New Jersey
ACCUTEST
LABORATORIES

09/18/14

Technical Report for

Langan Engineering & Environmental

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

365 Bond Street, 100287501

Accutest Job Number: JB67744

Sampling Dates: 05/22/14 - 05/23/14

Report to:

Langan Engineering & Environmental

ldeckard@langan.com

ATTN: Lindsay Deckard

Total number of pages in report: **1840**

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Nancy F. Cole

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

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Sample Summary

Langan Engineering & Environmental

Job No: JB67744

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB67744-1	05/22/14	09:10	CM	05/23/14	SO	Soil	272-PE-54
JB67744-2	05/22/14	09:15	CM	05/23/14	SO	Soil	273-PE-51
JB67744-3	05/22/14	00:00	CM	05/23/14	SO	Soil	274-DUP-2
JB67744-4	05/22/14	09:40	CM	05/23/14	SO	Soil	275-PE-55
JB67744-5	05/22/14	12:20	CM	05/23/14	SO	Soil	276-DEC-1
JB67744-6	05/22/14	14:00	CM	05/23/14	AQ	Field Blank Soil	277-FB-4
JB67744-7	05/23/14	15:20	CM	05/23/14	AQ	Trip Blank Soil	278-TB-4
JB67744-8	05/23/14	08:00	CM	05/23/14	SO	Soil	279-PE-47
JB67744-9	05/23/14	08:30	CM	05/23/14	SO	Soil	280-PE-48
JB67744-10	05/23/14	14:45	CM	05/23/14	SO	Soil	285-PE-46
JB67744-11	05/23/14	15:20	CM	05/23/14	AQ	Field Blank Soil	286-FB-5
JB67744-12	05/23/14	09:55	CM	05/23/14	SO	Soil	281-DEC-2
JB67744-13	05/23/14	11:45	CM	05/23/14	SO	Soil	282-PE-45

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

Sample Summary
(continued)

Langan Engineering & Environmental

Job No: JB67744

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB67744-14	05/23/14	12:30	CM	05/23/14	SO	Soil	283-PE-49
JB67744-15	05/23/14	12:40	CM	05/23/14	SO	Soil	284-PE-56

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB67744
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	6/6/2014 3:24:03 PM

On 05/23/2014, 12 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB67744 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:** V1C5741

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67687-3MS, JB67687-3MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** V3V477

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB67744-2MS, JB67744-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for 2-Butanone (MEK) are outside control limits for sample JB67744-3DUP. High RPD due to possible sample analyzed from different vials.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75133

- All samples were extracted within the recommended method holding time.
- Sample(s) JB67712-1MS, JB67712-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP75114

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67744-1MS, JB67744-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP75136

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67751-3MS, JB67751-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylnaphthalene, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(g,h,i)perylene, bis(2-Chloroethoxy)methane, Caprolactam, Carbazole, Dibenzo(a,h)anthracene, Dibenzofuran, Fluoranthene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Naphthalene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylnaphthalene, 2-Nitrophenol, 3-Nitroaniline, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, Acenaphthene, Acenaphthylene, Carbazole, Dibenzo(a,h)anthracene, Dibenzofuran, Dimethyl phthalate, Fluoranthene, Hexachlorobenzene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, N-Nitroso-di-n-propylamine, Naphthalene, Phenanthrene, 4,6-Dinitro-o-cresol, 4-Nitrophenol, Atrazine are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Anthracene, Chrysene, Fluorene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MS/MSD for 4,6-Dinitro-o-cresol, 4-Nitrophenol, Atrazine, Benzo(a)pyrene, Caprolactam are outside control limits. Probable cause due to sample homogeneity.
- OP75136-MS for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP79733

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

Matrix: SO **Batch ID:** MP79752

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67702-1AMS, JB67702-1AMSD, JB67702-1ASDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Calcium, Magnesium, Manganese, Zinc are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Calcium, Iron, Magnesium, Manganese, Zinc are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Cadmium, Selenium, Thallium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP79837

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67938-1MSD, JB67938-1PS, JB67938-1MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix: SO **Batch ID:** MP79882

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68163-10MS, JB68163-10MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** GN5466

- 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: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB67744-1	**272-PE-54**					
Acetone		0.0999	0.017	0.0077	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0150 J	0.017	0.0075	mg/kg	SW846 8260C
Carbon disulfide		0.00082 J	0.0085	0.00024	mg/kg	SW846 8260C
Methyl Tert Butyl Ether		0.0035	0.0017	0.00058	mg/kg	SW846 8260C
3&4-Methylphenol		0.112	0.11	0.069	mg/kg	SW846 8270D
Acenaphthene		0.228	0.054	0.016	mg/kg	SW846 8270D
Acenaphthylene		0.0222 J	0.054	0.017	mg/kg	SW846 8270D
Anthracene		0.356	0.054	0.019	mg/kg	SW846 8270D
Benzo(a)anthracene		0.393	0.054	0.018	mg/kg	SW846 8270D
Benzo(a)pyrene		0.345	0.054	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.336	0.054	0.018	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.149	0.054	0.020	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.113	0.054	0.020	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0527 J	0.11	0.0063	mg/kg	SW846 8270D
Carbazole		0.101 J	0.11	0.025	mg/kg	SW846 8270D
Chrysene		0.361	0.054	0.018	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0519 J	0.054	0.019	mg/kg	SW846 8270D
Dibenzofuran		0.143	0.11	0.016	mg/kg	SW846 8270D
Di-n-octyl phthalate		0.189	0.11	0.027	mg/kg	SW846 8270D
Fluoranthene		0.690	0.054	0.024	mg/kg	SW846 8270D
Fluorene		0.273	0.054	0.018	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.122	0.054	0.019	mg/kg	SW846 8270D
2-Methylnaphthalene		0.231	0.11	0.030	mg/kg	SW846 8270D
Naphthalene		0.417	0.054	0.015	mg/kg	SW846 8270D
Phenanthrene		0.930	0.054	0.025	mg/kg	SW846 8270D
Pyrene		0.754	0.054	0.021	mg/kg	SW846 8270D
Aluminum		22600	50	1.3	mg/kg	SW846 6010C
Antimony		0.76 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		13.1	2.0	0.29	mg/kg	SW846 6010C
Barium		72.9	20	0.080	mg/kg	SW846 6010C
Beryllium		1.2	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.37 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		2810	500	3.0	mg/kg	SW846 6010C
Chromium		38.2	1.0	0.070	mg/kg	SW846 6010C
Cobalt		12.1	5.0	0.060	mg/kg	SW846 6010C
Copper		33.6	2.5	0.15	mg/kg	SW846 6010C
Iron		34100	50	0.96	mg/kg	SW846 6010C
Lead		104	2.0	0.21	mg/kg	SW846 6010C
Magnesium		7760	500	3.4	mg/kg	SW846 6010C
Manganese		333	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.32	0.051	0.011	mg/kg	SW846 7471B
Nickel		41.9	4.0	0.10	mg/kg	SW846 6010C
Potassium		4300	1000	4.0	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Selenium		0.99 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.92	0.50	0.14	mg/kg	SW846 6010C
Sodium		1890	1000	1.9	mg/kg	SW846 6010C
Vanadium		44.0	5.0	0.090	mg/kg	SW846 6010C
Zinc		95.8	2.0	0.38	mg/kg	SW846 6010C
JB67744-2	**273-PE-51**					
Acetone		0.0464	0.019	0.0085	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0082 J	0.019	0.0082	mg/kg	SW846 8260C
Carbon disulfide		0.0023 J	0.0093	0.00026	mg/kg	SW846 8260C
Methyl Tert Butyl Ether		0.0013 J	0.0019	0.00064	mg/kg	SW846 8260C
Toluene		0.00032 J	0.0019	0.00026	mg/kg	SW846 8260C
Acenaphthene		0.252	0.052	0.015	mg/kg	SW846 8270D
Anthracene		0.142	0.052	0.018	mg/kg	SW846 8270D
Benzo(a)anthracene		0.147	0.052	0.017	mg/kg	SW846 8270D
Benzo(a)pyrene		0.144	0.052	0.016	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.156	0.052	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0733	0.052	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0526	0.052	0.019	mg/kg	SW846 8270D
Chrysene		0.139	0.052	0.017	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0208 J	0.052	0.018	mg/kg	SW846 8270D
Dibenzofuran		0.0437 J	0.10	0.015	mg/kg	SW846 8270D
Di-n-octyl phthalate		0.187	0.10	0.025	mg/kg	SW846 8270D
Fluoranthene		0.407	0.052	0.023	mg/kg	SW846 8270D
Fluorene		0.193	0.052	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0639	0.052	0.018	mg/kg	SW846 8270D
Naphthalene		0.0311 J	0.052	0.014	mg/kg	SW846 8270D
Phenanthrene		0.552	0.052	0.024	mg/kg	SW846 8270D
Pyrene		0.370	0.052	0.020	mg/kg	SW846 8270D
Aluminum		16200	49	1.3	mg/kg	SW846 6010C
Antimony		0.87 B	1.9	0.26	mg/kg	SW846 6010C
Arsenic		12.6	1.9	0.28	mg/kg	SW846 6010C
Barium		50.1	19	0.078	mg/kg	SW846 6010C
Beryllium		0.88	0.19	0.019	mg/kg	SW846 6010C
Cadmium		0.30 B	0.49	0.049	mg/kg	SW846 6010C
Calcium		3380	490	2.9	mg/kg	SW846 6010C
Chromium		29.8	0.97	0.068	mg/kg	SW846 6010C
Cobalt		9.7	4.9	0.058	mg/kg	SW846 6010C
Copper		14.7	2.4	0.15	mg/kg	SW846 6010C
Iron		31600	49	0.93	mg/kg	SW846 6010C
Lead		23.7	1.9	0.20	mg/kg	SW846 6010C
Magnesium		5820	490	3.3	mg/kg	SW846 6010C
Manganese		327	1.5	0.058	mg/kg	SW846 6010C
Mercury		0.11	0.052	0.012	mg/kg	SW846 7471B

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		27.1	3.9	0.097	mg/kg	SW846 6010C
Potassium		3330	970	3.9	mg/kg	SW846 6010C
Selenium		0.91 B	1.9	0.32	mg/kg	SW846 6010C
Silver		0.94	0.49	0.14	mg/kg	SW846 6010C
Sodium		557 B	970	1.8	mg/kg	SW846 6010C
Vanadium		32.7	4.9	0.087	mg/kg	SW846 6010C
Zinc		75.2	1.9	0.37	mg/kg	SW846 6010C
JB67744-3	**274-DUP-2**					
Acetone		0.0765	0.017	0.0077	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0141 J	0.017	0.0074	mg/kg	SW846 8260C
Carbon disulfide		0.0012 J	0.0084	0.00024	mg/kg	SW846 8260C
Methyl Tert Butyl Ether		0.0037	0.0017	0.00058	mg/kg	SW846 8260C
3&4-Methylphenol		0.0833 J	0.10	0.066	mg/kg	SW846 8270D
Acenaphthene		0.134	0.052	0.015	mg/kg	SW846 8270D
Acenaphthylene		0.0358 J	0.052	0.017	mg/kg	SW846 8270D
Anthracene		0.142	0.052	0.018	mg/kg	SW846 8270D
Benzo(a)anthracene		0.145	0.052	0.017	mg/kg	SW846 8270D
Benzo(a)pyrene		0.131	0.052	0.016	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.144	0.052	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0680	0.052	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0517 J	0.052	0.020	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0329 J	0.10	0.0061	mg/kg	SW846 8270D
Chrysene		0.136	0.052	0.018	mg/kg	SW846 8270D
Dibenzofuran		0.0892 J	0.10	0.016	mg/kg	SW846 8270D
Fluoranthene		0.347	0.052	0.023	mg/kg	SW846 8270D
Fluorene		0.123	0.052	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0537	0.052	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0786 J	0.10	0.029	mg/kg	SW846 8270D
Naphthalene		0.219	0.052	0.014	mg/kg	SW846 8270D
Phenanthrene		0.265	0.052	0.024	mg/kg	SW846 8270D
Pyrene		0.335	0.052	0.020	mg/kg	SW846 8270D
Aluminum		23500	49	1.3	mg/kg	SW846 6010C
Antimony		0.98 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		12.8	2.0	0.29	mg/kg	SW846 6010C
Barium		89.5	20	0.079	mg/kg	SW846 6010C
Beryllium		1.3	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.35 B	0.49	0.049	mg/kg	SW846 6010C
Calcium		2850	490	3.0	mg/kg	SW846 6010C
Chromium		39.3	0.99	0.069	mg/kg	SW846 6010C
Cobalt		12.4	4.9	0.059	mg/kg	SW846 6010C
Copper		43.0	2.5	0.15	mg/kg	SW846 6010C
Iron		33800	49	0.95	mg/kg	SW846 6010C
Lead		192	2.0	0.21	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		7920	490	3.3	mg/kg	SW846 6010C
Manganese		322	1.5	0.059	mg/kg	SW846 6010C
Mercury		0.41	0.051	0.011	mg/kg	SW846 7471B
Nickel		43.8	3.9	0.099	mg/kg	SW846 6010C
Potassium		4460	990	3.9	mg/kg	SW846 6010C
Selenium		1.2 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.85	0.49	0.14	mg/kg	SW846 6010C
Sodium		2010	990	1.9	mg/kg	SW846 6010C
Vanadium		46.0	4.9	0.089	mg/kg	SW846 6010C
Zinc		113	2.0	0.37	mg/kg	SW846 6010C
JB67744-4	**275-PE-55**					
Acetone		0.0439	0.012	0.0056	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0072 J	0.012	0.0054	mg/kg	SW846 8260C
Carbon disulfide		0.0015 J	0.0062	0.00017	mg/kg	SW846 8260C
Methyl Tert Butyl Ether		0.0051	0.0012	0.00042	mg/kg	SW846 8260C
Acenaphthene		0.125	0.043	0.013	mg/kg	SW846 8270D
Anthracene		0.104	0.043	0.015	mg/kg	SW846 8270D
Benzo(a)anthracene		0.163	0.043	0.014	mg/kg	SW846 8270D
Benzo(a)pyrene		0.175	0.043	0.013	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.179	0.043	0.014	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0890	0.043	0.016	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0602	0.043	0.016	mg/kg	SW846 8270D
Chrysene		0.151	0.043	0.015	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0230 J	0.043	0.015	mg/kg	SW846 8270D
Dibenzofuran		0.0312 J	0.087	0.013	mg/kg	SW846 8270D
Fluoranthene		0.404	0.043	0.019	mg/kg	SW846 8270D
Fluorene		0.0914	0.043	0.014	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0770	0.043	0.015	mg/kg	SW846 8270D
Naphthalene		0.0250 J	0.043	0.012	mg/kg	SW846 8270D
Phenanthrene		0.241	0.043	0.020	mg/kg	SW846 8270D
Pyrene		0.351	0.043	0.017	mg/kg	SW846 8270D
Aluminum		11100	51	1.3	mg/kg	SW846 6010C
Antimony		0.58 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		7.3	2.0	0.29	mg/kg	SW846 6010C
Barium		47.4	20	0.081	mg/kg	SW846 6010C
Beryllium		0.58	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.19 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		54200	510	3.1	mg/kg	SW846 6010C
Chromium		19.9	1.0	0.071	mg/kg	SW846 6010C
Cobalt		6.1	5.1	0.061	mg/kg	SW846 6010C
Copper		9.9	2.5	0.15	mg/kg	SW846 6010C
Iron		19500	51	0.98	mg/kg	SW846 6010C
Lead		21.0	2.0	0.21	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		3840	510	3.4	mg/kg	SW846 6010C
Manganese		233	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.29	0.043	0.0098	mg/kg	SW846 7471B
Nickel		18.5	4.1	0.10	mg/kg	SW846 6010C
Potassium		2250	1000	4.1	mg/kg	SW846 6010C
Selenium		2.8	2.0	0.34	mg/kg	SW846 6010C
Silver		0.83	0.51	0.14	mg/kg	SW846 6010C
Sodium		1120	1000	1.9	mg/kg	SW846 6010C
Vanadium		22.9	5.1	0.092	mg/kg	SW846 6010C
Zinc		43.9	2.0	0.39	mg/kg	SW846 6010C
JB67744-5	**276-DEC-1**					
Acetone		0.0667	0.018	0.0081	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0079 J	0.018	0.0078	mg/kg	SW846 8260C
Carbon disulfide		0.00073 J	0.0089	0.00025	mg/kg	SW846 8260C
3&4-Methylphenol		4.34	0.093	0.059	mg/kg	SW846 8270D
Phenol		0.0820 J	0.093	0.049	mg/kg	SW846 8270D
Acenaphthene		0.116	0.047	0.013	mg/kg	SW846 8270D
Acenaphthylene		0.0585	0.047	0.015	mg/kg	SW846 8270D
Anthracene		0.182	0.047	0.016	mg/kg	SW846 8270D
Benzo(a)anthracene		0.189	0.047	0.015	mg/kg	SW846 8270D
Benzo(a)pyrene		0.141	0.047	0.014	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.211	0.047	0.016	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0721	0.047	0.017	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0548	0.047	0.017	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0353 J	0.093	0.0054	mg/kg	SW846 8270D
Carbazole		0.0628 J	0.093	0.022	mg/kg	SW846 8270D
Chrysene		0.209	0.047	0.016	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0229 J	0.047	0.016	mg/kg	SW846 8270D
Dibenzofuran		0.0845 J	0.093	0.014	mg/kg	SW846 8270D
Di-n-octyl phthalate		0.126	0.093	0.023	mg/kg	SW846 8270D
Fluoranthene		0.524	0.047	0.021	mg/kg	SW846 8270D
Fluorene		0.157	0.047	0.015	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0617	0.047	0.016	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0930	0.093	0.026	mg/kg	SW846 8270D
Naphthalene		0.217	0.047	0.013	mg/kg	SW846 8270D
Phenanthrene		0.665	0.047	0.021	mg/kg	SW846 8270D
Pyrene		0.453	0.047	0.018	mg/kg	SW846 8270D
Aluminum		5160	50	1.3	mg/kg	SW846 6010C
Antimony		0.38 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		13.1	2.0	0.29	mg/kg	SW846 6010C
Barium		139	20	0.080	mg/kg	SW846 6010C
Beryllium		0.36	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.24 B	0.50	0.050	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		9140	500	3.0	mg/kg	SW846 6010C
Chromium		10.0	1.0	0.070	mg/kg	SW846 6010C
Cobalt		5.9	5.0	0.060	mg/kg	SW846 6010C
Copper		27.1	2.5	0.15	mg/kg	SW846 6010C
Iron		12300	50	0.96	mg/kg	SW846 6010C
Lead		176	2.0	0.21	mg/kg	SW846 6010C
Magnesium		1470	500	3.4	mg/kg	SW846 6010C
Manganese		138	1.5	0.060	mg/kg	SW846 6010C
Mercury		1.2	0.049	0.011	mg/kg	SW846 7471B
Nickel		17.7	4.0	0.10	mg/kg	SW846 6010C
Potassium		826 B	1000	4.0	mg/kg	SW846 6010C
Selenium		5.4	2.0	0.33	mg/kg	SW846 6010C
Silver		0.79	0.50	0.14	mg/kg	SW846 6010C
Sodium		268 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.42 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		18.8	5.0	0.090	mg/kg	SW846 6010C
Zinc		120	2.0	0.38	mg/kg	SW846 6010C
JB67744-6	**277-FB-4**					
Aluminum		11.7 B	200	11	ug/l	SW846 6010C
Calcium		153 B	5000	19	ug/l	SW846 6010C
Sodium		149 B	10000	19	ug/l	SW846 6010C
Zinc		12.7 B	20	7.6	ug/l	SW846 6010C
JB67744-7	**278-TB-4**					
No hits reported in this sample.						
JB67744-8	**279-PE-47**					
Acetone		0.0327	0.018	0.0083	mg/kg	SW846 8260C
Carbon disulfide		0.0057 J	0.0091	0.00026	mg/kg	SW846 8260C
Methylene chloride		0.0031 J	0.0091	0.0031	mg/kg	SW846 8260C
Benzo(b)fluoranthene		0.0227 J	0.053	0.018	mg/kg	SW846 8270D
Fluoranthene		0.0467 J	0.053	0.023	mg/kg	SW846 8270D
Phenanthrene		0.0331 J	0.053	0.024	mg/kg	SW846 8270D
Pyrene		0.0402 J	0.053	0.020	mg/kg	SW846 8270D
Aluminum		19200	51	1.4	mg/kg	SW846 6010C
Antimony		0.88 B	2.0	0.28	mg/kg	SW846 6010C
Arsenic		10.9	2.0	0.30	mg/kg	SW846 6010C
Barium		56.0	20	0.082	mg/kg	SW846 6010C
Beryllium		0.99	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.20 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		2710	510	3.1	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		33.8	1.0	0.072	mg/kg	SW846 6010C
Cobalt		9.8	5.1	0.061	mg/kg	SW846 6010C
Copper		19.6	2.6	0.15	mg/kg	SW846 6010C
Iron		30100	51	0.98	mg/kg	SW846 6010C
Lead		37.3	2.0	0.21	mg/kg	SW846 6010C
Magnesium		6740	510	3.5	mg/kg	SW846 6010C
Manganese		288	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.26	0.056	0.013	mg/kg	SW846 7471B
Nickel		33.5	4.1	0.10	mg/kg	SW846 6010C
Potassium		4070	1000	4.1	mg/kg	SW846 6010C
Selenium		0.68 B	2.0	0.34	mg/kg	SW846 6010C
Silver		0.79	0.51	0.14	mg/kg	SW846 6010C
Sodium		931 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.62 B	1.0	0.42	mg/kg	SW846 6010C
Vanadium		41.3	5.1	0.092	mg/kg	SW846 6010C
Zinc		70.5	2.0	0.39	mg/kg	SW846 6010C
JB67744-9	**280-PE-48**					
Acetone		0.118	0.059	0.027	mg/kg	SW846 8260C
Carbon disulfide		0.0125 J	0.030	0.00084	mg/kg	SW846 8260C
Di-n-octyl phthalate		0.247	0.16	0.039	mg/kg	SW846 8270D
Fluoranthene		0.0423 J	0.079	0.035	mg/kg	SW846 8270D
Pyrene		0.0367 J	0.079	0.030	mg/kg	SW846 8270D
Aluminum		25000	51	1.3	mg/kg	SW846 6010C
Antimony		1.2 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		18.8	2.0	0.29	mg/kg	SW846 6010C
Barium		91.4	20	0.081	mg/kg	SW846 6010C
Beryllium		1.4	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.33 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		4090	510	3.1	mg/kg	SW846 6010C
Chromium		45.6	1.0	0.071	mg/kg	SW846 6010C
Cobalt		13.9	5.1	0.061	mg/kg	SW846 6010C
Copper		31.2	2.5	0.15	mg/kg	SW846 6010C
Iron		39500	51	0.97	mg/kg	SW846 6010C
Lead		75.6	2.0	0.21	mg/kg	SW846 6010C
Magnesium		9320	510	3.4	mg/kg	SW846 6010C
Manganese		357	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.58	0.076	0.017	mg/kg	SW846 7471B
Nickel		48.5	4.1	0.10	mg/kg	SW846 6010C
Potassium		5330	1000	4.0	mg/kg	SW846 6010C
Selenium		1.3 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.85	0.51	0.14	mg/kg	SW846 6010C
Sodium		1290	1000	1.9	mg/kg	SW846 6010C
Vanadium		55.7	5.1	0.091	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		103	2.0	0.39	mg/kg	SW846 6010C
JB67744-10	**285-PE-46**					
Acetone		0.0656	0.016	0.0074	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0124 J	0.016	0.0071	mg/kg	SW846 8260C
Methylene chloride		0.0053 J	0.0081	0.0027	mg/kg	SW846 8260C
Acenaphthene		0.0210 J	0.051	0.015	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0497 J	0.051	0.017	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0535	0.051	0.016	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0635	0.051	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0418 J	0.051	0.019	mg/kg	SW846 8270D
Chrysene		0.0775	0.051	0.017	mg/kg	SW846 8270D
Fluoranthene		0.0953	0.051	0.022	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0301 J	0.051	0.018	mg/kg	SW846 8270D
Naphthalene		0.0300 J	0.051	0.014	mg/kg	SW846 8270D
Phenanthrene		0.0645	0.051	0.023	mg/kg	SW846 8270D
Pyrene		0.123	0.051	0.020	mg/kg	SW846 8270D
Aluminum		17500	51	1.3	mg/kg	SW846 6010C
Antimony		0.60 B	2.0	0.28	mg/kg	SW846 6010C
Arsenic		9.0	2.0	0.30	mg/kg	SW846 6010C
Barium		110	20	0.081	mg/kg	SW846 6010C
Beryllium		0.78	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.14 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		3630	510	3.1	mg/kg	SW846 6010C
Chromium		33.6	1.0	0.071	mg/kg	SW846 6010C
Cobalt		7.3	5.1	0.061	mg/kg	SW846 6010C
Copper		21.4	2.5	0.15	mg/kg	SW846 6010C
Iron		29700	51	0.98	mg/kg	SW846 6010C
Lead		51.7	2.0	0.21	mg/kg	SW846 6010C
Magnesium		6010	510	3.4	mg/kg	SW846 6010C
Manganese		251	1.5	0.061	mg/kg	SW846 6010C
Mercury		0.22	0.052	0.012	mg/kg	SW846 7471B
Nickel		27.0	4.1	0.10	mg/kg	SW846 6010C
Potassium		3660	1000	4.1	mg/kg	SW846 6010C
Selenium		1.0 B	2.0	0.34	mg/kg	SW846 6010C
Silver		0.88	0.51	0.14	mg/kg	SW846 6010C
Sodium		674 B	1000	1.9	mg/kg	SW846 6010C
Vanadium		41.5	5.1	0.092	mg/kg	SW846 6010C
Zinc		65.2	2.0	0.39	mg/kg	SW846 6010C
JB67744-11	**286-FB-5**					
Calcium		30.2 B	5000	19	ug/l	SW846 6010C
Sodium		69.6 B	10000	19	ug/l	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		12.7 B	20	7.6	ug/l	SW846 6010C
JB67744-12	**281-DEC-2**					
Acetone		0.0246	0.012	0.0053	mg/kg	SW846 8260C
Carbon disulfide		0.0018 J	0.0059	0.00017	mg/kg	SW846 8260C
Methylcyclohexane		0.0013 J	0.0059	0.00019	mg/kg	SW846 8260C
Acenaphthene		0.0405	0.037	0.011	mg/kg	SW846 8270D
Anthracene		0.0621	0.037	0.013	mg/kg	SW846 8270D
Benzo(a)anthracene		0.142	0.037	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.128	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.141	0.037	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0878	0.037	0.014	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0511	0.037	0.014	mg/kg	SW846 8270D
Chrysene		0.144	0.037	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0209 J	0.037	0.013	mg/kg	SW846 8270D
Fluoranthene		0.288	0.037	0.016	mg/kg	SW846 8270D
Fluorene		0.0427	0.037	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0838	0.037	0.013	mg/kg	SW846 8270D
Phenanthrene		0.181	0.037	0.017	mg/kg	SW846 8270D
Pyrene		0.311	0.037	0.014	mg/kg	SW846 8270D
Aluminum		5440	52	1.4	mg/kg	SW846 6010C
Antimony		0.37 B	2.1	0.28	mg/kg	SW846 6010C
Arsenic		9.5	2.1	0.30	mg/kg	SW846 6010C
Barium		125	21	0.082	mg/kg	SW846 6010C
Beryllium		0.49	0.21	0.021	mg/kg	SW846 6010C
Cadmium		0.23 B	0.52	0.052	mg/kg	SW846 6010C
Calcium		19500	520	3.1	mg/kg	SW846 6010C
Chromium		11.0	1.0	0.072	mg/kg	SW846 6010C
Cobalt		7.8	5.2	0.062	mg/kg	SW846 6010C
Copper		44.6	2.6	0.15	mg/kg	SW846 6010C
Iron		9720	52	0.99	mg/kg	SW846 6010C
Lead		177	2.1	0.22	mg/kg	SW846 6010C
Magnesium		2810	520	3.5	mg/kg	SW846 6010C
Manganese		142	1.5	0.062	mg/kg	SW846 6010C
Mercury		0.33	0.041	0.0093	mg/kg	SW846 7471B
Nickel		15.8	4.1	0.10	mg/kg	SW846 6010C
Potassium		761 B	1000	4.1	mg/kg	SW846 6010C
Selenium		2.2	2.1	0.34	mg/kg	SW846 6010C
Silver		0.55	0.52	0.14	mg/kg	SW846 6010C
Sodium		467 B	1000	1.9	mg/kg	SW846 6010C
Vanadium		17.9	5.2	0.093	mg/kg	SW846 6010C
Zinc		86.9	2.1	0.39	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB67744-13	**282-PE-45**					
Acetone		0.151	0.063	0.029	mg/kg	SW846 8260C
Carbon disulfide		0.0566	0.032	0.00089	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0595 J	0.12	0.038	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0478 J	0.12	0.035	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0519 J	0.12	0.039	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0499 J	0.12	0.043	mg/kg	SW846 8270D
Chrysene		0.0614 J	0.12	0.039	mg/kg	SW846 8270D
Aluminum		19200	50	1.3	mg/kg	SW846 6010C
Antimony		0.81 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		7.0	2.0	0.29	mg/kg	SW846 6010C
Barium		43.0	20	0.080	mg/kg	SW846 6010C
Beryllium		1.0	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.32 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		4240	500	3.0	mg/kg	SW846 6010C
Chromium		29.9	1.0	0.070	mg/kg	SW846 6010C
Cobalt		10.0	5.0	0.060	mg/kg	SW846 6010C
Copper		16.0	2.5	0.15	mg/kg	SW846 6010C
Iron		26300	50	0.96	mg/kg	SW846 6010C
Lead		25.9	2.0	0.21	mg/kg	SW846 6010C
Magnesium		6480	500	3.4	mg/kg	SW846 6010C
Manganese		259	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.025 B	0.11	0.025	mg/kg	SW846 7471B
Nickel		27.6	4.0	0.10	mg/kg	SW846 6010C
Potassium		4010	1000	4.0	mg/kg	SW846 6010C
Selenium		1.2 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.77	0.50	0.14	mg/kg	SW846 6010C
Sodium		2330	1000	1.9	mg/kg	SW846 6010C
Thallium		0.79 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		51.2	5.0	0.090	mg/kg	SW846 6010C
Zinc		64.3	2.0	0.38	mg/kg	SW846 6010C
JB67744-14	**283-PE-49**					
Acetone		0.203	0.020	0.0090	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0538	0.020	0.0087	mg/kg	SW846 8260C
Carbon disulfide		0.0093 J	0.0099	0.00028	mg/kg	SW846 8260C
Methylcyclohexane		0.0022 J	0.0099	0.00032	mg/kg	SW846 8260C
Methylene chloride		0.0035 J	0.0099	0.0033	mg/kg	SW846 8260C
Toluene		0.00061 J	0.0020	0.00028	mg/kg	SW846 8260C
Fluoranthene		0.0335 J	0.054	0.024	mg/kg	SW846 8270D
Pyrene		0.0340 J	0.054	0.021	mg/kg	SW846 8270D
Aluminum		17600	50	1.3	mg/kg	SW846 6010C
Antimony		0.53 B	2.0	0.27	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Arsenic		12.7	2.0	0.29	mg/kg	SW846 6010C
Barium		60.0	20	0.080	mg/kg	SW846 6010C
Beryllium		0.99	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.30 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		3270	500	3.0	mg/kg	SW846 6010C
Chromium		28.8	1.0	0.070	mg/kg	SW846 6010C
Cobalt		12.0	5.0	0.060	mg/kg	SW846 6010C
Copper		16.7	2.5	0.15	mg/kg	SW846 6010C
Iron		26000	50	0.96	mg/kg	SW846 6010C
Lead		40.5	2.0	0.21	mg/kg	SW846 6010C
Magnesium		5390	500	3.4	mg/kg	SW846 6010C
Manganese		283	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.083	0.052	0.012	mg/kg	SW846 7471B
Nickel		31.3	4.0	0.10	mg/kg	SW846 6010C
Potassium		3330	1000	4.0	mg/kg	SW846 6010C
Selenium		0.86 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.63	0.50	0.14	mg/kg	SW846 6010C
Sodium		744 B	1000	1.9	mg/kg	SW846 6010C
Vanadium		42.3	5.0	0.090	mg/kg	SW846 6010C
Zinc		63.4	2.0	0.38	mg/kg	SW846 6010C
JB67744-15	**284-PE-56**					
Acetone		0.176	0.016	0.0074	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0444	0.016	0.0072	mg/kg	SW846 8260C
Carbon disulfide		0.0078 J	0.0081	0.00023	mg/kg	SW846 8260C
Methylcyclohexane		0.0011 J	0.0081	0.00027	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0273 J	0.055	0.018	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0230 J	0.055	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0276 J	0.055	0.018	mg/kg	SW846 8270D
Chrysene		0.0313 J	0.055	0.018	mg/kg	SW846 8270D
Fluoranthene		0.0610	0.055	0.024	mg/kg	SW846 8270D
Phenanthrene		0.0410 J	0.055	0.025	mg/kg	SW846 8270D
Pyrene		0.0557	0.055	0.021	mg/kg	SW846 8270D
Aluminum		15700	50	1.3	mg/kg	SW846 6010C
Antimony		0.54 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic		8.5	2.0	0.29	mg/kg	SW846 6010C
Barium		64.1	20	0.080	mg/kg	SW846 6010C
Beryllium		0.79	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.14 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		3370	500	3.0	mg/kg	SW846 6010C
Chromium		32.1	1.0	0.070	mg/kg	SW846 6010C
Cobalt		7.8	5.0	0.060	mg/kg	SW846 6010C
Copper		21.1	2.5	0.15	mg/kg	SW846 6010C
Iron		24500	50	0.96	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67744
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/22/14 thru 05/23/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		46.0	2.0	0.21	mg/kg	SW846 6010C
Magnesium		5370	500	3.4	mg/kg	SW846 6010C
Manganese		223	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.17	0.055	0.012	mg/kg	SW846 7471B
Nickel		30.5	4.0	0.10	mg/kg	SW846 6010C
Potassium		3320	1000	4.0	mg/kg	SW846 6010C
Selenium		0.61 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.73	0.50	0.14	mg/kg	SW846 6010C
Sodium		775 B	1000	1.9	mg/kg	SW846 6010C
Vanadium		38.4	5.0	0.090	mg/kg	SW846 6010C
Zinc		59.8	2.0	0.38	mg/kg	SW846 6010C

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	272-PE-54		
Lab Sample ID:	JB67744-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	60.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11245.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0999	0.017	0.0077	mg/kg	
71-43-2	Benzene	ND	0.0017	0.00021	mg/kg	
74-97-5	Bromochloromethane	ND	0.0085	0.00088	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0085	0.00048	mg/kg	
75-25-2	Bromoform	ND	0.0085	0.00044	mg/kg	
74-83-9	Bromomethane	ND	0.0085	0.00082	mg/kg	
78-93-3	2-Butanone (MEK)	0.0150	0.017	0.0075	mg/kg	J
75-15-0	Carbon disulfide	0.00082	0.0085	0.00024	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0085	0.00043	mg/kg	
108-90-7	Chlorobenzene	ND	0.0085	0.00033	mg/kg	
75-00-3	Chloroethane	ND	0.0085	0.0017	mg/kg	
67-66-3	Chloroform	ND	0.0085	0.00043	mg/kg	
74-87-3	Chloromethane	ND	0.0085	0.00058	mg/kg	
110-82-7	Cyclohexane	ND	0.0085	0.00044	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.017	0.0023	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0085	0.00041	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0017	0.00093	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0085	0.00057	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0085	0.00037	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0085	0.00043	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0085	0.00060	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0085	0.00053	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0017	0.00054	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0085	0.00049	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0085	0.00035	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0085	0.00072	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0085	0.00074	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0085	0.00038	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0085	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0017	0.00030	mg/kg	
76-13-1	Freon 113	ND	0.0085	0.00074	mg/kg	
591-78-6	2-Hexanone	ND	0.0085	0.0030	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:	272-PE-54		
Lab Sample ID:	JB67744-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	60.2
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	0.0085	0.00025	mg/kg	
79-20-9	Methyl Acetate	ND	0.0085	0.0028	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0085	0.00028	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.0035	0.0017	0.00058	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0085	0.0022	mg/kg	
75-09-2	Methylene chloride	ND	0.0085	0.0029	mg/kg	
100-42-5	Styrene	ND	0.0085	0.00039	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0085	0.00058	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0085	0.00069	mg/kg	
108-88-3	Toluene	ND	0.0017	0.00024	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0085	0.00035	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0085	0.00031	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0085	0.00049	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0085	0.0014	mg/kg	
79-01-6	Trichloroethene	ND	0.0085	0.00059	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0085	0.00038	mg/kg	
75-01-4	Vinyl chloride	ND	0.0085	0.00058	mg/kg	
	m,p-Xylene	ND	0.0017	0.00082	mg/kg	
95-47-6	o-Xylene	ND	0.0017	0.00030	mg/kg	
1330-20-7	Xylene (total)	ND	0.0017	0.00030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		59-130%
17060-07-0	1,2-Dichloroethane-D4	106%		65-123%
2037-26-5	Toluene-D8	114%		77-125%
460-00-4	4-Bromofluorobenzene	119%		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:	272-PE-54		
Lab Sample ID:	JB67744-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	60.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63914.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 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	0.054	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.27	0.054	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.27	0.088	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.27	0.091	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.066	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.066	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.062	mg/kg	
	3&4-Methylphenol	0.112	0.11	0.069	mg/kg	
88-75-5	2-Nitrophenol	ND	0.27	0.058	mg/kg	
100-02-7	4-Nitrophenol	ND	0.54	0.092	mg/kg	
87-86-5	Pentachlorophenol	ND	0.54	0.093	mg/kg	
108-95-2	Phenol	ND	0.11	0.057	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.27	0.056	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.27	0.063	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.27	0.051	mg/kg	
83-32-9	Acenaphthene	0.228	0.054	0.016	mg/kg	
208-96-8	Acenaphthylene	0.0222	0.054	0.017	mg/kg	J
98-86-2	Acetophenone	ND	0.27	0.0096	mg/kg	
120-12-7	Anthracene	0.356	0.054	0.019	mg/kg	
1912-24-9	Atrazine	ND	0.11	0.011	mg/kg	
56-55-3	Benzo(a)anthracene	0.393	0.054	0.018	mg/kg	
50-32-8	Benzo(a)pyrene	0.345	0.054	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.336	0.054	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.149	0.054	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.113	0.054	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.11	0.020	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.11	0.032	mg/kg	
92-52-4	1,1'-Biphenyl	0.0527	0.11	0.0063	mg/kg	J
100-52-7	Benzaldehyde	ND	0.27	0.013	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.017	mg/kg	
106-47-8	4-Chloroaniline	ND	0.27	0.017	mg/kg	
86-74-8	Carbazole	0.101	0.11	0.025	mg/kg	J

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:	272-PE-54		
Lab Sample ID:	JB67744-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	60.2
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	0.361	0.054	0.018	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.11	0.022	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	0.054	0.024	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.054	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.11	0.014	mg/kg	
123-91-1	1,4-Dioxane	ND	0.054	0.035	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0519	0.054	0.019	mg/kg	J
132-64-9	Dibenzofuran	0.143	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	0.189	0.11	0.027	mg/kg	
84-66-2	Diethyl phthalate	ND	0.11	0.019	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.11	0.019	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.11	0.048	mg/kg	
206-44-0	Fluoranthene	0.690	0.054	0.024	mg/kg	
86-73-7	Fluorene	0.273	0.054	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.11	0.018	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.054	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.54	0.056	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	0.015	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.122	0.054	0.019	mg/kg	
78-59-1	Isophorone	ND	0.11	0.015	mg/kg	
91-57-6	2-Methylnaphthalene	0.231	0.11	0.030	mg/kg	
88-74-4	2-Nitroaniline	ND	0.27	0.024	mg/kg	
99-09-2	3-Nitroaniline	ND	0.27	0.022	mg/kg	
100-01-6	4-Nitroaniline	ND	0.27	0.021	mg/kg	
91-20-3	Naphthalene	0.417	0.054	0.015	mg/kg	
98-95-3	Nitrobenzene	ND	0.11	0.016	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	0.033	mg/kg	
85-01-8	Phenanthrene	0.930	0.054	0.025	mg/kg	
129-00-0	Pyrene	0.754	0.054	0.021	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.27	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		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:	272-PE-54		
Lab Sample ID:	JB67744-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	60.2
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	71%		15-110%
118-79-6	2,4,6-Tribromophenol	93%		20-123%
4165-60-0	Nitrobenzene-d5	74%		10-110%
321-60-8	2-Fluorobiphenyl	72%		17-110%
1718-51-0	Terphenyl-d14	76%		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: 272-PE-54
Lab Sample ID: JB67744-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/22/14
Date Received: 05/23/14
Percent Solids: 60.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	22600	50	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.76 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	13.1	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	72.9	20	0.080	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.2	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.37 B	0.50	0.050	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	2810	500	3.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	38.2	1.0	0.070	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	12.1	5.0	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	33.6	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	34100	50	0.96	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	104	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	7760	500	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	333	1.5	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.32	0.051	0.011	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	41.9	4.0	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	4300	1000	4.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.99 B	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.92	0.50	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	1890	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.41 U	1.0	0.41	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	44.0	5.0	0.090	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	95.8	2.0	0.38	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	273-PE-51		
Lab Sample ID:	JB67744-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	61.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11242.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0464	0.019	0.0085	mg/kg	
71-43-2	Benzene	ND	0.0019	0.00023	mg/kg	
74-97-5	Bromochloromethane	ND	0.0093	0.00097	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0093	0.00052	mg/kg	
75-25-2	Bromoform	ND	0.0093	0.00049	mg/kg	
74-83-9	Bromomethane	ND	0.0093	0.00090	mg/kg	
78-93-3	2-Butanone (MEK)	0.0082	0.019	0.0082	mg/kg	J
75-15-0	Carbon disulfide	0.0023	0.0093	0.00026	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0093	0.00047	mg/kg	
108-90-7	Chlorobenzene	ND	0.0093	0.00037	mg/kg	
75-00-3	Chloroethane	ND	0.0093	0.0019	mg/kg	
67-66-3	Chloroform	ND	0.0093	0.00047	mg/kg	
74-87-3	Chloromethane	ND	0.0093	0.00064	mg/kg	
110-82-7	Cyclohexane	ND	0.0093	0.00048	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.019	0.0025	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0093	0.00045	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0019	0.0010	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0093	0.00063	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0093	0.00041	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0093	0.00047	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0093	0.00066	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0093	0.00058	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0019	0.00060	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0093	0.00053	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0093	0.00039	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0093	0.00079	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0093	0.00081	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0093	0.00042	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0093	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.0019	0.00033	mg/kg	
76-13-1	Freon 113	ND	0.0093	0.00081	mg/kg	
591-78-6	2-Hexanone	ND	0.0093	0.0033	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:	273-PE-51		
Lab Sample ID:	JB67744-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	61.0
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	0.0093	0.00027	mg/kg	
79-20-9	Methyl Acetate	ND	0.0093	0.0031	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0093	0.00031	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.0013	0.0019	0.00064	mg/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0093	0.0025	mg/kg	
75-09-2	Methylene chloride	ND	0.0093	0.0032	mg/kg	
100-42-5	Styrene	ND	0.0093	0.00043	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0093	0.00064	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0093	0.00076	mg/kg	
108-88-3	Toluene	0.00032	0.0019	0.00026	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0093	0.00039	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0093	0.00034	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0093	0.00053	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0093	0.0015	mg/kg	
79-01-6	Trichloroethene	ND	0.0093	0.00065	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0093	0.00042	mg/kg	
75-01-4	Vinyl chloride	ND	0.0093	0.00064	mg/kg	
	m,p-Xylene	ND	0.0019	0.00090	mg/kg	
95-47-6	o-Xylene	ND	0.0019	0.00033	mg/kg	
1330-20-7	Xylene (total)	ND	0.0019	0.00033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		59-130%
17060-07-0	1,2-Dichloroethane-D4	103%		65-123%
2037-26-5	Toluene-D8	112%		77-125%
460-00-4	4-Bromofluorobenzene	114%		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 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	273-PE-51		
Lab Sample ID:	JB67744-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	61.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63915.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
Run #2							

	Initial Weight	Final Volume
Run #1	31.7 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	0.10	0.052	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.26	0.052	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.26	0.083	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.26	0.087	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.063	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.0	0.063	mg/kg	
95-48-7	2-Methylphenol	ND	0.10	0.059	mg/kg	
	3&4-Methylphenol	ND	0.10	0.066	mg/kg	
88-75-5	2-Nitrophenol	ND	0.26	0.055	mg/kg	
100-02-7	4-Nitrophenol	ND	0.52	0.087	mg/kg	
87-86-5	Pentachlorophenol	ND	0.52	0.088	mg/kg	
108-95-2	Phenol	ND	0.10	0.054	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.26	0.053	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.26	0.060	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.26	0.049	mg/kg	
83-32-9	Acenaphthene	0.252	0.052	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.052	0.017	mg/kg	
98-86-2	Acetophenone	ND	0.26	0.0091	mg/kg	
120-12-7	Anthracene	0.142	0.052	0.018	mg/kg	
1912-24-9	Atrazine	ND	0.10	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	0.147	0.052	0.017	mg/kg	
50-32-8	Benzo(a)pyrene	0.144	0.052	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.156	0.052	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0733	0.052	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0526	0.052	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.10	0.019	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.10	0.030	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.10	0.0060	mg/kg	
100-52-7	Benzaldehyde	ND	0.26	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.10	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.26	0.017	mg/kg	
86-74-8	Carbazole	ND	0.10	0.024	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:	273-PE-51		
Lab Sample ID:	JB67744-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	61.0
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	0.10	0.016	mg/kg	
218-01-9	Chrysene	0.139	0.052	0.017	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.10	0.021	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.10	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.10	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.10	0.016	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.052	0.023	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.052	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.10	0.013	mg/kg	
123-91-1	1,4-Dioxane	ND	0.052	0.034	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0208	0.052	0.018	mg/kg	J
132-64-9	Dibenzofuran	0.0437	0.10	0.015	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.10	0.011	mg/kg	
117-84-0	Di-n-octyl phthalate	0.187	0.10	0.025	mg/kg	
84-66-2	Diethyl phthalate	ND	0.10	0.018	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.10	0.018	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.10	0.046	mg/kg	
206-44-0	Fluoranthene	0.407	0.052	0.023	mg/kg	
86-73-7	Fluorene	0.193	0.052	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.10	0.017	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.052	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.52	0.053	mg/kg	
67-72-1	Hexachloroethane	ND	0.26	0.014	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0639	0.052	0.018	mg/kg	
78-59-1	Isophorone	ND	0.10	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.10	0.029	mg/kg	
88-74-4	2-Nitroaniline	ND	0.26	0.023	mg/kg	
99-09-2	3-Nitroaniline	ND	0.26	0.021	mg/kg	
100-01-6	4-Nitroaniline	ND	0.26	0.020	mg/kg	
91-20-3	Naphthalene	0.0311	0.052	0.014	mg/kg	J
98-95-3	Nitrobenzene	ND	0.10	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.10	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.26	0.031	mg/kg	
85-01-8	Phenanthrene	0.552	0.052	0.024	mg/kg	
129-00-0	Pyrene	0.370	0.052	0.020	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.26	0.016	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:	273-PE-51		
Lab Sample ID:	JB67744-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	61.0
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	96%		20-123%
4165-60-0	Nitrobenzene-d5	72%		10-110%
321-60-8	2-Fluorobiphenyl	71%		17-110%
1718-51-0	Terphenyl-d14	78%		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: 273-PE-51
Lab Sample ID: JB67744-2
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/22/14
Date Received: 05/23/14
Percent Solids: 61.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	16200	49	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.87 B	1.9	0.26	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	12.6	1.9	0.28	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	50.1	19	0.078	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.88	0.19	0.019	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.30 B	0.49	0.049	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	3380	490	2.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	29.8	0.97	0.068	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	9.7	4.9	0.058	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	14.7	2.4	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	31600	49	0.93	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	23.7	1.9	0.20	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	5820	490	3.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	327	1.5	0.058	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.11	0.052	0.012	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	27.1	3.9	0.097	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	3330	970	3.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.91 B	1.9	0.32	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.94	0.49	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	557 B	970	1.8	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.40 U	0.97	0.40	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	32.7	4.9	0.087	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	75.2	1.9	0.37	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	274-DUP-2		
Lab Sample ID:	JB67744-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	60.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11243.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0765	0.017	0.0077	mg/kg	
71-43-2	Benzene	ND	0.0017	0.00021	mg/kg	
74-97-5	Bromochloromethane	ND	0.0084	0.00088	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0084	0.00047	mg/kg	
75-25-2	Bromoform	ND	0.0084	0.00044	mg/kg	
74-83-9	Bromomethane	ND	0.0084	0.00081	mg/kg	
78-93-3	2-Butanone (MEK)	0.0141	0.017	0.0074	mg/kg	J
75-15-0	Carbon disulfide	0.0012	0.0084	0.00024	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0084	0.00042	mg/kg	
108-90-7	Chlorobenzene	ND	0.0084	0.00033	mg/kg	
75-00-3	Chloroethane	ND	0.0084	0.0017	mg/kg	
67-66-3	Chloroform	ND	0.0084	0.00043	mg/kg	
74-87-3	Chloromethane	ND	0.0084	0.00058	mg/kg	
110-82-7	Cyclohexane	ND	0.0084	0.00043	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.017	0.0022	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0084	0.00041	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0017	0.00093	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0084	0.00057	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0084	0.00037	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0084	0.00042	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0084	0.00060	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0084	0.00053	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0017	0.00054	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0084	0.00048	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0084	0.00035	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0084	0.00071	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0084	0.00074	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0084	0.00038	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0084	0.00046	mg/kg	
100-41-4	Ethylbenzene	ND	0.0017	0.00030	mg/kg	
76-13-1	Freon 113	ND	0.0084	0.00073	mg/kg	
591-78-6	2-Hexanone	ND	0.0084	0.0030	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:	274-DUP-2		
Lab Sample ID:	JB67744-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	60.4
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	0.0084	0.00025	mg/kg	
79-20-9	Methyl Acetate	ND	0.0084	0.0028	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0084	0.00028	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.0037	0.0017	0.00058	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0084	0.0022	mg/kg	
75-09-2	Methylene chloride	ND	0.0084	0.0029	mg/kg	
100-42-5	Styrene	ND	0.0084	0.00039	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0084	0.00058	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0084	0.00069	mg/kg	
108-88-3	Toluene	ND	0.0017	0.00024	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0084	0.00035	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0084	0.00031	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0084	0.00048	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0084	0.0014	mg/kg	
79-01-6	Trichloroethene	ND	0.0084	0.00059	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0084	0.00038	mg/kg	
75-01-4	Vinyl chloride	ND	0.0084	0.00058	mg/kg	
	m,p-Xylene	ND	0.0017	0.00082	mg/kg	
95-47-6	o-Xylene	ND	0.0017	0.00030	mg/kg	
1330-20-7	Xylene (total)	ND	0.0017	0.00030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		59-130%
17060-07-0	1,2-Dichloroethane-D4	107%		65-123%
2037-26-5	Toluene-D8	113%		77-125%
460-00-4	4-Bromofluorobenzene	116%		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:	274-DUP-2		
Lab Sample ID:	JB67744-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	60.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63916.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
Run #2							

	Initial Weight	Final Volume
Run #1	31.7 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	0.10	0.052	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.26	0.052	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.26	0.084	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.26	0.088	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.064	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.0	0.064	mg/kg	
95-48-7	2-Methylphenol	ND	0.10	0.060	mg/kg	
	3&4-Methylphenol	0.0833	0.10	0.066	mg/kg	J
88-75-5	2-Nitrophenol	ND	0.26	0.055	mg/kg	
100-02-7	4-Nitrophenol	ND	0.52	0.088	mg/kg	
87-86-5	Pentachlorophenol	ND	0.52	0.089	mg/kg	
108-95-2	Phenol	ND	0.10	0.055	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.26	0.054	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.26	0.061	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.26	0.049	mg/kg	
83-32-9	Acenaphthene	0.134	0.052	0.015	mg/kg	
208-96-8	Acenaphthylene	0.0358	0.052	0.017	mg/kg	J
98-86-2	Acetophenone	ND	0.26	0.0092	mg/kg	
120-12-7	Anthracene	0.142	0.052	0.018	mg/kg	
1912-24-9	Atrazine	ND	0.10	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	0.145	0.052	0.017	mg/kg	
50-32-8	Benzo(a)pyrene	0.131	0.052	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.144	0.052	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0680	0.052	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0517	0.052	0.020	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.10	0.019	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.10	0.030	mg/kg	
92-52-4	1,1'-Biphenyl	0.0329	0.10	0.0061	mg/kg	J
100-52-7	Benzaldehyde	ND	0.26	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.10	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.26	0.017	mg/kg	
86-74-8	Carbazole	ND	0.10	0.024	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:	274-DUP-2		
Lab Sample ID:	JB67744-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	60.4
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	0.10	0.016	mg/kg	
218-01-9	Chrysene	0.136	0.052	0.018	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.10	0.021	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.10	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.10	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.10	0.016	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.052	0.023	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.052	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.10	0.013	mg/kg	
123-91-1	1,4-Dioxane	ND	0.052	0.034	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.052	0.018	mg/kg	
132-64-9	Dibenzofuran	0.0892	0.10	0.016	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.10	0.012	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.10	0.025	mg/kg	
84-66-2	Diethyl phthalate	ND	0.10	0.018	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.10	0.018	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.10	0.046	mg/kg	
206-44-0	Fluoranthene	0.347	0.052	0.023	mg/kg	
86-73-7	Fluorene	0.123	0.052	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.10	0.017	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.052	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.52	0.053	mg/kg	
67-72-1	Hexachloroethane	ND	0.26	0.015	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0537	0.052	0.018	mg/kg	
78-59-1	Isophorone	ND	0.10	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	0.0786	0.10	0.029	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.26	0.023	mg/kg	
99-09-2	3-Nitroaniline	ND	0.26	0.021	mg/kg	
100-01-6	4-Nitroaniline	ND	0.26	0.020	mg/kg	
91-20-3	Naphthalene	0.219	0.052	0.014	mg/kg	
98-95-3	Nitrobenzene	ND	0.10	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.10	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.26	0.031	mg/kg	
85-01-8	Phenanthrene	0.265	0.052	0.024	mg/kg	
129-00-0	Pyrene	0.335	0.052	0.020	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.26	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		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:	274-DUP-2		
Lab Sample ID:	JB67744-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	60.4
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	66%		15-110%
118-79-6	2,4,6-Tribromophenol	88%		20-123%
4165-60-0	Nitrobenzene-d5	64%		10-110%
321-60-8	2-Fluorobiphenyl	66%		17-110%
1718-51-0	Terphenyl-d14	69%		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: 274-DUP-2
Lab Sample ID: JB67744-3
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/22/14
Date Received: 05/23/14
Percent Solids: 60.4

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	23500	49	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.98 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	12.8	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	89.5	20	0.079	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.3	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.35 B	0.49	0.049	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	2850	490	3.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	39.3	0.99	0.069	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	12.4	4.9	0.059	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	43.0	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	33800	49	0.95	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	192	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	7920	490	3.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	322	1.5	0.059	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.41	0.051	0.011	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	43.8	3.9	0.099	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	4460	990	3.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.2 B	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.85	0.49	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	2010	990	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.40 U	0.99	0.40	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	46.0	4.9	0.089	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	113	2.0	0.37	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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:	275-PE-55		
Lab Sample ID:	JB67744-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	72.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11244.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0439	0.012	0.0056	mg/kg	
71-43-2	Benzene	ND	0.0012	0.00016	mg/kg	
74-97-5	Bromochloromethane	ND	0.0062	0.00064	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0062	0.00035	mg/kg	
75-25-2	Bromoform	ND	0.0062	0.00032	mg/kg	
74-83-9	Bromomethane	ND	0.0062	0.00059	mg/kg	
78-93-3	2-Butanone (MEK)	0.0072	0.012	0.0054	mg/kg	J
75-15-0	Carbon disulfide	0.0015	0.0062	0.00017	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0062	0.00031	mg/kg	
108-90-7	Chlorobenzene	ND	0.0062	0.00024	mg/kg	
75-00-3	Chloroethane	ND	0.0062	0.0012	mg/kg	
67-66-3	Chloroform	ND	0.0062	0.00031	mg/kg	
74-87-3	Chloromethane	ND	0.0062	0.00042	mg/kg	
110-82-7	Cyclohexane	ND	0.0062	0.00032	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.012	0.0016	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0062	0.00030	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00068	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0062	0.00042	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0062	0.00027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0062	0.00031	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0062	0.00044	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0062	0.00039	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00040	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0062	0.00035	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0062	0.00026	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0062	0.00052	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0062	0.00054	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0062	0.00028	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0062	0.00033	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00022	mg/kg	
76-13-1	Freon 113	ND	0.0062	0.00054	mg/kg	
591-78-6	2-Hexanone	ND	0.0062	0.0022	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:	275-PE-55		
Lab Sample ID:	JB67744-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	72.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0062	0.00018	mg/kg	
79-20-9	Methyl Acetate	ND	0.0062	0.0021	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0062	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.0051	0.0012	0.00042	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0062	0.0016	mg/kg	
75-09-2	Methylene chloride	ND	0.0062	0.0021	mg/kg	
100-42-5	Styrene	ND	0.0062	0.00029	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0062	0.00042	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0062	0.00051	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00018	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0062	0.00026	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0062	0.00022	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0062	0.00035	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0062	0.0010	mg/kg	
79-01-6	Trichloroethene	ND	0.0062	0.00043	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0062	0.00028	mg/kg	
75-01-4	Vinyl chloride	ND	0.0062	0.00042	mg/kg	
	m,p-Xylene	ND	0.0012	0.00060	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00022	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		59-130%
17060-07-0	1,2-Dichloroethane-D4	107%		65-123%
2037-26-5	Toluene-D8	114%		77-125%
460-00-4	4-Bromofluorobenzene	117%		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 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	275-PE-55		
Lab Sample ID:	JB67744-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	72.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63917.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
Run #2							

	Initial Weight	Final Volume
Run #1	31.9 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	0.087	0.043	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.043	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.070	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.073	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.87	0.053	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.87	0.053	mg/kg	
95-48-7	2-Methylphenol	ND	0.087	0.049	mg/kg	
	3&4-Methylphenol	ND	0.087	0.055	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.046	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.073	mg/kg	
87-86-5	Pentachlorophenol	ND	0.43	0.074	mg/kg	
108-95-2	Phenol	ND	0.087	0.046	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.22	0.045	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.22	0.050	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.041	mg/kg	
83-32-9	Acenaphthene	0.125	0.043	0.013	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.014	mg/kg	
98-86-2	Acetophenone	ND	0.22	0.0076	mg/kg	
120-12-7	Anthracene	0.104	0.043	0.015	mg/kg	
1912-24-9	Atrazine	ND	0.087	0.0085	mg/kg	
56-55-3	Benzo(a)anthracene	0.163	0.043	0.014	mg/kg	
50-32-8	Benzo(a)pyrene	0.175	0.043	0.013	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.179	0.043	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0890	0.043	0.016	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0602	0.043	0.016	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.087	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.087	0.025	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.087	0.0050	mg/kg	
100-52-7	Benzaldehyde	ND	0.22	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.087	0.013	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.014	mg/kg	
86-74-8	Carbazole	ND	0.087	0.020	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:	275-PE-55		
Lab Sample ID:	JB67744-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	72.3
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	0.087	0.014	mg/kg	
218-01-9	Chrysene	0.151	0.043	0.015	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.087	0.018	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.087	0.013	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.087	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.087	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.019	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.017	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.087	0.011	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0230	0.043	0.015	mg/kg	J
132-64-9	Dibenzofuran	0.0312	0.087	0.013	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.087	0.0096	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.087	0.021	mg/kg	
84-66-2	Diethyl phthalate	ND	0.087	0.015	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.087	0.015	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.087	0.038	mg/kg	
206-44-0	Fluoranthene	0.404	0.043	0.019	mg/kg	
86-73-7	Fluorene	0.0914	0.043	0.014	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.087	0.014	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.043	0.012	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.43	0.044	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0770	0.043	0.015	mg/kg	
78-59-1	Isophorone	ND	0.087	0.012	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.087	0.024	mg/kg	
88-74-4	2-Nitroaniline	ND	0.22	0.019	mg/kg	
99-09-2	3-Nitroaniline	ND	0.22	0.017	mg/kg	
100-01-6	4-Nitroaniline	ND	0.22	0.017	mg/kg	
91-20-3	Naphthalene	0.0250	0.043	0.012	mg/kg	J
98-95-3	Nitrobenzene	ND	0.087	0.013	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.087	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.026	mg/kg	
85-01-8	Phenanthrene	0.241	0.043	0.020	mg/kg	
129-00-0	Pyrene	0.351	0.043	0.017	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.22	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		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:	275-PE-55		
Lab Sample ID:	JB67744-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	72.3
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	74%		15-110%
118-79-6	2,4,6-Tribromophenol	96%		20-123%
4165-60-0	Nitrobenzene-d5	75%		10-110%
321-60-8	2-Fluorobiphenyl	73%		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

Report of Analysis

Client Sample ID: 275-PE-55
Lab Sample ID: JB67744-4
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/22/14
Date Received: 05/23/14
Percent Solids: 72.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11100	51	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.58 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	7.3	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	47.4	20	0.081	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.58	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.19 B	0.51	0.051	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	54200	510	3.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	19.9	1.0	0.071	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	6.1	5.1	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	9.9	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	19500	51	0.98	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	21.0	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	3840	510	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Manganese	233	1.5	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.29	0.043	0.0098	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [3]	SW846 7471B [5]
Nickel	18.5	4.1	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	2250	1000	4.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	2.8	2.0	0.34	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.83	0.51	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Sodium	1120	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.42 U	1.0	0.42	mg/kg	1	05/29/14	06/02/14	RR	SW846 6010C [2]	SW846 3050B [4]
Vanadium	22.9	5.1	0.092	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	43.9	2.0	0.39	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34141
(3) Instrument QC Batch: MA34169
(4) Prep QC Batch: MP79752
(5) Prep QC Batch: MP79882

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:	276-DEC-1		
Lab Sample ID:	JB67744-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	67.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11255.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0667	0.018	0.0081	mg/kg	
71-43-2	Benzene	ND	0.0018	0.00022	mg/kg	
74-97-5	Bromochloromethane	ND	0.0089	0.00092	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0089	0.00050	mg/kg	
75-25-2	Bromoform	ND	0.0089	0.00046	mg/kg	
74-83-9	Bromomethane	ND	0.0089	0.00085	mg/kg	
78-93-3	2-Butanone (MEK)	0.0079	0.018	0.0078	mg/kg	J
75-15-0	Carbon disulfide	0.00073	0.0089	0.00025	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0089	0.00044	mg/kg	
108-90-7	Chlorobenzene	ND	0.0089	0.00035	mg/kg	
75-00-3	Chloroethane	ND	0.0089	0.0018	mg/kg	
67-66-3	Chloroform	ND	0.0089	0.00045	mg/kg	
74-87-3	Chloromethane	ND	0.0089	0.00061	mg/kg	
110-82-7	Cyclohexane	ND	0.0089	0.00046	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.018	0.0024	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0089	0.00043	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0018	0.00097	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0089	0.00060	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0089	0.00039	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0089	0.00044	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0089	0.00063	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0089	0.00056	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0018	0.00057	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0089	0.00051	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0089	0.00037	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0089	0.00075	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0089	0.00077	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0089	0.00040	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0089	0.00048	mg/kg	
100-41-4	Ethylbenzene	ND	0.0018	0.00031	mg/kg	
76-13-1	Freon 113	ND	0.0089	0.00077	mg/kg	
591-78-6	2-Hexanone	ND	0.0089	0.0032	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:	276-DEC-1		
Lab Sample ID:	JB67744-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	67.2
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	0.0089	0.00026	mg/kg	
79-20-9	Methyl Acetate	ND	0.0089	0.0030	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0089	0.00029	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0018	0.00061	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0089	0.0023	mg/kg	
75-09-2	Methylene chloride	ND	0.0089	0.0030	mg/kg	
100-42-5	Styrene	ND	0.0089	0.00041	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0089	0.00061	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0089	0.00073	mg/kg	
108-88-3	Toluene	ND	0.0018	0.00025	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0089	0.00037	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0089	0.00032	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0089	0.00051	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0089	0.0015	mg/kg	
79-01-6	Trichloroethene	ND	0.0089	0.00062	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0089	0.00040	mg/kg	
75-01-4	Vinyl chloride	ND	0.0089	0.00061	mg/kg	
	m,p-Xylene	ND	0.0018	0.00086	mg/kg	
95-47-6	o-Xylene	ND	0.0018	0.00032	mg/kg	
1330-20-7	Xylene (total)	ND	0.0018	0.00032	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	101%		65-123%
2037-26-5	Toluene-D8	116%		77-125%
460-00-4	4-Bromofluorobenzene	116%		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:	276-DEC-1		
Lab Sample ID:	JB67744-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	67.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63918.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
Run #2							

	Initial Weight	Final Volume
Run #1	32.0 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	0.093	0.047	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.23	0.047	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.23	0.075	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.23	0.078	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.93	0.057	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.93	0.057	mg/kg	
95-48-7	2-Methylphenol	ND	0.093	0.053	mg/kg	
	3&4-Methylphenol	4.34	0.093	0.059	mg/kg	
88-75-5	2-Nitrophenol	ND	0.23	0.049	mg/kg	
100-02-7	4-Nitrophenol	ND	0.47	0.079	mg/kg	
87-86-5	Pentachlorophenol	ND	0.47	0.080	mg/kg	
108-95-2	Phenol	0.0820	0.093	0.049	mg/kg	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.23	0.048	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.23	0.054	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.23	0.044	mg/kg	
83-32-9	Acenaphthene	0.116	0.047	0.013	mg/kg	
208-96-8	Acenaphthylene	0.0585	0.047	0.015	mg/kg	
98-86-2	Acetophenone	ND	0.23	0.0082	mg/kg	
120-12-7	Anthracene	0.182	0.047	0.016	mg/kg	
1912-24-9	Atrazine	ND	0.093	0.0092	mg/kg	
56-55-3	Benzo(a)anthracene	0.189	0.047	0.015	mg/kg	
50-32-8	Benzo(a)pyrene	0.141	0.047	0.014	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.211	0.047	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0721	0.047	0.017	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0548	0.047	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.093	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.093	0.027	mg/kg	
92-52-4	1,1'-Biphenyl	0.0353	0.093	0.0054	mg/kg	J
100-52-7	Benzaldehyde	ND	0.23	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.093	0.014	mg/kg	
106-47-8	4-Chloroaniline	ND	0.23	0.015	mg/kg	
86-74-8	Carbazole	0.0628	0.093	0.022	mg/kg	J

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:	276-DEC-1		
Lab Sample ID:	JB67744-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	67.2
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	0.093	0.015	mg/kg	
218-01-9	Chrysene	0.209	0.047	0.016	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.093	0.019	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.093	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.093	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.093	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.047	0.020	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.047	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.093	0.012	mg/kg	
123-91-1	1,4-Dioxane	ND	0.047	0.030	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0229	0.047	0.016	mg/kg	J
132-64-9	Dibenzofuran	0.0845	0.093	0.014	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.093	0.010	mg/kg	
117-84-0	Di-n-octyl phthalate	0.126	0.093	0.023	mg/kg	
84-66-2	Diethyl phthalate	ND	0.093	0.016	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.093	0.016	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.093	0.041	mg/kg	
206-44-0	Fluoranthene	0.524	0.047	0.021	mg/kg	
86-73-7	Fluorene	0.157	0.047	0.015	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.093	0.015	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.047	0.013	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.47	0.047	mg/kg	
67-72-1	Hexachloroethane	ND	0.23	0.013	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0617	0.047	0.016	mg/kg	
78-59-1	Isophorone	ND	0.093	0.013	mg/kg	
91-57-6	2-Methylnaphthalene	0.0930	0.093	0.026	mg/kg	
88-74-4	2-Nitroaniline	ND	0.23	0.020	mg/kg	
99-09-2	3-Nitroaniline	ND	0.23	0.019	mg/kg	
100-01-6	4-Nitroaniline	ND	0.23	0.018	mg/kg	
91-20-3	Naphthalene	0.217	0.047	0.013	mg/kg	
98-95-3	Nitrobenzene	ND	0.093	0.013	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.093	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.23	0.028	mg/kg	
85-01-8	Phenanthrene	0.665	0.047	0.021	mg/kg	
129-00-0	Pyrene	0.453	0.047	0.018	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.23	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		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:	276-DEC-1		
Lab Sample ID:	JB67744-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	67.2
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	69%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		20-123%
4165-60-0	Nitrobenzene-d5	69%		10-110%
321-60-8	2-Fluorobiphenyl	71%		17-110%
1718-51-0	Terphenyl-d14	73%		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: 276-DEC-1
Lab Sample ID: JB67744-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/22/14
Date Received: 05/23/14
Percent Solids: 67.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5160	50	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.38 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	13.1	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	139	20	0.080	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.36	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.24 B	0.50	0.050	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	9140	500	3.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	10.0	1.0	0.070	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	5.9	5.0	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	27.1	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	12300	50	0.96	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	176	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	1470	500	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	138	1.5	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	1.2	0.049	0.011	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	17.7	4.0	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	826 B	1000	4.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	5.4	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.79	0.50	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	268 B	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.42 B	1.0	0.41	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	18.8	5.0	0.090	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	120	2.0	0.38	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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:	277-FB-4		
Lab Sample ID:	JB67744-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	1C128750.D	1	05/30/14	MD	n/a	n/a	V1C5741
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:	277-FB-4		
Lab Sample ID:	JB67744-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	101%		79-120%
17060-07-0	1,2-Dichloroethane-D4	100%		72-123%
2037-26-5	Toluene-D8	106%		78-119%
460-00-4	4-Bromofluorobenzene	103%		74-119%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@815166 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	277-FB-4		
Lab Sample ID:	JB67744-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	Z91945.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
Run #2							

	Initial Volume	Final Volume
Run #1	970 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	5.2	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.7	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	6.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.3	ug/l	
	3&4-Methylphenol	ND	2.1	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.94	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.56	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.6	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.21	ug/l	
98-86-2	Acetophenone	ND	2.1	0.38	ug/l	
120-12-7	Anthracene	ND	1.0	0.19	ug/l	
1912-24-9	Atrazine	ND	2.1	0.44	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.69	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.23	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.26	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.23	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.28	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.35	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.31	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	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:	277-FB-4		
Lab Sample ID:	JB67744-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	2.1	0.42	ug/l	
218-01-9	Chrysene	ND	1.0	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.43	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.45	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.33	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.26	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.58	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.74	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.29	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.60	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.24	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.27	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.57	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.47	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.40	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.50	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.30	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.42	ug/l	
78-59-1	Isophorone	ND	2.1	0.35	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.30	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.33	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.27	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.31	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.39	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.21	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.19	ug/l	
129-00-0	Pyrene	ND	1.0	0.20	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.46	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:	277-FB-4		
Lab Sample ID:	JB67744-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	33%		10-110%
118-79-6	2,4,6-Tribromophenol	109%		29-139%
4165-60-0	Nitrobenzene-d5	98%		28-131%
321-60-8	2-Fluorobiphenyl	95%		30-121%
1718-51-0	Terphenyl-d14	104%		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: 277-FB-4
Lab Sample ID: JB67744-6
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/22/14
Date Received: 05/23/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11.7 B	200	11	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Antimony	2.6 U	6.0	2.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.6 U	3.0	2.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Barium	1.0 U	200	1.0	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Beryllium	0.40 U	1.0	0.40	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 U	3.0	0.70	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Calcium	153 B	5000	19	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.89 U	10	0.89	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Cobalt	0.83 U	50	0.83	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Copper	1.2 U	10	1.2	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Iron	12 U	100	12	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Lead	1.3 U	3.0	1.3	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Magnesium	41 U	5000	41	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Manganese	0.48 U	15	0.48	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.064 U	0.20	0.064	ug/l	1	06/03/14	06/03/14	JW	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.75 U	10	0.75	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Potassium	50 U	10000	50	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Selenium	3.6 U	10	3.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 U	10	1.2	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Sodium	149 B	10000	19	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Thallium	1.8 U	2.0	1.8	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Vanadium	0.87 U	50	0.87	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Zinc	12.7 B	20	7.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA34130
(2) Instrument QC Batch: MA34150
(3) Prep QC Batch: MP79733
(4) Prep QC Batch: MP79837

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:	278-TB-4		
Lab Sample ID:	JB67744-7	**Date Sampled:**	05/23/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/23/14
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	1C128751.D	1	05/30/14	MD	n/a	n/a	V1C5741
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:	278-TB-4		
Lab Sample ID:	JB67744-7	**Date Sampled:**	05/23/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/23/14
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	103%		79-120%
17060-07-0	1,2-Dichloroethane-D4	99%		72-123%
2037-26-5	Toluene-D8	104%		78-119%
460-00-4	4-Bromofluorobenzene	104%		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:	279-PE-47		
Lab Sample ID:	JB67744-8	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	57.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11249.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0327	0.018	0.0083	mg/kg	
71-43-2	Benzene	ND	0.0018	0.00023	mg/kg	
74-97-5	Bromochloromethane	ND	0.0091	0.00094	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0091	0.00051	mg/kg	
75-25-2	Bromoform	ND	0.0091	0.00047	mg/kg	
74-83-9	Bromomethane	ND	0.0091	0.00087	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.018	0.0080	mg/kg	
75-15-0	Carbon disulfide	0.0057	0.0091	0.00026	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0091	0.00045	mg/kg	
108-90-7	Chlorobenzene	ND	0.0091	0.00036	mg/kg	
75-00-3	Chloroethane	ND	0.0091	0.0018	mg/kg	
67-66-3	Chloroform	ND	0.0091	0.00046	mg/kg	
74-87-3	Chloromethane	ND	0.0091	0.00062	mg/kg	
110-82-7	Cyclohexane	ND	0.0091	0.00047	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.018	0.0024	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0091	0.00044	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0018	0.00099	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0091	0.00061	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0091	0.00039	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0091	0.00045	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0091	0.00064	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0091	0.00057	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0018	0.00058	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0091	0.00052	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0091	0.00037	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0091	0.00077	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0091	0.00079	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0091	0.00041	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0091	0.00049	mg/kg	
100-41-4	Ethylbenzene	ND	0.0018	0.00032	mg/kg	
76-13-1	Freon 113	ND	0.0091	0.00079	mg/kg	
591-78-6	2-Hexanone	ND	0.0091	0.0032	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:	279-PE-47		
Lab Sample ID:	JB67744-8	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	57.5
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	0.0091	0.00027	mg/kg	
79-20-9	Methyl Acetate	ND	0.0091	0.0030	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0091	0.00030	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0018	0.00062	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0091	0.0024	mg/kg	
75-09-2	Methylene chloride	0.0031	0.0091	0.0031	mg/kg	J
100-42-5	Styrene	ND	0.0091	0.00042	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0091	0.00062	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0091	0.00074	mg/kg	
108-88-3	Toluene	ND	0.0018	0.00026	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0091	0.00037	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0091	0.00033	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0091	0.00052	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0091	0.0015	mg/kg	
79-01-6	Trichloroethene	ND	0.0091	0.00063	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0091	0.00041	mg/kg	
75-01-4	Vinyl chloride	ND	0.0091	0.00062	mg/kg	
	m,p-Xylene	ND	0.0018	0.00088	mg/kg	
95-47-6	o-Xylene	ND	0.0018	0.00032	mg/kg	
1330-20-7	Xylene (total)	ND	0.0018	0.00032	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		59-130%
17060-07-0	1,2-Dichloroethane-D4	106%		65-123%
2037-26-5	Toluene-D8	114%		77-125%
460-00-4	4-Bromofluorobenzene	118%		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:	279-PE-47		
Lab Sample ID:	JB67744-8	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	57.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63919.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
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	0.11	0.053	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.26	0.053	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.26	0.085	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.26	0.089	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.064	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.064	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.060	mg/kg	
	3&4-Methylphenol	ND	0.11	0.067	mg/kg	
88-75-5	2-Nitrophenol	ND	0.26	0.056	mg/kg	
100-02-7	4-Nitrophenol	ND	0.53	0.089	mg/kg	
87-86-5	Pentachlorophenol	ND	0.53	0.090	mg/kg	
108-95-2	Phenol	ND	0.11	0.055	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.26	0.054	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.26	0.061	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.26	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	0.26	0.0093	mg/kg	
120-12-7	Anthracene	ND	0.053	0.018	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	0.0227	0.053	0.018	mg/kg	J
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	0.0061	mg/kg	
100-52-7	Benzaldehyde	ND	0.26	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.26	0.017	mg/kg	
86-74-8	Carbazole	ND	0.11	0.024	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:	279-PE-47		
Lab Sample ID:	JB67744-8	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	57.5
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	0.11	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	0.034	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	0.0467	0.053	0.023	mg/kg	J
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	0.26	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	0.029	mg/kg	
88-74-4	2-Nitroaniline	ND	0.26	0.023	mg/kg	
99-09-2	3-Nitroaniline	ND	0.26	0.021	mg/kg	
100-01-6	4-Nitroaniline	ND	0.26	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	0.26	0.031	mg/kg	
85-01-8	Phenanthrene	0.0331	0.053	0.024	mg/kg	J
129-00-0	Pyrene	0.0402	0.053	0.020	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.26	0.016	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:	279-PE-47		
Lab Sample ID:	JB67744-8	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	57.5
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	78%		15-110%
118-79-6	2,4,6-Tribromophenol	108%		20-123%
4165-60-0	Nitrobenzene-d5	80%		10-110%
321-60-8	2-Fluorobiphenyl	79%		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

Report of Analysis

Client Sample ID: 279-PE-47
Lab Sample ID: JB67744-8
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 57.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	19200	51	1.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.88 B	2.0	0.28	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	10.9	2.0	0.30	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	56.0	20	0.082	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.99	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.20 B	0.51	0.051	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	2710	510	3.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	33.8	1.0	0.072	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	9.8	5.1	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	19.6	2.6	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	30100	51	0.98	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	37.3	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6740	510	3.5	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	288	1.5	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.26	0.056	0.013	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	33.5	4.1	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	4070	1000	4.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.68 B	2.0	0.34	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.79	0.51	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	931 B	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.62 B	1.0	0.42	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	41.3	5.1	0.092	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	70.5	2.0	0.39	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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:	280-PE-48		
Lab Sample ID:	JB67744-9	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	40.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11250.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	2.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.118	0.059	0.027	mg/kg	
71-43-2	Benzene	ND	0.0059	0.00075	mg/kg	
74-97-5	Bromochloromethane	ND	0.030	0.0031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.030	0.0017	mg/kg	
75-25-2	Bromoform	ND	0.030	0.0016	mg/kg	
74-83-9	Bromomethane	ND	0.030	0.0029	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.059	0.026	mg/kg	
75-15-0	Carbon disulfide	0.0125	0.030	0.00084	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.030	0.0015	mg/kg	
108-90-7	Chlorobenzene	ND	0.030	0.0012	mg/kg	
75-00-3	Chloroethane	ND	0.030	0.0059	mg/kg	
67-66-3	Chloroform	ND	0.030	0.0015	mg/kg	
74-87-3	Chloromethane	ND	0.030	0.0020	mg/kg	
110-82-7	Cyclohexane	ND	0.030	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.059	0.0079	mg/kg	
124-48-1	Dibromochloromethane	ND	0.030	0.0014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0059	0.0033	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.030	0.0020	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.030	0.0013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.030	0.0015	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.030	0.0021	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.030	0.0019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0059	0.0019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.030	0.0017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.030	0.0012	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.030	0.0025	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.030	0.0026	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.030	0.0013	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.030	0.0016	mg/kg	
100-41-4	Ethylbenzene	ND	0.0059	0.0010	mg/kg	
76-13-1	Freon 113	ND	0.030	0.0026	mg/kg	
591-78-6	2-Hexanone	ND	0.030	0.011	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:	280-PE-48		
Lab Sample ID:	JB67744-9	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	40.1
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	0.030	0.00087	mg/kg	
79-20-9	Methyl Acetate	ND	0.030	0.0099	mg/kg	
108-87-2	Methylcyclohexane	ND	0.030	0.00097	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0059	0.0020	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.030	0.0078	mg/kg	
75-09-2	Methylene chloride	ND	0.030	0.010	mg/kg	
100-42-5	Styrene	ND	0.030	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.030	0.0020	mg/kg	
127-18-4	Tetrachloroethene	ND	0.030	0.0024	mg/kg	
108-88-3	Toluene	ND	0.0059	0.00084	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.030	0.0012	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.030	0.0011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.030	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.030	0.0049	mg/kg	
79-01-6	Trichloroethene	ND	0.030	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.030	0.0013	mg/kg	
75-01-4	Vinyl chloride	ND	0.030	0.0020	mg/kg	
	m,p-Xylene	ND	0.0059	0.0029	mg/kg	
95-47-6	o-Xylene	ND	0.0059	0.0011	mg/kg	
1330-20-7	Xylene (total)	ND	0.0059	0.0011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		59-130%
17060-07-0	1,2-Dichloroethane-D4	112%		65-123%
2037-26-5	Toluene-D8	114%		77-125%
460-00-4	4-Bromofluorobenzene	119%		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:	280-PE-48		
Lab Sample ID:	JB67744-9	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	40.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63920.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 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	0.16	0.079	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.40	0.079	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.40	0.13	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.40	0.13	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.6	0.097	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.6	0.097	mg/kg	
95-48-7	2-Methylphenol	ND	0.16	0.091	mg/kg	
	3&4-Methylphenol	ND	0.16	0.10	mg/kg	
88-75-5	2-Nitrophenol	ND	0.40	0.084	mg/kg	
100-02-7	4-Nitrophenol	ND	0.79	0.13	mg/kg	
87-86-5	Pentachlorophenol	ND	0.79	0.14	mg/kg	
108-95-2	Phenol	ND	0.16	0.083	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.40	0.082	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.40	0.092	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.40	0.075	mg/kg	
83-32-9	Acenaphthene	ND	0.079	0.023	mg/kg	
208-96-8	Acenaphthylene	ND	0.079	0.025	mg/kg	
98-86-2	Acetophenone	ND	0.40	0.014	mg/kg	
120-12-7	Anthracene	ND	0.079	0.028	mg/kg	
1912-24-9	Atrazine	ND	0.16	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.079	0.026	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.079	0.024	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.079	0.027	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.079	0.030	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.079	0.030	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.16	0.029	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.16	0.046	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.16	0.0092	mg/kg	
100-52-7	Benzaldehyde	ND	0.40	0.018	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.16	0.025	mg/kg	
106-47-8	4-Chloroaniline	ND	0.40	0.025	mg/kg	
86-74-8	Carbazole	ND	0.16	0.037	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:	280-PE-48		
Lab Sample ID:	JB67744-9	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	40.1
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	0.16	0.025	mg/kg	
218-01-9	Chrysene	ND	0.079	0.027	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.16	0.032	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.16	0.024	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.16	0.024	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.16	0.024	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.079	0.035	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.079	0.030	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.16	0.020	mg/kg	
123-91-1	1,4-Dioxane	ND	0.079	0.052	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.079	0.027	mg/kg	
132-64-9	Dibenzofuran	ND	0.16	0.024	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.16	0.018	mg/kg	
117-84-0	Di-n-octyl phthalate	0.247	0.16	0.039	mg/kg	
84-66-2	Diethyl phthalate	ND	0.16	0.027	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.16	0.028	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.16	0.070	mg/kg	
206-44-0	Fluoranthene	0.0423	0.079	0.035	mg/kg	J
86-73-7	Fluorene	ND	0.079	0.026	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.16	0.026	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.079	0.022	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.79	0.081	mg/kg	
67-72-1	Hexachloroethane	ND	0.40	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.079	0.028	mg/kg	
78-59-1	Isophorone	ND	0.16	0.021	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.16	0.044	mg/kg	
88-74-4	2-Nitroaniline	ND	0.40	0.035	mg/kg	
99-09-2	3-Nitroaniline	ND	0.40	0.032	mg/kg	
100-01-6	4-Nitroaniline	ND	0.40	0.031	mg/kg	
91-20-3	Naphthalene	ND	0.079	0.022	mg/kg	
98-95-3	Nitrobenzene	ND	0.16	0.023	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.16	0.019	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.40	0.047	mg/kg	
85-01-8	Phenanthrene	ND	0.079	0.036	mg/kg	
129-00-0	Pyrene	0.0367	0.079	0.030	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.40	0.024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		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:	280-PE-48		
Lab Sample ID:	JB67744-9	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	40.1
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	73%		15-110%
118-79-6	2,4,6-Tribromophenol	97%		20-123%
4165-60-0	Nitrobenzene-d5	75%		10-110%
321-60-8	2-Fluorobiphenyl	73%		17-110%
1718-51-0	Terphenyl-d14	83%		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: 280-PE-48
Lab Sample ID: JB67744-9
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 40.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	25000	51	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	1.2 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	18.8	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	91.4	20	0.081	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.4	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.33 B	0.51	0.051	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	4090	510	3.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	45.6	1.0	0.071	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	13.9	5.1	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	31.2	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	39500	51	0.97	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	75.6	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	9320	510	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	357	1.5	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.58	0.076	0.017	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	48.5	4.1	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	5330	1000	4.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.3 B	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.85	0.51	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	1290	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.42 U	1.0	0.42	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	55.7	5.1	0.091	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	103	2.0	0.39	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	285-PE-46		
Lab Sample ID:	JB67744-10	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	59.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11251.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0656	0.016	0.0074	mg/kg	
71-43-2	Benzene	ND	0.0016	0.00020	mg/kg	
74-97-5	Bromochloromethane	ND	0.0081	0.00084	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0081	0.00045	mg/kg	
75-25-2	Bromoform	ND	0.0081	0.00042	mg/kg	
74-83-9	Bromomethane	ND	0.0081	0.00078	mg/kg	
78-93-3	2-Butanone (MEK)	0.0124	0.016	0.0071	mg/kg	J
75-15-0	Carbon disulfide	ND	0.0081	0.00023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0081	0.00041	mg/kg	
108-90-7	Chlorobenzene	ND	0.0081	0.00032	mg/kg	
75-00-3	Chloroethane	ND	0.0081	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.0081	0.00041	mg/kg	
74-87-3	Chloromethane	ND	0.0081	0.00055	mg/kg	
110-82-7	Cyclohexane	ND	0.0081	0.00042	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.016	0.0021	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0081	0.00039	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0016	0.00089	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0081	0.00055	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0081	0.00035	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0081	0.00041	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0081	0.00057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0081	0.00051	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0016	0.00052	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0081	0.00046	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0081	0.00033	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0081	0.00068	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0081	0.00070	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0081	0.00037	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0081	0.00044	mg/kg	
100-41-4	Ethylbenzene	ND	0.0016	0.00028	mg/kg	
76-13-1	Freon 113	ND	0.0081	0.00070	mg/kg	
591-78-6	2-Hexanone	ND	0.0081	0.0029	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:	285-PE-46		
Lab Sample ID:	JB67744-10	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	59.5
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	0.0081	0.00024	mg/kg	
79-20-9	Methyl Acetate	ND	0.0081	0.0027	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0081	0.00027	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0016	0.00055	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0081	0.0021	mg/kg	
75-09-2	Methylene chloride	0.0053	0.0081	0.0027	mg/kg	J
100-42-5	Styrene	ND	0.0081	0.00037	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0081	0.00055	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0081	0.00066	mg/kg	
108-88-3	Toluene	ND	0.0016	0.00023	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0081	0.00033	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0081	0.00029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0081	0.00046	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0081	0.0013	mg/kg	
79-01-6	Trichloroethene	ND	0.0081	0.00057	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0081	0.00036	mg/kg	
75-01-4	Vinyl chloride	ND	0.0081	0.00055	mg/kg	
	m,p-Xylene	ND	0.0016	0.00078	mg/kg	
95-47-6	o-Xylene	ND	0.0016	0.00029	mg/kg	
1330-20-7	Xylene (total)	ND	0.0016	0.00029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		59-130%
17060-07-0	1,2-Dichloroethane-D4	106%		65-123%
2037-26-5	Toluene-D8	115%		77-125%
460-00-4	4-Bromofluorobenzene	118%		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:	285-PE-46		
Lab Sample ID:	JB67744-10	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	59.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M63921.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
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	0.10	0.051	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.25	0.051	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.25	0.082	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.25	0.086	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.062	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.0	0.062	mg/kg	
95-48-7	2-Methylphenol	ND	0.10	0.058	mg/kg	
	3&4-Methylphenol	ND	0.10	0.065	mg/kg	
88-75-5	2-Nitrophenol	ND	0.25	0.054	mg/kg	
100-02-7	4-Nitrophenol	ND	0.51	0.086	mg/kg	
87-86-5	Pentachlorophenol	ND	0.51	0.087	mg/kg	
108-95-2	Phenol	ND	0.10	0.053	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.25	0.052	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.25	0.059	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.25	0.048	mg/kg	
83-32-9	Acenaphthene	0.0210	0.051	0.015	mg/kg	J
208-96-8	Acenaphthylene	ND	0.051	0.016	mg/kg	
98-86-2	Acetophenone	ND	0.25	0.0090	mg/kg	
120-12-7	Anthracene	ND	0.051	0.018	mg/kg	
1912-24-9	Atrazine	ND	0.10	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	0.0497	0.051	0.017	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0535	0.051	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0635	0.051	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0418	0.051	0.019	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.051	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.10	0.018	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.10	0.029	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.10	0.0059	mg/kg	
100-52-7	Benzaldehyde	ND	0.25	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.10	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.25	0.016	mg/kg	
86-74-8	Carbazole	ND	0.10	0.024	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:	285-PE-46		
Lab Sample ID:	JB67744-10	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	59.5
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	0.10	0.016	mg/kg	
218-01-9	Chrysene	0.0775	0.051	0.017	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.10	0.021	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.10	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.10	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.10	0.015	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.051	0.022	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.051	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.10	0.013	mg/kg	
123-91-1	1,4-Dioxane	ND	0.051	0.033	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.051	0.017	mg/kg	
132-64-9	Dibenzofuran	ND	0.10	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.10	0.011	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.10	0.025	mg/kg	
84-66-2	Diethyl phthalate	ND	0.10	0.017	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.10	0.018	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.10	0.045	mg/kg	
206-44-0	Fluoranthene	0.0953	0.051	0.022	mg/kg	
86-73-7	Fluorene	ND	0.051	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.10	0.017	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.051	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.51	0.052	mg/kg	
67-72-1	Hexachloroethane	ND	0.25	0.014	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0301	0.051	0.018	mg/kg	J
78-59-1	Isophorone	ND	0.10	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.10	0.028	mg/kg	
88-74-4	2-Nitroaniline	ND	0.25	0.022	mg/kg	
99-09-2	3-Nitroaniline	ND	0.25	0.020	mg/kg	
100-01-6	4-Nitroaniline	ND	0.25	0.020	mg/kg	
91-20-3	Naphthalene	0.0300	0.051	0.014	mg/kg	J
98-95-3	Nitrobenzene	ND	0.10	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.10	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.25	0.030	mg/kg	
85-01-8	Phenanthrene	0.0645	0.051	0.023	mg/kg	
129-00-0	Pyrene	0.123	0.051	0.020	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.25	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		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:	285-PE-46		
Lab Sample ID:	JB67744-10	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	59.5
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	69%		15-110%
118-79-6	2,4,6-Tribromophenol	89%		20-123%
4165-60-0	Nitrobenzene-d5	72%		10-110%
321-60-8	2-Fluorobiphenyl	70%		17-110%
1718-51-0	Terphenyl-d14	76%		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: 285-PE-46
Lab Sample ID: JB67744-10
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 59.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	17500	51	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.60 B	2.0	0.28	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	9.0	2.0	0.30	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	110	20	0.081	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.78	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.14 B	0.51	0.051	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	3630	510	3.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	33.6	1.0	0.071	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	7.3	5.1	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	21.4	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	29700	51	0.98	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	51.7	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6010	510	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	251	1.5	0.061	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.22	0.052	0.012	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	27.0	4.1	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	3660	1000	4.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.0 B	2.0	0.34	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.88	0.51	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	674 B	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.42 U	1.0	0.42	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	41.5	5.1	0.092	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	65.2	2.0	0.39	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	286-FB-5		
Lab Sample ID:	JB67744-11	**Date Sampled:**	05/23/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	1C128752.D	1	05/30/14	MD	n/a	n/a	V1C5741
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:	286-FB-5		
Lab Sample ID:	JB67744-11	**Date Sampled:**	05/23/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	102%		79-120%
17060-07-0	1,2-Dichloroethane-D4	101%		72-123%
2037-26-5	Toluene-D8	106%		78-119%
460-00-4	4-Bromofluorobenzene	104%		74-119%

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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:	286-FB-5		
Lab Sample ID:	JB67744-11	**Date Sampled:**	05/23/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	Z91946.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
Run #2							

	Initial Volume	Final Volume
Run #1	970 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	5.2	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.7	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	6.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.3	ug/l	
	3&4-Methylphenol	ND	2.1	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.94	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.56	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.6	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.21	ug/l	
98-86-2	Acetophenone	ND	2.1	0.38	ug/l	
120-12-7	Anthracene	ND	1.0	0.19	ug/l	
1912-24-9	Atrazine	ND	2.1	0.44	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.69	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.23	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.26	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.23	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.28	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.35	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.31	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	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:	286-FB-5		
Lab Sample ID:	JB67744-11	**Date Sampled:**	05/23/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	2.1	0.42	ug/l	
218-01-9	Chrysene	ND	1.0	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.43	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.45	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.33	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.26	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.58	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.74	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.29	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.60	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.24	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.27	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.57	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.47	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.40	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.50	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.30	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.42	ug/l	
78-59-1	Isophorone	ND	2.1	0.35	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.30	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.33	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.27	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.31	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.39	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.21	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.19	ug/l	
129-00-0	Pyrene	ND	1.0	0.20	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		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:	286-FB-5		
Lab Sample ID:	JB67744-11	**Date Sampled:**	05/23/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/23/14
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	30%		10-110%
118-79-6	2,4,6-Tribromophenol	107%		29-139%
4165-60-0	Nitrobenzene-d5	98%		28-131%
321-60-8	2-Fluorobiphenyl	90%		30-121%
1718-51-0	Terphenyl-d14	106%		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: 286-FB-5
Lab Sample ID: JB67744-11
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
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	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Antimony	2.6 U	6.0	2.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.6 U	3.0	2.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Barium	1.0 U	200	1.0	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Beryllium	0.40 U	1.0	0.40	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 U	3.0	0.70	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Calcium	30.2 B	5000	19	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.89 U	10	0.89	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Cobalt	0.83 U	50	0.83	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Copper	1.2 U	10	1.2	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Iron	12 U	100	12	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Lead	1.3 U	3.0	1.3	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Magnesium	41 U	5000	41	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Manganese	0.48 U	15	0.48	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.064 U	0.20	0.064	ug/l	1	06/03/14	06/03/14	JW	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.75 U	10	0.75	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Potassium	50 U	10000	50	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Selenium	3.6 U	10	3.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 U	10	1.2	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Sodium	69.6 B	10000	19	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Thallium	1.8 U	2.0	1.8	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Vanadium	0.87 U	50	0.87	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]
Zinc	12.7 B	20	7.6	ug/l	1	05/28/14	05/29/14	GT	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA34130
(2) Instrument QC Batch: MA34150
(3) Prep QC Batch: MP79733
(4) Prep QC Batch: MP79837

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:	281-DEC-2		
Lab Sample ID:	JB67744-12	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	77.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11256.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0246	0.012	0.0053	mg/kg	
71-43-2	Benzene	ND	0.0012	0.00015	mg/kg	
74-97-5	Bromochloromethane	ND	0.0059	0.00061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0059	0.00033	mg/kg	
75-25-2	Bromoform	ND	0.0059	0.00031	mg/kg	
74-83-9	Bromomethane	ND	0.0059	0.00056	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	0.0052	mg/kg	
75-15-0	Carbon disulfide	0.0018	0.0059	0.00017	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0059	0.00029	mg/kg	
108-90-7	Chlorobenzene	ND	0.0059	0.00023	mg/kg	
75-00-3	Chloroethane	ND	0.0059	0.0012	mg/kg	
67-66-3	Chloroform	ND	0.0059	0.00030	mg/kg	
74-87-3	Chloromethane	ND	0.0059	0.00040	mg/kg	
110-82-7	Cyclohexane	ND	0.0059	0.00030	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.012	0.0016	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0059	0.00028	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00064	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0059	0.00040	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0059	0.00026	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0059	0.00029	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0059	0.00041	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0059	0.00037	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00038	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0059	0.00034	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0059	0.00024	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0059	0.00050	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0059	0.00051	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0059	0.00027	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0059	0.00032	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00021	mg/kg	
76-13-1	Freon 113	ND	0.0059	0.00051	mg/kg	
591-78-6	2-Hexanone	ND	0.0059	0.0021	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:	281-DEC-2		
Lab Sample ID:	JB67744-12	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	77.6
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	0.0059	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0059	0.0020	mg/kg	
108-87-2	Methylcyclohexane	0.0013	0.0059	0.00019	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00040	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0059	0.0015	mg/kg	
75-09-2	Methylene chloride	ND	0.0059	0.0020	mg/kg	
100-42-5	Styrene	ND	0.0059	0.00027	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0059	0.00040	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0059	0.00048	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00017	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0059	0.00024	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0059	0.00021	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0059	0.00034	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0059	0.00096	mg/kg	
79-01-6	Trichloroethene	ND	0.0059	0.00041	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0059	0.00026	mg/kg	
75-01-4	Vinyl chloride	ND	0.0059	0.00040	mg/kg	
	m,p-Xylene	ND	0.0012	0.00057	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		59-130%
17060-07-0	1,2-Dichloroethane-D4	98%		65-123%
2037-26-5	Toluene-D8	121%		77-125%
460-00-4	4-Bromofluorobenzene	121%		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 14:59 18-Sep-2014

Report of Analysis

Client Sample ID:	281-DEC-2		
Lab Sample ID:	JB67744-12	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P7506.D	1	05/29/14	AR	05/28/14	OP75136	E6P318
Run #2							

	Initial Weight	Final Volume
Run #1	34.9 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	0.074	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	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.74	0.045	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.74	0.045	mg/kg	
95-48-7	2-Methylphenol	ND	0.074	0.042	mg/kg	
	3&4-Methylphenol	ND	0.074	0.047	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	0.074	0.039	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	0.043	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.035	mg/kg	
83-32-9	Acenaphthene	0.0405	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0065	mg/kg	
120-12-7	Anthracene	0.0621	0.037	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.074	0.0073	mg/kg	
56-55-3	Benzo(a)anthracene	0.142	0.037	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.128	0.037	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.141	0.037	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0878	0.037	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0511	0.037	0.014	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.074	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.074	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.074	0.0043	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0085	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.074	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.074	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:	281-DEC-2		
Lab Sample ID:	JB67744-12	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.6
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	0.074	0.012	mg/kg	
218-01-9	Chrysene	0.144	0.037	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.074	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.074	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.074	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.074	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	0.074	0.0094	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0209	0.037	0.013	mg/kg	J
132-64-9	Dibenzofuran	ND	0.074	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.074	0.0082	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.074	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.074	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.074	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.074	0.033	mg/kg	
206-44-0	Fluoranthene	0.288	0.037	0.016	mg/kg	
86-73-7	Fluorene	0.0427	0.037	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.074	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.038	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0838	0.037	0.013	mg/kg	
78-59-1	Isophorone	ND	0.074	0.0099	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.074	0.021	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	0.074	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.0090	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	
85-01-8	Phenanthrene	0.181	0.037	0.017	mg/kg	
129-00-0	Pyrene	0.311	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	61%		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:	281-DEC-2		
Lab Sample ID:	JB67744-12	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.6
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	56%		15-110%
118-79-6	2,4,6-Tribromophenol	88%		20-123%
4165-60-0	Nitrobenzene-d5	58%		10-110%
321-60-8	2-Fluorobiphenyl	70%		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: 281-DEC-2
Lab Sample ID: JB67744-12
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 77.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5440	52	1.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.37 B	2.1	0.28	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	9.5	2.1	0.30	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	125	21	0.082	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.49	0.21	0.021	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.23 B	0.52	0.052	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	19500	520	3.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	11.0	1.0	0.072	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	7.8	5.2	0.062	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	44.6	2.6	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	9720	52	0.99	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	177	2.1	0.22	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	2810	520	3.5	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	142	1.5	0.062	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.33	0.041	0.0093	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	15.8	4.1	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	761 B	1000	4.1	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	2.2	2.1	0.34	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.55	0.52	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	467 B	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.42 U	1.0	0.42	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	17.9	5.2	0.093	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	86.9	2.1	0.39	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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:	282-PE-45		
Lab Sample ID:	JB67744-13	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	27.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11252.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	2.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.151	0.063	0.029	mg/kg	
71-43-2	Benzene	ND	0.0063	0.00080	mg/kg	
74-97-5	Bromochloromethane	ND	0.032	0.0033	mg/kg	
75-27-4	Bromodichloromethane	ND	0.032	0.0018	mg/kg	
75-25-2	Bromoform	ND	0.032	0.0017	mg/kg	
74-83-9	Bromomethane	ND	0.032	0.0030	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.063	0.028	mg/kg	
75-15-0	Carbon disulfide	0.0566	0.032	0.00089	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.032	0.0016	mg/kg	
108-90-7	Chlorobenzene	ND	0.032	0.0012	mg/kg	
75-00-3	Chloroethane	ND	0.032	0.0063	mg/kg	
67-66-3	Chloroform	ND	0.032	0.0016	mg/kg	
74-87-3	Chloromethane	ND	0.032	0.0022	mg/kg	
110-82-7	Cyclohexane	ND	0.032	0.0016	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.063	0.0084	mg/kg	
124-48-1	Dibromochloromethane	ND	0.032	0.0015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0063	0.0035	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.032	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.032	0.0014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.032	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.032	0.0022	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.032	0.0020	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0063	0.0020	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.032	0.0018	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.032	0.0013	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.032	0.0027	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.032	0.0028	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.032	0.0014	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.032	0.0017	mg/kg	
100-41-4	Ethylbenzene	ND	0.0063	0.0011	mg/kg	
76-13-1	Freon 113	ND	0.032	0.0027	mg/kg	
591-78-6	2-Hexanone	ND	0.032	0.011	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:	282-PE-45		
Lab Sample ID:	JB67744-13	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	27.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.032	0.00093	mg/kg	
79-20-9	Methyl Acetate	ND	0.032	0.011	mg/kg	
108-87-2	Methylcyclohexane	ND	0.032	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0063	0.0022	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.032	0.0083	mg/kg	
75-09-2	Methylene chloride	ND	0.032	0.011	mg/kg	
100-42-5	Styrene	ND	0.032	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.032	0.0022	mg/kg	
127-18-4	Tetrachloroethene	ND	0.032	0.0026	mg/kg	
108-88-3	Toluene	ND	0.0063	0.00090	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.032	0.0013	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.032	0.0011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.032	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.032	0.0052	mg/kg	
79-01-6	Trichloroethene	ND	0.032	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.032	0.0014	mg/kg	
75-01-4	Vinyl chloride	ND	0.032	0.0022	mg/kg	
	m,p-Xylene	ND	0.0063	0.0031	mg/kg	
95-47-6	o-Xylene	ND	0.0063	0.0011	mg/kg	
1330-20-7	Xylene (total)	ND	0.0063	0.0011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		59-130%
17060-07-0	1,2-Dichloroethane-D4	110%		65-123%
2037-26-5	Toluene-D8	115%		77-125%
460-00-4	4-Bromofluorobenzene	121%		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:	282-PE-45		
Lab Sample ID:	JB67744-13	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P7564.D	1	05/30/14	AR	05/28/14	OP75136	E6P320
Run #2							

	Initial Weight	Final Volume
Run #1	31.6 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	0.23	0.12	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.58	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.58	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.58	0.19	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	2.3	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2.3	0.14	mg/kg	
95-48-7	2-Methylphenol	ND	0.23	0.13	mg/kg	
	3&4-Methylphenol	ND	0.23	0.15	mg/kg	
88-75-5	2-Nitrophenol	ND	0.58	0.12	mg/kg	
100-02-7	4-Nitrophenol	ND	1.2	0.20	mg/kg	
87-86-5	Pentachlorophenol	ND	1.2	0.20	mg/kg	
108-95-2	Phenol	ND	0.23	0.12	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.58	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.58	0.13	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.58	0.11	mg/kg	
83-32-9	Acenaphthene	ND	0.12	0.034	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	0.037	mg/kg	
98-86-2	Acetophenone	ND	0.58	0.020	mg/kg	
120-12-7	Anthracene	ND	0.12	0.041	mg/kg	
1912-24-9	Atrazine	ND	0.23	0.023	mg/kg	
56-55-3	Benzo(a)anthracene	0.0595	0.12	0.038	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0478	0.12	0.035	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0519	0.12	0.039	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.0499	0.12	0.043	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.12	0.044	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.23	0.042	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.23	0.067	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.23	0.013	mg/kg	
100-52-7	Benzaldehyde	ND	0.58	0.027	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.23	0.036	mg/kg	
106-47-8	4-Chloroaniline	ND	0.58	0.037	mg/kg	
86-74-8	Carbazole	ND	0.23	0.054	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:	282-PE-45		
Lab Sample ID:	JB67744-13	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.3
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	0.23	0.037	mg/kg	
218-01-9	Chrysene	0.0614	0.12	0.039	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.23	0.047	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.23	0.035	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.23	0.034	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.23	0.035	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.12	0.051	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.12	0.044	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.23	0.029	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	0.075	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	0.040	mg/kg	
132-64-9	Dibenzofuran	ND	0.23	0.034	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.23	0.026	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.23	0.056	mg/kg	
84-66-2	Diethyl phthalate	ND	0.23	0.040	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.23	0.041	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.23	0.10	mg/kg	
206-44-0	Fluoranthene	ND	0.12	0.051	mg/kg	
86-73-7	Fluorene	ND	0.12	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.23	0.038	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.12	0.032	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.2	0.12	mg/kg	
67-72-1	Hexachloroethane	ND	0.58	0.032	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.12	0.040	mg/kg	
78-59-1	Isophorone	ND	0.23	0.031	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.23	0.065	mg/kg	
88-74-4	2-Nitroaniline	ND	0.58	0.051	mg/kg	
99-09-2	3-Nitroaniline	ND	0.58	0.046	mg/kg	
100-01-6	4-Nitroaniline	ND	0.58	0.045	mg/kg	
91-20-3	Naphthalene	ND	0.12	0.032	mg/kg	
98-95-3	Nitrobenzene	ND	0.23	0.034	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.23	0.028	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.58	0.069	mg/kg	
85-01-8	Phenanthrene	ND	0.12	0.053	mg/kg	
129-00-0	Pyrene	ND	0.12	0.045	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.58	0.036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		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:	282-PE-45		
Lab Sample ID:	JB67744-13	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	27.3
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	69%		15-110%
118-79-6	2,4,6-Tribromophenol	86%		20-123%
4165-60-0	Nitrobenzene-d5	71%		10-110%
321-60-8	2-Fluorobiphenyl	76%		17-110%
1718-51-0	Terphenyl-d14	65%		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: 282-PE-45
Lab Sample ID: JB67744-13
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 27.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	19200	50	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.81 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	7.0	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	43.0	20	0.080	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.0	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.32 B	0.50	0.050	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	4240	500	3.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	29.9	1.0	0.070	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	10.0	5.0	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	16.0	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	26300	50	0.96	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	25.9	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	6480	500	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	259	1.5	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.025 B	0.11	0.025	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	27.6	4.0	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	4010	1000	4.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	1.2 B	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.77	0.50	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	2330	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.79 B	1.0	0.41	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	51.2	5.0	0.090	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	64.3	2.0	0.38	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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:	283-PE-49		
Lab Sample ID:	JB67744-14	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	56.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11253.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.203	0.020	0.0090	mg/kg	
71-43-2	Benzene	ND	0.0020	0.00025	mg/kg	
74-97-5	Bromochloromethane	ND	0.0099	0.0010	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0099	0.00055	mg/kg	
75-25-2	Bromoform	ND	0.0099	0.00052	mg/kg	
74-83-9	Bromomethane	ND	0.0099	0.00095	mg/kg	
78-93-3	2-Butanone (MEK)	0.0538	0.020	0.0087	mg/kg	
75-15-0	Carbon disulfide	0.0093	0.0099	0.00028	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0099	0.00049	mg/kg	
108-90-7	Chlorobenzene	ND	0.0099	0.00039	mg/kg	
75-00-3	Chloroethane	ND	0.0099	0.0020	mg/kg	
67-66-3	Chloroform	ND	0.0099	0.00050	mg/kg	
74-87-3	Chloromethane	ND	0.0099	0.00068	mg/kg	
110-82-7	Cyclohexane	ND	0.0099	0.00051	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.020	0.0026	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0099	0.00048	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0020	0.0011	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0099	0.00067	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0099	0.00043	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0099	0.00049	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0099	0.00070	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0099	0.00062	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0020	0.00063	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0099	0.00057	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0099	0.00041	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0099	0.00083	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0099	0.00086	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0099	0.00045	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0099	0.00053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00034	mg/kg	
76-13-1	Freon 113	ND	0.0099	0.00086	mg/kg	
591-78-6	2-Hexanone	ND	0.0099	0.0035	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:	283-PE-49		
Lab Sample ID:	JB67744-14	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	56.4
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	0.0099	0.00029	mg/kg	
79-20-9	Methyl Acetate	ND	0.0099	0.0033	mg/kg	
108-87-2	Methylcyclohexane	0.0022	0.0099	0.00032	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0020	0.00068	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0099	0.0026	mg/kg	
75-09-2	Methylene chloride	0.0035	0.0099	0.0033	mg/kg	J
100-42-5	Styrene	ND	0.0099	0.00046	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0099	0.00067	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0099	0.00081	mg/kg	
108-88-3	Toluene	0.00061	0.0020	0.00028	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0099	0.00041	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0099	0.00036	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0099	0.00057	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0099	0.0016	mg/kg	
79-01-6	Trichloroethene	ND	0.0099	0.00069	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0099	0.00044	mg/kg	
75-01-4	Vinyl chloride	ND	0.0099	0.00067	mg/kg	
	m,p-Xylene	ND	0.0020	0.00095	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00035	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.00035	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		59-130%
17060-07-0	1,2-Dichloroethane-D4	108%		65-123%
2037-26-5	Toluene-D8	116%		77-125%
460-00-4	4-Bromofluorobenzene	124%		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:	283-PE-49		
Lab Sample ID:	JB67744-14	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	56.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P7565.D	1	05/30/14	AR	05/28/14	OP75136	E6P320
Run #2							

	Initial Weight	Final Volume
Run #1	32.8 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	0.11	0.054	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.27	0.054	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.27	0.087	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.27	0.091	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.066	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.066	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.062	mg/kg	
	3&4-Methylphenol	ND	0.11	0.069	mg/kg	
88-75-5	2-Nitrophenol	ND	0.27	0.057	mg/kg	
100-02-7	4-Nitrophenol	ND	0.54	0.091	mg/kg	
87-86-5	Pentachlorophenol	ND	0.54	0.092	mg/kg	
108-95-2	Phenol	ND	0.11	0.057	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.27	0.056	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.27	0.063	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.27	0.051	mg/kg	
83-32-9	Acenaphthene	ND	0.054	0.016	mg/kg	
208-96-8	Acenaphthylene	ND	0.054	0.017	mg/kg	
98-86-2	Acetophenone	ND	0.27	0.0095	mg/kg	
120-12-7	Anthracene	ND	0.054	0.019	mg/kg	
1912-24-9	Atrazine	ND	0.11	0.011	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.054	0.018	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.054	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.054	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.054	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.11	0.020	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.11	0.031	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.11	0.0063	mg/kg	
100-52-7	Benzaldehyde	ND	0.27	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.017	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:	283-PE-49		
Lab Sample ID:	JB67744-14	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	56.4
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	0.054	0.018	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.11	0.022	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	0.054	0.024	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.054	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.11	0.014	mg/kg	
123-91-1	1,4-Dioxane	ND	0.054	0.035	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.054	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	0.048	mg/kg	
206-44-0	Fluoranthene	0.0335	0.054	0.024	mg/kg	J
86-73-7	Fluorene	ND	0.054	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.11	0.018	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.054	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.54	0.055	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	0.015	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.054	0.019	mg/kg	
78-59-1	Isophorone	ND	0.11	0.015	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	0.030	mg/kg	
88-74-4	2-Nitroaniline	ND	0.27	0.024	mg/kg	
99-09-2	3-Nitroaniline	ND	0.27	0.022	mg/kg	
100-01-6	4-Nitroaniline	ND	0.27	0.021	mg/kg	
91-20-3	Naphthalene	ND	0.054	0.015	mg/kg	
98-95-3	Nitrobenzene	ND	0.11	0.016	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	0.054	0.025	mg/kg	
129-00-0	Pyrene	0.0340	0.054	0.021	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.27	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		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:	283-PE-49		
Lab Sample ID:	JB67744-14	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	56.4
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	69%		15-110%
118-79-6	2,4,6-Tribromophenol	91%		20-123%
4165-60-0	Nitrobenzene-d5	71%		10-110%
321-60-8	2-Fluorobiphenyl	77%		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

Report of Analysis

Client Sample ID: 283-PE-49
Lab Sample ID: JB67744-14
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 56.4

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	17600	50	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.53 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	12.7	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	60.0	20	0.080	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.99	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.30 B	0.50	0.050	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	3270	500	3.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	28.8	1.0	0.070	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	12.0	5.0	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	16.7	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	26000	50	0.96	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	40.5	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	5390	500	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	283	1.5	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.083	0.052	0.012	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	31.3	4.0	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	3330	1000	4.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.86 B	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.63	0.50	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	744 B	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.41 U	1.0	0.41	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	42.3	5.0	0.090	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	63.4	2.0	0.38	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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:	284-PE-56		
Lab Sample ID:	JB67744-15	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	55.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11254.D	1	05/28/14	TDN	n/a	n/a	V3V477
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.176	0.016	0.0074	mg/kg	
71-43-2	Benzene	ND	0.0016	0.00020	mg/kg	
74-97-5	Bromochloromethane	ND	0.0081	0.00084	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0081	0.00046	mg/kg	
75-25-2	Bromoform	ND	0.0081	0.00043	mg/kg	
74-83-9	Bromomethane	ND	0.0081	0.00078	mg/kg	
78-93-3	2-Butanone (MEK)	0.0444	0.016	0.0072	mg/kg	
75-15-0	Carbon disulfide	0.0078	0.0081	0.00023	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0081	0.00041	mg/kg	
108-90-7	Chlorobenzene	ND	0.0081	0.00032	mg/kg	
75-00-3	Chloroethane	ND	0.0081	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.0081	0.00041	mg/kg	
74-87-3	Chloromethane	ND	0.0081	0.00056	mg/kg	
110-82-7	Cyclohexane	ND	0.0081	0.00042	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.016	0.0022	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0081	0.00039	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0016	0.00089	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0081	0.00055	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0081	0.00035	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0081	0.00041	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0081	0.00057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0081	0.00051	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0016	0.00052	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0081	0.00047	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0081	0.00034	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0081	0.00069	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0081	0.00071	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0081	0.00037	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0081	0.00044	mg/kg	
100-41-4	Ethylbenzene	ND	0.0016	0.00028	mg/kg	
76-13-1	Freon 113	ND	0.0081	0.00071	mg/kg	
591-78-6	2-Hexanone	ND	0.0081	0.0029	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:	284-PE-56		
Lab Sample ID:	JB67744-15	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260C	**Percent Solids:**	55.9
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	0.0081	0.00024	mg/kg	
79-20-9	Methyl Acetate	ND	0.0081	0.0027	mg/kg	
108-87-2	Methylcyclohexane	0.0011	0.0081	0.00027	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0016	0.00056	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0081	0.0021	mg/kg	
75-09-2	Methylene chloride	ND	0.0081	0.0028	mg/kg	
100-42-5	Styrene	ND	0.0081	0.00038	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0081	0.00056	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0081	0.00067	mg/kg	
108-88-3	Toluene	ND	0.0016	0.00023	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0081	0.00034	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0081	0.00029	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0081	0.00047	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0081	0.0013	mg/kg	
79-01-6	Trichloroethene	ND	0.0081	0.00057	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0081	0.00037	mg/kg	
75-01-4	Vinyl chloride	ND	0.0081	0.00056	mg/kg	
	m,p-Xylene	ND	0.0016	0.00079	mg/kg	
95-47-6	o-Xylene	ND	0.0016	0.00029	mg/kg	
1330-20-7	Xylene (total)	ND	0.0016	0.00029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		59-130%
17060-07-0	1,2-Dichloroethane-D4	111%		65-123%
2037-26-5	Toluene-D8	115%		77-125%
460-00-4	4-Bromofluorobenzene	123%		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:	284-PE-56		
Lab Sample ID:	JB67744-15	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	55.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P7566.D	1	05/30/14	AR	05/28/14	OP75136	E6P320
Run #2							

	Initial Weight	Final Volume
Run #1	32.7 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	0.055	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.27	0.055	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.27	0.088	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.27	0.092	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.067	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.062	mg/kg	
	3&4-Methylphenol	ND	0.11	0.069	mg/kg	
88-75-5	2-Nitrophenol	ND	0.27	0.058	mg/kg	
100-02-7	4-Nitrophenol	ND	0.55	0.092	mg/kg	
87-86-5	Pentachlorophenol	ND	0.55	0.094	mg/kg	
108-95-2	Phenol	ND	0.11	0.057	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.27	0.056	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.27	0.063	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.27	0.051	mg/kg	
83-32-9	Acenaphthene	ND	0.055	0.016	mg/kg	
208-96-8	Acenaphthylene	ND	0.055	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.27	0.0096	mg/kg	
120-12-7	Anthracene	ND	0.055	0.019	mg/kg	
1912-24-9	Atrazine	ND	0.11	0.011	mg/kg	
56-55-3	Benzo(a)anthracene	0.0273	0.055	0.018	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0230	0.055	0.017	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0276	0.055	0.018	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	0.055	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.055	0.021	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.11	0.020	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.11	0.032	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.11	0.0063	mg/kg	
100-52-7	Benzaldehyde	ND	0.27	0.013	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.017	mg/kg	
106-47-8	4-Chloroaniline	ND	0.27	0.018	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:	284-PE-56		
Lab Sample ID:	JB67744-15	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	55.9
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	0.11	0.017	mg/kg	
218-01-9	Chrysene	0.0313	0.055	0.018	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.11	0.022	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	0.055	0.024	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.055	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.11	0.014	mg/kg	
123-91-1	1,4-Dioxane	ND	0.055	0.036	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.055	0.019	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	0.027	mg/kg	
84-66-2	Diethyl phthalate	ND	0.11	0.019	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.11	0.019	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.11	0.048	mg/kg	
206-44-0	Fluoranthene	0.0610	0.055	0.024	mg/kg	
86-73-7	Fluorene	ND	0.055	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.11	0.018	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.055	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.55	0.056	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	0.015	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.055	0.019	mg/kg	
78-59-1	Isophorone	ND	0.11	0.015	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	0.031	mg/kg	
88-74-4	2-Nitroaniline	ND	0.27	0.024	mg/kg	
99-09-2	3-Nitroaniline	ND	0.27	0.022	mg/kg	
100-01-6	4-Nitroaniline	ND	0.27	0.021	mg/kg	
91-20-3	Naphthalene	ND	0.055	0.015	mg/kg	
98-95-3	Nitrobenzene	ND	0.11	0.016	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	0.033	mg/kg	
85-01-8	Phenanthrene	0.0410	0.055	0.025	mg/kg	J
129-00-0	Pyrene	0.0557	0.055	0.021	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.27	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		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:	284-PE-56		
Lab Sample ID:	JB67744-15	**Date Sampled:**	05/23/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	55.9
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	53%		15-110%
118-79-6	2,4,6-Tribromophenol	66%		20-123%
4165-60-0	Nitrobenzene-d5	52%		10-110%
321-60-8	2-Fluorobiphenyl	59%		17-110%
1718-51-0	Terphenyl-d14	64%		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: 284-PE-56
Lab Sample ID: JB67744-15
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/23/14
Date Received: 05/23/14
Percent Solids: 55.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15700	50	1.3	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.54 B	2.0	0.27	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Arsenic	8.5	2.0	0.29	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Barium	64.1	20	0.080	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.79	0.20	0.020	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.14 B	0.50	0.050	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Calcium	3370	500	3.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Chromium	32.1	1.0	0.070	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Cobalt	7.8	5.0	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Copper	21.1	2.5	0.15	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Iron	24500	50	0.96	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Lead	46.0	2.0	0.21	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Magnesium	5370	500	3.4	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Manganese	223	1.5	0.060	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.17	0.055	0.012	mg/kg	1	06/05/14	06/05/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	30.5	4.0	0.10	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Potassium	3320	1000	4.0	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.61 B	2.0	0.33	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Silver	0.73	0.50	0.14	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Sodium	775 B	1000	1.9	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.41 U	1.0	0.41	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Vanadium	38.4	5.0	0.090	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]
Zinc	59.8	2.0	0.38	mg/kg	1	05/29/14	05/31/14	RR	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34133
(2) Instrument QC Batch: MA34169
(3) Prep QC Batch: MP79752
(4) Prep QC Batch: MP79882

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

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

WTB
WFB
SLL

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 #: JB67744

Client / Reporting Information

Company Name: Langan
Street Address: 619 River Drive
City: Elmwood Park State: NJ Zip: 07407
Project Contact: McMahon E-mail: emcmahon@langan.com
Phone #: 201-794-6900 Fax #:
Sampler(s) Name(s): Christmas Madsen Phone #:

Project Information

Project Name: Bond Street 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

D.I. slurry voc vials frozen storage
Date: 5/23/14 Time: 21:25 Initials: DG

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	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	Metals	LAB USE ONLY
1	272-PE-S4	—	5/22/14	0910	CM	S	5					2	2	1		X	X	X	E17
2	273-PE-S1	—	5/22/14	0915	CM	S	5					2	2	1		X	X	X	A8
3	274-~~PE~~ DUP-2	—	5/22/14	—	CM	S	5					2	2	1		X	X	X	V463
4	275-PE-S5	—	5/22/14	0940	CM	S	5					2	2	1		X	X	X	
5	276-DEC-1	—	5/22/14	1220	CM	S	5					2	2	1		X	X	X	059
6	277-FB-4	—	5/22/14	1400	CM		6	3		1		2				X	X	X	P3
7	278-TB-4	—	—	—	CM		2	2								X			14K1
8	279-PE-47	—	5/23/14	0800	CM		5					2	2	1		X	X	X	40122
9	280-PE-48	—	5/23/14	0830	CM		5					2	2	1		X	X	X	
10	285-PE-46	—	5/23/14	1445	CM		6	3		1		2				X	X	X	
11	286-FB-5	—	5/23/14	1520	CM							2	2	1		X	X	X	

Turnaround Time (Business days)

- [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

Approved By (Accutest PM): / Date:

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
- [ ] EDD Format
- [ ] Other

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

Comments / Special Instructions

electronic copies only please

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	Christmas Madsen	5/23/14 1535	1	2	5/23/14 18:45	2
2	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not intact	Preserved where applicable	On Ice	Cooler Temp.
			5					4.0c

3A-N/A

D.G

JB67744: Chain of Custody
Page 1 of 4

CHAIN OF CUSTODY

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 #: JB67744

Client / Reporting Information

Company Name: LANGAN
Street Address: 619 RIVER DRIVE
City: Elmwood Park State: NJ Zip: 07407
Project Contact: McMAHON E-mail:
Phone #: 201-794-6900 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

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

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	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
12	281 DEC-2		5/23/14	955												
13	282 PE-45		5/23/14	11:45												
14	283 - PE - 49		5/23/14	1230												
15	284 - PE - 56		5/23/14	1246												

Turnaround Time (Business days)

- [ ] 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

Approved By (Accutest PM): / Date:

Data Deliverable Information

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

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

Comments / Special Instructions

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		1	2	5-23-14 18:45	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [ ] On Ice [ ] Cooler Temp.

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB67744 **Client:** LANGAN **Project:** BOND STREET REDEVELOPMENT

Date / Time Received: 5/23/2014 **Delivery Method:** Other Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (4/3.7); 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	1	

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 -12 THRU -15 NO ANALYSIS REQUESTED

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB67744: Chain of Custody
Page 3 of 4

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB67744 **Initiator:** MIKHAILB

CSR: Sasha May **Response Date:** 5/28/2014

Response: -12 thru -15. Samples are to be run for VC8260TCL20, AB8270TCL20 and MTAL per Christine Madsen

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67744

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67744-1	Collected: 22-MAY-14 09:10 By: CM			Received: 23-MAY-14	By: MB	
272-PE-54						
JB67744-1	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-1	SW846 8270D	28-MAY-14 01:05	AD	27-MAY-14	TM	AB8270TCL20
JB67744-1	SW846 8260C	28-MAY-14 13:14	TDN			VC8260TCL20
JB67744-1	SW846 6010C	31-MAY-14 00:49	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-1	SW846 7471B	05-JUN-14 12:16	DP	05-JUN-14	DP	HG
JB67744-2	Collected: 22-MAY-14 09:15 By: CM			Received: 23-MAY-14	By: MB	
273-PE-51						
JB67744-2	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-2	SW846 8270D	28-MAY-14 01:31	AD	27-MAY-14	TM	AB8270TCL20
JB67744-2	SW846 8260C	28-MAY-14 11:54	TDN			VC8260TCL20
JB67744-2	SW846 6010C	31-MAY-14 00:55	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-2	SW846 7471B	05-JUN-14 12:17	DP	05-JUN-14	DP	HG
JB67744-3	Collected: 22-MAY-14 00:00 By: CM			Received: 23-MAY-14	By: MB	
274-DUP-2						
JB67744-3	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-3	SW846 8270D	28-MAY-14 01:57	AD	27-MAY-14	TM	AB8270TCL20
JB67744-3	SW846 8260C	28-MAY-14 12:21	TDN			VC8260TCL20
JB67744-3	SW846 6010C	31-MAY-14 01:02	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-3	SW846 7471B	05-JUN-14 12:19	DP	05-JUN-14	DP	HG
JB67744-4	Collected: 22-MAY-14 09:40 By: CM			Received: 23-MAY-14	By: MB	
275-PE-55						
JB67744-4	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-4	SW846 8270D	28-MAY-14 02:22	AD	27-MAY-14	TM	AB8270TCL20
JB67744-4	SW846 8260C	28-MAY-14 12:48	TDN			VC8260TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67744

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67744-4	SW846 6010C	31-MAY-14 01:08	RR	29-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, V, ZN
JB67744-4	SW846 6010C	02-JUN-14 18:31	RR	29-MAY-14	WWZ	TL
JB67744-4	SW846 7471B	05-JUN-14 12:20	DP	05-JUN-14	DP	HG
JB67744-5 276-DEC-1	Collected: 22-MAY-14 12:20 By: CM			Received: 23-MAY-14 By: MB		
JB67744-5	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-5	SW846 8270D	28-MAY-14 02:48	AD	27-MAY-14	TM	AB8270TCL20
JB67744-5	SW846 8260C	28-MAY-14 17:42	TDN			VC8260TCL20
JB67744-5	SW846 6010C	31-MAY-14 01:14	RR	29-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN
JB67744-5	SW846 7471B	05-JUN-14 13:19	DP	05-JUN-14	DP	HG
JB67744-6 277-FB-4	Collected: 22-MAY-14 14:00 By: CM			Received: 23-MAY-14 By: MB		
JB67744-6	SW846 8270D	29-MAY-14 07:10	AD	27-MAY-14	SP	AB8270TCL20
JB67744-6	SW846 6010C	29-MAY-14 21:19	GT	28-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN
JB67744-6	SW846 8260C	30-MAY-14 18:10	MD			VC8260TCL20
JB67744-6	SW846 7470A	03-JUN-14 12:38	JW	03-JUN-14	JW	HG
JB67744-7 278-TB-4	Collected: 23-MAY-14 15:20 By: CM			Received: 23-MAY-14 By: MB		
JB67744-7	SW846 8260C	30-MAY-14 18:38	MD			VC8260TCL20
JB67744-8 279-PE-47	Collected: 23-MAY-14 08:00 By: CM			Received: 23-MAY-14 By: MB		
JB67744-8	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-8	SW846 8270D	28-MAY-14 03:14	AD	27-MAY-14	TM	AB8270TCL20
JB67744-8	SW846 8260C	28-MAY-14 15:01	TDN			VC8260TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67744

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67744-8	SW846 6010C	31-MAY-14 01:20	RR	29-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN
JB67744-8	SW846 7471B	05-JUN-14 12:23	DP	05-JUN-14	DP	HG
JB67744-9	Collected: 23-MAY-14 08:30 By: CM			Received: 23-MAY-14 By: MB		
280-PE-48						
JB67744-9	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-9	SW846 8270D	28-MAY-14 03:39	AD	27-MAY-14	TM	AB8270TCL20
JB67744-9	SW846 8260C	28-MAY-14 15:27	TDN			VC8260TCL20
JB67744-9	SW846 6010C	31-MAY-14 01:38	RR	29-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN
JB67744-9	SW846 7471B	05-JUN-14 12:24	DP	05-JUN-14	DP	HG
JB67744-10	Collected: 23-MAY-14 14:45 By: CM			Received: 23-MAY-14 By: MB		
285-PE-46						
JB67744-10	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-10	SW846 8270D	28-MAY-14 04:05	AD	27-MAY-14	TM	AB8270TCL20
JB67744-10	SW846 8260C	28-MAY-14 15:54	TDN			VC8260TCL20
JB67744-10	SW846 6010C	31-MAY-14 01:45	RR	29-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN
JB67744-10	SW846 7471B	05-JUN-14 12:29	DP	05-JUN-14	DP	HG
JB67744-11	Collected: 23-MAY-14 15:20 By: CM			Received: 23-MAY-14 By: MB		
286-FB-5						
JB67744-11	SW846 8270D	29-MAY-14 07:35	AD	27-MAY-14	SP	AB8270TCL20
JB67744-11	SW846 6010C	29-MAY-14 21:25	GT	28-MAY-14	WWZ	AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN
JB67744-11	SW846 8260C	30-MAY-14 19:06	MD			VC8260TCL20
JB67744-11	SW846 7470A	03-JUN-14 12:40	JW	03-JUN-14	JW	HG
JB67744-12	Collected: 23-MAY-14 09:55 By: CM			Received: 23-MAY-14 By: MB		
281-DEC-2						

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67744

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67744-12	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-12	SW846 8260C	28-MAY-14 18:08	TDN			VC8260TCL20
JB67744-12	SW846 8270D	29-MAY-14 21:05	AR	28-MAY-14	NP	AB8270TCL20
JB67744-12	SW846 6010C	31-MAY-14 01:51	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-12	SW846 7471B	05-JUN-14 12:30	DP	05-JUN-14	DP	HG
JB67744-13	Collected: 23-MAY-14 11:45 By: CM		Received: 23-MAY-14 By: MB			
282-PE-45						
JB67744-13	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-13	SW846 8260C	28-MAY-14 16:21	TDN			VC8260TCL20
JB67744-13	SW846 8270D	30-MAY-14 22:24	AR	28-MAY-14	NP	AB8270TCL20
JB67744-13	SW846 6010C	31-MAY-14 01:57	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-13	SW846 7471B	05-JUN-14 12:31	DP	05-JUN-14	DP	HG
JB67744-14	Collected: 23-MAY-14 12:30 By: CM		Received: 23-MAY-14 By: MB			
283-PE-49						
JB67744-14	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-14	SW846 8260C	28-MAY-14 16:47	TDN			VC8260TCL20
JB67744-14	SW846 8270D	30-MAY-14 22:53	AR	28-MAY-14	NP	AB8270TCL20
JB67744-14	SW846 6010C	31-MAY-14 02:03	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-14	SW846 7471B	05-JUN-14 12:33	DP	05-JUN-14	DP	HG
JB67744-15	Collected: 23-MAY-14 12:40 By: CM		Received: 23-MAY-14 By: MB			
284-PE-56						
JB67744-15	SM2540 G-97	27-MAY-14 16:00	AA			%SOL
JB67744-15	SW846 8260C	28-MAY-14 17:15	TDN			VC8260TCL20
JB67744-15	SW846 8270D	30-MAY-14 23:21	AR	28-MAY-14	NP	AB8270TCL20
JB67744-15	SW846 6010C	31-MAY-14 02:09	RR	29-MAY-14	WWZ	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67744-15	SW846 7471B	05-JUN-14 12:34	DP	05-JUN-14	DP	HG

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-1.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-1.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-1.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-1.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-1.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-1.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-1.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-1.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-1.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-1.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-1.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-1.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-1.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-1.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-1.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-1.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-1.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-1.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-1.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-1.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-1.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-1.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-1.1
JB67744-1.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-1.1
JB67744-1.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-1.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-1.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-1.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-1.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-1.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-1.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-1.1
JB67744-1.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-1.1
JB67744-1.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-1.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-1.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-1.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-1.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-1.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-1.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-1.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-1.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-1.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-1.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-1.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-1.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-1.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-1.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-1.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-2.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-2.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-2.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-2.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-2.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-2.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-2.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-2.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-2.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-2.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-2.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-2.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-2.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-2.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-2.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-2.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-2.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-2.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-2.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-2.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-2.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-2.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-2.1
JB67744-2.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-2.1
JB67744-2.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-2.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-2.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-2.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-2.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-2.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-2.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-2.1
JB67744-2.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-2.1
JB67744-2.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-2.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-2.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-2.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-2.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-2.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-2.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-2.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-2.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-2.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-2.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-2.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-2.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-2.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-2.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-2.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-2.5	Secured Storage	Thien Nguyen	05/28/14 13:15	Retrieve from Storage
JB67744-2.5	Thien Nguyen	GCMS3V	05/28/14 13:15	Load on Instrument
JB67744-2.5	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-2.5	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-2.5	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-3.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-3.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-3.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-3.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-3.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-3.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-3.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-3.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-3.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-3.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-3.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-3.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-3.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-3.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-3.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-3.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-3.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-3.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-3.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-3.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-3.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-3.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-3.1
JB67744-3.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-3.1
JB67744-3.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-3.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-3.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-3.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-3.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-3.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-3.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-3.1
JB67744-3.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-3.1
JB67744-3.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-3.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-3.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-3.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-3.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-3.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-3.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-3.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-3.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-3.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-3.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-3.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-3.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-3.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-3.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-3.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-3.5	Secured Storage	Thien Nguyen	05/28/14 13:15	Retrieve from Storage
JB67744-3.5	Thien Nguyen	GCMS3V	05/28/14 13:15	Load on Instrument
JB67744-3.5	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-3.5	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-3.5	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-4.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-4.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-4.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-4.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-4.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-4.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-4.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-4.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-4.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-4.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-4.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-4.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-4.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-4.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-4.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-4.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-4.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-4.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-4.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-4.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-4.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-4.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-4.1
JB67744-4.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-4.1
JB67744-4.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-4.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-4.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-4.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-4.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-4.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-4.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-4.1
JB67744-4.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-4.1
JB67744-4.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-4.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-4.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-4.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-4.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-4.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-4.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-4.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-4.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-4.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-4.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-4.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-4.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-4.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-4.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-4.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-5.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-5.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-5.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-5.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-5.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-5.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-5.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-5.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-5.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-5.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-5.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-5.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-5.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-5.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-5.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-5.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-5.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-5.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-5.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-5.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-5.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-5.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-5.1
JB67744-5.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-5.1
JB67744-5.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-5.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-5.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-5.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-5.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-5.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-5.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-5.1
JB67744-5.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-5.1
JB67744-5.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-5.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-5.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-5.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-5.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-5.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-5.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-5.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-5.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-5.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-5.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-5.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-5.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-5.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-5.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-5.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-6.1	Secured Storage	Gage Donahue	05/27/14 12:37	Retrieve from Storage
JB67744-6.1	Gage Donahue	Secured Staging Area	05/27/14 12:37	Return to Storage
JB67744-6.1	Secured Staging Area	Sheila Kore	05/27/14 14:19	Retrieve from Storage
JB67744-6.1	Sheila Kore		05/27/14 21:45	Depleted
JB67744-6.1.1	Sheila Kore	Organics Prep	05/27/14 14:20	Extract from JB67744-6.1
JB67744-6.1.1	Organics Prep	Seleb Pan	05/28/14 02:28	Extract from JB67744-6.1
JB67744-6.1.1	Seleb Pan	Extract Storage	05/28/14 02:28	Return to Storage
JB67744-6.1.1	Extract Storage	Andrew Lee Smith	05/29/14 00:45	Retrieve from Storage
JB67744-6.1.1	Andrew Lee Smith	GCMSZ	05/29/14 00:45	Load on Instrument
JB67744-6.1.1	GCMSZ	Harpreet Kaur	06/07/14 13:12	Unload from Instrument
JB67744-6.1.1	Harpreet Kaur	Extract Freezer	06/07/14 13:12	Return to Storage
JB67744-6.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-6.3	Secured Storage	Todd Shoemaker	05/28/14 14:35	Retrieve from Storage
JB67744-6.3	Todd Shoemaker	Secured Staging Area	05/28/14 14:36	Return to Storage
JB67744-6.3	Secured Staging Area	Michael Bunza	05/28/14 15:04	Retrieve from Storage
JB67744-6.3	Michael Bunza	Secured Storage	05/28/14 18:54	Return to Storage
JB67744-6.3	Secured Storage	Edwin Gonzalez	06/03/14 07:13	Retrieve from Storage
JB67744-6.3	Edwin Gonzalez	Secured Staging Area	06/03/14 07:13	Return to Storage
JB67744-6.3	Secured Staging Area	Jieyu Wang	06/03/14 09:25	Retrieve from Storage
JB67744-6.3	Jieyu Wang	Secured Storage	06/03/14 15:03	Return to Storage
JB67744-6.3	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-6.3.1	Michael Bunza	Metals Digestion	05/28/14 18:50	Digestate from JB67744-6.3
JB67744-6.3.1	Metals Digestion	Michael Bunza	05/28/14 18:50	Digestate from JB67744-6.3
JB67744-6.3.1	Michael Bunza	Metals Digestate Storage	05/28/14 18:50	Return to Storage
JB67744-6.3.1	Metals Digestate Storage		08/04/14 09:00	Disposed
JB67744-6.4	Secured Storage	Robert Szot	05/30/14 16:10	Retrieve from Storage
JB67744-6.4	Robert Szot	GCMS1C	05/30/14 16:10	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-6.4	GCMS1C	Robert Szot	06/02/14 12:08	Unload from Instrument
JB67744-6.4	Robert Szot	Secured Storage	06/02/14 12:08	Return to Storage
JB67744-6.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-6.5	Secured Storage	Robert Szot	05/28/14 17:05	Retrieve from Storage
JB67744-6.5	Robert Szot	GCMS1C	05/28/14 17:05	Load on Instrument
JB67744-6.5	GCMS1C	Robert Szot	05/30/14 12:24	Unload from Instrument
JB67744-6.5	Robert Szot	Secured Storage	05/30/14 12:24	Return to Storage
JB67744-6.5	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-7.1	Secured Storage	Robert Szot	05/30/14 16:10	Retrieve from Storage
JB67744-7.1	Robert Szot	GCMS1C	05/30/14 16:10	Load on Instrument
JB67744-7.1	GCMS1C	Robert Szot	06/02/14 12:08	Unload from Instrument
JB67744-7.1	Robert Szot	Secured Storage	06/02/14 12:08	Return to Storage
JB67744-7.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-7.2	Secured Storage	Robert Szot	05/28/14 17:05	Retrieve from Storage
JB67744-7.2	Robert Szot	GCMS1C	05/28/14 17:05	Load on Instrument
JB67744-7.2	GCMS1C	Robert Szot	05/30/14 12:24	Unload from Instrument
JB67744-7.2	Robert Szot	Secured Storage	05/30/14 12:24	Return to Storage
JB67744-7.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-8.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-8.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-8.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-8.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-8.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-8.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-8.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-8.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-8.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-8.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-8.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-8.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-8.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-8.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-8.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-8.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-8.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-8.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-8.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-8.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-8.1	Shirley Grzybowski		06/30/14 09:21	Disposed

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-8.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-8.1
JB67744-8.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-8.1
JB67744-8.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-8.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-8.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-8.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-8.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-8.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-8.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-8.1
JB67744-8.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-8.1
JB67744-8.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-8.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-8.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-8.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-8.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-8.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-8.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-8.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-8.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-8.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-8.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-8.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-8.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-8.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-8.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-8.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-9.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-9.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-9.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-9.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer
JB67744-9.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-9.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-9.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-9.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-9.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-9.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-9.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-9.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage

Bottle was returned to secure storage, but inadvertently not scanned.

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-9.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-9.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-9.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-9.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-9.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-9.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-9.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-9.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-9.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-9.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-9.1
JB67744-9.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-9.1
JB67744-9.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-9.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-9.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-9.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-9.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-9.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-9.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-9.1
JB67744-9.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-9.1
JB67744-9.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-9.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-9.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-9.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-9.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-9.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-9.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-9.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-9.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-9.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-9.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-9.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-9.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-9.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-9.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-9.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-10.1	Secured Storage	Alfredo Crespo	05/27/14 07:42	Retrieve from Storage
JB67744-10.1	Alfredo Crespo	Secured Staging Area	05/27/14 07:42	Return to Storage
JB67744-10.1	Secured Staging Area	Kevin Nelson	05/27/14 07:49	Retrieve from Storage
JB67744-10.1	Kevin Nelson	Michale Salvatore	05/27/14 07:58	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-10.1	Michale Salvatore	Secured Storage	05/27/14 10:37	Return to Storage
JB67744-10.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-10.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-10.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-10.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-10.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-10.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-10.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-10.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-10.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-10.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-10.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-10.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-10.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-10.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-10.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-10.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-10.1.1	Michale Salvatore	Organics Prep	05/27/14 08:46	Extract from JB67744-10.1
JB67744-10.1.1	Organics Prep	Tin Marlar	05/27/14 16:06	Extract from JB67744-10.1
JB67744-10.1.1	Tin Marlar	Extract Storage	05/27/14 16:06	Return to Storage
JB67744-10.1.1	Extract Storage	Ashley Dye	05/27/14 23:32	Retrieve from Storage
JB67744-10.1.1	Ashley Dye	GCMS2M	05/27/14 23:32	Load on Instrument
JB67744-10.1.1	GCMS2M	Olga Azarihn	06/02/14 16:36	Unload from Instrument
JB67744-10.1.1	Olga Azarihn	Extract Freezer	06/02/14 16:36	Return to Storage
JB67744-10.1.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-10.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-10.1
JB67744-10.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-10.1
JB67744-10.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-10.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-10.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-10.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-10.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-10.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-10.2	Secured Storage	Gage Donahue	05/27/14 12:19	Retrieve from Storage
JB67744-10.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-10.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-10.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-10.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-10.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-10.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-10.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-10.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-10.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-11.2	Secured Storage	Gage Donahue	05/27/14 12:37	Retrieve from Storage
JB67744-11.2	Gage Donahue	Secured Staging Area	05/27/14 12:37	Return to Storage
JB67744-11.2	Secured Staging Area	Sheila Kore	05/27/14 14:19	Retrieve from Storage
JB67744-11.2	Sheila Kore		05/27/14 21:45	Depleted
JB67744-11.2.1	Sheila Kore	Organics Prep	05/27/14 14:20	Extract from JB67744-11.2
JB67744-11.2.1	Organics Prep	Seleb Pan	05/28/14 02:28	Extract from JB67744-11.2
JB67744-11.2.1	Seleb Pan	Extract Storage	05/28/14 02:28	Return to Storage
JB67744-11.2.1	Extract Storage	Andrew Lee Smith	05/29/14 00:45	Retrieve from Storage
JB67744-11.2.1	Andrew Lee Smith	GCMSZ	05/29/14 00:45	Load on Instrument
JB67744-11.2.1	GCMSZ	Harpreet Kaur	06/07/14 13:12	Unload from Instrument
JB67744-11.2.1	Harpreet Kaur	Extract Freezer	06/07/14 13:12	Return to Storage
JB67744-11.2.1	Extract Freezer		07/07/14 09:00	Disposed
JB67744-11.3	Secured Storage	Todd Shoemaker	05/28/14 14:35	Retrieve from Storage
JB67744-11.3	Todd Shoemaker	Secured Staging Area	05/28/14 14:36	Return to Storage
JB67744-11.3	Secured Staging Area	Michael Bunza	05/28/14 15:04	Retrieve from Storage
JB67744-11.3	Michael Bunza	Secured Storage	05/28/14 18:54	Return to Storage
JB67744-11.3	Secured Storage	Edwin Gonzalez	06/03/14 07:13	Retrieve from Storage
JB67744-11.3	Edwin Gonzalez	Secured Staging Area	06/03/14 07:13	Return to Storage
JB67744-11.3	Secured Staging Area	Jieyu Wang	06/03/14 09:25	Retrieve from Storage
JB67744-11.3	Jieyu Wang	Secured Storage	06/03/14 15:03	Return to Storage
JB67744-11.3	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-11.3.1	Michael Bunza	Metals Digestion	05/28/14 18:50	Digestate from JB67744-11.3
JB67744-11.3.1	Metals Digestion	Michael Bunza	05/28/14 18:50	Digestate from JB67744-11.3
JB67744-11.3.1	Michael Bunza	Metals Digestate Storage	05/28/14 18:50	Return to Storage
JB67744-11.3.1	Metals Digestate Storage		08/04/14 09:00	Disposed
JB67744-11.4	Secured Storage	Robert Szot	05/28/14 17:05	Retrieve from Storage
JB67744-11.4	Robert Szot	GCMS1C	05/28/14 17:05	Load on Instrument
JB67744-11.4	GCMS1C	Robert Szot	05/30/14 12:24	Unload from Instrument
JB67744-11.4	Robert Szot	Secured Storage	05/30/14 12:24	Return to Storage
JB67744-11.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-11.5	Secured Storage	Robert Szot	05/30/14 16:10	Retrieve from Storage
JB67744-11.5	Robert Szot	GCMS1C	05/30/14 16:10	Load on Instrument
JB67744-11.5	GCMS1C	Robert Szot	06/02/14 12:08	Unload from Instrument
JB67744-11.5	Robert Szot	Secured Storage	06/02/14 12:08	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-11.5	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-12.1	Secured Storage	Alfredo Crespo	05/28/14 07:22	Retrieve from Storage
JB67744-12.1	Alfredo Crespo	Secured Staging Area	05/28/14 07:22	Return to Storage
JB67744-12.1	Secured Staging Area	Mike Sikorsky	05/28/14 09:12	Retrieve from Storage
JB67744-12.1	Sophia Johnson-Worrell	Secured Storage	05/29/14 07:36	Return to Storage
Analyst unavailable for custody transfer.				
JB67744-12.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-12.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-12.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-12.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-12.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-12.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-12.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-12.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-12.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-12.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-12.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-12.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-12.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-12.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-12.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-12.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-12.1.1	Mike Sikorsky	Organics Prep	05/28/14 09:16	Extract from JB67744-12.1
JB67744-12.1.1	Organics Prep	Nikita Permiuov	05/28/14 22:39	Extract from JB67744-12.1
JB67744-12.1.1	Nikita Permiuov	Extract Storage	05/28/14 22:39	Return to Storage
JB67744-12.1.1	Extract Storage		07/08/14 09:00	Disposed
JB67744-12.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-12.1
JB67744-12.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-12.1
JB67744-12.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-12.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-12.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-12.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-12.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-12.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-12.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-12.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-12.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-12.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-12.2	Shirley Grzybowski		06/30/14 09:21	Disposed

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-12.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-12.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-12.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-12.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-12.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-13.1	Secured Storage	Alfredo Crespo	05/28/14 07:22	Retrieve from Storage
JB67744-13.1	Alfredo Crespo	Secured Staging Area	05/28/14 07:22	Return to Storage
JB67744-13.1	Secured Staging Area	Mike Sikorsky	05/28/14 09:12	Retrieve from Storage
JB67744-13.1	Sophia Johnson-Worrell	Secured Storage	05/29/14 07:36	Return to Storage
Analyst unavailable for custody transfer.				
JB67744-13.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-13.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-13.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-13.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-13.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-13.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-13.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-13.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-13.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-13.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-13.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-13.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-13.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-13.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-13.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-13.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-13.1.1	Mike Sikorsky	Organics Prep	05/28/14 09:16	Extract from JB67744-13.1
JB67744-13.1.1	Organics Prep	Nikita Permiuov	05/28/14 22:39	Extract from JB67744-13.1
JB67744-13.1.1	Nikita Permiuov	Extract Storage	05/28/14 22:39	Return to Storage
JB67744-13.1.1	Extract Storage		07/08/14 09:00	Disposed
JB67744-13.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-13.1
JB67744-13.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-13.1
JB67744-13.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-13.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-13.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-13.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-13.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-13.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-13.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-13.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-13.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-13.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-13.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-13.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-13.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-13.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-13.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-13.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-14.1	Secured Storage	Alfredo Crespo	05/28/14 07:22	Retrieve from Storage
JB67744-14.1	Alfredo Crespo	Secured Staging Area	05/28/14 07:22	Return to Storage
JB67744-14.1	Secured Staging Area	Mike Sikorsky	05/28/14 09:12	Retrieve from Storage
JB67744-14.1	Sophia Johnson-Worrell	Secured Storage	05/29/14 07:36	Return to Storage
Analyst unavailable for custody transfer.				
JB67744-14.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-14.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-14.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-14.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-14.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-14.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-14.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-14.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-14.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-14.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-14.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-14.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-14.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-14.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-14.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-14.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-14.1.1	Mike Sikorsky	Organics Prep	05/28/14 09:16	Extract from JB67744-14.1
JB67744-14.1.1	Organics Prep	Nikita Permiuov	05/28/14 22:39	Extract from JB67744-14.1
JB67744-14.1.1	Nikita Permiuov	Extract Storage	05/28/14 22:39	Return to Storage
JB67744-14.1.1	Extract Storage		07/08/14 09:00	Disposed
JB67744-14.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-14.1
JB67744-14.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-14.1
JB67744-14.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-14.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-14.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-14.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-14.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-14.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-14.2	Secured Storage	Gage Donahue	05/27/14 12:18	Retrieve from Storage
JB67744-14.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-14.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-14.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-14.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-14.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-14.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-14.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-14.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-14.4	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-15.1	Secured Storage	Alfredo Crespo	05/28/14 07:22	Retrieve from Storage
JB67744-15.1	Alfredo Crespo	Secured Staging Area	05/28/14 07:22	Return to Storage
JB67744-15.1	Secured Staging Area	Mike Sikorsky	05/28/14 09:12	Retrieve from Storage
JB67744-15.1	Sophia Johnson-Worrell	Secured Storage	05/29/14 07:36	Return to Storage
Analyst unavailable for custody transfer.				
JB67744-15.1	Secured Storage	Todd Shoemaker	05/29/14 14:44	Retrieve from Storage
JB67744-15.1	Todd Shoemaker	Secured Staging Area	05/29/14 14:44	Return to Storage
JB67744-15.1	Secured Staging Area	Juliana Franchetti	05/29/14 14:55	Retrieve from Storage
JB67744-15.1	Juliana Franchetti	Secured Storage	05/29/14 17:20	Return to Storage
JB67744-15.1	Secured Storage	Alfredo Crespo	06/03/14 07:19	Retrieve from Storage
JB67744-15.1	Alfredo Crespo	Secured Staging Area	06/03/14 07:20	Return to Storage
JB67744-15.1	Alfredo Crespo	Secured Storage	06/03/14 08:30	Return to Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67744-15.1	Secured Storage	Edwin Gonzalez	06/04/14 07:20	Retrieve from Storage
JB67744-15.1	Edwin Gonzalez	Secured Staging Area	06/04/14 07:20	Return to Storage
JB67744-15.1	Secured Staging Area	Darshananben Patel	06/04/14 08:27	Retrieve from Storage
JB67744-15.1	Darshananben Patel	Secured Storage	06/04/14 13:04	Return to Storage
JB67744-15.1	Secured Storage	Alfredo Crespo	06/05/14 07:30	Retrieve from Storage
JB67744-15.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:30	Return to Storage
JB67744-15.1	Secured Staging Area	Darshananben Patel	06/05/14 08:33	Retrieve from Storage
JB67744-15.1	Darshananben Patel	Secured Storage	06/05/14 13:14	Return to Storage
JB67744-15.1	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-15.1.1	Mike Sikorsky	Organics Prep	05/28/14 09:16	Extract from JB67744-15.1
JB67744-15.1.1	Organics Prep	Nikita Permiuov	05/28/14 22:39	Extract from JB67744-15.1
JB67744-15.1.1	Nikita Permiuov	Extract Storage	05/28/14 22:39	Return to Storage
JB67744-15.1.1	Extract Storage		07/08/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/23/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67744-15.1.2	Juliana Franchetti	Metals Digestion	05/29/14 17:20	Digestate from JB67744-15.1
JB67744-15.1.2	Metals Digestion	Juliana Franchetti	05/29/14 17:20	Digestate from JB67744-15.1
JB67744-15.1.2	Juliana Franchetti	Metals Digestate Storage	05/29/14 17:20	Return to Storage
JB67744-15.1.2	Metals Digestate Storage	Ryan Rebo	05/30/14 16:48	Retrieve from Storage
JB67744-15.1.2	Ryan Rebo	Metals Digestate Storage	05/30/14 16:48	Return to Storage
JB67744-15.1.2	Metals Digestate Storage	Ryan Rebo	06/03/14 08:28	Retrieve from Storage
JB67744-15.1.2	Ryan Rebo	Metals Digestate Storage	06/03/14 08:29	Return to Storage
JB67744-15.1.2	Metals Digestate Storage		08/05/14 09:00	Disposed
JB67744-15.2	Secured Storage	Gage Donahue	05/27/14 12:19	Retrieve from Storage
JB67744-15.2	Gage Donahue	Secured Staging Area	05/27/14 12:19	Return to Storage
JB67744-15.2	Secured Staging Area	Aly Abdelgawad	05/27/14 13:59	Retrieve from Storage
JB67744-15.2	Aly Abdelgawad	Secured Storage	05/27/14 15:15	Return to Storage
JB67744-15.2	Shirley Grzybowski		06/30/14 09:21	Disposed
JB67744-15.4	Secured Storage	Thien Nguyen	05/28/14 11:33	Retrieve from Storage
JB67744-15.4	Thien Nguyen	GCMS3V	05/28/14 11:33	Load on Instrument
JB67744-15.4	GCMS3V	Thien Nguyen	05/29/14 10:58	Unload from Instrument
JB67744-15.4	Thien Nguyen	Secured Storage	05/29/14 10:58	Return to Storage
JB67744-15.4	Shirley Grzybowski		06/30/14 09:21	Disposed

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: JB67744
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
V3V477-MB1	3V11239.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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	
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	
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	

Method Blank Summary

Job Number: JB67744
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
V3V477-MB1	3V11239.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	
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	106%	59-130%
17060-07-0	1,2-Dichloroethane-D4	104%	65-123%
2037-26-5	Toluene-D8	116%	77-125%
460-00-4	4-Bromofluorobenzene	117%	71-132%

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

Method Blank Summary

Job Number: JB67744
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
V1C5741-MB	1C128737.D	1	05/30/14	MD	n/a	n/a	V1C5741

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

JB67744-6, JB67744-7, JB67744-11

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: JB67744
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
V1C5741-MB	1C128737.D	1	05/30/14	MD	n/a	n/a	V1C5741

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

JB67744-6, JB67744-7, JB67744-11

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	104%	79-120%
17060-07-0	1,2-Dichloroethane-D4	101%	72-123%
2037-26-5	Toluene-D8	104%	78-119%
460-00-4	4-Bromofluorobenzene	104%	74-119%

Blank Spike Summary

Job Number: JB67744
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
V3V477-BS	3V11240.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	47.4	95	50-147
71-43-2	Benzene	50	51.5	103	75-122
74-97-5	Bromochloromethane	50	51.7	103	77-127
75-27-4	Bromodichloromethane	50	53.9	108	79-132
75-25-2	Bromoform	50	58.4	117	76-134
74-83-9	Bromomethane	50	52.1	104	56-151
78-93-3	2-Butanone (MEK)	50	57.5	115	68-137
75-15-0	Carbon disulfide	50	54.1	108	70-129
56-23-5	Carbon tetrachloride	50	54.5	109	71-148
108-90-7	Chlorobenzene	50	54.0	108	78-120
75-00-3	Chloroethane	50	53.1	106	64-145
67-66-3	Chloroform	50	48.3	97	75-124
74-87-3	Chloromethane	50	53.3	107	51-139
110-82-7	Cyclohexane	50	51.1	102	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	56.1	112	69-134
124-48-1	Dibromochloromethane	50	55.7	111	79-130
106-93-4	1,2-Dibromoethane	50	57.5	115	80-122
95-50-1	1,2-Dichlorobenzene	50	52.6	105	76-118
541-73-1	1,3-Dichlorobenzene	50	51.3	103	75-120
106-46-7	1,4-Dichlorobenzene	50	51.4	103	73-116
75-71-8	Dichlorodifluoromethane	50	50.1	100	34-161
75-34-3	1,1-Dichloroethane	50	52.7	105	78-128
107-06-2	1,2-Dichloroethane	50	53.5	107	75-139
75-35-4	1,1-Dichloroethene	50	48.7	97	73-128
156-59-2	cis-1,2-Dichloroethene	50	44.1	88	76-123
156-60-5	trans-1,2-Dichloroethene	50	46.9	94	74-123
78-87-5	1,2-Dichloropropane	50	52.7	105	78-125
10061-01-5	cis-1,3-Dichloropropene	50	52.8	106	75-115
10061-02-6	trans-1,3-Dichloropropene	50	53.4	107	80-125
100-41-4	Ethylbenzene	50	52.1	104	75-122
76-13-1	Freon 113	50	49.8	100	60-155
591-78-6	2-Hexanone	50	58.1	116	69-134
98-82-8	Isopropylbenzene	50	54.6	109	73-123
79-20-9	Methyl Acetate	50	54.9	110	59-133
108-87-2	Methylcyclohexane	50	50.5	101	63-142
1634-04-4	Methyl Tert Butyl Ether	100	106	106	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
V3V477-BS	3V11240.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	60.8	122	72-130
75-09-2	Methylene chloride	50	47.0	94	72-122
100-42-5	Styrene	50	57.1	114	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	56.5	113	70-117
127-18-4	Tetrachloroethene	50	54.0	108	70-136
108-88-3	Toluene	50	49.0	98	75-122
87-61-6	1,2,3-Trichlorobenzene	50	53.4	107	67-135
120-82-1	1,2,4-Trichlorobenzene	50	53.5	107	64-137
71-55-6	1,1,1-Trichloroethane	50	52.7	105	78-136
79-00-5	1,1,2-Trichloroethane	50	53.6	107	75-123
79-01-6	Trichloroethene	50	52.3	105	81-130
75-69-4	Trichlorofluoromethane	50	50.6	101	57-146
75-01-4	Vinyl chloride	50	54.2	108	55-133
	m,p-Xylene	100	103	103	75-122
95-47-6	o-Xylene	50	55.2	110	75-121
1330-20-7	Xylene (total)	150	159	106	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	59-130%
17060-07-0	1,2-Dichloroethane-D4	105%	65-123%
2037-26-5	Toluene-D8	115%	77-125%
460-00-4	4-Bromofluorobenzene	114%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
V1C5741-BS	1C128738.D	1	05/30/14	MD	n/a	n/a	V1C5741

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

JB67744-6, JB67744-7, JB67744-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	44.0	88	52-152
71-43-2	Benzene	50	51.0	102	80-121
74-97-5	Bromochloromethane	50	50.7	101	82-125
75-27-4	Bromodichloromethane	50	52.1	104	83-127
75-25-2	Bromoform	50	45.0	90	74-131
74-83-9	Bromomethane	50	48.2	96	45-155
78-93-3	2-Butanone (MEK)	50	50.3	101	67-136
75-15-0	Carbon disulfide	50	50.7	101	69-129
56-23-5	Carbon tetrachloride	50	53.5	107	77-138
108-90-7	Chlorobenzene	50	49.6	99	82-119
75-00-3	Chloroethane	50	57.8	116	61-151
67-66-3	Chloroform	50	51.8	104	79-124
74-87-3	Chloromethane	50	44.7	89	48-148
110-82-7	Cyclohexane	50	49.9	100	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	46.8	94	66-137
124-48-1	Dibromochloromethane	50	46.2	92	81-127
106-93-4	1,2-Dibromoethane	50	48.0	96	79-122
95-50-1	1,2-Dichlorobenzene	50	48.5	97	81-121
541-73-1	1,3-Dichlorobenzene	50	47.9	96	81-119
106-46-7	1,4-Dichlorobenzene	50	47.6	95	80-116
75-71-8	Dichlorodifluoromethane	50	45.6	91	33-161
75-34-3	1,1-Dichloroethane	50	50.9	102	78-129
107-06-2	1,2-Dichloroethane	50	52.8	106	75-133
75-35-4	1,1-Dichloroethene	50	51.6	103	74-128
156-59-2	cis-1,2-Dichloroethene	50	51.7	103	78-123
156-60-5	trans-1,2-Dichloroethene	50	51.8	104	75-122
78-87-5	1,2-Dichloropropane	50	51.9	104	80-124
10061-01-5	cis-1,3-Dichloropropene	50	49.1	98	75-114
10061-02-6	trans-1,3-Dichloropropene	50	46.1	92	78-123
100-41-4	Ethylbenzene	50	49.5	99	82-120
76-13-1	Freon 113	50	57.0	114	65-150
591-78-6	2-Hexanone	50	47.2	94	65-135
98-82-8	Isopropylbenzene	50	49.4	99	80-124
79-20-9	Methyl Acetate	50	45.1	90	53-137
108-87-2	Methylcyclohexane	50	48.4	97	62-142
1634-04-4	Methyl Tert Butyl Ether	100	94.3	94	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
V1C5741-BS	1C128738.D	1	05/30/14	MD	n/a	n/a	V1C5741

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

JB67744-6, JB67744-7, JB67744-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	47.6	95	68-135
75-09-2	Methylene chloride	50	49.1	98	75-121
100-42-5	Styrene	50	50.2	100	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	42.3	85	71-123
127-18-4	Tetrachloroethene	50	51.8	104	69-141
108-88-3	Toluene	50	50.9	102	80-122
87-61-6	1,2,3-Trichlorobenzene	50	49.1	98	71-138
120-82-1	1,2,4-Trichlorobenzene	50	51.0	102	77-132
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-132
79-00-5	1,1,2-Trichloroethane	50	48.5	97	80-127
79-01-6	Trichloroethene	50	53.1	106	82-126
75-69-4	Trichlorofluoromethane	50	52.5	105	63-141
75-01-4	Vinyl chloride	50	48.0	96	53-135
	m,p-Xylene	100	99.9	100	81-121
95-47-6	o-Xylene	50	49.3	99	82-121
1330-20-7	Xylene (total)	150	149	99	82-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	79-120%
17060-07-0	1,2-Dichloroethane-D4	102%	72-123%
2037-26-5	Toluene-D8	106%	78-119%
460-00-4	4-Bromofluorobenzene	99%	74-119%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB67744
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
JB67744-2MS	3V11246.D	1	05/28/14	TDN	n/a	n/a	V3V477
JB67744-2	3V11242.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	JB67744-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	46.4		100	128	82	10-181
71-43-2	Benzene	ND		100	109	109	45-131
74-97-5	Bromochloromethane	ND		100	99.6	100	50-131
75-27-4	Bromodichloromethane	ND		100	105	105	44-138
75-25-2	Bromoform	ND		100	99.6	100	34-140
74-83-9	Bromomethane	ND		100	106	106	18-152
78-93-3	2-Butanone (MEK)	8.2	J	100	95.1	87	25-156
75-15-0	Carbon disulfide	2.3	J	100	116	114	28-139
56-23-5	Carbon tetrachloride	ND		100	112	112	33-153
108-90-7	Chlorobenzene	ND		100	109	109	34-138
75-00-3	Chloroethane	ND		100	109	109	26-142
67-66-3	Chloroform	ND		100	100	100	51-129
74-87-3	Chloromethane	ND		100	108	108	34-134
110-82-7	Cyclohexane	ND		100	118	118	13-150
96-12-8	1,2-Dibromo-3-chloropropane	ND		100	85.1	85	22-145
124-48-1	Dibromochloromethane	ND		100	107	107	41-137
106-93-4	1,2-Dibromoethane	ND		100	103	103	41-133
95-50-1	1,2-Dichlorobenzene	ND		100	101	101	22-140
541-73-1	1,3-Dichlorobenzene	ND		100	102	102	21-141
106-46-7	1,4-Dichlorobenzene	ND		100	99.8	100	20-140
75-71-8	Dichlorodifluoromethane	ND		100	110	110	10-156
75-34-3	1,1-Dichloroethane	ND		100	111	111	50-130
107-06-2	1,2-Dichloroethane	ND		100	101	101	49-136
75-35-4	1,1-Dichloroethene	ND		100	106	106	32-143
156-59-2	cis-1,2-Dichloroethene	ND		100	92.0	92	46-129
156-60-5	trans-1,2-Dichloroethene	ND		100	100	100	41-131
78-87-5	1,2-Dichloropropane	ND		100	107	107	46-131
10061-01-5	cis-1,3-Dichloropropene	ND		100	104	104	40-134
10061-02-6	trans-1,3-Dichloropropene	ND		100	99.0	99	37-137
100-41-4	Ethylbenzene	ND		100	109	109	30-139
76-13-1	Freon 113	ND		100	109	109	16-157
591-78-6	2-Hexanone	ND		100	85.1	85	19-155
98-82-8	Isopropylbenzene	ND		100	115	115	26-141
79-20-9	Methyl Acetate	ND		100	84.1	84	17-179
108-87-2	Methylcyclohexane	ND		100	105	105	10-150
1634-04-4	Methyl Tert Butyl Ether	1.3	J	100	102	101	45-130

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB67744
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
JB67744-2MS	3V11246.D	1	05/28/14	TDN	n/a	n/a	V3V477
JB67744-2	3V11242.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	JB67744-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		100	86.0	86	31-140
75-09-2	Methylene chloride	ND		100	98.0	98	44-127
100-42-5	Styrene	ND		100	113	113	30-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	97.9	98	30-131
127-18-4	Tetrachloroethene	ND		100	116	116	15-183
108-88-3	Toluene	0.32	J	100	98.7	98	38-135
87-61-6	1,2,3-Trichlorobenzene	ND		100	97.0	97	10-159
120-82-1	1,2,4-Trichlorobenzene	ND		100	99.2	99	10-161
71-55-6	1,1,1-Trichloroethane	ND		100	112	112	43-142
79-00-5	1,1,2-Trichloroethane	ND		100	96.6	97	37-135
79-01-6	Trichloroethene	ND		100	109	109	29-161
75-69-4	Trichlorofluoromethane	ND		100	109	109	14-160
75-01-4	Vinyl chloride	ND		100	111	111	31-140
	m,p-Xylene	ND		200	214	107	29-140
95-47-6	o-Xylene	ND		100	115	115	31-140
1330-20-7	Xylene (total)	ND		300	329	110	30-140

CAS No.	Surrogate Recoveries	MS	JB67744-2	Limits
1868-53-7	Dibromofluoromethane	105%	108%	59-130%
17060-07-0	1,2-Dichloroethane-D4	94%	103%	65-123%
2037-26-5	Toluene-D8	112%	112%	77-125%
460-00-4	4-Bromofluorobenzene	116%	114%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
JB67687-3MS	1C128747.D	1	05/30/14	MD	n/a	n/a	V1C5741
JB67687-3MSD	1C128748.D	1	05/30/14	MD	n/a	n/a	V1C5741
JB67687-3	1C128740.D	1	05/30/14	MD	n/a	n/a	V1C5741

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

JB67744-6, JB67744-7, JB67744-11

CAS No.	Compound	JB67687-3 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	164		50	197	66	50	202	76	3	44-160/20
71-43-2	Benzene	ND		50	54.4	109	50	51.1	102	6	50-136/12
74-97-5	Bromochloromethane	ND		50	54.2	108	50	52.7	105	3	74-131/11
75-27-4	Bromodichloromethane	ND		50	54.9	110	50	53.1	106	3	74-132/11
75-25-2	Bromoform	ND		50	50.7	101	50	50.6	101	0	68-136/12
74-83-9	Bromomethane	ND		50	50.5	101	50	48.0	96	5	37-157/21
78-93-3	2-Butanone (MEK)	ND		50	54.8	110	50	54.3	109	1	60-145/15
75-15-0	Carbon disulfide	ND		50	54.2	108	50	48.8	98	10	37-143/17
56-23-5	Carbon tetrachloride	ND		50	57.1	114	50	51.8	104	10	46-152/17
108-90-7	Chlorobenzene	ND		50	53.5	107	50	51.2	102	4	70-127/12
75-00-3	Chloroethane	ND		50	50.3	101	50	47.0	94	7	44-147/16
67-66-3	Chloroform	ND		50	54.6	109	50	51.4	103	6	67-129/12
74-87-3	Chloromethane	ND		50	44.2	88	50	41.8	84	6	40-149/19
110-82-7	Cyclohexane	ND		50	56.1	112	50	50.6	101	10	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	50.4	101	50	51.5	103	2	61-144/14
124-48-1	Dibromochloromethane	ND		50	50.5	101	50	50.8	102	1	74-131/10
106-93-4	1,2-Dibromoethane	ND		50	52.4	105	50	52.7	105	1	74-129/10
95-50-1	1,2-Dichlorobenzene	ND		50	52.7	105	50	51.7	103	2	73-126/11
541-73-1	1,3-Dichlorobenzene	ND		50	52.8	106	50	51.3	103	3	71-124/12
106-46-7	1,4-Dichlorobenzene	ND		50	52.4	105	50	50.7	101	3	71-123/12
75-71-8	Dichlorodifluoromethane	ND		50	48.4	97	50	45.0	90	7	20-161/25
75-34-3	1,1-Dichloroethane	ND		50	53.5	107	50	50.1	100	7	61-134/12
107-06-2	1,2-Dichloroethane	ND		50	55.8	112	50	54.2	108	3	68-137/11
75-35-4	1,1-Dichloroethene	ND		50	56.5	113	50	51.0	102	10	40-143/17
156-59-2	cis-1,2-Dichloroethene	ND		50	56.4	113	50	52.7	105	7	59-133/12
156-60-5	trans-1,2-Dichloroethene	ND		50	57.6	115	50	52.0	104	10	55-132/14
78-87-5	1,2-Dichloropropane	ND		50	54.7	109	50	53.1	106	3	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	54.8	110	50	53.3	107	3	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	53.0	106	50	51.9	104	2	72-128/11
100-41-4	Ethylbenzene	ND		50	53.9	108	50	50.2	100	7	49-137/13
76-13-1	Freon 113	ND		50	54.4	109	50	53.2	106	2	32-161/23
591-78-6	2-Hexanone	ND		50	53.5	107	50	53.4	107	0	59-145/14
98-82-8	Isopropylbenzene	ND		50	53.4	107	50	49.9	100	7	57-136/14
79-20-9	Methyl Acetate	ND		50	49.2	98	50	48.5	97	1	46-148/15
108-87-2	Methylcyclohexane	ND		50	50.5	101	50	50.2	100	1	30-155/21
1634-04-4	Methyl Tert Butyl Ether	ND		50	51.9	104	50	50.8	102	2	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
JB67687-3MS	1C128747.D	1	05/30/14	MD	n/a	n/a	V1C5741
JB67687-3MSD	1C128748.D	1	05/30/14	MD	n/a	n/a	V1C5741
JB67687-3	1C128740.D	1	05/30/14	MD	n/a	n/a	V1C5741

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

JB67744-6, JB67744-7, JB67744-11

CAS No.	Compound	JB67687-3 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	52.0	104	50	51.8	104	0	63-144/13
75-09-2	Methylene chloride	ND		50	53.1	106	50	50.0	100	6	64-128/11
100-42-5	Styrene	ND		50	54.9	110	50	53.1	106	3	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	47.7	95	50	47.9	96	0	68-131/11
127-18-4	Tetrachloroethene	ND		50	57.0	114	50	52.2	104	9	48-143/15
108-88-3	Toluene	ND		50	55.2	110	50	51.9	104	6	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	54.5	109	50	54.2	108	1	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	56.2	112	50	55.6	111	1	66-138/12
71-55-6	1,1,1-Trichloroethane	ND		50	56.6	113	50	51.2	102	10	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		50	52.7	105	50	52.6	105	0	73-130/10
79-01-6	Trichloroethene	ND		50	57.4	115	50	52.4	105	9	54-141/13
75-69-4	Trichlorofluoromethane	ND		50	56.0	112	50	52.6	105	6	33-159/25
75-01-4	Vinyl chloride	ND		50	50.2	100	50	47.4	95	6	36-149/19
	m,p-Xylene	ND		100	108	108	100	102	102	6	50-137/12
95-47-6	o-Xylene	ND		50	53.0	106	50	50.3	101	5	60-134/12
1330-20-7	Xylene (total)	ND		150	161	107	150	152	101	6	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB67687-3	Limits
1868-53-7	Dibromofluoromethane	103%	103%	102%	79-120%
17060-07-0	1,2-Dichloroethane-D4	101%	99%	101%	72-123%
2037-26-5	Toluene-D8	106%	106%	106%	78-119%
460-00-4	4-Bromofluorobenzene	101%	101%	105%	74-119%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB67744
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
JB67744-3DUP	3V11248.D	1	05/28/14	TDN	n/a	n/a	V3V477
JB67744-3	3V11243.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	JB67744-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	76.5		83.1		8	39
71-43-2	Benzene	ND		ND		nc	24
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	30
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	30
78-93-3	2-Butanone (MEK)	14.1	J	17.2		20* [a]	19
75-15-0	Carbon disulfide	1.2	J	1.2	J	0	21
56-23-5	Carbon tetrachloride	ND		ND		nc	30
108-90-7	Chlorobenzene	ND		ND		nc	30
75-00-3	Chloroethane	ND		ND		nc	30
67-66-3	Chloroform	ND		ND		nc	30
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	12
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	30
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	30
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	30
107-06-2	1,2-Dichloroethane	ND		ND		nc	30
75-35-4	1,1-Dichloroethene	ND		ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	30
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	30
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	17
76-13-1	Freon 113	ND		ND		nc	30
591-78-6	2-Hexanone	ND		ND		nc	30
98-82-8	Isopropylbenzene	ND		ND		nc	17
79-20-9	Methyl Acetate	ND		ND		nc	30
108-87-2	Methylcyclohexane	ND		ND		nc	11
1634-04-4	Methyl Tert Butyl Ether	3.7		4.0		8	16

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB67744
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
JB67744-3DUP	3V11248.D	1	05/28/14	TDN	n/a	n/a	V3V477
JB67744-3	3V11243.D	1	05/28/14	TDN	n/a	n/a	V3V477

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

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	JB67744-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	30
75-09-2	Methylene chloride	ND		ND		nc	60
100-42-5	Styrene	ND		ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	30
127-18-4	Tetrachloroethene	ND		ND		nc	18
108-88-3	Toluene	ND		ND		nc	33
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	30
79-01-6	Trichloroethene	ND		ND		nc	17
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	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	JB67744-3	Limits
1868-53-7	Dibromofluoromethane	110%	110%	59-130%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	65-123%
2037-26-5	Toluene-D8	115%	113%	77-125%
460-00-4	4-Bromofluorobenzene	117%	116%	71-132%

(a) High RPD due to possible sample analyzed from different vials.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: V1C5716-BFB
Lab File ID: 1C128175.D
Instrument ID: GCMS1C
Injection Date: 05/12/14
Injection Time: 11:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13718	18.7		Pass
75	30.0 - 60.0% of mass 95	34213	46.7		Pass
95	Base peak, 100% relative abundance	73218	100.0		Pass
96	5.0 - 9.0% of mass 95	4643	6.34		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	68458	93.5		Pass
175	5.0 - 9.0% of mass 174	5576	7.62	(8.15) [a]	Pass
176	95.0 - 101.0% of mass 174	67693	92.5	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	4516	6.17	(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
V1C5716-IC5716	1C128176.D	05/12/14	12:25	00:33	Initial cal 0.2
V1C5716-IC5716	1C128177.D	05/12/14	12:54	01:02	Initial cal 0.5
V1C5716-IC5716	1C128178.D	05/12/14	13:22	01:30	Initial cal 1
V1C5716-IC5716	1C128179.D	05/12/14	13:50	01:58	Initial cal 2
V1C5716-IC5716	1C128180.D	05/12/14	14:18	02:26	Initial cal 5
V1C5716-IC5716	1C128181.D	05/12/14	14:46	02:54	Initial cal 10
V1C5716-IC5716	1C128182.D	05/12/14	15:14	03:22	Initial cal 20
V1C5716-ICC5716	1C128183.D	05/12/14	15:43	03:51	Initial cal 50
V1C5716-IC5716	1C128184.D	05/12/14	16:11	04:19	Initial cal 100
V1C5716-IC5716	1C128185.D	05/12/14	16:39	04:47	Initial cal 200
V1C5716-ICV5716	1C128188.D	05/12/14	18:09	06:17	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V1C5741-BFB	**Injection Date:**	05/30/14
Lab File ID:	1C128734.D	**Injection Time:**	10:13
Instrument ID:	GCMS1C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13597	19.1		Pass
75	30.0 - 60.0% of mass 95	34200	48.1		Pass
95	Base peak, 100% relative abundance	71050	100.0		Pass
96	5.0 - 9.0% of mass 95	4608	6.49		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	68408	96.3		Pass
175	5.0 - 9.0% of mass 174	5558	7.82	(8.12) [a]	Pass
176	95.0 - 101.0% of mass 174	66504	93.6	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	4420	6.22	(6.65) [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
V1C5741-CC5716	1C128735.D	05/30/14	10:43	00:30	Continuing cal 20
V1C5741-MB	1C128737.D	05/30/14	11:52	01:39	Method Blank
V1C5741-BS	1C128738.D	05/30/14	12:24	02:11	Blank Spike
JB67687-3	1C128740.D	05/30/14	13:20	03:07	(used for QC only; not part of job JB67744)
ZZZZZZ	1C128741.D	05/30/14	13:48	03:35	(unrelated sample)
ZZZZZZ	1C128742.D	05/30/14	14:17	04:04	(unrelated sample)
ZZZZZZ	1C128743.D	05/30/14	14:45	04:32	(unrelated sample)
ZZZZZZ	1C128744.D	05/30/14	15:13	05:00	(unrelated sample)
ZZZZZZ	1C128745.D	05/30/14	15:41	05:28	(unrelated sample)
JB67687-3MS	1C128747.D	05/30/14	16:38	06:25	Matrix Spike
JB67687-3MSD	1C128748.D	05/30/14	17:06	06:53	Matrix Spike Duplicate
JB67744-6	1C128750.D	05/30/14	18:10	07:57	277-FB-4
JB67744-7	1C128751.D	05/30/14	18:38	08:25	278-TB-4
JB67744-11	1C128752.D	05/30/14	19:06	08:53	286-FB-5
ZZZZZZ	1C128754.D	05/30/14	20:03	09:50	(unrelated sample)
ZZZZZZ	1C128755.D	05/30/14	20:31	10:18	(unrelated sample)
ZZZZZZ	1C128756.D	05/30/14	21:00	10:47	(unrelated sample)
ZZZZZZ	1C128757.D	05/30/14	21:28	11:15	(unrelated sample)
ZZZZZZ	1C128758.D	05/30/14	21:57	11:44	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V474-BFB	**Injection Date:**	05/22/14
Lab File ID:	3V11182.D	**Injection Time:**	09:42
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12725	15.3		Pass
75	30.0 - 60.0% of mass 95	36133	43.3		Pass
95	Base peak, 100% relative abundance	83405	100.0		Pass
96	5.0 - 9.0% of mass 95	5637	6.76		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	76061	91.2		Pass
175	5.0 - 9.0% of mass 174	5852	7.02	(7.69) [a]	Pass
176	95.0 - 101.0% of mass 174	73779	88.5	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	4785	5.74	(6.49) [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
V3V474-IC474	3V11183.D	05/22/14	10:20	00:38	Initial cal 0.2
V3V474-IC474	3V11184.D	05/22/14	10:47	01:05	Initial cal 0.5
V3V474-IC474	3V11185.D	05/22/14	11:14	01:32	Initial cal 1
V3V474-IC474	3V11186.D	05/22/14	11:41	01:59	Initial cal 2
V3V474-IC474	3V11187.D	05/22/14	12:08	02:26	Initial cal 5
V3V474-IC474	3V11188.D	05/22/14	12:34	02:52	Initial cal 10
V3V474-IC474	3V11189.D	05/22/14	13:01	03:19	Initial cal 20
V3V474-ICC474	3V11190.D	05/22/14	13:28	03:46	Initial cal 50
V3V474-IC474	3V11191.D	05/22/14	13:54	04:12	Initial cal 100
V3V474-IC474	3V11192.D	05/22/14	14:21	04:39	Initial cal 200
V3V474-ICV474	3V11195.D	05/22/14	15:41	05:59	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V477-BFB	**Injection Date:**	05/28/14
Lab File ID:	3V11236.D	**Injection Time:**	08:10
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11788	15.2		Pass
75	30.0 - 60.0% of mass 95	33296	42.8		Pass
95	Base peak, 100% relative abundance	77778	100.0		Pass
96	5.0 - 9.0% of mass 95	5185	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	72126	92.7		Pass
175	5.0 - 9.0% of mass 174	5478	7.04	(7.60) [a]	Pass
176	95.0 - 101.0% of mass 174	69840	89.8	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	4691	6.03	(6.72) [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
V3V477-CC474	3V11238.D	05/28/14	09:32	01:22	Continuing cal 20
V3V477-MB1	3V11239.D	05/28/14	10:18	02:08	Method Blank
V3V477-BS	3V11240.D	05/28/14	10:59	02:49	Blank Spike
JB67744-2	3V11242.D	05/28/14	11:54	03:44	273-PE-51
JB67744-3	3V11243.D	05/28/14	12:21	04:11	274-DUP-2
JB67744-4	3V11244.D	05/28/14	12:48	04:38	275-PE-55
JB67744-1	3V11245.D	05/28/14	13:14	05:04	272-PE-54
JB67744-2MS	3V11246.D	05/28/14	13:41	05:31	Matrix Spike
JB67744-3DUP	3V11248.D	05/28/14	14:34	06:24	Duplicate
JB67744-8	3V11249.D	05/28/14	15:01	06:51	279-PE-47
JB67744-9	3V11250.D	05/28/14	15:27	07:17	280-PE-48
JB67744-10	3V11251.D	05/28/14	15:54	07:44	285-PE-46
JB67744-13	3V11252.D	05/28/14	16:21	08:11	282-PE-45
JB67744-14	3V11253.D	05/28/14	16:47	08:37	283-PE-49
JB67744-15	3V11254.D	05/28/14	17:15	09:05	284-PE-56
JB67744-5	3V11255.D	05/28/14	17:42	09:32	276-DEC-1
JB67744-12	3V11256.D	05/28/14	18:08	09:58	281-DEC-2
ZZZZZZ	3V11257.D	05/28/14	19:02	10:52	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V1C5741-CC5716	**Injection Date:**	05/30/14
Lab File ID:	1C128735.D	**Injection Time:**	10:43
Instrument ID:	GCMS1C	**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	115272	7.13	152092	9.62	230420	10.58	218112	13.94	134505	16.42
Upper Limit [a]	230544	7.63	304184	10.12	460840	11.08	436224	14.44	269010	16.92
Lower Limit [b]	57636	6.63	76046	9.12	115210	10.08	109056	13.44	67253	15.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1C5741-MB	111078	7.12	155980	9.62	235531	10.58	217741	13.94	128941	16.42
V1C5741-BS	120182	7.13	154675	9.63	234610	10.58	221769	13.94	137888	16.42
JB67687-3	105594	7.13	153251	9.63	228772	10.59	212372	13.94	123174	16.42
ZZZZZZ	105022	7.13	154747	9.63	235436	10.59	221584	13.94	133783	16.42
ZZZZZZ	112035	7.13	154513	9.63	231535	10.58	214812	13.94	124008	16.42
ZZZZZZ	102955	7.13	153869	9.63	230332	10.59	219116	13.94	133693	16.42
ZZZZZZ	109958	7.13	150002	9.63	225304	10.58	213356	13.94	126620	16.42
ZZZZZZ	107069	7.12	151254	9.63	226918	10.58	215067	13.94	127798	16.42
JB67687-3MS	124381	7.13	156034	9.63	235438	10.59	225513	13.94	138283	16.42
JB67687-3MSD	120809	7.13	156880	9.62	236228	10.58	223936	13.94	137181	16.42
JB67744-6	111058	7.13	160828	9.63	239962	10.58	224668	13.94	134009	16.42
JB67744-7	109853	7.13	163256	9.63	245784	10.58	228651	13.94	134320	16.42
JB67744-11	110769	7.13	159618	9.63	239001	10.58	224506	13.94	133379	16.42
ZZZZZZ	109323	7.13	160853	9.63	242126	10.58	224358	13.94	135714	16.42
ZZZZZZ	101830	7.13	157928	9.63	235832	10.59	219886	13.94	127408	16.42
ZZZZZZ	101194	7.13	157285	9.63	236242	10.59	219370	13.94	131005	16.42
ZZZZZZ	105053	7.13	155284	9.63	234822	10.59	217206	13.94	131535	16.42
ZZZZZZ	101538	7.13	156759	9.63	236220	10.59	218806	13.94	134637	16.42

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: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V477-CC474	**Injection Date:**	05/28/14
Lab File ID:	3V11238.D	**Injection Time:**	09:32
Instrument ID:	GCMS3V	**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	78033	7.30	156306	9.78	229524	10.75	205835	13.96	134197	16.32
Upper Limit [a]	156066	7.80	312612	10.28	459048	11.25	411670	14.46	268394	16.82
Lower Limit [b]	39017	6.80	78153	9.28	114762	10.25	102918	13.46	67099	15.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3V477-MB1	85062	7.30	163078	9.79	240364	10.75	220954	13.97	138778	16.32
V3V477-BS	110275	7.30	164240	9.79	241811	10.75	218231	13.96	141718	16.32
JB67744-2	80971	7.30	154129	9.79	219716	10.75	188649	13.96	117928	16.32
JB67744-3	85815	7.29	156794	9.79	231377	10.75	204606	13.97	129238	16.32
JB67744-4	82810	7.31	159013	9.79	234377	10.75	208162	13.97	128240	16.32
JB67744-1	85893	7.29	170286	9.79	250450	10.75	226456	13.96	140207	16.32
JB67744-2MS	64511	7.30	158997	9.79	230162	10.75	194591	13.97	123613	16.32
JB67744-3DUP	86164	7.31	168567	9.79	251643	10.75	229556	13.97	142849	16.32
JB67744-8	80412	7.29	156309	9.78	229572	10.75	206651	13.97	127863	16.32
JB67744-9	105137	7.30	155392	9.79	231174	10.75	210189	13.97	130510	16.32
JB67744-10	82212	7.29	160393	9.79	236745	10.75	213827	13.97	134578	16.32
JB67744-13	91698	7.31	154043	9.79	227789	10.75	203692	13.97	124232	16.32
JB67744-14	71155	7.28	157812	9.79	234288	10.75	211805	13.96	123951	16.32
JB67744-15	78085	7.30	166706	9.79	249737	10.75	226662	13.97	133980	16.32
JB67744-5	71453	7.29	155834	9.78	229141	10.75	205977	13.97	130635	16.32
JB67744-12	89682	7.31	190129	9.79	282595	10.75	268816	13.97	171516	16.33
ZZZZZZ	103299	7.30	199825	9.79	300920	10.75	274489	13.96	168969	16.32

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: JB67744
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
JB67744-6	1C128750.D	101	100	106	103
JB67744-7	1C128751.D	103	99	104	104
JB67744-11	1C128752.D	102	101	106	104
JB67687-3MS	1C128747.D	103	101	106	101
JB67687-3MSD	1C128748.D	103	99	106	101
V1C5741-BS	1C128738.D	103	102	106	99
V1C5741-MB	1C128737.D	104	101	104	104

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: JB67744
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
JB67744-1	3V11245.D	108	106	114	119
JB67744-2	3V11242.D	108	103	112	114
JB67744-3	3V11243.D	110	107	113	116
JB67744-4	3V11244.D	110	107	114	117
JB67744-5	3V11255.D	105	101	116	116
JB67744-8	3V11249.D	108	106	114	118
JB67744-9	3V11250.D	110	112	114	119
JB67744-10	3V11251.D	109	106	115	118
JB67744-12	3V11256.D	97	98	121	121
JB67744-13	3V11252.D	110	110	115	121
JB67744-14	3V11253.D	108	108	116	124
JB67744-15	3V11254.D	111	111	115	123
JB67744-2MS	3V11246.D	105	94	112	116
JB67744-3DUP	3V11248.D	110	107	115	117
V3V477-BS	3V11240.D	106	105	115	114
V3V477-MB1	3V11239.D	106	104	116	117

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: JB67744 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS1C

Method : C:\MSDCHEM\1\METHODS\M1C5716.M (RTE Integrator)
Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
Last Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Calibration Files
1 =1C128178.D 2 =1C128179.D 100 =1C128184.D 50 =1C128183.D
20 =1C128182.D 200 =1C128185.D 5 =1C128180.D 10 =1C128181.D
0.5 =1C128177.D 0.2 =1C128176.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	1.291	1.285	1.141	1.193	1.346	1.067	1.246	1.234			1.225	7.32
3) 1,4-dioxane		0.087	0.092	0.099	0.110	0.089	0.098	0.097			0.096	7.99
4) I pentafluorobenzene	----------ISTD----------											
5) Freon 115											0.000#	-1.00
6) Freon 143a											0.000#	-1.00
7) Freon 152a											0.000#	-1.00
8) chlorotrifluoroethene											0.000#	-1.00
9) chlorodifluoromethane	0.556	0.526	0.515	0.513	0.551	0.525	0.549	0.498			0.529	3.93
10) dichlorodifluoromethane	0.918	0.886	0.779	0.808	0.877	0.787	0.837	0.812			0.838	6.05
11) Freon 142b											0.000#	-1.00
12) chloromethane	1.262	1.151	1.059	1.079	1.093	1.020	1.104	1.064	1.037	1.198	1.106	6.87
13) vinyl chloride	1.138	1.021	0.975	0.986	1.012	0.947	1.024	0.960	0.829	0.839	0.973	9.28
14) bromomethane	0.698	0.647	0.549	0.594	0.611	0.442	0.613	0.598			0.594	12.62
15) chloroethane	0.476	0.439	0.385	0.413	0.429	0.301	0.447	0.427			0.415	12.73
16) PENTANE											0.000#	-1.00
17) 1,3-BUTADIENE											0.000#	-1.00
18) vinyl bromide											0.000#	-1.00
19) trichlorofluoromethane	1.031	0.953	0.900	0.924	0.985	0.923	0.940	0.934			0.949	4.37
20) ethyl ether	0.308	0.321	0.330	0.332	0.352	0.319	0.325	0.331			0.327	3.91
21) freon 123a											0.000#	-1.00
22) acrolein	0.165	0.167	0.162	0.165	0.176	0.163	0.167	0.166			0.167	2.59
23) 1,1-dichloroethene												

Initial Calibration Summary

Job Number: JB67744 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
      0.617 0.534 0.556 0.551 0.578 0.550 0.573 0.550 0.454        0.551    7.91
24)  acetone
      0.327 0.266 0.255 0.255 0.261 0.253 0.260 0.249 0.268        0.266    8.89
25)  acetonitrile
                0.070 0.072 0.093 0.067 0.083 0.091              0.080   14.00
26)  allyl chloride
      0.261 0.275 0.290 0.294 0.315 0.294 0.303 0.298              0.291    5.75
27)  iodomethane
      1.305 1.044 1.093 1.092 1.136 1.075 1.142 1.091 0.904        1.098    9.54
28)  carbon disulfide
            2.366 1.981 1.986 2.101 1.934 2.260 2.041              2.096    7.65
29)  2-CHLOROPROPANE
      1.360 1.137 1.132 1.144 1.222 1.090 1.202 1.162 0.981        1.159    8.86
30)  methylene chloride
      0.705 0.652 0.623 0.631 0.667 0.611 0.673 0.640 0.548 0.701  0.645    7.17
31)  methyl acetate
      0.590 0.576 0.607 0.615 0.661 0.593 0.625 0.603              0.609    4.27
32)  methyl tert butyl ether
      2.239 1.907 1.892 1.898 1.995 1.789 1.938 1.909 1.698 1.953  1.922    7.30
33)  trans-1,2-dichloroethene
      0.661 0.542 0.557 0.563 0.596 0.559 0.595 0.583 0.404        0.562   12.25
34)  1-CHLOROPROPANE
                1.141 1.210 1.400 1.101 1.900 1.491              1.374   21.75
           ----- Linear regression -----  Coefficient =  0.9998
             Response Ratio = 0.10708 + 1.07828 *A

35)  di-isopropyl ether
      2.600 2.302 2.126 2.148 2.282 2.074 2.293 2.147 1.877 1.860  2.171   10.01
36)  2-butanone
                0.090 0.089 0.093 0.088 0.069 0.083              0.085   10.01
37)  1,1-dichloroethane
      1.309 1.130 1.121 1.139 1.211 1.098 1.179 1.157 0.990        1.148    7.51
38)  chloroprene
      0.934 0.861 0.803 0.817 0.873 0.813 0.857 0.807              0.846    5.30
39)  acrylonitrile
      0.295 0.279 0.290 0.292 0.311 0.279 0.296 0.293              0.292    3.49
40)  vinyl acetate
                0.108 0.107 0.102 0.108       0.084              0.102    9.91
41)  ethyl tert-butyl ether
      2.351 2.100 1.961 1.972 2.096 1.908 2.088 1.955 1.759 1.839  2.003    8.28
42)  ethyl acetate
                0.124 0.123 0.132 0.123 0.109 0.107              0.119    7.97
43)  2,2-dichloropropane
      1.094 0.890 0.851 0.854 0.920 0.832 0.941 0.875 0.828        0.898    9.21
44)  cis-1,2-dichloroethene
      0.690 0.592 0.621 0.626 0.665 0.618 0.650 0.641 0.506        0.623    8.41
45)  propionitrile
      0.131 0.120 0.122 0.121 0.132 0.117 0.120 0.122 0.097        0.120    8.42
46)  methylacrylate
      0.772 0.747 0.881 0.869 0.921 0.844 0.843 0.840              0.840    6.76
47)  bromochloromethane
      0.302 0.313 0.318 0.319 0.340 0.314 0.316 0.322              0.318    3.35
48)  tetrahydrofuran
                0.105 0.104 0.112 0.104 0.100 0.101              0.104    4.05
49)  chloroform
      0.774 0.677 0.653 0.656 0.701 0.646 0.694 0.684 0.624 0.532  0.664    9.33
50)  T-BUTYL FORMATE
      0.691 0.585 0.599 0.594 0.636 0.566 0.618 0.597              0.611    6.33
51)  isobutyl alcohol
      0.050 0.051 0.049 0.049 0.055 0.047 0.049 0.047 0.040        0.049    8.11
```

Initial Calibration Summary

Job Number: JB67744 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

52)	dibromofluoromethane (s)												
	0.721	0.616	0.544	0.554	0.553	0.558	0.587	0.572	0.580		0.587		9.34
53)	1,2-dichloroethane-d4 (s)												
	0.738	0.724	0.630	0.644	0.660	0.627	0.726	0.684	0.693		0.681		6.27
54)	freon 113												
	0.398	0.417	0.406	0.411	0.444	0.412	0.434	0.394			0.415		4.11
55)	methacrylonitrile												
		0.251	0.301	0.297	0.315	0.294	0.280	0.294			0.290		7.00
56)	1,1,1-trichloroethane												
	1.006	0.888	0.871	0.876	0.930	0.853	0.936	0.881	0.727		0.885		8.54
57)	Cyclohexane												
	1.108	0.888	0.885	0.893	0.956	0.890	0.946	0.902	0.835		0.923		8.46
58)	I 1,4-difluorobenzene	----------ISTD----------											
59)	ISO-OCTANE												
	1.841	1.703	1.520	1.556	1.673	1.546	1.684	1.442			1.621		7.87
60)	epichlorohydrin												
	0.063	0.061	0.058	0.058	0.063	0.058	0.058	0.056			0.059		4.20
61)	n-butyl alcohol												
	0.021	0.020	0.020	0.020	0.022	0.019	0.020	0.019			0.020		4.97
62)	carbon tetrachloride												
	0.615	0.520	0.526	0.527	0.552	0.516	0.546	0.520	0.451		0.530		8.08
63)	1,1-dichloropropene												
	0.571	0.497	0.521	0.520	0.557	0.516	0.553	0.519	0.417		0.519		8.68
64)	hexane												
	0.526	0.482	0.414	0.427	0.468	0.427	0.475	0.418			0.454		8.72
65)	benzene												
	1.817	1.522	1.520	1.523	1.612	1.497	1.580	1.559	1.481	1.682	1.579		6.50
66)	tert-amyl methyl ether												
	1.503	1.373	1.283	1.291	1.356	1.254	1.350	1.254	1.131	1.214	1.301		7.80
67)	heptane												
	0.309	0.296	0.266	0.276	0.304	0.274	0.307	0.263			0.287		6.65
68)	isopropyl acetate												
	1.356	1.245	1.153	1.233	1.218	1.138	1.242	1.129	1.015		1.192		8.07
69)	1,2-dichloroethane												
	0.584	0.510	0.522	0.525	0.558	0.503	0.519	0.530	0.415		0.518		8.94
70)	trichloroethene												
	0.428	0.364	0.377	0.379	0.405	0.375	0.394	0.379	0.301		0.378		9.15
71)	2-nitropropane												
	0.218	0.182	0.184	0.184	0.197	0.174	0.189	0.178			0.188		7.37
72)	2-chloroethyl vinyl ether												
	0.309	0.283	0.281	0.280	0.294	0.274	0.279	0.267	0.220		0.276		8.82
73)	methyl methacrylate												
		0.115	0.112	0.117	0.112	0.100	0.104				0.110		6.13
74)	1,2-dichloropropane												
	0.476	0.406	0.431	0.431	0.450	0.418	0.441	0.433	0.361		0.427		7.40
75)	dibromomethane												
	0.288	0.256	0.260	0.261	0.277	0.255	0.255	0.263	0.197		0.257		9.73
76)	methylcyclohexane												
	0.721	0.680	0.598	0.613	0.650	0.612	0.664	0.577			0.639		7.49
77)	bromodichloromethane												
	0.608	0.519	0.534	0.535	0.558	0.524	0.534	0.538	0.488	0.491	0.533		6.37
78)	ETHYL ACRYLATE												
											0.000#		-1.00
79)	cis-1,3-dichloropropene												
	0.737	0.633	0.682	0.675	0.711	0.666	0.684	0.662	0.555	0.655	0.666		7.31
80)	toluene-d8 (s)												
	1.673	1.482	1.318	1.325	1.311	1.354	1.387	1.355			1.401		8.79
81)	4-methyl-2-pentanone												
	0.234	0.202	0.222	0.218	0.237	0.216	0.221	0.217			0.221		4.91

Initial Calibration Summary

Job Number: JB67744 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

82) toluene
1.054 0.901 0.923 0.919 0.959 0.919 0.941 0.909 0.894 0.987 0.941 5.16
83) 3-methyl-1-butanol
0.036 0.032 0.033 0.033 0.035 0.032 0.032 0.031 0.033 5.01
84) trans-1,3-dichloropropene
0.709 0.595 0.640 0.632 0.662 0.628 0.620 0.614 0.637 5.47
85) ethyl methacrylate
0.650 0.526 0.605 0.592 0.627 0.602 0.565 0.555 0.590 6.79
86) 1,1,2-trichloroethane
0.364 0.309 0.325 0.321 0.338 0.321 0.324 0.314 0.327 5.29
87) 2-hexanone
0.218 0.173 0.215 0.210 0.222 0.214 0.194 0.197 0.206 7.95

88) I chlorobenzene-d5 ----------ISTD----------
89) tetrachloroethene
0.421 0.347 0.353 0.353 0.374 0.353 0.370 0.356 0.318 0.361 7.68
90) 1,3-dichloropropane
0.786 0.655 0.663 0.664 0.716 0.643 0.672 0.677 0.589 0.605 0.667 8.26
91) butyl acetate
0.398 0.385 0.358 0.362 0.395 0.359 0.365 0.359 0.373 4.60
92) 3,3-DIMETHYL-1-BUTANOL
0.093 0.081 0.076 0.078 0.087 0.071 0.079 0.075 0.079 0.089 0.081 8.50
93) dibromochloromethane
0.560 0.477 0.488 0.485 0.508 0.479 0.478 0.487 0.495 5.67
94) 1,2-dibromoethane
0.491 0.429 0.423 0.426 0.452 0.413 0.422 0.429 0.358 0.427 8.17
95) chlorobenzene
1.352 1.125 1.127 1.122 1.190 1.116 1.163 1.149 1.093 1.169 1.161 6.30
96) 1,1,1,2-tetrachloroethane
0.545 0.438 0.465 0.462 0.484 0.460 0.473 0.466 0.474 6.65
97) ethylbenzene
2.319 1.936 1.952 1.950 2.056 1.961 2.037 1.981 1.853 2.218 2.026 6.97
98) m,p-xylene
0.865 0.718 0.754 0.737 0.776 0.766 0.757 0.743 0.688 0.790 0.759 6.22
99) o-xylene
0.931 0.760 0.775 0.766 0.796 0.772 0.768 0.772 0.726 0.784 0.785 6.94
100) styrene
1.443 1.211 1.301 1.273 1.332 1.306 1.260 1.258 1.189 1.267 1.284 5.47
101) Butyl Acrylate
0.000# -1.00
102) bromoform
0.485 0.374 0.413 0.403 0.425 0.406 0.400 0.394 0.367 0.408 8.40

103) I 1,4-dichlorobenzene-d ----------ISTD----------
104) isopropylbenzene
3.889 3.207 3.335 3.247 3.417 3.288 3.324 3.334 3.316 3.756 3.411 6.63
105) 4-bromofluorobenzene (s)
1.227 1.071 0.921 0.898 0.903 0.947 0.961 0.945 0.984 11.40
106) cyclohexanone
0.066 0.070 0.074 0.077 0.068 0.076 0.049 0.069 13.83
107) bromobenzene
1.066 0.856 0.936 0.897 0.945 0.945 0.900 0.915 0.846 0.897 0.920 6.68
108) 1,1,2,2-tetrachloroethane
1.569 1.165 1.148 1.121 1.244 1.091 1.165 1.187 1.221 1.276 1.219 11.08
109) trans-1,4-dichloro-2-butene
0.382 0.304 0.332 0.327 0.362 0.321 0.309 0.338 0.334 7.90
110) 1,2,3-trichloropropane
0.349 0.284 0.275 0.264 0.295 0.271 0.270 0.275 0.285 9.68
111) n-propylbenzene
4.602 3.761 3.904 3.773 4.004 3.850 3.918 3.824 3.839 4.314 3.979 6.81

Initial Calibration Summary

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```
112)  2-chlorotoluene
       0.978 0.805 0.862 0.813 0.871 0.859 0.826 0.827 0.811        0.850    6.31
113)  4-chlorotoluene
       2.965 2.389 2.435 2.372 2.525 2.408 2.438 2.437 2.441 2.534  2.494    6.94
114)  1,3,5-trimethylbenzene
       3.297 2.858 2.979 2.859 2.983 2.899 2.910 2.893 2.790 3.167  2.964    5.24
115)  tert-butylbenzene
       2.941 2.404 2.501 2.471 2.593 2.440 2.531 2.463 2.446 2.457  2.525    6.16
116)  pentachloroethane
       0.762 0.585 0.639 0.621 0.660 0.616 0.622 0.633 0.538        0.631    9.57
117)  1,2,4-trimethylbenzene
       3.404 2.759 2.900 2.843 2.967 2.781 2.845 2.836 2.895 3.258  2.949    7.21
118)  sec-butylbenzene
       4.511 3.780 3.886 3.821 4.043 3.714 3.899 3.829 3.746 4.235  3.946    6.37
119)  1,3-dichlorobenzene
       2.229 1.770 1.799 1.751 1.848 1.725 1.817 1.804 1.820 2.019  1.858    8.21
120)  p-isopropyltoluene
       3.681 3.118 3.321 3.264 3.421 3.122 3.260 3.268 3.184 3.397  3.304    5.06
121)  1,2,3-trimethylbenzene
                                                                    0.000#  -1.00
122)  1,4-dichlorobenzene
       2.320 1.871 1.829 1.784 1.911 1.766 1.839 1.854 2.126        1.922    9.50
123)  benzyl chloride
       2.762 2.536 2.214 2.180 2.432 2.194 2.291 2.245 2.392 2.684  2.393    8.72
124)  1,2-dichlorobenzene
       2.341 1.778 1.773 1.748 1.900 1.669 1.829 1.813 1.928 1.957  1.874    9.94
125)  n-butylbenzene
       1.963 1.672 1.689 1.674 1.787 1.586 1.729 1.695 1.646 1.805  1.725    6.10
126)  1,2-dibromo-3-chloropropane
       0.291 0.230 0.235 0.239 0.269 0.210 0.246 0.254              0.247   10.18
127)  1,3,5-trichlorobenzene
       1.828 1.560 1.517 1.536 1.672 1.405 1.606 1.584 1.611 1.634  1.595    6.90
128)  1,2,4-trichlorobenzene
       1.713 1.370 1.392 1.379 1.508 1.271 1.452 1.457 1.515 1.534  1.459    8.24
129)  hexachlorobutadiene
       0.914 0.768 0.721 0.748 0.827 0.649 0.798 0.795 0.767 0.699  0.769    9.47
130)  naphthalene
       4.810 3.677 3.528 3.582 4.016 3.142 3.683 3.863 4.178        3.831   12.34
131)  1,2,3-trichlorobenzene
       1.703 1.304 1.294 1.309 1.449 1.154 1.382 1.413 1.420 1.538  1.397   10.77
132)  hexachloroethane
       0.694 0.596 0.635 0.630 0.672 0.601 0.622 0.623 0.509        0.620    8.42
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M1C5716.M         Tue May 13 13:04:09 2014   RPT1
```

Initial Calibration Verification

Job Number: JB67744 **Sample:** V1C5716-ICV5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128188.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1C128188.D Vial: 16
Acq On : 12 May 2014 6:09 pm Operator: mariceld
Sample : icv5716-50 Inst : MS1C
Misc : MS66796,V1C5716,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C5716.M (RTE Integrator)
Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
Last Update : Tue May 13 12:33:26 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	0.01	7.14
2		tertiary butyl alcohol	1.225	1.149	6.2	99	0.00	7.27
3		1,4-dioxane	0.096	0.091	5.2	95	0.00	11.35
4	I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	9.63
5	m	Freon 115		----------NA----------				
6	m	Freon 143a		----------NA----------				
7	m	Freon 152a		----------NA----------				
8		chlorotrifluoroethene		----------NA----------				
9		chlorodifluoromethane	0.529	0.505	4.5	105	0.00	3.51
10		dichlorodifluoromethane	0.838	0.743	11.3	98	0.00	3.49
11	m	Freon 142b		----------NA----------				
12		chloromethane	1.106	1.008	8.9	99	0.00	3.80
13		vinyl chloride	0.973	0.929	4.5	100	0.00	4.06
14		bromomethane	0.594	0.561	5.6	100	0.00	4.71
15		chloroethane	0.415	0.395	4.8	102	0.00	4.90
16		PENTANE		----------NA----------				
17		1,3-BUTADIENE		----------NA----------				
18		vinyl bromide		----------NA----------				
19		trichlorofluoromethane	0.949	0.869	8.4	100	0.01	5.42
20		ethyl ether	0.327	0.334	-2.1	107	0.00	5.86
21		freon 123a		----------NA----------				
22		acrolein	0.167	0.159	4.8	102	0.00	6.14
23		1,1-dichloroethene	0.551	0.543	1.5	105	0.00	6.31
24		acetone	0.266	0.241	9.4	101	0.00	6.40
25		acetonitrile	0.080	0.073	8.8	107	0.01	6.90
26		allyl chloride	0.291	0.344	-18.2	124	0.00	6.91
27		iodomethane	1.098	1.059	3.6	103	0.00	6.61
28		carbon disulfide	2.096	1.987	5.2	106	0.00	6.73
29		2-CHLOROPROPANE	1.159	1.123	3.1	104	0.00	6.06
30		methylene chloride	0.645	0.605	6.2	102	0.00	7.13
31		methyl acetate	0.609	0.565	7.2	98	0.00	6.92
32		methyl tert butyl ether	1.922	1.773	7.8	100	0.00	7.50
33		trans-1,2-dichloroethene	0.562	0.552	1.8	104	0.00	7.54
		----------	True	Calc.	% Drift	----------		
34		1-CHLOROPROPANE	50.000	49.727	0.5	104	0.00	7.16
		----------	AvgRF	CCRF	% Dev	----------		
35		di-isopropyl ether	2.171	2.113	2.7	105	0.00	8.19
36		2-butanone	0.085	0.087	-2.4	104	0.01	9.02
37		1,1-dichloroethane	1.148	1.133	1.3	106	0.00	8.19

Initial Calibration Verification

Job Number: JB67744 **Sample:** V1C5716-ICV5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128188.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		chloroprene	0.846	0.774	8.5	101	0.00	8.31
39		acrylonitrile	0.292	0.288	1.4	105	0.00	7.51
40		vinyl acetate	0.102	0.112	-9.8	111	0.00	8.21
41		ethyl tert-butyl ether	2.003	1.894	5.4	102	0.00	8.72
42		ethyl acetate	0.119	0.116	2.5	101	0.00	9.04
43		2,2-dichloropropane	0.898	0.828	7.8	103	0.00	9.01
44		cis-1,2-dichloroethene	0.623	0.614	1.4	104	0.00	9.03
45		propionitrile	0.120	0.121	-0.8	106	0.00	9.11
46		methylacrylate	0.840	0.844	-0.5	103	0.00	9.12
47		bromochloromethane	0.318	0.316	0.6	105	0.00	9.36
48		tetrahydrofuran	0.104	0.103	1.0	105	0.00	9.41
49		chloroform	0.664	0.650	2.1	105	0.00	9.44
50		T-BUTYL FORMATE	0.611	0.603	1.3	108	0.00	9.47
51		isobutyl alcohol	0.049	0.046	6.1	98	0.00	9.97
52	S	dibromofluoromethane (s)	0.587	0.546	7.0	105	0.00	9.66
53	S	1,2-dichloroethane-d4 (s)	0.681	0.626	8.1	103	0.00	10.10
54		freon 113	0.415	0.418	-0.7	108	0.00	6.29
55		methacrylonitrile	0.290	0.288	0.7	103	0.00	9.31
56		1,1,1-trichloroethane	0.885	0.844	4.6	102	0.00	9.69
57		Cyclohexane	0.923	0.824	10.7	98	0.00	9.76
58	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.59
59		ISO-OCTANE	1.621	1.347	16.9	94	0.00	10.18
60		epichlorohydrin	0.059	0.053	10.2	98	0.00	11.93
61		n-butyl alcohol	0.020	0.018	10.0	95	0.00	10.77
62		carbon tetrachloride	0.530	0.496	6.4	102	0.00	9.90
63		1,1-dichloropropene	0.519	0.490	5.6	102	0.00	9.89
64		hexane		----------NA----------				
65		benzene	1.579	1.496	5.3	106	0.00	10.17
66		tert-amyl methyl ether	1.301	1.172	9.9	98	0.00	10.22
67		heptane		----------NA----------				
68		isopropyl acetate	1.192	1.086	8.9	95	0.00	10.13
69		1,2-dichloroethane	0.518	0.502	3.1	104	0.00	10.19
70		trichloroethene	0.378	0.370	2.1	106	0.00	10.93
71		2-nitropropane	0.188	0.176	6.4	103	0.00	11.78
72		2-chloroethyl vinyl ether	0.276	0.287	-4.0	111	0.00	11.80
73		methyl methacrylate	0.110	0.105	4.5	102	0.00	11.25
74		1,2-dichloropropane	0.427	0.417	2.3	105	0.00	11.22
75		dibromomethane	0.257	0.250	2.7	104	0.00	11.38
76		methylcyclohexane	0.639	0.557	12.8	98	0.00	11.15
77		bromodichloromethane	0.533	0.516	3.2	104	0.00	11.54
78		ETHYL ACRYLATE		----------NA----------				
79		cis-1,3-dichloropropene	0.666	0.633	5.0	102	0.00	12.02
80	S	toluene-d8 (s)	1.401	1.264	9.8	103	0.00	12.32
81		4-methyl-2-pentanone	0.221	0.207	6.3	103	0.00	12.14
82		toluene	0.941	0.875	7.0	103	0.00	12.40
83		3-methyl-1-butanol	0.033	0.029	12.1	96	0.00	12.18
84		trans-1,3-dichloropropene	0.637	0.565	11.3	97	0.00	12.63
85		ethyl methacrylate	0.590	0.532	9.8	97	0.00	12.63
86		1,1,2-trichloroethane	0.327	0.302	7.6	102	0.00	12.85
87		2-hexanone	0.206	0.187	9.2	96	0.00	13.05
88	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.94
89		tetrachloroethene	0.361	0.353	2.2	104	0.00	13.03
90		1,3-dichloropropane	0.667	0.643	3.6	101	0.00	13.05
91		butyl acetate		----------NA----------				
92		3,3-DIMETHYL-1-BUTANOL	0.081	0.074	8.6	99	0.00	13.25
93		dibromochloromethane	0.495	0.452	8.7	97	0.00	13.33
94		1,2-dibromoethane	0.427	0.408	4.4	100	0.00	13.48
95		chlorobenzene	1.161	1.104	4.9	102	0.00	13.98

Initial Calibration Verification

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

96		1,1,1,2-tetrachloroethane	0.474	0.444	6.3	100	0.00	14.05
97		ethylbenzene	2.026	1.888	6.8	101	0.00	14.04
98		m,p-xylene	0.759	0.723	4.7	102	0.00	14.16
99		o-xylene	0.785	0.736	6.2	100	0.00	14.60
100		styrene	1.284	1.224	4.7	100	0.00	14.62
101		Butyl Acrylate		----------NA----------				
102		bromoform	0.408	0.353	13.5	91	0.00	14.89
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	16.42
104		isopropylbenzene	3.411	3.230	5.3	101	0.00	14.97
105	S	4-bromofluorobenzene (s)	0.984	0.885	10.1	100	0.00	15.19
106		cyclohexanone	0.069	0.038	44.9#	52	0.00	15.15
107		bromobenzene	0.920	0.891	3.2	101	0.00	15.38
108		1,1,2,2-tetrachloroethane	1.219	1.069	12.3	97	0.00	15.31
109		trans-1,4-dichloro-2-bute	0.334	0.301	9.9	94	0.00	15.35
110		1,2,3-trichloropropane	0.285	0.257	9.8	99	0.00	15.38
111		n-propylbenzene	3.979	3.942	0.9	106	0.00	15.41
112		2-chlorotoluene	0.850	0.810	4.7	102	0.00	15.56
113		4-chlorotoluene	2.494	2.331	6.5	100	0.00	15.66
114		1,3,5-trimethylbenzene	2.964	2.803	5.4	100	0.00	15.57
115		tert-butylbenzene	2.525	2.462	2.5	102	0.00	15.93
116		pentachloroethane	0.631	0.622	1.4	102	0.00	16.02
117		1,2,4-trimethylbenzene	2.949	2.881	2.3	103	0.00	15.98
118		sec-butylbenzene	3.946	3.756	4.8	100	0.00	16.16
119		1,3-dichlorobenzene	1.858	1.697	8.7	99	0.00	16.36
120		p-isopropyltoluene	3.304	3.223	2.5	101	0.00	16.29
121		1,2,3-trimethylbenzene		----------NA----------				
122		1,4-dichlorobenzene	1.922	1.744	9.3	100	0.00	16.45
123		benzyl chloride	2.393	2.220	7.2	104	0.00	16.57
124		1,2-dichlorobenzene	1.874	1.722	8.1	100	0.00	16.87
125		n-butylbenzene	1.725	1.700	1.4	104	0.00	16.72
126		1,2-dibromo-3-chloropropa	0.247	0.230	6.9	98	0.00	17.70
127		1,3,5-trichlorobenzene	1.595	1.567	1.8	104	0.00	17.89
128		1,2,4-trichlorobenzene	1.459	1.402	3.9	104	0.00	18.58
129		hexachlorobutadiene	0.769	0.761	1.0	104	0.00	18.70
130		naphthalene	3.831	3.573	6.7	102	0.00	18.87
131		1,2,3-trichlorobenzene	1.397	1.336	4.4	104	0.00	19.14
132		hexachloroethane	0.620	0.641	-3.4	104	0.00	17.14

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

1C128183.D M1C5716.M Tue May 13 13:10:47 2014 RPT1

Continuing Calibration Summary

Job Number: JB67744 **Sample:** V1C5741-CC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128735.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1C...c5741-5744\1C128735.D Vial: 2
Acq On : 30 May 2014 10:43 am Operator: mariceld
Sample : cc5716-20 Inst : MS1C
Misc : MS68046,V1C5741,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C5716.M (RTE Integrator)
Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
Last Update : Tue May 13 12:33:26 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	84	0.00	7.13
2		tertiary butyl alcohol	1.225	1.243	-1.5	77	0.00	7.27
3		1,4-dioxane	0.096	0.084	12.5	64	0.00	11.35
4	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	9.62
5	m	Freon 115		----------NA----------				
6	m	Freon 143a		----------NA----------				
7	m	Freon 152a		----------NA----------				
8		chlorotrifluoroethene		----------NA----------				
9		chlorodifluoromethane	0.529	0.687	-29.9#	123	0.00	3.50
10		dichlorodifluoromethane	0.838	0.798	4.8	90	0.00	3.49
11	m	Freon 142b		----------NA----------				
12		chloromethane	1.106	1.038	6.1	94	-0.01	3.79
13		vinyl chloride	0.973	1.021	-4.9	99	-0.01	4.05
14		bromomethane	0.594	0.644	-8.4	104	0.00	4.72
15		chloroethane	0.415	0.444	-7.0	102	0.01	4.91
16		PENTANE		----------NA----------				
17		1,3-BUTADIENE		----------NA----------				
18		vinyl bromide		----------NA----------				
19		trichlorofluoromethane	0.949	1.092	-15.1	109	0.01	5.42
20		ethyl ether	0.327	0.347	-6.1	97	0.00	5.86
21		freon 123a		----------NA----------				
22		acrolein	0.167	0.164	1.8	92	0.00	6.14
23		1,1-dichloroethene	0.551	0.627	-13.8	107	0.00	6.31
24		acetone	0.266	0.291	-9.4	110	0.01	6.41
25		acetonitrile	0.080	0.072	10.0	76	0.02	6.90
26		allyl chloride	0.291	0.323	-11.0	101	0.00	6.91
27		iodomethane	1.098	1.246	-13.5	108	0.00	6.60
28		carbon disulfide	2.096	2.326	-11.0	109	0.00	6.72
29		2-CHLOROPROPANE	1.159	1.284	-10.8	104	0.00	6.06
30		methylene chloride	0.645	0.690	-7.0	102	0.00	7.12
31		methyl acetate	0.609	0.659	-8.2	98	0.00	6.92
32		methyl tert butyl ether	1.922	2.037	-6.0	101	0.00	7.50
33		trans-1,2-dichloroethene	0.562	0.646	-14.9	107	0.00	7.54
		----------	True	Calc.	% Drift	----------		
34		1-CHLOROPROPANE	20.000	21.079	-5.4	99	0.00	7.15
		----------	AvgRF	CCRF	% Dev	----------		
35		di-isopropyl ether	2.171	2.322	-7.0	100	0.00	8.19
36		2-butanone	0.085	0.096	-12.9	102	0.02	9.02
37		1,1-dichloroethane	1.148	1.252	-9.1	102	0.00	8.19

Continuing Calibration Summary

Job Number: JB67744 **Sample:** V1C5741-CC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128735.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		chloroprene	0.846	0.940	-11.1	106	0.00	8.31
39		acrylonitrile	0.292	0.315	-7.9	100	0.00	7.51
40		vinyl acetate	0.102	0.096	5.9	93	0.00	8.21
41		ethyl tert-butyl ether	2.003	2.171	-8.4	102	0.00	8.72
42		ethyl acetate	0.119	0.117	1.7	87	0.00	9.05
43		2,2-dichloropropane	0.898	1.037	-15.5	111	0.00	9.01
44		cis-1,2-dichloroethene	0.623	0.700	-12.4	104	0.00	9.02
45		propionitrile	0.120	0.131	-9.2	98	0.00	9.11
46		methylacrylate	0.840	0.900	-7.1	96	0.00	9.12
47		bromochloromethane	0.318	0.350	-10.1	101	0.00	9.36
48		tetrahydrofuran	0.104	0.106	-1.9	93	0.01	9.42
49		chloroform	0.664	0.732	-10.2	103	0.00	9.44
50		T-BUTYL FORMATE	0.611	0.621	-1.6	96	0.00	9.47
51		isobutyl alcohol	0.049	0.042	14.3	76	0.00	9.97
52	S	dibromofluoromethane (s)	0.587	0.611	-4.1	109	0.00	9.65
53	S	1,2-dichloroethane-d4 (s)	0.681	0.722	-6.0	108	0.00	10.10
54		freon 113	0.415	0.523	-26.0#	116	0.00	6.29
55		methacrylonitrile	0.290	0.316	-9.0	99	0.00	9.31
56		1,1,1-trichloroethane	0.885	1.005	-13.6	107	0.00	9.69
57		Cyclohexane	0.923	1.009	-9.3	104	0.00	9.76
58	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	10.58
59		ISO-OCTANE	1.621	1.753	-8.1	102	0.00	10.18
60		epichlorohydrin	0.059	0.057	3.4	88	0.00	11.93
61		n-butyl alcohol	0.020	0.017	15.0	74	0.00	10.77
62		carbon tetrachloride	0.530	0.603	-13.8	106	0.00	9.90
63		1,1-dichloropropene	0.519	0.583	-12.3	102	0.00	9.89
64		hexane	0.454	0.553	-21.8#	115	0.00	7.90
65		benzene	1.579	1.710	-8.3	103	0.00	10.16
66		tert-amyl methyl ether	1.301	1.372	-5.5	98	0.00	10.22
67		heptane	0.287	0.322	-12.2	103	0.00	10.37
68		isopropyl acetate	1.192	1.201	-0.8	96	0.00	10.13
69		1,2-dichloroethane	0.518	0.588	-13.5	103	0.00	10.19
70		trichloroethene	0.378	0.431	-14.0	104	0.00	10.93
71		2-nitropropane	0.188	0.205	-9.0	101	0.00	11.77
72		2-chloroethyl vinyl ether	0.276	0.324	-17.4	107	0.00	11.80
73		methyl methacrylate	0.110	0.115	-4.5	96	0.00	11.25
74		1,2-dichloropropane	0.427	0.462	-8.2	100	0.00	11.21
75		dibromomethane	0.257	0.286	-11.3	101	0.00	11.38
76		methylcyclohexane	0.639	0.721	-12.8	108	0.00	11.15
77		bromodichloromethane	0.533	0.584	-9.6	102	0.00	11.53
78		ETHYL ACRYLATE		----------NA----------				
79		cis-1,3-dichloropropene	0.666	0.714	-7.2	98	0.00	12.02
80	S	toluene-d8 (s)	1.401	1.486	-6.1	110	0.00	12.32
81		4-methyl-2-pentanone	0.221	0.238	-7.7	98	0.00	12.14
82		toluene	0.941	1.019	-8.3	103	0.00	12.40
83		3-methyl-1-butanol	0.033	0.027	18.2	76	0.00	12.18
84		trans-1,3-dichloropropene	0.637	0.664	-4.2	97	0.00	12.63
85		ethyl methacrylate	0.590	0.626	-6.1	97	0.00	12.63
86		1,1,2-trichloroethane	0.327	0.355	-8.6	102	0.00	12.85
87		2-hexanone	0.206	0.220	-6.8	96	0.00	13.05
88	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	13.94
89		tetrachloroethene	0.361	0.395	-9.4	105	0.00	13.02
90		1,3-dichloropropane	0.667	0.708	-6.1	98	0.00	13.05
91		butyl acetate	0.373	0.347	7.0	88	0.00	13.14
92		3,3-DIMETHYL-1-BUTANOL	0.081	0.068	16.0	78	0.00	13.25
93		dibromochloromethane	0.495	0.509	-2.8	100	0.00	13.32
94		1,2-dibromoethane	0.427	0.455	-6.6	100	0.00	13.48
95		chlorobenzene	1.161	1.237	-6.5	103	0.00	13.97

Continuing Calibration Summary

Job Number: JB67744 **Sample:** V1C5741-CC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128735.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

96		1,1,1,2-tetrachloroethane	0.474	0.501	-5.7	103	0.00	14.05
97		ethylbenzene	2.026	2.133	-5.3	103	0.00	14.04
98		m,p-xylene	0.759	0.810	-6.7	104	0.00	14.16
99		o-xylene	0.785	0.838	-6.8	105	0.00	14.60
100		styrene	1.284	1.399	-9.0	104	0.00	14.62
101		Butyl Acrylate		----------NA----------				
102		bromoform	0.408	0.415	-1.7	97	0.00	14.89
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	16.42
104		isopropylbenzene	3.411	3.617	-6.0	105	0.00	14.97
105	S	4-bromofluorobenzene (s)	0.984	0.989	-0.5	109	0.00	15.19
106		cyclohexanone	0.069	0.141	-104.3#	181	0.00	15.14
107		bromobenzene	0.920	1.014	-10.2	107	0.00	15.38
108		1,1,2,2-tetrachloroethane	1.219	1.240	-1.7	99	0.00	15.31
109		trans-1,4-dichloro-2-bute	0.334	0.311	6.9	86	0.00	15.35
110		1,2,3-trichloropropane	0.285	0.286	-0.4	96	0.00	15.38
111		n-propylbenzene	3.979	4.180	-5.1	104	0.00	15.40
112		2-chlorotoluene	0.850	0.910	-7.1	104	0.00	15.56
113		4-chlorotoluene	2.494	2.629	-5.4	104	0.00	15.66
114		1,3,5-trimethylbenzene	2.964	3.150	-6.3	105	0.00	15.57
115		tert-butylbenzene	2.525	2.682	-6.2	103	0.00	15.93
116		pentachloroethane	0.631	0.715	-13.3	108	0.00	16.02
117		1,2,4-trimethylbenzene	2.949	3.103	-5.2	104	0.00	15.98
118		sec-butylbenzene	3.946	4.216	-6.8	104	0.00	16.16
119		1,3-dichlorobenzene	1.858	1.975	-6.3	106	0.00	16.36
120		p-isopropyltoluene	3.304	3.567	-8.0	104	0.00	16.29
121		1,2,3-trimethylbenzene		----------NA----------				
122		1,4-dichlorobenzene	1.922	2.030	-5.6	106	0.00	16.45
123		benzyl chloride	2.393	2.372	0.9	97	0.00	16.57
124		1,2-dichlorobenzene	1.874	2.042	-9.0	107	0.00	16.86
125		n-butylbenzene	1.725	1.870	-8.4	104	0.00	16.72
126		1,2-dibromo-3-chloropropa	0.247	0.258	-4.5	95	0.00	17.69
127		1,3,5-trichlorobenzene	1.595	1.849	-15.9	110	0.00	17.89
128		1,2,4-trichlorobenzene	1.459	1.684	-15.4	111	0.00	18.58
129		hexachlorobutadiene	0.769	0.900	-17.0	109	0.00	18.70
130		naphthalene	3.831	4.152	-8.4	103	0.00	18.87
131		1,2,3-trichlorobenzene	1.397	1.572	-12.5	108	0.00	19.13
132		hexachloroethane	0.620	0.715	-15.3	106	0.00	17.14

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

1C128182.D M1C5716.M Mon Jun 02 14:43:09 2014 RPT1

Initial Calibration Summary

Job Number: JB67744 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3V

Method : C:\MSDCHEM\1\METHODS\M3V474.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Calibration Files
0.2 =3V11183.D 0.5 =3V11184.D 5 =3V11187.D 50 =3V11190.D
100 =3V11191.D 1 =3V11185.D 200 =3V11192.D 20 =3V11189.D
2 =3V11186.D 10 =3V11188.D = =

Compound	0.2	0.5	5	50	100	1	200	20	2	10	Avg	%RSD
1) I Tert Butyl Alcohol-d9	ISTD											
2) 1,4-dioxane	0.115	0.133	0.139		0.129	0.122		0.126			0.127	6.64
3) Ethanol											0.000	-1.00
4) tertiary butyl alcohol	1.343	1.353	1.375		1.277	1.341	1.309	1.376			1.339	2.66
5) I pentafluorobenzene	ISTD											
6) chlorodifluoromethane	1.661	0.985	0.940		0.881	1.044		1.253			1.127	25.80
----- Linear regression ----- Coefficient = 0.9994												
Response Ratio = 0.09280 + 0.86592 *A												
7) dichlorodifluoromethane	1.304	1.383	1.367		1.333	1.380	1.133	1.398			1.328	6.92
8) chloromethane	1.023	1.169	1.244		1.315	1.150	0.993	1.109			1.143	10.01
9) vinyl chloride	1.129	1.282	1.331		1.389	1.251	0.994	1.239			1.231	10.74
10) bromomethane	0.809	0.790	0.769		0.707	0.811	0.749	0.833			0.781	5.49
11) chloroethane	0.407	0.417	0.421		0.376	0.437	0.340	0.445			0.406	9.08
12) trichlorofluoromethane	1.304	1.385	1.422		1.417	1.414	1.116	1.426			1.355	8.39
13) ethyl ether	0.246	0.254	0.264		0.269	0.279	0.196	0.250			0.251	10.71
14) 2-chloropropane	0.944	0.973	0.963		0.952	1.014		0.980			0.971	2.56
15) acrolein	0.125	0.091		0.086		0.108	0.094	0.098			0.101	14.01
16) 1,1-dichloroethene	0.741	0.668	0.670	0.665	0.623	0.656	0.716	0.663	0.690		0.677	5.10
17) acetone	0.203	0.152	0.153		0.165	0.217		0.173			0.177	15.20
18) allyl chloride	0.297	0.307	0.307		0.302	0.335		0.309			0.309	4.24
19) acetonitrile	0.046	0.042	0.042		0.039	0.048		0.045			0.044	7.16
20) iodomethane	1.410	1.477	1.485	1.157	1.496	1.549	1.287	1.450			1.414	9.15
21) iso-butyl alcohol	0.019	0.018	0.018		0.018	0.022		0.019			0.019	8.39

Initial Calibration Summary

Job Number: JB67744 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

22) carbon disulfide
2.381 2.519 2.626 2.606 2.086 2.573 2.751 2.312 2.626 2.498 8.16
23) methylene chloride
0.827 0.734 0.740 0.745 0.794 0.940 0.785 0.795 9.11
24) 1-chloropropane
1.415 0.938 0.925 0.893 1.130 1.190 1.082 18.76
25) methyl acetate
0.064 0.071 0.074 0.069 0.079 0.067 0.071 7.46
26) methyl tert butyl ether
1.442 1.652 1.708 1.736 1.318 1.757 1.855 1.506 1.678 1.628 10.54
27) trans-1,2-dichloroethene
0.817 0.715 0.697 0.693 0.693 0.683 0.743 0.692 0.715 0.716 5.83
28) di-isopropyl ether
1.584 1.774 1.808 1.850 1.401 1.828 1.787 1.548 1.816 1.711 9.28
29) ethyl tert-butyl ether
1.437 1.733 1.850 1.927 1.426 1.922 1.819 1.519 1.809 1.716 11.76
30) 2-butanone
0.042 0.055 0.059 0.061 0.066 0.051 0.056 15.43
31) 1,1-dichloroethane
0.925 1.162 1.154 1.163 0.866 1.158 1.238 1.016 1.191 1.097 11.77
32) chloroprene
0.727 0.781 0.808 0.526 0.771 0.769 0.648 0.760 0.724 12.88
33) acrylonitrile
0.160 0.161 0.162 0.157 0.189 0.139 0.160 0.161 9.00
34) vinyl acetate
0.049 0.066 0.071 0.068 0.067 0.054 0.062 13.90
35) ethyl acetate
0.051 0.053 0.056 0.052 0.061 0.056 0.055 6.65
36) 2,2-dichloropropane
0.982 1.141 1.178 1.158 0.903 1.155 1.218 1.076 1.176 1.110 9.34
37) cis-1,2-dichloroethene
1.098 0.783 0.751 0.752 0.843 0.762 0.807 0.820 0.734 0.817 13.65
38) propionitrile
0.072 0.069 0.069 0.067 0.082 0.069 0.071 7.45
39) methyl acrylate
0.454 0.451 0.465 0.457 0.524 0.443 0.466 6.36
40) bromochloromethane
0.344 0.352 0.364 0.240 0.366 0.380 0.307 0.342 0.337 13.28
41) tetrahydrofuran
0.140 0.145 0.146 0.139 0.171 0.151 0.149 7.78
42) chloroform
1.347 1.186 1.179 1.179 1.084 1.201 1.241 1.111 1.194 1.191 6.32
43) dibromofluoromethane (s)
0.805 0.585 0.620 0.624 0.595 0.644 0.628 0.570 0.622 0.633 10.87
44) 1,2-dichloroethane-d4 (s)
0.697 0.510 0.541 0.542 0.509 0.550 0.564 0.524 0.550 0.554 10.23
45) freon 113
0.614 0.623 0.637 0.588 0.617 0.504 0.645 0.604 7.90
46) methacrylonitrile
0.228 0.227 0.232 0.229 0.259 0.221 0.221 0.231 5.57
47) 1,1,1-trichloroethane
1.002 1.112 1.182 1.173 0.911 1.164 1.218 1.039 1.180 1.109 9.29
48) tert-amyl methyl ether
1.709 1.729 1.781 1.880 1.395 1.884 1.793 1.493 1.763 1.714 9.69

49) I 1,4-difluorobenzene ----------ISTD----------
50) epichlorohydrin
0.028 0.027 0.028 0.027 0.030 0.027 0.028 3.66
51) n-butyl alcohol
0.011 0.011 0.012 0.011 0.013 0.009 0.011 0.011 9.92

Initial Calibration Summary

Job Number: JB67744 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

52) cyclohexane
0.677 0.695 0.694 0.496 0.679 0.715 0.562 0.698 0.652 12.07
53) carbon tetrachloride
0.566 0.680 0.721 0.710 0.529 0.694 0.724 0.612 0.711 0.661 11.04
54) 1,1-dichloropropene
0.465 0.521 0.554 0.552 0.432 0.550 0.565 0.478 0.554 0.519 9.34
55) hexane
0.428 0.427 0.441 0.367 0.406 0.428 0.364 0.443 0.413 7.60
56) ISOOCTANE
1.372 1.585 1.687 1.654 1.444 1.113 1.449 1.472 13.37
57) benzene
1.518 1.530 1.596 1.610 1.608 1.376 1.616 1.654 1.466 1.609 1.558 5.50
58) heptane
0.266 0.271 0.276 0.175 0.257 0.278 0.222 0.271 0.252 14.28
59) isopropyl acetate
0.736 0.749 0.764 0.720 0.773 0.667 0.740 0.736 4.77
60) 1,2-dichloroethane
0.403 0.457 0.461 0.465 0.352 0.464 0.485 0.395 0.451 0.437 10.01
61) trichloroethene
0.376 0.417 0.433 0.431 0.335 0.431 0.444 0.364 0.429 0.407 9.44
62) ethyl acrylate
0.000 -1.00
63) 2-nitropropane
0.515 0.522 0.532 0.510 0.543 0.499 0.520 2.99
64) 2-chloroethyl vinyl ether
0.126 0.150 0.156 0.160 0.107 0.154 0.159 0.125 0.148 0.143 13.00
65) methyl methacrylate
0.271 0.272 0.274 0.222 0.256 0.266 0.232 0.273 0.258 7.85
66) 1,2-dichloropropane
0.344 0.387 0.397 0.393 0.305 0.403 0.411 0.347 0.385 0.375 9.37
67) methylcyclohexane
0.672 0.733 0.749 0.507 0.707 0.692 0.596 0.713 0.671 12.07
68) dibromomethane
0.243 0.250 0.252 0.171 0.251 0.263 0.213 0.242 0.236 12.57
69) bromodichloromethane
0.459 0.501 0.537 0.541 0.395 0.554 0.544 0.440 0.514 0.498 11.08
70) cis-1,3-dichloropropene
0.481 0.554 0.601 0.602 0.436 0.626 0.610 0.503 0.573 0.554 11.97
71) toluene-d8 (s)
1.467 1.153 1.270 1.248 1.099 1.274 1.249 1.117 1.268 1.238 8.89
72) 4-methyl-2-pentanone
0.110 0.117 0.119 0.116 0.133 0.101 0.111 0.115 8.59
73) toluene
1.038 0.943 0.873 0.922 0.911 0.786 0.930 0.939 0.845 0.909 0.910 7.32
74) 3-methyl-1-butanol
0.009 0.010 0.011 0.010 0.011 0.008 0.009 0.010 11.34
75) trans-1,3-dichloropropene
0.382 0.491 0.514 0.512 0.365 0.528 0.536 0.432 0.481 0.471 13.46
76) ethyl methacrylate
0.333 0.362 0.371 0.377 0.388 0.293 0.334 0.351 9.38
77) 1,1,2-trichloroethane
0.206 0.271 0.271 0.267 0.206 0.277 0.282 0.247 0.265 0.255 11.51
78) 2-hexanone
0.098 0.102 0.103 0.109 0.121 0.097 0.105 8.44

79) I chlorobenzene-d5 ----------ISTD----------
80) tetrachloroethene
0.398 0.472 0.489 0.501 0.375 0.490 0.514 0.453 0.484 0.464 10.20
81) 1,3-dichloropropane
0.392 0.488 0.498 0.495 0.365 0.505 0.536 0.458 0.490 0.470 11.93

Initial Calibration Summary

Job Number: JB67744 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

82)	butyl acetate										
		0.189	0.196	0.196		0.181	0.229	0.171	0.193	0.194	9.22
83)	dibromochloromethane										
		0.420	0.458	0.474	0.303	0.480	0.473	0.407	0.423	0.430	13.57
84)	1,2-dibromoethane										
		0.284	0.343	0.359	0.363	0.268	0.364	0.389	0.306	0.344	0.336	12.11
85)	n-Butyl ether										
										0.000	-1.00
86)	chlorobenzene										
	1.046	1.027	1.150	1.192	1.191	0.975	1.192	1.242	1.077	1.178	1.127	7.89
87)	1,1,1,2-tetrachloroethane										
		0.370	0.457	0.505	0.518	0.361	0.531	0.508	0.431	0.474	0.462	13.62
88)	ethylbenzene										
	2.148	1.864	1.937	2.042	2.010	1.671	2.031	2.106	1.831	1.999	1.964	7.25
89)	m,p-xylene										
	0.979	0.723	0.740	0.794	0.778	0.639	0.770	0.817	0.681	0.777	0.770	11.87
90)	o-xylene										
	0.711	0.598	0.754	0.829	0.825	0.610	0.832	0.838	0.702	0.777	0.748	12.08
91)	styrene										
	1.008	0.962	1.141	1.286	1.279	0.895	1.277	1.313	1.043	1.207	1.141	13.46
92)	bromoform										
		0.285	0.321	0.334	0.344	0.239	0.344	0.356	0.293	0.309	0.314	11.80
93)	I 1,4-dichlorobenzene-d ----------ISTD----------										
94)	isopropylbenzene										
		2.885	2.986	3.432	3.461	2.546	3.620	3.458	2.888	3.166	3.160	11.31
95)	4-bromofluorobenzene (s)										
		0.827	0.860	0.839	1.005	0.871	0.875	0.867	0.870	0.877	6.23
96)	bromobenzene										
		0.745	0.892	0.907	0.906	0.748	0.931	0.936	0.899	0.881	0.872	8.37
97)	cyclohexanone										
		0.113	0.106	0.117		0.135	0.161		0.105	0.123	17.50
98)	1,1,2,2-tetrachloroethane										
		0.764	0.822	0.844	0.842	0.613	0.873	0.926	0.854	0.808	0.816	10.81
99)	trans-1,4-dichloro-2-butene										
		0.168	0.180	0.183		0.190	0.199		0.174	0.182	6.18
100)	1,2,3-trichloropropane										
		0.185	0.181	0.178	0.123	0.179	0.201	0.184	0.177	0.176	12.98
101)	n-propylbenzene										
		3.580	3.811	4.087	4.004	3.063	4.061	4.125	3.583	3.987	3.811	9.14
102)	2-chlorotoluene										
		0.669	0.853	0.895	0.884	0.635	0.899	0.907	0.771	0.862	0.819	12.64
103)	4-chlorotoluene										
		2.274	2.372	2.442	2.431	2.039	2.498	2.523	2.256	2.423	2.362	6.39
104)	1,3,5-trimethylbenzene										
		2.304	2.695	3.009	3.061	2.154	3.208	2.989	2.438	2.805	2.740	13.45
105)	tert-butylbenzene										
		2.024	2.374	2.481		2.595	2.321	1.848	2.137	2.254	11.71
106)	pentachloroethane										
		0.517	0.622	0.647		0.692	0.602	0.489	0.542	0.587	12.58
107)	1,2,4-trimethylbenzene										
		2.914	2.840	3.028	3.043	2.459	3.140	3.079	2.652	2.928	2.898	7.59
108)	sec-butylbenzene										
		3.592	4.089	4.189	2.734	4.314	4.060	3.268	3.823	3.759	14.28
109)	1,3-dichlorobenzene										
		1.870	1.877	1.891	1.892	1.554	1.911	1.957	1.794	1.867	1.846	6.37
110)	p-isopropyltoluene										
		2.522	3.105	3.463	3.475	2.380	3.558	3.446	2.797	3.234	3.109	14.22
111)	1,4-dichlorobenzene										
		1.882	1.866	1.893	1.904	1.666	1.897	1.959	1.829	1.873	1.863	4.38

Initial Calibration Summary

Job Number: JB67744 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
112)  1,2-dichlorobenzene
             1.722 1.864 1.850 1.886 1.592 1.930 1.937 1.779 1.848  1.823    6.04
113)  n-butylbenzene
             1.575 1.791 1.897 1.919 1.393 1.899 1.972 1.685 1.854  1.776   10.74
114)  1,2-dibromo-3-chloropropane
                   0.190 0.172 0.175       0.176 0.193 0.201 0.173  0.183    6.30
115)  1,3,5-TRICHLOROBENZENE
             1.792 1.792 1.909 1.924 1.556 1.907 1.933 1.753 1.854  1.824    6.59
116)  1,2,4-trichlorobenzene
             1.763 1.662 1.786 1.800 1.398 1.763 1.795 1.696 1.712  1.708    7.36
117)  hexachlorobutadiene
             0.739 0.890 0.960 0.986 0.723 0.975 0.951 0.853 0.927  0.890   11.12
118)  naphthalene
             3.814 3.277 3.447 3.536 2.872 3.393 3.675 3.354 3.275  3.405    7.91
119)  1,2,3-trichlorobenzene
             1.615 1.544 1.679 1.681 1.351 1.633 1.703 1.558 1.611  1.597    6.70
120)  hexachloroethane
                   0.605 0.701 0.755 0.564 0.833 0.663 0.630 0.623  0.672   13.08
121)  Benzyl chloride
                   1.626 1.648 1.709 1.387 1.692 1.708 1.533 1.620  1.615    6.76
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3V474.M          Thu May 29 13:09:38 2014   GCMS3V
```

Initial Calibration Verification

Job Number: JB67744 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11195.D Vial: 14
Acq On : 22 May 2014 3:41 pm Operator: thienn
Sample : icv474-50 Inst : MS3V
Misc : MS65178,V3V474,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3V474.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu May 29 12:53:16 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	105	-0.01	7.30
2		1,4-dioxane	0.127	0.140	-10.2	111	0.00	11.51
3		Ethanol	----------NA----------					
4	M	tertiary butyl alcohol	1.339	1.384	-3.4	108	-0.02	7.44
5	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	9.79
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	50.000	39.671	20.7	85	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.382	-4.1	108	0.00	3.54
8		chloromethane	1.143	1.190	-4.1	110	0.02	3.87
9		vinyl chloride	1.231	1.303	-5.8	110	0.00	4.13
10		bromomethane	0.781	0.767	1.8	105	0.01	4.82
11		chloroethane	0.406	0.419	-3.2	108	0.00	4.99
12		trichlorofluoromethane	1.355	1.417	-4.6	110	0.00	5.51
13		ethyl ether	0.251	0.257	-2.4	109	0.00	5.96
14		2-chloropropane	0.971	0.933	3.9	103	0.01	6.19
15		acrolein	0.101	0.097	4.0	115	0.00	6.29
16		1,1-dichloroethene	0.677	0.644	4.9	104	0.00	6.44
17		acetone	0.177	0.127	28.2	90	0.00	6.55
18		allyl chloride	0.309	0.338	-9.4	119	0.00	7.05
19		acetonitrile	0.044	0.043	2.3	110	0.00	7.06
20		iodomethane	1.414	1.398	1.1	102	0.00	6.75
21		iso-butyl alcohol	0.019	0.019	0.0	113	0.00	10.15
22		carbon disulfide	2.498	2.538	-1.6	104	0.00	6.86
23		methylene chloride	0.795	0.718	9.7	105	0.00	7.29
24		1-chloropropane	1.082	0.911	15.8	105	0.00	7.30
25		methyl acetate	0.071	0.063	11.3	96	0.00	7.05
26		methyl tert butyl ether	1.628	1.645	-1.7	104	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.658	8.1	102	0.00	7.70
28		di-isopropyl ether	1.711	1.795	-4.9	107	0.00	8.34
29		ethyl tert-butyl ether	1.716	1.802	-5.0	105	0.00	8.86
30		2-butanone	0.056	0.052	7.1	102	0.01	9.19
31	M	1,1-dichloroethane	1.097	1.143	-4.2	107	0.00	8.36
32		chloroprene	0.724	0.682	5.8	94	0.00	8.48
33		acrylonitrile	0.161	0.158	1.9	106	0.00	7.70
34		vinyl acetate	0.062	0.069	-11.3	114	0.00	8.37
35		ethyl acetate	0.055	0.053	3.6	107	0.00	9.20
36		2,2-dichloropropane	1.110	1.141	-2.8	104	0.00	9.19
37		cis-1,2-dichloroethene	0.817	0.720	11.9	103	0.00	9.20

Initial Calibration Verification

Job Number: JB67744 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.067	5.6	105	0.00	9.32
39		methyl acrylate	0.466	0.440	5.6	105	0.00	9.29
40		bromochloromethane	0.337	0.339	-0.6	104	0.00	9.54
41		tetrahydrofuran	0.149	0.140	6.0	104	0.00	9.58
42		chloroform	1.191	1.156	2.9	106	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.589	7.0	102	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.513	7.4	102	0.00	10.28
45		freon 113	0.604	0.594	1.7	103	0.00	6.41
46		methacrylonitrile	0.231	0.217	6.1	103	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.144	-3.2	104	0.00	9.85
48		tert-amyl methyl ether	1.714	1.742	-1.6	105	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.75
50		epichlorohydrin	0.028	0.026	7.1	103	0.00	12.07
51		n-butyl alcohol	0.011	0.012	-9.1	109	0.00	10.93
52	M	cyclohexane	0.652	0.659	-1.1	103	0.00	9.91
53		carbon tetrachloride	0.661	0.684	-3.5	103	0.00	10.06
54		1,1-dichloropropene	0.519	0.509	1.9	99	0.00	10.05
55		hexane	0.413	0.547	-32.4#	139	0.00	8.03
56		ISOOCTANE	1.472	1.405	4.6	96	0.00	10.32
57	M	benzene	1.558	1.565	-0.4	105	0.00	10.33
58		heptane	0.252	0.324	-28.6	129	0.00	10.51
59		isopropyl acetate	0.736	0.761	-3.4	110	0.00	10.29
60		1,2-dichloroethane	0.437	0.442	-1.1	104	0.00	10.37
61		trichloroethene	0.407	0.415	-2.0	104	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.567	-9.0	118	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.173	-21.0	120	0.00	11.94
65		methyl methacrylate	0.258	0.350	-35.7#	140	0.00	11.28
66		1,2-dichloropropane	0.375	0.389	-3.7	106	0.00	11.37
67		methylcyclohexane	0.671	0.681	-1.5	101	0.00	11.29
68		dibromomethane	0.236	0.240	-1.7	104	0.00	11.54
69		bromodichloromethane	0.498	0.524	-5.2	106	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.573	-3.4	103	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.196	3.4	102	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.114	0.9	106	0.00	12.25
73		toluene	0.910	0.891	2.1	105	0.00	12.49
74		3-methyl-1-butanol	0.010	0.010	0.0	105	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.476	-1.1	100	0.00	12.72
76		ethyl methacrylate	0.351	0.345	1.7	103	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.258	-1.2	103	0.00	12.94
78		2-hexanone	0.105	0.099	5.7	104	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	13.97
80		tetrachloroethene	0.464	0.471	-1.5	105	0.00	13.08
81		1,3-dichloropropane	0.470	0.474	-0.9	104	0.00	13.12
82		butyl acetate	0.194	0.190	2.1	106	0.00	13.19
83		dibromochloromethane	0.430	0.431	-0.2	102	0.00	13.39
84		1,2-dibromoethane	0.336	0.337	-0.3	102	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.144	-1.5	105	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.477	-3.2	103	0.00	14.07
88		ethylbenzene	1.964	1.933	1.6	103	0.00	14.05
89		m,p-xylene	0.770	0.753	2.2	103	0.00	14.16
90		o-xylene	0.748	0.794	-6.1	104	0.00	14.60
91		styrene	1.141	1.230	-7.8	104	0.00	14.61
92		bromoform	0.314	0.312	0.6	102	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	16.32
94		isopropylbenzene	3.160	3.254	-3.0	103	0.00	14.94

Initial Calibration Verification

Job Number: JB67744 **Sample:** V3V474-ICV474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11195.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.809	7.8	103	0.00	15.17
96		bromobenzene	0.872	0.863	1.0	104	0.00	15.36
97		cyclohexanone	0.123	0.045	63.4#	46#	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.766	6.1	99	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.169	7.1	102	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.165	6.2	99	0.00	15.36
101		n-propylbenzene	3.811	4.076	-7.0	109	0.00	15.36
102		2-chlorotoluene	0.819	0.837	-2.2	102	0.00	15.52
103		4-chlorotoluene	2.362	2.336	1.1	104	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	2.849	-4.0	103	0.00	15.52
105		tert-butylbenzene	2.254	2.273	-0.8	104	0.00	15.86
106		pentachloroethane	0.587	0.598	-1.9	105	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.057	-5.5	110	0.00	15.91
108		sec-butylbenzene	3.759	3.879	-3.2	103	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.793	2.9	103	0.00	16.27
110		p-isopropyltoluene	3.109	3.289	-5.8	104	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.794	3.7	103	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.777	2.5	105	0.00	16.73
113		n-butylbenzene	1.776	1.874	-5.5	108	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.163	10.9	103	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.870	-2.5	107	0.00	17.63
116		1,2,4-trichlorobenzene	1.708	1.743	-2.0	106	0.00	18.21
117		hexachlorobutadiene	0.890	0.908	-2.0	103	0.00	18.30
118		naphthalene	3.405	3.278	3.7	104	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.624	-1.7	105	0.00	18.69
120		hexachloroethane	0.672	0.675	-0.4	105	0.00	16.97
121		Benzyl chloride	1.615	1.697	-5.1	112	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11190.D M3V474.M Thu May 29 13:08:48 2014 GCMS3V

Continuing Calibration Summary

Job Number: JB67744 **Sample:** V3V477-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11238.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11238.D Vial: 3
Acq On : 28 May 2014 9:32 am Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS65178,V3V477,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3V474.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri May 23 14:13:17 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	77	0.00	7.30
2		1,4-dioxane	0.127	0.144	-13.4	91	0.00	11.50
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.430	-6.8	82	-0.04	7.42
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	23.112	-15.6	120	0.00	3.54
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.426	-7.4	105	-0.01	3.53
8		chloromethane	1.143	1.186	-3.8	105	0.00	3.85
9		vinyl chloride	1.231	1.312	-6.6	107	0.00	4.12
10		bromomethane	0.781	0.854	-9.3	107	0.00	4.80
11		chloroethane	0.406	0.437	-7.6	102	0.00	4.99
12		trichlorofluoromethane	1.355	1.440	-6.3	104	0.00	5.51
13		ethyl ether	0.251	0.246	2.0	90	0.00	5.96
14		2-chloropropane	0.954	0.994	-4.2	100	0.00	6.18
15		acrolein	0.101	0.090	10.9	85	0.00	6.28
16		1,1-dichloroethene	0.677	0.661	2.4	94	0.00	6.43
17		acetone	0.177	0.152	14.1	72	0.00	6.54
18		allyl chloride	0.309	0.321	-3.9	98	-0.01	7.04
19		acetonitrile	0.044	0.042	4.5	90	-0.01	7.05
20		iodomethane	1.414	1.473	-4.2	97	0.00	6.74
21		iso-butyl alcohol	0.019	0.018	5.3	84	-0.01	10.14
22		carbon disulfide	2.498	2.703	-8.2	100	0.00	6.85
23		methylene chloride	0.795	0.801	-0.8	103	0.00	7.28
24		1-chloropropane	1.082	1.043	3.6	94	0.00	7.30
25		methyl acetate	0.071	0.069	2.8	89	0.00	7.05
26		methyl tert butyl ether	1.628	1.677	-3.0	92	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.694	3.1	95	0.00	7.69
28		di-isopropyl ether	1.711	1.787	-4.4	102	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.773	-3.3	99	0.00	8.85
30		2-butanone	0.056	0.049	12.5	75	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.171	-6.7	96	0.00	8.36
32		chloroprene	0.724	0.755	-4.3	100	0.00	8.47
33		acrylonitrile	0.161	0.158	1.9	86	0.00	7.69
34		vinyl acetate	0.062	0.061	1.6	94	-0.01	8.36
35		ethyl acetate	0.055	0.054	1.8	90	0.00	9.20
36		2,2-dichloropropane	1.110	1.201	-8.2	101	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.719	12.0	91	0.00	9.19

Continuing Calibration Summary

Job Number: JB67744 **Sample:** V3V477-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11238.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.067	0.067	0.0	83	-0.01	9.31
39		methyl acrylate	0.466	0.439	5.8	85	0.00	9.28
40		bromochloromethane	0.337	0.350	-3.9	94	0.00	9.54
41		tetrahydrofuran	0.149	0.145	2.7	87	0.00	9.57
42		chloroform	1.191	1.167	2.0	96	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.664	-4.9	108	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.560	-1.1	101	0.00	10.28
45		freon 113	0.604	0.630	-4.3	104	0.00	6.40
46		methacrylonitrile	0.231	0.213	7.8	84	0.00	9.49
47		1,1,1-trichloroethane	1.109	1.190	-7.3	100	0.00	9.85
48		tert-amyl methyl ether	1.714	1.736	-1.3	99	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	10.75
50		epichlorohydrin	0.027	0.027	0.0	88	0.00	12.07
51		n-butyl alcohol	0.011	0.011	0.0	81	0.00	10.93
52	M	cyclohexane	0.652	0.734	-12.6	100	0.00	9.90
53		carbon tetrachloride	0.661	0.736	-11.3	99	0.00	10.06
54		1,1-dichloropropene	0.519	0.557	-7.3	96	0.00	10.04
55		hexane	0.413	0.427	-3.4	97	-0.01	8.01
56		ISOOCTANE	1.472	1.459	0.9	98	0.00	10.30
57	M	benzene	1.558	1.669	-7.1	98	0.00	10.33
58		heptane	0.252	0.276	-9.5	96	0.00	10.50
59		isopropyl acetate	0.736	0.751	-2.0	94	0.00	10.29
60		1,2-dichloroethane	0.437	0.465	-6.4	93	0.00	10.37
61		trichloroethene	0.407	0.437	-7.4	95	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.522	-0.4	93	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.156	-9.1	96	0.00	11.94
65		methyl methacrylate	0.258	0.272	-5.4	99	0.00	11.29
66		1,2-dichloropropane	0.375	0.402	-7.2	95	0.00	11.37
67		methylcyclohexane	0.671	0.713	-6.3	100	0.00	11.29
68		dibromomethane	0.236	0.250	-5.9	92	0.00	11.54
69		bromodichloromethane	0.498	0.531	-6.6	95	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.597	-7.8	95	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.433	-15.8	111	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.111	3.5	81	0.00	12.25
73		toluene	0.910	0.917	-0.8	95	0.00	12.49
74		3-methyl-1-butanol	0.010	0.010	0.0	83	0.00	12.29
75		trans-1,3-dichloropropene	0.471	0.511	-8.5	93	0.00	12.72
76		ethyl methacrylate	0.351	0.348	0.9	87	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.271	-6.3	93	0.00	12.94
78		2-hexanone	0.105	0.100	4.8	81	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00	13.96
80		tetrachloroethene	0.464	0.507	-9.3	93	0.00	13.08
81		1,3-dichloropropane	0.470	0.523	-11.3	92	0.00	13.12
82		butyl acetate	0.194	0.200	-3.1	82	0.00	13.19
83		dibromochloromethane	0.430	0.468	-8.8	93	0.00	13.39
84		1,2-dibromoethane	0.336	0.378	-12.5	91	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.255	-11.4	95	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.524	-13.4	97	0.00	14.07
88		ethylbenzene	1.964	2.133	-8.6	95	0.00	14.05
89		m,p-xylene	0.770	0.834	-8.3	96	0.00	14.16
90		o-xylene	0.748	0.848	-13.4	95	0.00	14.60
91		styrene	1.141	1.311	-14.9	94	0.00	14.61
92		bromoform	0.314	0.346	-10.2	91	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	93	0.00	16.32
94		isopropylbenzene	3.160	3.504	-10.9	95	0.00	14.94

Continuing Calibration Summary

Job Number: JB67744 **Sample:** V3V477-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11238.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	1.011	-15.3	108	0.00	15.17
96		bromobenzene	0.872	0.960	-10.1	96	0.00	15.36
97		cyclohexanone	0.123	0.089	27.6#	51	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.882	-8.1	89	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.194	-6.6	91	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.189	-7.4	88	0.00	15.36
101		n-propylbenzene	3.811	4.245	-11.4	96	0.00	15.36
102		2-chlorotoluene	0.819	0.924	-12.8	95	0.00	15.52
103		4-chlorotoluene	2.362	2.582	-9.3	96	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.060	-11.7	96	0.00	15.52
105		tert-butylbenzene	2.254	2.362	-4.8	95	0.00	15.86
106		pentachloroethane	0.587	0.621	-5.8	96	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.124	-7.8	95	0.00	15.91
108		sec-butylbenzene	3.759	4.165	-10.8	96	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.993	-8.0	95	0.00	16.27
110		p-isopropyltoluene	3.109	3.520	-13.2	95	0.00	16.19
111		1,4-dichlorobenzene	1.863	2.000	-7.4	95	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.961	-7.6	95	0.00	16.73
113		n-butylbenzene	1.776	1.974	-11.1	93	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.174	4.9	84	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.973	-8.2	95	0.00	17.63
116		1,2,4-trichlorobenzene	1.708	1.852	-8.4	96	0.00	18.21
117		hexachlorobutadiene	0.890	0.960	-7.9	94	0.00	18.30
118		naphthalene	3.405	3.561	-4.6	90	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.715	-7.4	94	0.00	18.69
120		hexachloroethane	0.672	0.698	-3.9	98	0.00	16.96
121		Benzyl chloride	1.615	1.717	-6.3	94	0.00	16.47

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

3V11189.D M3V474.M Thu May 29 09:05:43 2014 GCMS3V

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11245.D
Acq On : 28 May 2014 1:14 pm
Operator : thienn
Sample : jb67744-1
Misc : MS68115,V3V477,4.9,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

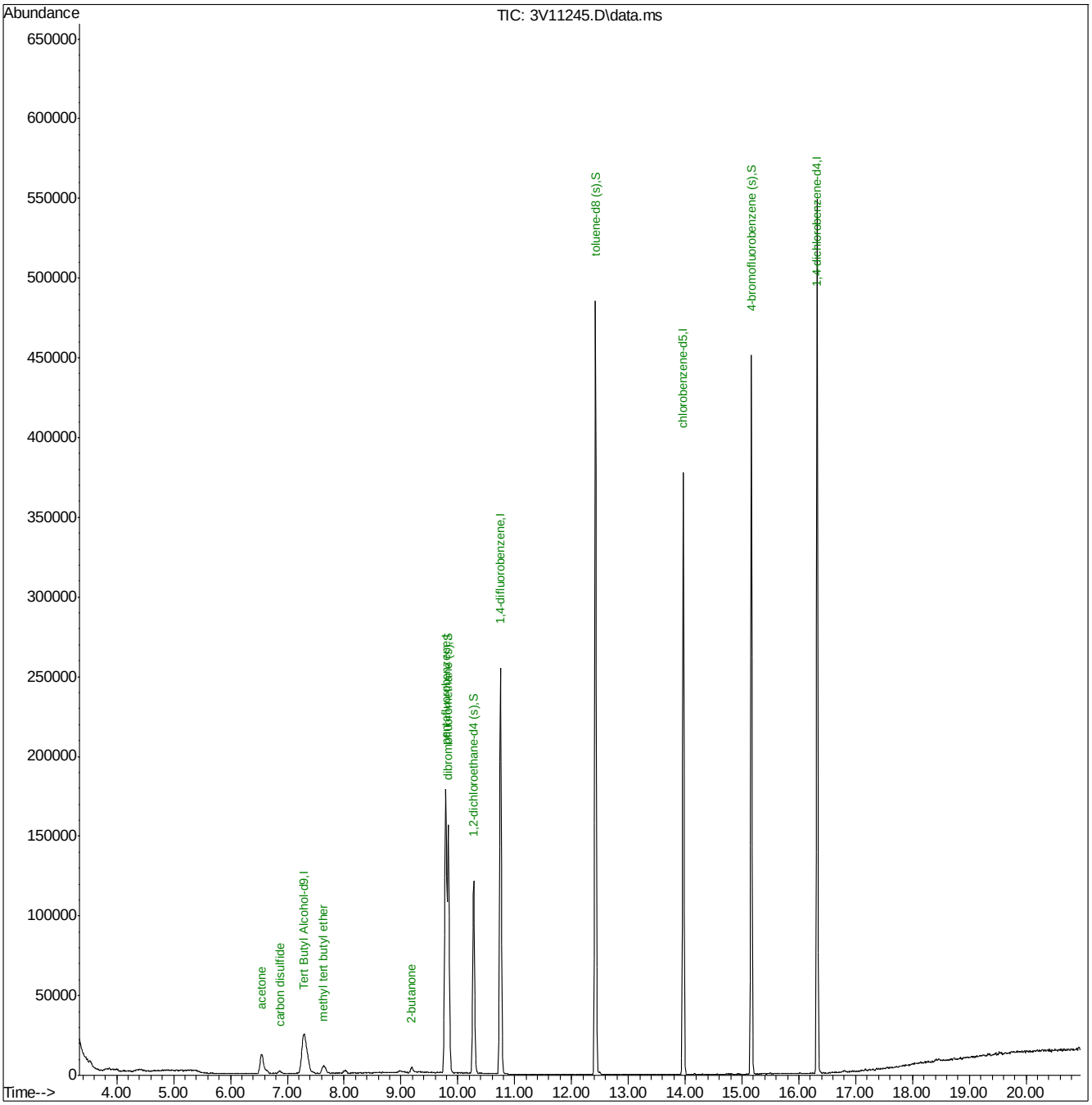
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	85893	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	170286	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	250450	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	226456	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	140207	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	116229	53.94	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.88%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	100177	53.10	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 106.20%			
71) toluene-d8 (s)	12.418	98	354373	57.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 114.26%			
95) 4-bromofluorobenzene (s)	15.165	95	146451	59.57	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.14%			
Target Compounds						Qvalue
17) acetone	6.540	43	35528	58.95	ug/L	98
22) carbon disulfide	6.865	76	4133	0.49	ug/L	90
26) methyl tert butyl ether	7.636	73	11576	2.09	ug/L	97
30) 2-butanone	9.183	72	1681	8.86	ug/L #	1

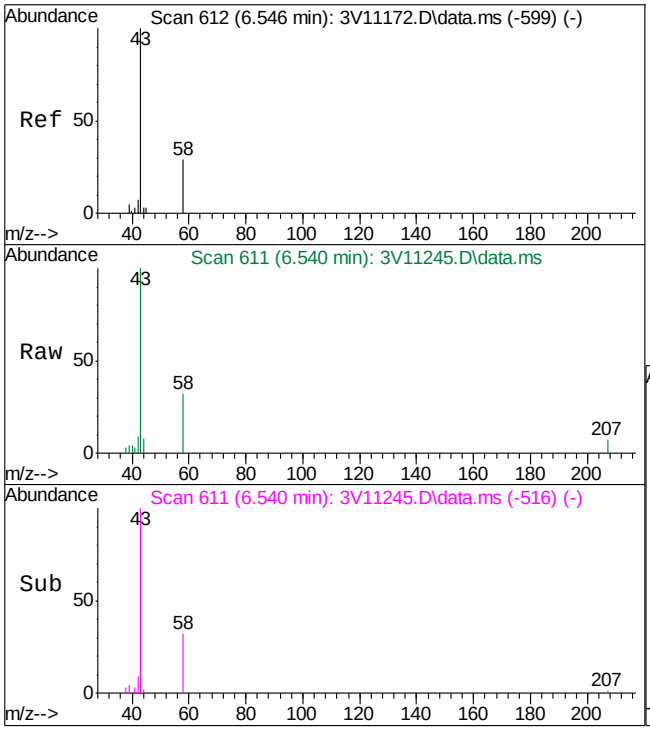
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11245.D
Acq On : 28 May 2014 1:14 pm
Operator : thienn
Sample : jb67744-1
Misc : MS68115,V3V477,4.9,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 09:10:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

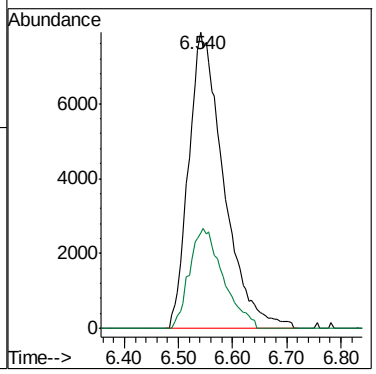


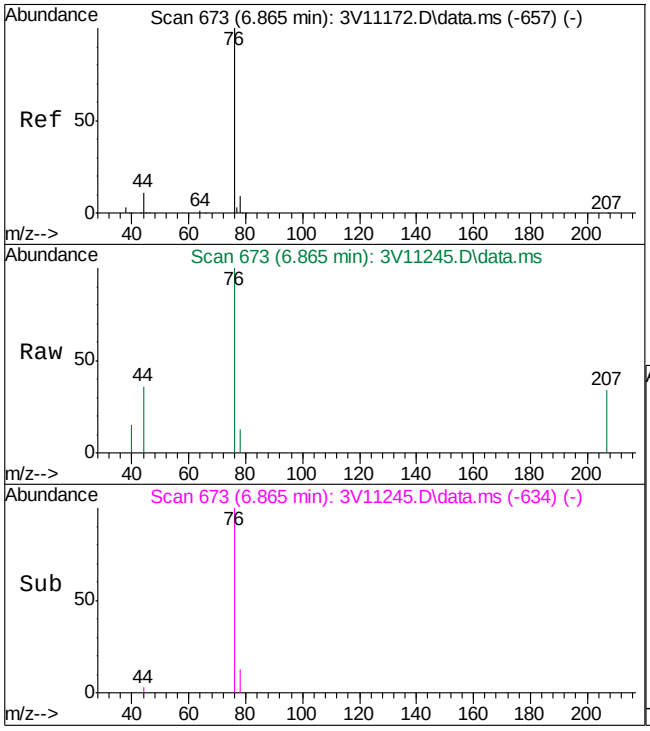


#17
acetone
Concen: 58.95 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11245.D
Acq: 28 May 2014 1:14 pm

Tgt Ion: 43 Resp: 35528

Ion	Ratio	Lower	Upper
43	100		
58	32.4	3.8	63.8

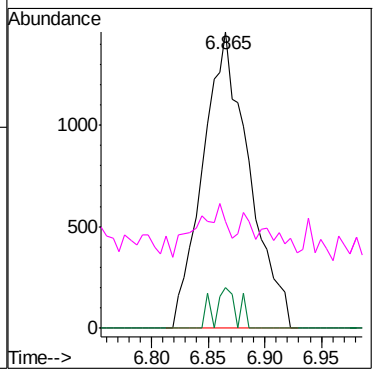


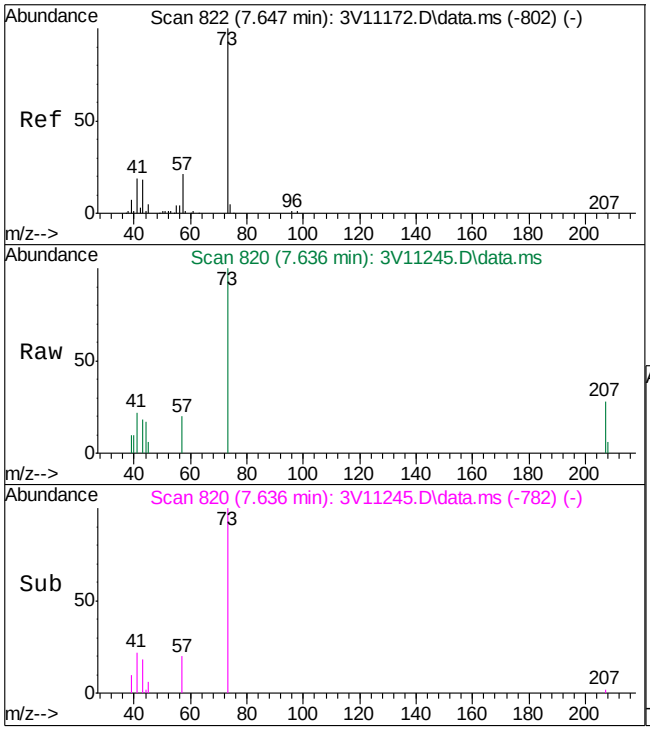


#22
carbon disulfide
Concen: 0.49 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11245.D
Acq: 28 May 2014 1:14 pm

Tgt Ion: 76 Resp: 4133

Ion	Ratio	Lower	Upper
76	100		
78	13.5	0.0	39.0
44	7.8	0.0	40.7

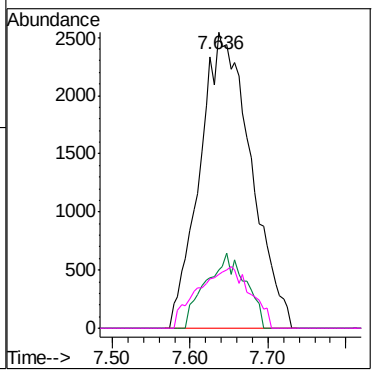


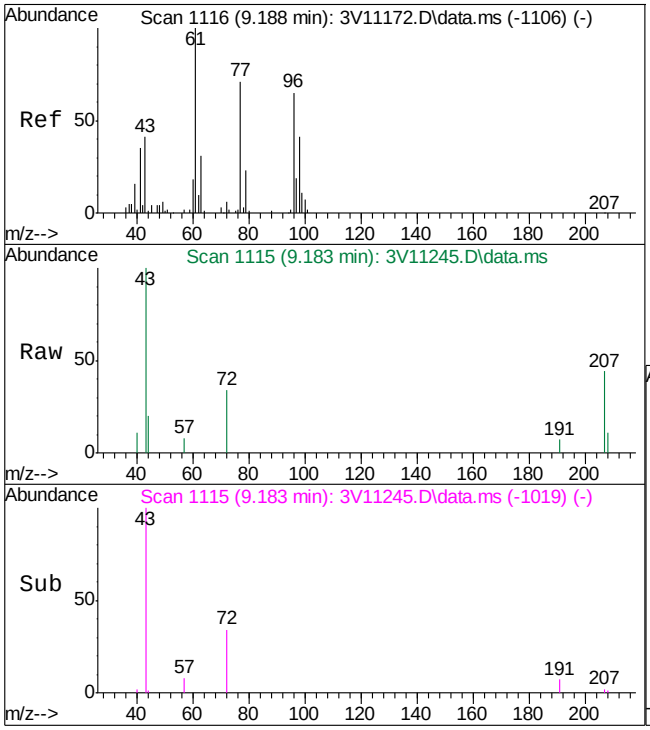


#26
methyl tert butyl ether
Concen: 2.09 ug/L
RT: 7.636 min Scan# 820
Delta R.T. 0.000 min
Lab File: 3V11245.D
Acq: 28 May 2014 1:14 pm

Tgt Ion: 73 Resp: 11576

Ion	Ratio	Lower	Upper
73	100		
57	19.9	0.0	51.6
43	18.0	0.0	48.7

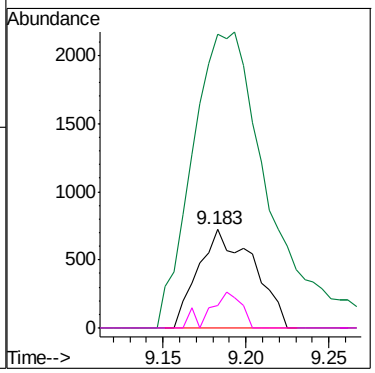




#30
2-butanone
Concen: 8.86 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11245.D
Acq: 28 May 2014 1:14 pm

Tgt Ion: 72 Resp: 1681

Ion	Ratio	Lower	Upper
72	100		
43	412.3	704.9	1309.1#
57	21.0	17.5	32.5



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11242.D
Acq On : 28 May 2014 11:54 am
Operator : thienn
Sample : jb67744-2
Misc : MS68115,V3V477,4.4,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:08:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

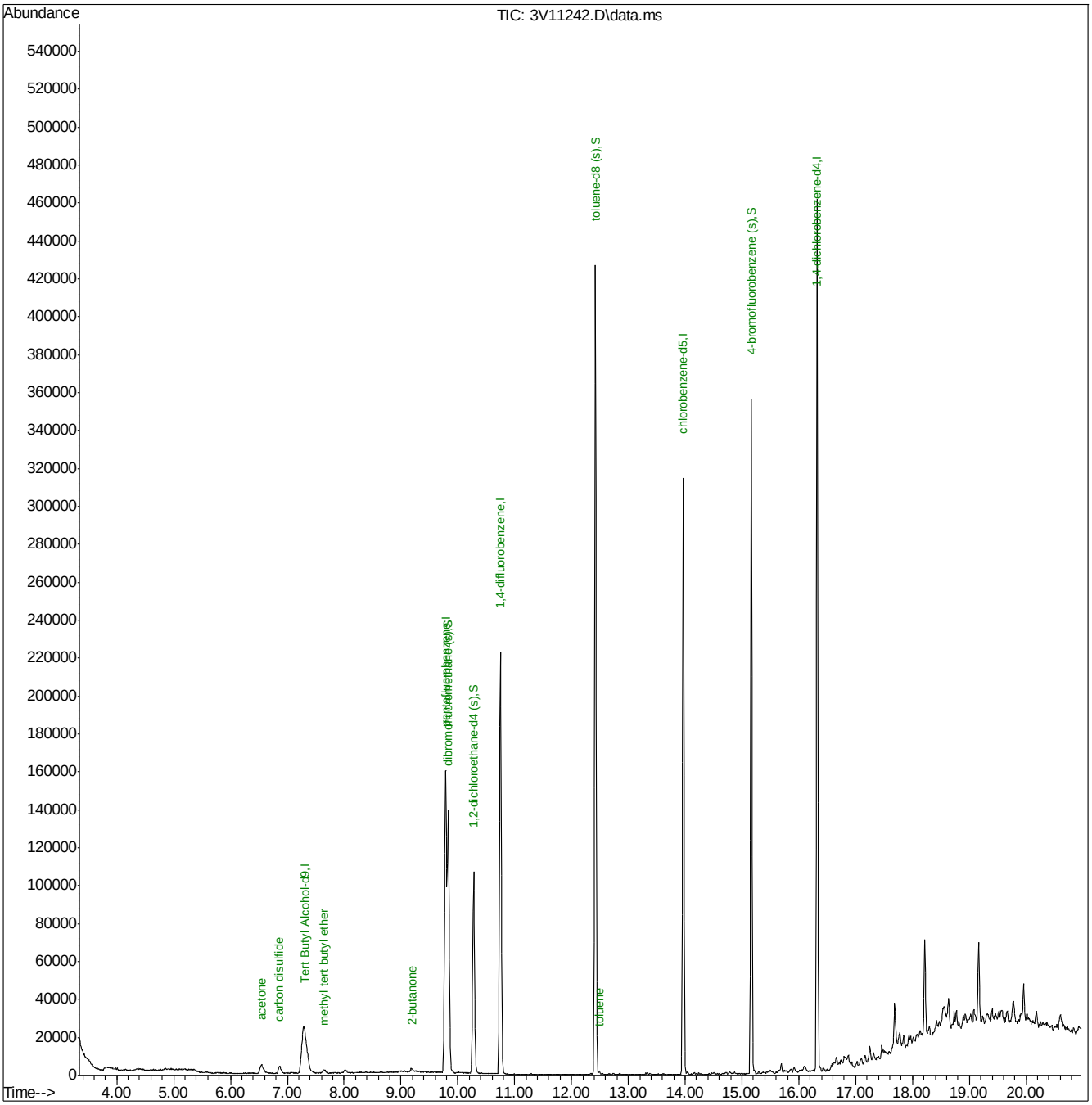
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	80971	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	154129	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	219716	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	188649	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	117928	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	105106	53.89	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.78%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	88214	51.66	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 103.32%			
71) toluene-d8 (s)	12.418	98	304428	55.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 111.88%			
95) 4-bromofluorobenzene (s)	15.165	95	117996	57.07	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 114.14%			
Target Compounds						Qvalue
17) acetone	6.551	43	13581	24.90	ug/L	90
22) carbon disulfide	6.860	76	9552	1.24	ug/L	96
26) methyl tert butyl ether	7.641	73	3474	0.69	ug/L	89
30) 2-butanone	9.193	72	758	4.41	ug/L #	1
73) toluene	12.491	92	677	0.17	ug/L	85

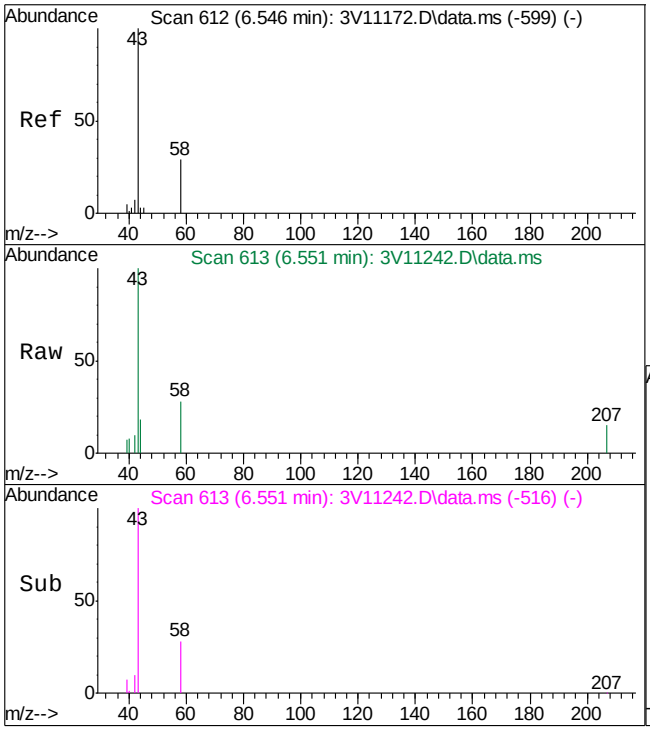
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11242.D
Acq On : 28 May 2014 11:54 am
Operator : thienn
Sample : jb67744-2
Misc : MS68115,V3V477,4.4,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 09:08:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

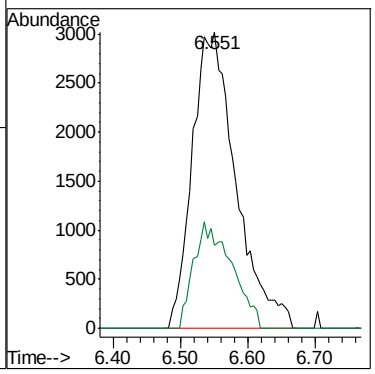


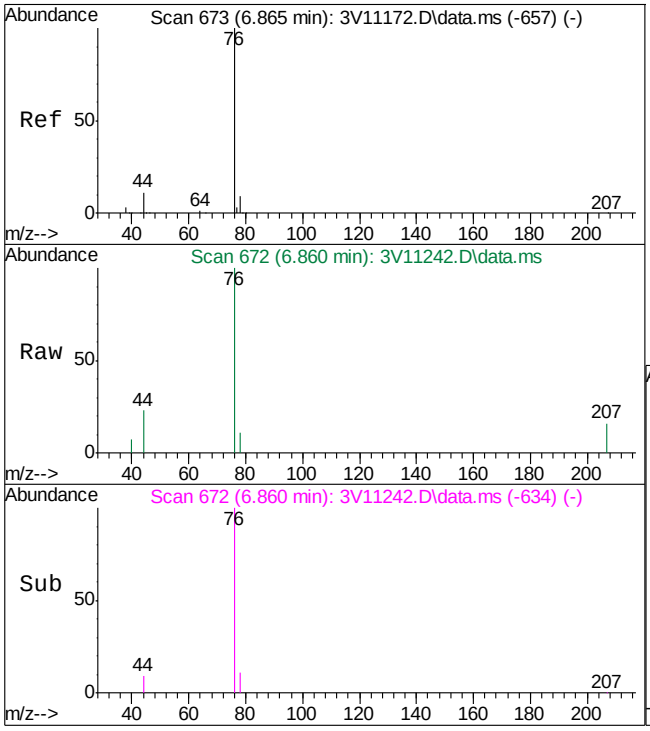


#17
acetone
Concen: 24.90 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11242.D
Acq: 28 May 2014 11:54 am

Tgt Ion: 43 Resp: 13581

Ion	Ratio	Lower	Upper
43	100		
58	28.2	3.8	63.8

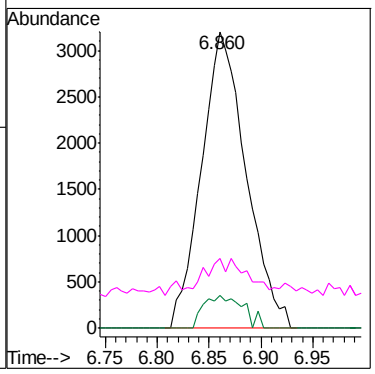


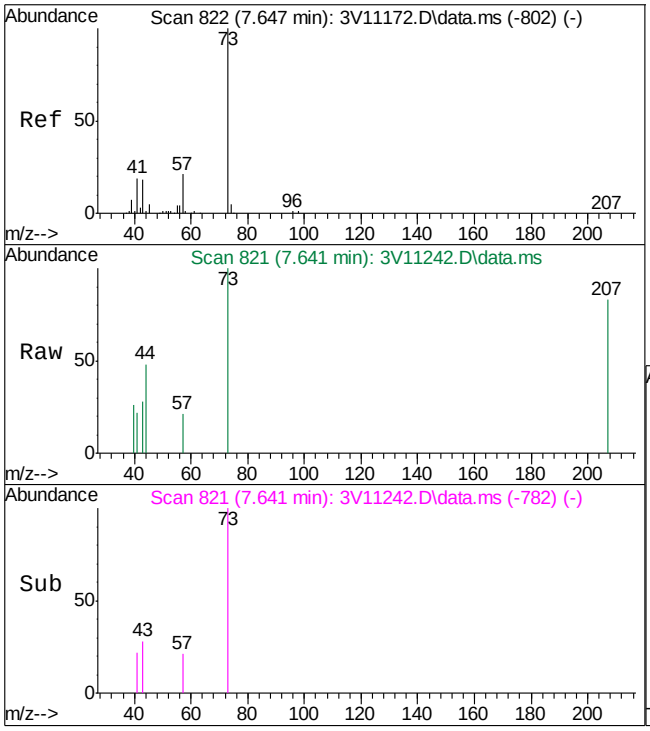


#22
carbon disulfide
Concen: 1.24 ug/L
RT: 6.860 min Scan# 672
Delta R.T. 0.000 min
Lab File: 3V11242.D
Acq: 28 May 2014 11:54 am

Tgt Ion: 76 Resp: 9552

Ion	Ratio	Lower	Upper
76	100		
78	10.8	0.0	39.0
44	11.6	0.0	40.7

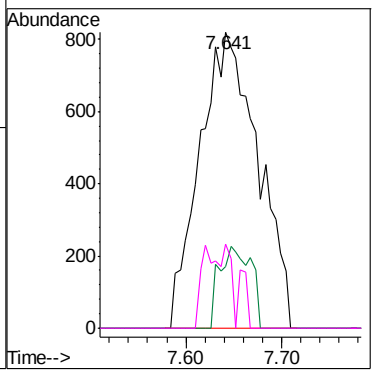


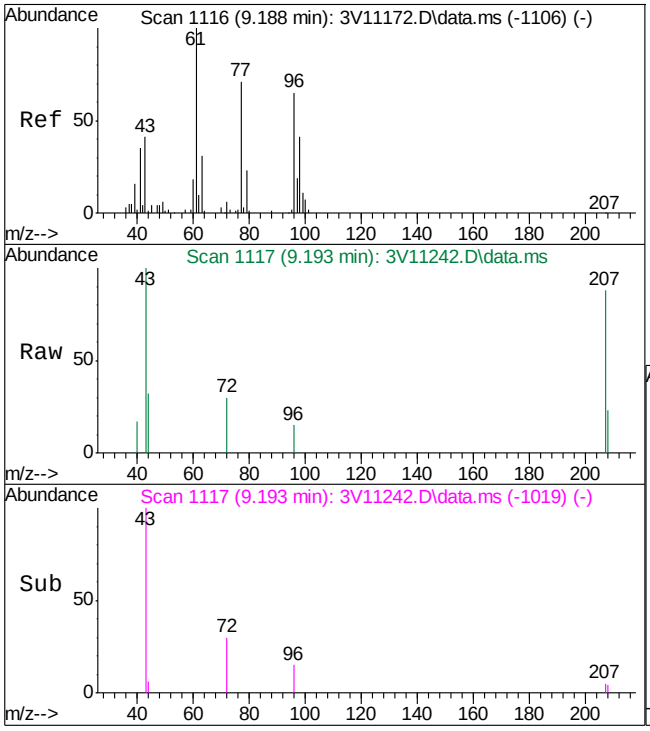


#26
methyl tert butyl ether
Concen: 0.69 ug/L
RT: 7.641 min Scan# 821
Delta R.T. 0.005 min
Lab File: 3V11242.D
Acq: 28 May 2014 11:54 am

Tgt Ion: 73 Resp: 3474

Ion	Ratio	Lower	Upper
73	100		
57	21.0	0.0	51.6
43	28.3	0.0	48.7

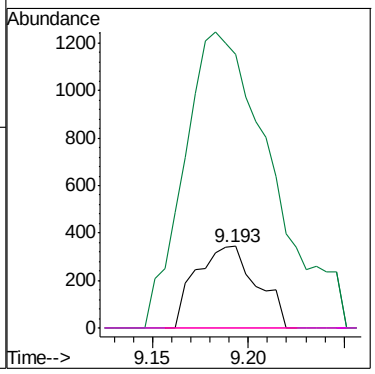


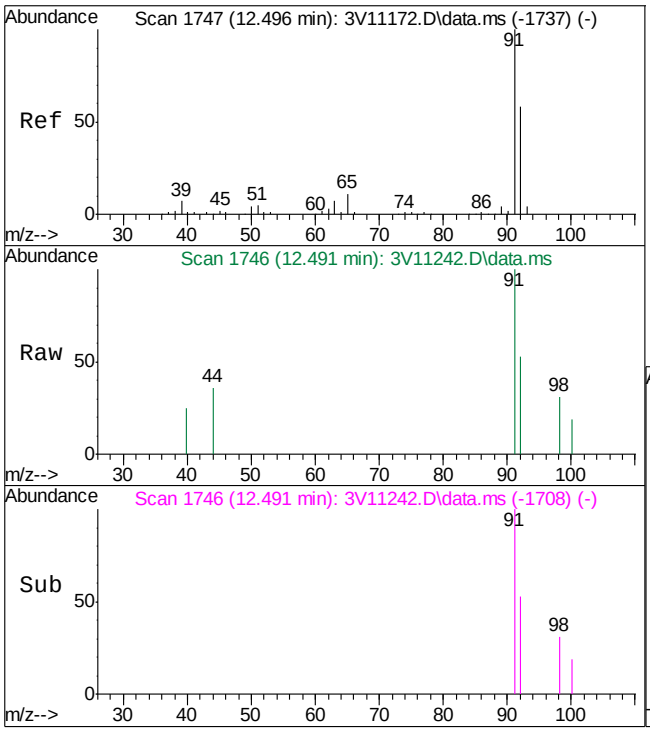


#30
2-butanone
Concen: 4.41 ug/L
RT: 9.193 min Scan# 1117
Delta R.T. 0.015 min
Lab File: 3V11242.D
Acq: 28 May 2014 11:54 am

Tgt Ion: 72 Resp: 758

Ion	Ratio	Lower	Upper
72	100		
43	516.9	704.9	1309.1#
57	0.0	17.5	32.5#

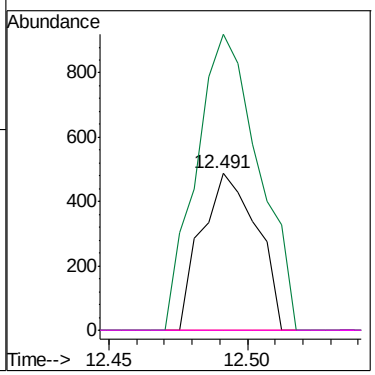




#73
toluene
Concen: 0.17 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11242.D
Acq: 28 May 2014 11:54 am

Tgt Ion: 92 Resp: 677

Ion	Ratio	Lower	Upper
92	100		
91	188.1	141.7	201.7
65	0.0	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11243.D
Acq On : 28 May 2014 12:21 pm
Operator : thienn
Sample : jb67744-3
Misc : MS68115,V3V477,4.9,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:08:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

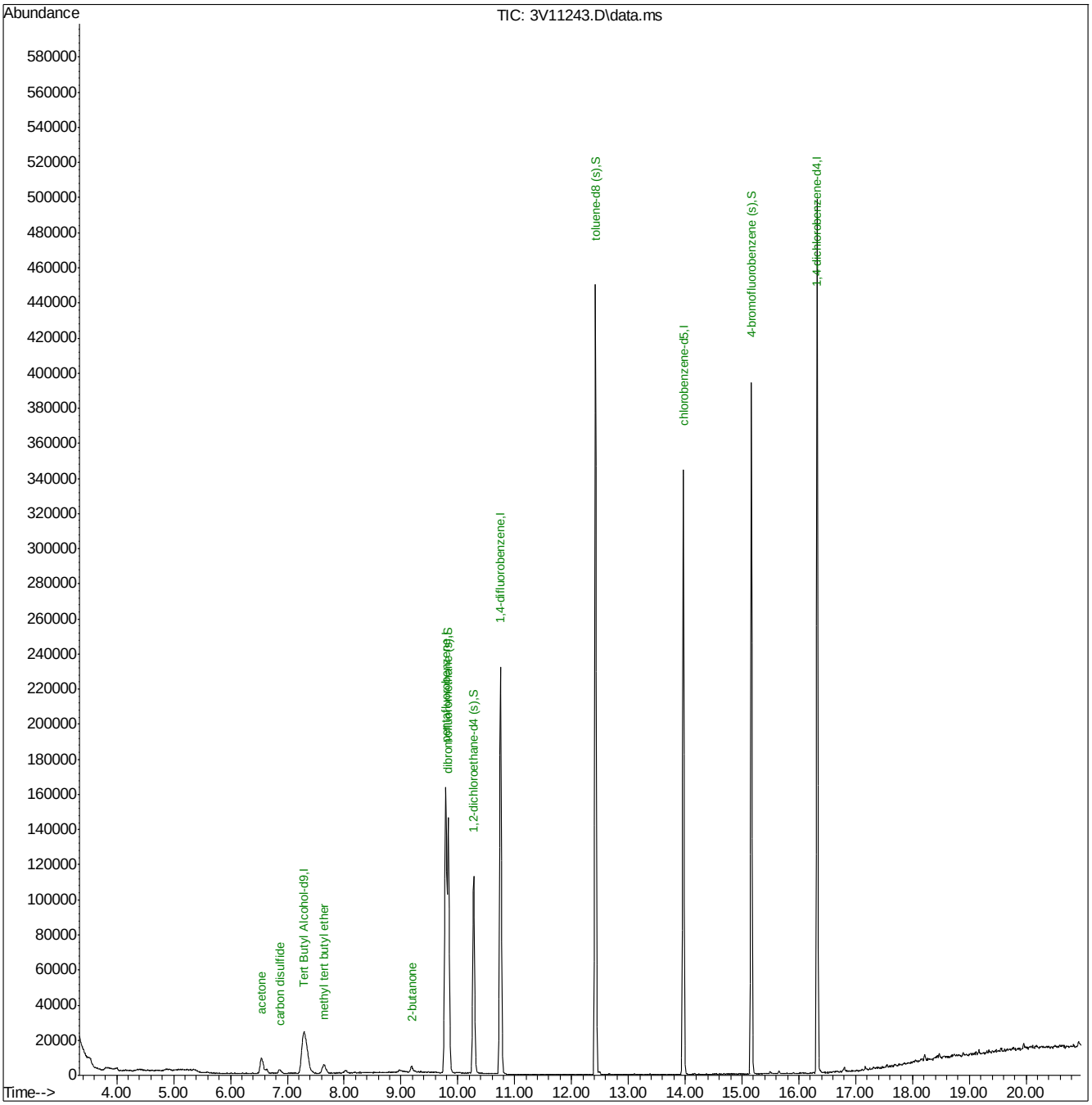
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	85815	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	156794	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	231377	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	204606	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	129238	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	109218	55.05	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 110.10%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	92933	53.50	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 107.00%			
71) toluene-d8 (s)	12.418	98	323719	56.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 112.98%			
95) 4-bromofluorobenzene (s)	15.165	95	130937	57.78	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.56%			
Target Compounds						Qvalue
17) acetone	6.545	43	25134	45.29	ug/L	97
22) carbon disulfide	6.865	76	5672	0.72	ug/L	81
26) methyl tert butyl ether	7.641	73	11285	2.21	ug/L	95
30) 2-butanone	9.193	72	1463	8.37	ug/L #	1

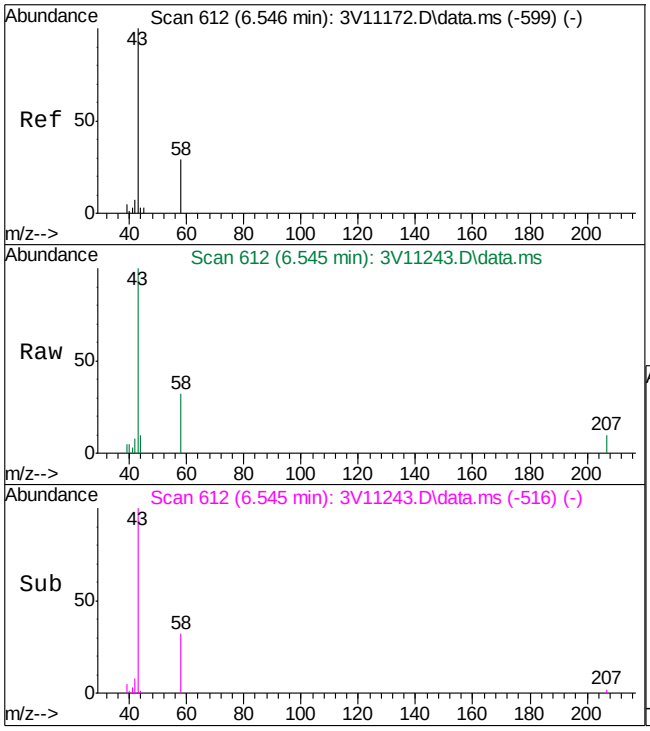
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11243.D
Acq On : 28 May 2014 12:21 pm
Operator : thienn
Sample : jb67744-3
Misc : MS68115,V3V477,4.9,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 09:08:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

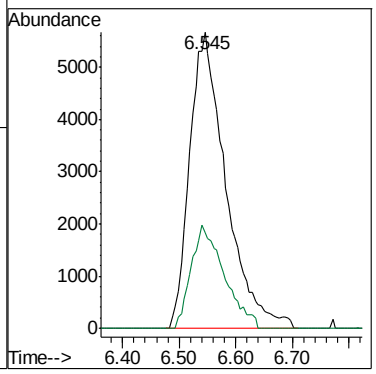


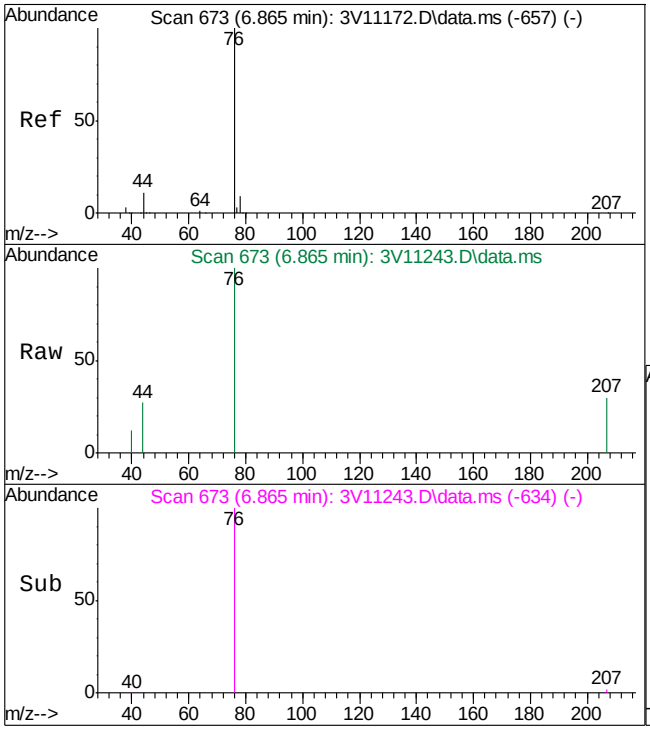


#17
acetone
Concen: 45.29 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11243.D
Acq: 28 May 2014 12:21 pm

Tgt Ion: 43 Resp: 25134

Ion	Ratio	Lower	Upper
43	100		
58	32.1	3.8	63.8

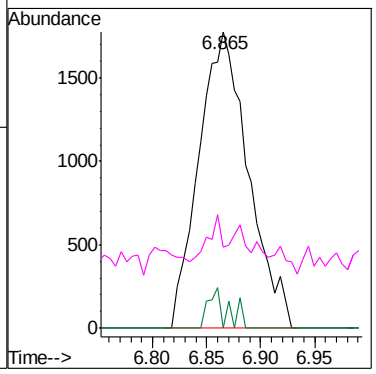


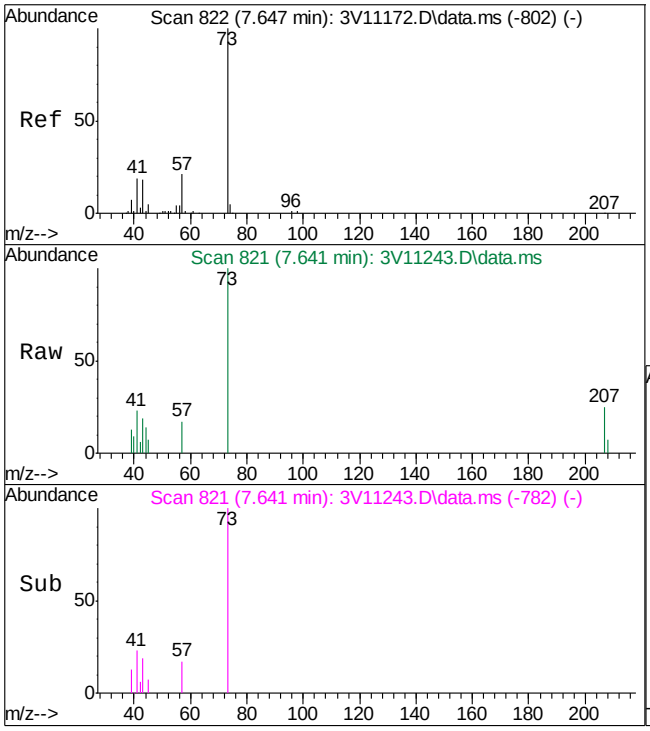


#22
carbon disulfide
Concen: 0.72 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11243.D
Acq: 28 May 2014 12:21 pm

Tgt Ion: 76 Resp: 5672

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.0
44	5.2	0.0	40.7

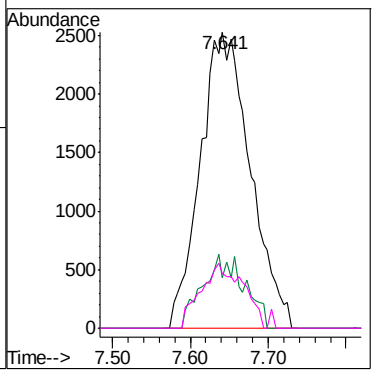


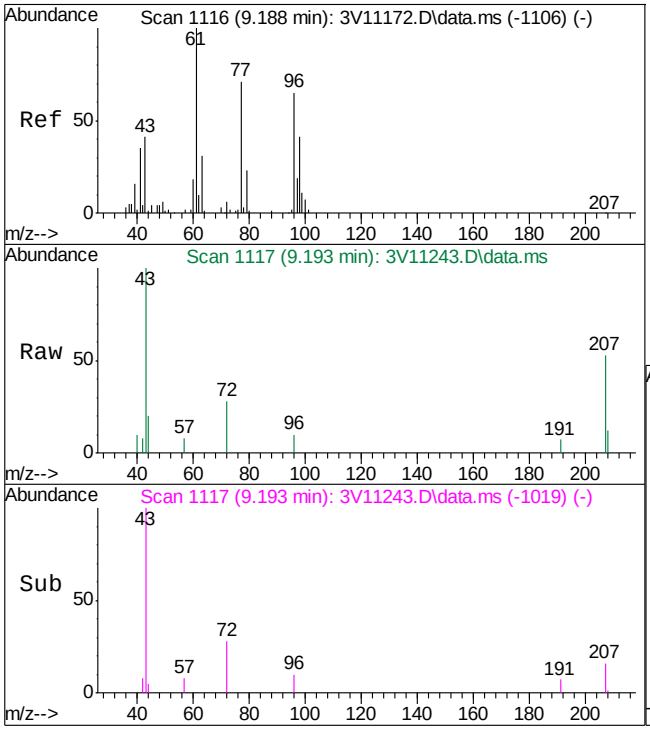


#26
methyl tert butyl ether
Concen: 2.21 ug/L
RT: 7.641 min Scan# 821
Delta R.T. 0.005 min
Lab File: 3V11243.D
Acq: 28 May 2014 12:21 pm

Tgt Ion: 73 Resp: 11285

Ion	Ratio	Lower	Upper
73	100		
57	17.3	0.0	51.6
43	18.6	0.0	48.7

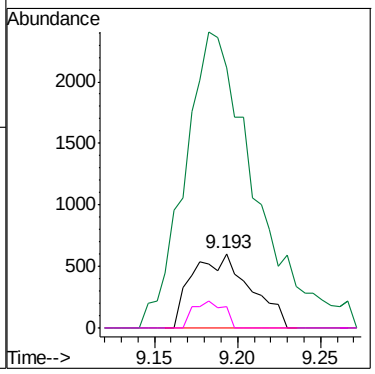




#30
2-butanone
Concen: 8.37 ug/L
RT: 9.193 min Scan# 1117
Delta R.T. 0.015 min
Lab File: 3V11243.D
Acq: 28 May 2014 12:21 pm

Tgt Ion: 72 Resp: 1463

Ion	Ratio	Lower	Upper
72	100		
43	486.3	704.9	1309.1#
57	0.0	17.5	32.5#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11244.D
Acq On : 28 May 2014 12:48 pm
Operator : thienn
Sample : jb67744-4
Misc : MS68115,V3V477,5.6,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:09:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

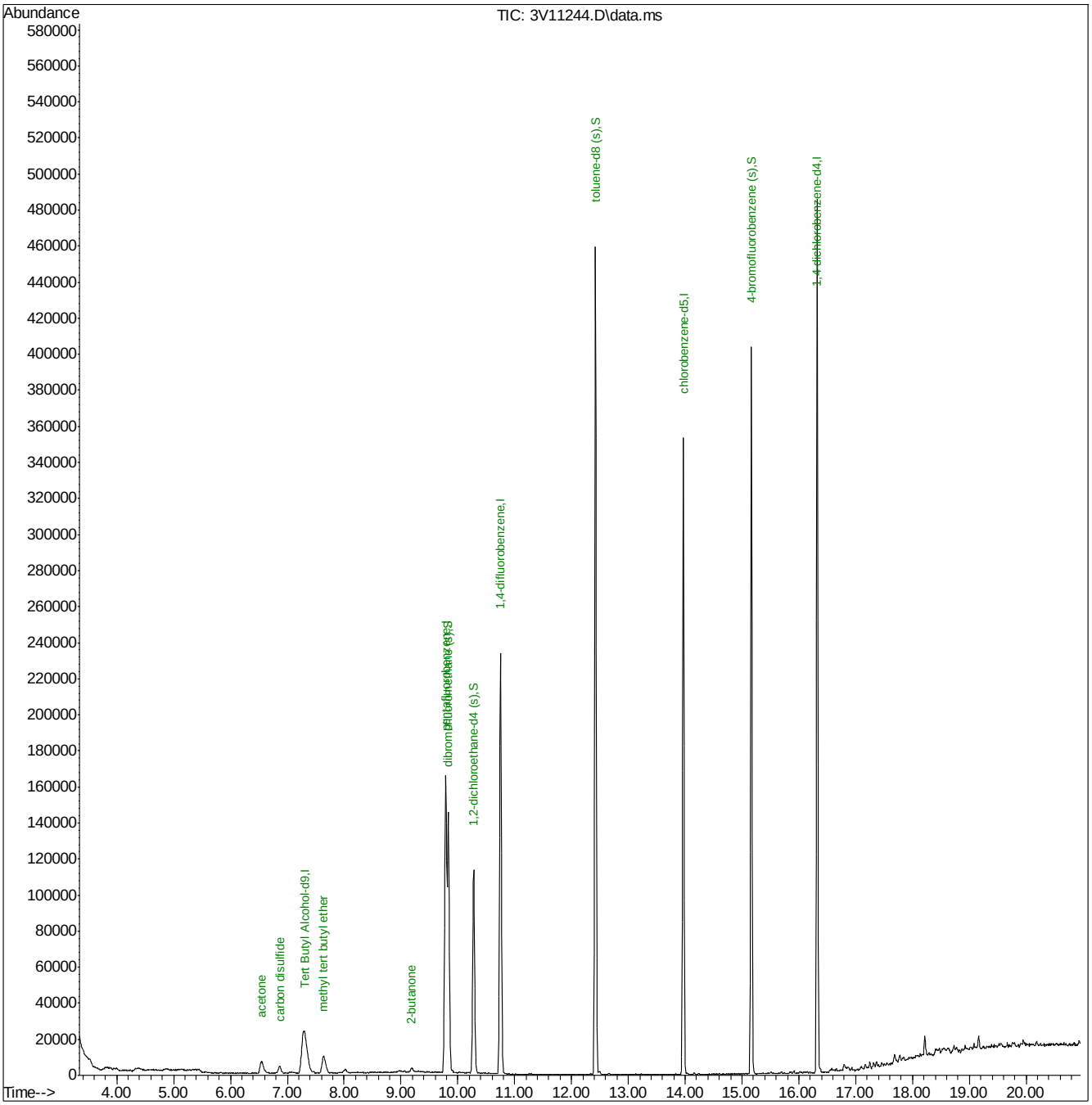
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	82810	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	159013	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	234377	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	208162	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	128240	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	110929	55.13	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 110.26%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	94566	53.68	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 107.36%			
71) toluene-d8 (s)	12.418	98	330875	57.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 114.00%			
95) 4-bromofluorobenzene (s)	15.165	95	131764	58.60	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.20%			
Target Compounds						Qvalue
17) acetone	6.551	43	20017	35.57	ug/L	97
22) carbon disulfide	6.865	76	9796	1.23	ug/L	98
26) methyl tert butyl ether	7.636	73	21467	4.15	ug/L	97
30) 2-butanone	9.183	72	1035	5.84	ug/L #	1

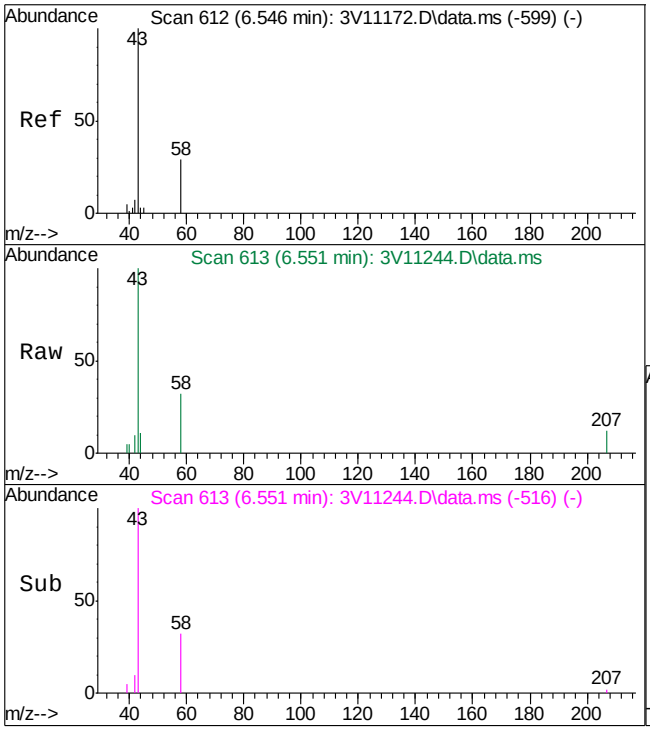
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11244.D
Acq On : 28 May 2014 12:48 pm
Operator : thienn
Sample : jb67744-4
Misc : MS68115,V3V477,5.6,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 09:09:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

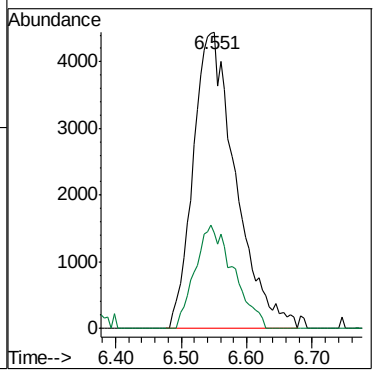


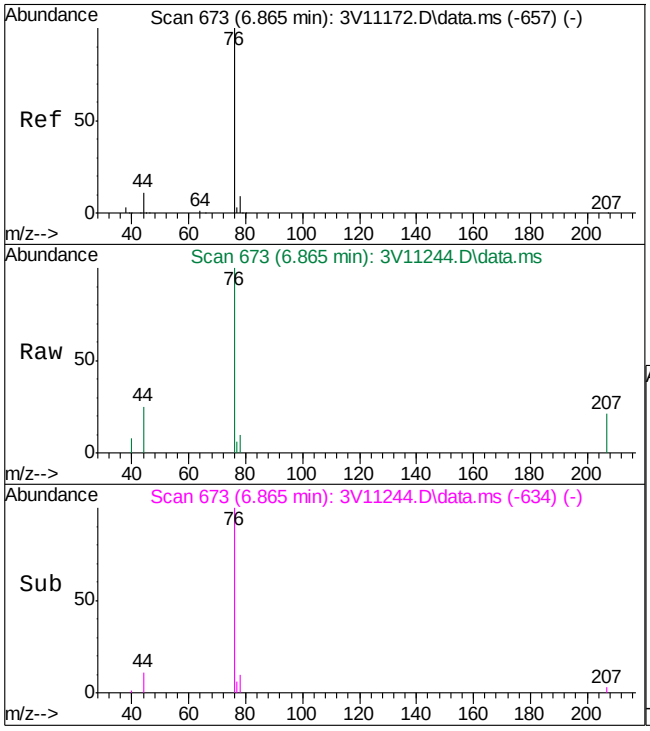


#17
acetone
Concen: 35.57 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11244.D
Acq: 28 May 2014 12:48 pm

Tgt Ion: 43 Resp: 20017

Ion	Ratio	Lower	Upper
43	100		
58	32.3	3.8	63.8

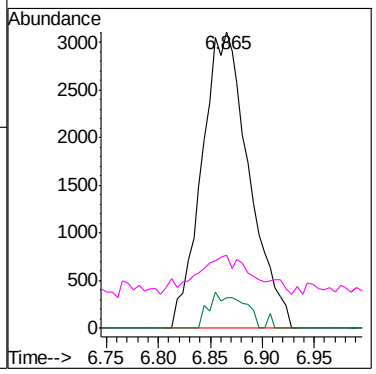


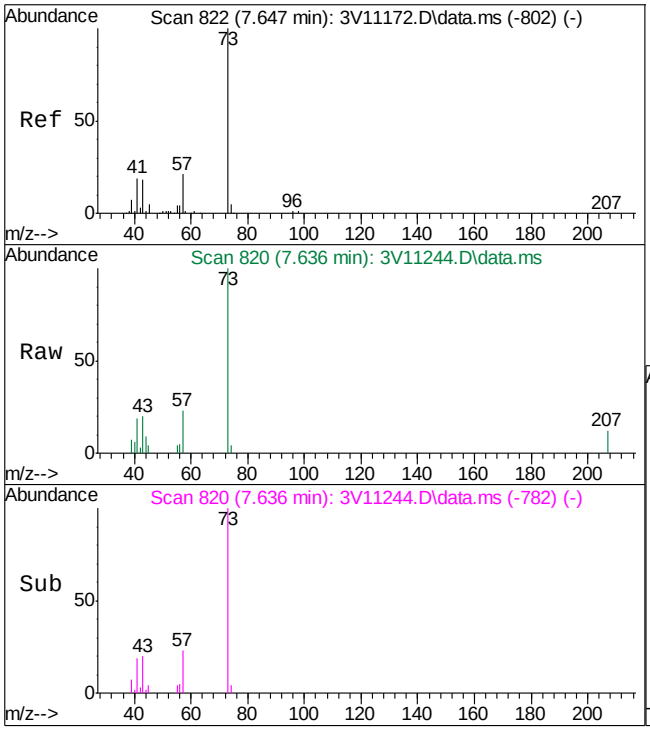


#22
carbon disulfide
Concen: 1.23 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11244.D
Acq: 28 May 2014 12:48 pm

Tgt Ion: 76 Resp: 9796

Ion	Ratio	Lower	Upper
76	100		
78	10.1	0.0	39.0
44	11.0	0.0	40.7

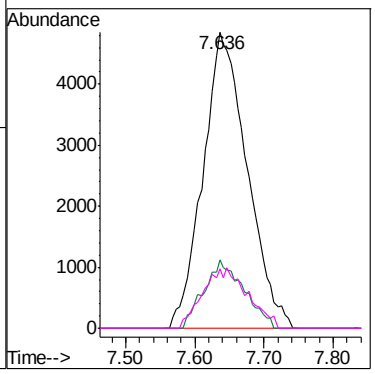


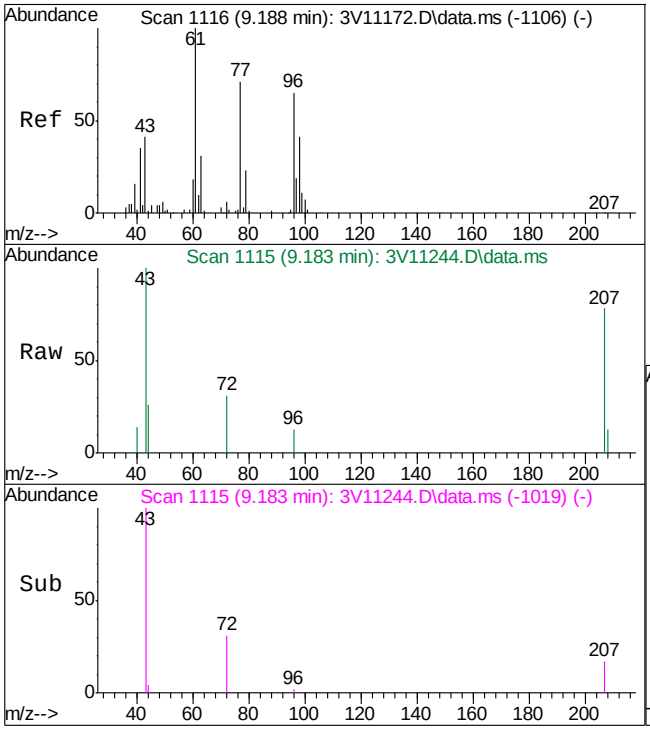


#26
methyl tert butyl ether
Concen: 4.15 ug/L
RT: 7.636 min Scan# 820
Delta R.T. 0.000 min
Lab File: 3V11244.D
Acq: 28 May 2014 12:48 pm

Tgt Ion: 73 Resp: 21467

Ion	Ratio	Lower	Upper
73	100		
57	23.3	0.0	51.6
43	20.1	0.0	48.7

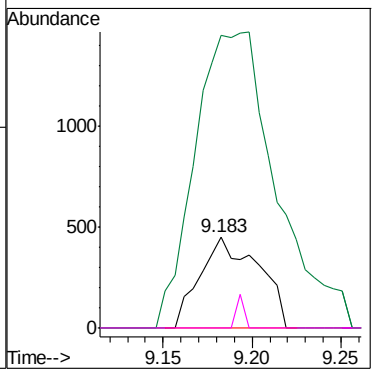




#30
2-butanone
Concen: 5.84 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11244.D
Acq: 28 May 2014 12:48 pm

Tgt Ion: 72 Resp: 1035

Ion	Ratio	Lower	Upper
72	100		
43	450.0	704.9	1309.1#
57	0.0	17.5	32.5#



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11255.D
Acq On : 28 May 2014 5:42 pm
Operator : thienn
Sample : jb67744-5
Misc : MS68115,V3V477,4.2,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 29 09:15:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

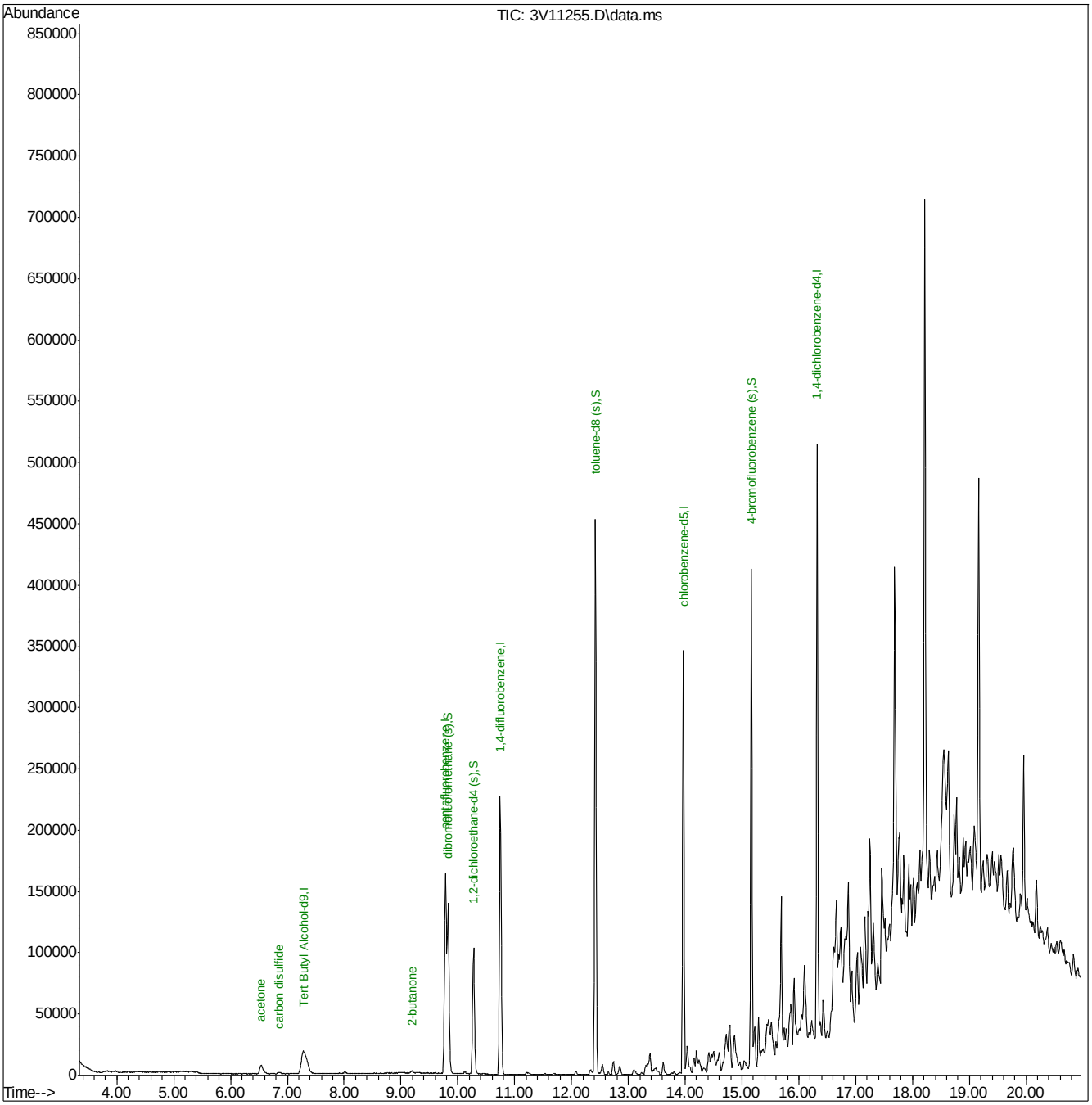
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	71453	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	155834	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	229141	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	205977	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	130635	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	103173	52.32	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.64%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	87546	50.71	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.42%			
71) toluene-d8 (s)	12.418	98	328073	57.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.62%			
95) 4-bromofluorobenzene (s)	15.165	95	132913	58.03	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.06%			
Target Compounds						Qvalue
17) acetone	6.535	43	20760	37.64	ug/L	98
22) carbon disulfide	6.855	76	3195	0.41	ug/L	80
30) 2-butanone	9.193	72	778	4.48	ug/L #	1

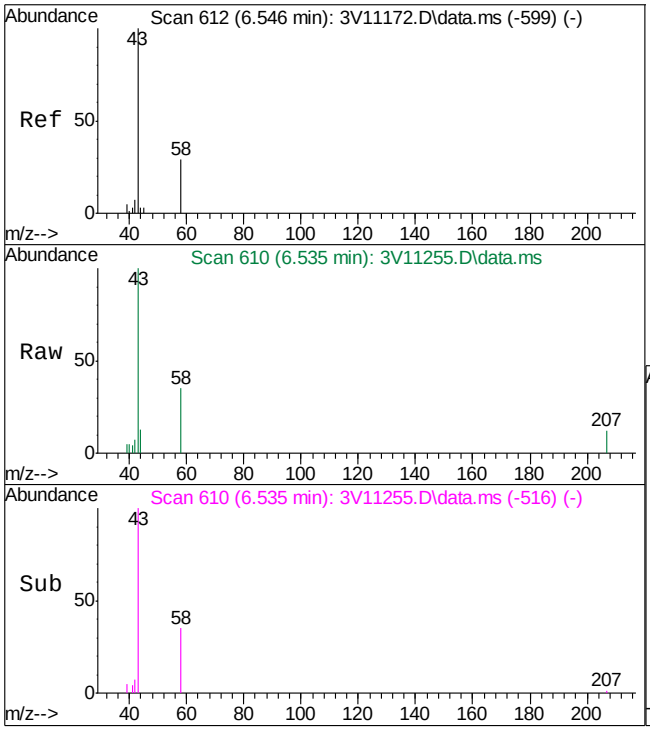
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11255.D
Acq On : 28 May 2014 5:42 pm
Operator : thienn
Sample : jb67744-5
Misc : MS68115,V3V477,4.2,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 29 09:15:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

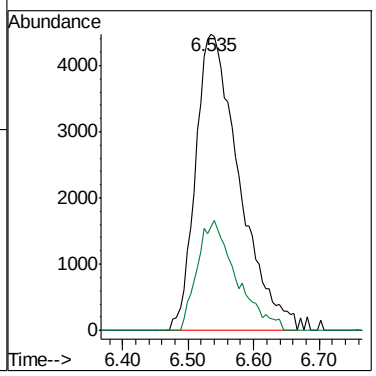


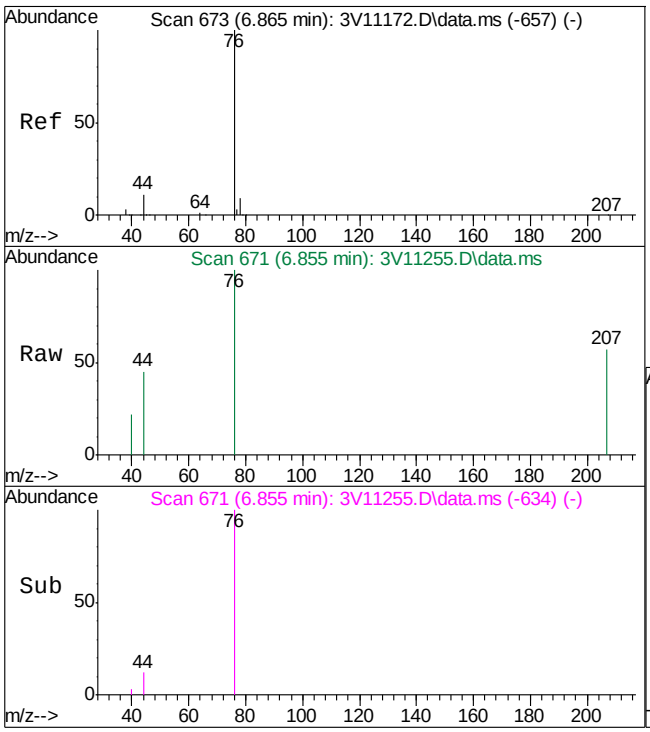


#17
acetone
Concen: 37.64 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11255.D
Acq: 28 May 2014 5:42 pm

Tgt Ion: 43 Resp: 20760

Ion	Ratio	Lower	Upper
43	100		
58	34.9	3.8	63.8

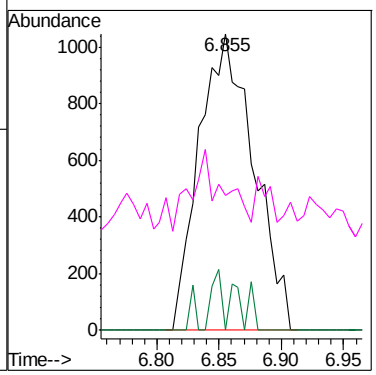


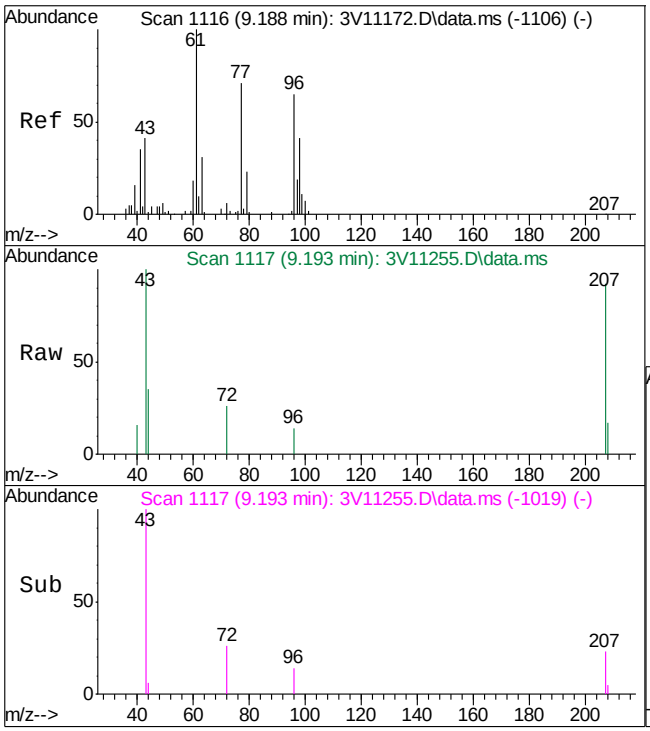


#22
carbon disulfide
Concen: 0.41 ug/L
RT: 6.855 min Scan# 671
Delta R.T. -0.005 min
Lab File: 3V11255.D
Acq: 28 May 2014 5:42 pm

Tgt Ion: 76 Resp: 3195

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.0
44	4.7	0.0	40.7

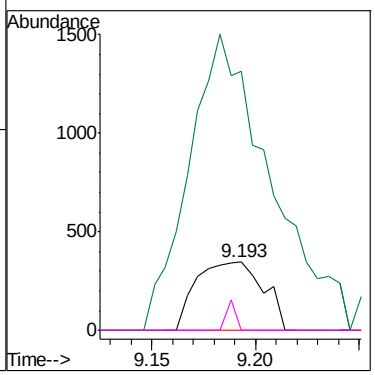




#30
2-butanone
Concen: 4.48 ug/L
RT: 9.193 min Scan# 1117
Delta R.T. 0.015 min
Lab File: 3V11255.D
Acq: 28 May 2014 5:42 pm

Tgt Ion: 72 Resp: 778

Ion	Ratio	Lower	Upper
72	100		
43	537.0	704.9	1309.1#
57	0.0	17.5	32.5#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128750.D
Acq On : 30 May 2014 6:10 pm
Operator : mariceld
Sample : jb67744-6
Misc : MS68116,V1C5741,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 02 14:52:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

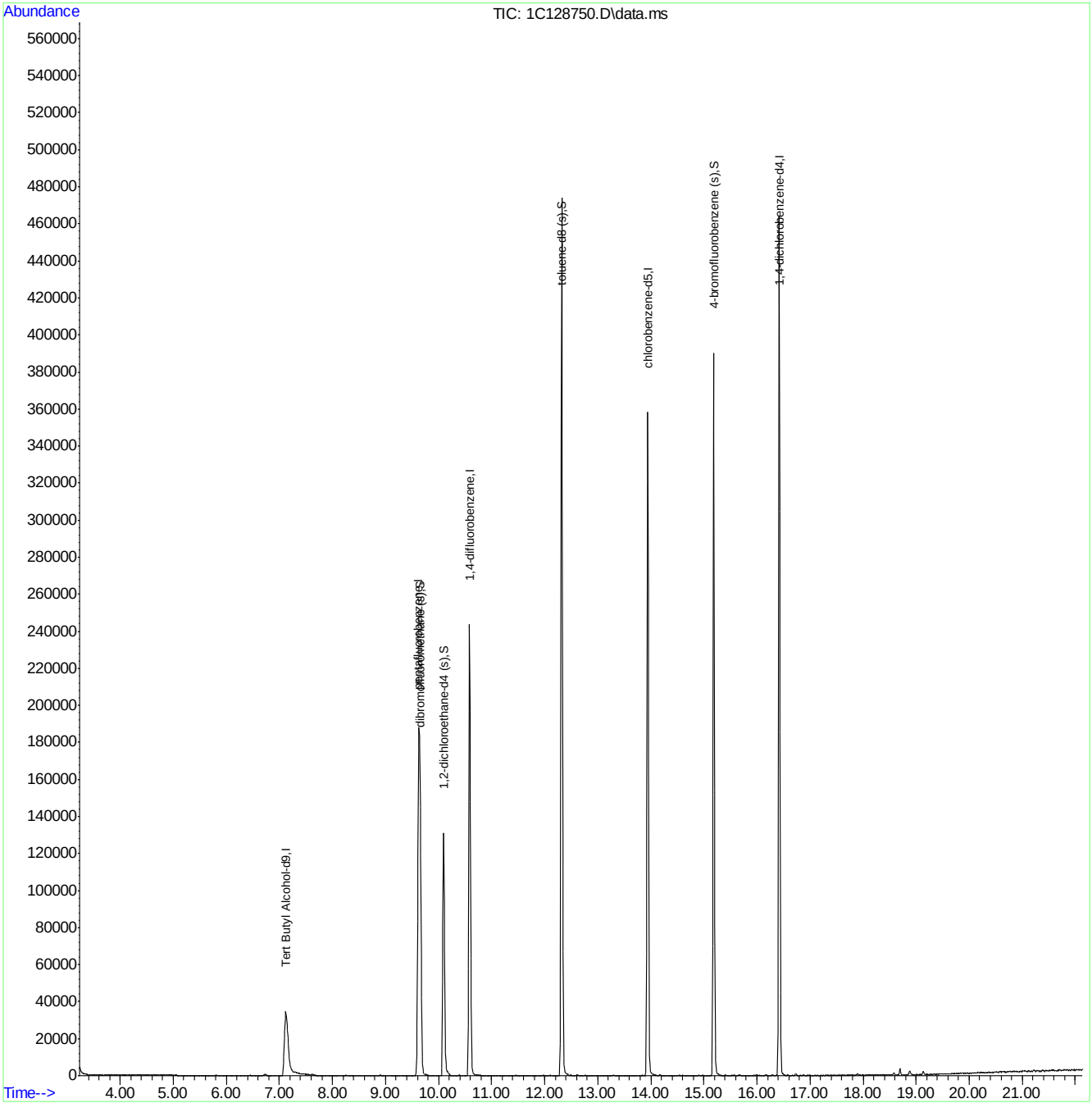
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.126	65	111058	500.00	ug/L	0.00
4) pentafluorobenzene	9.626	168	160828	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	239962	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	224668	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	134009	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.652	113	95522	50.57	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 101.14%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	109579	50.06	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 100.12%			
80) toluene-d8 (s)	12.320	98	357220	53.14	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.28%			
105) 4-bromofluorobenzene (s)	15.186	95	136302	51.67	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.34%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128750.D
Acq On : 30 May 2014 6:10 pm
Operator : mariceld
Sample : jb67744-6
Misc : MS68116,V1C5741,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 02 14:52:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128751.D
Acq On : 30 May 2014 6:38 pm
Operator : mariceld
Sample : jb67744-7
Misc : MS68116,V1C5741,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 02 14:53:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

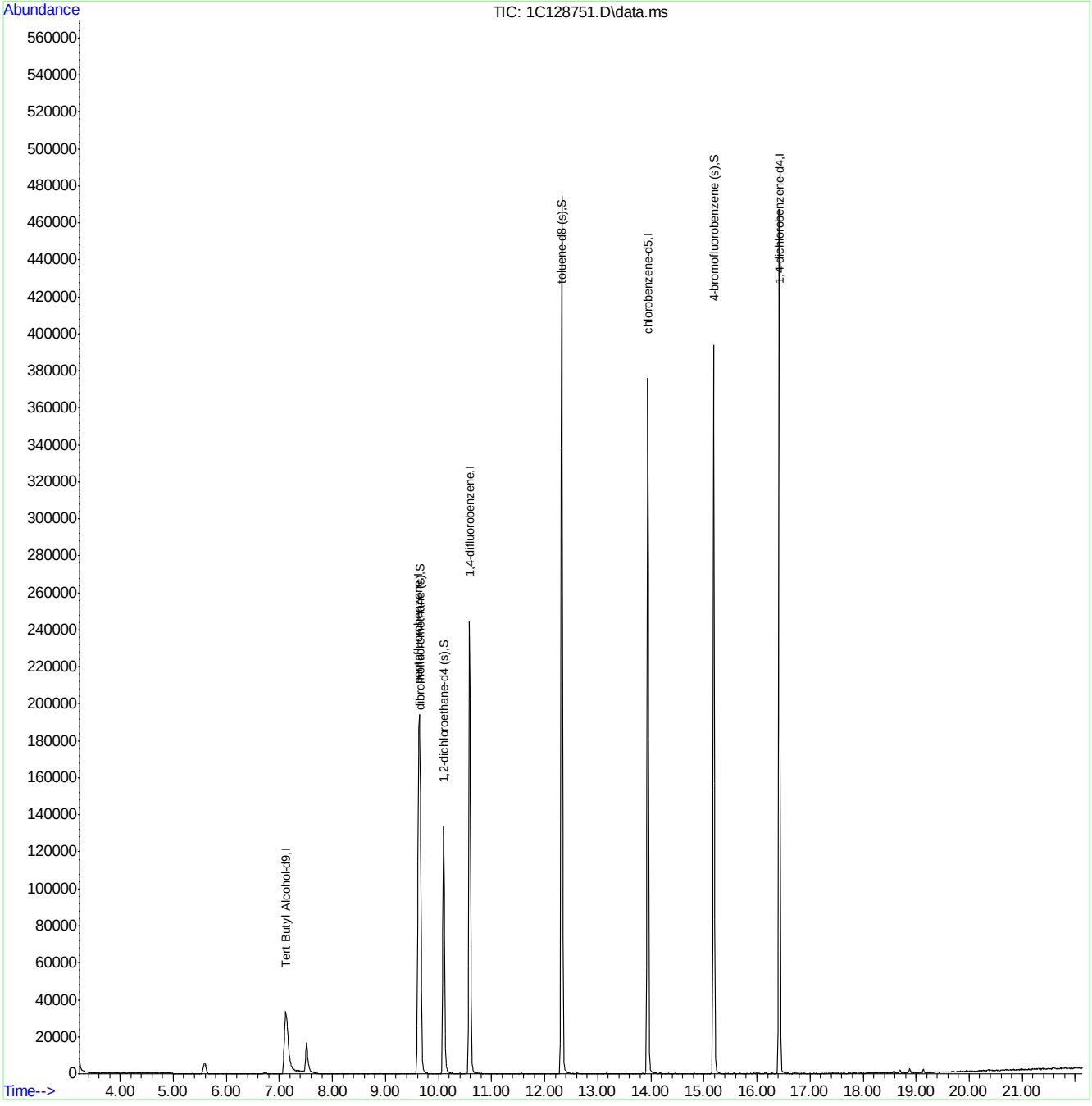
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.131	65	109853	500.00	ug/L	0.00
4) pentafluorobenzene	9.626	168	163256	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	245784	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	228651	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	134320	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.652	113	98813	51.53	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.06%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	110475	49.72	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 99.44%			
80) toluene-d8 (s)	12.320	98	358909	52.13	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 104.26%			
105) 4-bromofluorobenzene (s)	15.186	95	138017	52.20	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.40%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128751.D
Acq On : 30 May 2014 6:38 pm
Operator : mariceld
Sample : jb67744-7
Misc : MS68116,V1C5741,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 02 14:53:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11249.D
Acq On : 28 May 2014 3:01 pm
Operator : thienn
Sample : jb67744-8
Misc : MS68115,V3V477,4.8,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 09:11:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

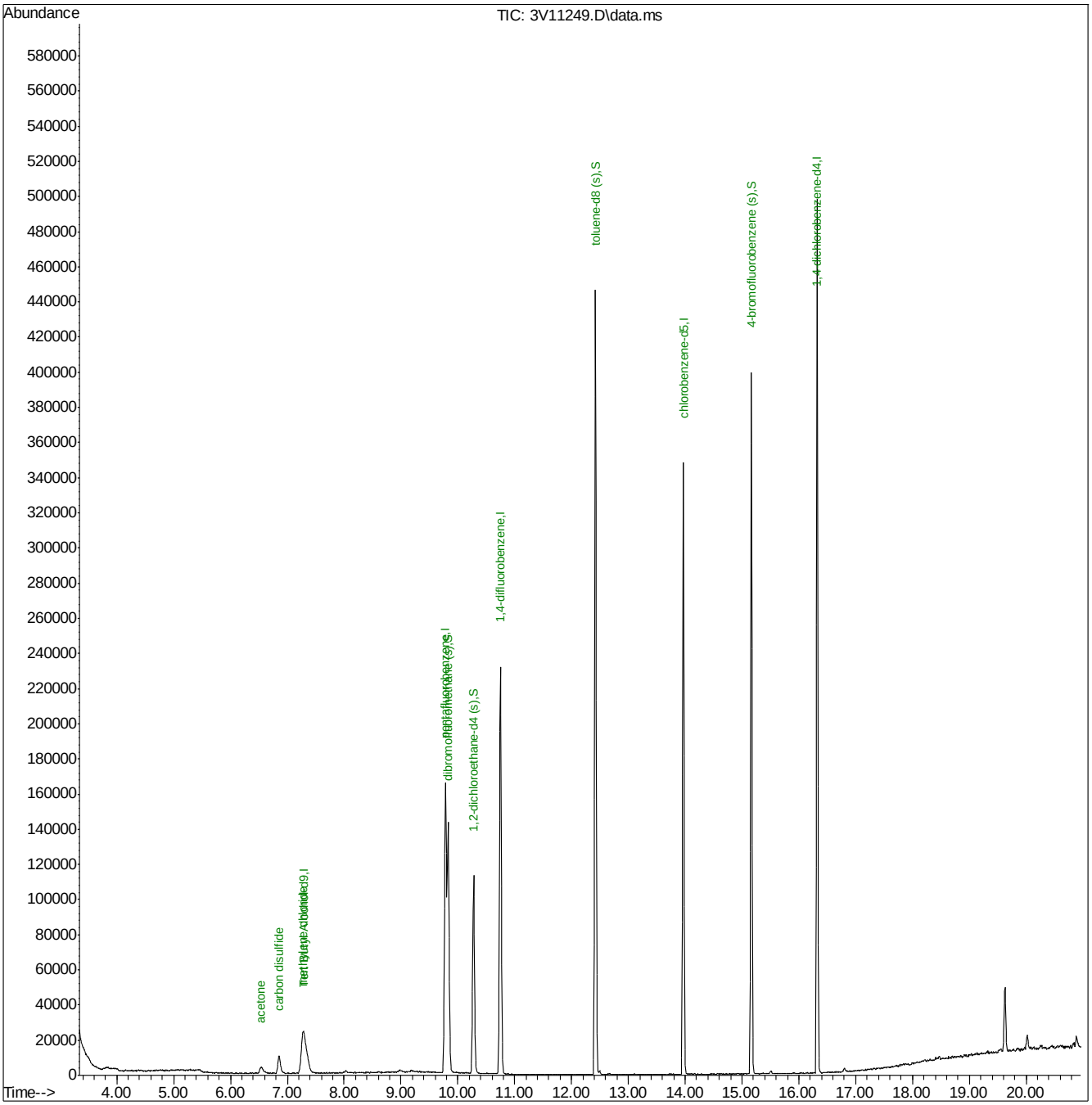
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	80412	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	156309	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	229572	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	206651	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	127863	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	107158	54.18	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.36%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	91677	52.94	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 105.88%			
71) toluene-d8 (s)	12.418	98	325400	57.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 114.46%			
95) 4-bromofluorobenzene (s)	15.165	95	132214	58.97	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.94%			
Target Compounds						Qvalue
17) acetone	6.535	43	10001	18.08	ug/L	94
22) carbon disulfide	6.850	76	24680	3.16	ug/L	97
23) methylene chloride	7.279	84	4314	1.74	ug/L	95

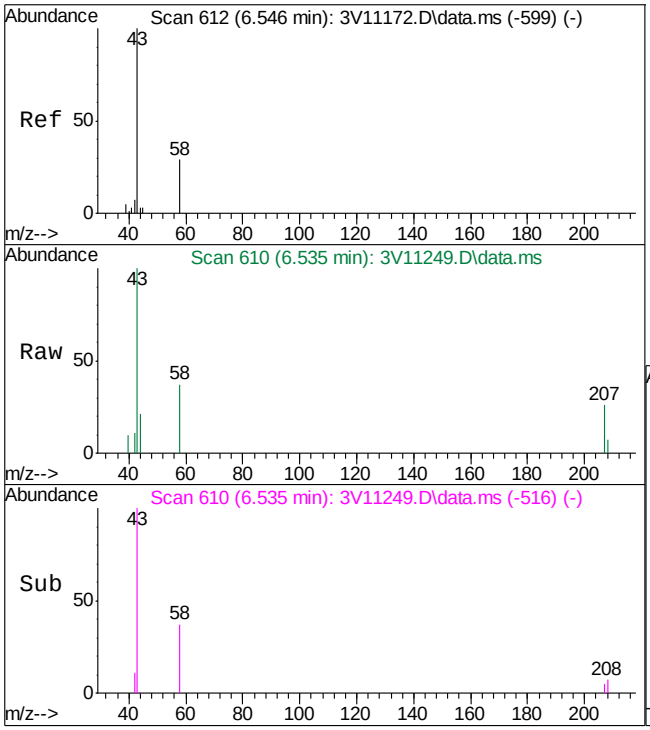
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11249.D
Acq On : 28 May 2014 3:01 pm
Operator : thienn
Sample : jb67744-8
Misc : MS68115,V3V477,4.8,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 09:11:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

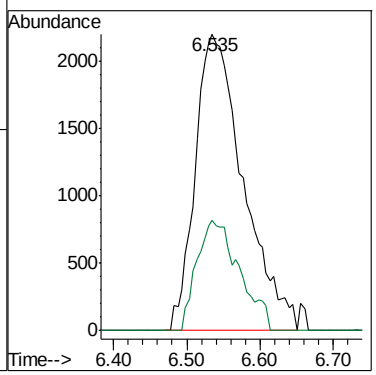


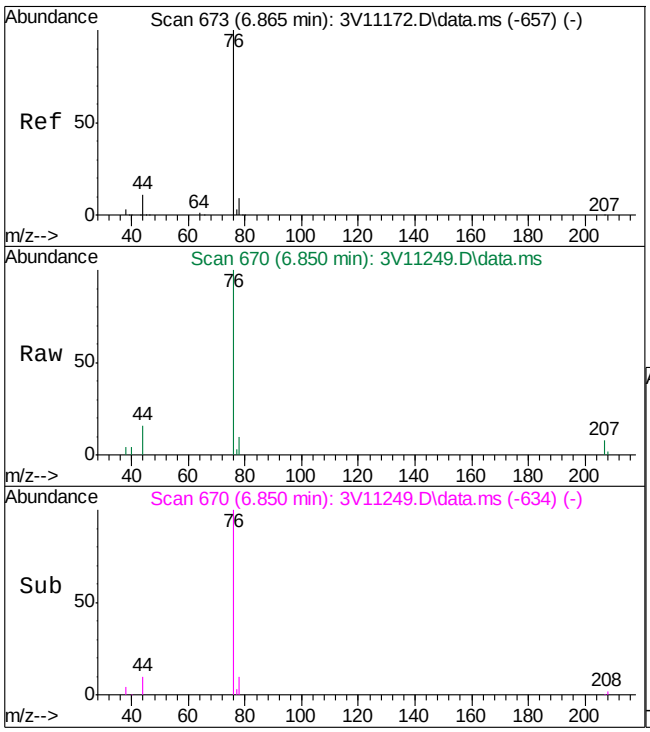


#17
acetone
Concen: 18.08 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11249.D
Acq: 28 May 2014 3:01 pm

Tgt Ion: 43 Resp: 10001

Ion	Ratio	Lower	Upper
43	100		
58	37.1	3.8	63.8

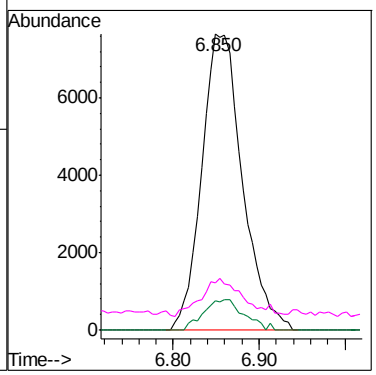


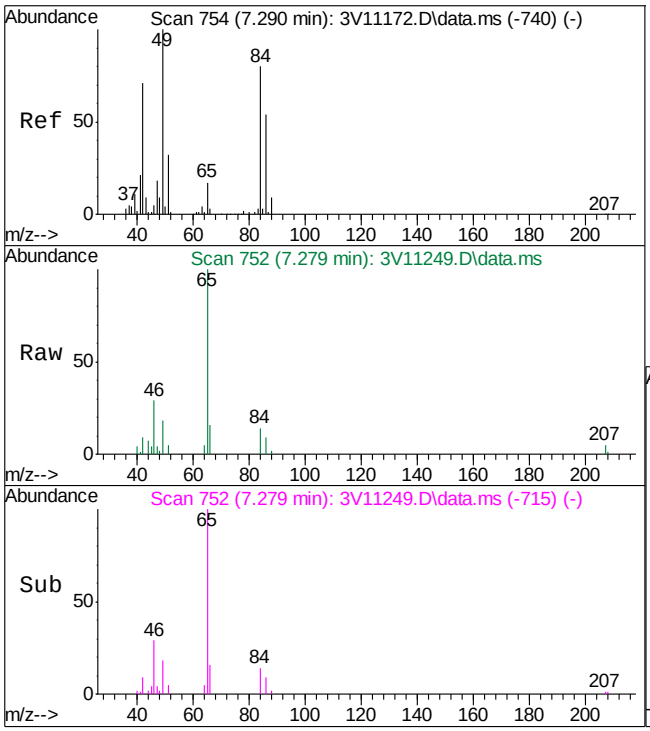


#22
carbon disulfide
Concen: 3.16 ug/L
RT: 6.850 min Scan# 670
Delta R.T. -0.010 min
Lab File: 3V11249.D
Acq: 28 May 2014 3:01 pm

Tgt Ion: 76 Resp: 24680

Ion	Ratio	Lower	Upper
76	100		
78	9.9	0.0	39.0
44	9.4	0.0	40.7

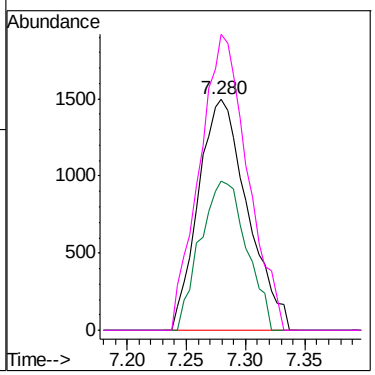




#23
methylene chloride
Concen: 1.74 ug/L
RT: 7.279 min Scan# 752
Delta R.T. -0.006 min
Lab File: 3V11249.D
Acq: 28 May 2014 3:01 pm

Tgt Ion: 84 Resp: 4314

Ion	Ratio	Lower	Upper
84	100		
86	64.3	44.9	83.5
49	128.0	83.8	155.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11250.D
Acq On : 28 May 2014 3:27 pm
Operator : thienn
Sample : jb67744-9
Misc : MS68115,V3V477,2.1,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 09:12:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

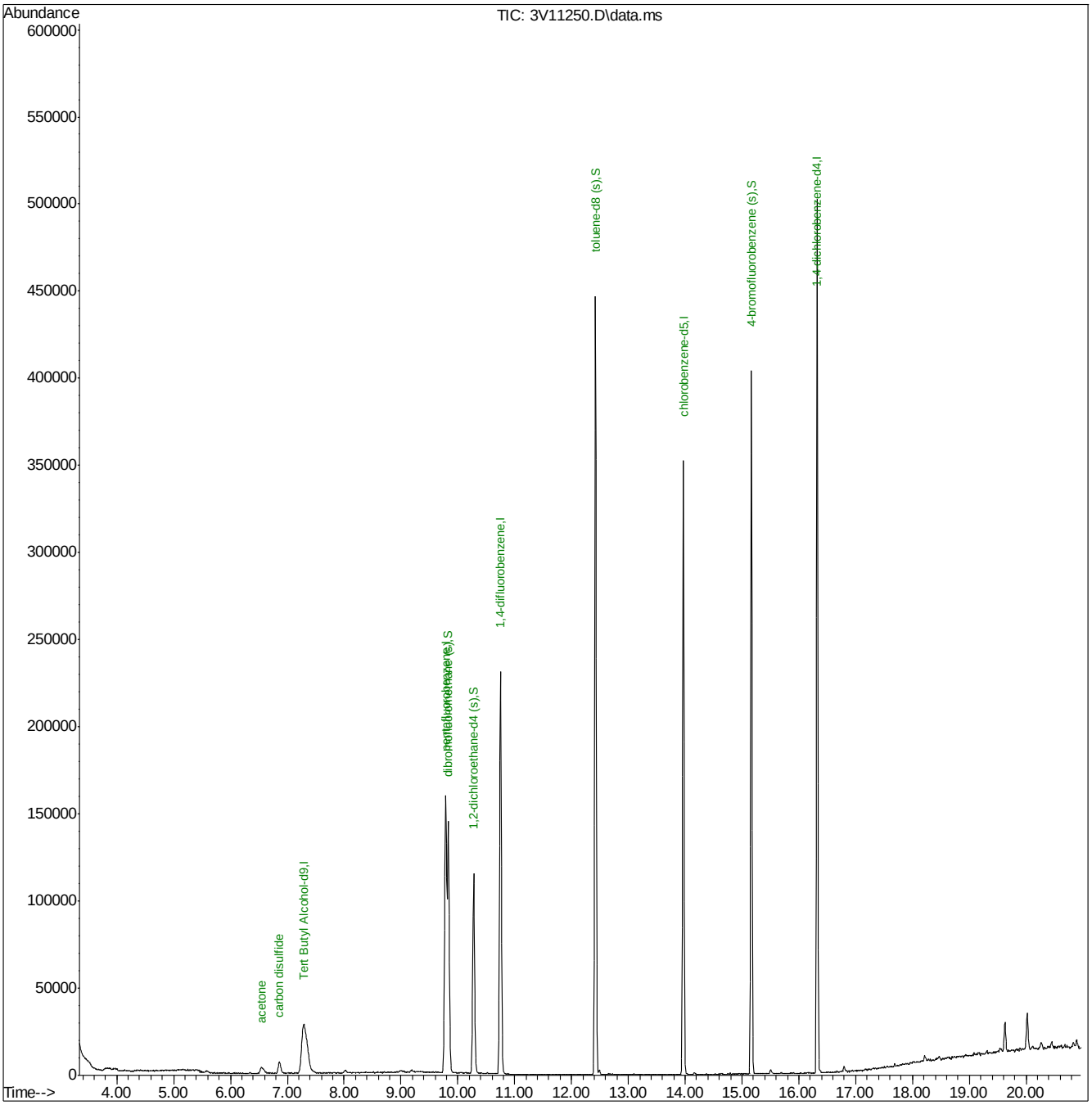
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	105137	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	155392	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	231174	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	210189	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	130510	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	108433	55.15	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 110.30%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	96084	55.81	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 111.62%			
71) toluene-d8 (s)	12.418	98	325651	56.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 113.76%			
95) 4-bromofluorobenzene (s)	15.165	95	135910	59.39	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 118.78%			
Target Compounds						Qvalue
17) acetone	6.540	43	10963	19.93	ug/L	96
22) carbon disulfide	6.860	76	16310	2.10	ug/L	99

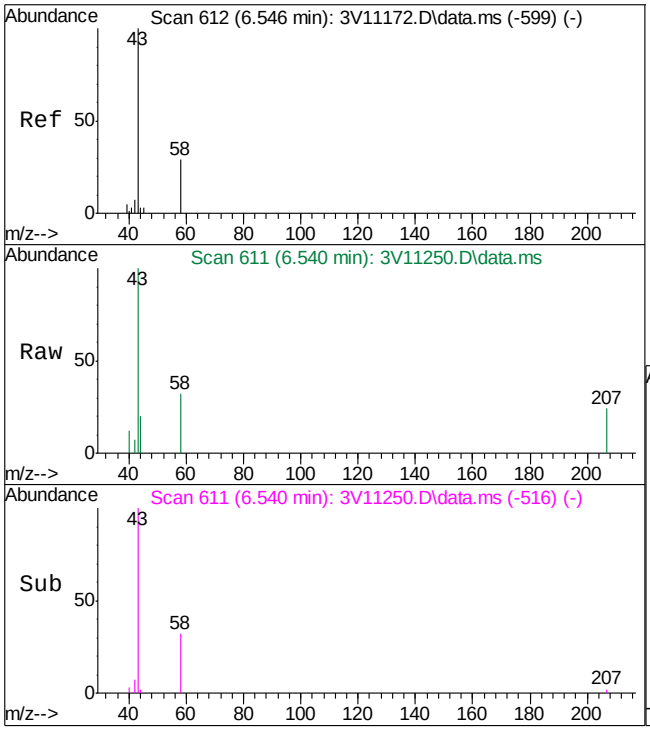
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11250.D
Acq On : 28 May 2014 3:27 pm
Operator : thienn
Sample : jb67744-9
Misc : MS68115,V3V477,2.1,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 09:12:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

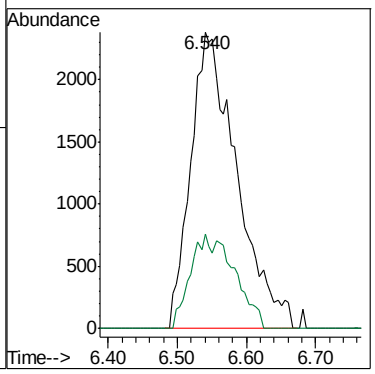


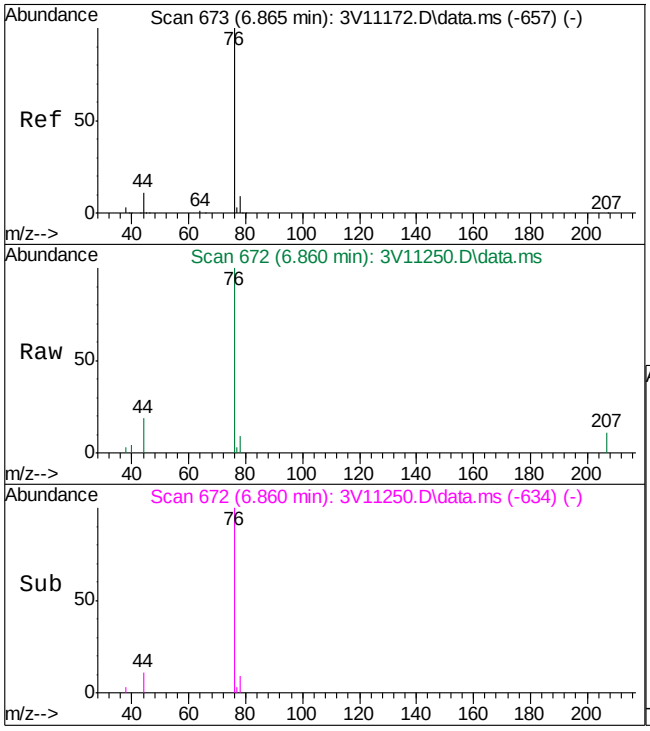


#17
acetone
Concen: 19.93 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11250.D
Acq: 28 May 2014 3:27 pm

Tgt Ion: 43 Resp: 10963

Ion	Ratio	Lower	Upper
43	100		
58	31.7	3.8	63.8

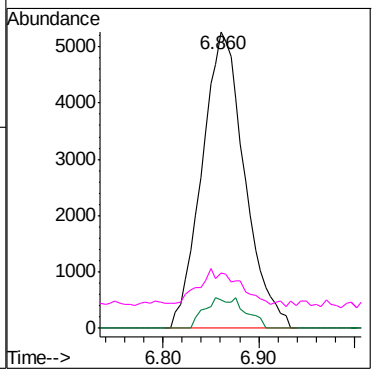




#22
carbon disulfide
Concen: 2.10 ug/L
RT: 6.860 min Scan# 672
Delta R.T. 0.000 min
Lab File: 3V11250.D
Acq: 28 May 2014 3:27 pm

Tgt Ion: 76 Resp: 16310

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.0
44	10.6	0.0	40.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11251.D
Acq On : 28 May 2014 3:54 pm
Operator : thienn
Sample : jb67744-10
Misc : MS68115,V3V477,5.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 29 09:13:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

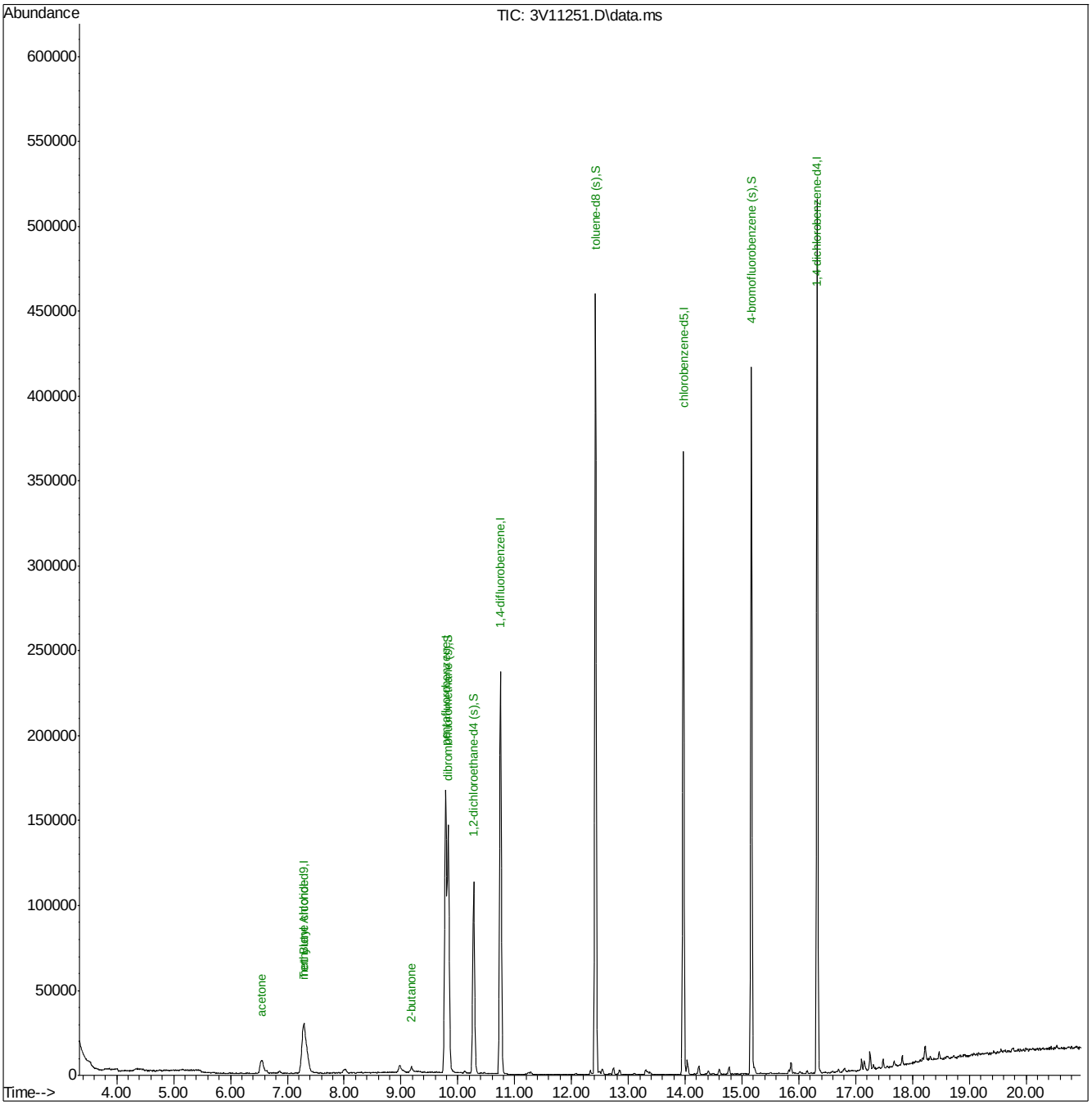
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	82212	500.00	ug/L	#-0.02
5) pentafluorobenzene	9.786	168	160393	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	236745	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	213827	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	134578	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	110377	54.39	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.78%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	94257	53.05	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 106.10%			
71) toluene-d8 (s)	12.418	98	336996	57.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 114.96%			
95) 4-bromofluorobenzene (s)	15.165	95	138747	58.80	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.60%			
Target Compounds						Qvalue
17) acetone	6.546	43	23041	40.59	ug/L	99
23) methylene chloride	7.285	84	8359	3.28	ug/L	98
30) 2-butanone	9.183	72	1374	7.69	ug/L #	1

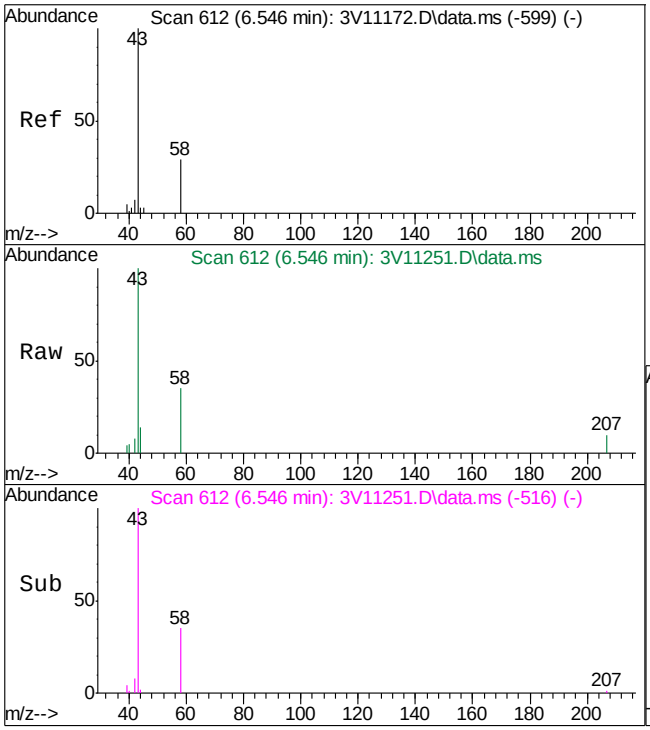
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11251.D
Acq On : 28 May 2014 3:54 pm
Operator : thienn
Sample : jb67744-10
Misc : MS68115,V3V477,5.2,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 29 09:13:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

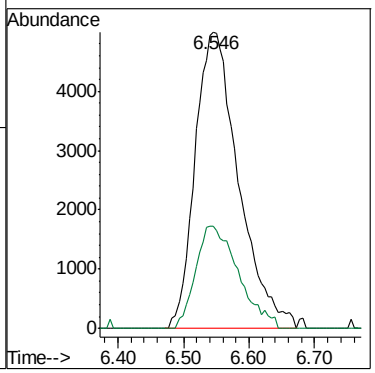


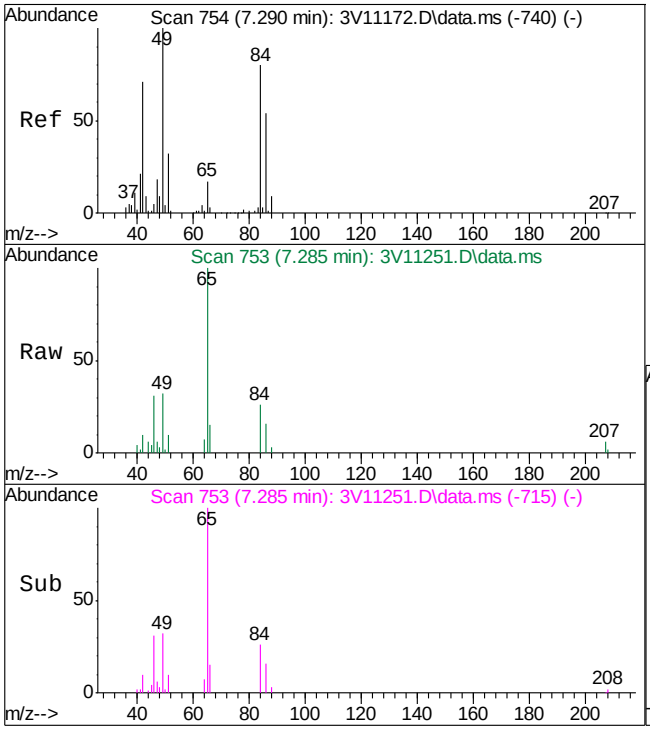


#17
acetone
Concen: 40.59 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11251.D
Acq: 28 May 2014 3:54 pm

Tgt Ion: 43 Resp: 23041

Ion	Ratio	Lower	Upper
43	100		
58	34.5	3.8	63.8

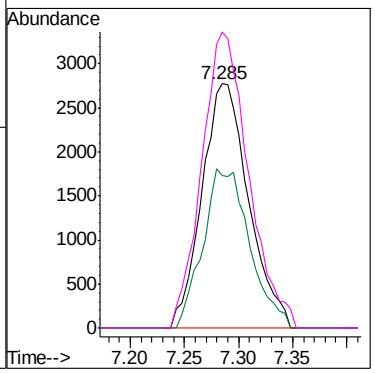


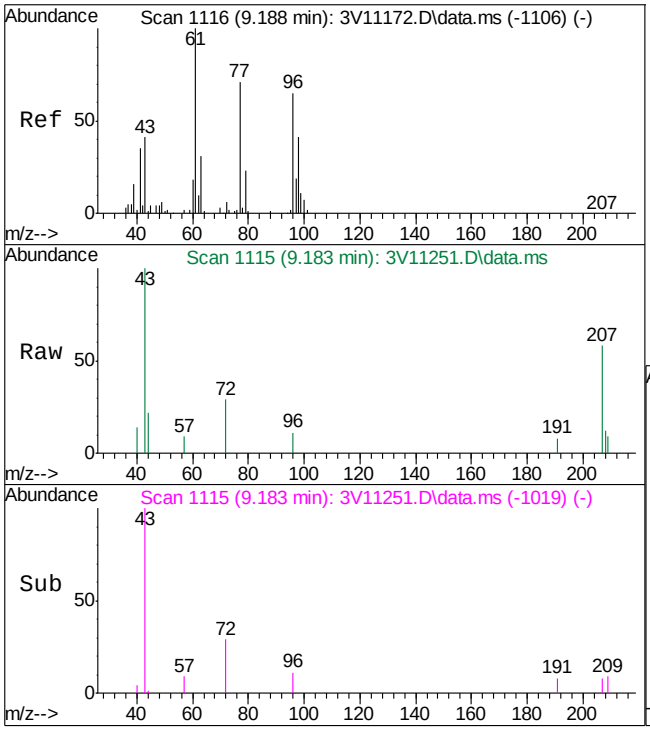


#23
methylene chloride
Concen: 3.28 ug/L
RT: 7.285 min Scan# 753
Delta R.T. -0.000 min
Lab File: 3V11251.D
Acq: 28 May 2014 3:54 pm

Tgt Ion: 84 Resp: 8359

Ion	Ratio	Lower	Upper
84	100		
86	62.6	44.9	83.5
49	121.3	83.8	155.6

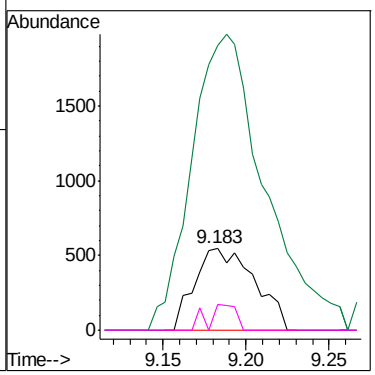




#30
2-butanone
Concen: 7.69 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11251.D
Acq: 28 May 2014 3:54 pm

Tgt Ion: 72 Resp: 1374

Ion	Ratio	Lower	Upper
72	100		
43	442.0	704.9	1309.1#
57	0.0	17.5	32.5#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128752.D
Acq On : 30 May 2014 7:06 pm
Operator : mariceld
Sample : jb67744-11
Misc : MS68116,V1C5741,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 02 14:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

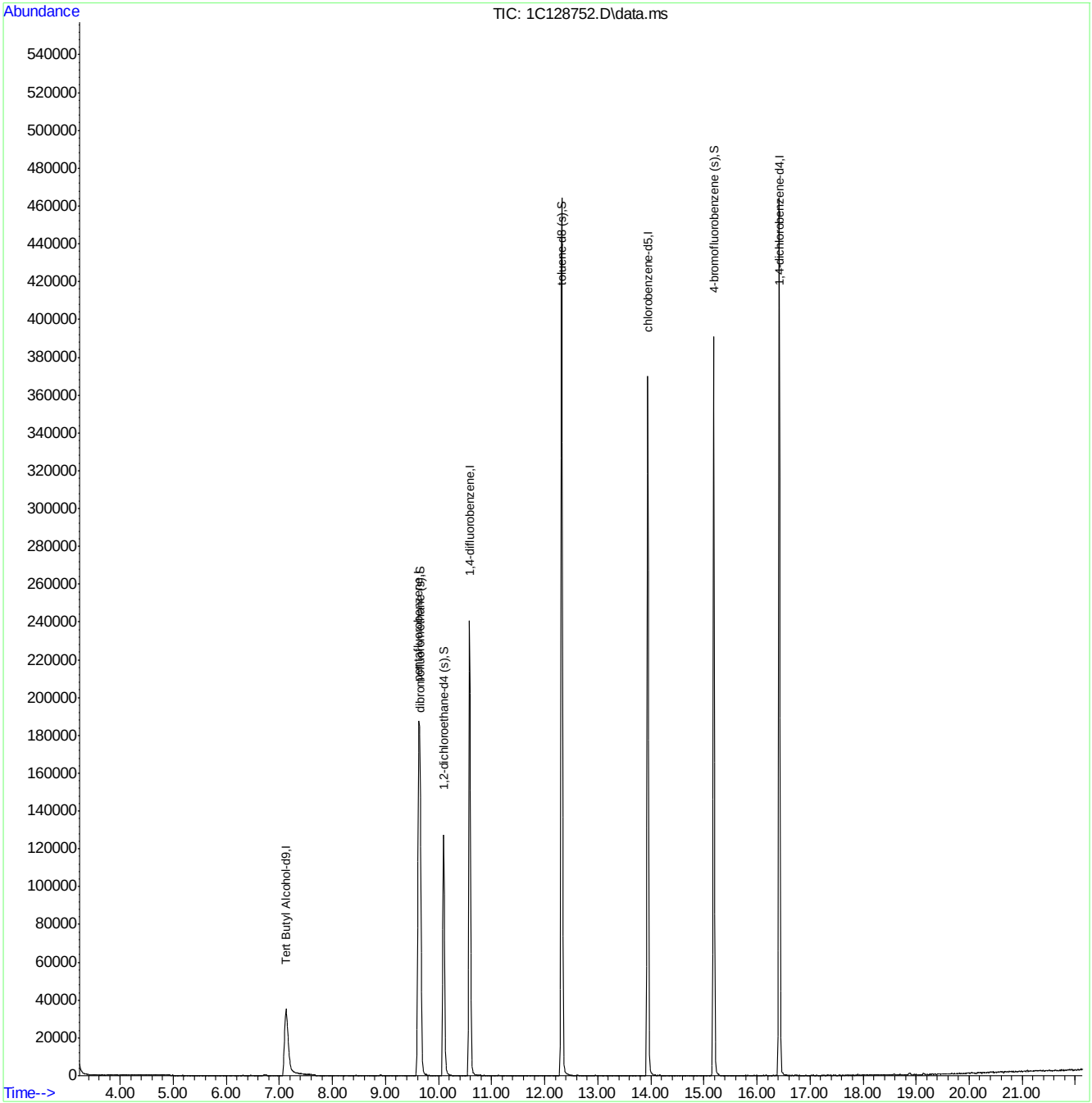
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.126	65	110769	500.00	ug/L	0.00
4) pentafluorobenzene	9.626	168	159618	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	239001	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	224506	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	133379	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.652	113	95826	51.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.22%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	109217	50.27	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 100.54%			
80) toluene-d8 (s)	12.320	98	353471	52.79	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.58%			
105) 4-bromofluorobenzene (s)	15.186	95	136848	52.12	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.24%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128752.D
Acq On : 30 May 2014 7:06 pm
Operator : mariceld
Sample : jb67744-11
Misc : MS68116,V1C5741,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 02 14:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11256.D
Acq On : 28 May 2014 6:08 pm
Operator : thienn
Sample : jb67744-12
Misc : MS68115,V3V477,5.5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 29 09:16:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

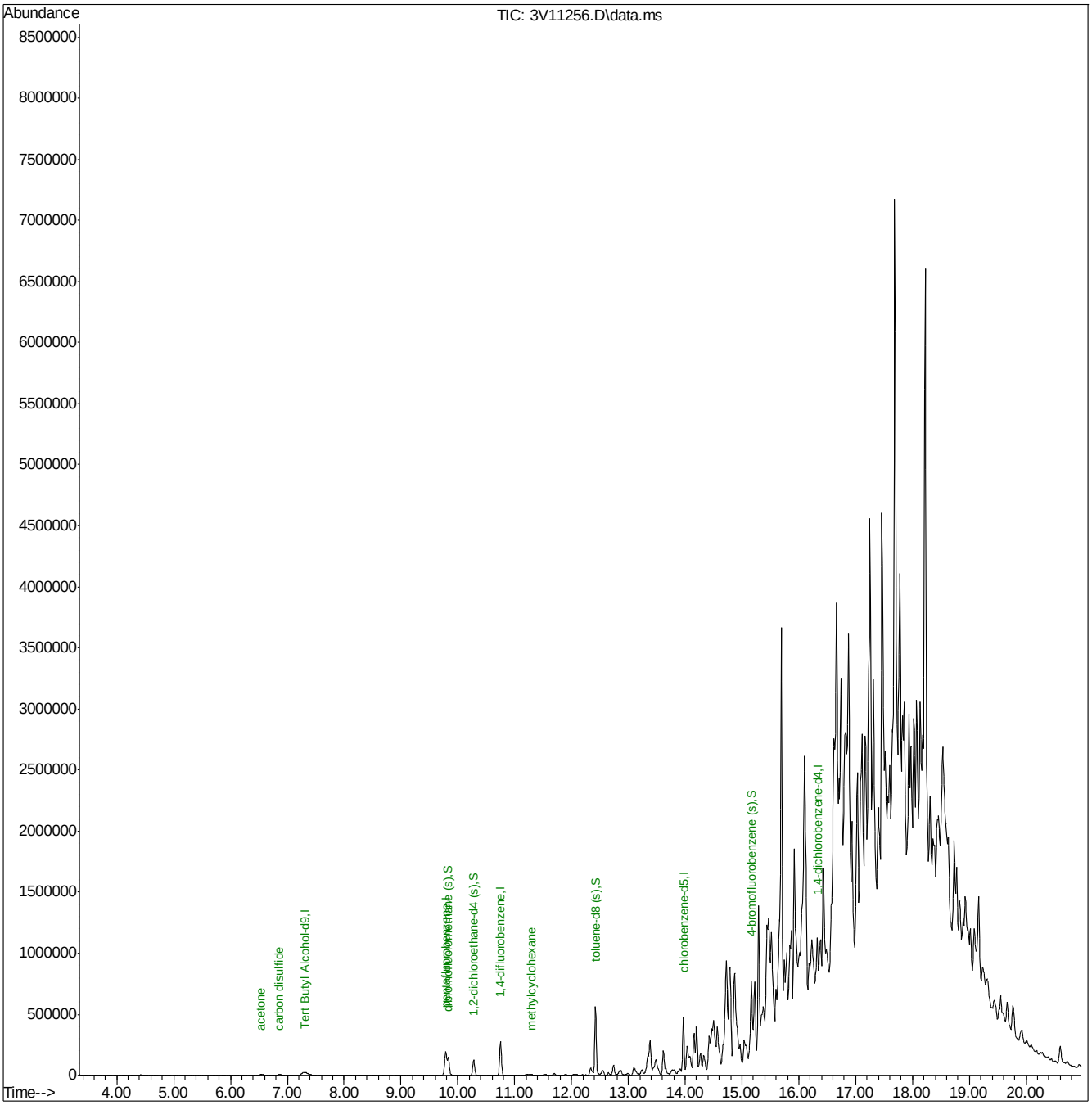
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	89682	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	190129	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	282595	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	268816	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.329	152	171516	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	116166	48.29	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 96.58%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	102683	48.75	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 97.50%			
71) toluene-d8 (s)	12.423	98	424150	60.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 121.20%			
95) 4-bromofluorobenzene (s)	15.165	95	181640	60.40	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 120.80%			
Target Compounds						Qvalue
17) acetone	6.535	43	14126	20.99	ug/L	97
22) carbon disulfide	6.860	76	14618	1.54	ug/L	93
67) methylcyclohexane	11.290	83	4349	1.15	ug/L	96

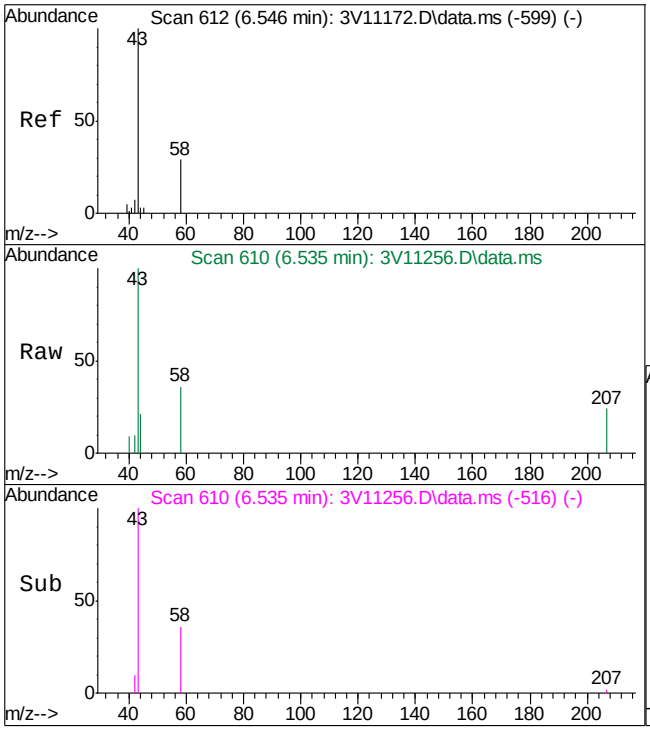
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11256.D
Acq On : 28 May 2014 6:08 pm
Operator : thienn
Sample : jb67744-12
Misc : MS68115,V3V477,5.5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 29 09:16:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

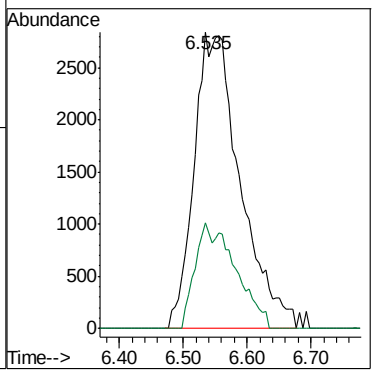


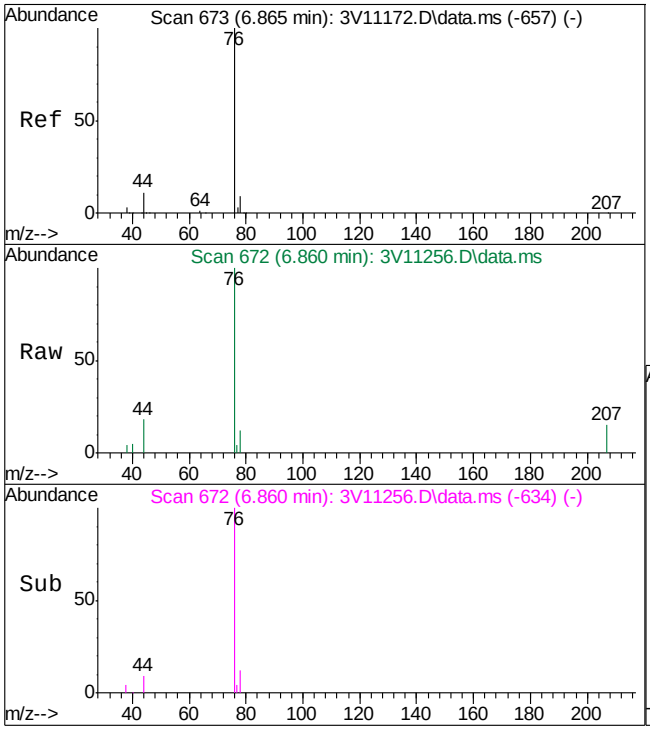


#17
acetone
Concen: 20.99 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11256.D
Acq: 28 May 2014 6:08 pm

Tgt Ion: 43 Resp: 14126

Ion	Ratio	Lower	Upper
43	100		
58	35.6	3.8	63.8

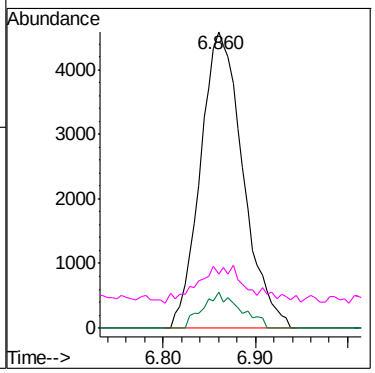


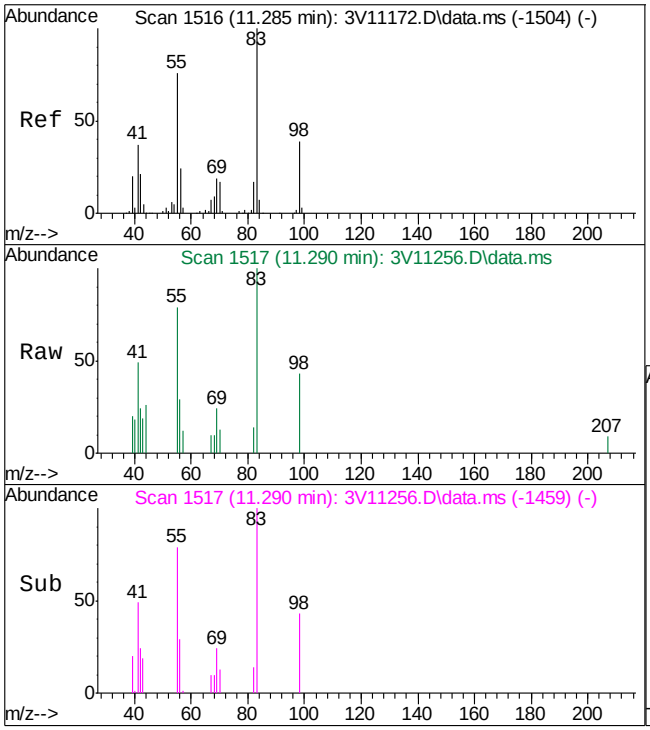


#22
carbon disulfide
Concen: 1.54 ug/L
RT: 6.860 min Scan# 672
Delta R.T. 0.000 min
Lab File: 3V11256.D
Acq: 28 May 2014 6:08 pm

Tgt Ion: 76 Resp: 14618

Ion	Ratio	Lower	Upper
76	100		
78	12.2	0.0	39.0
44	8.6	0.0	40.7

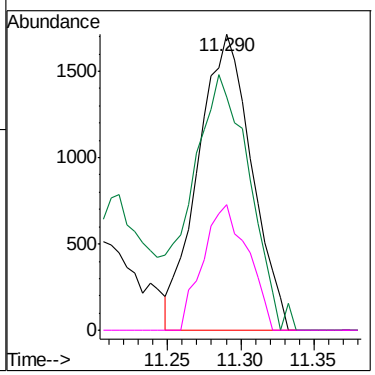




#67
methylcyclohexane
Concen: 1.15 ug/L
RT: 11.290 min Scan# 1517
Delta R.T. 0.005 min
Lab File: 3V11256.D
Acq: 28 May 2014 6:08 pm

Tgt Ion: 83 Resp: 4349

Ion	Ratio	Lower	Upper
83	100		
55	79.0	46.1	106.1
98	42.6	8.8	68.8



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11252.D
Acq On : 28 May 2014 4:21 pm
Operator : thienn
Sample : jb67744-13
Misc : MS68115,V3V477,2.9,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 09:13:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

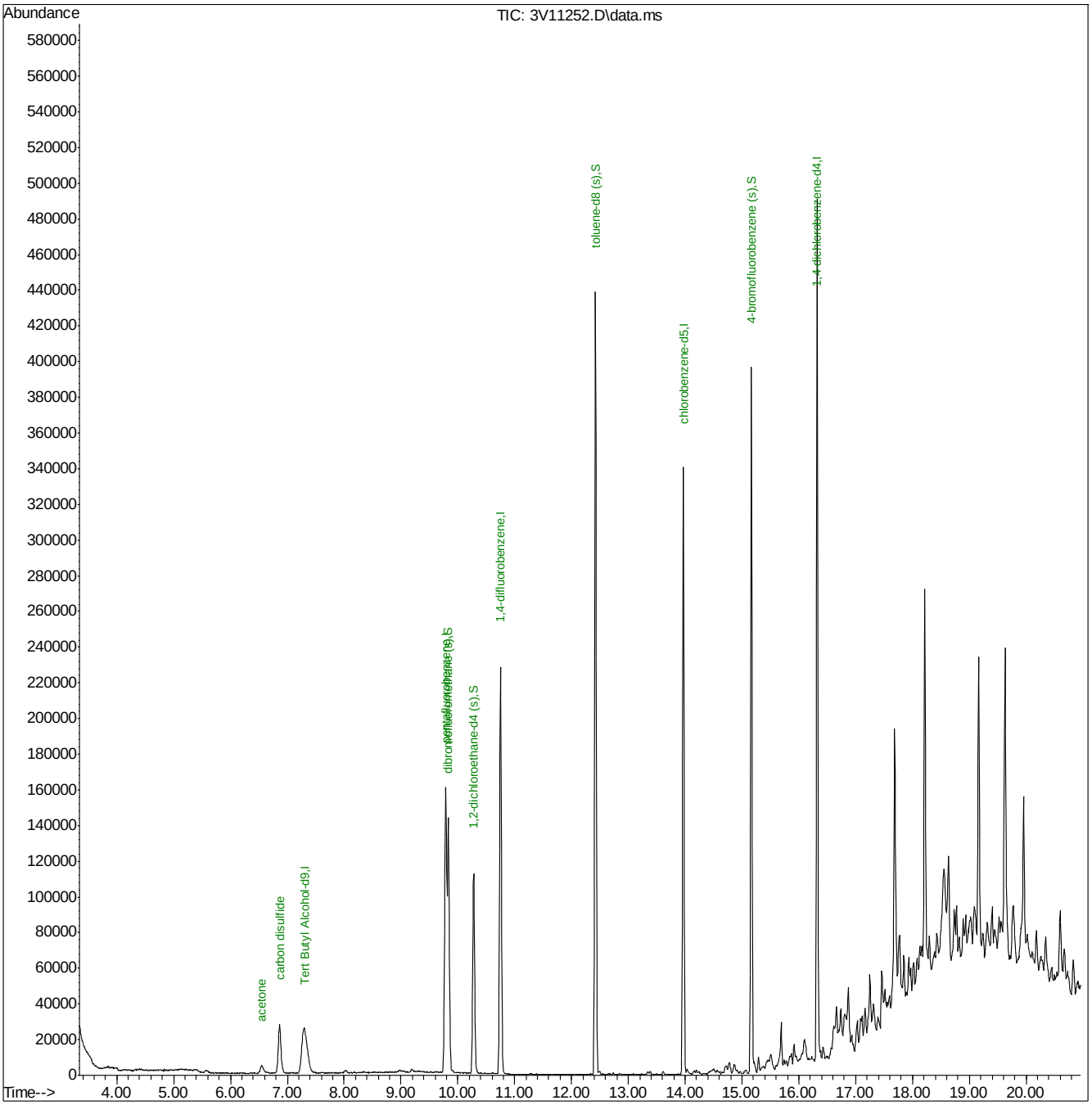
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	91698	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	154043	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	227789	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	203692	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	124232	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	106984	54.89	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 109.78%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	94252	55.23	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 110.46%			
71) toluene-d8 (s)	12.423	98	325747	57.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.48%			
95) 4-bromofluorobenzene (s)	15.165	95	132257	60.72	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 121.44%			
Target Compounds						Qvalue
17) acetone	6.546	43	12995	23.84	ug/L	95
22) carbon disulfide	6.865	76	68921	8.96	ug/L	99

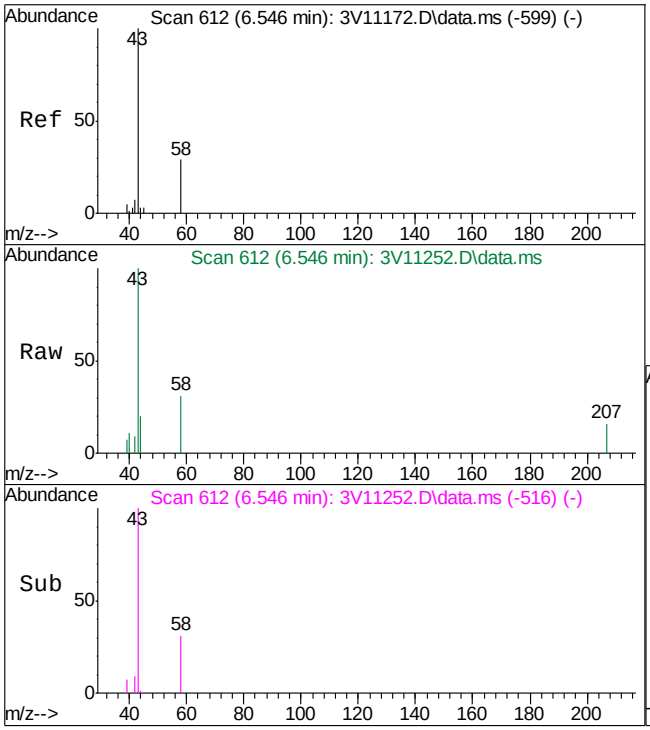
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11252.D
Acq On : 28 May 2014 4:21 pm
Operator : thienn
Sample : jb67744-13
Misc : MS68115,V3V477,2.9,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 09:13:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

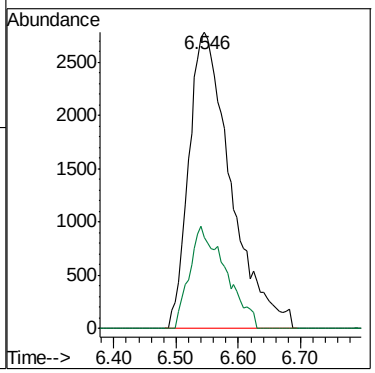


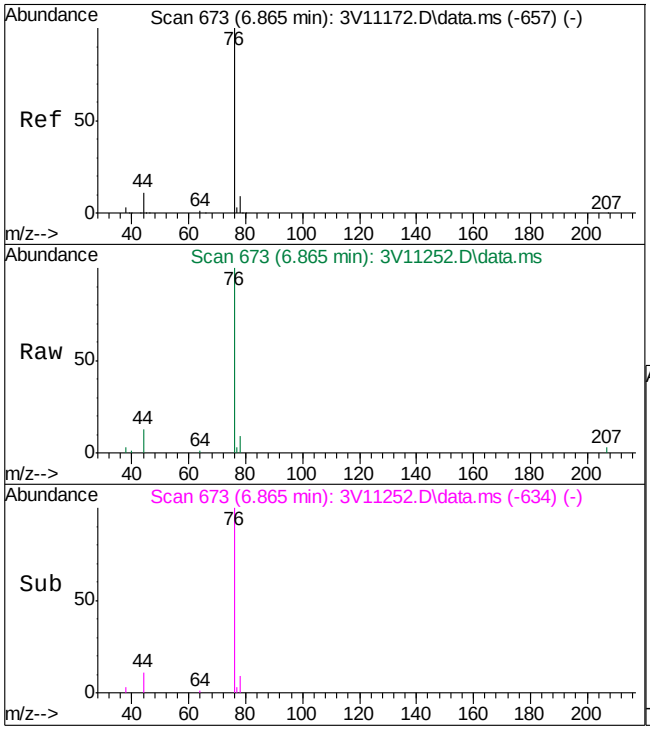


#17
acetone
Concen: 23.84 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11252.D
Acq: 28 May 2014 4:21 pm

Tgt Ion: 43 Resp: 12995

Ion	Ratio	Lower	Upper
43	100		
58	30.7	3.8	63.8

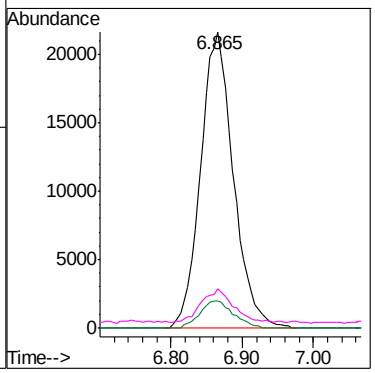




#22
carbon disulfide
Concen: 8.96 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11252.D
Acq: 28 May 2014 4:21 pm

Tgt Ion: 76 Resp: 68921

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	39.0
44	10.9	0.0	40.7



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11253.D
Acq On : 28 May 2014 4:47 pm
Operator : thienn
Sample : jb67744-14
Misc : MS68115,V3V477,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 29 09:14:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

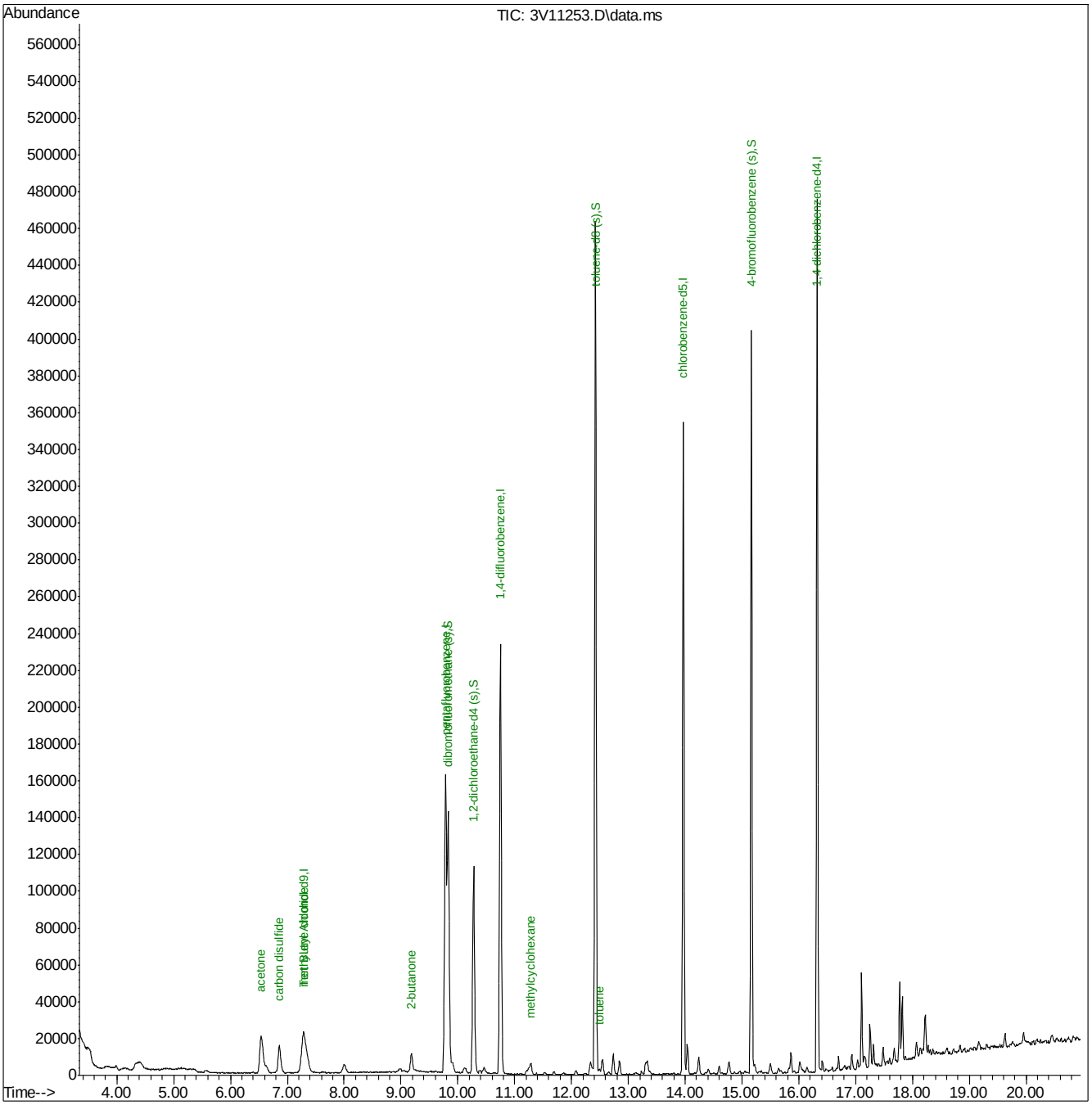
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.285	65	71155	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	157812	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	234288	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	211805	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	123951	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	108048	54.11	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 108.22%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	94008	53.77	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 107.54%			
71) toluene-d8 (s)	12.418	98	337388	58.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 116.30%			
95) 4-bromofluorobenzene (s)	15.165	95	135187	62.20	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 124.40%			
Target Compounds						Qvalue
17) acetone	6.535	43	57436	102.83	ug/L	98
22) carbon disulfide	6.860	76	37069	4.70	ug/L	98
23) methylene chloride	7.285	84	4515	1.80	ug/L	97
30) 2-butanone	9.183	72	4806	27.32	ug/L #	1
67) methylcyclohexane	11.285	83	3582	1.14	ug/L	95
73) toluene	12.496	92	1313	0.31	ug/L	96

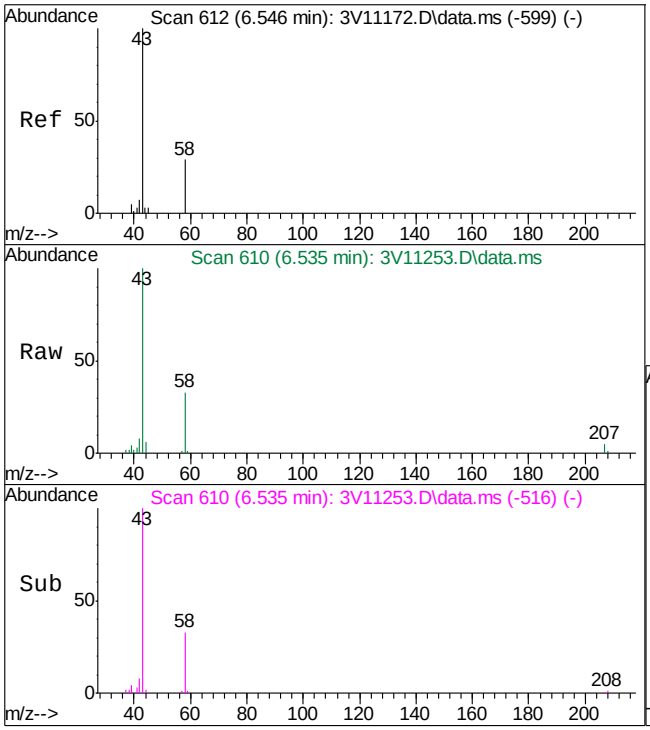
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11253.D
Acq On : 28 May 2014 4:47 pm
Operator : thienn
Sample : jb67744-14
Misc : MS68115,V3V477,4.5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 29 09:14:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

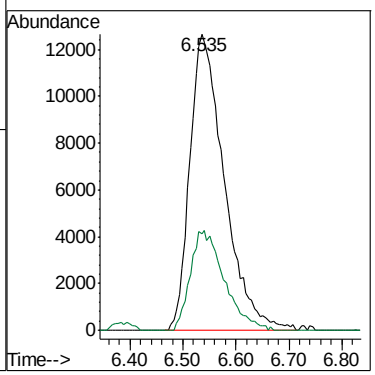


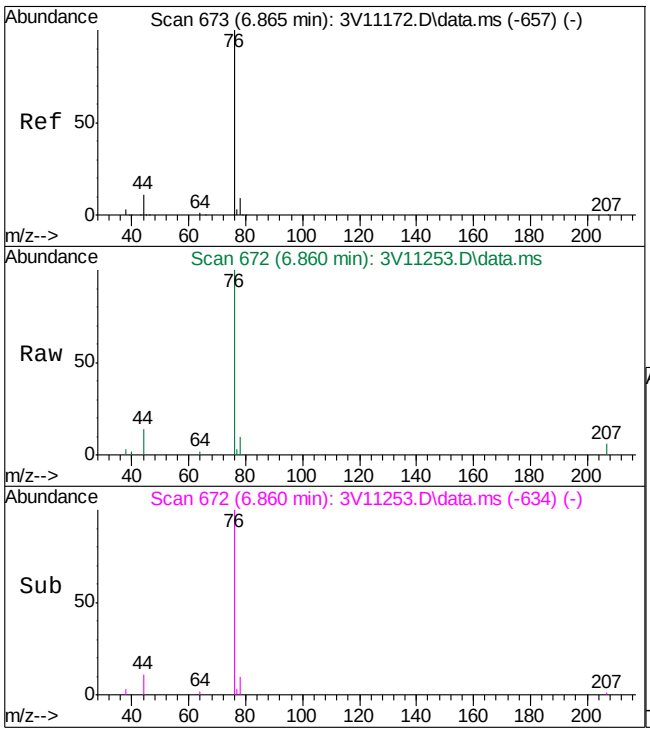


#17
acetone
Concen: 102.83 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11253.D
Acq: 28 May 2014 4:47 pm

Tgt Ion: 43 Resp: 57436

Ion	Ratio	Lower	Upper
43	100		
58	32.7	3.8	63.8

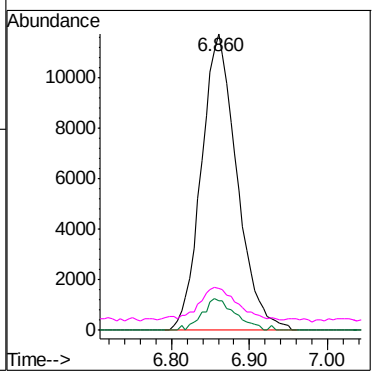


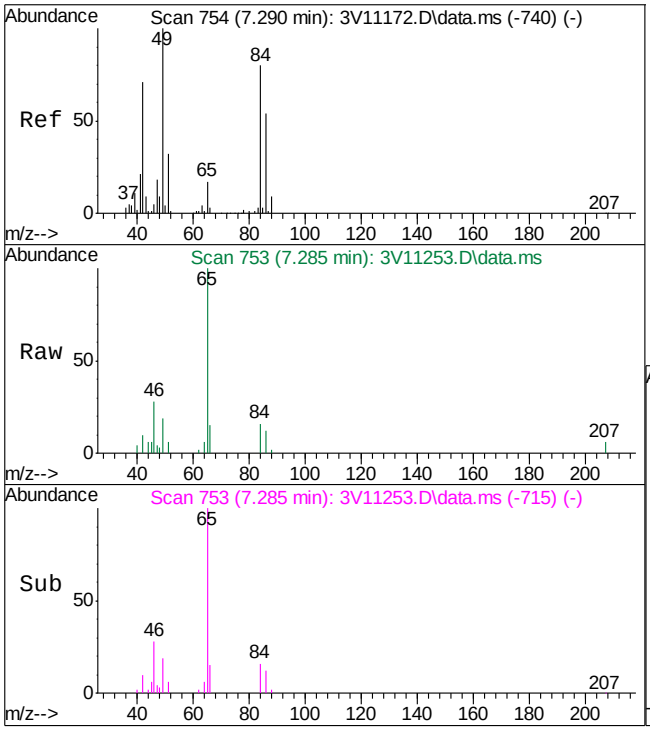


#22
carbon disulfide
Concen: 4.70 ug/L
RT: 6.860 min Scan# 672
Delta R.T. -0.000 min
Lab File: 3V11253.D
Acq: 28 May 2014 4:47 pm

Tgt Ion: 76 Resp: 37069

Ion	Ratio	Lower	Upper
76	100		
78	9.9	0.0	39.0
44	10.1	0.0	40.7

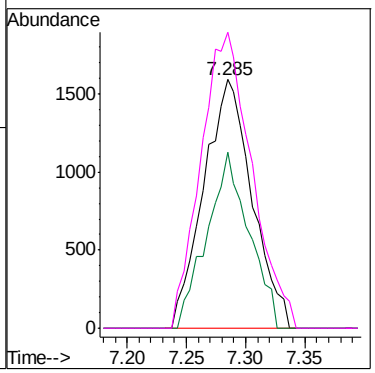


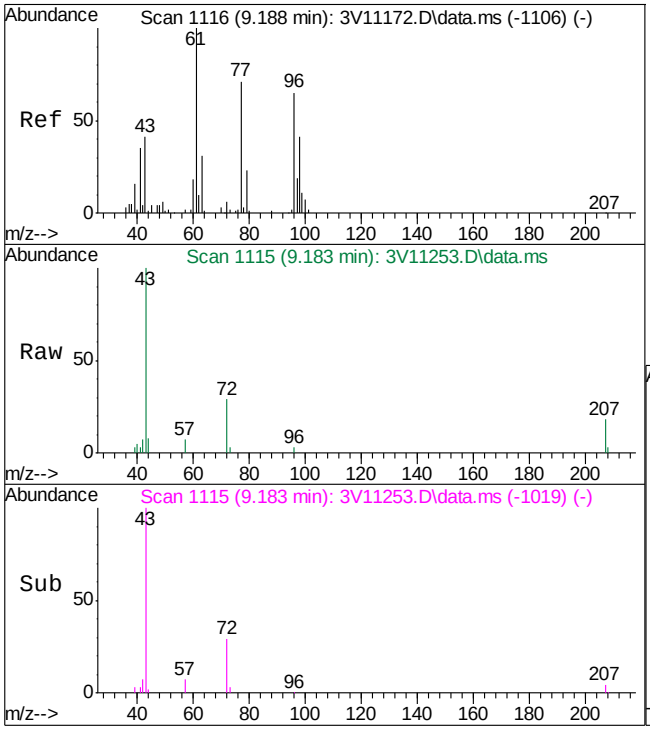


#23
methylene chloride
Concen: 1.80 ug/L
RT: 7.285 min Scan# 753
Delta R.T. -0.000 min
Lab File: 3V11253.D
Acq: 28 May 2014 4:47 pm

Tgt Ion: 84 Resp: 4515

Ion	Ratio	Lower	Upper
84	100		
86	70.9	44.9	83.5
49	119.0	83.8	155.6

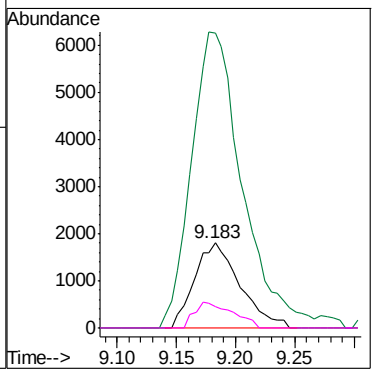


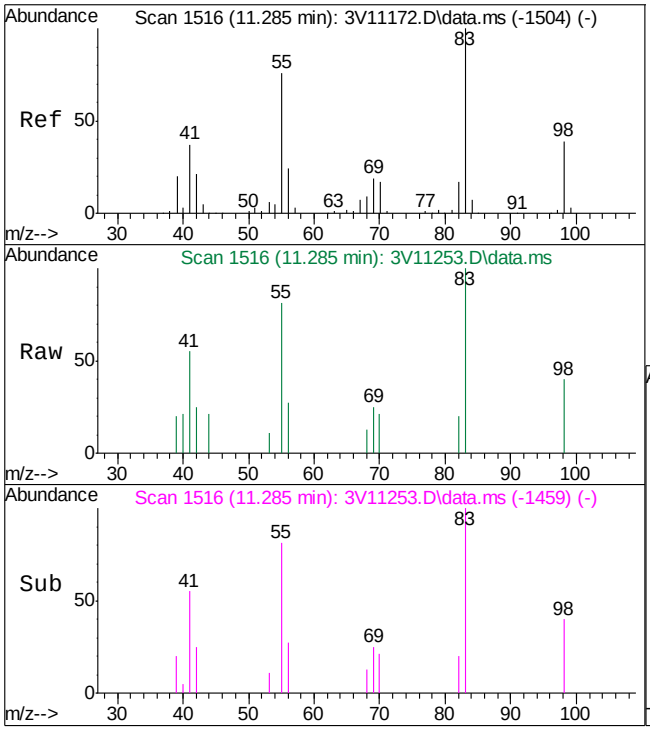


#30
2-butanone
Concen: 27.32 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11253.D
Acq: 28 May 2014 4:47 pm

Tgt Ion: 72 Resp: 4806

Ion	Ratio	Lower	Upper
72	100		
43	394.3	704.9	1309.1#
57	25.7	17.5	32.5

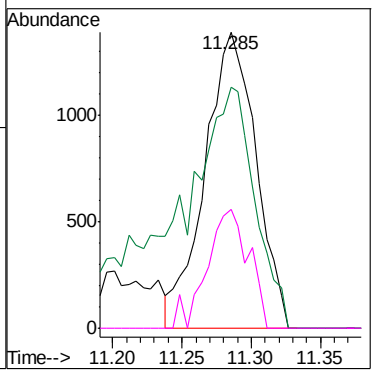


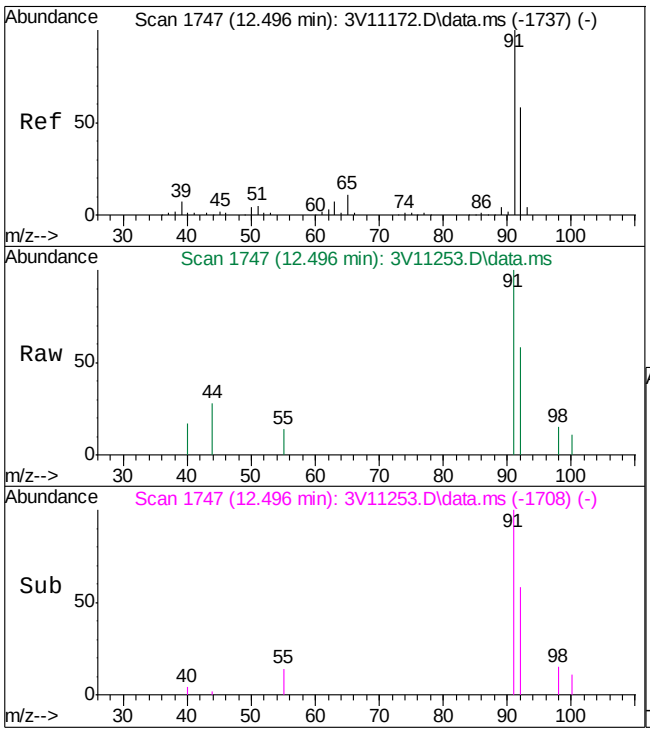


#67
methylcyclohexane
Concen: 1.14 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11253.D
Acq: 28 May 2014 4:47 pm

Tgt Ion: 83 Resp: 3582

Ion	Ratio	Lower	Upper
83	100		
55	81.3	46.1	106.1
98	40.3	8.8	68.8

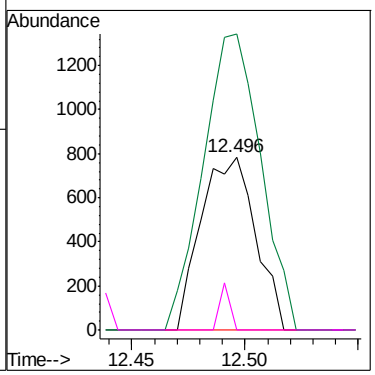




#73
toluene
Concen: 0.31 ug/L
RT: 12.496 min Scan# 1747
Delta R.T. 0.005 min
Lab File: 3V11253.D
Acq: 28 May 2014 4:47 pm

Tgt Ion: 92 Resp: 1313

Ion	Ratio	Lower	Upper
92	100		
91	171.3	141.7	201.7
65	0.0	0.0	48.2



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11254.D
Acq On : 28 May 2014 5:15 pm
Operator : thienn
Sample : jb67744-15
Misc : MS68115,V3V477,5.5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 29 09:15:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

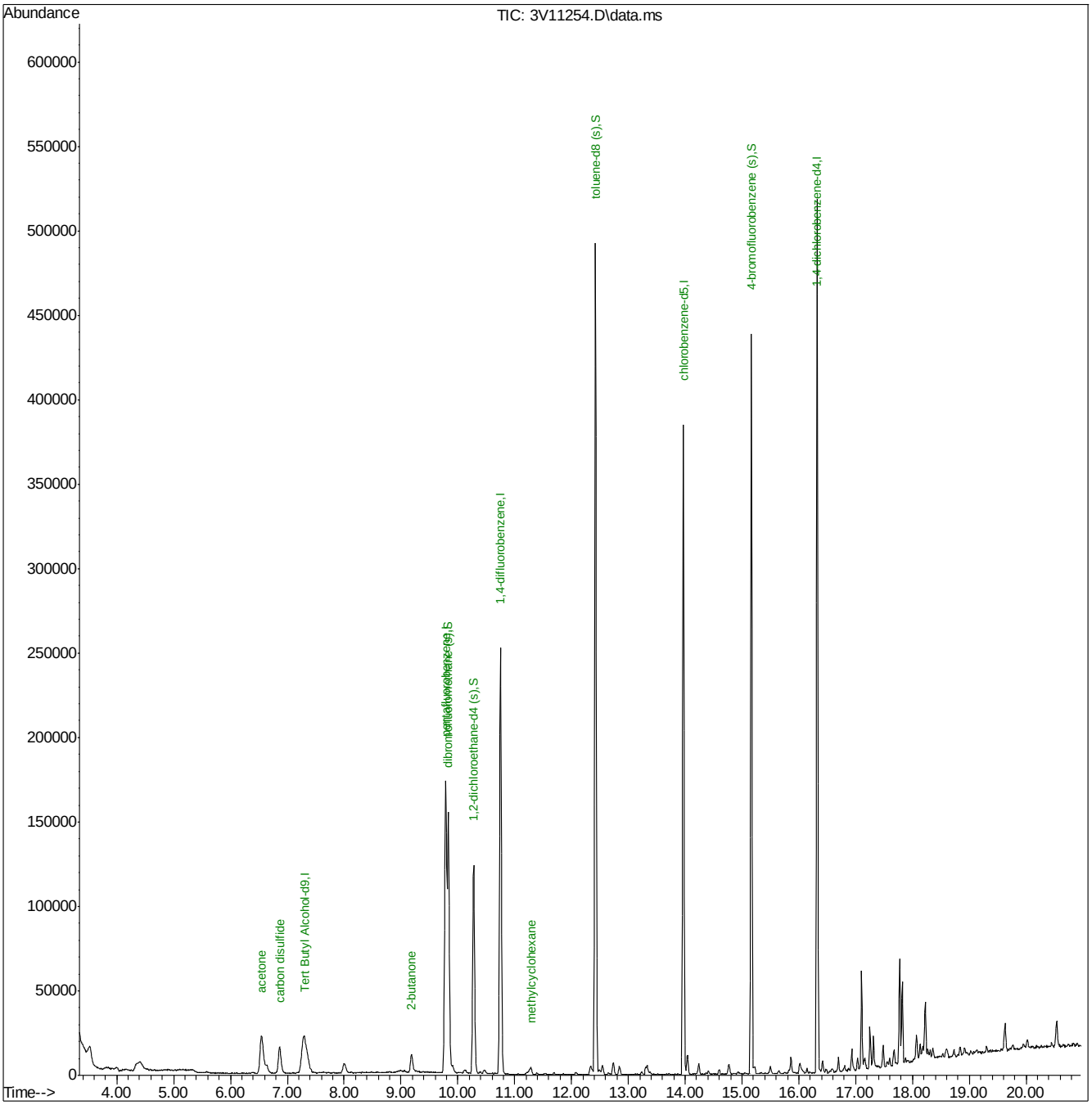
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.300	65	78085	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	166706	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	249737	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	226662	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	133980	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	116941	55.44	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 110.88%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	102852	55.69	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 111.38%			
71) toluene-d8 (s)	12.418	98	356770	57.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.36%			
95) 4-bromofluorobenzene (s)	15.165	95	144052	61.32	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 122.64%			
Target Compounds						Qvalue
17) acetone	6.545	43	63773	108.09	ug/L	99
22) carbon disulfide	6.865	76	40036	4.81	ug/L	97
30) 2-butanone	9.183	72	5073	27.30	ug/L #	1
67) methylcyclohexane	11.290	83	2243	0.67	ug/L	91

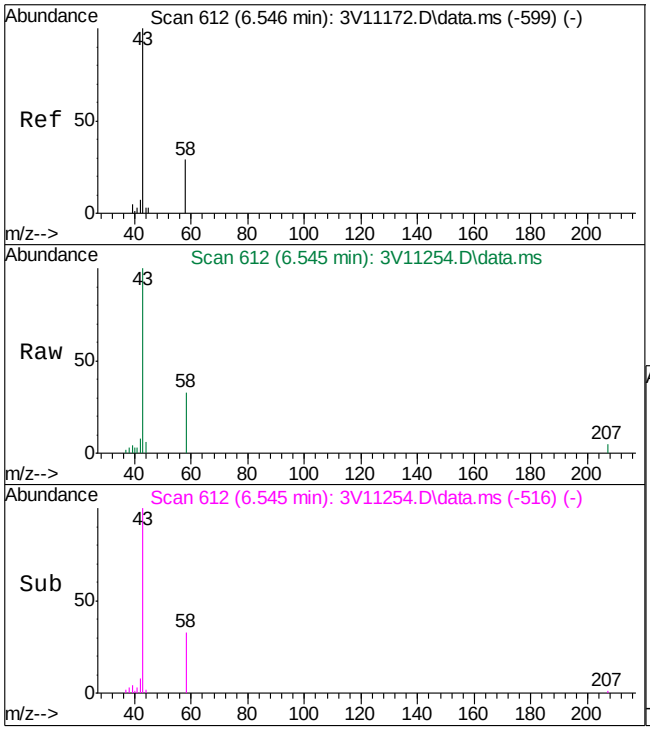
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11254.D
Acq On : 28 May 2014 5:15 pm
Operator : thienn
Sample : jb67744-15
Misc : MS68115,V3V477,5.5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 29 09:15:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

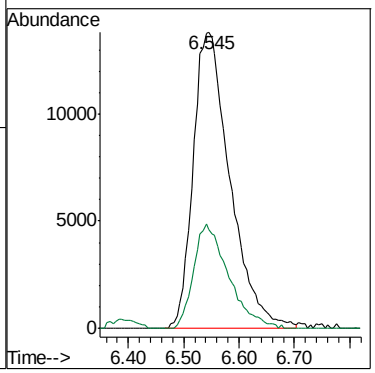


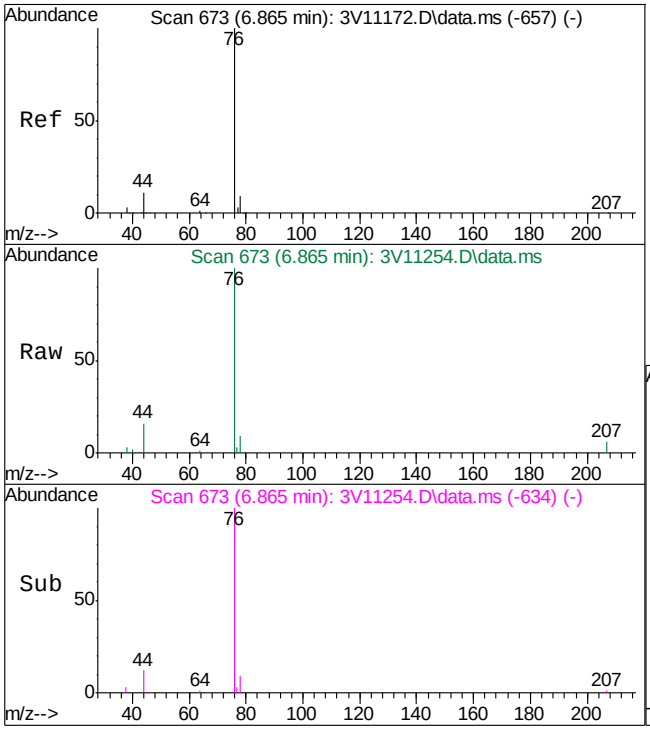


#17
acetone
Concen: 108.09 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11254.D
Acq: 28 May 2014 5:15 pm

Tgt Ion: 43 Resp: 63773

Ion	Ratio	Lower	Upper
43	100		
58	33.2	3.8	63.8

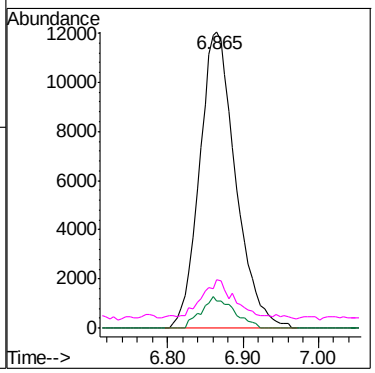


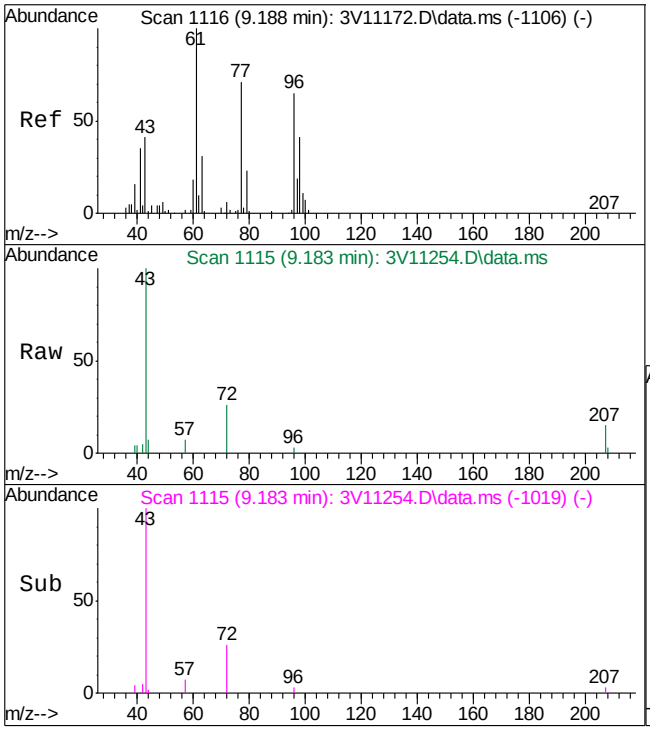


#22
carbon disulfide
Concen: 4.81 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11254.D
Acq: 28 May 2014 5:15 pm

Tgt Ion: 76 Resp: 40036

Ion	Ratio	Lower	Upper
76	100		
78	9.0	0.0	39.0
44	12.8	0.0	40.7

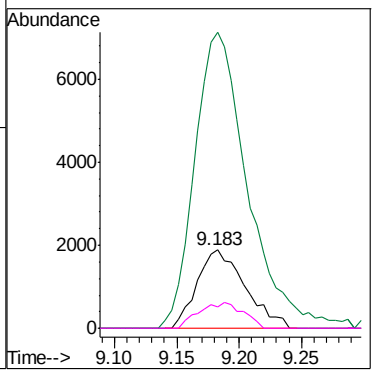


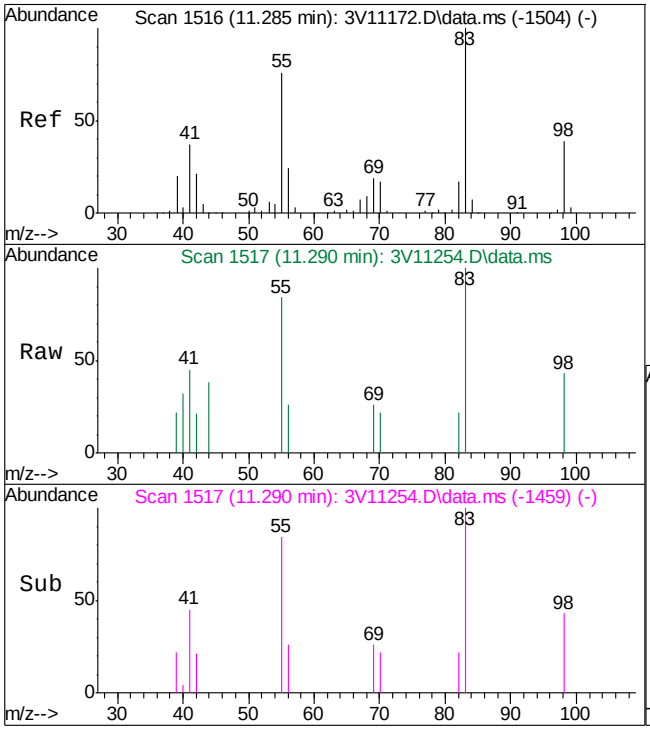


#30
2-butanone
Concen: 27.30 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11254.D
Acq: 28 May 2014 5:15 pm

Tgt Ion: 72 Resp: 5073

Ion	Ratio	Lower	Upper
72	100		
43	417.3	704.9	1309.1#
57	30.6	17.5	32.5

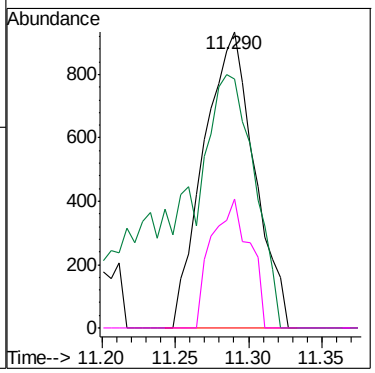




#67
methylcyclohexane
Concen: 0.67 ug/L
RT: 11.290 min Scan# 1517
Delta R.T. 0.005 min
Lab File: 3V11254.D
Acq: 28 May 2014 5:15 pm

Tgt Ion: 83 Resp: 2243

Ion	Ratio	Lower	Upper
83	100		
55	84.0	46.1	106.1
98	43.5	8.8	68.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11239.D
Acq On : 28 May 2014 10:18 am
Operator : thienn
Sample : mb1
Misc : MS68115,V3V477,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 09:06:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

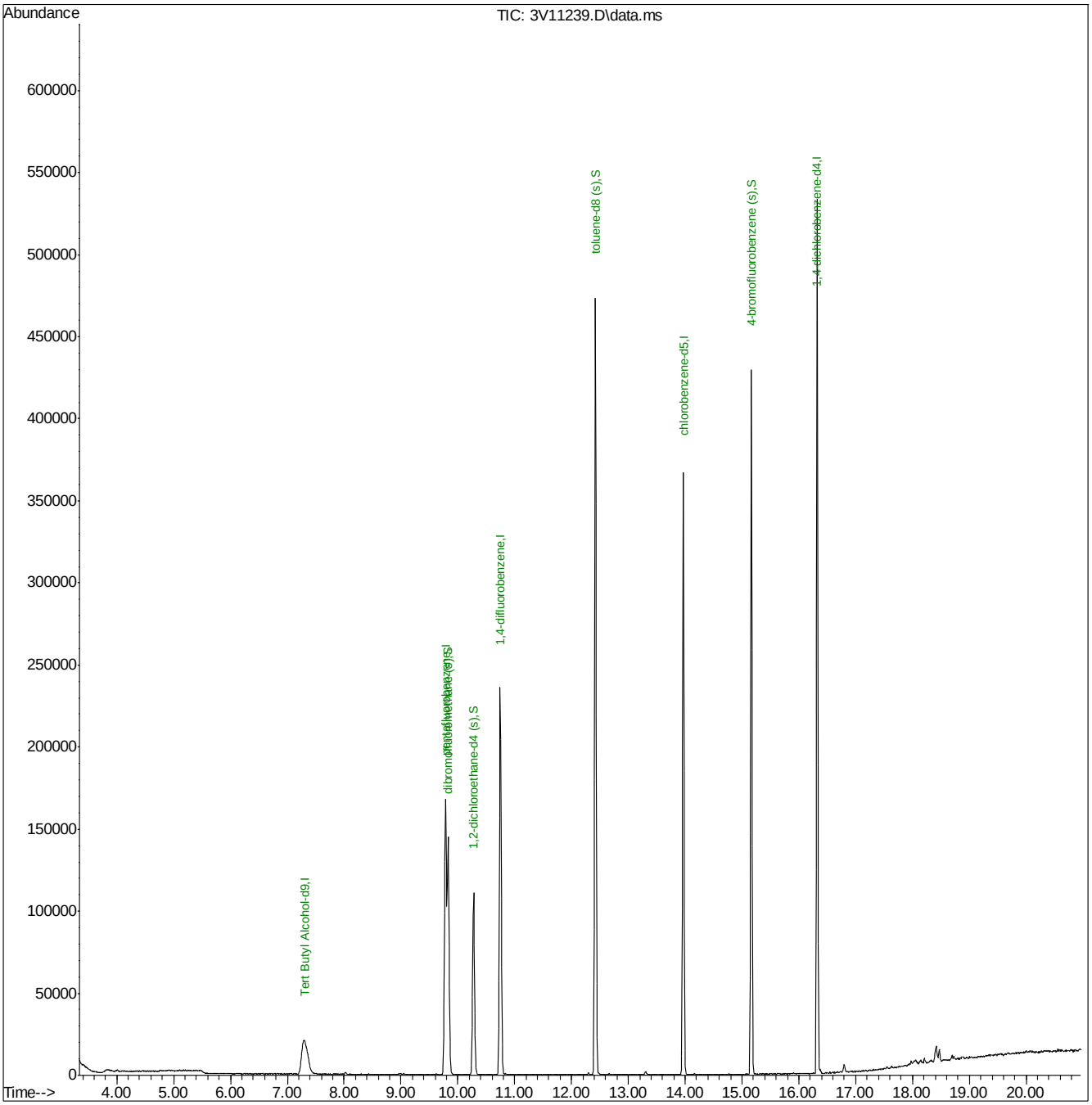
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	85062	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.786	168	163078	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	240364	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	220954	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	138778	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	109184	52.91	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.82%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	94187	52.13	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 104.26%			
71) toluene-d8 (s)	12.418	98	345264	58.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 116.00%			
95) 4-bromofluorobenzene (s)	15.165	95	142170	58.43	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.86%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11239.D
Acq On : 28 May 2014 10:18 am
Operator : thienn
Sample : mb1
Misc : MS68115,V3V477,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 09:06:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128737.D
Acq On : 30 May 2014 11:52 am
Operator : mariceld
Sample : mb
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 14:44:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

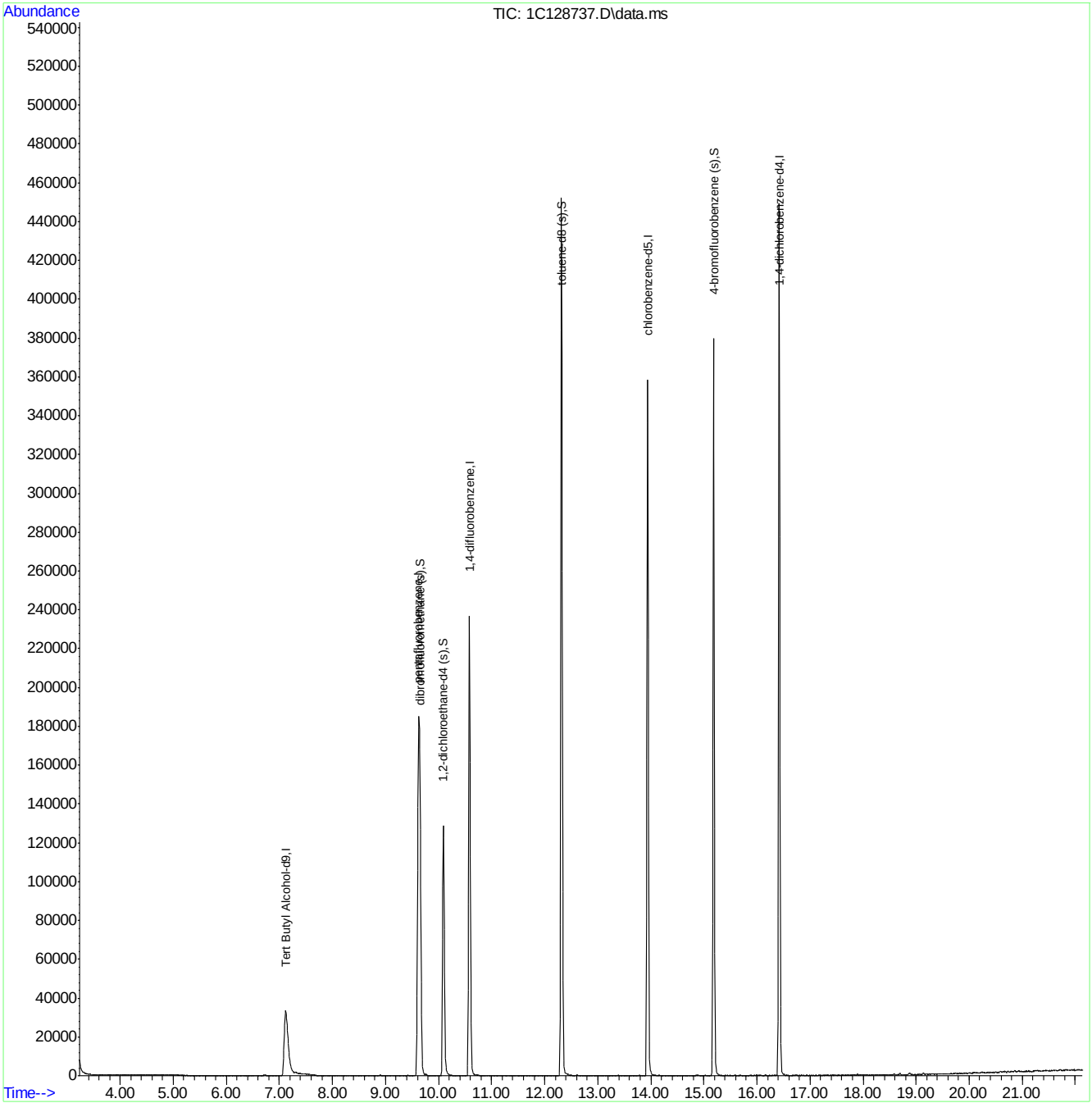
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.121	65	111078	500.00	ug/L	0.00
4) pentafluorobenzene	9.621	168	155980	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.584	114	235531	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	217741	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.421	152	128941	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.647	113	95254	51.99	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.98%			
53) 1,2-dichloroethane-d4 (s)	10.092	65	107716	50.74	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.48%			
80) toluene-d8 (s)	12.315	98	344564	52.22	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 104.44%			
105) 4-bromofluorobenzene (s)	15.186	95	131799	51.93	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.86%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128737.D
Acq On : 30 May 2014 11:52 am
Operator : mariceld
Sample : mb
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 02 14:44:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11240.D
Acq On : 28 May 2014 10:59 am
Operator : thienn
Sample : bs
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:07:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.295	65	110275	500.00	ug/L		-0.01
5) pentafluorobenzene	9.786	168	164240	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	241811	50.00	ug/L		0.00
79) chlorobenzene-d5	13.965	117	218231	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	141718	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	110085	52.97	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.94%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	95859	52.68	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 105.36%				
71) toluene-d8 (s)	12.418	98	345252	57.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.30%				
95) 4-bromofluorobenzene (s)	15.165	95	142228	57.24	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 114.48%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.511	88	36645	1303.73	ug/L		99
4) tertiary butyl alcohol	7.453	59	80242	271.66	ug/L		95
6) chlorodifluoromethane	3.552	51	146509	46.15	ug/L		99
7) dichlorodifluoromethane	3.536	85	218557	50.09	ug/L		99
8) chloromethane	3.866	50	200222	53.32	ug/L		98
9) vinyl chloride	4.134	62	219289	54.25	ug/L		98
10) bromomethane	4.810	94	133683	52.09	ug/L		100
11) chloroethane	4.999	64	70785	53.06	ug/L		98
12) trichlorofluoromethane	5.513	101	225065	50.57	ug/L		97
13) ethyl ether	5.969	74	44660	54.10	ug/L		97
14) 2-chloropropane	6.184	43	166075	52.99	ug/L		100
15) acrolein	6.284	56	157293	476.42	ug/L		99
16) 1,1-dichloroethene	6.425	96	108202	48.66	ug/L		99
17) acetone	6.535	43	27532	47.36	ug/L		97
18) allyl chloride	7.054	76	57538	56.60	ug/L		94
19) acetonitrile	7.054	40	81971	570.78	ug/L	#	79
20) iodomethane	6.745	142	236606	50.95	ug/L		98
21) iso-butyl alcohol	10.142	41	39386	625.82	ug/L		98
22) carbon disulfide	6.860	76	443497	54.06	ug/L		99
23) methylene chloride	7.285	84	122674	46.99	ug/L		98
24) 1-chloropropane	7.301	42	152163	42.82	ug/L		99
25) methyl acetate	7.065	74	12747	54.93	ug/L		97
26) methyl tert butyl ether	7.641	73	568125	106.23	ug/L		98
27) trans-1,2-dichloroethene	7.694	96	110243	46.85	ug/L		99
28) di-isopropyl ether	8.334	45	291188	51.82	ug/L		94
29) ethyl tert-butyl ether	8.858	59	296183	52.55	ug/L		99
30) 2-butanone	9.183	72	10525	57.49	ug/L		95
31) 1,1-dichloroethane	8.360	63	189849	52.68	ug/L		99
32) chloroprene	8.470	53	117201	49.29	ug/L		98
33) acrylonitrile	7.699	53	157460	297.37	ug/L		99
34) vinyl acetate	8.370	86	12274	60.00	ug/L		93
35) ethyl acetate	9.199	45	9984	55.27	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11240.D
Acq On : 28 May 2014 10:59 am
Operator : thienn
Sample : bs
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:07:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	191468	52.52	ug/L		98
37) cis-1,2-dichloroethene	9.193	96	118407	44.13	ug/L		96
38) propionitrile	9.314	54	136025	613.99	ug/L		92
39) methyl acrylate	9.283	55	85248	55.73	ug/L	#	99
40) bromochloromethane	9.539	128	57215	51.71	ug/L		99
41) tetrahydrofuran	9.571	42	27572	56.44	ug/L		99
42) chloroform	9.613	83	189153	48.33	ug/L		99
45) freon 113	6.404	151	98706	49.76	ug/L		96
46) methacrylonitrile	9.498	41	41301	54.43	ug/L		99
47) 1,1,1-trichloroethane	9.854	97	191853	52.66	ug/L		99
48) tert-amyl methyl ether	10.368	73	290776	51.65	ug/L		96
50) epichlorohydrin	12.067	57	41241	321.04	ug/L		98
51) n-butyl alcohol	10.934	56	182713	3365.95	ug/L		99
52) cyclohexane	9.906	84	161104	51.08	ug/L		94
53) carbon tetrachloride	10.059	117	174141	54.48	ug/L		99
54) 1,1-dichloropropene	10.043	75	127362	50.73	ug/L		97
56) ISOOCTANE	10.310	57	332459	46.70	ug/L		96
57) benzene	10.326	78	388199	51.51	ug/L		99
58) heptane	10.504	57	60288	49.47	ug/L		98
59) isopropyl acetate	10.294	43	204454	57.48	ug/L		100
60) 1,2-dichloroethane	10.373	62	113024	53.47	ug/L		97
61) trichloroethene	11.086	95	102881	52.29	ug/L		99
63) 2-nitropropane	11.936	43	138112	54.90	ug/L		98
64) 2-chloroethyl vinyl ether	11.936	63	203988	295.23	ug/L		99
65) methyl methacrylate	11.280	41	83528	66.89	ug/L		87
66) 1,2-dichloropropane	11.374	63	95502	52.71	ug/L		97
67) methylcyclohexane	11.285	83	163971	50.53	ug/L		94
68) dibromomethane	11.542	93	61671	54.14	ug/L		98
69) bromodichloromethane	11.684	83	129926	53.92	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	141475	52.80	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	33863	60.84	ug/L		99
73) toluene	12.491	92	215730	49.04	ug/L		100
74) 3-methyl-1-butanol	12.297	70	62187	1313.45	ug/L		100
75) trans-1,3-dichloropropene	12.722	75	121611	53.35	ug/L		97
76) ethyl methacrylate	12.711	69	92550	54.51	ug/L		99
77) 1,1,2-trichloroethane	12.937	83	66069	53.64	ug/L		99
78) 2-hexanone	13.115	58	29539	58.11	ug/L		98
80) tetrachloroethene	13.079	166	109427	54.04	ug/L		98
81) 1,3-dichloropropane	13.120	76	113739	55.50	ug/L		99
82) butyl acetate	13.183	56	48896	57.87	ug/L		95
83) dibromochloromethane	13.388	129	104447	55.69	ug/L		98
84) 1,2-dibromoethane	13.535	107	84271	57.54	ug/L		99
86) chlorobenzene	14.001	112	265391	53.96	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	111077	55.12	ug/L		99
88) ethylbenzene	14.054	91	446828	52.13	ug/L		99
89) m,p-xylene	14.164	106	347084	103.31	ug/L		99
90) o-xylene	14.599	106	180158	55.21	ug/L		100
91) styrene	14.615	104	284509	57.13	ug/L		99
92) bromoform	14.898	173	80031	58.43	ug/L		98
94) isopropylbenzene	14.945	105	488903	54.58	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11240.D
Acq On : 28 May 2014 10:59 am
Operator : thienn
Sample : bs
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:07:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

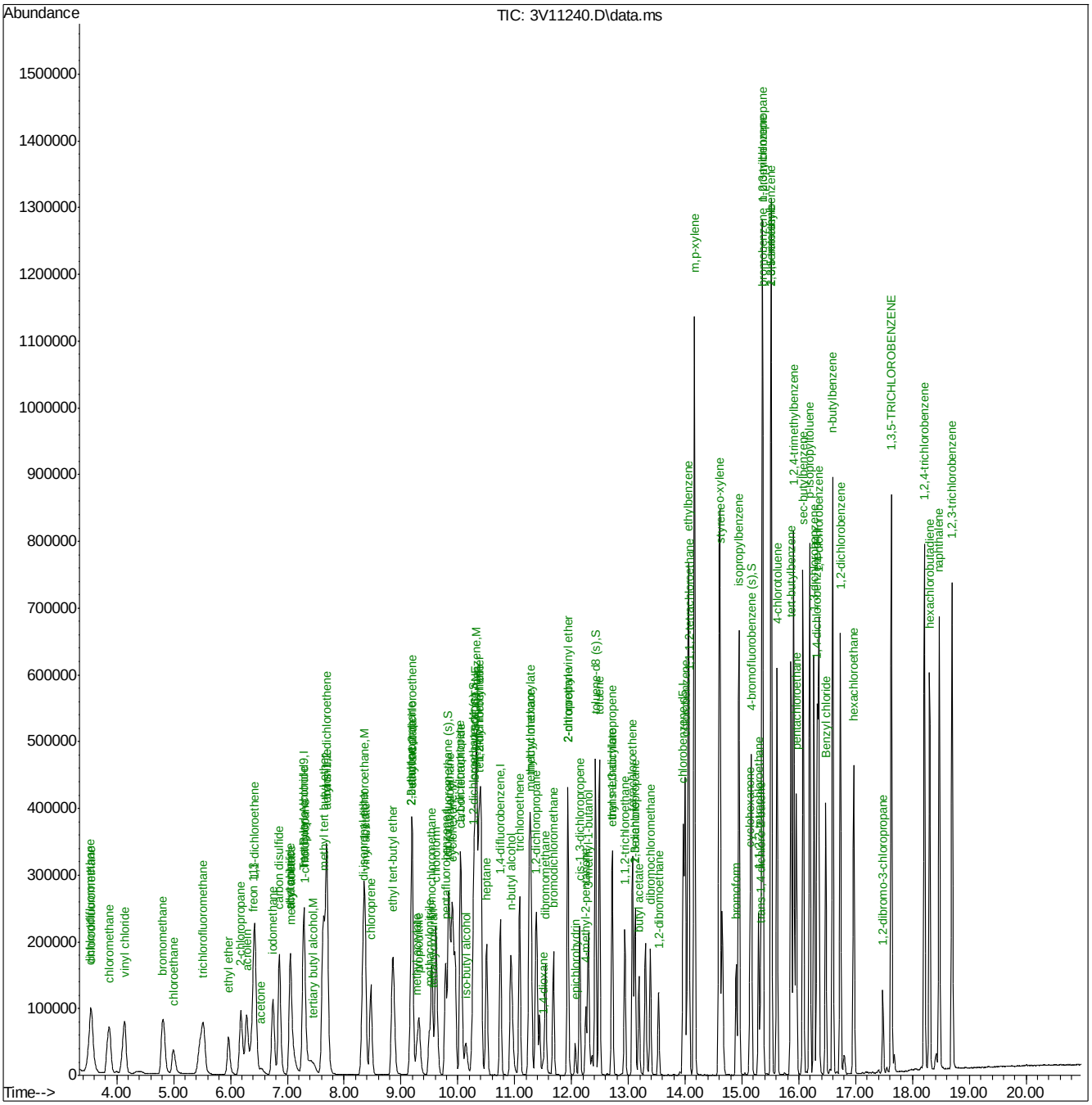
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) bromobenzene	15.359	156	132408	53.59	ug/L	99
97) cyclohexanone	15.144	55	94638	271.83	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	130829	56.55	ug/L	98
99) trans-1,4-dichloro-2-b...	15.328	53	29729	57.53	ug/L	85
100) 1,2,3-trichloropropane	15.364	110	28637	57.48	ug/L	96
101) n-propylbenzene	15.364	91	614553	56.89	ug/L	100
102) 2-chlorotoluene	15.517	126	127328	54.82	ug/L	97
103) 4-chlorotoluene	15.616	91	350892	52.41	ug/L	99
104) 1,3,5-trimethylbenzene	15.517	105	423958	54.59	ug/L	99
105) tert-butylbenzene	15.863	119	337480	52.82	ug/L	98
106) pentachloroethane	15.957	167	91283	54.83	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	455406	55.44	ug/L	99
108) sec-butylbenzene	16.072	105	576112	54.08	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	268267	51.27	ug/L	100
110) p-isopropyltoluene	16.193	119	489235	55.52	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	271604	51.43	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	271660	52.57	ug/L	99
113) n-butylbenzene	16.597	92	282061	56.03	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	29074	56.09	ug/L	99
115) 1,3,5-TRICHLOROBENZENE	17.629	180	281793	54.50	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	258912	53.47	ug/L	99
117) hexachlorobutadiene	18.301	225	133253	52.85	ug/L	100
118) naphthalene	18.468	128	530592	54.98	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	241816	53.42	ug/L	100
120) hexachloroethane	16.969	119	100406	52.74	ug/L	98
121) Benzyl chloride	16.471	91	286297	62.53	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11240.D
Acq On : 28 May 2014 10:59 am
Operator : thienn
Sample : bs
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:07:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128738.D
Acq On : 30 May 2014 12:24 pm
Operator : mariceld
Sample : bs
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 17:43:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.131	65	120182	500.00	ug/L		0.00
4) pentafluorobenzene	9.626	168	154675	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.583	114	234610	50.00	ug/L		0.00
88) chlorobenzene-d5	13.941	117	221769	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.420	152	137888	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.652	113	93831	51.65	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.30%				
53) 1,2-dichloroethane-d4 (s)	10.092	65	107230	50.93	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.86%				
80) toluene-d8 (s)	12.320	98	347192	52.83	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.66%				
105) 4-bromofluorobenzene (s)	15.186	95	134779	49.65	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 99.30%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.267	59	69670	236.55	ug/L		100
3) 1,4-dioxane	11.352	88	22927	995.17	ug/L		96
9) chlorodifluoromethane	3.496	51	80069	48.91	ug/L		98
10) dichlorodifluoromethane	3.486	85	118118	45.56	ug/L		99
12) chloromethane	3.800	50	152886	44.67	ug/L		99
13) vinyl chloride	4.051	62	144513	48.01	ug/L		98
14) bromomethane	4.715	94	88585	48.22	ug/L		100
15) chloroethane	4.898	64	74188	57.85	ug/L		98
19) trichlorofluoromethane	5.411	101	154046	52.48	ug/L		98
20) ethyl ether	5.855	74	51220	50.63	ug/L		96
22) acrolein	6.132	56	235265	456.75	ug/L		100
23) 1,1-dichloroethene	6.305	96	88101	51.64	ug/L		99
24) acetone	6.394	43	36192	44.01	ug/L		95
25) acetonitrile	6.891	40	102425	416.33	ug/L		87
26) allyl chloride	6.901	76	54001	59.96	ug/L	#	90
27) iodomethane	6.598	142	171817	50.58	ug/L		99
28) carbon disulfide	6.723	76	328483	50.67	ug/L		99
29) 2-CHLOROPROPANE	6.059	43	183448	51.18	ug/L		99
30) methylene chloride	7.121	84	97921	49.07	ug/L		97
31) methyl acetate	6.912	43	84866	45.06	ug/L		98
32) methyl tert butyl ether	7.492	73	560584	94.29	ug/L		98
33) trans-1,2-dichloroethene	7.539	96	90124	51.83	ug/L		97
34) 1-CHLOROPROPANE	7.152	42	182279	49.68	ug/L		97
35) di-isopropyl ether	8.188	45	330281	49.18	ug/L		92
36) 2-butanone	9.014	72	13294	50.34	ug/L	#	60
37) 1,1-dichloroethane	8.188	63	180847	50.92	ug/L		98
38) chloroprene	8.308	53	122412	46.79	ug/L		96
39) acrylonitrile	7.503	53	225594	249.93	ug/L		99
40) vinyl acetate	8.204	86	16834	53.39	ug/L		83
41) ethyl tert-butyl ether	8.716	59	298790	48.22	ug/L		99
42) ethyl acetate	9.035	45	17497	47.33	ug/L	#	67
43) 2,2-dichloropropane	9.009	77	143681	51.71	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128738.D
Acq On : 30 May 2014 12:24 pm
Operator : mariceld
Sample : bs
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 17:43:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	cis-1,2-dichloroethene	9.020	96	99697	51.71	ug/L		96
45)	propionitrile	9.108	54	182971	492.20	ug/L		99
46)	methylacrylate	9.114	55	126656	48.76	ug/L		96
47)	bromochloromethane	9.360	128	49922	50.72	ug/L		98
48)	tetrahydrofuran	9.412	72	15395	47.73	ug/L		92
49)	chloroform	9.433	85	106373	51.79	ug/L		100
50)	T-BUTYL FORMATE	9.464	59	90546	47.92	ug/L		97
51)	isobutyl alcohol	9.961	43	61316	408.44	ug/L		97
54)	freon 113	6.289	151	73072	56.97	ug/L		97
55)	methacrylonitrile	9.307	67	43818	48.79	ug/L		99
56)	1,1,1-trichloroethane	9.684	97	145000	52.94	ug/L		97
57)	Cyclohexane	9.752	84	142519	49.93	ug/L		95
59)	ISO-OCTANE	10.175	57	338585	44.53	ug/L		98
60)	epichlorohydrin	11.928	57	63307	227.48	ug/L		100
61)	n-butyl alcohol	10.761	56	186231	1970.80	ug/L		100
62)	carbon tetrachloride	9.903	117	133187	53.51	ug/L		99
63)	1,1-dichloropropene	9.883	75	123382	50.65	ug/L		99
64)	hexane	7.890	57	100291	47.03	ug/L		99
65)	benzene	10.160	78	377785	50.99	ug/L		99
66)	tert-amyl methyl ether	10.217	73	288625	47.29	ug/L		98
67)	heptane	10.369	57	64020	47.58	ug/L		97
68)	isopropyl acetate	10.128	43	268735	48.05	ug/L		100
69)	1,2-dichloroethane	10.191	62	128384	52.79	ug/L		100
70)	trichloroethene	10.934	95	94330	53.15	ug/L		97
71)	2-nitropropane	11.771	41	43147	48.86	ug/L		98
72)	2-chloroethyl vinyl ether	11.797	63	339382	261.83	ug/L		100
73)	methyl methacrylate	11.248	100	25943	50.31	ug/L	#	85
74)	1,2-dichloropropane	11.211	63	104142	51.93	ug/L		97
75)	dibromomethane	11.378	93	61281	50.85	ug/L		97
76)	methylcyclohexane	11.148	83	145321	48.44	ug/L		93
77)	bromodichloromethane	11.530	83	130390	52.13	ug/L		99
79)	cis-1,3-dichloropropene	12.016	75	153309	49.06	ug/L		98
81)	4-methyl-2-pentanone	12.132	58	49290	47.57	ug/L		94
82)	toluene	12.398	92	224512	50.86	ug/L		100
83)	3-methyl-1-butanol	12.184	55	126468	817.04	ug/L		98
84)	trans-1,3-dichloropropene	12.628	75	137843	46.09	ug/L		99
85)	ethyl methacrylate	12.634	69	129691	46.84	ug/L		99
86)	1,1,2-trichloroethane	12.853	83	74358	48.47	ug/L		99
87)	2-hexanone	13.047	58	45485	47.16	ug/L		99
89)	tetrachloroethene	13.021	164	82788	51.77	ug/L		97
90)	1,3-dichloropropane	13.042	76	142498	48.18	ug/L		98
91)	butyl acetate	13.136	56	69144	41.83	ug/L		92
92)	3,3-DIMETHYL-1-BUTANOL	13.251	57	140924	392.84	ug/L		98
93)	dibromochloromethane	13.324	129	101438	46.18	ug/L		99
94)	1,2-dibromoethane	13.476	107	90900	47.99	ug/L		97
95)	chlorobenzene	13.973	112	255424	49.62	ug/L		99
96)	1,1,1,2-tetrachloroethane	14.046	131	103318	49.15	ug/L		99
97)	ethylbenzene	14.035	91	444546	49.46	ug/L		99
98)	m,p-xylene	14.156	106	336600	99.94	ug/L		100
99)	o-xylene	14.600	106	171625	49.29	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128738.D
Acq On : 30 May 2014 12:24 pm
Operator : mariceld
Sample : bs
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 17:43:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

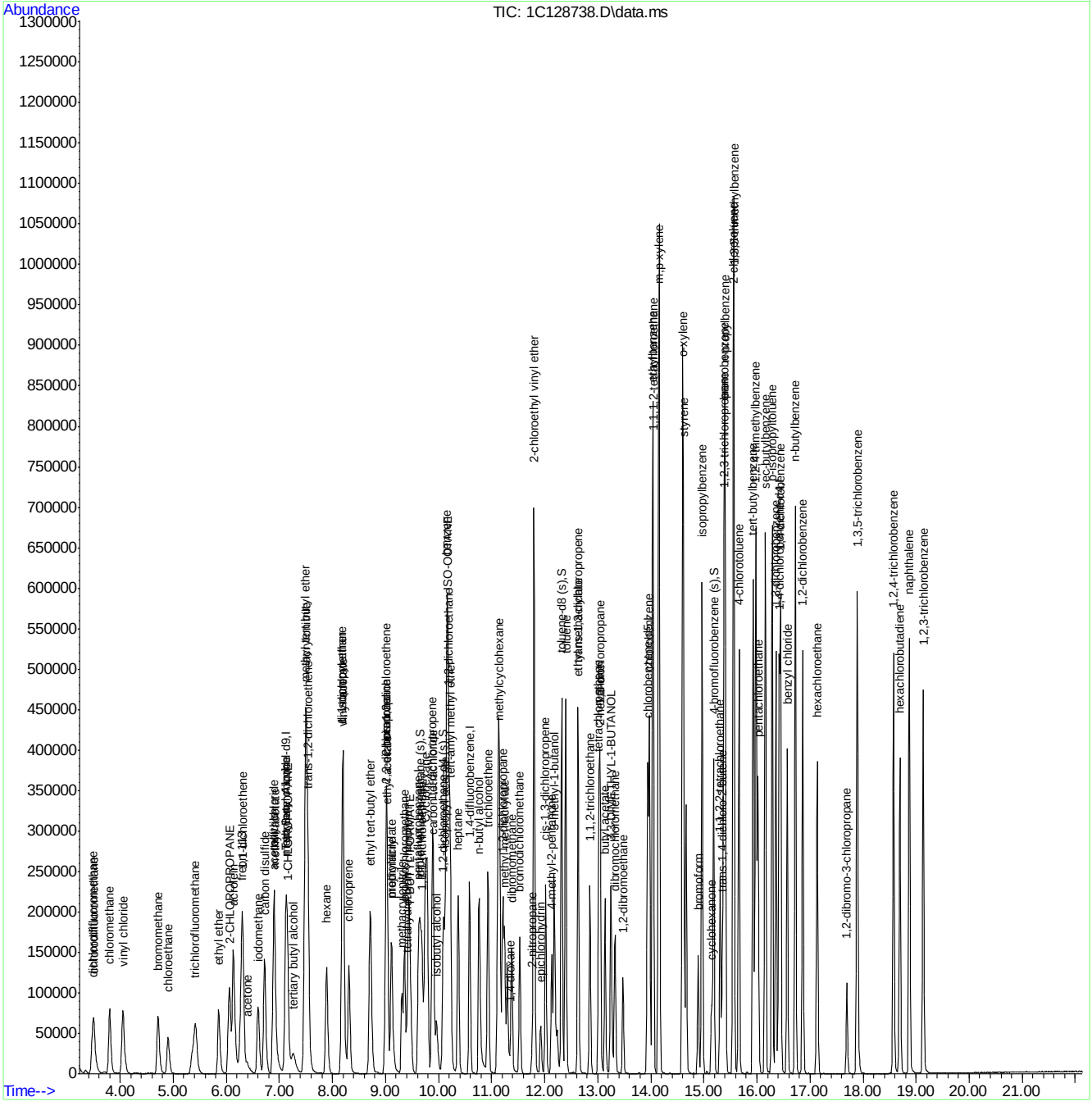
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) styrene	14.616	104	285808	50.19	ug/L	99
102) bromoform	14.893	173	81356	45.00	ug/L	99
104) isopropylbenzene	14.966	105	464936	49.42	ug/L	100
106) cyclohexanone	15.149	55	45461	240.30	ug/L	98
107) bromobenzene	15.385	156	127225	50.13	ug/L	96
108) 1,1,2,2-tetrachloroethane	15.306	83	142240	42.32	ug/L	99
109) trans-1,4-dichloro-2-b...	15.348	53	37174	40.31	ug/L	91
110) 1,2,3-trichloropropane	15.380	110	34176	43.47	ug/L	100
111) n-propylbenzene	15.400	91	563249	51.33	ug/L	99
112) 2-chlorotoluene	15.557	126	115331	49.18	ug/L	97
113) 4-chlorotoluene	15.662	91	327965	47.68	ug/L	99
114) 1,3,5-trimethylbenzene	15.568	105	401696	49.15	ug/L	100
115) tert-butylbenzene	15.929	119	349052	50.13	ug/L	99
116) pentachloroethane	16.023	167	89562	51.49	ug/L	98
117) 1,2,4-trimethylbenzene	15.981	105	417809	51.38	ug/L	99
118) sec-butylbenzene	16.159	105	536752	49.32	ug/L	99
119) 1,3-dichlorobenzene	16.358	146	245436	47.90	ug/L	99
120) p-isopropyltoluene	16.290	119	458876	50.37	ug/L	100
122) 1,4-dichlorobenzene	16.446	146	252376	47.61	ug/L	99
123) benzyl chloride	16.572	91	317561	48.12	ug/L	99
124) 1,2-dichlorobenzene	16.865	146	250459	48.47	ug/L	97
125) n-butylbenzene	16.724	92	242543	51.00	ug/L	99
126) 1,2-dibromo-3-chloropr...	17.697	75	31857	46.82	ug/L	97
127) 1,3,5-trichlorobenzene	17.890	180	236025	53.65	ug/L	99
128) 1,2,4-trichlorobenzene	18.575	180	205259	51.01	ug/L	99
129) hexachlorobutadiene	18.695	225	110068	51.92	ug/L	99
130) naphthalene	18.873	128	492703	46.64	ug/L	100
131) 1,2,3-trichlorobenzene	19.135	180	189169	49.11	ug/L	98
132) hexachloroethane	17.137	201	92765	54.23	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128738.D
Acq On : 30 May 2014 12:24 pm
Operator : mariceld
Sample : bs
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 30 17:43:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11246.D
Acq On : 28 May 2014 1:41 pm
Operator : thienn
Sample : jb67744-2ms
Misc : MS68115,V3V477,4.1,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:10:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	64511	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	158997	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	230162	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	194591	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	123613	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	105355	52.37	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.74%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	82786	47.00	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.00%			
71) toluene-d8 (s)	12.418	98	319797	56.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 112.20%			
95) 4-bromofluorobenzene (s)	15.165	95	126017	58.14	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.28%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.506	88	22379	1361.00	ug/L	97
4) tertiary butyl alcohol	7.437	59	45054	260.73	ug/L	97
6) chlorodifluoromethane	3.552	51	170569	56.59	ug/L	98
7) dichlorodifluoromethane	3.536	85	231894	54.90	ug/L	99
8) chloromethane	3.866	50	196517	54.06	ug/L	98
9) vinyl chloride	4.134	62	217703	55.63	ug/L	99
10) bromomethane	4.815	94	131859	53.07	ug/L	98
11) chloroethane	4.999	64	70427	54.53	ug/L	97
12) trichlorofluoromethane	5.518	101	233892	54.29	ug/L	99
13) ethyl ether	5.964	74	39724	49.71	ug/L	93
14) 2-chloropropane	6.184	43	169698	55.94	ug/L	98
15) acrolein	6.289	56	71712	224.37	ug/L	96
16) 1,1-dichloroethene	6.435	96	113840	52.88	ug/L	98
17) acetone	6.546	43	36062	64.08	ug/L	99
18) allyl chloride	7.054	76	47806	48.58	ug/L	97
19) acetonitrile	7.065	40	55587	399.83	ug/L	95
20) iodomethane	6.745	142	244119	54.30	ug/L	99
21) iso-butyl alcohol	10.137	41	21748	356.96	ug/L	93
22) carbon disulfide	6.860	76	461459	58.10	ug/L	100
23) methylene chloride	7.290	84	123834	49.00	ug/L	99
24) 1-chloropropane	7.306	42	162617	47.27	ug/L	98
25) methyl acetate	7.059	74	9445	42.04	ug/L	96
26) methyl tert butyl ether	7.641	73	264743	51.14	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	113999	50.05	ug/L	96
28) di-isopropyl ether	8.333	45	285190	52.43	ug/L	98
29) ethyl tert-butyl ether	8.863	59	284165	52.08	ug/L	99
30) 2-butanone	9.188	72	8426	47.55	ug/L	74
31) 1,1-dichloroethane	8.365	63	193377	55.43	ug/L	98
32) chloroprene	8.470	53	117649	51.11	ug/L	100
33) acrylonitrile	7.699	53	103447	201.81	ug/L	99
34) vinyl acetate	8.375	86	8423	42.53	ug/L	89
35) ethyl acetate	9.199	45	7211	41.24	ug/L #	20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11246.D
Acq On : 28 May 2014 1:41 pm
Operator : thienn
Sample : jb67744-2ms
Misc : MS68115,V3V477,4.1,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:10:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	202727	57.44	ug/L		98
37) cis-1,2-dichloroethene	9.199	96	119465	46.00	ug/L		98
38) propionitrile	9.314	54	84868	395.71	ug/L		88
39) methyl acrylate	9.282	55	59056	39.88	ug/L	#	99
40) bromochloromethane	9.539	128	53380	49.83	ug/L		96
41) tetrahydrofuran	9.571	42	18848	39.86	ug/L		99
42) chloroform	9.618	83	189710	50.07	ug/L		99
45) freon 113	6.409	151	104650	54.49	ug/L		94
46) methacrylonitrile	9.497	41	29716	40.45	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	196848	55.81	ug/L		99
48) tert-amyl methyl ether	10.373	73	271614	49.83	ug/L		95
50) epichlorohydrin	12.067	57	23420	191.54	ug/L		98
51) n-butyl alcohol	10.934	56	99981	1935.08	ug/L		99
52) cyclohexane	9.906	84	177430	59.11	ug/L		97
53) carbon tetrachloride	10.064	117	170844	56.16	ug/L		99
54) 1,1-dichloropropene	10.048	75	132953	55.64	ug/L		100
55) hexane	8.024	57	97140	51.08	ug/L		99
56) ISOOCTANE	10.310	57	323419	47.73	ug/L		94
57) benzene	10.331	78	390635	54.46	ug/L		99
58) heptane	10.509	57	55115	47.52	ug/L		97
59) isopropyl acetate	10.294	43	145440	42.95	ug/L		99
60) 1,2-dichloroethane	10.373	62	102124	50.76	ug/L		98
61) trichloroethene	11.091	95	102281	54.62	ug/L		97
63) 2-nitropropane	11.935	43	101686	42.47	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	152007	231.13	ug/L		98
65) methyl methacrylate	11.285	41	61046	51.36	ug/L		96
66) 1,2-dichloropropane	11.374	63	92161	53.44	ug/L		98
67) methylcyclohexane	11.285	83	162602	52.64	ug/L		100
68) dibromomethane	11.542	93	53072	48.95	ug/L		98
69) bromodichloromethane	11.684	83	120375	52.48	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	132126	51.80	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	22801	43.04	ug/L		98
73) toluene	12.491	92	206724	49.38	ug/L		99
74) 3-methyl-1-butanol	12.297	70	35590	789.74	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	107431	49.52	ug/L		97
76) ethyl methacrylate	12.711	69	72478	44.84	ug/L		98
77) 1,1,2-trichloroethane	12.937	83	56653	48.32	ug/L		99
78) 2-hexanone	13.115	58	20589	42.56	ug/L		94
80) tetrachloroethene	13.078	166	104470	57.86	ug/L		99
81) 1,3-dichloropropane	13.120	76	96835	53.00	ug/L		98
82) butyl acetate	13.189	56	33361	44.28	ug/L		99
83) dibromochloromethane	13.388	129	89356	53.43	ug/L		97
84) 1,2-dibromoethane	13.535	107	67253	51.50	ug/L		99
86) chlorobenzene	14.001	112	238764	54.44	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	107186	59.65	ug/L		97
88) ethylbenzene	14.054	91	415090	54.31	ug/L		99
89) m,p-xylene	14.164	106	320221	106.89	ug/L		100
90) o-xylene	14.599	106	167713	57.64	ug/L		99
91) styrene	14.615	104	250028	56.30	ug/L		99
92) bromoform	14.898	173	60844	49.82	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11246.D
Acq On : 28 May 2014 1:41 pm
Operator : thienn
Sample : jb67744-2ms
Misc : MS68115,V3V477,4.1,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:10:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

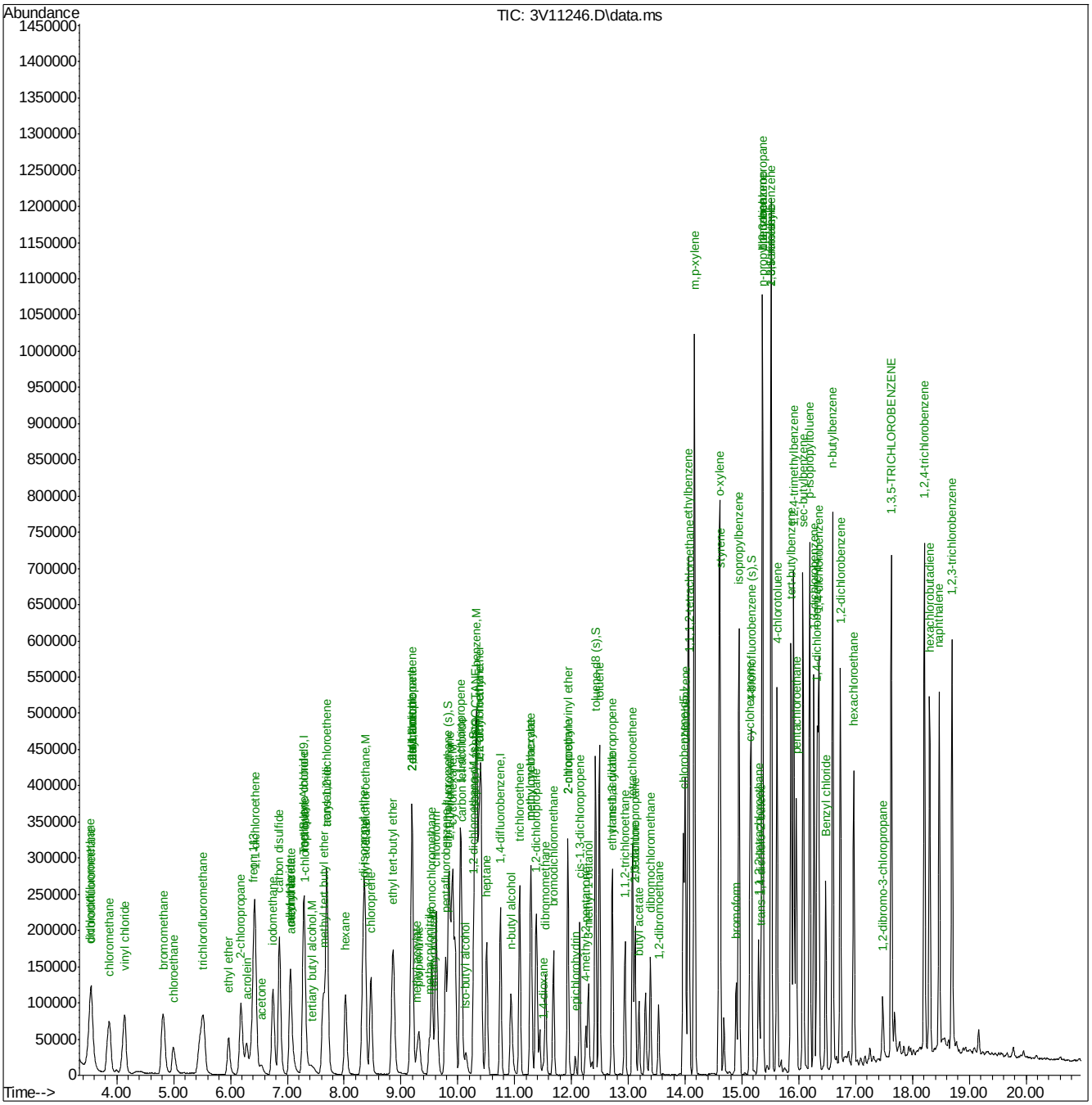
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	451282	57.76	ug/L	99
96) bromobenzene	15.359	156	114899	53.32	ug/L	94
97) cyclohexanone	15.144	55	156285	514.64	ug/L	98
98) 1,1,2,2-tetrachloroethane	15.291	83	98785	48.95	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	20248	44.92	ug/L	95
100) 1,2,3-trichloropropane	15.359	110	20163	46.39	ug/L	95
101) n-propylbenzene	15.364	91	514561	54.61	ug/L	99
102) 2-chlorotoluene	15.516	126	112391	55.48	ug/L	99
103) 4-chlorotoluene	15.616	91	306787	52.54	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	390942	57.71	ug/L	100
105) tert-butylbenzene	15.862	119	319932	57.41	ug/L	99
106) pentachloroethane	15.957	167	80963	55.75	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	390651	54.52	ug/L	99
108) sec-butylbenzene	16.072	105	525133	56.51	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	232093	50.86	ug/L	99
110) p-isopropyltoluene	16.193	119	442889	57.63	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	229998	49.93	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	226741	50.31	ug/L	99
113) n-butylbenzene	16.596	92	237310	54.05	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	19236	42.54	ug/L	99
115) 1,3,5-TRICHLOROBENZENE	17.629	180	231754	51.38	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	209679	49.64	ug/L	98
117) hexachlorobutadiene	18.300	225	111383	50.65	ug/L	100
118) naphthalene	18.468	128	380155	45.16	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	191563	48.51	ug/L	99
120) hexachloroethane	16.969	119	92002	55.40	ug/L	99
121) Benzyl chloride	16.471	91	186361	46.66	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11246.D
Acq On : 28 May 2014 1:41 pm
Operator : thienn
Sample : jb67744-2ms
Misc : MS68115,V3V477,4.1,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 09:10:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128747.D
Acq On : 30 May 2014 4:38 pm
Operator : mariceld
Sample : jb67687-3ms
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 08:32:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.132	65	124381	500.00	ug/L		0.00
4) pentafluorobenzene	9.626	168	156034	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.589	114	235438	50.00	ug/L		0.00
88) chlorobenzene-d5	13.941	117	225513	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.420	152	138283	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.652	113	94118	51.36	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.72%				
53) 1,2-dichloroethane-d4 (s)	10.097	65	106976	50.37	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 100.74%				
80) toluene-d8 (s)	12.320	98	348159	52.79	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.58%				
105) 4-bromofluorobenzene (s)	15.186	95	137427	50.49	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.98%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.257	59	78106	256.24	ug/L		100
3) 1,4-dioxane	11.352	88	25784	1081.40	ug/L		96
9) chlorodifluoromethane	3.512	51	77996	47.23	ug/L		100
10) dichlorodifluoromethane	3.486	85	126558	48.39	ug/L		97
12) chloromethane	3.805	50	152717	44.23	ug/L		98
13) vinyl chloride	4.061	62	152448	50.20	ug/L		98
14) bromomethane	4.715	94	93546	50.47	ug/L		99
15) chloroethane	4.909	64	65068	50.29	ug/L		98
19) trichlorofluoromethane	5.421	101	165725	55.97	ug/L		99
20) ethyl ether	5.861	74	53815	52.73	ug/L		98
22) acrolein	6.138	56	238123	458.27	ug/L		99
23) 1,1-dichloroethene	6.316	96	97209	56.49	ug/L		95
24) acetone	6.389	43	163398	196.97	ug/L		95
25) acetonitrile	6.886	40	105125	423.58	ug/L		94
26) allyl chloride	6.907	76	50474	55.55	ug/L		94
27) iodomethane	6.603	142	188948	55.14	ug/L		100
28) carbon disulfide	6.724	76	354262	54.17	ug/L		99
29) 2-CHLOROPROPANE	6.065	43	193590	53.54	ug/L		99
30) methylene chloride	7.126	84	106924	53.11	ug/L		96
31) methyl acetate	6.912	43	93533	49.23	ug/L		99
32) methyl tert butyl ether	7.498	73	311550	51.95	ug/L		99
33) trans-1,2-dichloroethene	7.545	96	101017	57.58	ug/L		97
34) 1-CHLOROPROPANE	7.152	42	204278	55.74	ug/L		95
35) di-isopropyl ether	8.188	45	334701	49.41	ug/L		84
36) 2-butanone	9.004	72	14601	54.81	ug/L	#	88
37) 1,1-dichloroethane	8.193	63	191792	53.53	ug/L		98
38) chloroprene	8.314	53	131366	49.78	ug/L		97
39) acrylonitrile	7.508	53	232239	255.05	ug/L		99
40) vinyl acetate	8.214	86	16446	51.70	ug/L		69
41) ethyl tert-butyl ether	8.716	59	312778	50.04	ug/L		99
42) ethyl acetate	9.041	45	19361	51.92	ug/L		85
43) 2,2-dichloropropane	9.014	77	161565	57.63	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128747.D
Acq On : 30 May 2014 4:38 pm
Operator : mariceld
Sample : jb67687-3ms
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 08:32:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) cis-1,2-dichloroethene	9.025	96	109735	56.42	ug/L	99
45) propionitrile	9.114	54	195959	522.55	ug/L	98
46) methylacrylate	9.119	55	138040	52.68	ug/L	98
47) bromochloromethane	9.360	128	53834	54.22	ug/L	99
48) tetrahydrofuran	9.407	72	16741	51.45	ug/L	99
49) chloroform	9.438	85	113214	54.64	ug/L	99
50) T-BUTYL FORMATE	9.469	59	85918	45.08	ug/L	98
51) isobutyl alcohol	9.961	43	69928	461.75	ug/L	98
54) freon 113	6.295	151	70386	54.40	ug/L	98
55) methacrylonitrile	9.313	67	48277	53.29	ug/L	96
56) 1,1,1-trichloroethane	9.689	97	156378	56.60	ug/L	98
57) Cyclohexane	9.757	84	161531	56.10	ug/L	96
59) ISO-OCTANE	10.175	57	373258	48.91	ug/L	99
60) epichlorohydrin	11.928	57	68280	244.48	ug/L	99
61) n-butyl alcohol	10.767	56	215075	2268.04	ug/L	99
62) carbon tetrachloride	9.904	117	142639	57.11	ug/L	100
63) 1,1-dichloropropene	9.888	75	140827	57.61	ug/L	99
64) hexane	7.895	57	109928	51.37	ug/L	97
65) benzene	10.160	78	404690	54.43	ug/L	100
66) tert-amyl methyl ether	10.217	73	308209	50.32	ug/L	99
67) heptane	10.374	57	69220	51.26	ug/L	98
68) isopropyl acetate	10.134	43	274516	48.91	ug/L	98
69) 1,2-dichloroethane	10.191	62	136283	55.84	ug/L	99
70) trichloroethene	10.934	95	102213	57.39	ug/L	98
71) 2-nitropropane	11.771	41	36089	40.72	ug/L	96
72) 2-chloroethyl vinyl ether	11.802	63	92140	70.84	ug/L	99
73) methyl methacrylate	11.248	100	28224	54.54	ug/L	94
74) 1,2-dichloropropane	11.211	63	110177	54.74	ug/L	97
75) dibromomethane	11.378	93	66371	54.88	ug/L	97
76) methylcyclohexane	11.148	83	151998	50.49	ug/L	98
77) bromodichloromethane	11.530	83	137790	54.89	ug/L	100
79) cis-1,3-dichloropropene	12.022	75	171869	54.81	ug/L	99
81) 4-methyl-2-pentanone	12.132	58	54051	51.98	ug/L	99
82) toluene	12.398	92	244494	55.20	ug/L	100
83) 3-methyl-1-butanol	12.184	55	147690	950.79	ug/L	99
84) trans-1,3-dichloropropene	12.628	75	158955	52.96	ug/L	99
85) ethyl methacrylate	12.634	69	148564	53.47	ug/L	98
86) 1,1,2-trichloroethane	12.853	83	81188	52.74	ug/L	97
87) 2-hexanone	13.052	58	51732	53.45	ug/L	100
89) tetrachloroethene	13.021	164	92619	56.96	ug/L	97
90) 1,3-dichloropropane	13.047	76	156545	52.05	ug/L	98
91) butyl acetate	13.136	56	80299	47.78	ug/L	91
92) 3,3-DIMETHYL-1-BUTANOL	13.251	57	165475	453.61	ug/L	99
93) dibromochloromethane	13.324	129	112793	50.50	ug/L	99
94) 1,2-dibromoethane	13.476	107	100858	52.37	ug/L	99
95) chlorobenzene	13.973	112	279909	53.47	ug/L	99
96) 1,1,1,2-tetrachloroethane	14.046	131	111832	52.32	ug/L	98
97) ethylbenzene	14.035	91	492195	53.85	ug/L	99
98) m,p-xylene	14.156	106	371285	108.41	ug/L	100
99) o-xylene	14.600	106	187604	52.99	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128747.D
Acq On : 30 May 2014 4:38 pm
Operator : mariceld
Sample : jb67687-3ms
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 08:32:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

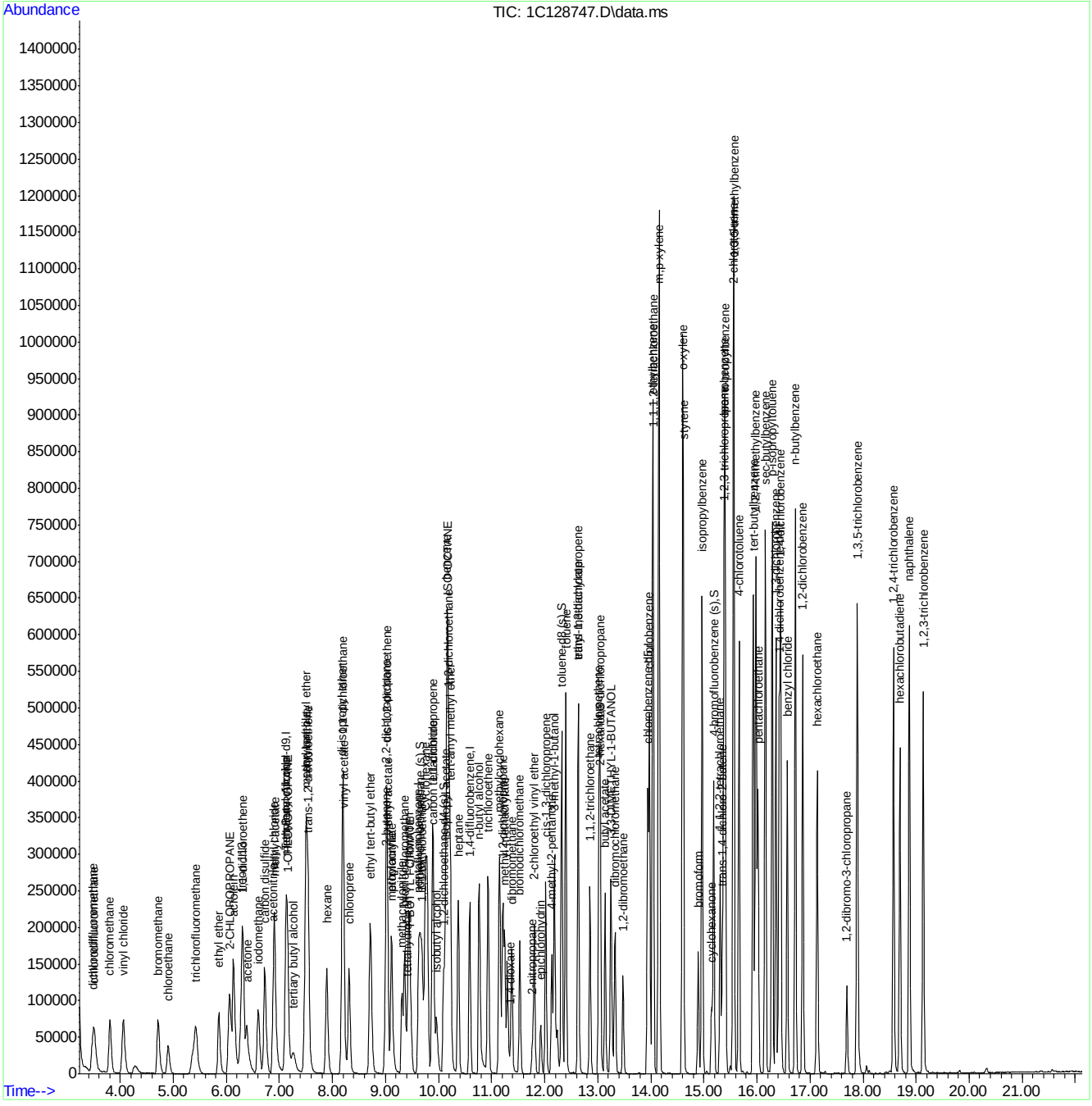
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) styrene	14.616	104	317925	54.90	ug/L	98
102) bromoform	14.893	173	93136	50.66	ug/L	96
104) isopropylbenzene	14.966	105	503936	53.41	ug/L	100
106) cyclohexanone	15.149	55	48193	254.02	ug/L	98
107) bromobenzene	15.385	156	139570	54.83	ug/L	95
108) 1,1,2,2-tetrachloroethane	15.306	83	160749	47.69	ug/L	99
109) trans-1,4-dichloro-2-b...	15.348	53	43486	47.03	ug/L	91
110) 1,2,3-trichloropropane	15.380	110	38497	48.83	ug/L	97
111) n-propylbenzene	15.400	91	591404	53.74	ug/L	99
112) 2-chlorotoluene	15.557	126	127382	54.17	ug/L	98
113) 4-chlorotoluene	15.662	91	366726	53.16	ug/L	99
114) 1,3,5-trimethylbenzene	15.568	105	443027	54.05	ug/L	100
115) tert-butylbenzene	15.934	119	382009	54.71	ug/L	99
116) pentachloroethane	16.023	167	96501	55.32	ug/L	98
117) 1,2,4-trimethylbenzene	15.981	105	438726	53.80	ug/L	99
118) sec-butylbenzene	16.159	105	599028	54.88	ug/L	100
119) 1,3-dichlorobenzene	16.358	146	271227	52.78	ug/L	99
120) p-isopropyltoluene	16.290	119	506303	55.41	ug/L	99
122) 1,4-dichlorobenzene	16.447	146	278654	52.42	ug/L	99
123) benzyl chloride	16.572	91	340265	51.41	ug/L	99
124) 1,2-dichlorobenzene	16.865	146	273297	52.74	ug/L	98
125) n-butylbenzene	16.724	92	263810	55.31	ug/L	99
126) 1,2-dibromo-3-chloropr...	17.691	75	34374	50.38	ug/L	97
127) 1,3,5-trichlorobenzene	17.890	180	252894	57.32	ug/L	100
128) 1,2,4-trichlorobenzene	18.575	180	226889	56.23	ug/L	99
129) hexachlorobutadiene	18.696	225	124558	58.58	ug/L	99
130) naphthalene	18.873	128	549107	51.83	ug/L	100
131) 1,2,3-trichlorobenzene	19.135	180	210433	54.48	ug/L	99
132) hexachloroethane	17.137	201	100560	58.62	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128747.D
Acq On : 30 May 2014 4:38 pm
Operator : mariceld
Sample : jb67687-3ms
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 08:32:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128748.D
Acq On : 30 May 2014 5:06 pm
Operator : mariceld
Sample : jb67687-3msd
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 08:32:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.126	65	120809	500.00	ug/L	0.00
4) pentafluorobenzene	9.621	168	156880	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.584	114	236228	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	223936	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.421	152	137181	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.653	113	94464	51.27	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.54%			
53) 1,2-dichloroethane-d4 (s)	10.092	65	105788	49.54	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 99.08%			
80) toluene-d8 (s)	12.320	98	350062	52.90	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.80%			
105) 4-bromofluorobenzene (s)	15.186	95	136194	50.43	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.86%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.262	59	76912	259.78	ug/L	100
3) 1,4-dioxane	11.347	88	25494	1100.85	ug/L	95
9) chlorodifluoromethane	3.497	51	77071	46.41	ug/L	100
10) dichlorodifluoromethane	3.481	85	118354	45.01	ug/L	97
12) chloromethane	3.795	50	145189	41.82	ug/L	98
13) vinyl chloride	4.046	62	144798	47.42	ug/L	100
14) bromomethane	4.705	94	89397	47.97	ug/L	100
15) chloroethane	4.893	64	61133	47.00	ug/L	97
19) trichlorofluoromethane	5.416	101	156573	52.59	ug/L	98
20) ethyl ether	5.855	74	53523	52.17	ug/L	94
22) acrolein	6.133	56	232466	444.97	ug/L	99
23) 1,1-dichloroethene	6.305	96	88230	50.99	ug/L	98
24) acetone	6.379	43	168339	201.84	ug/L	93
25) acetonitrile	6.886	40	101395	406.35	ug/L	95
26) allyl chloride	6.902	76	46422	50.82	ug/L	99
27) iodomethane	6.598	142	175083	50.82	ug/L	98
28) carbon disulfide	6.718	76	320898	48.80	ug/L	99
29) 2-CHLOROPROPANE	6.054	43	176693	48.60	ug/L	99
30) methylene chloride	7.116	84	101151	49.98	ug/L	97
31) methyl acetate	6.907	43	92626	48.49	ug/L	96
32) methyl tert butyl ether	7.493	73	306178	50.77	ug/L	97
33) trans-1,2-dichloroethene	7.540	96	91713	52.00	ug/L	97
34) 1-CHLOROPROPANE	7.153	42	184595	49.60	ug/L	91
35) di-isopropyl ether	8.188	45	331476	48.67	ug/L	96
36) 2-butanone	9.009	72	14550	54.32	ug/L #	88
37) 1,1-dichloroethane	8.188	63	180591	50.13	ug/L	99
38) chloroprene	8.308	53	129349	48.75	ug/L	98
39) acrylonitrile	7.503	53	232642	254.12	ug/L	100
40) vinyl acetate	8.204	86	16721	52.28	ug/L	96
41) ethyl tert-butyl ether	8.711	59	309652	49.27	ug/L	99
42) ethyl acetate	9.041	45	19047	50.80	ug/L	88
43) 2,2-dichloropropane	9.015	77	146400	51.94	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128748.D
Acq On : 30 May 2014 5:06 pm
Operator : mariceld
Sample : jb67687-3msd
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 08:32:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) cis-1,2-dichloroethene	9.020	96	103116	52.73	ug/L		98
45) propionitrile	9.109	54	195499	518.51	ug/L		96
46) methylacrylate	9.114	55	139302	52.88	ug/L		100
47) bromochloromethane	9.360	128	52608	52.70	ug/L		99
48) tetrahydrofuran	9.412	72	16653	50.90	ug/L		98
49) chloroform	9.438	85	107078	51.40	ug/L		99
50) T-BUTYL FORMATE	9.470	59	85382	44.55	ug/L		98
51) isobutyl alcohol	9.961	43	69252	454.82	ug/L		99
54) freon 113	6.279	151	69251	53.23	ug/L		95
55) methacrylonitrile	9.307	67	47875	52.56	ug/L		96
56) 1,1,1-trichloroethane	9.684	97	142367	51.25	ug/L		98
57) Cyclohexane	9.757	84	146444	50.59	ug/L		100
59) ISO-OCTANE	10.176	57	375936	49.10	ug/L		99
60) epichlorohydrin	11.928	57	67315	240.22	ug/L		100
61) n-butyl alcohol	10.761	56	211950	2227.61	ug/L		100
62) carbon tetrachloride	9.898	117	129753	51.78	ug/L		99
63) 1,1-dichloropropene	9.883	75	128708	52.48	ug/L		98
64) hexane	7.890	57	109169	50.84	ug/L		99
65) benzene	10.160	78	381205	51.10	ug/L		99
66) tert-amyl methyl ether	10.217	73	305079	49.64	ug/L		99
67) heptane	10.369	57	69816	51.53	ug/L		98
68) isopropyl acetate	10.129	43	274907	48.81	ug/L		99
69) 1,2-dichloroethane	10.191	62	132814	54.24	ug/L		98
70) trichloroethene	10.934	95	93686	52.43	ug/L		97
71) 2-nitropropane	11.771	41	35319	39.72	ug/L		100
72) 2-chloroethyl vinyl ether	11.802	63	89739	68.76	ug/L		99
73) methyl methacrylate	11.248	100	28228	54.37	ug/L	#	88
74) 1,2-dichloropropane	11.211	63	107145	53.06	ug/L		96
75) dibromomethane	11.379	93	65347	53.85	ug/L		97
76) methylcyclohexane	11.148	83	151588	50.18	ug/L		99
77) bromodichloromethane	11.530	83	133833	53.14	ug/L		99
79) cis-1,3-dichloropropene	12.022	75	167702	53.30	ug/L		100
81) 4-methyl-2-pentanone	12.132	58	53995	51.75	ug/L		99
82) toluene	12.399	92	230723	51.91	ug/L		99
83) 3-methyl-1-butanol	12.184	55	146656	940.97	ug/L		99
84) trans-1,3-dichloropropene	12.629	75	156311	51.91	ug/L		98
85) ethyl methacrylate	12.634	69	147035	52.74	ug/L		99
86) 1,1,2-trichloroethane	12.854	83	81237	52.59	ug/L		99
87) 2-hexanone	13.052	58	51888	53.43	ug/L		98
89) tetrachloroethene	13.021	164	84316	52.22	ug/L		98
90) 1,3-dichloropropane	13.042	76	155104	51.94	ug/L		98
91) butyl acetate	13.136	56	80083	47.98	ug/L		95
92) 3,3-DIMETHYL-1-BUTANOL	13.246	57	166340	459.20	ug/L		99
93) dibromochloromethane	13.324	129	112641	50.78	ug/L		99
94) 1,2-dibromoethane	13.476	107	100738	52.67	ug/L		99
95) chlorobenzene	13.973	112	266275	51.22	ug/L		99
96) 1,1,1,2-tetrachloroethane	14.046	131	106540	50.19	ug/L		97
97) ethylbenzene	14.036	91	455623	50.20	ug/L		100
98) m,p-xylene	14.156	106	346084	101.76	ug/L		100
99) o-xylene	14.600	106	176892	50.31	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128748.D
Acq On : 30 May 2014 5:06 pm
Operator : mariceld
Sample : jb67687-3msd
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 08:32:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

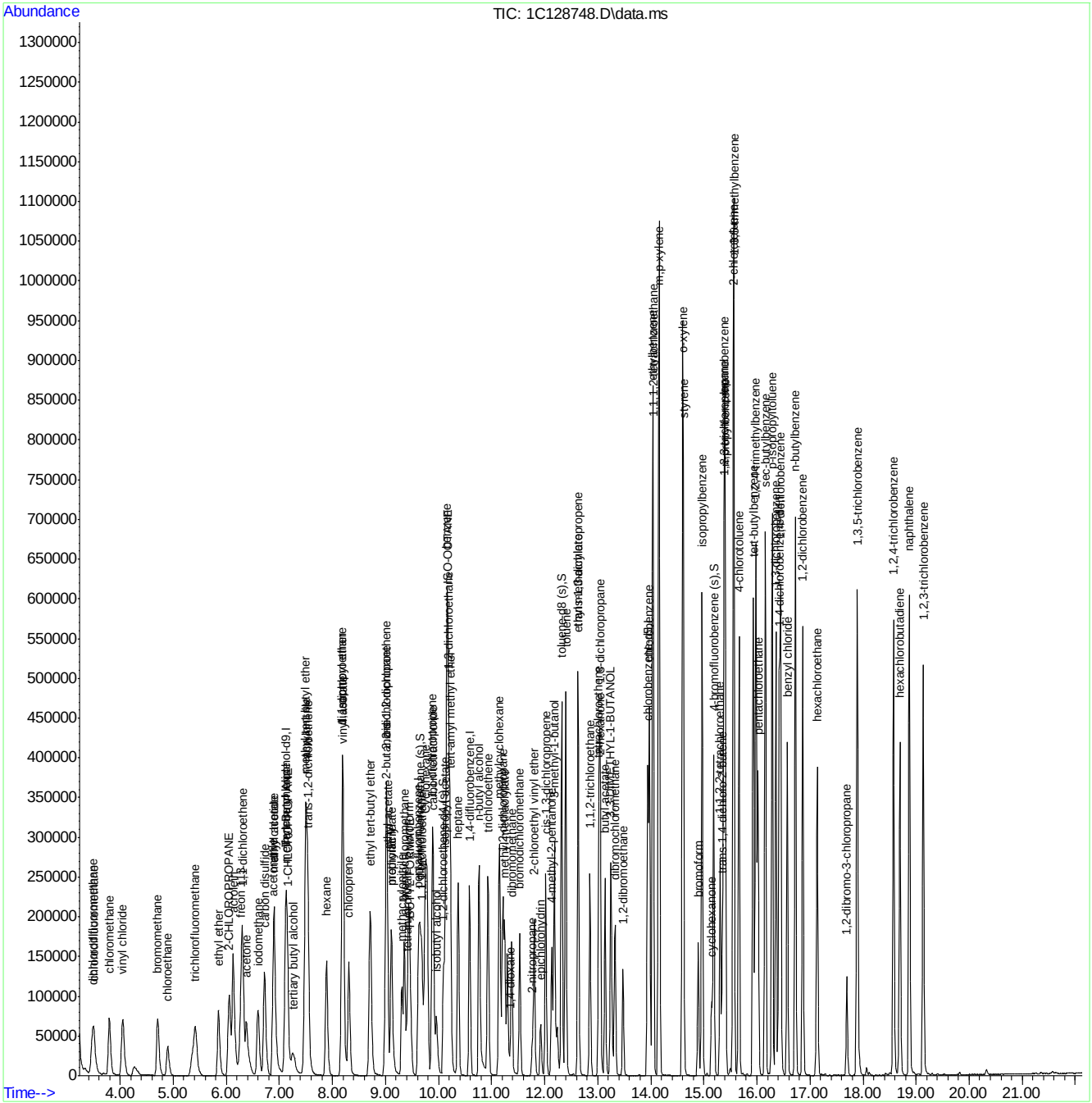
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) styrene	14.616	104	305440	53.12	ug/L	97
102) bromoform	14.893	173	92335	50.58	ug/L	97
104) isopropylbenzene	14.967	105	467346	49.93	ug/L	100
106) cyclohexanone	15.150	55	48652	258.50	ug/L	99
107) bromobenzene	15.385	156	134874	53.41	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.307	83	160311	47.94	ug/L	98
109) trans-1,4-dichloro-2-b...	15.348	53	43691	47.63	ug/L	87
110) 1,2,3-trichloropropane	15.380	110	37909	48.47	ug/L	98
111) n-propylbenzene	15.406	91	545963	50.01	ug/L	99
112) 2-chlorotoluene	15.558	126	119453	51.21	ug/L	97
113) 4-chlorotoluene	15.662	91	346503	50.63	ug/L	99
114) 1,3,5-trimethylbenzene	15.568	105	410940	50.54	ug/L	100
115) tert-butylbenzene	15.934	119	351261	50.71	ug/L	99
116) pentachloroethane	16.023	167	92765	53.60	ug/L	99
117) 1,2,4-trimethylbenzene	15.981	105	412837	51.03	ug/L	99
118) sec-butylbenzene	16.159	105	552796	51.05	ug/L	99
119) 1,3-dichlorobenzene	16.358	146	261383	51.27	ug/L	99
120) p-isopropyltoluene	16.290	119	471872	52.06	ug/L	99
122) 1,4-dichlorobenzene	16.447	146	267538	50.73	ug/L	99
123) benzyl chloride	16.572	91	340399	51.84	ug/L	99
124) 1,2-dichlorobenzene	16.865	146	265923	51.73	ug/L	98
125) n-butylbenzene	16.724	92	246101	52.01	ug/L	99
126) 1,2-dibromo-3-chloropr...	17.692	75	34862	51.51	ug/L	99
127) 1,3,5-trichlorobenzene	17.890	180	242347	55.37	ug/L	99
128) 1,2,4-trichlorobenzene	18.575	180	222511	55.59	ug/L	100
129) hexachlorobutadiene	18.696	225	118928	56.39	ug/L	99
130) naphthalene	18.874	128	552029	52.52	ug/L	100
131) 1,2,3-trichlorobenzene	19.135	180	207774	54.22	ug/L	98
132) hexachloroethane	17.137	201	93810	55.12	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128748.D
Acq On : 30 May 2014 5:06 pm
Operator : mariceld
Sample : jb67687-3msd
Misc : MS68111,V1C5741,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 08:32:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11248.D
Acq On : 28 May 2014 2:34 pm
Operator : thienn
Sample : jb67744-3dup
Misc : MS68115,V3V477,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:11:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

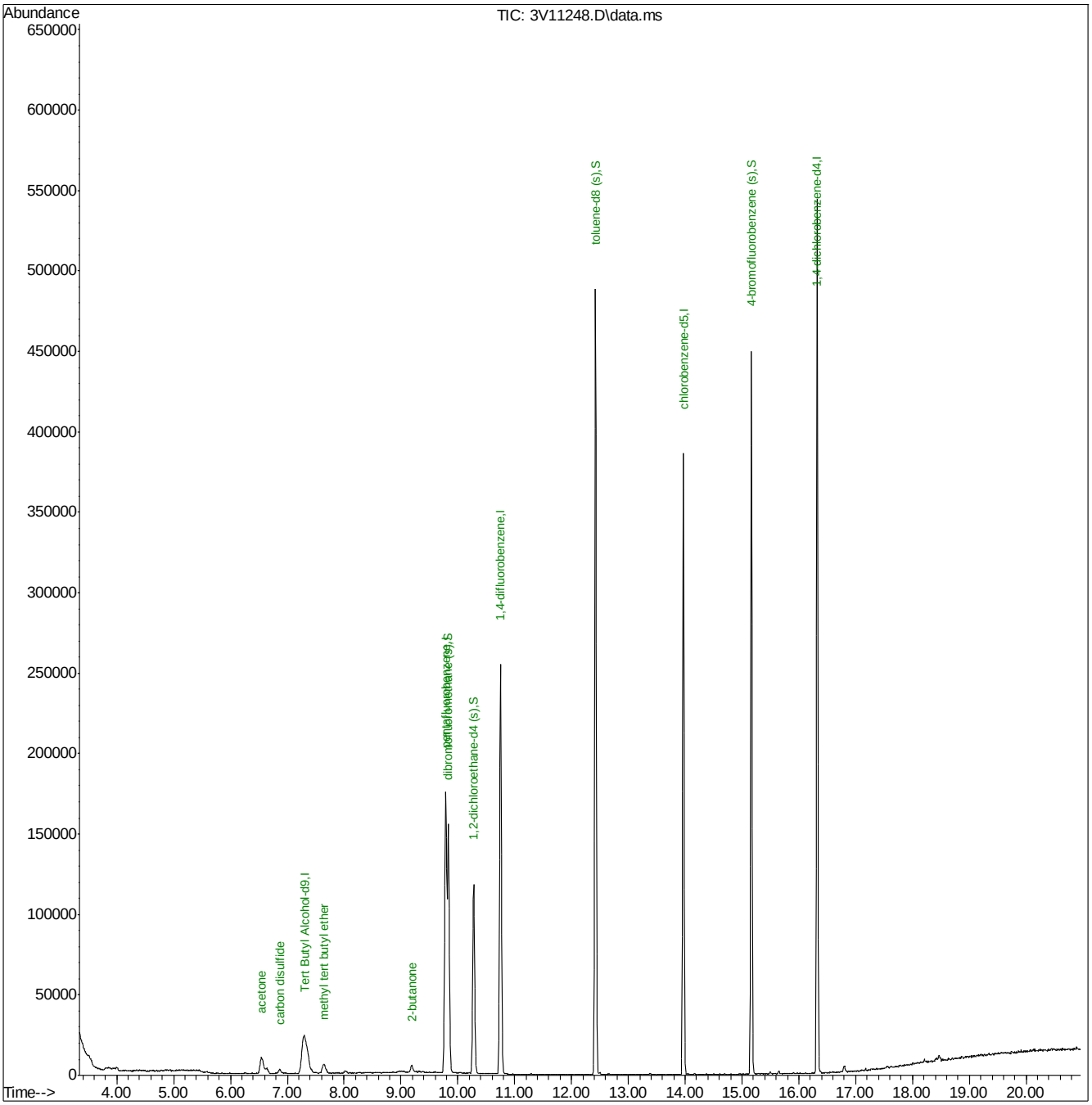
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	86164	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.786	168	168567	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	251643	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	229556	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	142849	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	116994	54.85	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 109.70%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	100152	53.63	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 107.26%			
71) toluene-d8 (s)	12.423	98	357190	57.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 114.62%			
95) 4-bromofluorobenzene (s)	15.165	95	146155	58.35	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.70%			
Target Compounds						Qvalue
17) acetone	6.545	43	29931	50.17	ug/L	99
22) carbon disulfide	6.865	76	5899	0.70	ug/L	91
26) methyl tert butyl ether	7.641	73	13105	2.39	ug/L	95
30) 2-butanone	9.188	72	1947	10.36	ug/L #	1

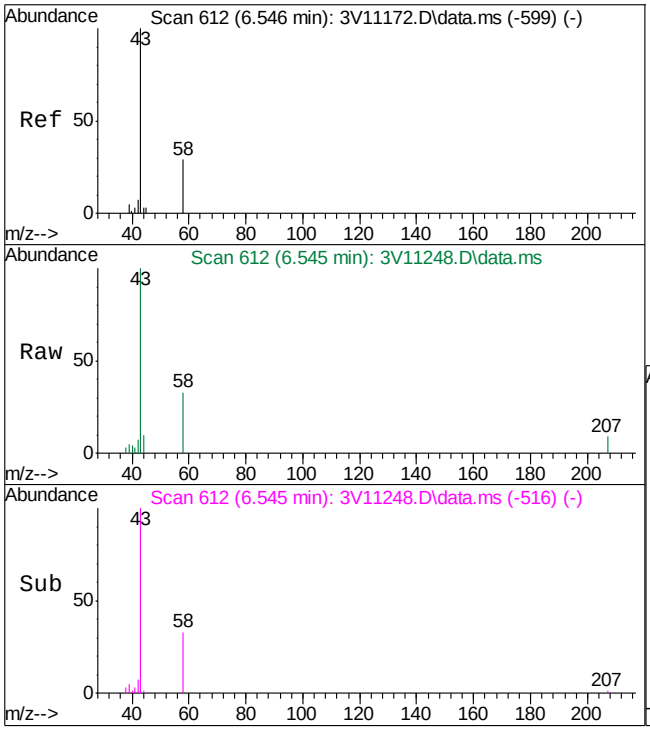
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11248.D
Acq On : 28 May 2014 2:34 pm
Operator : thienn
Sample : jb67744-3dup
Misc : MS68115,V3V477,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 09:11:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

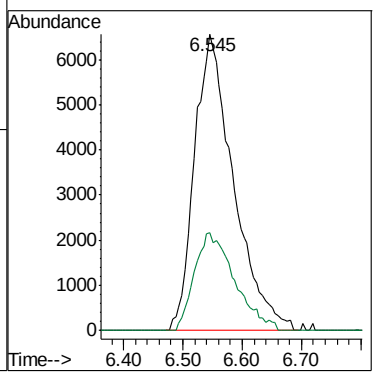


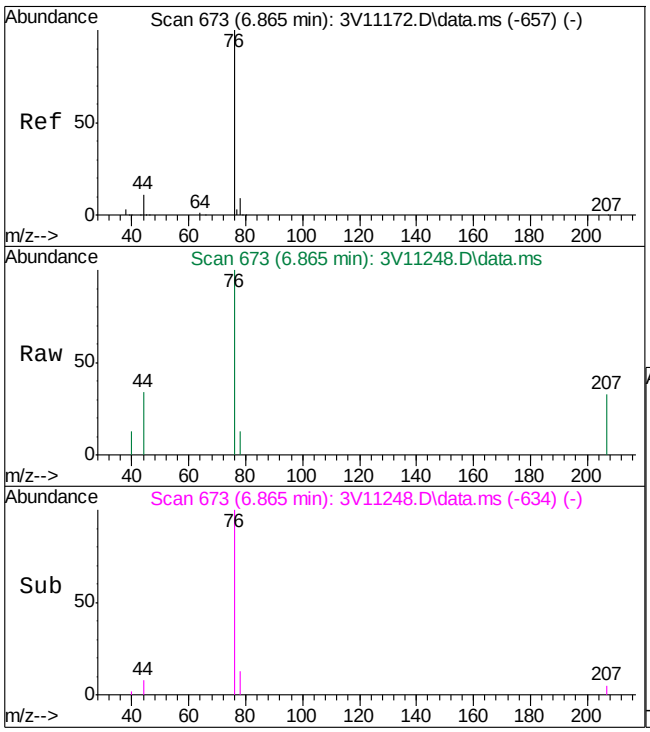


#17
acetone
Concen: 50.17 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11248.D
Acq: 28 May 2014 2:34 pm

Tgt Ion: 43 Resp: 29931

Ion	Ratio	Lower	Upper
43	100		
58	33.1	3.8	63.8

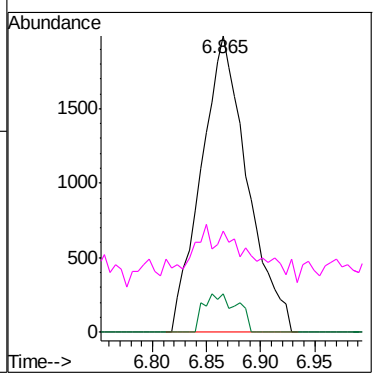


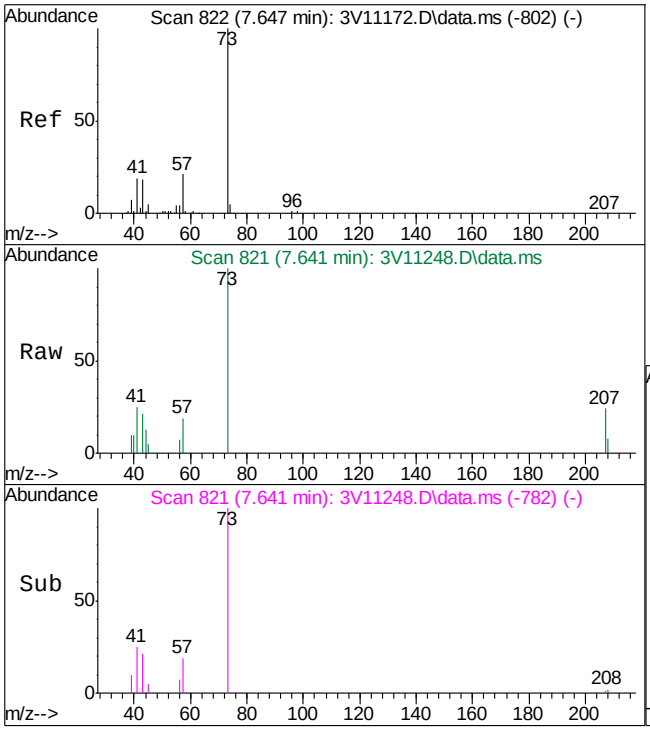


#22
carbon disulfide
Concen: 0.70 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11248.D
Acq: 28 May 2014 2:34 pm

Tgt Ion: 76 Resp: 5899

Ion	Ratio	Lower	Upper
76	100		
78	12.8	0.0	39.0
44	13.3	0.0	40.7

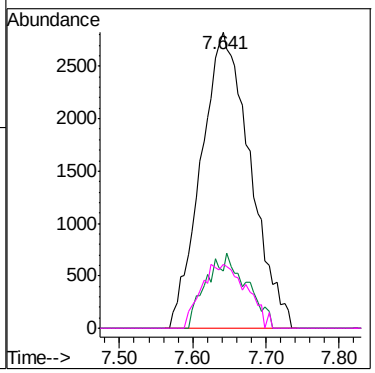


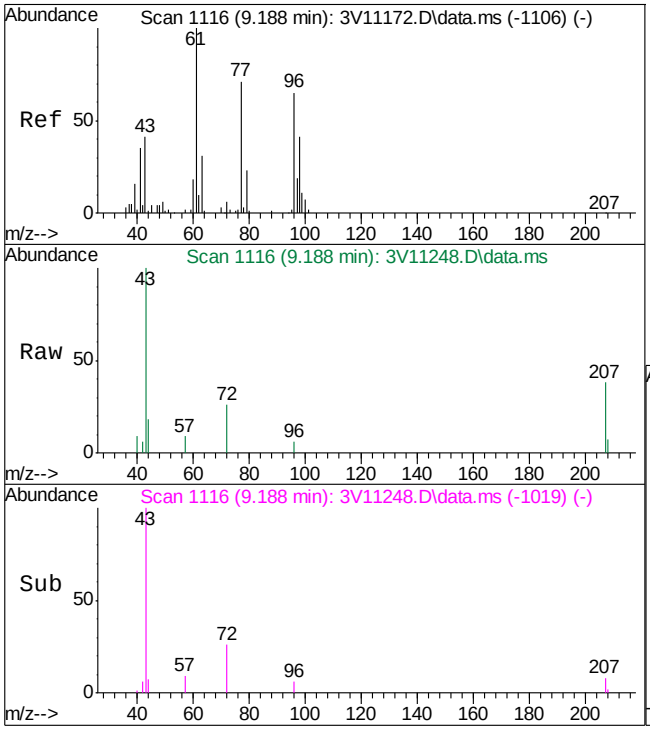


#26
methyl tert butyl ether
Concen: 2.39 ug/L
RT: 7.641 min Scan# 821
Delta R.T. 0.005 min
Lab File: 3V11248.D
Acq: 28 May 2014 2:34 pm

Tgt Ion: 73 Resp: 13105

Ion	Ratio	Lower	Upper
73	100		
57	19.4	0.0	51.6
43	21.5	0.0	48.7

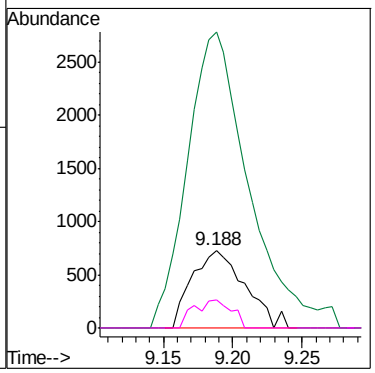




#30
2-butanone
Concen: 10.36 ug/L
RT: 9.188 min Scan# 1116
Delta R.T. 0.010 min
Lab File: 3V11248.D
Acq: 28 May 2014 2:34 pm

Tgt Ion: 72 Resp: 1947

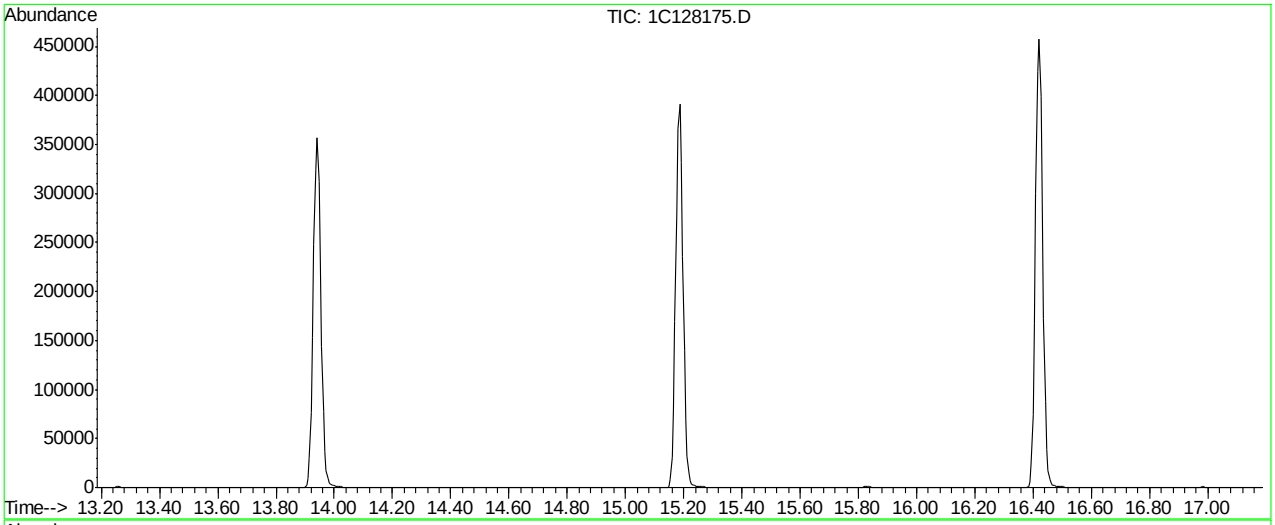
Ion	Ratio	Lower	Upper
72	100		
43	442.3	704.9	1309.1#
57	26.1	17.5	32.5

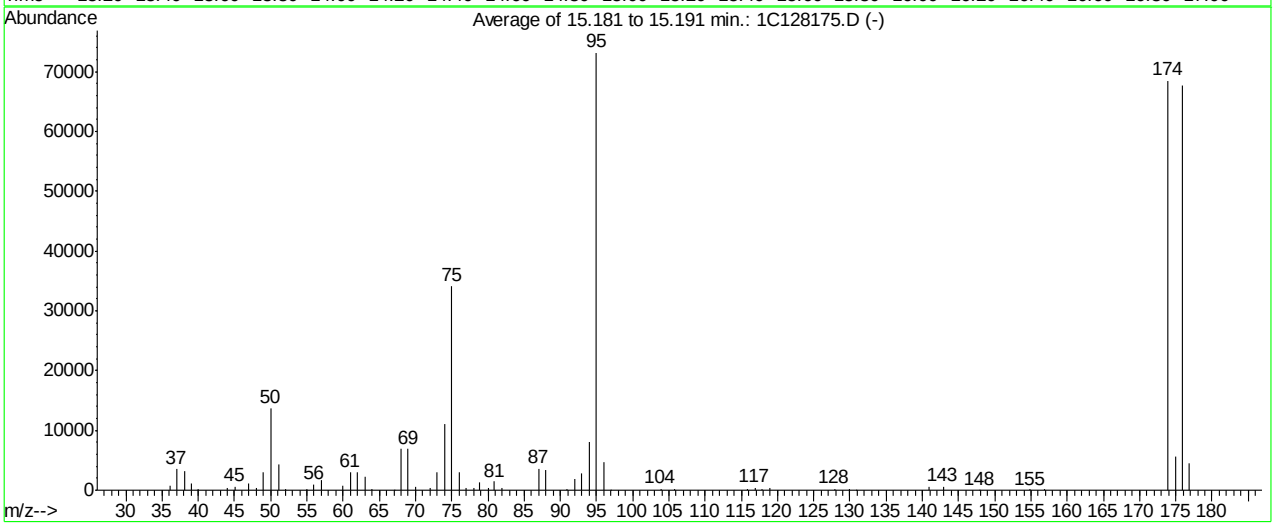


SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\1C128175.D Vial: 3
Acq On : 12 May 2014 11:52 am Operator: mariceld
Sample : bfb Inst : MS1C
Misc : MS66796,V1C5716,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C5716.M (RTE Integrator)
Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM





AutoFind: Scans 2285, 2286, 2287; Background Corrected with Scan 2276

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	13718	PASS
75	95	30	60	46.7	34213	PASS
95	95	100	100	100.0	73218	PASS
96	95	5	9	6.3	4643	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.5	68458	PASS
175	174	5	9	8.1	5576	PASS
176	174	95	101	98.9	67693	PASS
177	176	5	9	6.7	4516	PASS

1C128175.D M1C5716.M Tue May 13 13:03:30 2014 RPT1

Average of 15.181 to 15.191 min.: 1C128175.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	683	51.05	4329	68.00	6868	80.00	457
37.00	3512	52.00	200	69.00	6905	80.90	1503
38.10	3105	54.95	185	70.00	487	81.90	311
39.05	1162	56.00	960	72.00	353	87.00	3663
40.05	156	57.00	1741	73.00	2951	87.95	3393
44.00	291	60.00	679	74.00	11161	90.90	197
45.05	636	61.00	3047	75.00	34213	92.00	1852
47.00	1190	62.00	3033	76.00	2969	93.00	2773
48.00	429	63.00	2274	77.00	441	94.00	8005
49.00	3022	64.00	200	78.00	349	95.00	73218
50.00	13718	67.10	71	78.90	1412	96.00	4643

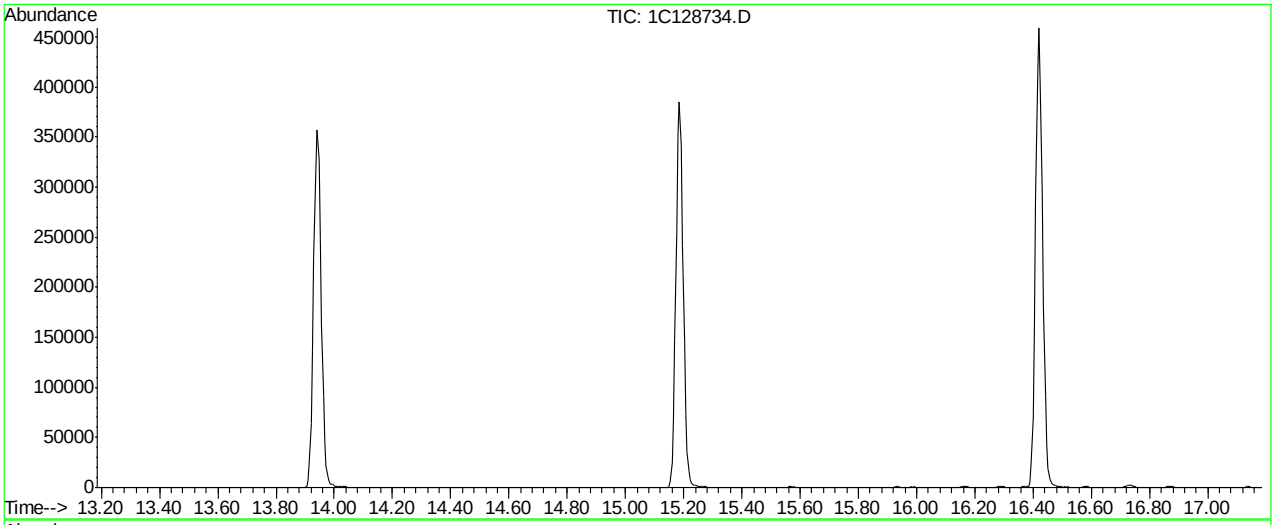
Average of 15.181 to 15.191 min.: 1C128175.D
bfb
Modified:subtracted

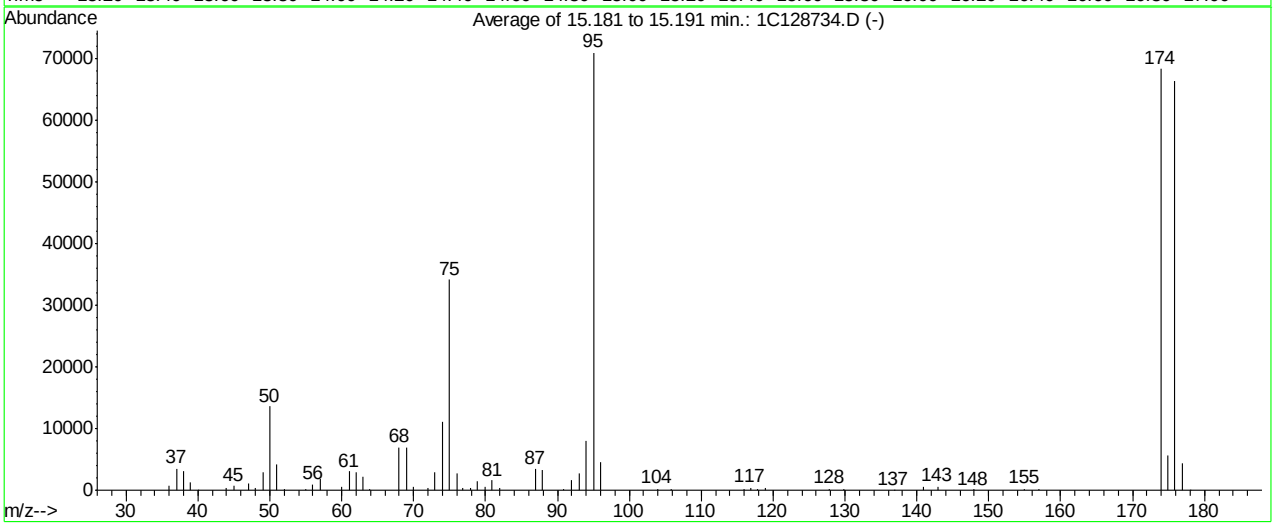
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	56	142.90	643				
103.90	262	147.90	60				
105.85	244	154.90	181				
115.90	247	156.90	105				
116.90	411	173.90	68458				
117.90	212	175.00	5576				
118.90	306	175.90	67693				
127.85	228	176.90	4516				
129.90	227						
130.90	52						
140.90	625						

SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\1C128734.D Vial: 1
Acq On : 30 May 2014 10:13 am Operator: mariceld
Sample : bfb Inst : MS1C
Misc : MS68046,V1C5741,5,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M1C5716.M (RTE Integrator)
Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM





AutoFind: Scans 2285, 2286, 2287; Background Corrected with Scan 2276

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	13597	PASS
75	95	30	60	48.1	34200	PASS
95	95	100	100	100.0	71050	PASS
96	95	5	9	6.5	4608	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.3	68408	PASS
175	174	5	9	8.1	5558	PASS
176	174	95	101	97.2	66504	PASS
177	176	5	9	6.6	4420	PASS

1C128734.D M1C5716.M Mon Jun 02 17:23:17 2014 RPT1

Average of 15.181 to 15.191 min.: 1C128734.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	700	51.00	4188	69.00	6935	80.90	1629
37.00	3517	52.05	167	70.00	519	81.90	348
38.05	3057	55.00	132	71.95	381	86.95	3380
39.00	1211	56.00	948	73.00	2989	87.90	3243
40.00	52	57.00	1821	74.00	11091	90.90	222
44.00	348	60.00	596	75.00	34200	92.00	1722
45.00	677	61.00	3080	76.00	2793	93.00	2709
47.00	1118	62.00	2999	76.90	434	94.00	8057
48.05	427	63.00	2225	77.95	338	95.00	71050
49.00	2883	63.95	156	78.90	1501	96.00	4608
50.00	13597	68.00	6983	79.95	476	103.95	276

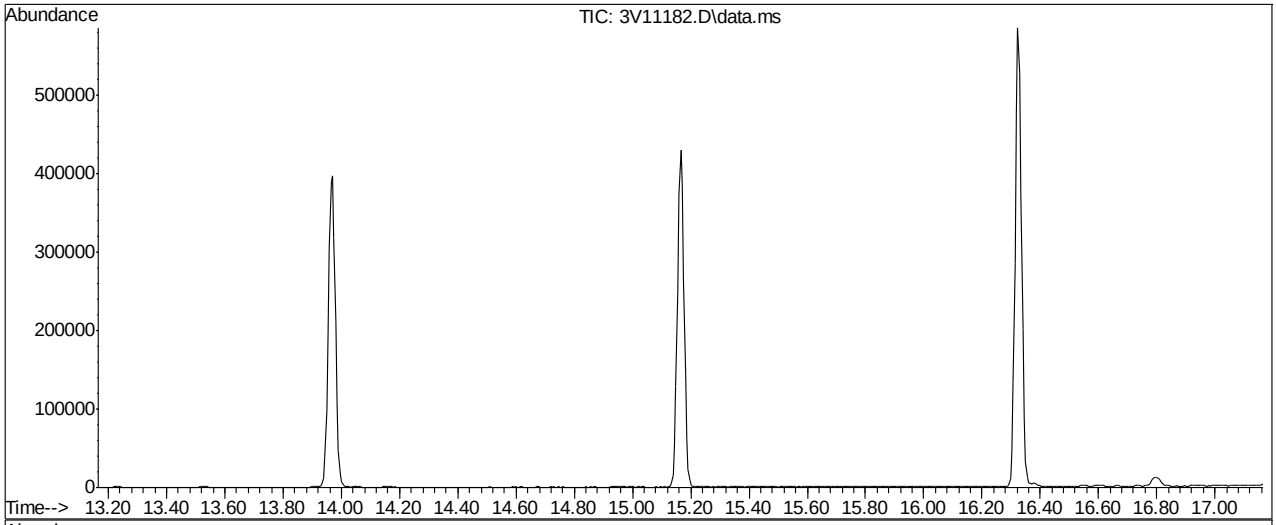
Average of 15.181 to 15.191 min.: 1C128734.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.90	235	154.95	203				
115.90	244	156.90	108				
116.90	437	173.90	68408				
117.90	216	174.95	5558				
118.90	322	175.90	66504				
127.85	230	176.90	4420				
129.85	217	178.00	60				
136.80	54						
140.90	639						
142.90	641						
147.90	176						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11182.D Vial: 1
Acq On : 22 May 2014 9:42 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS65178,V3V474,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3V474.M (RTE Integrator)
Title : SW-846 Method 8260



AutoFind: Scans 2255, 2256, 2257; Background Corrected with Scan 2246

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	12725	PASS
75	95	30	60	43.3	36133	PASS
95	95	100	100	100.0	83405	PASS
96	95	5	9	6.8	5637	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.2	76061	PASS
175	174	5	9	7.7	5852	PASS
176	174	95	101	97.0	73779	PASS
177	176	5	9	6.5	4785	PASS

3V11182.D M3V474.M Thu May 22 16:53:14 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11182.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	516	51.00	3886	68.00	7481	79.95	663
37.05	2843	52.00	178	69.00	7516	80.95	2182
38.00	2601	54.95	188	70.00	613	81.90	522
39.05	1027	56.00	917	72.00	401	87.00	4173
39.95	42	57.00	1862	73.00	3171	88.00	4181
44.00	236	60.00	672	74.00	11715	91.00	308
45.00	559	61.00	3063	75.00	36133	92.00	2097
47.00	927	62.00	2980	76.00	2997	93.00	3154
47.95	413	63.00	2344	76.95	520	94.00	8832
49.00	2768	64.00	209	77.95	415	95.00	83405
50.00	12725	67.00	217	78.90	2087	96.00	5637

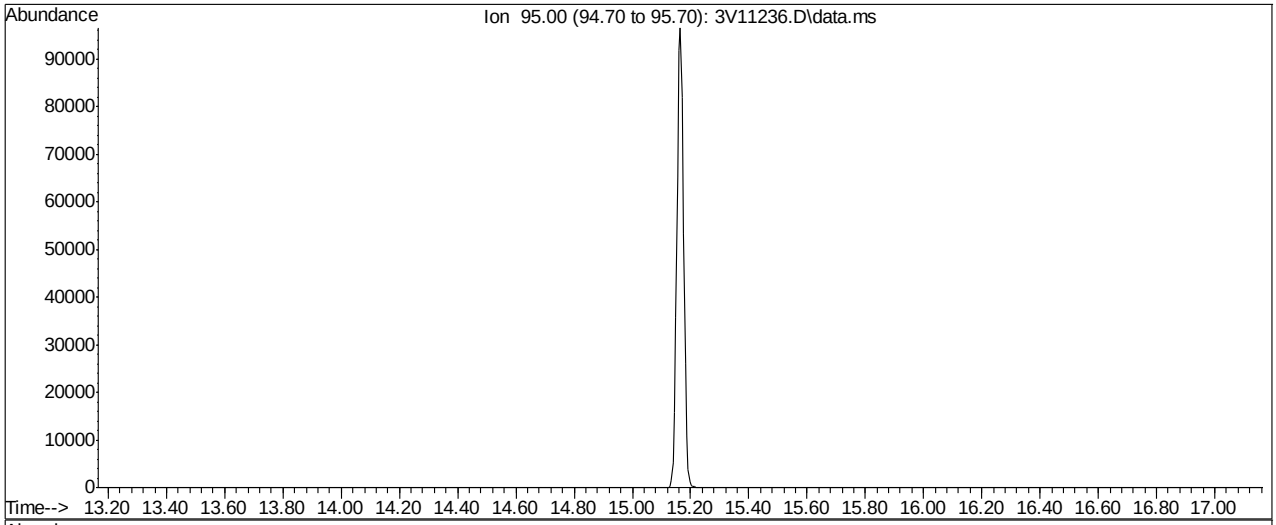
Average of 15.160 to 15.170 min.: 3V11182.D\data.ms
bfb
Modified:subtracted

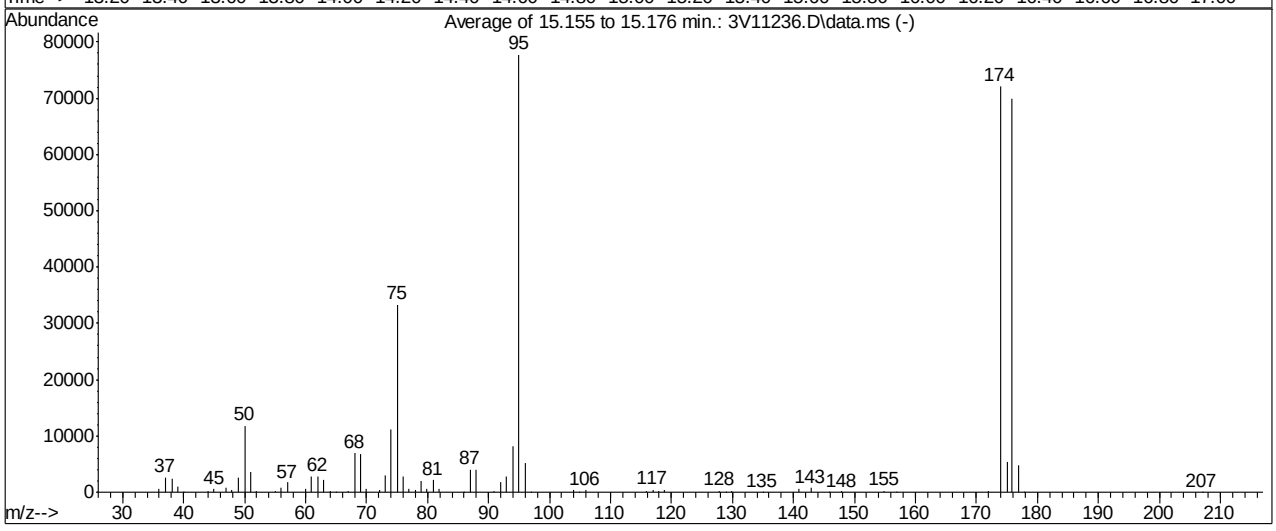
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	57	136.90	69	176.90	4785		
103.90	387	140.90	703	207.05	168		
104.90	53	142.90	731				
105.90	324	145.90	106				
115.90	264	147.90	141				
116.90	503	154.80	54				
117.85	251	154.95	128				
118.90	408	171.95	246				
127.90	255	173.90	76061				
129.90	299	175.00	5852				
134.80	57	175.90	73779				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11236.D Vial: 1
Acq On : 28 May 2014 8:10 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS65178,V3V477,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3V474.M (RTE Integrator)
Title : SW-846 Method 8260





Spectrum Information: Average of 15.155 to 15.176 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	11788	PASS
75	95	30	60	42.8	33296	PASS
95	95	100	100	100.0	77778	PASS
96	95	5	9	6.7	5185	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	92.7	72126	PASS
175	174	5	9	7.6	5478	PASS
176	174	95	101	96.8	69840	PASS
177	176	5	9	6.7	4691	PASS

3V11236.D M3V474.M Thu May 29 09:04:55 2014 GCMS3V

Average of 15.155 to 15.176 min.: 3V11236.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	538	51.00	3671	66.95	204	78.90	2007
37.00	2604	51.95	169	68.00	6908	79.90	650
38.05	2352	55.05	167	69.00	6863	80.90	2104
39.00	1020	56.00	882	70.00	543	81.90	552
40.00	58	57.00	1762	72.05	342	85.90	32
44.00	295	60.00	635	73.00	2951	87.00	4012
45.00	558	61.00	2807	74.00	11094	88.00	3969
47.00	887	62.00	2864	75.00	33296	90.90	282
47.95	367	63.00	2237	76.05	2825	92.00	1869
49.00	2512	64.05	207	76.95	512	93.00	2885
50.00	11788	64.90	66	77.95	386	94.00	8141

Average of 15.155 to 15.176 min.: 3V11236.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	77778	128.90	103	175.00	5478		
96.00	5185	129.90	268	175.90	69840		
97.00	74	134.95	79	176.90	4691		
103.90	317	140.90	627	177.90	40		
104.90	36	142.90	719	207.00	31		
105.90	326	145.90	32				
115.95	240	147.90	121				
116.90	420	154.90	201				
117.85	266	156.90	103				
118.90	335	171.95	219				
127.90	269	173.90	72126				

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 1C128176.D
Acq On : 12 May 2014 12:25 pm
Operator : mariceld
Sample : ic5716-0.2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 12:43:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:30 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.12	65	139208	500.00	ug/L		0.00
4) pentafluorobenzene	9.63	168	157969	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.58	114	243192	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	217106	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	132993	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
53) 1,2-dichloroethane-d4 (s)	0.00	65	0	0.00	ug/L		
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#			
80) toluene-d8 (s)	0.00	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#			
105) 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	3.78	50	757	0.22	ug/L	#	50
13) vinyl chloride	4.02	62	530	0.17	ug/L	#	51
30) methylene chloride	7.13	84	443	0.22	ug/L	#	75
32) methyl tert butyl ether	7.51	73	1234	0.21	ug/L		51
35) di-isopropyl ether	8.20	45	1175	0.17	ug/L	#	59
41) ethyl tert-butyl ether	8.72	59	1162	0.19	ug/L	#	41
49) chloroform	9.45	85	336	0.16	ug/L	#	66
65) benzene	10.17	78	1636	0.22	ug/L		92
66) tert-amyl methyl ether	10.22	73	1181	0.19	ug/L		53
77) bromodichloromethane	11.54	83	478	0.18	ug/L		92
79) cis-1,3-dichloropropene	12.03	75	637	0.19	ug/L	#	34
82) toluene	12.40	92	960	0.21	ug/L		95
90) 1,3-dichloropropane	13.05	76	525	0.18	ug/L	#	77
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	771	2.27	ug/L		85
95) chlorobenzene	13.98	112	1015	0.21	ug/L		97
97) ethylbenzene	14.05	91	1926	0.23	ug/L		87
98) m,p-xylene	14.16	106	1372	0.43	ug/L		96
99) o-xylene	14.61	106	681	0.20	ug/L		88
100) styrene	14.63	104	1100	0.20	ug/L		82
104) isopropylbenzene	14.97	105	1998	0.23	ug/L		96
107) bromobenzene	15.39	156	477	0.20	ug/L	#	74
108) 1,1,2,2-tetrachloroethane	15.31	83	679	0.23	ug/L		93
111) n-propylbenzene	15.41	91	2295	0.23	ug/L		82
113) 4-chlorotoluene	15.67	91	1348	0.21	ug/L		89
114) 1,3,5-trimethylbenzene	15.57	105	1685	0.22	ug/L		89
115) tert-butylbenzene	15.93	119	1307	0.20	ug/L		81
117) 1,2,4-trimethylbenzene	15.98	105	1733	0.23	ug/L		88
118) sec-butylbenzene	16.16	105	2253	0.22	ug/L		97
119) 1,3-dichlorobenzene	16.36	146	1074	0.23	ug/L		96
120) p-isopropyltoluene	16.29	119	1807	0.21	ug/L		95
122) 1,4-dichlorobenzene	16.45	146	1302	0.27	ug/L		71
123) benzyl chloride	16.58	91	1428	0.25	ug/L	#	55
124) 1,2-dichlorobenzene	16.87	146	1041	0.22	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 1C128176.D
Acq On : 12 May 2014 12:25 pm
Operator : mariceld
Sample : ic5716-0.2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 12:43:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:30 2014
Response via : Initial Calibration

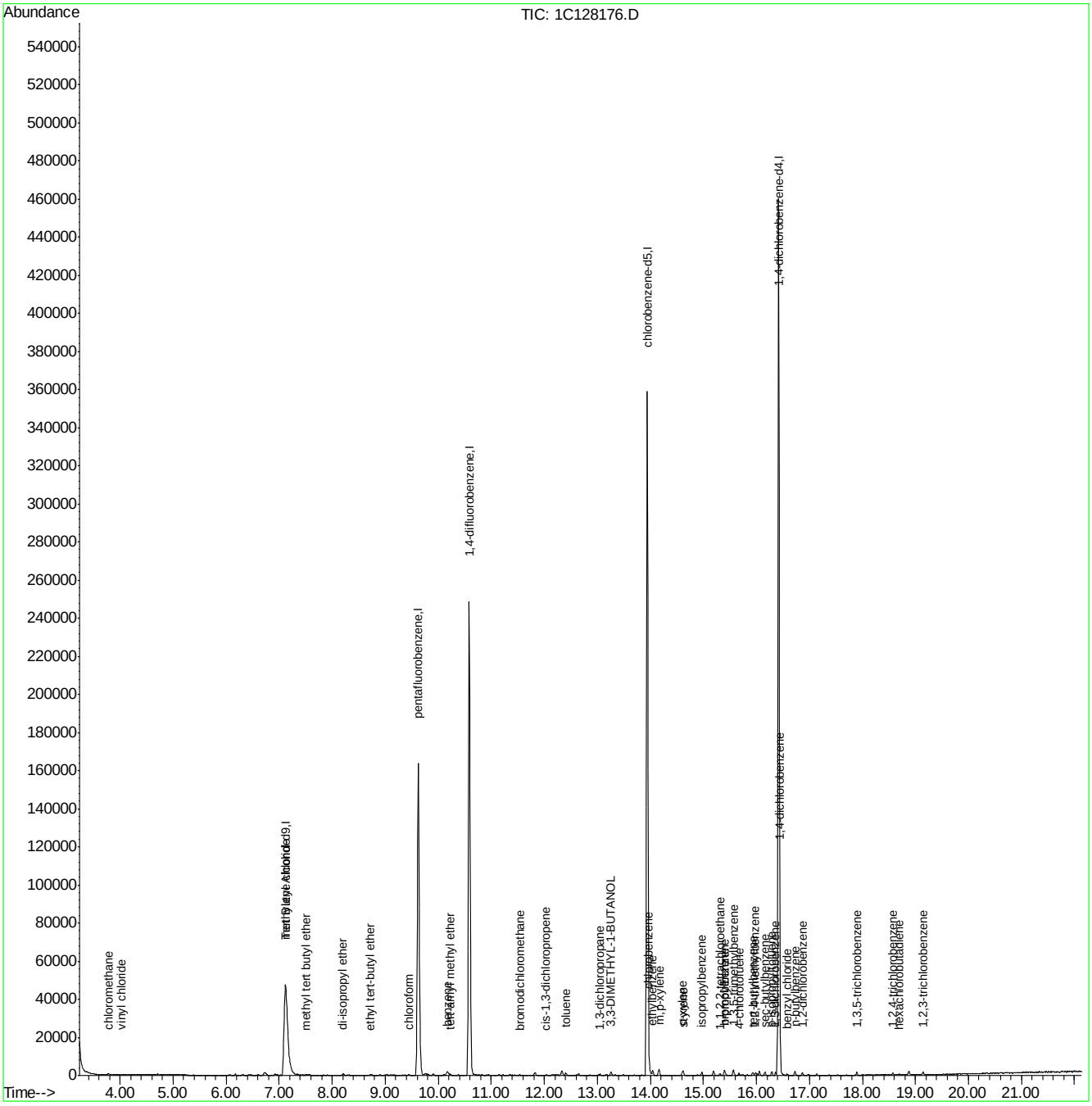
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
125) n-butylbenzene	16.73	92	960	0.22	ug/L		90
127) 1,3,5-trichlorobenzene	17.89	180	869	0.21	ug/L	#	93
128) 1,2,4-trichlorobenzene	18.58	180	816	0.22	ug/L		85
129) hexachlorobutadiene	18.70	225	372	0.19	ug/L	#	53
131) 1,2,3-trichlorobenzene	19.14	180	818	0.24	ug/L		72

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : 1C128176.D
Acq On : 12 May 2014 12:25 pm
Operator : mariceld
Sample : ic5716-0.2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 12:43:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128177.D
Acq On : 12 May 2014 12:54 pm
Operator : mariceld
Sample : ic5716-0.5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 12:50:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:48 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.12	65	135272	500.00	ug/L		-0.01
4) pentafluorobenzene	9.63	168	152141	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.58	114	232543	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	208044	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	125000	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.66	113	882	0.41	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 0.82%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	1054	0.54	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 1.08%#				
80) toluene-d8 (s)	0.00	98	0d	0.00	ug/L		
Spiked Amount 50.000	Range 78 - 119		Recovery = 0.00%#				
105) 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	3.78	50	1577	0.46	ug/L		92
13) vinyl chloride	4.02	62	1261	0.45	ug/L	#	51
23) 1,1-dichloroethene	6.31	96	691	0.41	ug/L	#	61
24) acetone	6.44	43	407	0.53	ug/L	#	55
27) iodomethane	6.60	142	1375	0.46	ug/L		88
29) 2-CHLOROPROPANE	6.05	43	1492	0.53	ug/L	#	56
30) methylene chloride	7.13	84	834	0.41	ug/L	#	74
32) methyl tert butyl ether	7.51	73	2584	0.44	ug/L		94
33) trans-1,2-dichloroethene	7.56	96	614	0.55	ug/L		89
35) di-isopropyl ether	8.21	45	2855	0.47	ug/L	#	59
37) 1,1-dichloroethane	8.19	63	1506	0.43	ug/L		91
41) ethyl tert-butyl ether	8.73	59	2676	0.46	ug/L		91
43) 2,2-dichloropropane	9.01	77	1260	0.53	ug/L		78
44) cis-1,2-dichloroethene	9.04	96	770	0.57	ug/L	#	78
45) propionitrile	9.15	54	1470	6.91	ug/L	#	28
49) chloroform	9.44	85	949	0.53	ug/L	#	70
51) isobutyl alcohol	10.00	43	613	1.37	ug/L	#	20
56) 1,1,1-trichloroethane	9.68	97	1106	0.47	ug/L	#	32
57) Cyclohexane	9.76	84	1271	0.56	ug/L		84
62) carbon tetrachloride	9.91	117	1048	0.51	ug/L		72
63) 1,1-dichloropropene	9.89	75	970	0.50	ug/L	#	62
65) benzene	10.17	78	3443	0.46	ug/L		94
66) tert-amyl methyl ether	10.23	73	2630	0.45	ug/L		92
68) isopropyl acetate	10.16	43	2361	0.47	ug/L		62
69) 1,2-dichloroethane	10.21	62	964	0.52	ug/L	#	48
70) trichloroethene	10.94	95	701	0.48	ug/L		84
72) 2-chloroethyl vinyl ether	11.82	63	2556	2.22	ug/L		97
74) 1,2-dichloropropane	11.22	63	840	0.52	ug/L	#	47
75) dibromomethane	11.38	93	458	0.38	ug/L		79
77) bromodichloromethane	11.54	83	1135	0.48	ug/L		94
79) cis-1,3-dichloropropene	12.04	75	1290	0.42	ug/L		98
82) toluene	12.41	92	2080	0.47	ug/L		97
89) tetrachloroethene	13.03	164	661	0.63	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128177.D
Acq On : 12 May 2014 12:54 pm
Operator : mariceld
Sample : ic5716-0.5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 12:50:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:48 2014
Response via : Initial Calibration

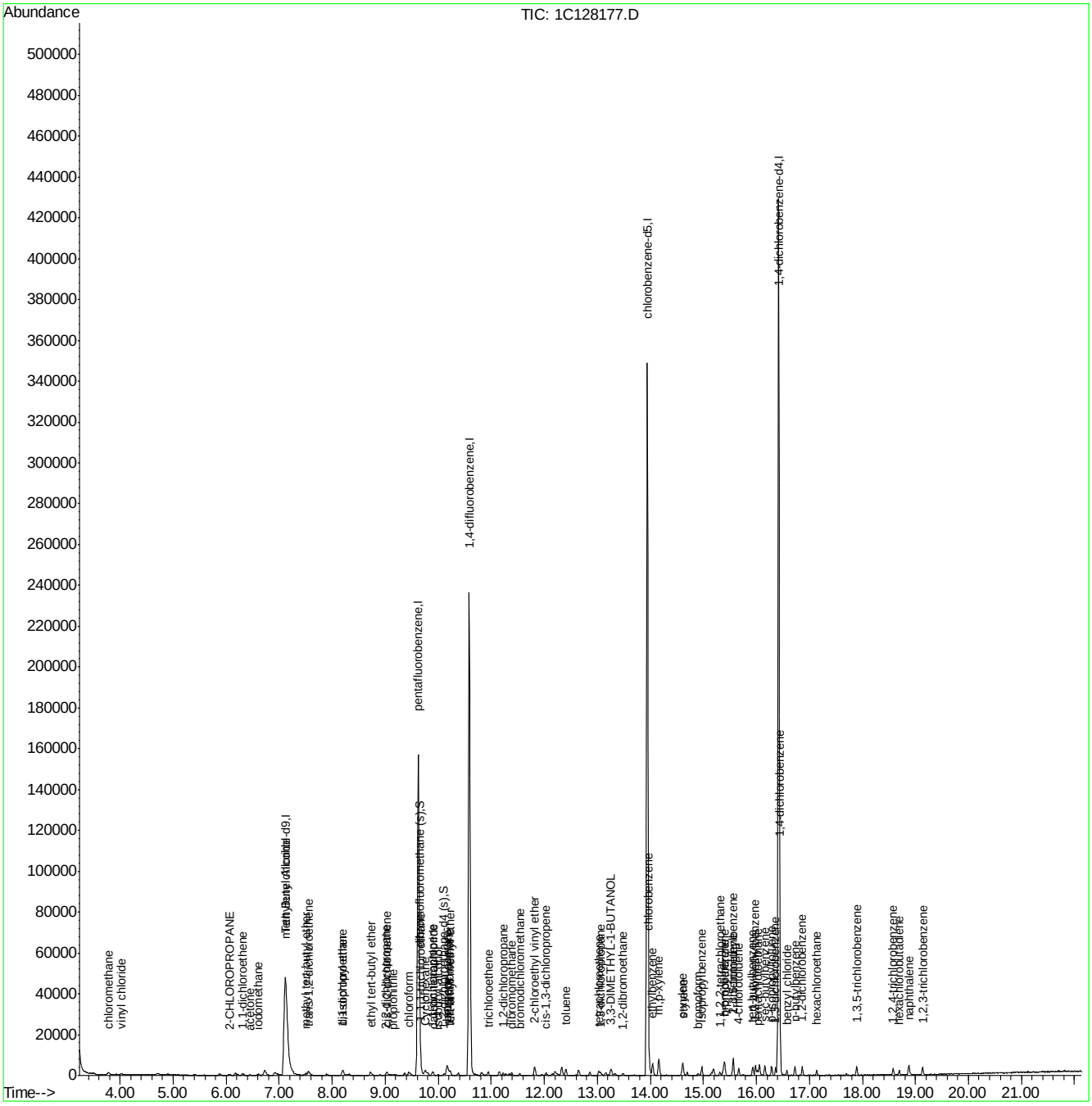
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
90) 1,3-dichloropropane	13.06	76	1226	0.46	ug/L		93
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	1650	4.75	ug/L		93
94) 1,2-dibromoethane	13.48	107	744	0.52	ug/L		81
95) chlorobenzene	13.97	112	2274	0.48	ug/L		99
97) ethylbenzene	14.05	91	3856	0.44	ug/L		97
98) m,p-xylene	14.16	106	2861	0.90	ug/L		97
99) o-xylene	14.61	106	1511	0.47	ug/L	#	80
100) styrene	14.62	104	2474	0.47	ug/L		97
102) bromoform	14.90	173	764	0.50	ug/L		92
104) isopropylbenzene	14.97	105	4145	0.47	ug/L		94
107) bromobenzene	15.40	156	1057	0.47	ug/L		91
108) 1,1,2,2-tetrachloroethane	15.31	83	1526	0.51	ug/L		79
111) n-propylbenzene	15.41	91	4799	0.47	ug/L		97
112) 2-chlorotoluene	15.56	126	1014	0.58	ug/L		84
113) 4-chlorotoluene	15.67	91	3051	0.50	ug/L		91
114) 1,3,5-trimethylbenzene	15.57	105	3488	0.46	ug/L		96
115) tert-butylbenzene	15.93	119	3058	0.50	ug/L		98
116) pentachloroethane	16.02	167	673	0.57	ug/L	#	76
117) 1,2,4-trimethylbenzene	15.99	105	3619	0.47	ug/L		94
118) sec-butylbenzene	16.16	105	4682	0.46	ug/L		99
119) 1,3-dichlorobenzene	16.36	146	2275	0.48	ug/L		99
120) p-isopropyltoluene	16.29	119	3980	0.48	ug/L		95
122) 1,4-dichlorobenzene	16.45	146	2657	0.50	ug/L		91
123) benzyl chloride	16.58	91	2990	0.49	ug/L		91
124) 1,2-dichlorobenzene	16.86	146	2410	0.52	ug/L		96
125) n-butylbenzene	16.72	92	2058	0.47	ug/L		80
127) 1,3,5-trichlorobenzene	17.90	180	2014	0.51	ug/L		97
128) 1,2,4-trichlorobenzene	18.58	180	1894	0.52	ug/L		88
129) hexachlorobutadiene	18.70	225	959	0.53	ug/L		95
130) naphthalene	18.88	128	5222	0.52	ug/L		99
131) 1,2,3-trichlorobenzene	19.14	180	1775	0.51	ug/L		98
132) hexachloroethane	17.14	201	636	0.53	ug/L		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128177.D
Acq On : 12 May 2014 12:54 pm
Operator : mariceld
Sample : ic5716-0.5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 12:50:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:48 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128178.D
Acq On : 12 May 2014 1:22 pm
Operator : mariceld
Sample : ic5716-1
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 12:53:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.13	65	136662	500.00	ug/L		0.00
4) pentafluorobenzene	9.63	168	150079	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.59	114	232483	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	214228	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	131788	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.66	113	2165	1.08	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 2.16%#				
53) 1,2-dichloroethane-d4 (s)	10.11	65	2216	1.10	ug/L		0.01
Spiked Amount 50.000	Range 72 - 123		Recovery = 2.20%#				
80) toluene-d8 (s)	12.33	98	7780	0.87	ug/L		0.01
Spiked Amount 50.000	Range 78 - 119		Recovery = 1.74%#				
105) 4-bromofluorobenzene (s)	15.19	95	3235	0.84	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 1.68%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.27	59	1764	5.41	ug/L		100
9) chlorodifluoromethane	3.52	51	1669	1.46	ug/L		64
10) dichlorodifluoromethane	3.50	85	2756	1.90	ug/L		86
12) chloromethane	3.78	50	3787	1.14	ug/L		93
13) vinyl chloride	4.04	62	3415	1.29	ug/L		92
14) bromomethane	4.71	94	2095	1.53	ug/L		91
15) chloroethane	4.90	64	1428	1.27	ug/L		73
19) trichlorofluoromethane	5.42	101	3095	1.40	ug/L		85
20) ethyl ether	5.88	74	923	0.93	ug/L		88
22) acrolein	6.16	56	4967	12.66	ug/L		91
23) 1,1-dichloroethene	6.31	96	1851	1.23	ug/L		87
24) acetone	6.45	43	981	1.28	ug/L	#	55
27) iodomethane	6.61	142	3918	1.36	ug/L		97
29) 2-CHLOROPROPANE	6.06	43	4082	1.44	ug/L	#	80
30) methylene chloride	7.13	84	2115	1.12	ug/L		91
31) methyl acetate	6.96	43	1772	1.49	ug/L	#	51
32) methyl tert butyl ether	7.51	73	6722	1.21	ug/L		95
33) trans-1,2-dichloroethene	7.56	96	1983	1.75	ug/L		93
35) di-isopropyl ether	8.20	45	7805	1.33	ug/L	#	57
37) 1,1-dichloroethane	8.20	63	3928	1.23	ug/L		98
38) chloroprene	8.33	53	2804	1.70	ug/L		90
39) acrylonitrile	7.55	53	4427	7.19	ug/L		96
41) ethyl tert-butyl ether	8.72	59	7058	1.27	ug/L		94
43) 2,2-dichloropropane	9.02	77	3283	1.37	ug/L		82
44) cis-1,2-dichloroethene	9.04	96	2071	1.49	ug/L	#	80
45) propionitrile	9.15	54	3918	16.56	ug/L	#	62
46) methylacrylate	9.17	55	2316	1.65	ug/L	#	75
47) bromochloromethane	9.38	128	906	1.21	ug/L		92
49) chloroform	9.45	85	2323	1.28	ug/L		92
50) T-BUTYL FORMATE	9.47	59	2075	1.44	ug/L	#	85
51) isobutyl alcohol	9.99	43	1511	4.52	ug/L	#	91
54) freon 113	6.28	151	1196	0.97	ug/L		91
56) 1,1,1-trichloroethane	9.69	97	3021	1.32	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128178.D
Acq On : 12 May 2014 1:22 pm
Operator : mariceld
Sample : ic5716-1
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 12:53:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
57) Cyclohexane	9.76	84	3327	1.43	ug/L		91
59) ISO-OCTANE	10.18	57	8560	1.43	ug/L		98
60) epichlorohydrin	11.95	57	1457	6.42	ug/L		52
61) n-butyl alcohol	10.79	56	4914	80.40	ug/L		93
62) carbon tetrachloride	9.91	117	2860	1.38	ug/L		95
63) 1,1-dichloropropene	9.90	75	2655	1.36	ug/L		94
64) hexane	7.91	57	2446	2.03	ug/L		100
65) benzene	10.17	78	8447	1.16	ug/L		96
66) tert-amyl methyl ether	10.22	73	6988	1.24	ug/L		99
67) heptane	10.38	57	1436	0.57	ug/L		92
68) isopropyl acetate	10.15	43	6303	1.28	ug/L		92
69) 1,2-dichloroethane	10.21	62	2716	1.44	ug/L		94
70) trichloroethene	10.94	95	1992	1.38	ug/L		93
71) 2-nitropropane	11.79	41	1013	1.18	ug/L	#	45
72) 2-chloroethyl vinyl ether	11.81	63	7181	6.49	ug/L		99
74) 1,2-dichloropropane	11.21	63	2213	1.36	ug/L		97
75) dibromomethane	11.39	93	1338	1.26	ug/L		91
76) methylcyclohexane	11.15	83	3351	1.45	ug/L		95
77) bromodichloromethane	11.54	83	2829	1.21	ug/L		96
79) cis-1,3-dichloropropene	12.03	75	3428	1.17	ug/L		97
81) 4-methyl-2-pentanone	12.15	58	1089	1.45	ug/L		92
82) toluene	12.41	92	4900	1.13	ug/L		85
83) 3-methyl-1-butanol	12.20	55	3327	31.63	ug/L		95
84) trans-1,3-dichloropropene	12.64	75	3295	1.36	ug/L		96
85) ethyl methacrylate	12.65	69	3021	1.47	ug/L		97
86) 1,1,2-trichloroethane	12.86	83	1694	1.30	ug/L		98
87) 2-hexanone	13.07	58	1014	1.04	ug/L		83
89) tetrachloroethene	13.03	164	1804	1.54	ug/L		94
90) 1,3-dichloropropane	13.06	76	3367	1.27	ug/L		94
91) butyl acetate	13.15	56	1707	1.10	ug/L		100
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	4003	11.38	ug/L		99
93) dibromochloromethane	13.33	129	2401	1.33	ug/L		93
94) 1,2-dibromoethane	13.49	107	2102	1.41	ug/L		89
95) chlorobenzene	13.98	112	5793	1.20	ug/L		94
96) 1,1,1,2-tetrachloroethane	14.05	131	2335	1.35	ug/L		92
97) ethylbenzene	14.05	91	9938	1.16	ug/L		95
98) m,p-xylene	14.16	106	7412	2.34	ug/L		94
99) o-xylene	14.61	106	3990	1.23	ug/L		96
100) styrene	14.62	104	6182	1.16	ug/L		96
102) bromoform	14.90	173	2080	1.32	ug/L		93
104) isopropylbenzene	14.97	105	10251	1.13	ug/L		97
107) bromobenzene	15.39	156	2811	1.21	ug/L		96
108) 1,1,2,2-tetrachloroethane	15.31	83	4135	1.30	ug/L		95
109) trans-1,4-dichloro-2-buten	15.35	53	1008	1.17	ug/L		84
110) 1,2,3-trichloropropane	15.38	110	920	1.50	ug/L		94
111) n-propylbenzene	15.41	91	12130	1.16	ug/L		99
112) 2-chlorotoluene	15.56	126	2578	1.32	ug/L		90
113) 4-chlorotoluene	15.67	91	7814	1.21	ug/L		96
114) 1,3,5-trimethylbenzene	15.57	105	8689	1.12	ug/L		95
115) tert-butylbenzene	15.93	119	7751	1.20	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128178.D
Acq On : 12 May 2014 1:22 pm
Operator : mariceld
Sample : ic5716-1
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 12:53:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:58 2014
Response via : Initial Calibration

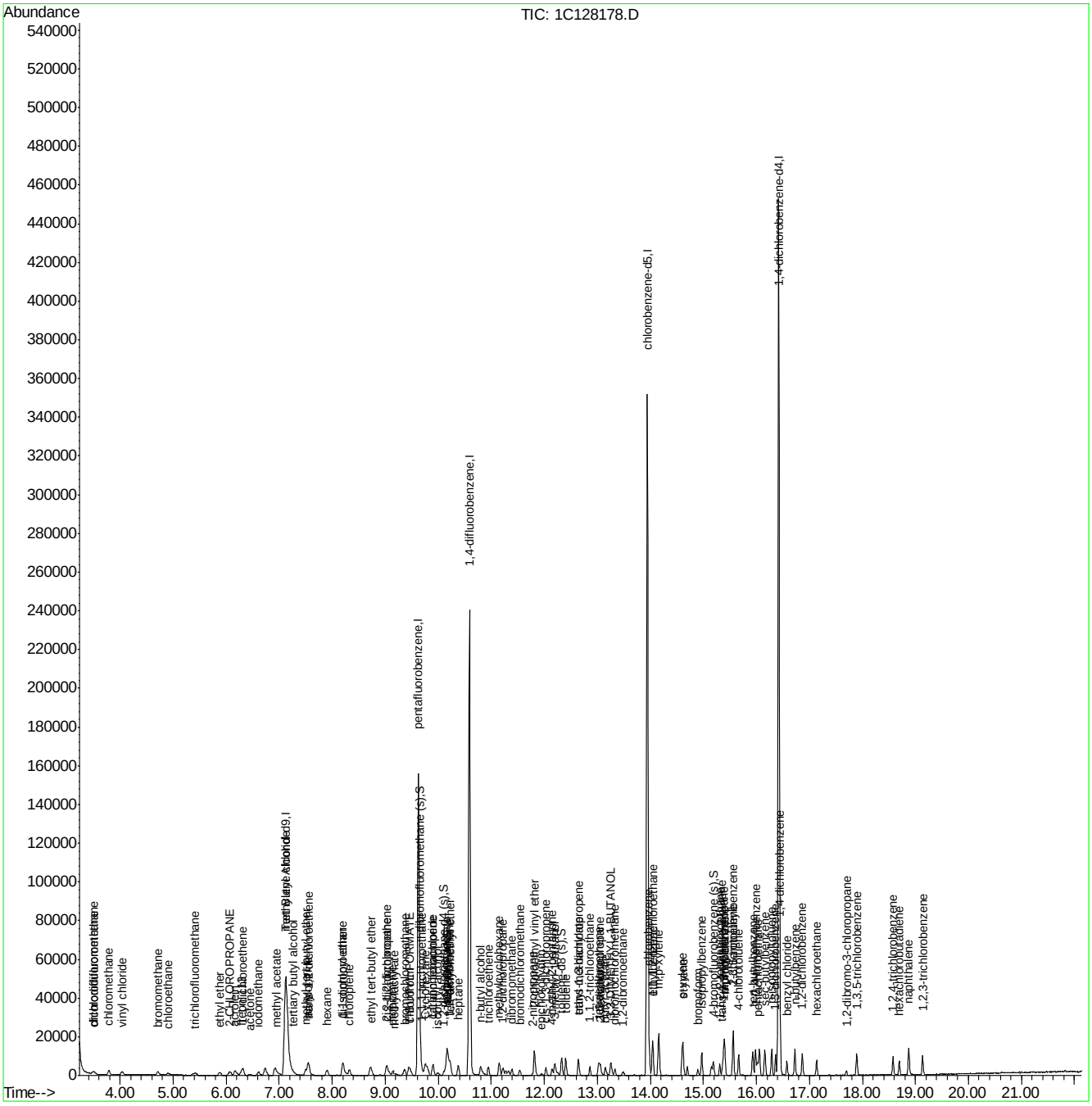
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
116) pentachloroethane	16.02	167	2009	1.53 ug/L	94
117) 1,2,4-trimethylbenzene	15.98	105	8971	1.14 ug/L	99
118) sec-butylbenzene	16.16	105	11889	1.15 ug/L	99
119) 1,3-dichlorobenzene	16.36	146	5874	1.20 ug/L	97
120) p-isopropyltoluene	16.29	119	9703	1.12 ug/L	98
122) 1,4-dichlorobenzene	16.45	146	6116	1.10 ug/L	98
123) benzyl chloride	16.58	91	7281	1.14 ug/L	97
124) 1,2-dichlorobenzene	16.86	146	6171	1.25 ug/L	98
125) n-butylbenzene	16.73	92	5173	1.15 ug/L	91
126) 1,2-dibromo-3-chloropropan	17.70	75	768	1.36 ug/L	90
127) 1,3,5-trichlorobenzene	17.89	180	4817	1.15 ug/L	97
128) 1,2,4-trichlorobenzene	18.58	180	4515	1.16 ug/L	90
129) hexachlorobutadiene	18.70	225	2408	1.24 ug/L	97
130) naphthalene	18.87	128	12679	1.27 ug/L	98
131) 1,2,3-trichlorobenzene	19.14	180	4490	1.26 ug/L	92
132) hexachloroethane	17.14	201	1828	1.41 ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128178.D
Acq On : 12 May 2014 1:22 pm
Operator : mariceld
Sample : ic5716-1
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 12:53:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:40:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128179.D
Acq On : 12 May 2014 1:50 pm
Operator : mariceld
Sample : ic5716-2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 12:57:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:09 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.12	65	138069	500.00	ug/L		0.00
4) pentafluorobenzene	9.63	168	154446	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.59	114	237056	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	216169	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	131472	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.66	113	3806	1.81	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 3.62%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	4470	2.09	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 4.18%#				
80) toluene-d8 (s)	12.33	98	14053	1.59	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 3.18%#				
105) 4-bromofluorobenzene (s)	15.19	95	5634	1.53	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 3.06%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.25	59	3549	10.35	ug/L		100
3) 1,4-dioxane	11.37	88	1196	52.89	ug/L		80
9) chlorodifluoromethane	3.50	51	3251	2.39	ug/L		79
10) dichlorodifluoromethane	3.50	85	5474	2.82	ug/L		92
12) chloromethane	3.78	50	7111	2.01	ug/L		95
13) vinyl chloride	4.04	62	6307	2.15	ug/L		97
14) bromomethane	4.71	94	3998	2.50	ug/L		98
15) chloroethane	4.90	64	2710	2.15	ug/L		93
19) trichlorofluoromethane	5.42	101	5889	2.28	ug/L		93
20) ethyl ether	5.87	74	1980	2.01	ug/L		93
22) acrolein	6.15	56	10334	24.00	ug/L		100
23) 1,1-dichloroethene	6.32	96	3300	1.98	ug/L		93
24) acetone	6.46	43	1641	1.83	ug/L	#	55
26) allyl chloride	6.92	76	1698	0.31	ug/L	#	87
27) iodomethane	6.61	142	6447	2.00	ug/L		95
28) carbon disulfide	6.73	76	14616	1.21	ug/L		98
29) 2-CHLOROPROPANE	6.07	43	7022	2.17	ug/L	#	89
30) methylene chloride	7.13	84	4025	2.02	ug/L		91
31) methyl acetate	6.95	43	3557	2.50	ug/L		90
32) methyl tert butyl ether	7.51	73	11783	1.96	ug/L		94
33) trans-1,2-dichloroethene	7.55	96	3351	2.42	ug/L		97
35) di-isopropyl ether	8.20	45	14222	2.17	ug/L	#	62
37) 1,1-dichloroethane	8.20	63	6981	1.97	ug/L		95
38) chloroprene	8.32	53	5321	2.67	ug/L		96
39) acrylonitrile	7.54	53	8612	12.25	ug/L		96
41) ethyl tert-butyl ether	8.72	59	12975	2.12	ug/L		95
43) 2,2-dichloropropane	9.02	77	5498	2.04	ug/L		92
44) cis-1,2-dichloroethene	9.04	96	3658	2.28	ug/L		94
45) propionitrile	9.13	54	7399	26.11	ug/L	#	66
46) methylacrylate	9.15	55	4612	2.62	ug/L	#	82
47) bromochloromethane	9.36	128	1935	2.35	ug/L		92
49) chloroform	9.44	85	4180	2.09	ug/L		96
50) T-BUTYL FORMATE	9.47	59	3611	2.12	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128179.D
Acq On : 12 May 2014 1:50 pm
Operator : mariceld
Sample : ic5716-2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 12:57:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:09 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
51) isobutyl alcohol	9.98	43	3133	10.55 ug/L #	95
54) freon 113	6.28	151	2576	2.06 ug/L	91
55) methacrylonitrile	9.34	67	1548	1.69 ug/L	93
56) 1,1,1-trichloroethane	9.69	97	5487	2.16 ug/L	88
57) Cyclohexane	9.76	84	5488	2.07 ug/L	95
59) ISO-OCTANE	10.17	57	16149	2.39 ug/L	98
60) epichlorohydrin	11.94	57	2878	11.36 ug/L	93
61) n-butyl alcohol	10.79	56	9509	132.45 ug/L	89
62) carbon tetrachloride	9.91	117	4933	2.13 ug/L	93
63) 1,1-dichloropropene	9.89	75	4711	2.17 ug/L	97
64) hexane	7.91	57	4570	2.96 ug/L	90
65) benzene	10.17	78	14431	1.87 ug/L	100
66) tert-amyl methyl ether	10.23	73	13017	2.14 ug/L	97
67) heptane	10.38	57	2809	1.22 ug/L	97
68) isopropyl acetate	10.14	43	11801	2.19 ug/L	96
69) 1,2-dichloroethane	10.20	62	4836	2.27 ug/L	98
70) trichloroethene	10.94	95	3456	2.14 ug/L	90
71) 2-nitropropane	11.78	41	1724	1.81 ug/L	95
72) 2-chloroethyl vinyl ether	11.81	63	13399	11.05 ug/L	99
74) 1,2-dichloropropane	11.22	63	3850	2.12 ug/L	93
75) dibromomethane	11.39	93	2432	2.06 ug/L	97
76) methylcyclohexane	11.15	83	6449	2.46 ug/L	99
77) bromodichloromethane	11.54	83	4921	1.96 ug/L	99
79) cis-1,3-dichloropropene	12.03	75	6005	1.93 ug/L	98
81) 4-methyl-2-pentanone	12.15	58	1920	2.18 ug/L	87
82) toluene	12.40	92	8542	1.87 ug/L	97
83) 3-methyl-1-butanol	12.19	55	6112	49.76 ug/L	90
84) trans-1,3-dichloropropene	12.63	75	5643	2.10 ug/L	94
85) ethyl methacrylate	12.64	69	4986	2.13 ug/L	97
86) 1,1,2-trichloroethane	12.86	83	2934	2.01 ug/L	97
87) 2-hexanone	13.06	58	1642	1.62 ug/L	85
89) tetrachloroethene	13.03	164	3000	2.23 ug/L	96
90) 1,3-dichloropropane	13.05	76	5662	1.98 ug/L	94
91) butyl acetate	13.15	56	3327	2.08 ug/L	87
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	7016	19.11 ug/L	97
93) dibromochloromethane	13.33	129	4126	2.09 ug/L	93
94) 1,2-dibromoethane	13.49	107	3712	2.24 ug/L	94
95) chlorobenzene	13.98	112	9730	1.90 ug/L	99
96) 1,1,1,2-tetrachloroethane	14.05	131	3784	1.99 ug/L	93
97) ethylbenzene	14.04	91	16740	1.86 ug/L	98
98) m,p-xylene	14.16	106	12416	3.73 ug/L	95
99) o-xylene	14.61	106	6569	1.89 ug/L	95
100) styrene	14.62	104	10469	1.87 ug/L	98
102) bromoform	14.90	173	3237	1.89 ug/L	94
104) isopropylbenzene	14.97	105	16866	1.81 ug/L	98
106) cyclohexanone	15.15	55	3476	18.69 ug/L	94
107) bromobenzene	15.39	156	4504	1.85 ug/L	98
108) 1,1,2,2-tetrachloroethane	15.31	83	6129	1.80 ug/L	99
109) trans-1,4-dichloro-2-buten	15.36	53	1599	1.71 ug/L	95
110) 1,2,3-trichloropropane	15.38	110	1491	2.09 ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128179.D
Acq On : 12 May 2014 1:50 pm
Operator : mariceld
Sample : ic5716-2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 12:57:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:09 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) n-propylbenzene	15.41	91	19780	1.82	ug/L	96
112) 2-chlorotoluene	15.56	126	4233	2.02	ug/L	95
113) 4-chlorotoluene	15.66	91	12561	1.85	ug/L	96
114) 1,3,5-trimethylbenzene	15.57	105	15031	1.89	ug/L	99
115) tert-butylbenzene	15.93	119	12643	1.86	ug/L	97
116) pentachloroethane	16.02	167	3079	2.08	ug/L	89
117) 1,2,4-trimethylbenzene	15.99	105	14511	1.78	ug/L	87
118) sec-butylbenzene	16.16	105	19879	1.85	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	9310	1.81	ug/L	97
120) p-isopropyltoluene	16.29	119	16398	1.84	ug/L	97
122) 1,4-dichlorobenzene	16.45	146	9839	1.72	ug/L	94
123) benzyl chloride	16.58	91	13334	2.02	ug/L	96
124) 1,2-dichlorobenzene	16.87	146	9348	1.78	ug/L	97
125) n-butylbenzene	16.73	92	8795	1.89	ug/L	96
126) 1,2-dibromo-3-chloropropan	17.70	75	1209	1.91	ug/L	88
127) 1,3,5-trichlorobenzene	17.89	180	8205	1.89	ug/L	99
128) 1,2,4-trichlorobenzene	18.58	180	7203	1.78	ug/L	98
129) hexachlorobutadiene	18.70	225	4040	1.96	ug/L	98
130) naphthalene	18.87	128	19336	1.89	ug/L	97
131) 1,2,3-trichlorobenzene	19.14	180	6855	1.87	ug/L	97
132) hexachloroethane	17.14	201	3135	2.20	ug/L	94

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

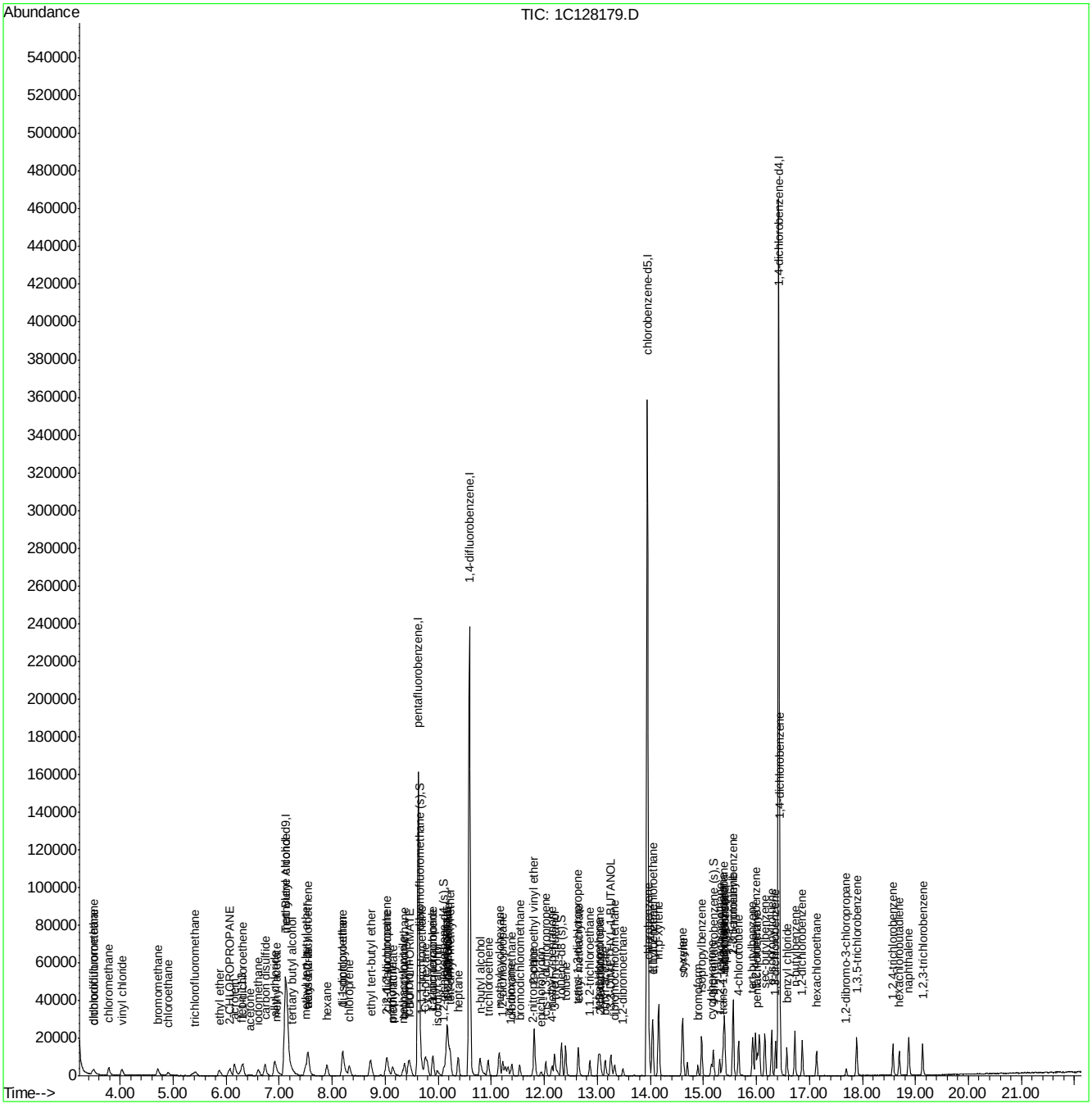
7.7.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128179.D
Acq On : 12 May 2014 1:50 pm
Operator : mariceld
Sample : ic5716-2
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 12:57:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:09 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128180.D
Acq On : 12 May 2014 2:18 pm
Operator : mariceld
Sample : ic5716-5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 13 12:58:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:19 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.12	65	135381	500.00	ug/L		-0.01
4) pentafluorobenzene	9.63	168	152593	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.58	114	233054	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	213614	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	132358	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.66	113	8953	4.40	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 8.80%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	11073	5.19	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 10.38%#				
80) toluene-d8 (s)	12.32	98	32331	3.88	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 7.76%#				
105) 4-bromofluorobenzene (s)	15.19	95	12721	3.59	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 7.18%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.26	59	8437	24.80	ug/L		100
3) 1,4-dioxane	11.37	88	3315	146.69	ug/L		97
9) chlorodifluoromethane	3.50	51	8380	5.95	ug/L		99
10) dichlorodifluoromethane	3.49	85	12769	6.04	ug/L		96
12) chloromethane	3.78	50	16842	4.82	ug/L		99
13) vinyl chloride	4.04	62	15627	5.32	ug/L		98
14) bromomethane	4.70	94	9350	5.64	ug/L		98
15) chloroethane	4.90	64	6814	5.37	ug/L		97
19) trichlorofluoromethane	5.41	101	14350	5.44	ug/L		92
20) ethyl ether	5.87	74	4959	5.08	ug/L		99
22) acrolein	6.14	56	25453	57.52	ug/L		98
23) 1,1-dichloroethene	6.31	96	8750	5.32	ug/L		97
24) acetone	6.43	43	3963	4.60	ug/L	#	83
25) acetonitrile	6.90	40	12694	40.30	ug/L		90
26) allyl chloride	6.91	76	4624	1.04	ug/L	#	82
27) iodomethane	6.60	142	17426	5.47	ug/L		99
28) carbon disulfide	6.73	76	34491	3.14	ug/L		97
29) 2-CHLOROPROPANE	6.06	43	18335	5.64	ug/L	#	92
30) methylene chloride	7.13	84	10269	5.20	ug/L		94
31) methyl acetate	6.94	43	9536	6.39	ug/L		97
32) methyl tert butyl ether	7.50	73	29580	5.00	ug/L		99
33) trans-1,2-dichloroethene	7.54	96	9074	6.36	ug/L		99
34) 1-CHLOROPROPANE	7.15	42	28989	1.38	ug/L	#	85
35) di-isopropyl ether	8.20	45	34997	5.32	ug/L	#	63
36) 2-butanone	9.04	72	1060	3.92	ug/L	#	54
37) 1,1-dichloroethane	8.19	63	17990	5.16	ug/L		97
38) chloroprene	8.32	53	13072	6.21	ug/L		95
39) acrylonitrile	7.52	53	22553	31.06	ug/L		98
41) ethyl tert-butyl ether	8.72	59	31862	5.21	ug/L		98
42) ethyl acetate	9.06	45	1658	5.83	ug/L	#	39
43) 2,2-dichloropropane	9.01	77	14366	5.37	ug/L		99
44) cis-1,2-dichloroethene	9.03	96	9917	6.08	ug/L		91
45) propionitrile	9.13	54	18305	61.61	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128180.D
Acq On : 12 May 2014 2:18 pm
Operator : mariceld
Sample : ic5716-5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 13 12:58:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:19 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) methylacrylate	9.13	55	12863	6.87	ug/L		97
47) bromochloromethane	9.36	128	4829	5.68	ug/L		96
48) tetrahydrofuran	9.44	72	1532	6.26	ug/L	#	56
49) chloroform	9.44	85	10585	5.32	ug/L		96
50) T-BUTYL FORMATE	9.47	59	9433	5.53	ug/L		99
51) isobutyl alcohol	9.98	43	7475	28.13	ug/L	#	96
54) freon 113	6.28	151	6629	5.31	ug/L		97
55) methacrylonitrile	9.32	67	4280	5.12	ug/L		95
56) 1,1,1-trichloroethane	9.69	97	14279	5.61	ug/L		94
57) Cyclohexane	9.76	84	14441	5.48	ug/L		99
59) ISO-OCTANE	10.17	57	39244	5.69	ug/L		99
60) epichlorohydrin	11.93	57	6793	26.37	ug/L		98
61) n-butyl alcohol	10.78	56	23079	307.05	ug/L		98
62) carbon tetrachloride	9.90	117	12725	5.52	ug/L		95
63) 1,1-dichloropropene	9.89	75	12897	5.94	ug/L		94
64) hexane	7.90	57	11060	6.65	ug/L		96
65) benzene	10.17	78	36812	4.92	ug/L		98
66) tert-amyl methyl ether	10.22	73	31457	5.18	ug/L		97
67) heptane	10.37	57	7146	3.43	ug/L		94
68) isopropyl acetate	10.14	43	28944	5.36	ug/L		97
69) 1,2-dichloroethane	10.20	62	12085	5.62	ug/L		99
70) trichloroethene	10.94	95	9183	5.71	ug/L		97
71) 2-nitropropane	11.78	41	4402	4.86	ug/L		99
72) 2-chloroethyl vinyl ether	11.81	63	32486	26.69	ug/L		98
73) methyl methacrylate	11.26	100	2321	5.49	ug/L	#	86
74) 1,2-dichloropropane	11.22	63	10269	5.69	ug/L		98
75) dibromomethane	11.39	93	5949	5.10	ug/L		99
76) methylcyclohexane	11.15	83	15475	5.73	ug/L		98
77) bromodichloromethane	11.54	83	12453	5.06	ug/L		100
79) cis-1,3-dichloropropene	12.02	75	15931	5.25	ug/L		99
81) 4-methyl-2-pentanone	12.14	58	5139	5.81	ug/L		99
82) toluene	12.40	92	21938	4.95	ug/L		96
83) 3-methyl-1-butanol	12.19	55	15133	119.48	ug/L		97
84) trans-1,3-dichloropropene	12.63	75	14441	5.41	ug/L		98
85) ethyl methacrylate	12.64	69	13169	5.65	ug/L		98
86) 1,1,2-trichloroethane	12.85	83	7550	5.25	ug/L		95
87) 2-hexanone	13.06	58	4526	4.84	ug/L		97
89) tetrachloroethene	13.03	164	7896	5.81	ug/L		97
90) 1,3-dichloropropane	13.05	76	14346	5.09	ug/L		97
91) butyl acetate	13.15	56	7790	4.89	ug/L		98
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	16794	46.70	ug/L		99
93) dibromochloromethane	13.33	129	10209	5.19	ug/L		99
94) 1,2-dibromoethane	13.48	107	9015	5.37	ug/L		98
95) chlorobenzene	13.98	112	24843	4.96	ug/L		94
96) 1,1,1,2-tetrachloroethane	14.05	131	10097	5.38	ug/L		97
97) ethylbenzene	14.04	91	43513	4.96	ug/L		100
98) m,p-xylene	14.16	106	32322	9.96	ug/L		97
99) o-xylene	14.60	106	16399	4.84	ug/L		97
100) styrene	14.62	104	26913	4.94	ug/L		98
102) bromoform	14.90	173	8546	5.09	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128180.D
Acq On : 12 May 2014 2:18 pm
Operator : mariceld
Sample : ic5716-5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 13 12:58:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:19 2014
Response via : Initial Calibration

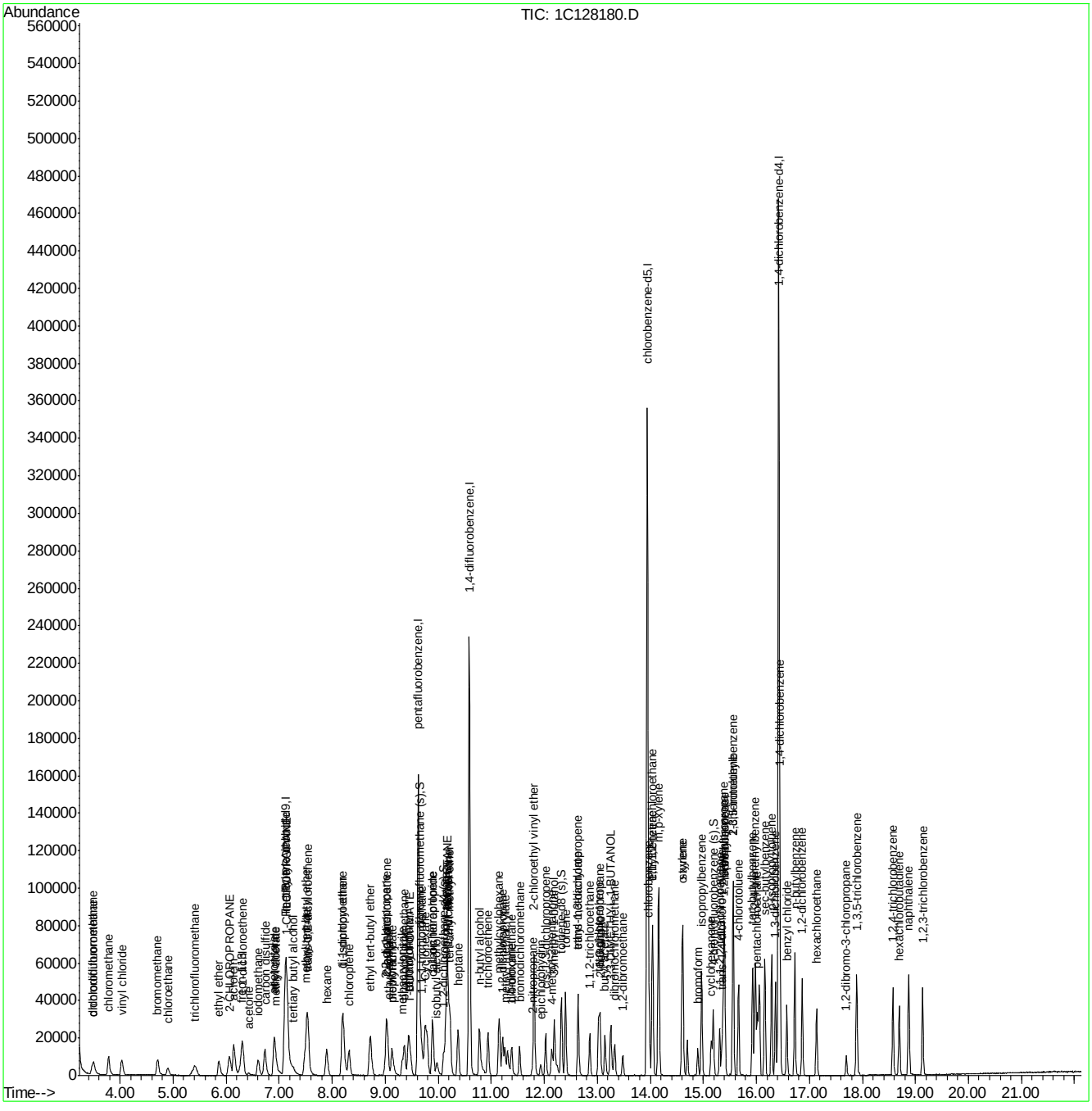
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.97	105	44000	4.77	ug/L	97
106) cyclohexanone	15.15	55	10010	54.16	ug/L	99
107) bromobenzene	15.39	156	11917	4.93	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.31	83	15414	4.58	ug/L	97
109) trans-1,4-dichloro-2-buten	15.35	53	4085	4.57	ug/L	96
110) 1,2,3-trichloropropane	15.38	110	3568	4.91	ug/L	93
111) n-propylbenzene	15.41	91	51862	4.83	ug/L	100
112) 2-chlorotoluene	15.56	126	10937	5.17	ug/L	99
113) 4-chlorotoluene	15.66	91	32271	4.80	ug/L	99
114) 1,3,5-trimethylbenzene	15.57	105	38519	4.86	ug/L	98
115) tert-butylbenzene	15.93	119	33498	4.97	ug/L	98
116) pentachloroethane	16.02	167	8227	5.48	ug/L	94
117) 1,2,4-trimethylbenzene	15.98	105	37659	4.69	ug/L	99
118) sec-butylbenzene	16.16	105	51611	4.85	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	24043	4.74	ug/L	99
120) p-isopropyltoluene	16.29	119	43146	4.90	ug/L	99
122) 1,4-dichlorobenzene	16.45	146	24336	4.36	ug/L	98
123) benzyl chloride	16.57	91	30328	4.56	ug/L	98
124) 1,2-dichlorobenzene	16.87	146	24210	4.69	ug/L	98
125) n-butylbenzene	16.73	92	22883	4.93	ug/L	97
126) 1,2-dibromo-3-chloropropan	17.70	75	3253	5.17	ug/L	96
127) 1,3,5-trichlorobenzene	17.90	180	21255	4.92	ug/L	99
128) 1,2,4-trichlorobenzene	18.58	180	19220	4.83	ug/L	93
129) hexachlorobutadiene	18.70	225	10566	5.12	ug/L	97
130) naphthalene	18.87	128	48751	5.02	ug/L	98
131) 1,2,3-trichlorobenzene	19.14	180	18289	5.19	ug/L	100
132) hexachloroethane	17.14	201	8227	5.62	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128180.D
Acq On : 12 May 2014 2:18 pm
Operator : mariceld
Sample : ic5716-5
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 13 12:58:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128181.D
Acq On : 12 May 2014 2:46 pm
Operator : mariceld
Sample : ic5716-10
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 12:58:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:29 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.13	65	135485	500.00	ug/L		0.00
4) pentafluorobenzene	9.63	168	157804	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.59	114	243089	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	219875	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	133557	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.66	113	18052	8.75	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 17.50%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	21577	9.70	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 19.40%#				
80) toluene-d8 (s)	12.33	98	65879	7.87	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 15.74%#				
105) 4-bromofluorobenzene (s)	15.19	95	25249	7.41	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 14.82%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.26	59	16715	49.20	ug/L		100
3) 1,4-dioxane	11.36	88	6599	279.65	ug/L		86
9) chlorodifluoromethane	3.51	51	15713	10.40	ug/L		98
10) dichlorodifluoromethane	3.49	85	25622	11.26	ug/L		95
13) vinyl chloride	4.04	62	30307	9.87	ug/L		99
14) bromomethane	4.72	94	18880	10.79	ug/L		99
15) chloroethane	4.91	64	13489	10.13	ug/L		97
19) trichlorofluoromethane	5.41	101	29477	10.62	ug/L		95
20) ethyl ether	5.87	74	10460	10.32	ug/L		89
22) acrolein	6.14	56	52548	112.03	ug/L		97
23) 1,1-dichloroethene	6.32	96	17350	10.07	ug/L		95
24) acetone	6.43	43	7871	9.01	ug/L	#	90
25) acetonitrile	6.90	40	28860	91.55	ug/L		73
26) allyl chloride	6.91	76	9413	2.36	ug/L	#	76
27) iodomethane	6.61	142	34434	10.29	ug/L		99
28) carbon disulfide	6.73	76	64424	6.04	ug/L		99
29) 2-CHLOROPROPANE	6.06	43	36682	10.68	ug/L	#	91
30) methylene chloride	7.13	84	20193	9.82	ug/L		99
31) methyl acetate	6.93	43	19019	11.67	ug/L		92
32) methyl tert butyl ether	7.50	73	60244	9.84	ug/L		100
33) trans-1,2-dichloroethene	7.54	96	18393	11.93	ug/L		98
34) 1-CHLOROPROPANE	7.16	42	47064	2.47	ug/L	#	94
35) di-isopropyl ether	8.20	45	67746	9.85	ug/L	#	68
36) 2-butanone	9.03	72	2611	10.46	ug/L	#	36
37) 1,1-dichloroethane	8.20	63	36512	10.07	ug/L		99
38) chloroprene	8.32	53	25477	11.26	ug/L		98
39) acrylonitrile	7.52	53	46276	59.24	ug/L		99
40) vinyl acetate	8.23	86	2666	9.43	ug/L		42
41) ethyl tert-butyl ether	8.72	59	61703	9.69	ug/L		98
42) ethyl acetate	9.05	45	3388	10.91	ug/L		87
43) 2,2-dichloropropane	9.01	77	27605	9.86	ug/L		97
44) cis-1,2-dichloroethene	9.03	96	20229	11.57	ug/L		98
45) propionitrile	9.12	54	38405	120.34	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128181.D
Acq On : 12 May 2014 2:46 pm
Operator : mariceld
Sample : ic5716-10
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 12:58:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:29 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) methylacrylate	9.13	55	26523	12.74	ug/L	96
47) bromochloromethane	9.36	128	10177	11.27	ug/L	98
48) tetrahydrofuran	9.42	72	3182	11.60	ug/L	93
49) chloroform	9.44	85	21587	10.37	ug/L	98
50) T-BUTYL FORMATE	9.47	59	18857	10.47	ug/L	99
51) isobutyl alcohol	9.97	43	14694	57.68	ug/L	97
54) freon 113	6.28	151	12445	9.49	ug/L	88
55) methacrylonitrile	9.32	67	9280	10.66	ug/L	95
56) 1,1,1-trichloroethane	9.69	97	27812	10.35	ug/L	96
57) Cyclohexane	9.76	84	28453	10.28	ug/L	93
59) ISO-OCTANE	10.18	57	70110	9.52	ug/L	98
60) epichlorohydrin	11.93	57	13625	50.16	ug/L	97
61) n-butyl alcohol	10.77	56	45929	564.37	ug/L	99
62) carbon tetrachloride	9.90	117	25305	10.35	ug/L	99
63) 1,1-dichloropropene	9.89	75	25239	10.81	ug/L	99
64) hexane	7.90	57	20308	11.10	ug/L	99
65) benzene	10.16	78	75785	9.74	ug/L	99
66) tert-amyl methyl ether	10.22	73	60951	9.57	ug/L	99
67) heptane	10.37	57	12776	6.21	ug/L	96
68) isopropyl acetate	10.14	43	54885	9.63	ug/L	100
69) 1,2-dichloroethane	10.20	62	25764	11.25	ug/L	100
70) trichloroethene	10.94	95	18430	10.73	ug/L	97
71) 2-nitropropane	11.78	41	8646	9.21	ug/L	96
72) 2-chloroethyl vinyl ether	11.80	63	64916	50.56	ug/L	98
73) methyl methacrylate	11.25	100	5051	11.18	ug/L	94
74) 1,2-dichloropropane	11.22	63	21032	10.93	ug/L	98
75) dibromomethane	11.38	93	12764	10.44	ug/L	99
76) methylcyclohexane	11.15	83	28047	9.73	ug/L	98
77) bromodichloromethane	11.54	83	26180	10.17	ug/L	98
79) cis-1,3-dichloropropene	12.02	75	32182	10.08	ug/L	98
81) 4-methyl-2-pentanone	12.14	58	10544	11.07	ug/L	99
82) toluene	12.40	92	44204	9.58	ug/L	99
83) 3-methyl-1-butanol	12.19	55	29990	219.87	ug/L	100
84) trans-1,3-dichloropropene	12.63	75	29829	10.57	ug/L	97
85) ethyl methacrylate	12.64	69	26976	10.86	ug/L	100
86) 1,1,2-trichloroethane	12.86	83	15259	10.07	ug/L	99
87) 2-hexanone	13.06	58	9590	9.92	ug/L	99
89) tetrachloroethene	13.03	164	15653	10.89	ug/L	98
90) 1,3-dichloropropane	13.05	76	29772	10.23	ug/L	97
91) butyl acetate	13.14	56	15778	9.66	ug/L	94
92) 3,3-DIMETHYL-1-BUTANOL	13.25	57	33112	90.46	ug/L	99
93) dibromochloromethane	13.33	129	21420	10.51	ug/L	98
94) 1,2-dibromoethane	13.48	107	18846	10.77	ug/L	98
95) chlorobenzene	13.98	112	50535	9.82	ug/L	98
96) 1,1,1,2-tetrachloroethane	14.05	131	20483	10.47	ug/L	100
97) ethylbenzene	14.04	91	87126	9.65	ug/L	100
98) m,p-xylene	14.16	106	65336	19.57	ug/L	96
99) o-xylene	14.60	106	33970	9.79	ug/L	100
100) styrene	14.62	104	55337	9.88	ug/L	98
102) bromoform	14.90	173	17345	10.01	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128181.D
Acq On : 12 May 2014 2:46 pm
Operator : mariceld
Sample : ic5716-10
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 12:58:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:29 2014
Response via : Initial Calibration

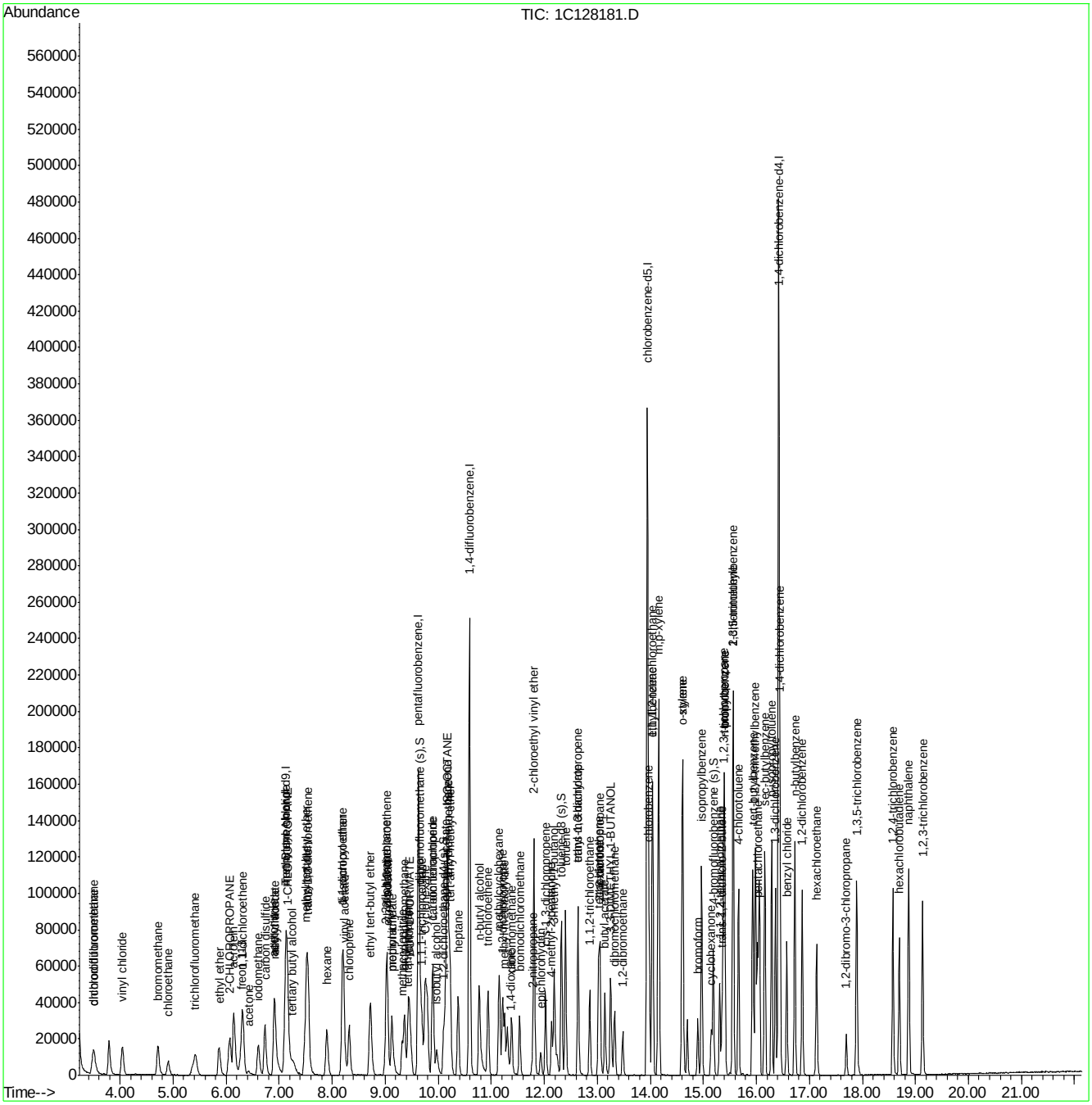
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.97	105	89043	9.64	ug/L	100
106) cyclohexanone	15.15	55	13165	69.63	ug/L	98
107) bromobenzene	15.39	156	24439	10.05	ug/L	95
108) 1,1,2,2-tetrachloroethane	15.31	83	31708	9.47	ug/L	99
109) trans-1,4-dichloro-2-buten	15.35	53	9021	10.21	ug/L	93
110) 1,2,3-trichloropropane	15.38	110	7339	10.04	ug/L	93
111) n-propylbenzene	15.41	91	102138	9.48	ug/L	100
112) 2-chlorotoluene	15.56	126	22087	10.28	ug/L	98
113) 4-chlorotoluene	15.66	91	65101	9.66	ug/L	98
114) 1,3,5-trimethylbenzene	15.57	105	77287	9.71	ug/L	99
115) tert-butylbenzene	15.93	119	65797	9.69	ug/L	98
116) pentachloroethane	16.02	167	16914	10.98	ug/L	97
117) 1,2,4-trimethylbenzene	15.98	105	75747	9.45	ug/L	97
118) sec-butylbenzene	16.16	105	102273	9.58	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	48194	9.49	ug/L	99
120) p-isopropyltoluene	16.29	119	87301	9.85	ug/L	99
122) 1,4-dichlorobenzene	16.45	146	49514	8.98	ug/L	100
123) benzyl chloride	16.57	91	59970	9.07	ug/L	100
124) 1,2-dichlorobenzene	16.86	146	48421	9.39	ug/L	98
125) n-butylbenzene	16.72	92	45268	9.69	ug/L	97
126) 1,2-dibromo-3-chloropropan	17.70	75	6784	10.62	ug/L	96
127) 1,3,5-trichlorobenzene	17.89	180	42317	9.73	ug/L	99
128) 1,2,4-trichlorobenzene	18.58	180	38920	9.75	ug/L	99
129) hexachlorobutadiene	18.70	225	21245	10.16	ug/L	98
130) naphthalene	18.87	128	103198	10.67	ug/L	99
131) 1,2,3-trichlorobenzene	19.13	180	37756	10.69	ug/L	100
132) hexachloroethane	17.14	201	16652	11.05	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128181.D
Acq On : 12 May 2014 2:46 pm
Operator : mariceld
Sample : ic5716-10
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 12:58:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128182.D
Acq On : 12 May 2014 3:14 pm
Operator : mariceld
Sample : ic5716-20
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 13 12:59:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.13	65	137703	500.00	ug/L		0.00
4) pentafluorobenzene	9.63	168	154292	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.59	114	236747	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	219230	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	134979	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.65	113	85396	43.09	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 86.18%				
53) 1,2-dichloroethane-d4 (s)	10.10	65	101867	47.07	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 94.14%				
80) toluene-d8 (s)	12.32	98	310281	39.26	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 78.52%				
105) 4-bromofluorobenzene (s)	15.19	95	121870	36.77	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 73.54%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.26	59	37066	107.69	ug/L		100
3) 1,4-dioxane	11.36	88	15101	615.05	ug/L		96
9) chlorodifluoromethane	3.50	51	33985	22.85	ug/L		99
10) dichlorodifluoromethane	3.49	85	54153	23.83	ug/L		94
12) chloromethane	3.79	50	67442	19.38	ug/L		99
13) vinyl chloride	4.05	62	62473	20.85	ug/L		98
14) bromomethane	4.71	94	37679	21.77	ug/L		98
15) chloroethane	4.90	64	26471	20.30	ug/L		95
19) trichlorofluoromethane	5.42	101	60796	22.17	ug/L		99
20) ethyl ether	5.86	74	21694	21.75	ug/L		96
22) acrolein	6.14	56	108682	232.97	ug/L		99
23) 1,1-dichloroethene	6.31	96	35688	21.16	ug/L		99
24) acetone	6.40	43	16098	19.23	ug/L		96
25) acetonitrile	6.89	40	57279	188.11	ug/L		78
26) allyl chloride	6.91	76	19446	5.60	ug/L	#	85
27) iodomethane	6.60	142	70130	21.34	ug/L		99
28) carbon disulfide	6.73	76	129652	13.18	ug/L		99
29) 2-CHLOROPROPANE	6.06	43	75442	22.26	ug/L	#	93
30) methylene chloride	7.13	84	41187	20.54	ug/L		99
31) methyl acetate	6.92	43	40788	24.91	ug/L		99
32) methyl tert butyl ether	7.50	73	123137	20.62	ug/L		99
33) trans-1,2-dichloroethene	7.54	96	36795	23.75	ug/L		100
34) 1-CHLOROPROPANE	7.15	42	86428	5.19	ug/L		99
35) di-isopropyl ether	8.19	45	140829	20.98	ug/L		78
36) 2-butanone	9.02	72	5768	23.28	ug/L	#	73
37) 1,1-dichloroethane	8.19	63	74760	21.06	ug/L		100
38) chloroprene	8.31	53	53851	23.90	ug/L		98
39) acrylonitrile	7.51	53	95859	122.28	ug/L		99
40) vinyl acetate	8.22	86	6284	23.17	ug/L		67
41) ethyl tert-butyl ether	8.72	59	129333	20.86	ug/L		99
42) ethyl acetate	9.05	45	8128	26.18	ug/L		88
43) 2,2-dichloropropane	9.01	77	56774	20.78	ug/L		99
44) cis-1,2-dichloroethene	9.02	96	41060	23.49	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128182.D
Acq On : 12 May 2014 3:14 pm
Operator : mariceld
Sample : ic5716-20
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 13 12:59:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) propionitrile	9.12	54	81445	253.64 ug/L	97
46) methylacrylate	9.12	55	56858	26.72 ug/L	97
47) bromochloromethane	9.36	128	20967	23.26 ug/L	98
48) tetrahydrofuran	9.42	72	6919	24.81 ug/L	96
49) chloroform	9.44	85	43282	21.16 ug/L	97
50) T-BUTYL FORMATE	9.46	59	39244	22.11 ug/L	99
51) isobutyl alcohol	9.97	43	33802	144.43 ug/L	99
54) freon 113	6.29	151	27404	21.60 ug/L	95
55) methacrylonitrile	9.31	67	19451	22.47 ug/L	96
56) 1,1,1-trichloroethane	9.69	97	57404	21.74 ug/L	96
57) Cyclohexane	9.76	84	58979	21.70 ug/L	98
59) ISO-OCTANE	10.18	57	158455	22.24 ug/L	100
60) epichlorohydrin	11.93	57	29781	112.52 ug/L	99
61) n-butyl alcohol	10.77	56	104013	1288.63 ug/L	99
62) carbon tetrachloride	9.90	117	52272	21.84 ug/L	99
63) 1,1-dichloropropene	9.89	75	52766	22.95 ug/L	99
64) hexane	7.90	57	44302	24.48 ug/L	99
65) benzene	10.17	78	152611	20.21 ug/L	100
66) tert-amyl methyl ether	10.22	73	128430	20.83 ug/L	99
67) heptane	10.37	57	28753	15.16 ug/L	97
68) isopropyl acetate	10.13	43	115380	20.90 ug/L	97
69) 1,2-dichloroethane	10.20	62	52834	23.27 ug/L	99
70) trichloroethene	10.93	95	38351	22.69 ug/L	99
71) 2-nitropropane	11.77	41	18686	20.77 ug/L	100
72) 2-chloroethyl vinyl ether	11.80	63	139373	111.27 ug/L	99
73) methyl methacrylate	11.25	100	11066	24.56 ug/L	95
74) 1,2-dichloropropane	11.22	63	42573	22.41 ug/L	98
75) dibromomethane	11.38	93	26192	21.84 ug/L	99
76) methylcyclohexane	11.15	83	61549	22.00 ug/L	97
77) bromodichloromethane	11.53	83	52853	21.04 ug/L	97
79) cis-1,3-dichloropropene	12.02	75	67327	21.64 ug/L	99
81) 4-methyl-2-pentanone	12.14	58	22433	23.76 ug/L	99
82) toluene	12.40	92	90790	20.32 ug/L	100
83) 3-methyl-1-butanol	12.18	55	66565	494.09 ug/L	99
84) trans-1,3-dichloropropene	12.63	75	62733	22.65 ug/L	97
85) ethyl methacrylate	12.64	69	59342	24.22 ug/L	100
86) 1,1,2-trichloroethane	12.85	83	32008	21.66 ug/L	98
87) 2-hexanone	13.05	58	21045	22.39 ug/L	96
89) tetrachloroethene	13.03	164	32813	22.62 ug/L	98
90) 1,3-dichloropropane	13.05	76	62761	21.56 ug/L	100
91) butyl acetate	13.14	56	34622	21.35 ug/L	92
92) 3,3-DIMETHYL-1-BUTANOL	13.25	57	76188	211.63 ug/L	100
93) dibromochloromethane	13.33	129	44504	21.75 ug/L	99
94) 1,2-dibromoethane	13.48	107	39668	22.49 ug/L	100
95) chlorobenzene	13.98	112	104331	20.38 ug/L	99
96) 1,1,1,2-tetrachloroethane	14.05	131	42407	21.60 ug/L	99
97) ethylbenzene	14.04	91	180313	20.14 ug/L	100
98) m,p-xylene	14.16	106	136029	41.00 ug/L	99
99) o-xylene	14.60	106	69842	20.25 ug/L	97
100) styrene	14.62	104	116828	20.96 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128182.D
Acq On : 12 May 2014 3:14 pm
Operator : mariceld
Sample : ic5716-20
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 13 12:59:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:41 2014
Response via : Initial Calibration

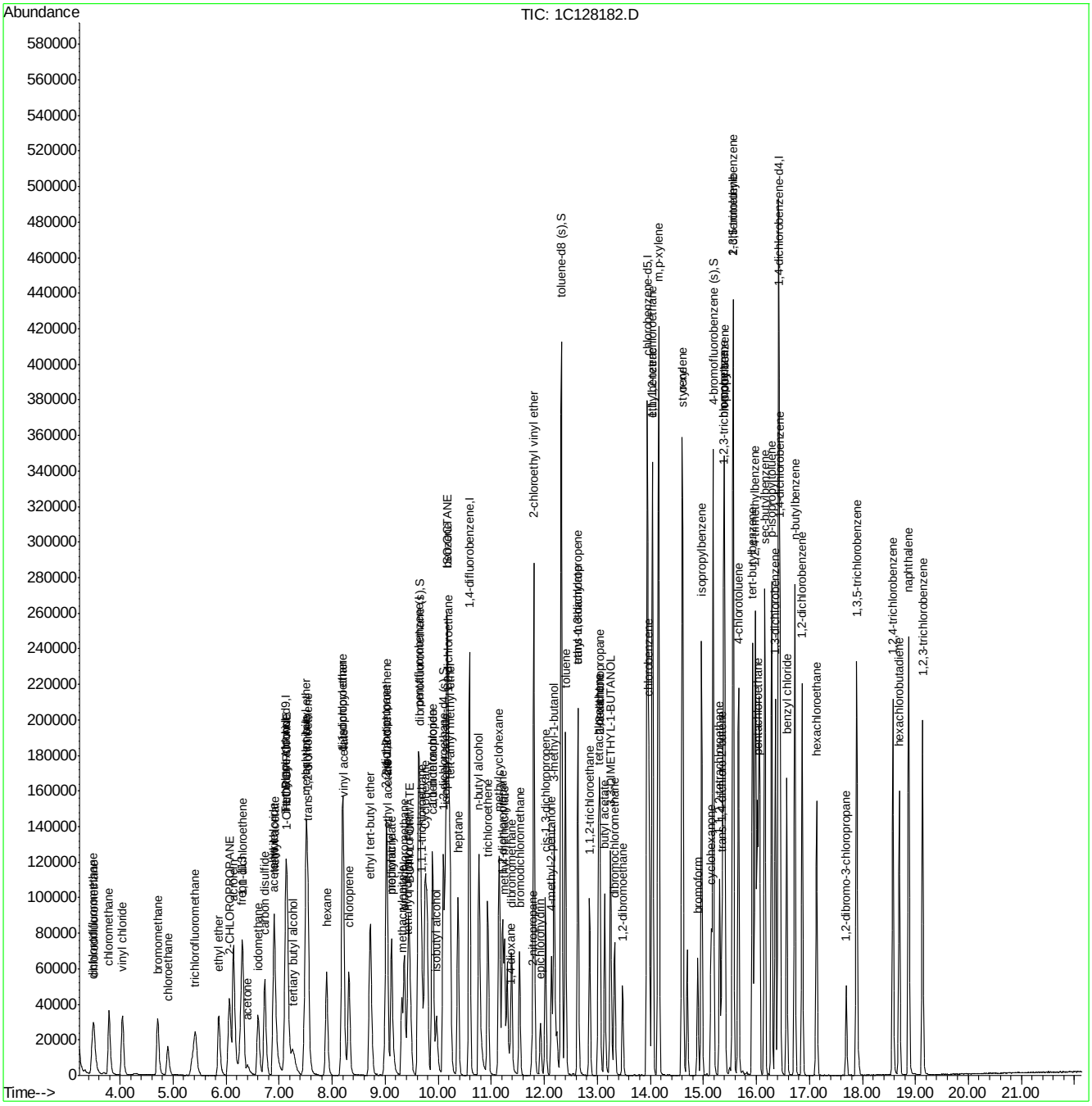
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	37256	21.57	ug/L	98
104) isopropylbenzene	14.97	105	184515	19.87	ug/L	99
106) cyclohexanone	15.15	55	41776	228.54	ug/L	99
107) bromobenzene	15.38	156	51042	20.75	ug/L	96
108) 1,1,2,2-tetrachloroethane	15.31	83	67185	20.01	ug/L	100
109) trans-1,4-dichloro-2-buten	15.35	53	19538	21.80	ug/L	98
110) 1,2,3-trichloropropane	15.38	110	15934	21.56	ug/L	96
111) n-propylbenzene	15.40	91	216192	20.00	ug/L	99
112) 2-chlorotoluene	15.56	126	47041	21.58	ug/L	96
113) 4-chlorotoluene	15.66	91	136321	20.11	ug/L	99
114) 1,3,5-trimethylbenzene	15.57	105	161071	20.10	ug/L	99
115) tert-butylbenzene	15.93	119	139980	20.49	ug/L	99
116) pentachloroethane	16.02	167	35614	22.56	ug/L	98
117) 1,2,4-trimethylbenzene	15.98	105	160191	19.93	ug/L	97
118) sec-butylbenzene	16.16	105	218299	20.35	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	99765	19.58	ug/L	99
120) p-isopropyltoluene	16.29	119	184697	20.67	ug/L	99
122) 1,4-dichlorobenzene	16.45	146	103166	18.79	ug/L	99
123) benzyl chloride	16.57	91	131315	19.92	ug/L	99
124) 1,2-dichlorobenzene	16.87	146	102605	19.86	ug/L	99
125) n-butylbenzene	16.73	92	96495	20.54	ug/L	99
126) 1,2-dibromo-3-chloropropan	17.70	75	14537	22.28	ug/L	97
127) 1,3,5-trichlorobenzene	17.89	180	90280	20.61	ug/L	100
128) 1,2,4-trichlorobenzene	18.58	180	81422	20.26	ug/L	99
129) hexachlorobutadiene	18.70	225	44629	21.08	ug/L	98
130) naphthalene	18.87	128	216831	22.25	ug/L	100
131) 1,2,3-trichlorobenzene	19.13	180	78248	21.97	ug/L	100
132) hexachloroethane	17.14	201	36301	23.48	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128182.D
Acq On : 12 May 2014 3:14 pm
Operator : mariceld
Sample : ic5716-20
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 13 12:59:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:41 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128183.D
Acq On : 12 May 2014 3:43 pm
Operator : mariceld
Sample : icc5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 13 08:39:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Mon Apr 28 09:57:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.13	65	140173	500.00	ug/L		-0.02
4) pentafluorobenzene	9.63	168	156127	50.00	ug/L		-0.02
58) 1,4-difluorobenzene	10.59	114	239506	50.00	ug/L		-0.01
88) chlorobenzene-d5	13.94	117	225053	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	139028	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.65	113	86453	63.78	ug/L		-0.02
Spiked Amount 50.000	Range 79 - 120		Recovery = 127.56%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	100583	65.91	ug/L		-0.02
Spiked Amount 50.000	Range 72 - 123		Recovery = 131.82%#				
80) toluene-d8 (s)	12.32	98	317287	52.51	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.02%				
105) 4-bromofluorobenzene (s)	15.19	95	124895	46.20	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 92.40%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.26	59	83602	178.52	ug/L		61
3) 1,4-dioxane	11.35	88	34518	1118.29	ug/L	#	81
9) chlorodifluoromethane	3.51	51	80143	69.00	ug/L		97
10) dichlorodifluoromethane	3.49	85	126104	84.74	ug/L		97
12) chloromethane	3.80	50	168492	81.05	ug/L		98
13) vinyl chloride	4.06	62	153908	80.46	ug/L		98
14) bromomethane	4.71	94	92675	77.05	ug/L		98
15) chloroethane	4.90	64	64483	79.10	ug/L		95
19) trichlorofluoromethane	5.41	101	144293	72.71	ug/L		98
20) ethyl ether	5.86	74	51771	70.51	ug/L		91
22) acrolein	6.14	56	257892	839.14	ug/L		99
23) 1,1-dichloroethene	6.31	96	85972	67.92	ug/L		91
24) acetone	6.40	43	39752	77.23	ug/L		96
25) acetonitrile	6.89	40	112403	832.03	ug/L		84
26) allyl chloride	6.91	76	45891	62.38	ug/L		99
27) iodomethane	6.60	142	170437	65.18	ug/L		98
28) carbon disulfide	6.73	76	310038	64.38	ug/L		99
29) 2-CHLOROPROPANE	6.06	43	178571	65.26	ug/L		94
30) methylene chloride	7.13	84	98538	66.91	ug/L		90
31) methyl acetate	6.91	43	96030	78.21	ug/L		96
32) methyl tert butyl ether	7.50	73	296290	78.37	ug/L		97
33) trans-1,2-dichloroethene	7.54	96	87977	63.57	ug/L		95
34) 1-CHLOROPROPANE	7.15	42	188909	63.91	ug/L		98
35) di-isopropyl ether	8.19	45	335304	69.04	ug/L		98
36) 2-butanone	9.01	72	13843	79.36	ug/L	#	80
37) 1,1-dichloroethane	8.19	63	177845	69.33	ug/L		99
38) chloroprene	8.31	53	127621	67.29	ug/L		97
39) acrylonitrile	7.51	53	227991	413.24	ug/L		98
40) vinyl acetate	8.21	86	16757	68.96	ug/L		73
41) ethyl tert-butyl ether	8.72	59	307837	76.61	ug/L		96
42) ethyl acetate	9.04	45	19211	81.42	ug/L		86
43) 2,2-dichloropropane	9.01	77	133271	71.78	ug/L		94
44) cis-1,2-dichloroethene	9.03	96	97735	63.52	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128183.D
Acq On : 12 May 2014 3:43 pm
Operator : mariceld
Sample : icc5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 13 08:39:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Mon Apr 28 09:57:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) propionitrile	9.11	54	189659	864.43	ug/L		95
46) methylacrylate	9.12	55	135689	77.10	ug/L		92
47) bromochloromethane	9.36	128	49873	64.55	ug/L		90
48) tetrahydrofuran	9.41	72	16180	81.39	ug/L		96
49) chloroform	9.44	85	102451	63.73	ug/L		98
50) T-BUTYL FORMATE	9.47	59	92730	87.75	ug/L		96
51) isobutyl alcohol	9.97	43	77011	943.68	ug/L		97
54) freon 113	6.29	151	64225	66.83	ug/L		90
55) methacrylonitrile	9.31	67	46335	72.78	ug/L		93
56) 1,1,1-trichloroethane	9.69	97	136811	62.17	ug/L		97
57) Cyclohexane	9.76	84	139479	70.81	ug/L		92
59) ISO-OCTANE	10.18	57	372627	77.57	ug/L		96
60) epichlorohydrin	11.93	57	69378	401.45	ug/L		99
61) n-butyl alcohol	10.77	56	240672	4623.74	ug/L		96
62) carbon tetrachloride	9.90	117	126304	57.95	ug/L		99
63) 1,1-dichloropropene	9.89	75	124643	56.96	ug/L		97
64) hexane	7.90	57	102261	58.75	ug/L		97
65) benzene	10.17	78	364772	56.16	ug/L		99
66) tert-amyl methyl ether	10.22	73	309119	72.19	ug/L		98
67) heptane	10.37	57	66129	59.54	ug/L		97
68) isopropyl acetate	10.13	43	295299	74.99	ug/L		98
69) 1,2-dichloroethane	10.20	62	125679	60.49	ug/L		98
70) trichloroethene	10.93	95	90888	52.43	ug/L		99
71) 2-nitropropane	11.77	41	44034	66.25	ug/L		98
72) 2-chloroethyl vinyl ether	11.80	63	334919	492.19	ug/L		98
73) methyl methacrylate	11.25	100	26730	55.79	ug/L	#	84
74) 1,2-dichloropropane	11.21	63	103193	57.27	ug/L		100
75) dibromomethane	11.38	93	62399	58.85	ug/L		95
76) methylcyclohexane	11.15	83	146836	61.92	ug/L		96
77) bromodichloromethane	11.53	83	128083	55.15	ug/L		100
79) cis-1,3-dichloropropene	12.02	75	161598	54.73	ug/L		99
81) 4-methyl-2-pentanone	12.13	58	52282	69.64	ug/L		94
82) toluene	12.40	92	220085	51.83	ug/L		99
83) 3-methyl-1-butanol	12.18	55	156711	2012.18	ug/L		98
84) trans-1,3-dichloropropene	12.63	75	151360	56.07	ug/L		97
85) ethyl methacrylate	12.63	69	141760	57.58	ug/L		97
86) 1,1,2-trichloroethane	12.85	83	76796	53.74	ug/L		100
87) 2-hexanone	13.05	58	50305	69.42	ug/L		99
89) tetrachloroethene	13.02	164	79439	44.94	ug/L		95
90) 1,3-dichloropropane	13.05	76	149362	55.66	ug/L		94
91) butyl acetate	13.14	56	81478	64.82	ug/L		96
92) 3,3-DIMETHYL-1-BUTANOL	13.25	57	175922	1160.92	ug/L		97
93) dibromochloromethane	13.32	129	109108	51.90	ug/L		99
94) 1,2-dibromoethane	13.48	107	95914	54.84	ug/L		98
95) chlorobenzene	13.98	112	252574	52.47	ug/L		100
96) 1,1,1,2-tetrachloroethane	14.05	131	103954	54.36	ug/L		98
97) ethylbenzene	14.04	91	438852	52.93	ug/L		100
98) m,p-xylene	14.16	106	331815	105.21	ug/L		98
99) o-xylene	14.60	106	172375	55.43	ug/L		99
100) styrene	14.62	104	286392	53.55	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128183.D
Acq On : 12 May 2014 3:43 pm
Operator : mariceld
Sample : icc5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 13 08:39:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Mon Apr 28 09:57:58 2014
Response via : Initial Calibration

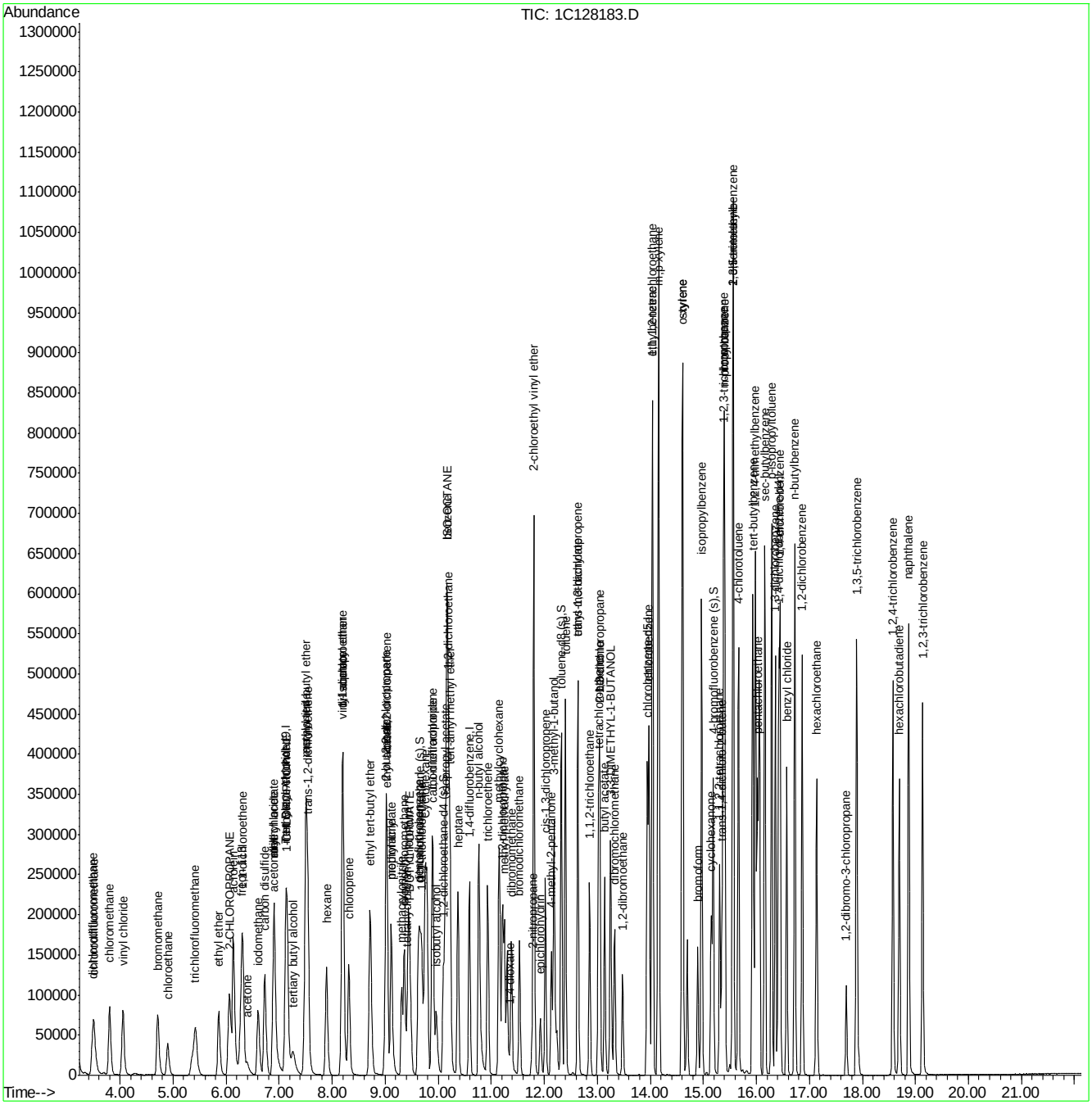
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.89	173	90758	54.36	ug/L	97
104) isopropylbenzene	14.97	105	451428	48.60	ug/L	99
106) cyclohexanone	15.15	55	103252	1131.74	ug/L	97
107) bromobenzene	15.38	156	124642	47.27	ug/L	88
108) 1,1,2,2-tetrachloroethane	15.31	83	155848	57.37	ug/L	99
109) trans-1,4-dichloro-2-buten	15.35	53	45521	62.09	ug/L	95
110) 1,2,3-trichloropropane	15.38	110	36638	55.92	ug/L	99
111) n-propylbenzene	15.41	91	524609	49.89	ug/L	99
112) 2-chlorotoluene	15.56	126	113059	48.30	ug/L	95
113) 4-chlorotoluene	15.66	91	329803	49.36	ug/L	98
114) 1,3,5-trimethylbenzene	15.57	105	397518	51.95	ug/L	100
115) tert-butylbenzene	15.93	119	343536	52.68	ug/L	97
116) pentachloroethane	16.02	167	86315	49.69	ug/L	97
117) 1,2,4-trimethylbenzene	15.98	105	395230	53.29	ug/L	98
118) sec-butylbenzene	16.16	105	531290	55.23	ug/L	100
119) 1,3-dichlorobenzene	16.36	146	243428	51.74	ug/L	98
120) p-isopropyltoluene	16.29	119	453798	56.26	ug/L	99
122) 1,4-dichlorobenzene	16.45	146	247960	51.64	ug/L	98
123) benzyl chloride	16.57	91	303017	69.96	ug/L	99
124) 1,2-dichlorobenzene	16.87	146	242974	54.00	ug/L	99
125) n-butylbenzene	16.73	92	232730	60.21	ug/L	99
126) 1,2-dibromo-3-chloropropan	17.70	75	33187	90.45	ug/L	92
127) 1,3,5-trichlorobenzene	17.89	180	213493	66.41	ug/L	100
128) 1,2,4-trichlorobenzene	18.58	180	191763	78.74	ug/L	99
129) hexachlorobutadiene	18.70	225	104056	67.77	ug/L	99
130) naphthalene	18.87	128	497940	100.99	ug/L	99
131) 1,2,3-trichlorobenzene	19.14	180	181940	119.22	ug/L	100
132) hexachloroethane	17.14	201	87654	55.87	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128183.D
Acq On : 12 May 2014 3:43 pm
Operator : mariceld
Sample : icc5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 13 08:39:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Mon Apr 28 09:57:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128184.D
Acq On : 12 May 2014 4:11 pm
Operator : mariceld
Sample : ic5716-100
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 12:59:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.14	65	143881	500.00	ug/L		0.01
4) pentafluorobenzene	9.63	168	155979	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.58	114	240189	50.00	ug/L		0.00
88) chlorobenzene-d5	13.94	117	231583	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.42	152	141585	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.65	113	169669	86.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 172.36%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	196388	90.52	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 181.04%#				
80) toluene-d8 (s)	12.32	98	633145	81.14	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 162.28%#				
105) 4-bromofluorobenzene (s)	15.19	95	260746	77.56	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 155.12%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.26	59	164179	450.73	ug/L		100
3) 1,4-dioxane	11.35	88	65901	2473.95	ug/L		94
9) chlorodifluoromethane	3.50	51	160781	104.78	ug/L		99
10) dichlorodifluoromethane	3.48	85	242862	102.90	ug/L		98
12) chloromethane	3.80	50	330234	94.24	ug/L		99
13) vinyl chloride	4.06	62	304269	99.93	ug/L		98
14) bromomethane	4.70	94	171257	96.82	ug/L		99
15) chloroethane	4.89	64	120230	90.99	ug/L		99
19) trichlorofluoromethane	5.42	101	280882	99.75	ug/L		99
20) ethyl ether	5.86	74	102858	100.55	ug/L		97
22) acrolein	6.13	56	506036	1051.34	ug/L		99
23) 1,1-dichloroethene	6.31	96	173461	100.91	ug/L		100
24) acetone	6.39	43	79501	94.56	ug/L		93
25) acetonitrile	6.89	40	219508	718.43	ug/L		99
26) allyl chloride	6.90	76	90371	28.29	ug/L		98
27) iodomethane	6.60	142	341092	101.81	ug/L		100
28) carbon disulfide	6.72	76	618101	64.93	ug/L		99
29) 2-CHLOROPROPANE	6.06	43	353053	101.60	ug/L		100
30) methylene chloride	7.12	84	194485	95.61	ug/L		99
31) methyl acetate	6.91	43	189493	110.58	ug/L		98
32) methyl tert butyl ether	7.49	73	590232	97.41	ug/L		97
33) trans-1,2-dichloroethene	7.53	96	173730	108.40	ug/L		99
34) 1-CHLOROPROPANE	7.15	42	356055	23.33	ug/L		97
35) di-isopropyl ether	8.19	45	663098	97.13	ug/L		83
36) 2-butanone	9.01	72	28139	107.92	ug/L	#	76
37) 1,1-dichloroethane	8.19	63	349640	96.68	ug/L		99
38) chloroprene	8.31	53	250407	107.34	ug/L		99
39) acrylonitrile	7.50	53	452756	555.81	ug/L		100
40) vinyl acetate	8.20	86	33674	118.13	ug/L		95
41) ethyl tert-butyl ether	8.72	59	611851	97.10	ug/L		98
42) ethyl acetate	9.04	45	38545	115.65	ug/L		85
43) 2,2-dichloropropane	9.01	77	265508	95.67	ug/L		99
44) cis-1,2-dichloroethene	9.02	96	193722	107.30	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128184.D
Acq On : 12 May 2014 4:11 pm
Operator : mariceld
Sample : ic5716-100
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 12:59:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) propionitrile	9.11	54	381878	1138.24 ug/L	93
46) methylacrylate	9.11	55	274844	121.91 ug/L	99
47) bromochloromethane	9.36	128	99327	106.51 ug/L	98
48) tetrahydrofuran	9.41	72	32691	110.63 ug/L	97
49) chloroform	9.44	85	203662	97.78 ug/L	99
50) T-BUTYL FORMATE	9.46	59	186838	102.57 ug/L	99
51) isobutyl alcohol	9.96	43	153502	672.15 ug/L	99
54) freon 113	6.28	151	126554	97.38 ug/L	98
55) methacrylonitrile	9.31	67	93930	104.76 ug/L	98
56) 1,1,1-trichloroethane	9.68	97	271579	100.63 ug/L	97
57) Cyclohexane	9.76	84	276147	99.45 ug/L	99
59) ISO-OCTANE	10.18	57	730065	99.62 ug/L	100
60) epichlorohydrin	11.92	57	140132	512.70 ug/L	99
61) n-butyl alcohol	10.77	56	480529	5663.68 ug/L	98
62) carbon tetrachloride	9.90	117	252622	102.87 ug/L	99
63) 1,1-dichloropropene	9.88	75	250396	105.39 ug/L	100
64) hexane	7.89	57	198874	105.35 ug/L	99
65) benzene	10.16	78	730239	95.20 ug/L	99
66) tert-amyl methyl ether	10.22	73	616382	98.03 ug/L	99
67) heptane	10.37	57	127643	68.41 ug/L	96
68) isopropyl acetate	10.13	43	553872	98.35 ug/L	99
69) 1,2-dichloroethane	10.19	62	250869	106.73 ug/L	99
70) trichloroethene	10.93	95	181243	103.95 ug/L	99
71) 2-nitropropane	11.77	41	88386	96.20 ug/L	100
72) 2-chloroethyl vinyl ether	11.80	63	674688	523.57 ug/L	100
73) methyl methacrylate	11.25	100	55294	116.54 ug/L	97
74) 1,2-dichloropropane	11.21	63	207269	105.95 ug/L	100
75) dibromomethane	11.38	93	125005	101.42 ug/L	99
76) methylcyclohexane	11.15	83	287350	100.00 ug/L	99
77) bromodichloromethane	11.53	83	256755	100.08 ug/L	99
79) cis-1,3-dichloropropene	12.02	75	327608	102.72 ug/L	99
81) 4-methyl-2-pentanone	12.13	58	106571	108.35 ug/L	96
82) toluene	12.40	92	443596	97.66 ug/L	99
83) 3-methyl-1-butanol	12.18	55	315318	2241.05 ug/L	99
84) trans-1,3-dichloropropene	12.63	75	307399	107.60 ug/L	99
85) ethyl methacrylate	12.63	69	290498	113.88 ug/L	99
86) 1,1,2-trichloroethane	12.85	83	155939	102.81 ug/L	98
87) 2-hexanone	13.05	58	103421	106.32 ug/L	99
89) tetrachloroethene	13.02	164	163522	104.98 ug/L	99
90) 1,3-dichloropropane	13.05	76	307062	98.90 ug/L	99
91) butyl acetate	13.14	56	165969	96.09 ug/L	95
92) 3,3-DIMETHYL-1-BUTANOL	13.25	57	354251	924.81 ug/L	99
93) dibromochloromethane	13.32	129	226175	103.50 ug/L	99
94) 1,2-dibromoethane	13.48	107	196141	103.67 ug/L	99
95) chlorobenzene	13.98	112	522009	96.29 ug/L	99
96) 1,1,1,2-tetrachloroethane	14.05	131	215585	102.92 ug/L	99
97) ethylbenzene	14.04	91	903966	95.49 ug/L	99
98) m,p-xylene	14.16	106	698862	198.78 ug/L	99
99) o-xylene	14.60	106	358745	98.29 ug/L	98
100) styrene	14.62	104	602375	101.68 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128184.D
Acq On : 12 May 2014 4:11 pm
Operator : mariceld
Sample : ic5716-100
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 12:59:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:52 2014
Response via : Initial Calibration

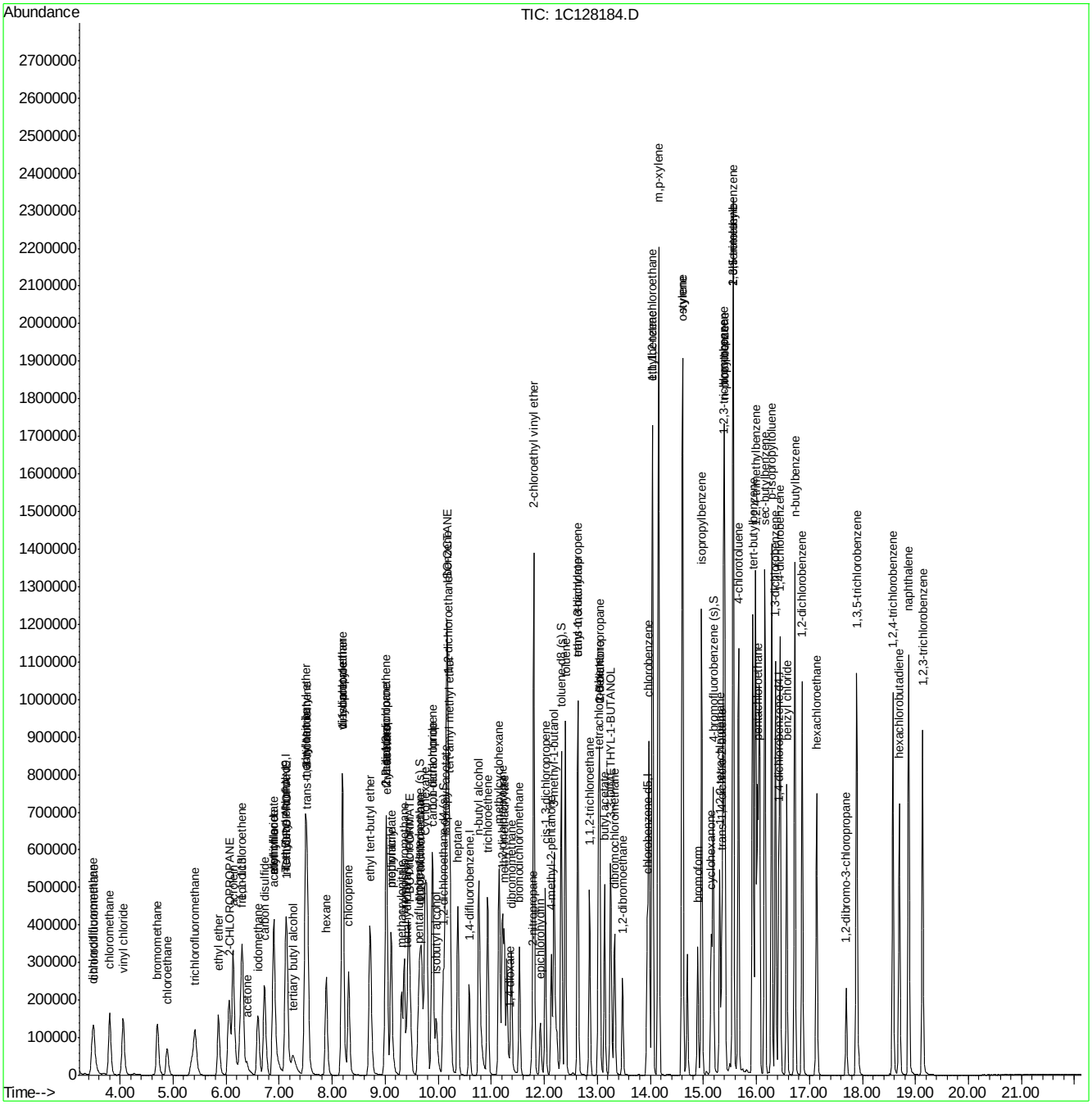
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	191157	103.75	ug/L	97
104) isopropylbenzene	14.97	105	944242	97.04	ug/L	99
106) cyclohexanone	15.15	55	197875	1013.91	ug/L	100
107) bromobenzene	15.38	156	265183	102.31	ug/L	99
108) 1,1,2,2-tetrachloroethane	15.31	83	325053	92.31	ug/L	99
109) trans-1,4-dichloro-2-buten	15.35	53	93896	98.39	ug/L	90
110) 1,2,3-trichloropropane	15.38	110	77754	99.18	ug/L	97
111) n-propylbenzene	15.41	91	1105521	97.49	ug/L	99
112) 2-chlorotoluene	15.56	126	244121	105.71	ug/L	97
113) 4-chlorotoluene	15.66	91	689587	96.92	ug/L	99
114) 1,3,5-trimethylbenzene	15.57	105	843443	100.29	ug/L	100
115) tert-butylbenzene	15.93	119	708125	98.52	ug/L	98
116) pentachloroethane	16.02	167	180984	107.59	ug/L	99
117) 1,2,4-trimethylbenzene	15.99	105	821306	97.47	ug/L	100
118) sec-butylbenzene	16.16	105	1100536	97.58	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	509482	95.59	ug/L	99
120) p-isopropyltoluene	16.29	119	940306	99.89	ug/L	100
122) 1,4-dichlorobenzene	16.45	146	517871	90.59	ug/L	99
123) benzyl chloride	16.57	91	627074	90.75	ug/L	100
124) 1,2-dichlorobenzene	16.87	146	502053	92.74	ug/L	99
125) n-butylbenzene	16.73	92	478358	96.73	ug/L	99
126) 1,2-dibromo-3-chloropropan	17.70	75	66556	95.69	ug/L	95
127) 1,3,5-trichlorobenzene	17.89	180	429542	93.13	ug/L	100
128) 1,2,4-trichlorobenzene	18.58	180	394039	93.33	ug/L	100
129) hexachlorobutadiene	18.70	225	204286	91.36	ug/L	99
130) naphthalene	18.87	128	998924	97.40	ug/L	100
131) 1,2,3-trichlorobenzene	19.13	180	366548	97.92	ug/L	99
132) hexachloroethane	17.14	201	179880	108.57	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128184.D
Acq On : 12 May 2014 4:11 pm
Operator : mariceld
Sample : ic5716-100
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 12:59:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:41:52 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128185.D
Acq On : 12 May 2014 4:39 pm
Operator : mariceld
Sample : ic5716-200
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 13 12:59:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:42:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.15	65	150967	500.00	ug/L		0.03
4) pentafluorobenzene	9.63	168	162354	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.59	114	252283	50.00	ug/L		0.00
88) chlorobenzene-d5	13.95	117	246462	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.43	152	150660	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.65	113	362629	179.72	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 359.44%#				
53) 1,2-dichloroethane-d4 (s)	10.10	65	407277	182.51	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 365.02%#				
80) toluene-d8 (s)	12.32	98	1366697	170.33	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 340.66%#				
105) 4-bromofluorobenzene (s)	15.19	95	570652	163.59	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 327.18%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.28	59	322068	854.72	ug/L		100
3) 1,4-dioxane	11.35	88	134636	4824.23	ug/L		90
9) chlorodifluoromethane	3.51	51	341074	212.29	ug/L		99
10) dichlorodifluoromethane	3.49	85	511372	207.41	ug/L		99
12) chloromethane	3.82	50	662211	182.72	ug/L		99
13) vinyl chloride	4.08	62	615051	194.07	ug/L		99
14) bromomethane	4.71	94	287158	156.52	ug/L		99
15) chloroethane	4.88	64	195393	143.69	ug/L		98
19) trichlorofluoromethane	5.41	101	599191	204.51	ug/L		99
20) ethyl ether	5.86	74	207053	194.30	ug/L		97
22) acrolein	6.14	56	1055346	2094.54	ug/L		100
23) 1,1-dichloroethene	6.32	96	357228	199.43	ug/L		98
24) acetone	6.40	43	164312	189.24	ug/L		95
25) acetonitrile	6.89	40	437520	1420.17	ug/L		98
26) allyl chloride	6.90	76	190620	62.30	ug/L		95
27) iodomethane	6.60	142	698283	199.83	ug/L		100
28) carbon disulfide	6.73	76	1256062	131.90	ug/L		99
29) 2-CHLOROPROPANE	6.06	43	707787	195.33	ug/L		99
30) methylene chloride	7.13	84	396632	188.24	ug/L		99
31) methyl acetate	6.91	43	385238	213.17	ug/L		99
32) methyl tert butyl ether	7.50	73	1161620	184.72	ug/L		97
33) trans-1,2-dichloroethene	7.54	96	362791	215.47	ug/L		99
34) 1-CHLOROPROPANE	7.15	42	715036	49.20	ug/L		97
35) di-isopropyl ether	8.20	45	1346899	190.14	ug/L	#	71
36) 2-butanone	9.01	72	56953	206.58	ug/L	#	87
37) 1,1-dichloroethane	8.19	63	712935	190.19	ug/L		99
38) chloroprene	8.31	53	528203	215.76	ug/L		99
39) acrylonitrile	7.51	53	904811	1054.07	ug/L		100
40) vinyl acetate	8.21	86	70183	228.26	ug/L		97
41) ethyl tert-butyl ether	8.72	59	1238887	189.49	ug/L		98
42) ethyl acetate	9.04	45	79644	223.74	ug/L		97
43) 2,2-dichloropropane	9.01	77	540250	187.93	ug/L		99
44) cis-1,2-dichloroethene	9.02	96	401350	211.86	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128185.D
Acq On : 12 May 2014 4:39 pm
Operator : mariceld
Sample : ic5716-200
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 13 12:59:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:42:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) propionitrile	9.11	54	760384	2144.50	ug/L	89
46) methylacrylate	9.11	55	548094	227.34	ug/L	99
47) bromochloromethane	9.36	128	203859	208.32	ug/L	99
48) tetrahydrofuran	9.41	72	67452	215.49	ug/L	98
49) chloroform	9.44	85	419261	193.87	ug/L	97
50) T-BUTYL FORMATE	9.47	59	367637	193.28	ug/L	99
51) isobutyl alcohol	9.97	43	302420	1320.33	ug/L	99
54) freon 113	6.28	151	267306	198.35	ug/L	98
55) methacrylonitrile	9.31	67	191015	203.07	ug/L	99
56) 1,1,1-trichloroethane	9.69	97	553828	197.02	ug/L	98
57) Cyclohexane	9.76	84	577890	200.06	ug/L	99
59) ISO-OCTANE	10.18	57	1560024	202.76	ug/L	99
60) epichlorohydrin	11.93	57	290644	1009.19	ug/L	100
61) n-butyl alcohol	10.77	56	966051	10682.82	ug/L	98
62) carbon tetrachloride	9.90	117	520674	201.22	ug/L	100
63) 1,1-dichloropropene	9.89	75	520348	207.26	ug/L	99
64) hexane	7.89	57	430523	215.85	ug/L	99
65) benzene	10.16	78	1510388	188.48	ug/L	99
66) tert-amyl methyl ether	10.22	73	1265556	192.05	ug/L	100
67) heptane	10.37	57	276712	146.34	ug/L	96
68) isopropyl acetate	10.13	43	1148198	194.47	ug/L	99
69) 1,2-dichloroethane	10.19	62	507174	203.91	ug/L	99
70) trichloroethene	10.93	95	378432	205.73	ug/L	99
71) 2-nitropropane	11.78	41	175710	183.07	ug/L	100
72) 2-chloroethyl vinyl ether	11.81	63	1383035	1016.48	ug/L	98
73) methyl methacrylate	11.25	100	113372	222.25	ug/L	97
74) 1,2-dichloropropane	11.21	63	422211	204.12	ug/L	98
75) dibromomethane	11.38	93	257570	198.60	ug/L	97
76) methylcyclohexane	11.15	83	617427	204.56	ug/L	99
77) bromodichloromethane	11.53	83	528828	196.23	ug/L	99
79) cis-1,3-dichloropropene	12.02	75	672403	200.12	ug/L	99
81) 4-methyl-2-pentanone	12.14	58	217548	208.39	ug/L	99
82) toluene	12.40	92	927854	194.99	ug/L	98
83) 3-methyl-1-butanol	12.19	55	644053	4300.44	ug/L	99
84) trans-1,3-dichloropropene	12.63	75	633353	209.31	ug/L	96
85) ethyl methacrylate	12.64	69	607326	223.22	ug/L	97
86) 1,1,2-trichloroethane	12.86	83	323714	202.49	ug/L	98
87) 2-hexanone	13.05	58	216026	209.54	ug/L	98
89) tetrachloroethene	13.03	164	348363	208.99	ug/L	99
90) 1,3-dichloropropane	13.05	76	633547	191.98	ug/L	98
91) butyl acetate	13.14	56	354181	193.52	ug/L	99
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	696930	1723.97	ug/L	98
93) dibromochloromethane	13.33	129	471928	202.13	ug/L	99
94) 1,2-dibromoethane	13.48	107	407240	201.42	ug/L	99
95) chlorobenzene	13.98	112	1100216	191.49	ug/L	99
96) 1,1,1,2-tetrachloroethane	14.05	131	453081	202.59	ug/L	97
97) ethylbenzene	14.04	91	1933102	192.84	ug/L	98
98) m,p-xylene	14.16	106	1510964	404.09	ug/L	99
99) o-xylene	14.61	106	760830	196.25	ug/L	97
100) styrene	14.62	104	1287084	203.76	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128185.D
Acq On : 12 May 2014 4:39 pm
Operator : mariceld
Sample : ic5716-200
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 13 12:59:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:42:05 2014
Response via : Initial Calibration

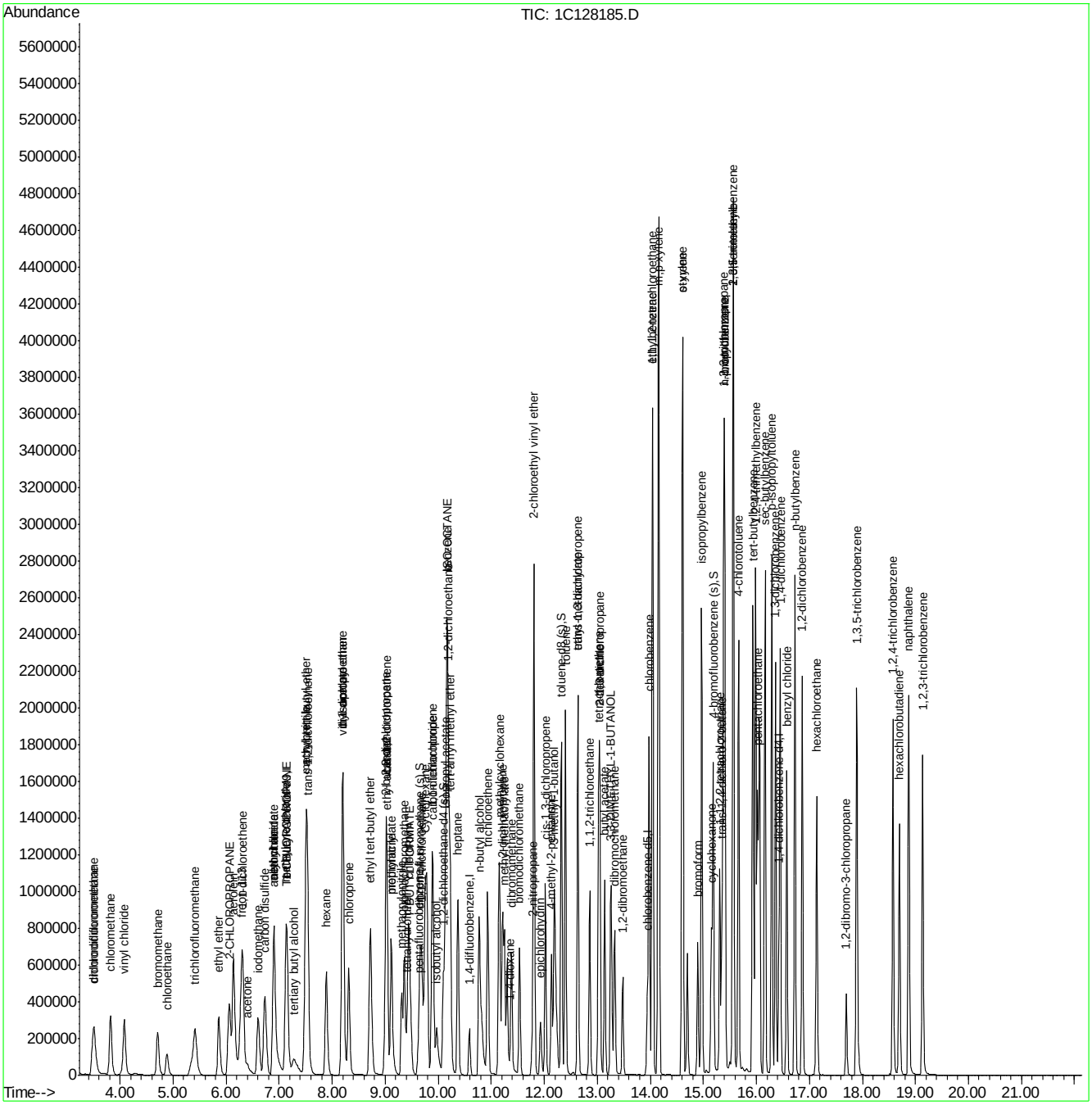
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	400596	203.45	ug/L	97
104) isopropylbenzene	14.97	105	1981195	191.97	ug/L	98
106) cyclohexanone	15.15	55	407777	1960.55	ug/L	99
107) bromobenzene	15.39	156	569219	205.86	ug/L	93
108) 1,1,2,2-tetrachloroethane	15.31	83	657592	177.01	ug/L	99
109) trans-1,4-dichloro-2-buten	15.35	53	193562	191.04	ug/L	99
110) 1,2,3-trichloropropane	15.38	110	163052	195.66	ug/L	100
111) n-propylbenzene	15.41	91	2319955	192.80	ug/L	99
112) 2-chlorotoluene	15.56	126	517374	209.22	ug/L	97
113) 4-chlorotoluene	15.67	91	1450954	192.31	ug/L	97
114) 1,3,5-trimethylbenzene	15.57	105	1747291	195.19	ug/L	99
115) tert-butylbenzene	15.93	119	1470436	192.58	ug/L	99
116) pentachloroethane	16.02	167	371390	205.75	ug/L	99
117) 1,2,4-trimethylbenzene	15.99	105	1675771	187.42	ug/L	100
118) sec-butylbenzene	16.16	105	2238108	186.99	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	1039603	184.21	ug/L	100
120) p-isopropyltoluene	16.29	119	1881443	187.86	ug/L	99
122) 1,4-dichlorobenzene	16.45	146	1064449	176.83	ug/L	99
123) benzyl chloride	16.57	91	1322372	181.71	ug/L	99
124) 1,2-dichlorobenzene	16.86	146	1005702	176.01	ug/L	99
125) n-butylbenzene	16.73	92	955907	182.32	ug/L	98
126) 1,2-dibromo-3-chloropropan	17.70	75	126313	171.59	ug/L	95
127) 1,3,5-trichlorobenzene	17.90	180	846633	173.83	ug/L	100
128) 1,2,4-trichlorobenzene	18.58	180	765738	171.71	ug/L	100
129) hexachlorobutadiene	18.70	225	391271	166.04	ug/L	99
130) naphthalene	18.87	128	1893488	177.66	ug/L	100
131) 1,2,3-trichlorobenzene	19.13	180	695602	178.00	ug/L	100
132) hexachloroethane	17.14	201	362154	203.48	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128185.D
Acq On : 12 May 2014 4:39 pm
Operator : mariceld
Sample : ic5716-200
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 13 12:59:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 08:42:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128188.D
Acq On : 12 May 2014 6:09 pm
Operator : mariceld
Sample : icv5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 13 13:10:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.14	65	144112	500.00	ug/L	0.01
4) pentafluorobenzene	9.63	168	165916	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.59	114	259137	50.00	ug/L	0.00
88) chlorobenzene-d5	13.94	117	234327	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.42	152	141721	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.66	113	90536	46.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 92.92%			
53) 1,2-dichloroethane-d4 (s)	10.10	65	103803	45.96	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 91.92%			
80) toluene-d8 (s)	12.32	98	327625	45.13	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 90.26%			
105) 4-bromofluorobenzene (s)	15.19	95	125482	44.98	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 89.96%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.27	59	82794	234.43	ug/L	100
3) 1,4-dioxane	11.35	88	32779	1186.54	ug/L	96
9) chlorodifluoromethane	3.51	51	83862	47.75	ug/L	99
10) dichlorodifluoromethane	3.49	85	123228	44.31	ug/L	96
12) chloromethane	3.80	50	167203	45.54	ug/L	99
13) vinyl chloride	4.06	62	154077	47.72	ug/L	98
14) bromomethane	4.71	94	93080	47.23	ug/L	100
15) chloroethane	4.90	64	65592	47.68	ug/L	99
19) trichlorofluoromethane	5.42	101	144254	45.81	ug/L	98
20) ethyl ether	5.86	74	55362	51.02	ug/L	97
22) acrolein	6.14	56	263851	477.54	ug/L	99
23) 1,1-dichloroethene	6.31	96	90086	49.23	ug/L	97
24) acetone	6.40	43	40004	45.35	ug/L	92
25) acetonitrile	6.90	40	120551	456.80	ug/L	92
26) allyl chloride	6.91	76	57022	59.02	ug/L	93
27) iodomethane	6.61	142	175769	48.24	ug/L	99
28) carbon disulfide	6.73	76	329698	47.41	ug/L	98
29) 2-CHLOROPROPANE	6.06	43	186251	48.44	ug/L	98
30) methylene chloride	7.13	84	100326	46.87	ug/L	98
31) methyl acetate	6.92	43	93783	46.42	ug/L	98
32) methyl tert butyl ether	7.50	73	588286	92.24	ug/L	98
33) trans-1,2-dichloroethene	7.54	96	91506	49.05	ug/L	99
34) 1-CHLOROPROPANE	7.16	42	195695	49.73	ug/L	99
35) di-isopropyl ether	8.19	45	350514	48.66	ug/L	99
36) 2-butanone	9.02	72	14353	50.67	ug/L #	21
37) 1,1-dichloroethane	8.19	63	188065	49.36	ug/L	100
38) chloroprene	8.31	53	128337	45.73	ug/L	99
39) acrylonitrile	7.51	53	239310	247.16	ug/L	98
40) vinyl acetate	8.21	86	18595	54.98	ug/L	83
41) ethyl tert-butyl ether	8.72	59	314310	47.29	ug/L	99
42) ethyl acetate	9.04	45	19322	48.73	ug/L	80
43) 2,2-dichloropropane	9.01	77	137386	46.09	ug/L	98
44) cis-1,2-dichloroethene	9.03	96	101944	49.29	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128188.D
Acq On : 12 May 2014 6:09 pm
Operator : mariceld
Sample : icv5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 13 13:10:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) propionitrile	9.11	54	200748	503.44 ug/L	95
46) methylacrylate	9.12	55	140018	50.26 ug/L	97
47) bromochloromethane	9.36	128	52389	49.62 ug/L	100
48) tetrahydrofuran	9.41	72	17024	49.20 ug/L	98
49) chloroform	9.44	85	107807	48.93 ug/L	98
50) T-BUTYL FORMATE	9.47	59	100076	49.38 ug/L	99
51) isobutyl alcohol	9.97	43	75816	470.81 ug/L	96
54) freon 113	6.29	151	69370	50.42 ug/L	98
55) methacrylonitrile	9.31	67	47742	49.56 ug/L	98
56) 1,1,1-trichloroethane	9.69	97	140116	47.69 ug/L	98
57) Cyclohexane	9.76	84	136666	44.64 ug/L	97
59) ISO-OCTANE	10.18	57	349071	41.56 ug/L	96
60) epichlorohydrin	11.93	57	68192	221.84 ug/L	99
61) n-butyl alcohol	10.77	56	229821	2201.90 ug/L	98
62) carbon tetrachloride	9.90	117	128566	46.77 ug/L	99
63) 1,1-dichloropropene	9.89	75	126886	47.16 ug/L	99
65) benzene	10.17	78	387765	47.38 ug/L	98
66) tert-amyl methyl ether	10.22	73	303638	45.04 ug/L	100
68) isopropyl acetate	10.13	43	281312	45.53 ug/L	99
69) 1,2-dichloroethane	10.19	62	130171	48.46 ug/L	97
70) trichloroethene	10.93	95	95939	48.94 ug/L	99
71) 2-nitropropane	11.78	41	45492	46.64 ug/L	96
72) 2-chloroethyl vinyl ether	11.80	63	372174	259.95 ug/L	100
73) methyl methacrylate	11.25	100	27311	47.95 ug/L	95
74) 1,2-dichloropropane	11.22	63	108153	48.82 ug/L	98
75) dibromomethane	11.38	93	64801	48.68 ug/L	99
76) methylcyclohexane	11.15	83	144212	43.52 ug/L	96
77) bromodichloromethane	11.54	83	133799	48.43 ug/L	100
79) cis-1,3-dichloropropene	12.02	75	164142	47.56 ug/L	99
81) 4-methyl-2-pentanone	12.14	58	53751	46.96 ug/L	99
82) toluene	12.40	92	226799	46.52 ug/L	100
83) 3-methyl-1-butanol	12.18	55	150644	881.11 ug/L	99
84) trans-1,3-dichloropropene	12.63	75	146379	44.31 ug/L	99
85) ethyl methacrylate	12.63	69	137869	45.08 ug/L	98
86) 1,1,2-trichloroethane	12.85	83	78359	46.24 ug/L	98
87) 2-hexanone	13.05	58	48344	45.38 ug/L	98
89) tetrachloroethene	13.03	164	82710	48.95 ug/L	97
90) 1,3-dichloropropane	13.05	76	150581	48.19 ug/L	97
92) 3,3-DIMETHYL-1-BUTANOL	13.25	57	173293	457.18 ug/L	99
93) dibromochloromethane	13.33	129	105876	45.62 ug/L	97
94) 1,2-dibromoethane	13.48	107	95587	47.76 ug/L	98
95) chlorobenzene	13.98	112	258758	47.57 ug/L	99
96) 1,1,1,2-tetrachloroethane	14.05	131	103987	46.82 ug/L	99
97) ethylbenzene	14.04	91	442504	46.60 ug/L	100
98) m,p-xylene	14.16	106	339048	95.27 ug/L	99
99) o-xylene	14.60	106	172496	46.89 ug/L	100
100) styrene	14.62	104	286773	47.66 ug/L	99
102) bromoform	14.89	173	82668	43.27 ug/L	99
104) isopropylbenzene	14.97	105	457820	47.35 ug/L	99
106) cyclohexanone	15.15	55	54020	277.82 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128188.D
Acq On : 12 May 2014 6:09 pm
Operator : mariceld
Sample : icv5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 13 13:10:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

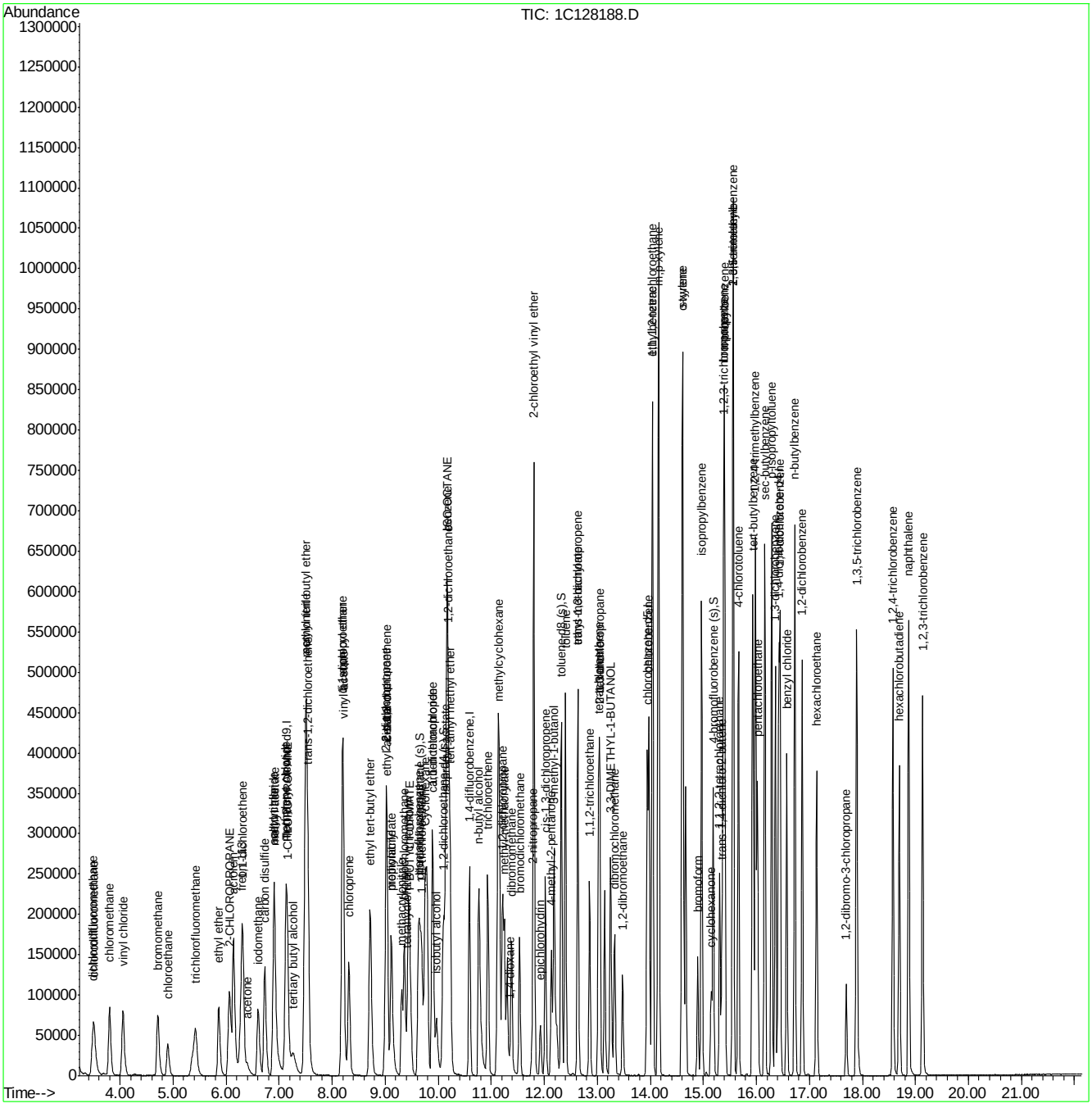
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) bromobenzene	15.38	156	126262	48.40	ug/L	98
108) 1,1,2,2-tetrachloroethane	15.31	83	151467	43.85	ug/L	100
109) trans-1,4-dichloro-2-buten	15.35	53	42608	44.96	ug/L	89
110) 1,2,3-trichloropropane	15.38	110	36385	45.03	ug/L	98
111) n-propylbenzene	15.41	91	558706	49.54	ug/L	99
112) 2-chlorotoluene	15.56	126	114834	47.65	ug/L	95
113) 4-chlorotoluene	15.66	91	330409	46.73	ug/L	99
114) 1,3,5-trimethylbenzene	15.57	105	397269	47.29	ug/L	99
115) tert-butylbenzene	15.93	119	348947	48.76	ug/L	98
116) pentachloroethane	16.02	167	88171	49.32	ug/L	98
117) 1,2,4-trimethylbenzene	15.98	105	408337	48.86	ug/L	99
118) sec-butylbenzene	16.16	105	532287	47.59	ug/L	100
119) 1,3-dichlorobenzene	16.36	146	240448	45.65	ug/L	99
120) p-isopropyltoluene	16.29	119	456716	48.77	ug/L	99
122) 1,4-dichlorobenzene	16.45	146	247203	45.38	ug/L	98
123) benzyl chloride	16.57	91	314668	46.39	ug/L	100
124) 1,2-dichlorobenzene	16.87	146	244052	45.96	ug/L	99
125) n-butylbenzene	16.72	92	240940	49.29	ug/L	99
126) 1,2-dibromo-3-chloropropan	17.70	75	32619	46.65	ug/L	93
127) 1,3,5-trichlorobenzene	17.89	180	222103	49.12	ug/L	100
128) 1,2,4-trichlorobenzene	18.58	180	198648	48.03	ug/L	100
129) hexachlorobutadiene	18.70	225	107905	49.52	ug/L	100
130) naphthalene	18.87	128	506402	46.64	ug/L	100
131) 1,2,3-trichlorobenzene	19.14	180	189339	47.83	ug/L	99
132) hexachloroethane	17.14	201	90911	51.71	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : 1C128188.D
Acq On : 12 May 2014 6:09 pm
Operator : mariceld
Sample : icv5716-50
Misc : MS66796,V1C5716,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 13 13:10:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128735.D
Acq On : 30 May 2014 10:43 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 14:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.126	65	115272	500.00	ug/L	0.00
4) pentafluorobenzene	9.621	168	152092	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	230420	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	218112	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	134505	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.652	113	92856	51.98	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.96%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	109780	53.03	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 106.06%			
80) toluene-d8 (s)	12.320	98	342353	53.04	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.08%			
105) 4-bromofluorobenzene (s)	15.186	95	133054	50.25	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 100.50%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.267	59	28662	101.46	ug/L	100
3) 1,4-dioxane	11.352	88	9646	436.53	ug/L	89
9) chlorodifluoromethane	3.502	51	41799	25.96	ug/L	96
10) dichlorodifluoromethane	3.486	85	48519	19.03	ug/L	97
12) chloromethane	3.789	50	63151	18.76	ug/L	99
13) vinyl chloride	4.046	62	62094	20.98	ug/L	98
14) bromomethane	4.715	94	39159	21.68	ug/L	99
15) chloroethane	4.909	64	26982	21.40	ug/L	99
19) trichlorofluoromethane	5.421	101	66440	23.02	ug/L	98
20) ethyl ether	5.860	74	21123	21.24	ug/L	96
22) acrolein	6.138	56	100044	197.53	ug/L	100
23) 1,1-dichloroethene	6.310	96	38115	22.72	ug/L	99
24) acetone	6.410	43	17721	21.92	ug/L	95
25) acetonitrile	6.901	40	43792	181.02	ug/L	96
26) allyl chloride	6.907	76	19651	22.19	ug/L	93
27) iodomethane	6.603	142	75816	22.70	ug/L	99
28) carbon disulfide	6.723	76	141522	22.20	ug/L	99
29) 2-CHLOROPROPANE	6.059	43	78128	22.17	ug/L	99
30) methylene chloride	7.121	84	42001	21.40	ug/L	93
31) methyl acetate	6.917	43	40076	21.64	ug/L	100
32) methyl tert butyl ether	7.498	73	123925	21.20	ug/L	96
33) trans-1,2-dichloroethene	7.539	96	39273	22.97	ug/L	98
34) 1-CHLOROPROPANE	7.152	42	85425	21.08	ug/L	98
35) di-isopropyl ether	8.193	45	141247	21.39	ug/L	79
36) 2-butanone	9.025	72	5855	22.55	ug/L #	1
37) 1,1-dichloroethane	8.193	63	76157	21.81	ug/L	99
38) chloroprene	8.313	53	57166	22.22	ug/L	98
39) acrylonitrile	7.513	53	95761	107.89	ug/L	99
40) vinyl acetate	8.214	86	5835	18.82	ug/L	82
41) ethyl tert-butyl ether	8.716	59	132064	21.68	ug/L	99
42) ethyl acetate	9.046	45	7092	19.51	ug/L	87
43) 2,2-dichloropropane	9.014	77	63081	23.09	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128735.D
Acq On : 30 May 2014 10:43 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 14:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) cis-1,2-dichloroethene	9.025	96	42573	22.46	ug/L		97
45) propionitrile	9.114	54	79990	218.83	ug/L		92
46) methylacrylate	9.124	55	54739	21.43	ug/L		95
47) bromochloromethane	9.360	128	21281	21.99	ug/L		96
48) tetrahydrofuran	9.422	72	6465	20.38	ug/L		86
49) chloroform	9.438	85	44522	22.04	ug/L		99
50) T-BUTYL FORMATE	9.469	59	37797	20.34	ug/L		97
51) isobutyl alcohol	9.971	43	25589	173.35	ug/L		97
54) freon 113	6.289	151	31825	25.23	ug/L		95
55) methacrylonitrile	9.312	67	19212	21.75	ug/L		99
56) 1,1,1-trichloroethane	9.689	97	61163	22.71	ug/L		98
57) Cyclohexane	9.757	84	61362	21.86	ug/L		98
59) ISO-OCTANE	10.175	57	161527	21.63	ug/L		99
60) epichlorohydrin	11.928	57	26323	96.30	ug/L		100
61) n-butyl alcohol	10.766	56	76585	825.20	ug/L		98
62) carbon tetrachloride	9.903	117	55570	22.73	ug/L		99
63) 1,1-dichloropropene	9.888	75	53721	22.46	ug/L		98
64) hexane	7.895	57	50936	24.32	ug/L		99
65) benzene	10.160	78	157652	21.66	ug/L		100
66) tert-amyl methyl ether	10.223	73	126425	21.09	ug/L		99
67) heptane	10.374	57	29642	22.43	ug/L		97
68) isopropyl acetate	10.134	43	110693	20.15	ug/L		97
69) 1,2-dichloroethane	10.191	62	54171	22.68	ug/L		99
70) trichloroethene	10.934	95	39719	22.79	ug/L		97
71) 2-nitropropane	11.771	41	18859	21.74	ug/L		99
72) 2-chloroethyl vinyl ether	11.802	63	149185	117.19	ug/L		99
73) methyl methacrylate	11.253	100	10599	20.93	ug/L	#	77
74) 1,2-dichloropropane	11.211	63	42591	21.62	ug/L		97
75) dibromomethane	11.384	93	26326	22.24	ug/L		99
76) methylcyclohexane	11.148	83	66426	22.55	ug/L		99
77) bromodichloromethane	11.530	83	53872	21.93	ug/L		99
79) cis-1,3-dichloropropene	12.022	75	65802	21.44	ug/L		98
81) 4-methyl-2-pentanone	12.137	58	21900	21.52	ug/L		99
82) toluene	12.398	92	93921	21.66	ug/L		98
83) 3-methyl-1-butanol	12.184	55	50597	332.82	ug/L		98
84) trans-1,3-dichloropropene	12.628	75	61155	20.82	ug/L		97
85) ethyl methacrylate	12.634	69	57690	21.22	ug/L		100
86) 1,1,2-trichloroethane	12.853	83	32711	21.71	ug/L		97
87) 2-hexanone	13.052	58	20263	21.39	ug/L		95
89) tetrachloroethene	13.021	164	34428	21.89	ug/L		98
90) 1,3-dichloropropane	13.047	76	61796	21.24	ug/L		96
91) butyl acetate	13.141	56	30316	18.65	ug/L		94
92) 3,3-DIMETHYL-1-BUTANOL	13.251	57	59447	168.49	ug/L		99
93) dibromochloromethane	13.324	129	44442	20.57	ug/L		99
94) 1,2-dibromoethane	13.476	107	39692	21.31	ug/L		100
95) chlorobenzene	13.973	112	107955	21.32	ug/L		99
96) 1,1,1,2-tetrachloroethane	14.046	131	43720	21.15	ug/L		97
97) ethylbenzene	14.041	91	186111	21.05	ug/L		99
98) m,p-xylene	14.156	106	141296	42.66	ug/L		99
99) o-xylene	14.600	106	73072	21.34	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128735.D
Acq On : 30 May 2014 10:43 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 14:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

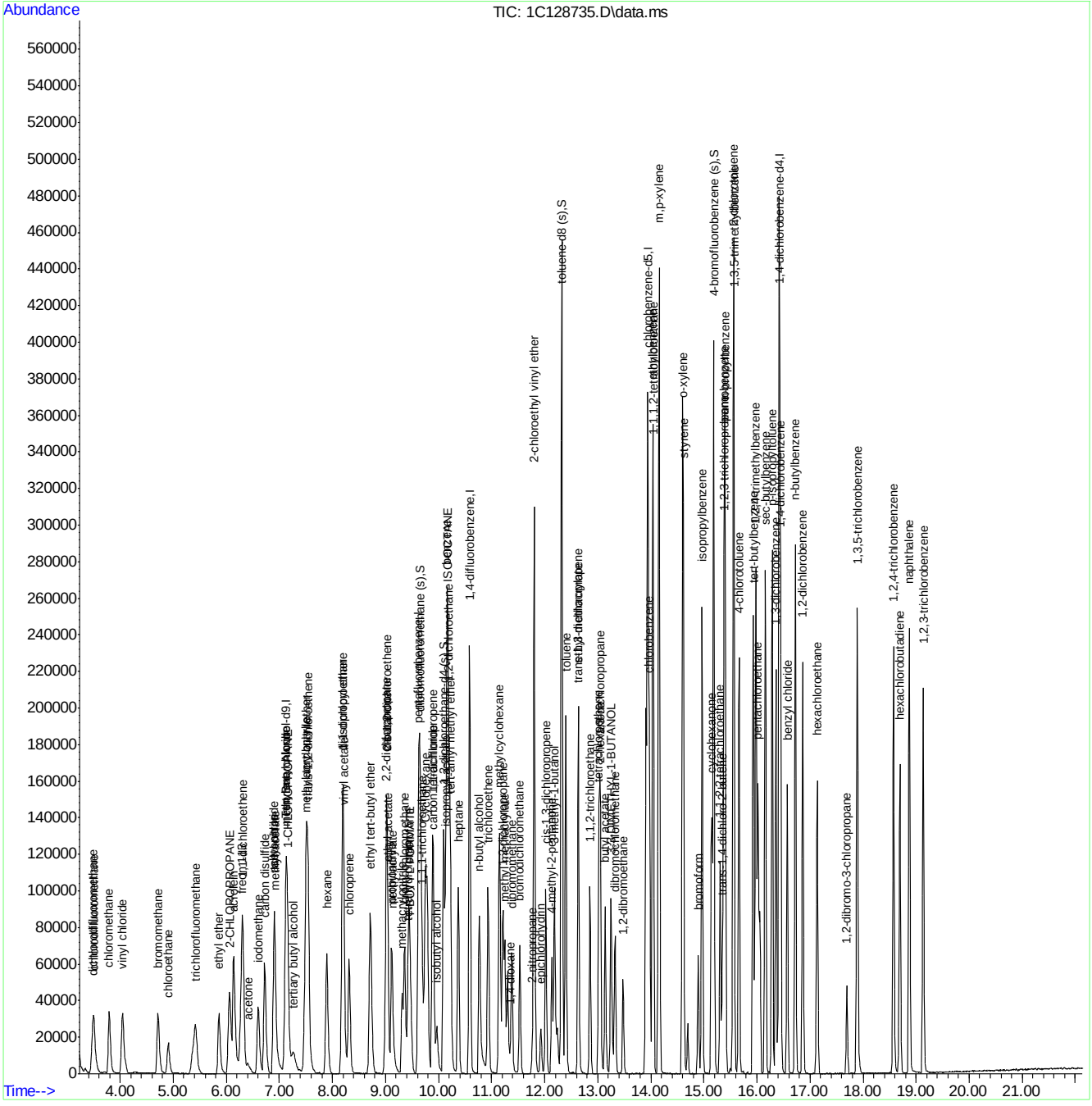
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) styrene	14.616	104	122023	21.79	ug/L	99
102) bromoform	14.893	173	36165	20.34	ug/L	96
104) isopropylbenzene	14.966	105	194626	21.21	ug/L	99
106) cyclohexanone	15.144	55	75640	409.88	ug/L	99
107) bromobenzene	15.385	156	54541	22.03	ug/L	93
108) 1,1,2,2-tetrachloroethane	15.306	83	66701	20.34	ug/L	96
109) trans-1,4-dichloro-2-b...	15.348	53	16742	18.61	ug/L	88
110) 1,2,3-trichloropropane	15.380	110	15369	20.04	ug/L	99
111) n-propylbenzene	15.400	91	224883	21.01	ug/L	99
112) 2-chlorotoluene	15.557	126	48967	21.41	ug/L	97
113) 4-chlorotoluene	15.662	91	141425	21.08	ug/L	100
114) 1,3,5-trimethylbenzene	15.568	105	169500	21.26	ug/L	99
115) tert-butylbenzene	15.934	119	144310	21.25	ug/L	98
116) pentachloroethane	16.018	167	38479	22.68	ug/L	98
117) 1,2,4-trimethylbenzene	15.981	105	166949	21.05	ug/L	99
118) sec-butylbenzene	16.159	105	226843	21.37	ug/L	99
119) 1,3-dichlorobenzene	16.358	146	106239	21.25	ug/L	99
120) p-isopropyltoluene	16.290	119	191924	21.60	ug/L	99
122) 1,4-dichlorobenzene	16.446	146	109233	21.13	ug/L	99
123) benzyl chloride	16.572	91	127633	19.83	ug/L	99
124) 1,2-dichlorobenzene	16.865	146	109878	21.80	ug/L	97
125) n-butylbenzene	16.724	92	100611	21.69	ug/L	99
126) 1,2-dibromo-3-chloropr...	17.691	75	13860	20.88	ug/L	96
127) 1,3,5-trichlorobenzene	17.890	180	99491	23.18	ug/L	99
128) 1,2,4-trichlorobenzene	18.575	180	90625	23.09	ug/L	99
129) hexachlorobutadiene	18.695	225	48424	23.42	ug/L	98
130) naphthalene	18.873	128	223384	21.68	ug/L	99
131) 1,2,3-trichlorobenzene	19.135	180	84587	22.51	ug/L	97
132) hexachloroethane	17.137	201	38446	23.04	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5741-5744\
Data File : 1C128735.D
Acq On : 30 May 2014 10:43 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68046,V1C5741,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 14:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration

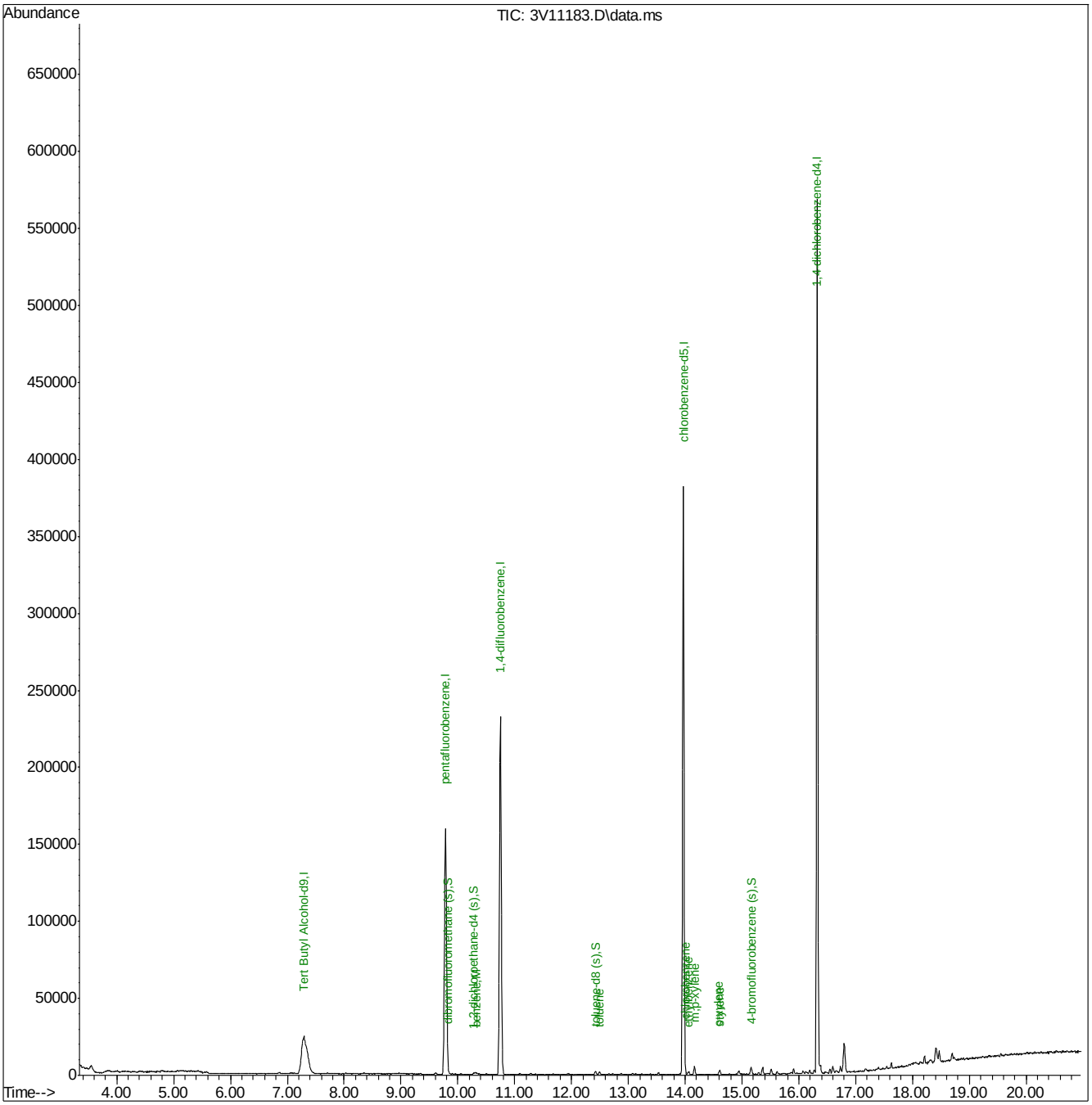
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	92286	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	158490	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	239192	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	228087	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	145861	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	676	0.34	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 0.68%#			
44) 1,2-dichloroethane-d4 (s)	10.278	65	702	0.41	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.82%#			
71) toluene-d8 (s)	12.418	98	2010	0.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 0.66%#			
95) 4-bromofluorobenzene (s)	15.165	95	1564	0.62	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.24%#			
Target Compounds						Qvalue
57) benzene	10.331	78	1452	0.19	ug/L	78
73) toluene	12.491	92	993	0.23	ug/L	85
86) chlorobenzene	14.001	112	954	0.18	ug/L	96
88) ethylbenzene	14.053	91	1960	0.21	ug/L	94
89) m,p-xylene	14.164	106	1787	0.49	ug/L	93
90) o-xylene	14.593	106	649	0.17	ug/L	91
91) styrene	14.609	104	920	0.16	ug/L	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	96233	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	162348	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	248601	50.00	ug/L		0.00
79) chlorobenzene-d5	13.969	117	235997	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152552	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.838	113	1307	0.61	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.22%#				
44) 1,2-dichloroethane-d4 (s)	10.278	65	1131	0.61	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.22%#				
71) toluene-d8 (s)	12.418	98	3647	0.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.12%#				
95) 4-bromofluorobenzene (s)	15.165	95	2211	0.72	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.44%#				
Target Compounds							Qvalue
16) 1,1-dichloroethene	6.430	96	1203	0.53	ug/L	#	33
22) carbon disulfide	6.865	76	3865	0.44	ug/L		87
26) methyl tert butyl ether	7.652	73	2341	0.42	ug/L		79
27) trans-1,2-dichloroethene	7.694	96	1326	0.55	ug/L	#	68
28) di-isopropyl ether	8.338	45	2572	0.45	ug/L		90
29) ethyl tert-butyl ether	8.863	59	2333	0.41	ug/L		94
31) 1,1-dichloroethane	8.370	63	1502	0.40	ug/L		84
32) chloroprene	8.470	53	770	0.33	ug/L		77
36) 2,2-dichloropropane	9.177	77	1595	0.44	ug/L	#	50
37) cis-1,2-dichloroethene	9.198	96	1783	0.65	ug/L	#	68
42) chloroform	9.613	83	2187	0.54	ug/L		92
47) 1,1,1-trichloroethane	9.859	97	1627	0.45	ug/L		73
48) tert-amyl methyl ether	10.367	73	2775	0.49	ug/L		98
53) carbon tetrachloride	10.058	117	1408	0.42	ug/L	#	81
54) 1,1-dichloropropene	10.048	75	1155	0.44	ug/L		88
57) benzene	10.336	78	3804	0.42	ug/L		92
60) 1,2-dichloroethane	10.378	62	1002	0.44	ug/L	#	49
61) trichloroethene	11.086	95	935	0.44	ug/L		80
64) 2-chloroethyl vinyl ether	11.940	63	1566	2.24	ug/L		90
66) 1,2-dichloropropane	11.379	63	854	0.43	ug/L	#	40
67) methylcyclohexane	11.280	83	1221	0.36	ug/L		91
68) dibromomethane	11.542	93	427	0.36	ug/L		86
69) bromodichloromethane	11.684	83	1141	0.44	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	1196	0.42	ug/L		94
73) toluene	12.496	92	2344	0.47	ug/L		89
75) trans-1,3-dichloropropene	12.727	75	950	0.38	ug/L		93
77) 1,1,2-trichloroethane	12.937	83	512	0.39	ug/L	#	65
80) tetrachloroethene	13.083	166	940	0.40	ug/L		87
81) 1,3-dichloropropane	13.125	76	924	0.37	ug/L		88
83) dibromochloromethane	13.387	129	794	0.37	ug/L		88
84) 1,2-dibromoethane	13.529	107	671	0.39	ug/L	#	69
86) chlorobenzene	14.001	112	2424	0.40	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) 1,1,1,2-tetrachloroethane	14.069	131	873	0.38	ug/L		100
88) ethylbenzene	14.053	91	4400	0.44	ug/L		98
89) m,p-xylene	14.163	106	3412	0.86	ug/L		97
90) o-xylene	14.599	106	1411	0.33	ug/L		91
91) styrene	14.614	104	2271	0.38	ug/L		98
92) bromoform	14.903	173	673	0.43	ug/L		89
94) isopropylbenzene	14.945	105	4401	0.40	ug/L		92
96) bromobenzene	15.354	156	1137	0.39	ug/L		90
98) 1,1,2,2-tetrachloroethane	15.291	83	1166	0.42	ug/L		87
101) n-propylbenzene	15.364	91	5462	0.40	ug/L		88
102) 2-chlorotoluene	15.511	126	1020	0.36	ug/L	#	81
103) 4-chlorotoluene	15.616	91	3469	0.43	ug/L		97
104) 1,3,5-trimethylbenzene	15.516	105	3515	0.34	ug/L		95
105) tert-butylbenzene	15.862	119	2549	0.36	ug/L		92
107) 1,2,4-trimethylbenzene	15.909	105	4446	0.34	ug/L		94
108) sec-butylbenzene	16.072	105	4685	0.37	ug/L		95
109) 1,3-dichlorobenzene	16.266	146	2853	0.45	ug/L		95
110) p-isopropyltoluene	16.192	119	3847	0.36	ug/L		98
111) 1,4-dichlorobenzene	16.350	146	2871	0.44	ug/L		92
112) 1,2-dichlorobenzene	16.733	146	2627	0.42	ug/L		94
113) n-butylbenzene	16.596	92	2402	0.39	ug/L		95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	2733	0.45	ug/L		97
116) 1,2,4-trichlorobenzene	18.211	180	2690	0.46	ug/L		97
117) hexachlorobutadiene	18.300	225	1128	0.38	ug/L		95
118) naphthalene	18.473	128	5819	0.47	ug/L		97
119) 1,2,3-trichlorobenzene	18.693	180	2463	0.45	ug/L		88

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

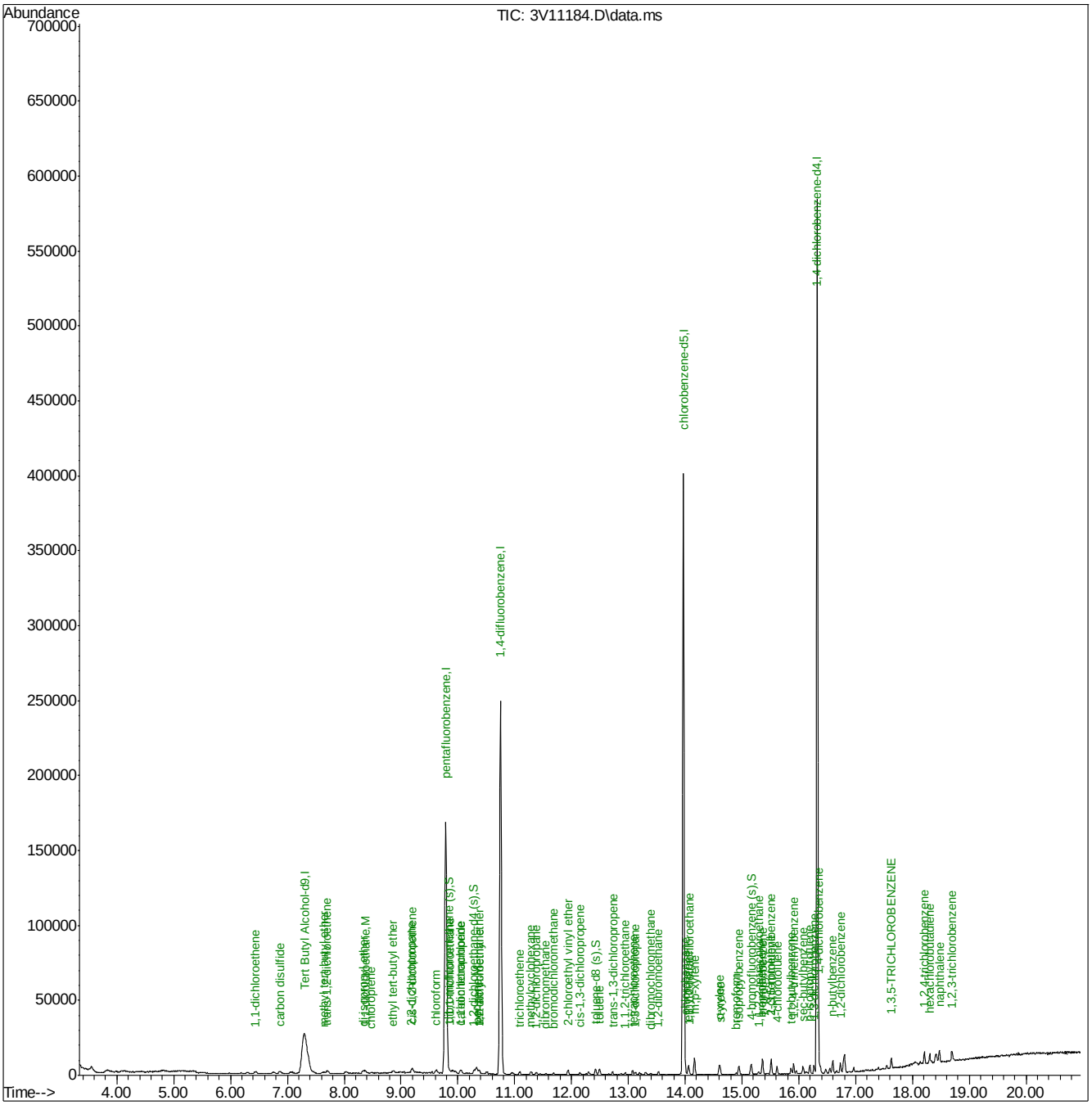
7.7.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11184.D
Acq On : 22 May 2014 10:47 am
Operator : thienn
Sample : ic474-0.5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:40:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	88284	500.00	ug/L		-0.01
5) pentafluorobenzene	9.786	168	168043	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	250261	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	237615	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150965	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	2001	0.90	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.80%#				
44) 1,2-dichloroethane-d4 (s)	10.284	65	1709	0.89	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.78%#				
71) toluene-d8 (s)	12.423	98	5503	0.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.68%#				
95) 4-bromofluorobenzene (s)	15.165	95	3035	1.00	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 2.00%#				
Target Compounds							Qvalue
15) acrolein	6.289	56	580729	1751.17	ug/L		98
16) 1,1-dichloroethene	6.446	96	2094	0.89	ug/L	#	79
20) iodomethane	6.750	142	3890	0.80	ug/L		95
22) carbon disulfide	6.860	76	7010	0.77	ug/L		88
26) methyl tert butyl ether	7.641	73	4428	0.77	ug/L		93
27) trans-1,2-dichloroethene	7.704	96	2330	0.93	ug/L		82
28) di-isopropyl ether	8.349	45	4709	0.80	ug/L		94
29) ethyl tert-butyl ether	8.868	59	4791	0.82	ug/L		96
31) 1,1-dichloroethane	8.365	63	2912	0.75	ug/L		94
32) chloroprene	8.475	53	1767	0.74	ug/L		79
36) 2,2-dichloropropane	9.193	77	3036	0.81	ug/L		100
37) cis-1,2-dichloroethene	9.204	96	2832	1.00	ug/L	#	79
40) bromochloromethane	9.555	128	806	0.73	ug/L		86
42) chloroform	9.613	83	3642	0.88	ug/L		95
47) 1,1,1-trichloroethane	9.854	97	3061	0.82	ug/L		81
48) tert-amyl methyl ether	10.378	73	4687	0.80	ug/L		91
52) cyclohexane	9.912	84	2485	0.75	ug/L		94
53) carbon tetrachloride	10.064	117	2650	0.79	ug/L		82
54) 1,1-dichloropropene	10.048	75	2164	0.82	ug/L		93
55) hexane	8.019	57	1835	0.84	ug/L		94
57) benzene	10.336	78	6885	0.75	ug/L		96
58) heptane	10.515	57	876	0.67	ug/L		89
60) 1,2-dichloroethane	10.378	62	1760	0.77	ug/L		88
61) trichloroethene	11.091	95	1677	0.79	ug/L	#	74
64) 2-chloroethyl vinyl ether	11.941	63	2689	3.82	ug/L		92
65) methyl methacrylate	11.280	41	1111	0.87	ug/L		88
66) 1,2-dichloropropane	11.374	63	1526	0.77	ug/L		91
67) methylcyclohexane	11.291	83	2537	0.75	ug/L		98
68) dibromomethane	11.542	93	858	0.71	ug/L		97
69) bromodichloromethane	11.684	83	1976	0.76	ug/L		95
70) cis-1,3-dichloropropene	12.145	75	2180	0.77	ug/L		97
73) toluene	12.496	92	3932	0.78	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

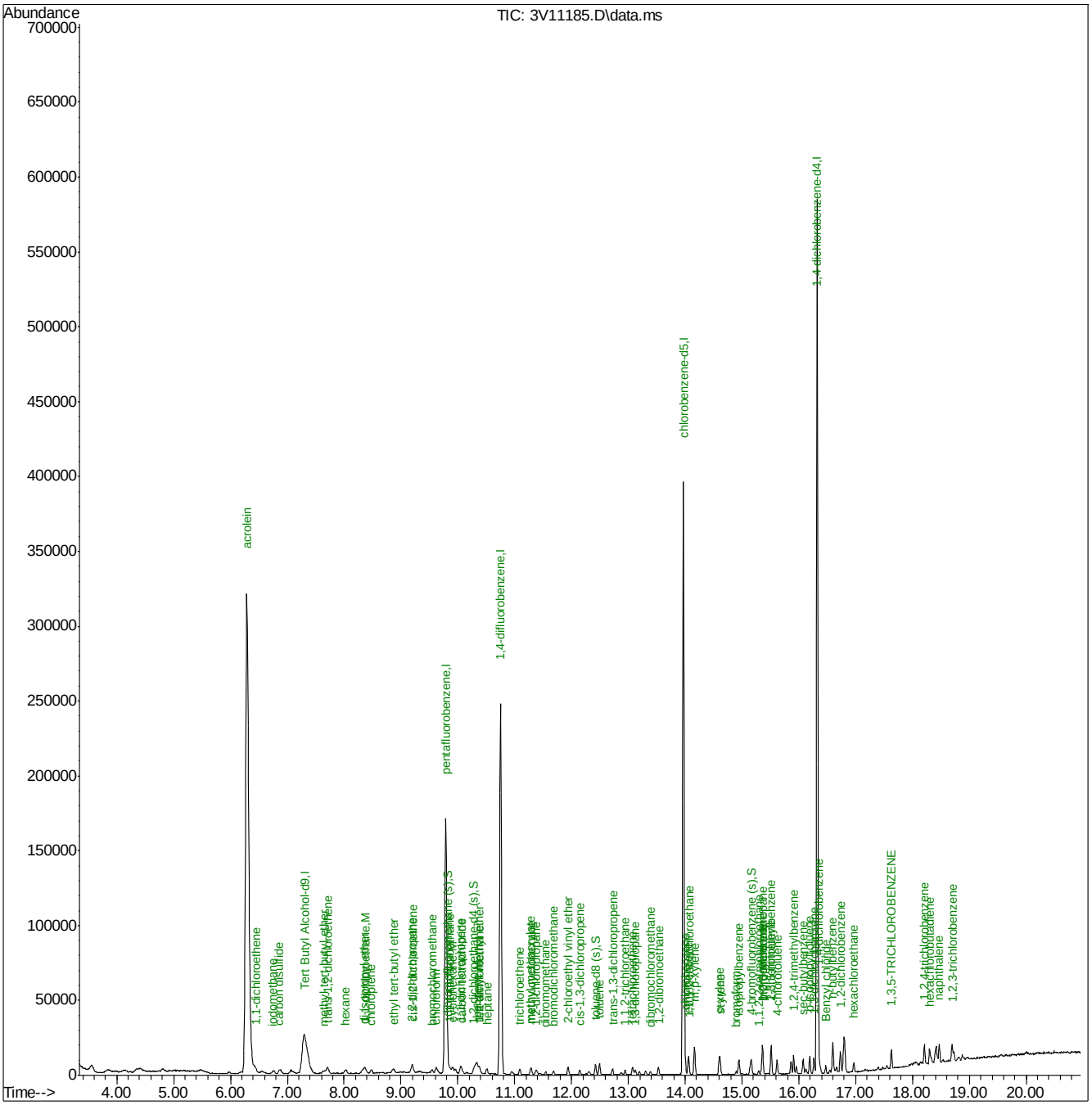
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	trans-1,3-dichloropropene	12.727	75	1826	0.73	ug/L	88
77)	1,1,2-trichloroethane	12.942	83	1031	0.78	ug/L	84
80)	tetrachloroethene	13.078	166	1782	0.76	ug/L	97
81)	1,3-dichloropropane	13.120	76	1733	0.69	ug/L	92
83)	dibromochloromethane	13.393	129	1440	0.67	ug/L	96
84)	1,2-dibromoethane	13.535	107	1272	0.73	ug/L	98
86)	chlorobenzene	14.001	112	4634	0.76	ug/L	95
87)	1,1,1,2-tetrachloroethane	14.069	131	1716	0.74	ug/L	91
88)	ethylbenzene	14.054	91	7939	0.80	ug/L	96
89)	m,p-xylene	14.164	106	6073	1.52	ug/L	94
90)	o-xylene	14.599	106	2900	0.68	ug/L	97
91)	styrene	14.615	104	4251	0.71	ug/L	95
92)	bromoform	14.903	173	1135	0.73	ug/L	77
94)	isopropylbenzene	14.945	105	7688	0.70	ug/L	98
96)	bromobenzene	15.359	156	2259	0.77	ug/L	91
98)	1,1,2,2-tetrachloroethane	15.291	83	1850	0.67	ug/L	85
100)	1,2,3-trichloropropane	15.359	110	370	0.67	ug/L	83
101)	n-propylbenzene	15.364	91	9248	0.68	ug/L	99
102)	2-chlorotoluene	15.516	126	1918	0.68	ug/L	90
103)	4-chlorotoluene	15.616	91	6157	0.76	ug/L	96
104)	1,3,5-trimethylbenzene	15.516	105	6504	0.64	ug/L	99
107)	1,2,4-trimethylbenzene	15.910	105	7423	0.57	ug/L	86
108)	sec-butylbenzene	16.072	105	8254	0.67	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	4692	0.75	ug/L	100
110)	p-isopropyltoluene	16.193	119	7186	0.68	ug/L	98
111)	1,4-dichlorobenzene	16.350	146	5030	0.79	ug/L	91
112)	1,2-dichlorobenzene	16.733	146	4806	0.77	ug/L	98
113)	n-butylbenzene	16.596	92	4205	0.70	ug/L	95
115)	1,3,5-TRICHLOROBENZENE	17.629	180	4698	0.78	ug/L	94
116)	1,2,4-trichlorobenzene	18.211	180	4222	0.73	ug/L	97
117)	hexachlorobutadiene	18.306	225	2184	0.74	ug/L	87
118)	naphthalene	18.468	128	8671	0.71	ug/L	98
119)	1,2,3-trichlorobenzene	18.699	180	4079	0.76	ug/L	91
120)	hexachloroethane	16.964	119	1703	0.79	ug/L	76
121)	Benzyl chloride	16.471	91	4188	0.86	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	81258	500.00	ug/L	0.00
5) pentafluorobenzene	9.785	168	155450	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	234535	50.00	ug/L	0.00
79) chlorobenzene-d5	13.969	117	220566	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	142306	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	3545	1.72	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery =	3.44%#		
44) 1,2-dichloroethane-d4 (s)	10.273	65	3257	1.82	ug/L	-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery =	3.64%#		
71) toluene-d8 (s)	12.423	98	10482	1.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery =	3.42%#		
95) 4-bromofluorobenzene (s)	15.165	95	4933	1.72	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery =	3.44%#		
Target Compounds						Qvalue
4) tertiary butyl alcohol	7.416	59	2128	9.23	ug/L	58
7) dichlorodifluoromethane	3.541	85	7045	1.94	ug/L	91
8) chloromethane	3.835	50	6176	1.67	ug/L	96
9) vinyl chloride	4.102	62	6178	1.65	ug/L	89
10) bromomethane	4.789	94	4658	1.92	ug/L	82
11) chloroethane	4.993	64	2112	1.72	ug/L	93
12) trichlorofluoromethane	5.518	101	6940	1.76	ug/L	96
13) ethyl ether	5.963	74	1219	1.59	ug/L	94
15) acrolein	6.283	56	293684	957.34	ug/L	99
16) 1,1-dichloroethene	6.435	96	4125	1.89	ug/L	92
20) iodomethane	6.750	142	8003	1.77	ug/L	93
22) carbon disulfide	6.865	76	14377	1.72	ug/L	97
23) methylene chloride	7.285	84	5844	2.18	ug/L	92
26) methyl tert butyl ether	7.636	73	9365	1.76	ug/L	97
27) trans-1,2-dichloroethene	7.694	96	4300	1.85	ug/L	78
28) di-isopropyl ether	8.333	45	9627	1.77	ug/L	88
29) ethyl tert-butyl ether	8.857	59	9445	1.75	ug/L	95
31) 1,1-dichloroethane	8.370	63	6320	1.75	ug/L	96
32) chloroprene	8.469	53	4032	1.82	ug/L	94
33) acrylonitrile	7.704	53	4318	8.77	ug/L	93
36) 2,2-dichloropropane	9.188	77	6693	1.93	ug/L	90
37) cis-1,2-dichloroethene	9.198	96	5096	1.95	ug/L	85
38) propionitrile	9.324	54	3828	18.21	ug/L	91
40) bromochloromethane	9.550	128	1911	1.86	ug/L	97
42) chloroform	9.618	83	6906	1.79	ug/L	97
45) freon 113	6.388	151	3133	1.81	ug/L	83
46) methacrylonitrile	9.497	41	1372	1.98	ug/L	81
47) 1,1,1-trichloroethane	9.859	97	6463	1.88	ug/L	96
48) tert-amyl methyl ether	10.373	73	9282	1.72	ug/L	92
51) n-butyl alcohol	10.949	56	4456	87.76	ug/L	97
52) cyclohexane	9.906	84	5272	1.69	ug/L	96
53) carbon tetrachloride	10.058	117	5742	1.82	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1-dichloropropene	10.048	75	4485	1.80	ug/L		89
55) hexane	8.019	57	3419	1.68	ug/L		90
56) ISOOCTANE	10.299	57	10441	1.58	ug/L	#	92
57) benzene	10.331	78	13751	1.60	ug/L		99
58) heptane	10.504	57	2078	1.69	ug/L		94
59) isopropyl acetate	10.299	43	6254	1.84	ug/L	#	88
60) 1,2-dichloroethane	10.378	62	3701	1.73	ug/L		95
61) trichloroethene	11.091	95	3417	1.71	ug/L		92
64) 2-chloroethyl vinyl ether	11.935	63	5886	8.92	ug/L		98
65) methyl methacrylate	11.285	41	2175	1.81	ug/L		96
66) 1,2-dichloropropane	11.374	63	3255	1.74	ug/L		98
67) methylcyclohexane	11.290	83	5591	1.76	ug/L		87
68) dibromomethane	11.542	93	2001	1.77	ug/L		94
69) bromodichloromethane	11.683	83	4125	1.70	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	4722	1.77	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	943	1.80	ug/L	#	78
73) toluene	12.491	92	7927	1.68	ug/L		99
74) 3-methyl-1-butanol	12.307	70	1477	34.07	ug/L		92
75) trans-1,3-dichloropropene	12.722	75	4056	1.73	ug/L		93
76) ethyl methacrylate	12.706	69	2751	1.70	ug/L		95
77) 1,1,2-trichloroethane	12.942	83	2317	1.87	ug/L		94
80) tetrachloroethene	13.078	166	3999	1.84	ug/L		92
81) 1,3-dichloropropane	13.120	76	4043	1.74	ug/L		98
82) butyl acetate	13.188	56	1513	1.80	ug/L	#	77
83) dibromochloromethane	13.382	129	3589	1.80	ug/L		88
84) 1,2-dibromoethane	13.534	107	2700	1.68	ug/L		92
86) chlorobenzene	14.001	112	9499	1.68	ug/L		94
87) 1,1,1,2-tetrachloroethane	14.069	131	3806	1.78	ug/L		99
88) ethylbenzene	14.053	91	16151	1.74	ug/L		95
89) m,p-xylene	14.163	106	12008	3.23	ug/L		98
90) o-xylene	14.599	106	6194	1.56	ug/L		89
91) styrene	14.614	104	9199	1.66	ug/L		98
92) bromoform	14.897	173	2583	1.78	ug/L		99
94) isopropylbenzene	14.950	105	16440	1.59	ug/L		99
96) bromobenzene	15.359	156	5117	1.86	ug/L		88
97) cyclohexanone	15.149	55	7731	20.92	ug/L		97
98) 1,1,2,2-tetrachloroethane	15.291	83	4859	1.88	ug/L		98
100) 1,2,3-trichloropropane	15.364	110	1045	1.99	ug/L		82
101) n-propylbenzene	15.364	91	20393	1.58	ug/L		99
102) 2-chlorotoluene	15.516	126	4390	1.66	ug/L		91
103) 4-chlorotoluene	15.616	91	12842	1.69	ug/L		96
104) 1,3,5-trimethylbenzene	15.516	105	13877	1.46	ug/L		97
105) tert-butylbenzene	15.862	119	10521	1.59	ug/L		96
106) pentachloroethane	15.951	167	2782	1.62	ug/L		96
107) 1,2,4-trimethylbenzene	15.909	105	15098	1.23	ug/L		89
108) sec-butylbenzene	16.077	105	18601	1.60	ug/L		99
109) 1,3-dichlorobenzene	16.266	146	10210	1.74	ug/L		95
110) p-isopropyltoluene	16.192	119	15924	1.60	ug/L		98
111) 1,4-dichlorobenzene	16.350	146	10412	1.73	ug/L		93
112) 1,2-dichlorobenzene	16.733	146	10125	1.73	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
113) n-butylbenzene	16.596	92	9589	1.68	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.482	75	1146	2.18	ug/L	95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	9981	1.75	ug/L	98
116) 1,2,4-trichlorobenzene	18.211	180	9654	1.77	ug/L	97
117) hexachlorobutadiene	18.300	225	4857	1.75	ug/L	94
118) naphthalene	18.473	128	19090	1.65	ug/L	98
119) 1,2,3-trichlorobenzene	18.699	180	8870	1.74	ug/L	90
120) hexachloroethane	16.968	119	3585	1.75	ug/L	83
121) Benzyl chloride	16.476	91	8728	1.90	ug/L	98

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

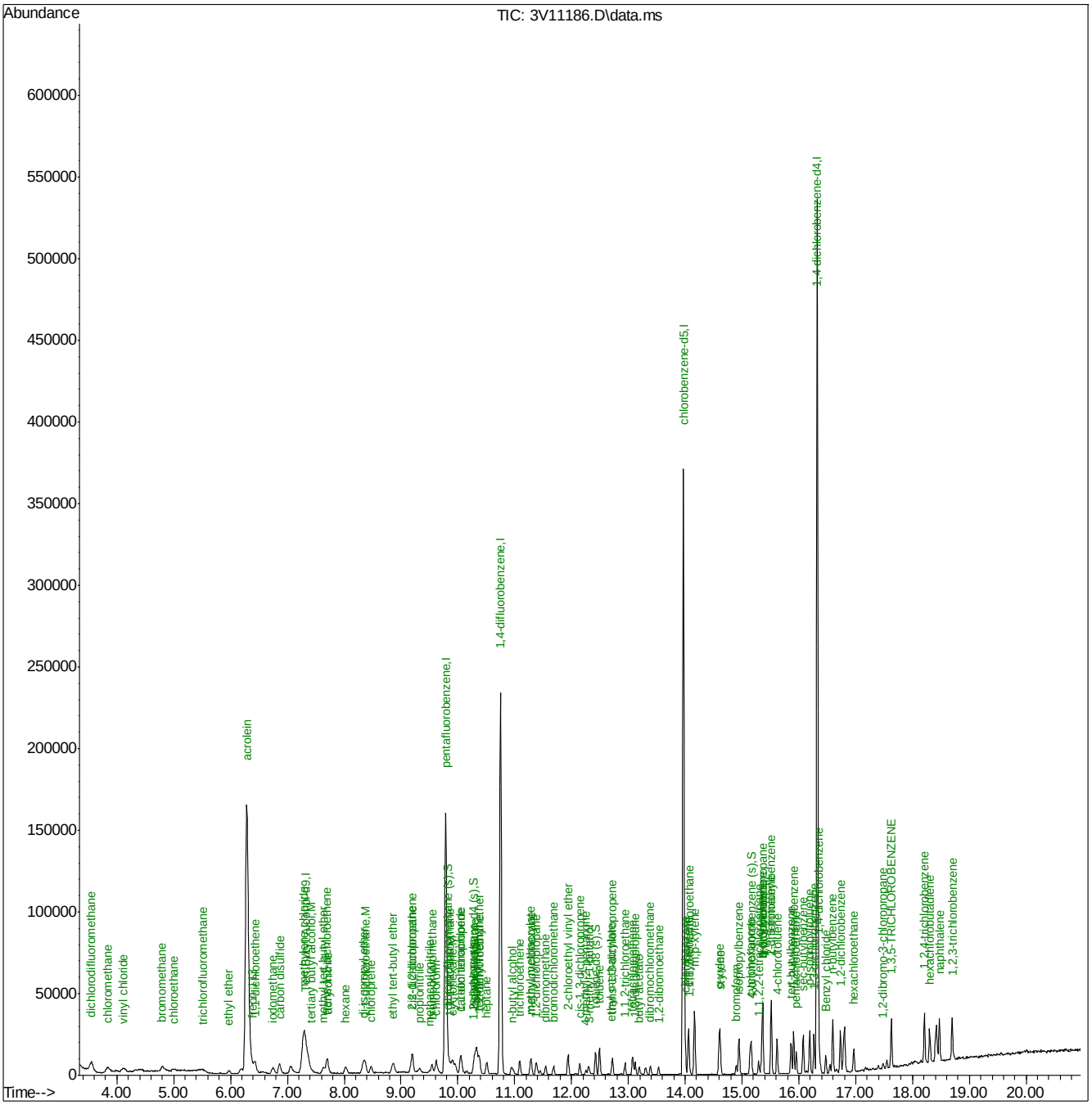
7.7.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 05/29/14 17:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	88650	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	152136	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	230267	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	221836	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	144075	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.838	113	8894	4.51	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 9.02%#				
44) 1,2-dichloroethane-d4 (s)	10.279	65	7760	4.49	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 8.98%#				
71) toluene-d8 (s)	12.423	98	26541	4.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 9.30%#				
95) 4-bromofluorobenzene (s)	15.165	95	11917	4.54	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 9.08%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	2556m	108.29	ug/L		
4) tertiary butyl alcohol	7.442	59	5952m	25.22	ug/L		
6) chlorodifluoromethane	3.552	51	25265	8.43	ug/L		94
7) dichlorodifluoromethane	3.547	85	19846	5.19	ug/L		99
8) chloromethane	3.835	50	15556	4.73	ug/L		95
9) vinyl chloride	4.123	62	17175	4.96	ug/L		98
10) bromomethane	4.789	94	12301	5.25	ug/L		87
11) chloroethane	5.004	64	6192	5.38	ug/L		96
12) trichlorofluoromethane	5.513	101	19833	5.21	ug/L		88
13) ethyl ether	5.964	74	3746	5.47	ug/L		82
14) 2-chloropropane	6.184	43	14363	5.17	ug/L		98
15) acrolein	6.289	56	19037	69.00	ug/L		97
16) 1,1-dichloroethene	6.436	96	10164	4.95	ug/L		98
17) acetone	6.551	43	3085	6.69	ug/L		97
18) allyl chloride	7.059	76	4525	6.39	ug/L		97
19) acetonitrile	7.070	40	7035	54.54	ug/L		93
20) iodomethane	6.745	142	21448	5.39	ug/L		97
21) iso-butyl alcohol	10.153	41	2953	54.31	ug/L		89
22) carbon disulfide	6.860	76	38326	5.36	ug/L		98
23) methylene chloride	7.285	84	12580	3.91	ug/L		94
24) 1-chloropropane	7.306	42	21524	7.54	ug/L	#	88
25) methyl acetate	7.075	74	979m	4.53	ug/L		
26) methyl tert butyl ether	7.636	73	25139	5.53	ug/L		98
27) trans-1,2-dichloroethene	7.699	96	10873	4.93	ug/L		96
28) di-isopropyl ether	8.339	45	26984	5.59	ug/L		96
29) ethyl tert-butyl ether	8.858	59	26368	5.56	ug/L		98
30) 2-butanone	9.183	72	634m	3.79	ug/L		
31) 1,1-dichloroethane	8.365	63	17674	5.86	ug/L		99
32) chloroprene	8.475	53	11063	5.99	ug/L		95
33) acrylonitrile	7.704	53	12189	26.72	ug/L		94
34) vinyl acetate	8.370	86	748	3.75	ug/L	#	55
35) ethyl acetate	9.204	45	776	4.77	ug/L		42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	17362	5.51	ug/L		97
37) cis-1,2-dichloroethene	9.204	96	11916	4.46	ug/L		89
38) propionitrile	9.324	54	10917	61.47	ug/L		90
39) methyl acrylate	9.293	55	6908	5.04	ug/L	#	94
40) bromochloromethane	9.545	128	5233	5.74	ug/L		94
41) tetrahydrofuran	9.581	42	2137	4.85	ug/L		97
42) chloroform	9.618	83	18047	5.03	ug/L		99
45) freon 113	6.415	151	9347	6.18	ug/L		98
46) methacrylonitrile	9.503	41	3476	5.10	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	16919	5.38	ug/L		96
48) tert-amyl methyl ether	10.368	73	26309	5.42	ug/L		95
50) epichlorohydrin	12.067	57	3246	30.54	ug/L		89
51) n-butyl alcohol	10.945	56	12504	258.67	ug/L		96
52) cyclohexane	9.906	84	15594	5.79	ug/L		98
53) carbon tetrachloride	10.064	117	15657	5.60	ug/L		99
54) 1,1-dichloropropene	10.048	75	12008	5.41	ug/L		96
55) hexane	8.019	57	9859	5.54	ug/L		94
56) ISOOCTANE	10.305	57	31602	5.56	ug/L		98
57) benzene	10.331	78	36754	5.32	ug/L		98
58) heptane	10.504	57	6117	5.97	ug/L		97
59) isopropyl acetate	10.300	43	16946	5.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	10533	5.68	ug/L		100
61) trichloroethene	11.091	95	9598	5.53	ug/L		97
63) 2-nitropropane	11.935	43	11857	4.94	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	17241	29.08	ug/L		98
65) methyl methacrylate	11.285	41	6239	5.60	ug/L		99
66) 1,2-dichloropropane	11.374	63	8908	5.56	ug/L		97
67) methylcyclohexane	11.291	83	15477	6.26	ug/L		95
68) dibromomethane	11.542	93	5594	6.03	ug/L		97
69) bromodichloromethane	11.684	83	11546	5.48	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	12758	5.48	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	2533	5.06	ug/L		88
73) toluene	12.491	92	20100	4.81	ug/L		99
74) 3-methyl-1-butanol	12.297	70	4303	103.18	ug/L		96
75) trans-1,3-dichloropropene	12.727	75	11315	5.80	ug/L		92
76) ethyl methacrylate	12.711	69	7672	5.60	ug/L		97
77) 1,1,2-trichloroethane	12.942	83	6248	5.84	ug/L		97
78) 2-hexanone	13.120	58	2250	4.77	ug/L		97
80) tetrachloroethene	13.078	166	10474	5.51	ug/L		100
81) 1,3-dichloropropane	13.120	76	10821	5.70	ug/L		99
82) butyl acetate	13.189	56	4187	5.71	ug/L		93
83) dibromochloromethane	13.388	129	9328	5.59	ug/L		98
84) 1,2-dibromoethane	13.535	107	7607	5.63	ug/L		98
86) chlorobenzene	14.001	112	25505	5.41	ug/L		95
87) 1,1,1,2-tetrachloroethane	14.069	131	10136	5.48	ug/L		95
88) ethylbenzene	14.054	91	42979	5.07	ug/L		97
89) m,p-xylene	14.164	106	32813	9.69	ug/L		96
90) o-xylene	14.599	106	16729	5.46	ug/L		98
91) styrene	14.615	104	25315	5.49	ug/L		97
92) bromoform	14.898	173	7120	5.58	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	43020	5.08	ug/L	97
96)	bromobenzene	15.359	156	12846	5.40	ug/L	97
97)	cyclohexanone	15.144	55	16268	53.02	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	11850	5.35	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	2420	4.66	ug/L	95
100)	1,2,3-trichloropropane	15.364	110	2666	5.70	ug/L	91
101)	n-propylbenzene	15.364	91	54902	5.32	ug/L	99
102)	2-chlorotoluene	15.516	126	12283	5.74	ug/L	98
103)	4-chlorotoluene	15.616	91	34176	5.26	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	38831	5.44	ug/L	99
105)	tert-butylbenzene	15.863	119	29155	5.37	ug/L	96
106)	pentachloroethane	15.957	167	7454	4.66	ug/L	94
107)	1,2,4-trimethylbenzene	15.910	105	40923	5.14	ug/L	93
108)	sec-butylbenzene	16.077	105	51756	5.46	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	27046	5.28	ug/L	97
110)	p-isopropyltoluene	16.193	119	44733	5.56	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	26890	5.13	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	26860	5.37	ug/L	97
113)	n-butylbenzene	16.597	92	25801	5.47	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.483	75	2733	5.07	ug/L	92
115)	1,3,5-TRICHLOROBENZENE	17.629	180	25815	5.11	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	23950	5.00	ug/L	97
117)	hexachlorobutadiene	18.301	225	12827	5.43	ug/L	97
118)	naphthalene	18.468	128	47207	4.86	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	22239	4.98	ug/L	95
120)	hexachloroethane	16.969	119	8719	4.79	ug/L	94
121)	Benzyl chloride	16.471	91	23420	5.34	ug/L	99

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

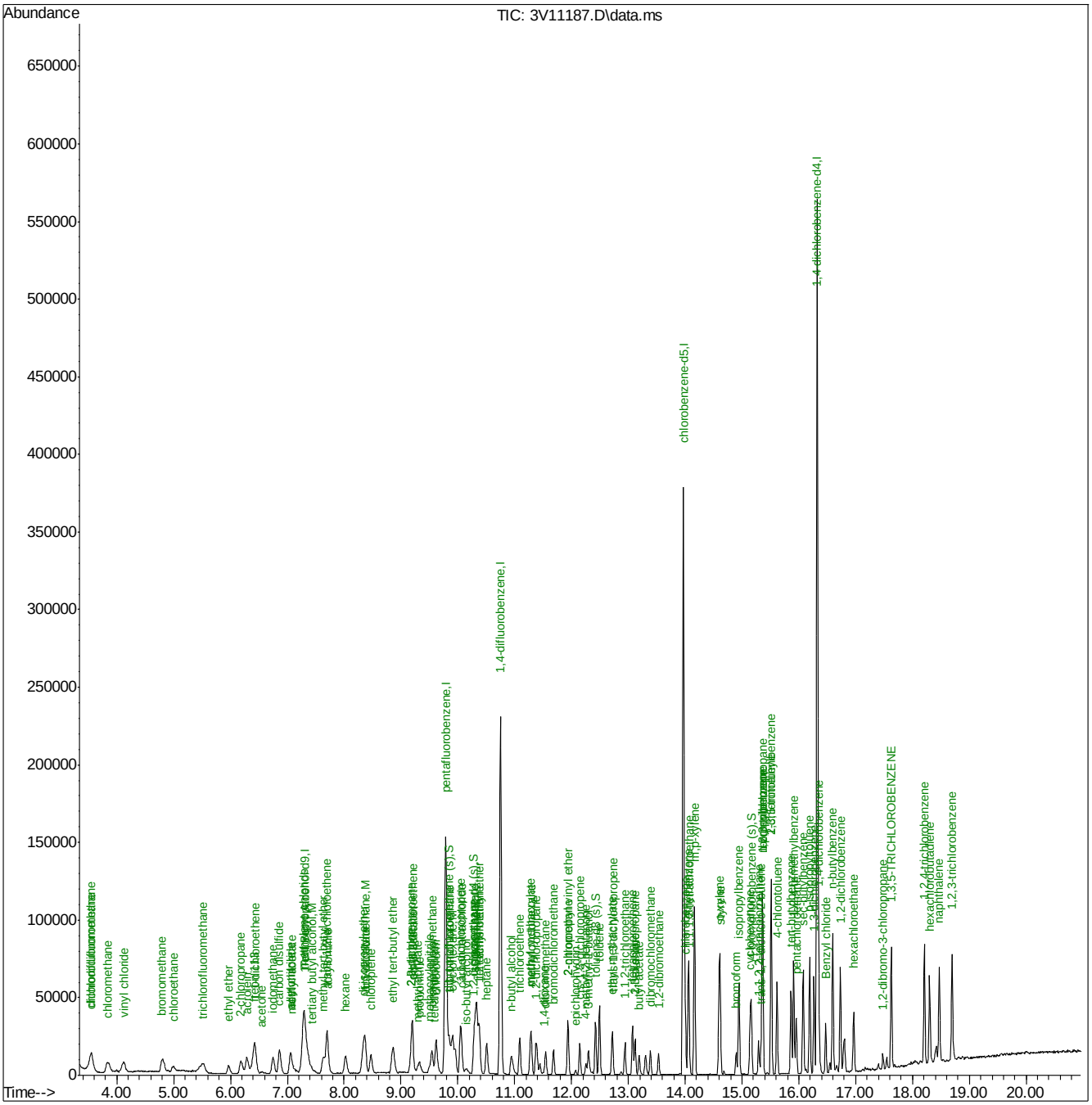
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration



Manual Integration Approval Summary

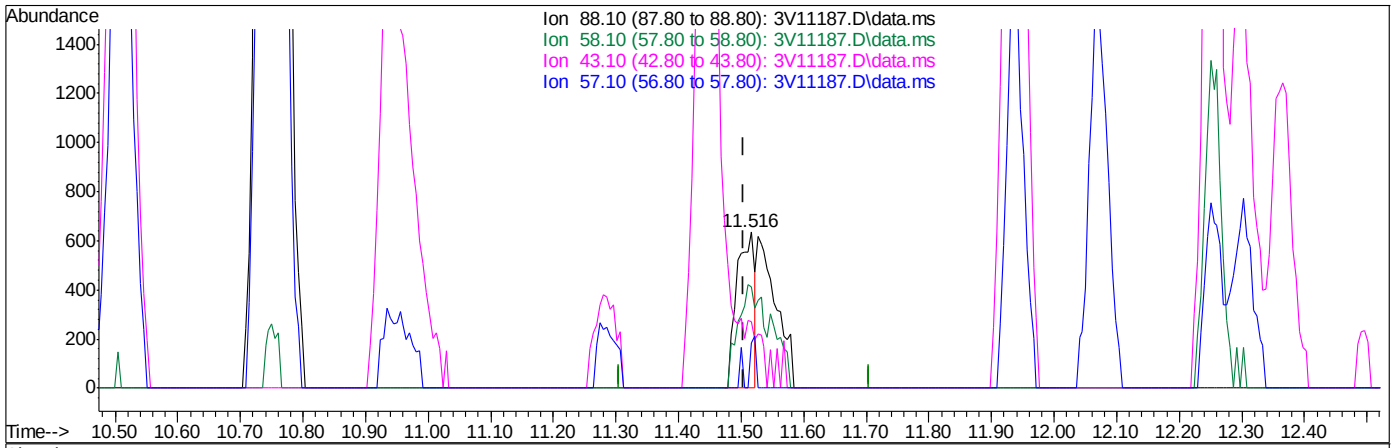
Sample Number: V3V474-IC474
Lab FileID: 3V11187.D
Injection Time: 05/22/14 12:08
Method: SW846 8260C
Analyst approved: 05/23/14 14:36 Dipa Patel
Supervisor approved: 05/29/14 17:49 Jessica Reitan-Chu

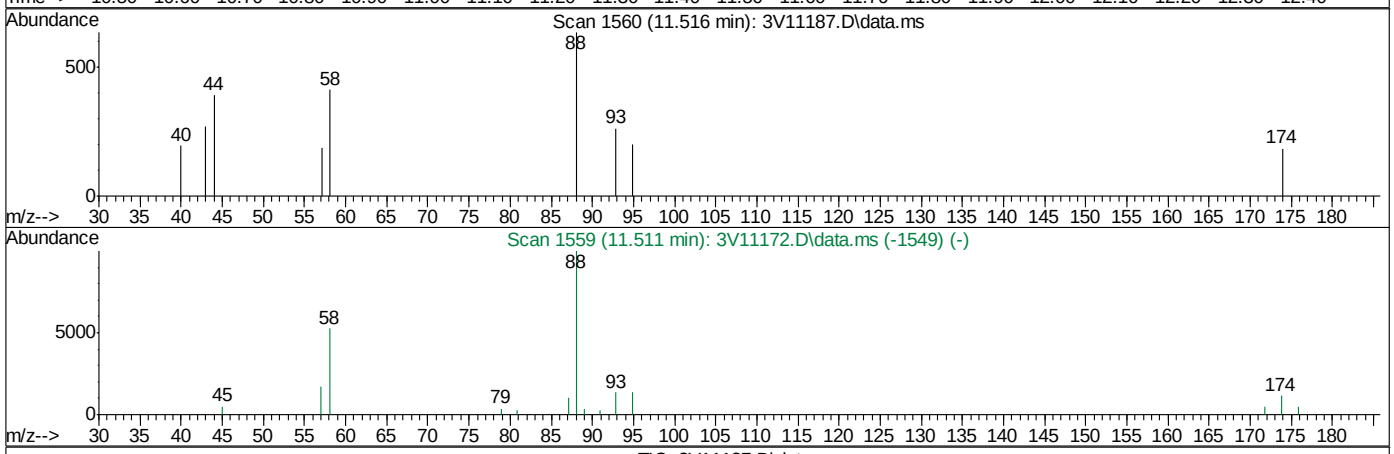
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Acetate	79-20-9		7.08	Poor instrument integration
Tert Butyl Alcohol	75-65-0		7.44	Poor instrument integration
2-Butanone (MEK)	78-93-3		9.18	Missed peak
1,4-Dioxane	123-91-1		11.52	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 51.05ug/L

response 1205

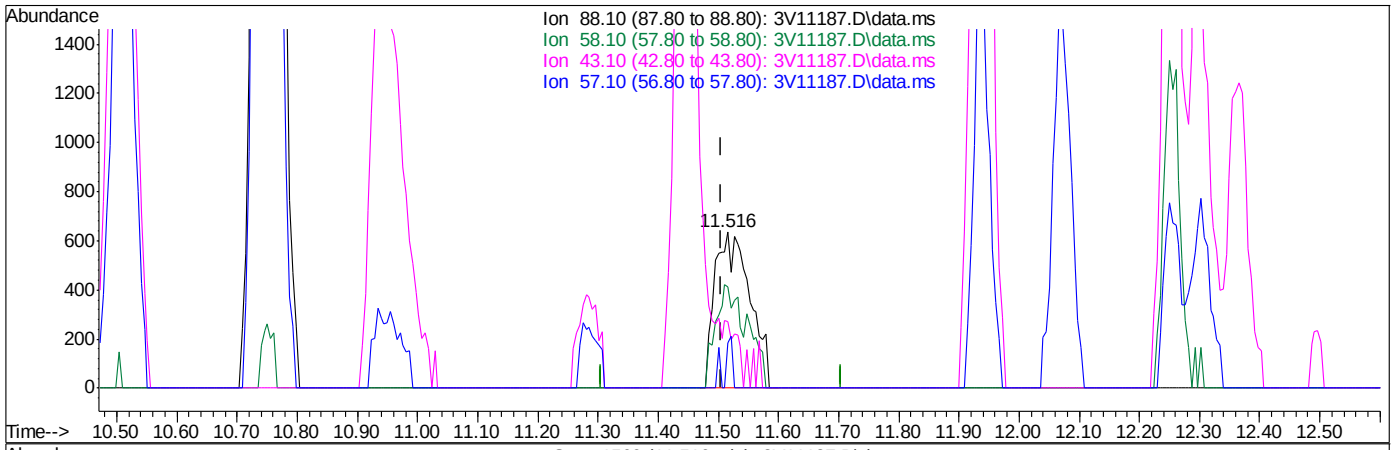
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	94.19#
43.10	0.00	0.00
57.10	22.70	0.00

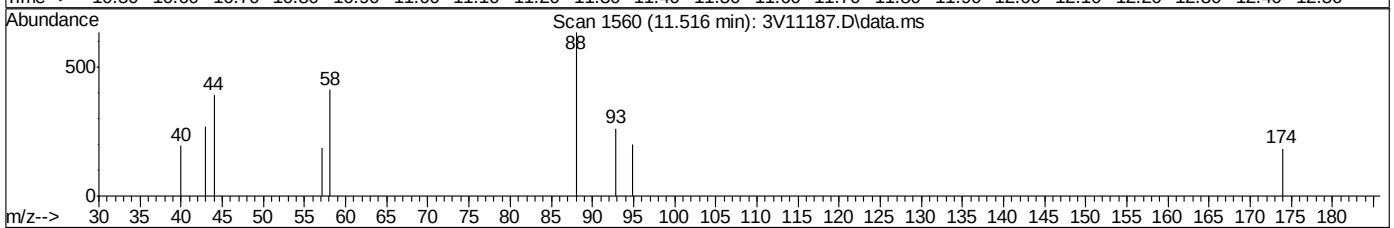
3V11187.D edits: 1,4-dioxane

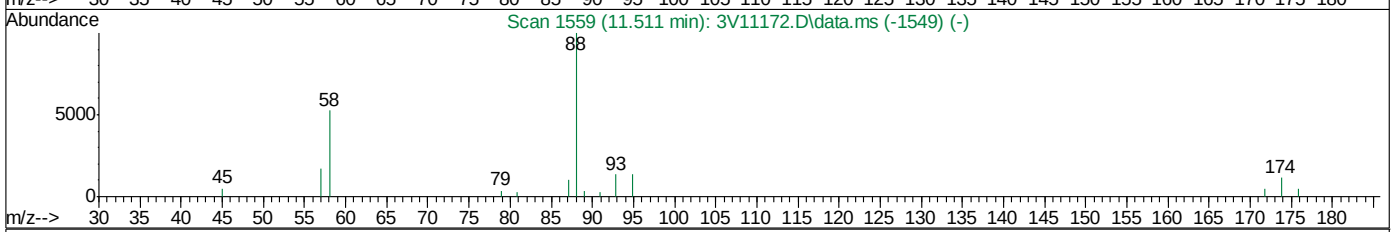
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 108.29ug/L m

response 2556

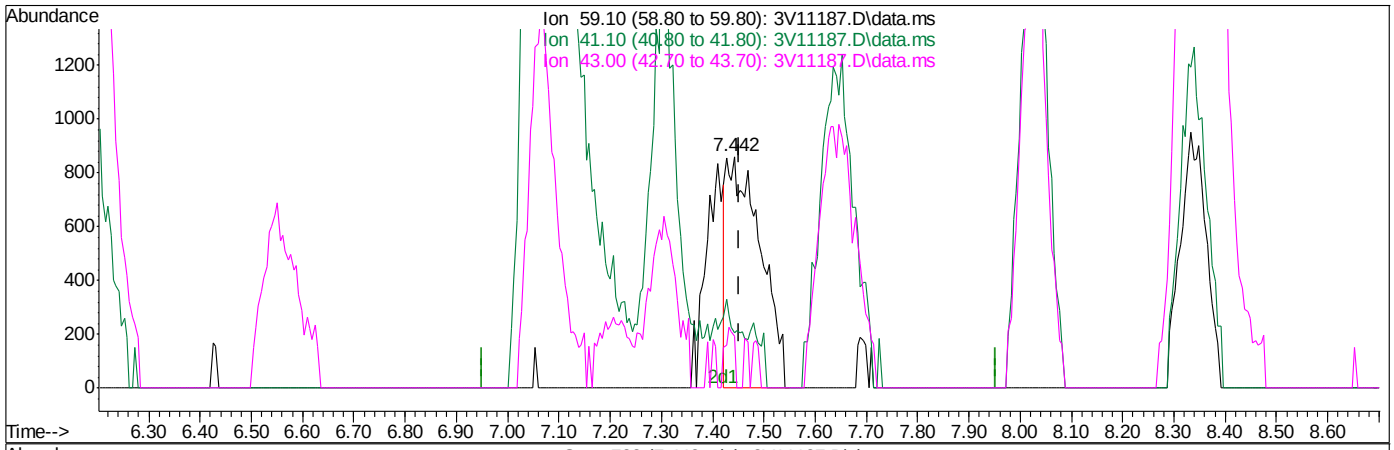
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	44.41
43.10	0.00	0.00
57.10	22.70	0.00

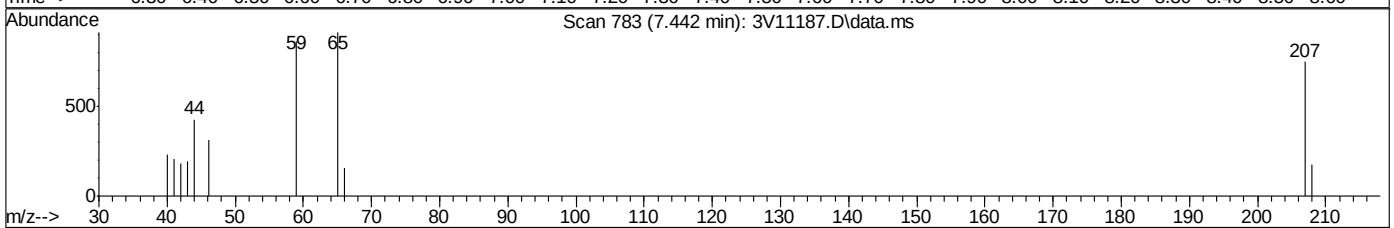
ACCUTEST LABORATORIES JB67744

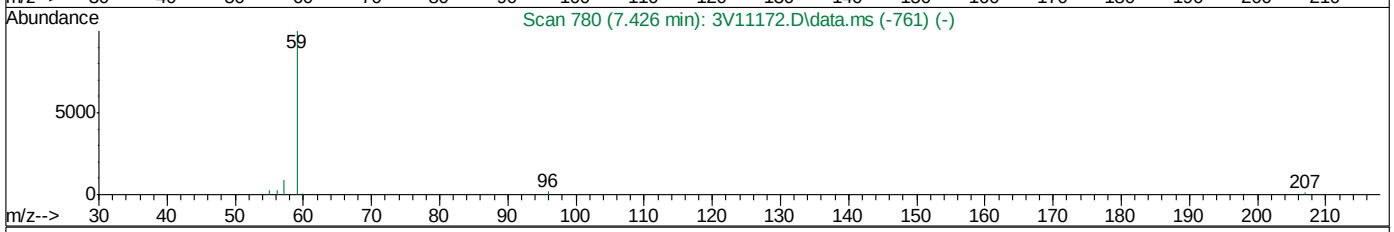
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 16.81ug/L

response 3968

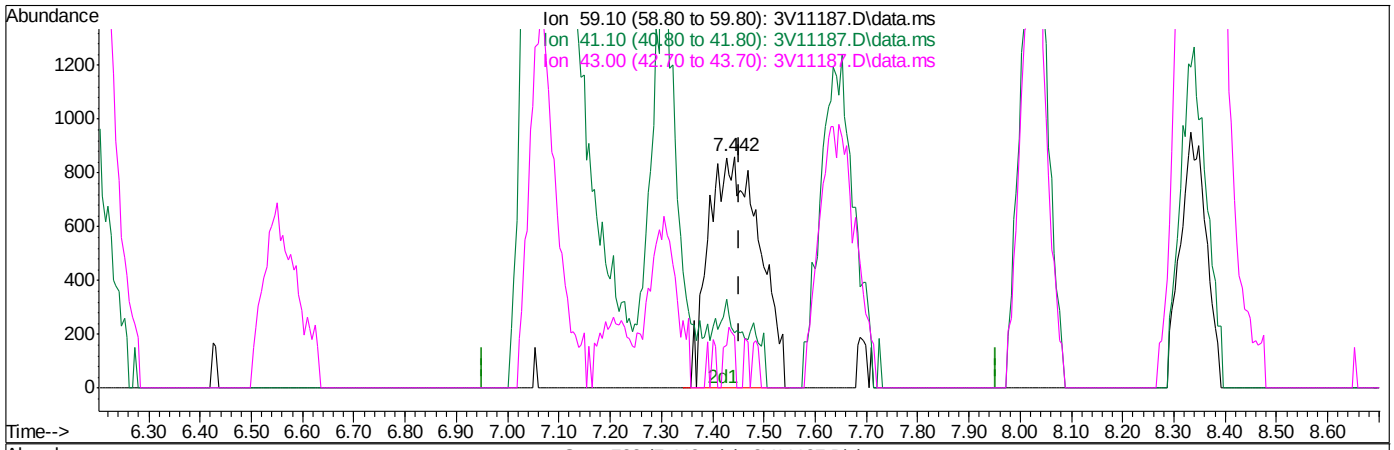
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

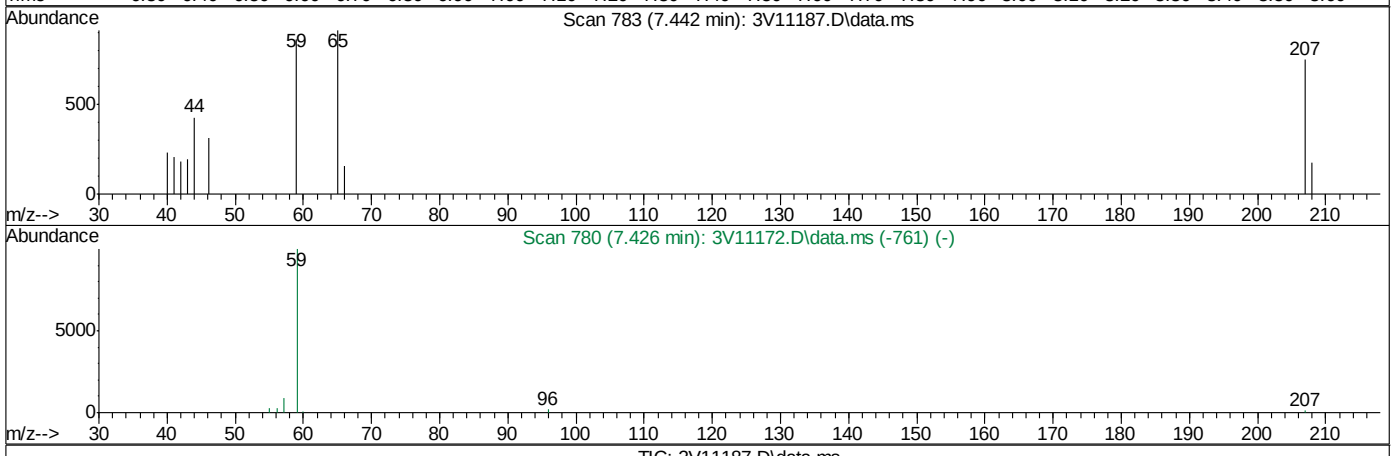
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 25.22ug/L m

response 5952

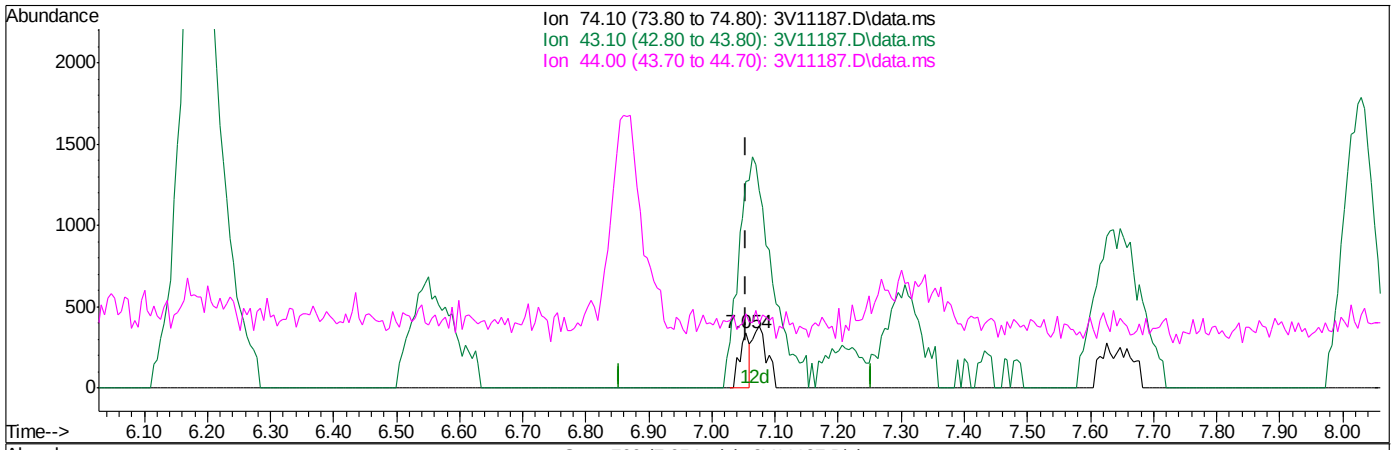
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

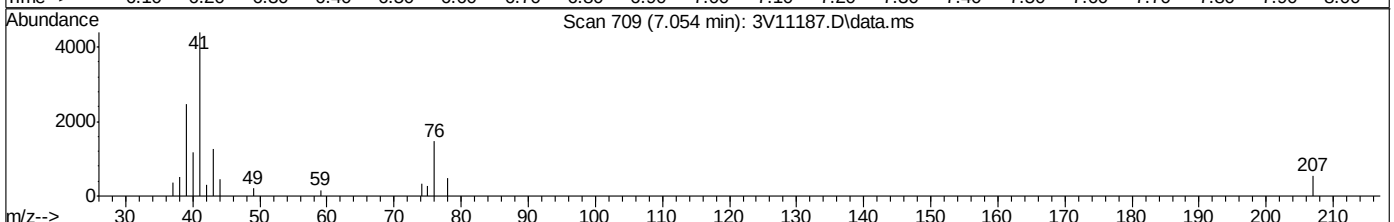
ACCUTEST LABORATORIES JB67744

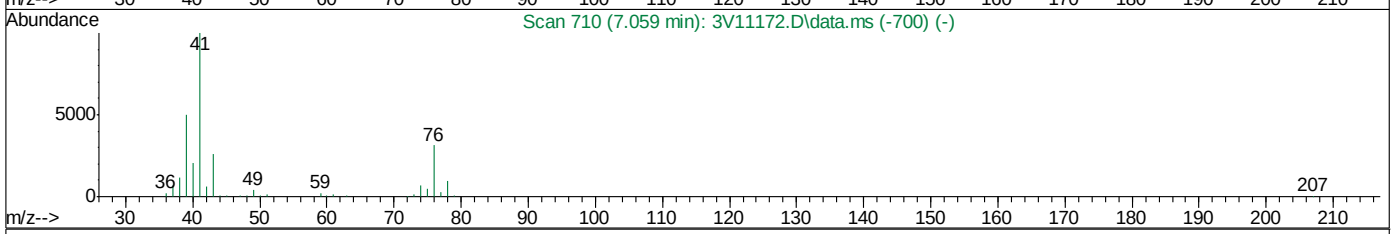
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.054min (+0.000) 1.80ug/L

response 390

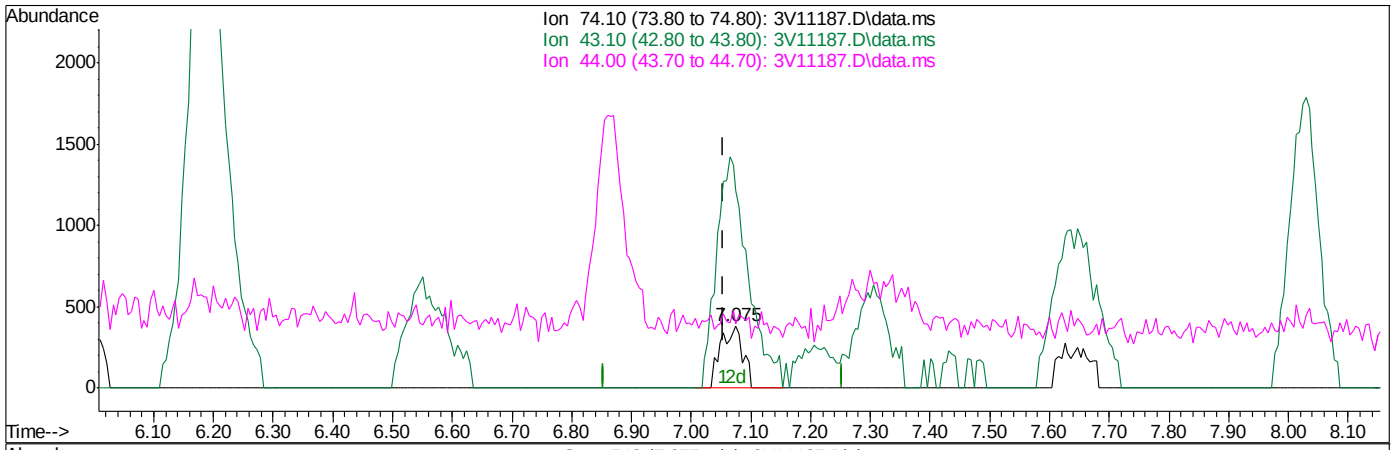
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	1333.59#
44.00	11.80	0.00
0.00	0.00	0.00

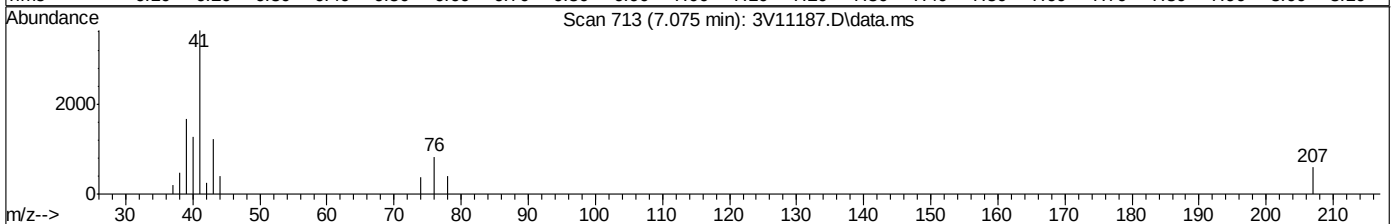
3V11187.D edits: methyl acetate

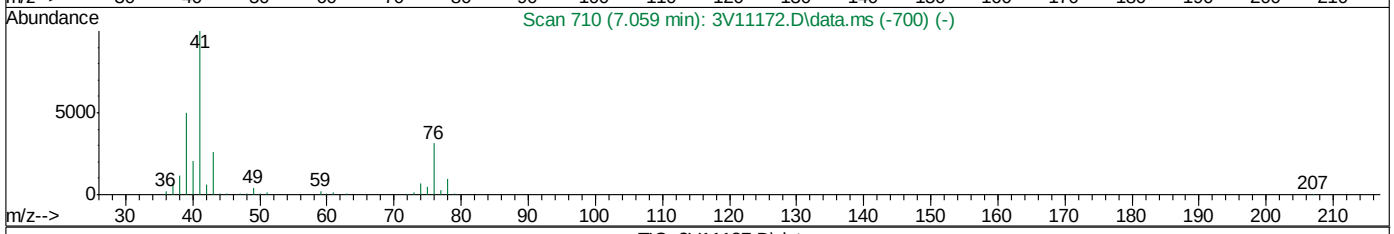
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.075min (+0.021) 4.53ug/L m

response 979

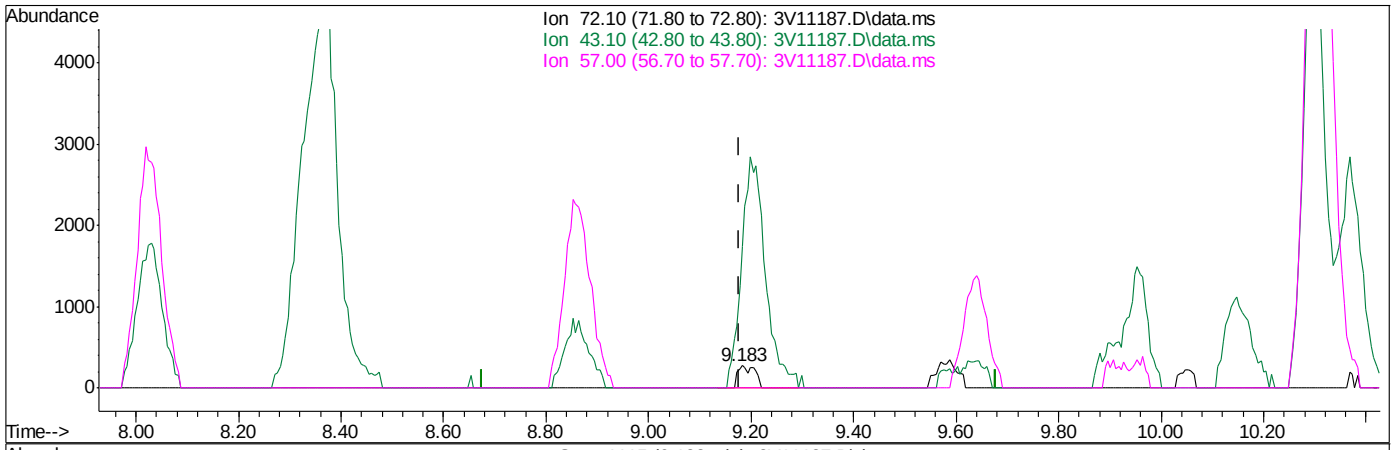
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	531.26#
44.00	11.80	0.00
0.00	0.00	0.00

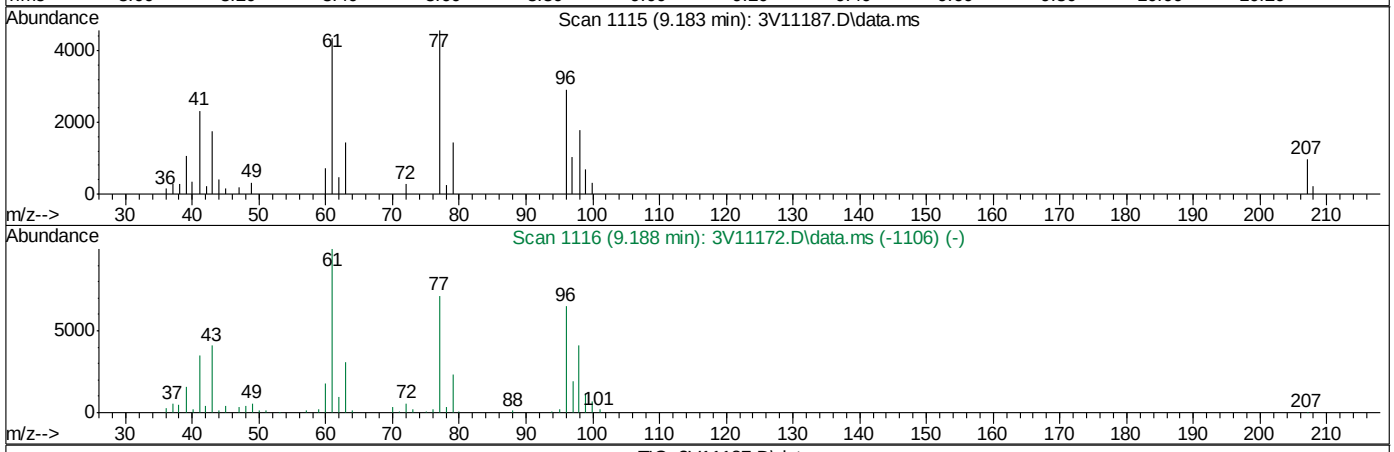
3V11187.D edits: methyl acetate

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(30) 2-butanone

9.183min (+0.005) 3.79ug/L m

response 634

Ion	Exp%	Act%
72.10	100	100
43.10	1007.00	0.00#
57.00	25.00	0.00#
0.00	0.00	0.00

3V11187.D edits: 2-butanone

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.322	65	87172	500.00	ug/L	0.01
5) pentafluorobenzene	9.786	168	155895	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	237131	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	225258	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	148116	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	19404	9.41	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 18.82%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	17155	9.58	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 19.16%#			
71) toluene-d8 (s)	12.423	98	60116	9.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 19.44%#			
95) 4-bromofluorobenzene (s)	15.165	95	25758	8.63	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 17.26%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.532	88	5496	245.83	ug/L	94
4) tertiary butyl alcohol	7.432	59	11996	48.48	ug/L	87
6) chlorodifluoromethane	3.552	51	39053	10.58	ug/L	99
7) dichlorodifluoromethane	3.547	85	43582	11.98	ug/L	99
8) chloromethane	3.851	50	34575	9.35	ug/L	98
9) vinyl chloride	4.123	62	38630	10.26	ug/L	99
10) bromomethane	4.800	94	25976	10.69	ug/L	95
11) chloroethane	5.004	64	13871	11.25	ug/L	95
12) trichlorofluoromethane	5.513	101	44460	11.25	ug/L	98
13) ethyl ether	5.969	74	7801	10.13	ug/L	94
14) 2-chloropropane	6.179	43	30544	10.19	ug/L	98
15) acrolein	6.294	56	30535	99.25	ug/L	99
16) 1,1-dichloroethene	6.435	96	21512	9.83	ug/L	97
17) acetone	6.556	43	5391	9.33	ug/L	99
18) allyl chloride	7.059	76	9640	10.36	ug/L	98
19) acetonitrile	7.070	40	13904	115.73	ug/L	90
20) iodomethane	6.750	142	45197	9.98	ug/L	97
21) iso-butyl alcohol	10.148	41	6053	106.82	ug/L	90
22) carbon disulfide	6.865	76	81861	9.74	ug/L	99
23) methylene chloride	7.290	84	24467	9.11	ug/L	95
24) 1-chloropropane	7.306	42	37116	11.38	ug/L	93
25) methyl acetate	7.065	74	2074	9.42	ug/L #	63
26) methyl tert butyl ether	7.647	73	52311	9.81	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	22282	9.58	ug/L	98
28) di-isopropyl ether	8.339	45	56619	10.39	ug/L	95
29) ethyl tert-butyl ether	8.863	59	56407	10.40	ug/L	99
30) 2-butanone	9.188	72	1599	9.03	ug/L #	65
31) 1,1-dichloroethane	8.365	63	37131	10.27	ug/L	98
32) chloroprene	8.470	53	23697	10.69	ug/L	98
33) acrylonitrile	7.704	53	24987	50.62	ug/L	97
34) vinyl acetate	8.375	86	1677	8.83	ug/L	51
35) ethyl acetate	9.204	45	1751	10.39	ug/L	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	36651	10.55	ug/L		96
37) cis-1,2-dichloroethene	9.204	96	22899	8.72	ug/L		96
38) propionitrile	9.324	54	21633	102.59	ug/L		96
39) methyl acrylate	9.288	55	13812	9.80	ug/L	#	95
40) bromochloromethane	9.545	128	10674	10.36	ug/L		99
41) tetrahydrofuran	9.581	42	4711	10.26	ug/L		94
42) chloroform	9.618	83	37217	9.64	ug/L		100
45) freon 113	6.415	151	20110	11.58	ug/L		96
46) methacrylonitrile	9.503	41	6896	9.93	ug/L		95
47) 1,1,1-trichloroethane	9.859	97	36805	10.67	ug/L		98
48) tert-amyl methyl ether	10.368	73	54954	10.15	ug/L		98
50) epichlorohydrin	12.072	57	6455	51.39	ug/L		99
51) n-butyl alcohol	10.939	56	25342	493.64	ug/L		94
52) cyclohexane	9.906	84	33087	10.49	ug/L		98
53) carbon tetrachloride	10.064	117	33717	10.57	ug/L		97
54) 1,1-dichloropropene	10.048	75	26260	10.45	ug/L		96
55) hexane	8.029	57	21011	10.20	ug/L		98
56) ISOOCTANE	10.305	57	68705	10.28	ug/L		98
57) benzene	10.331	78	76311	8.79	ug/L		98
58) heptane	10.509	57	12870	10.34	ug/L		96
59) isopropyl acetate	10.294	43	35086	10.18	ug/L		99
60) 1,2-dichloroethane	10.378	62	21384	9.89	ug/L		94
61) trichloroethene	11.091	95	20344	10.09	ug/L		98
63) 2-nitropropane	11.935	43	23687	9.75	ug/L		97
64) 2-chloroethyl vinyl ether	11.941	63	35190	52.76	ug/L		96
65) methyl methacrylate	11.291	41	12958	10.69	ug/L		95
66) 1,2-dichloropropane	11.374	63	18271	9.69	ug/L		99
67) methylcyclohexane	11.285	83	33799	10.54	ug/L		97
68) dibromomethane	11.547	93	11464	10.02	ug/L		97
69) bromodichloromethane	11.684	83	24400	9.92	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	27191	10.11	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	5274	9.96	ug/L		99
73) toluene	12.491	92	43115	9.06	ug/L		98
74) 3-methyl-1-butanol	12.297	70	8793	200.63	ug/L		95
75) trans-1,3-dichloropropene	12.722	75	22810	9.64	ug/L		94
76) ethyl methacrylate	12.711	69	15819	9.65	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	12549	10.04	ug/L		99
78) 2-hexanone	13.120	58	4601	9.45	ug/L		99
80) tetrachloroethene	13.078	166	21799	9.80	ug/L		98
81) 1,3-dichloropropane	13.120	76	22055	9.28	ug/L		97
82) butyl acetate	13.189	56	8714	10.13	ug/L		92
83) dibromochloromethane	13.388	129	19062	9.37	ug/L		98
84) 1,2-dibromoethane	13.535	107	15504	9.44	ug/L		100
86) chlorobenzene	14.001	112	53086	9.19	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	21360	9.77	ug/L		99
88) ethylbenzene	14.054	91	90063	9.52	ug/L		99
89) m,p-xylene	14.164	106	70000	18.45	ug/L		99
90) o-xylene	14.599	106	34986	8.65	ug/L		90
91) styrene	14.615	104	54388	9.62	ug/L		100
92) bromoform	14.898	173	13930	9.41	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	isopropylbenzene	14.945	105	93795	8.70	ug/L		98
96)	bromobenzene	15.359	156	26097	9.11	ug/L		99
97)	cyclohexanone	15.144	55	31028	80.66	ug/L		99
98)	1,1,2,2-tetrachloroethane	15.291	83	23945	8.89	ug/L		97
99)	trans-1,4-dichloro-2-b...	15.328	53	5144	9.87	ug/L	#	79
100)	1,2,3-trichloropropane	15.359	110	5245	9.62	ug/L		97
101)	n-propylbenzene	15.364	91	118117	8.80	ug/L		99
102)	2-chlorotoluene	15.511	126	25540	9.25	ug/L		99
103)	4-chlorotoluene	15.616	91	71783	9.08	ug/L		99
104)	1,3,5-trimethylbenzene	15.516	105	83080	8.38	ug/L		99
105)	tert-butylbenzene	15.862	119	63295	9.21	ug/L		100
106)	pentachloroethane	15.957	167	16048	8.96	ug/L		96
107)	1,2,4-trimethylbenzene	15.910	105	86737	6.81	ug/L		93
108)	sec-butylbenzene	16.072	105	113251	9.33	ug/L		99
109)	1,3-dichlorobenzene	16.266	146	55293	9.04	ug/L		100
110)	p-isopropyltoluene	16.193	119	95788	9.22	ug/L		100
111)	1,4-dichlorobenzene	16.350	146	55490	8.86	ug/L		100
112)	1,2-dichlorobenzene	16.733	146	54747	9.00	ug/L		98
113)	n-butylbenzene	16.596	92	54935	9.26	ug/L		99
114)	1,2-dibromo-3-chloropr...	17.477	75	5124	9.34	ug/L		87
115)	1,3,5-TRICHLOROBENZENE	17.629	180	54926	9.27	ug/L		98
116)	1,2,4-trichlorobenzene	18.211	180	50715	8.95	ug/L		98
117)	hexachlorobutadiene	18.300	225	27458	9.49	ug/L		99
118)	naphthalene	18.468	128	97024	8.07	ug/L		99
119)	1,2,3-trichlorobenzene	18.694	180	47717	9.01	ug/L		99
120)	hexachloroethane	16.964	119	18455	8.68	ug/L		97
121)	Benzyl chloride	16.471	91	47981	10.03	ug/L		98

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

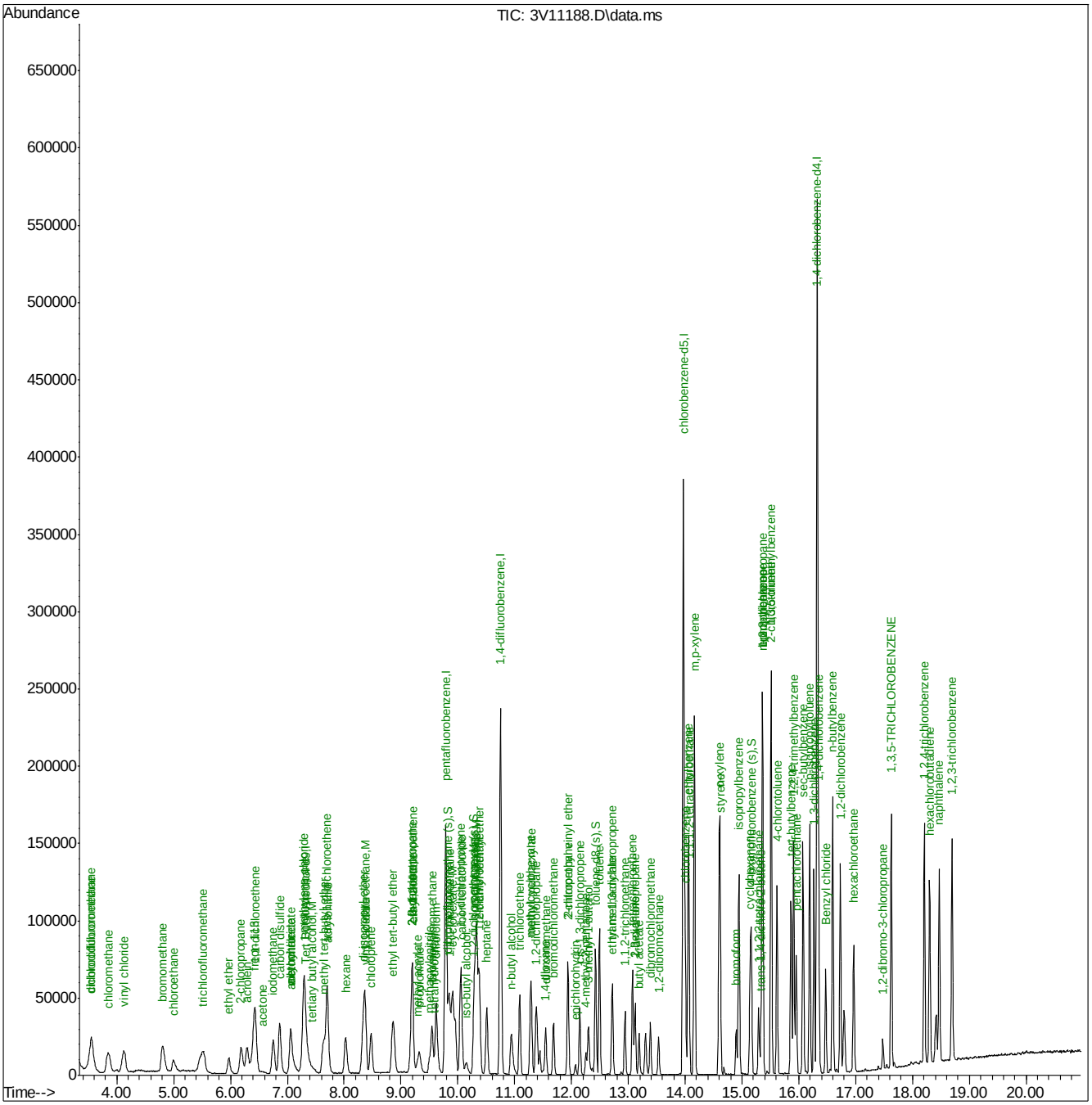
7.7.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11188.D
Acq On : 22 May 2014 12:34 pm
Operator : thienn
Sample : ic474-10
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 15:55:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.306	65	101825	500.00	ug/L	#	0.00
5) pentafluorobenzene	9.786	168	153244	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	236365	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	218905	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	143693	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	96313	47.53	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.06%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	86372	49.07	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 98.14%				
71) toluene-d8 (s)	12.423	98	295217	47.86	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 95.72%				
95) 4-bromofluorobenzene (s)	15.165	95	125790	43.46	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 86.92%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	12398	474.75	ug/L	#	100
4) tertiary butyl alcohol	7.432	59	27305	94.47	ug/L		97
6) chlorodifluoromethane	3.552	51	63978	17.63	ug/L		97
7) dichlorodifluoromethane	3.541	85	84573	23.66	ug/L		99
8) chloromethane	3.856	50	70486	19.38	ug/L		99
9) vinyl chloride	4.128	62	76706	20.73	ug/L		98
10) bromomethane	4.810	94	49730	20.83	ug/L		99
11) chloroethane	4.999	64	26797	22.11	ug/L		93
12) trichlorofluoromethane	5.518	101	86648	22.30	ug/L		99
13) ethyl ether	5.974	74	17101	22.58	ug/L		92
14) 2-chloropropane	6.184	43	62155	21.09	ug/L		97
15) acrolein	6.294	56	66185	218.85	ug/L		100
16) 1,1-dichloroethene	6.435	96	43860	20.38	ug/L		96
17) acetone	6.545	43	13274	23.37	ug/L		98
18) allyl chloride	7.059	76	20524	22.45	ug/L		98
19) acetonitrile	7.070	40	29229	247.51	ug/L		87
20) iodomethane	6.745	142	94946	21.32	ug/L		99
21) iso-butyl alcohol	10.147	41	13554	243.34	ug/L		91
22) carbon disulfide	6.865	76	168603	20.40	ug/L		98
23) methylene chloride	7.285	84	48641	18.42	ug/L		96
24) 1-chloropropane	7.306	42	69274	21.60	ug/L		97
25) methyl acetate	7.054	74	4846	22.38	ug/L	#	86
26) methyl tert butyl ether	7.641	73	113736	21.70	ug/L		97
27) trans-1,2-dichloroethene	7.699	96	45526	19.91	ug/L		96
28) di-isopropyl ether	8.339	45	109546	20.46	ug/L		99
29) ethyl tert-butyl ether	8.863	59	111490	20.90	ug/L		98
30) 2-butanone	9.188	72	4067	23.36	ug/L		99
31) 1,1-dichloroethane	8.365	63	75871	21.34	ug/L		99
32) chloroprene	8.470	53	47145	21.63	ug/L		97
33) acrylonitrile	7.704	53	57776	119.08	ug/L		98
34) vinyl acetate	8.370	86	4096	21.94	ug/L		73
35) ethyl acetate	9.198	45	3736	22.55	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	74654	21.86	ug/L		98
37) cis-1,2-dichloroethene	9.198	96	49493	19.16	ug/L		98
38) propionitrile	9.319	54	50012	241.29	ug/L		99
39) methyl acrylate	9.288	55	32145	23.20	ug/L	#	98
40) bromochloromethane	9.544	128	23265	22.98	ug/L		96
41) tetrahydrofuran	9.576	42	10457	23.16	ug/L		97
42) chloroform	9.618	83	76094	20.06	ug/L		100
45) freon 113	6.414	151	37795	22.14	ug/L		95
46) methacrylonitrile	9.497	41	15856	23.23	ug/L		93
47) 1,1,1-trichloroethane	9.854	97	74634	22.00	ug/L		99
48) tert-amyl methyl ether	10.373	73	109891	20.65	ug/L		99
50) epichlorohydrin	12.066	57	14037	112.11	ug/L		97
51) n-butyl alcohol	10.939	56	61873	1209.14	ug/L		96
52) cyclohexane	9.912	84	67574	21.49	ug/L		98
53) carbon tetrachloride	10.064	117	68473	21.53	ug/L		99
54) 1,1-dichloropropene	10.048	75	53407	21.31	ug/L		100
55) hexane	8.029	57	40507	19.73	ug/L		98
56) ISOOCTANE	10.310	57	136480	20.49	ug/L		97
57) benzene	10.331	78	156348	18.06	ug/L		99
58) heptane	10.509	57	26270	21.17	ug/L		95
59) isopropyl acetate	10.294	43	73081	21.28	ug/L		98
60) 1,2-dichloroethane	10.378	62	45879	21.29	ug/L		98
61) trichloroethene	11.091	95	41992	20.90	ug/L		100
63) 2-nitropropane	11.935	43	51321	21.18	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	74973	112.78	ug/L		99
65) methyl methacrylate	11.290	41	25143	20.82	ug/L		100
66) 1,2-dichloropropane	11.374	63	38863	20.67	ug/L		99
67) methylcyclohexane	11.285	83	65392	20.46	ug/L		97
68) dibromomethane	11.542	93	24841	21.79	ug/L		95
69) bromodichloromethane	11.684	83	51386	20.96	ug/L		96
70) cis-1,3-dichloropropene	12.145	75	57692	21.51	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	12565	23.81	ug/L		99
73) toluene	12.496	92	88809	18.72	ug/L		97
74) 3-methyl-1-butanol	12.297	70	21462	491.27	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	50682	21.49	ug/L		97
76) ethyl methacrylate	12.711	69	36667	22.44	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	26702	21.43	ug/L		96
78) 2-hexanone	13.115	58	11416	23.53	ug/L		99
80) tetrachloroethene	13.078	166	44992	20.82	ug/L		99
81) 1,3-dichloropropane	13.120	76	46951	20.34	ug/L		97
82) butyl acetate	13.188	56	20040	23.97	ug/L		99
83) dibromochloromethane	13.388	129	41409	20.95	ug/L		99
84) 1,2-dibromoethane	13.534	107	34083	21.35	ug/L		100
86) chlorobenzene	14.001	112	108771	19.37	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	44511	20.95	ug/L		98
88) ethylbenzene	14.054	91	184421	20.06	ug/L		99
89) m,p-xylene	14.164	106	143132	38.83	ug/L		97
90) o-xylene	14.599	106	73343	18.66	ug/L		95
91) styrene	14.615	104	114969	20.93	ug/L		99
92) bromoform	14.898	173	31213	21.71	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

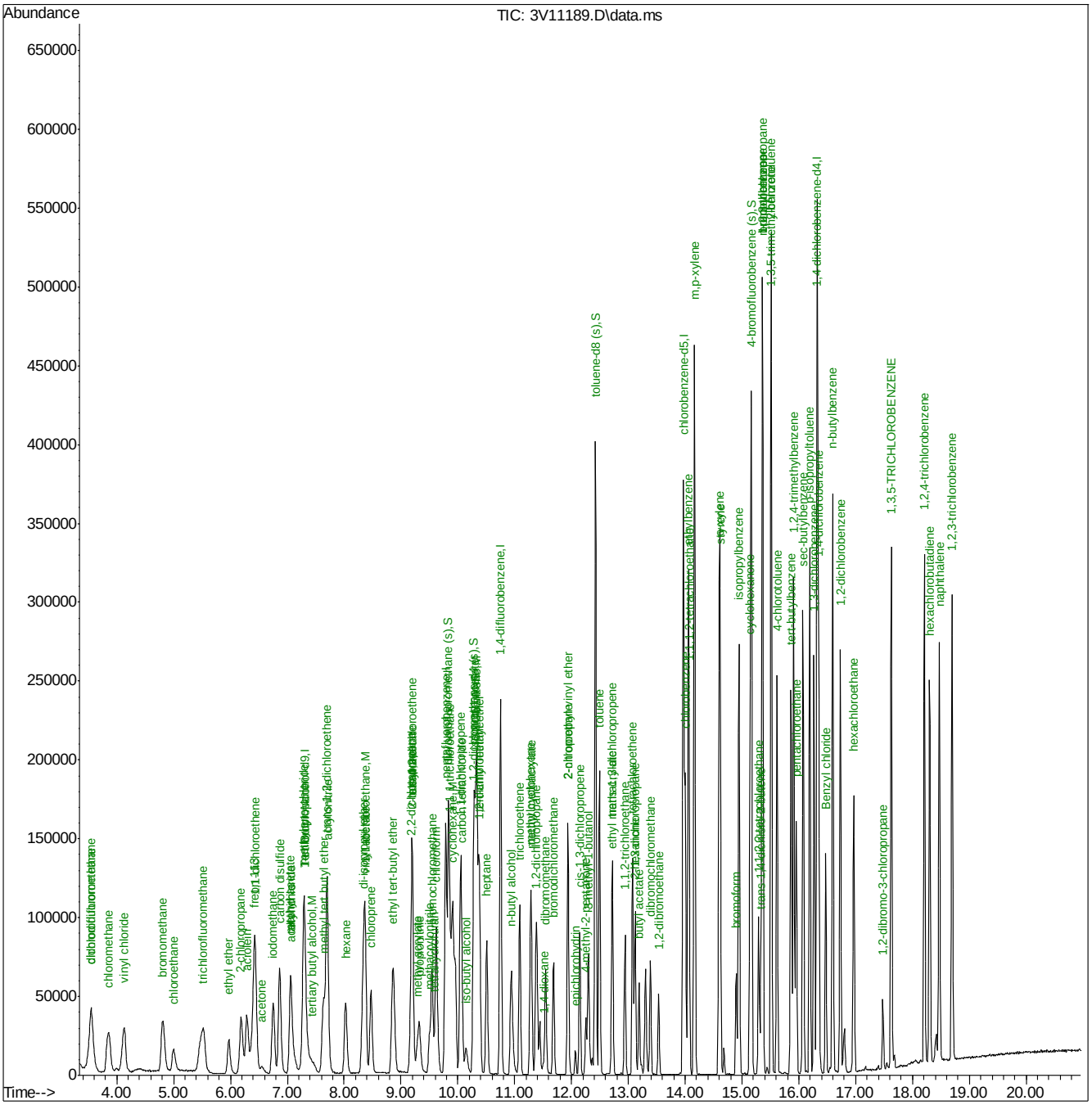
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	198743	19.00	ug/L	100
96) bromobenzene	15.359	156	53803	19.37	ug/L	98
97) cyclohexanone	15.144	55	92458	247.74	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	53202	20.35	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	11446	22.64	ug/L	94
100) 1,2,3-trichloropropane	15.359	110	11537	21.81	ug/L	91
101) n-propylbenzene	15.364	91	237095	18.20	ug/L	100
102) 2-chlorotoluene	15.511	126	52146	19.47	ug/L	98
103) 4-chlorotoluene	15.616	91	144997	18.90	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	171798	17.86	ug/L	100
105) tert-butylbenzene	15.862	119	133417	20.01	ug/L	99
106) pentachloroethane	15.957	167	34581	19.91	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	176981	14.32	ug/L	95
108) sec-butylbenzene	16.072	105	233339	19.82	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	112486	18.96	ug/L	99
110) p-isopropyltoluene	16.193	119	198047	19.66	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	112570	18.52	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	111330	18.86	ug/L	99
113) n-butylbenzene	16.596	92	113360	19.69	ug/L	98
114) 1,2-dibromo-3-chloropr...	17.477	75	11071	20.81	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	111106	19.33	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	103166	18.77	ug/L	99
117) hexachlorobutadiene	18.300	225	54654	19.47	ug/L	99
118) naphthalene	18.473	128	211212	18.12	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	97885	19.05	ug/L	99
120) hexachloroethane	16.969	119	38094	18.46	ug/L	99
121) Benzyl chloride	16.471	91	98186	21.15	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11189.D
Acq On : 22 May 2014 1:01 pm
Operator : thienn
Sample : ic474-20
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 22 15:55:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	83422	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	152902	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	230123	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	215268	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	139827	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	94725	46.85	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.70%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	82748	47.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.24%			
71) toluene-d8 (s)	12.418	98	292220	48.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 97.32%			
95) 4-bromofluorobenzene (s)	15.165	95	120199	42.67	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 85.34%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	27764	1297.69	ug/L #	99
4) tertiary butyl alcohol	7.453	59	56442	238.36	ug/L	98
6) chlorodifluoromethane	3.546	51	150643	41.60	ug/L	97
7) dichlorodifluoromethane	3.536	85	211391	59.27	ug/L	98
8) chloromethane	3.851	50	178797	49.28	ug/L	100
9) vinyl chloride	4.123	62	195973	53.08	ug/L	100
10) bromomethane	4.805	94	120861	50.73	ug/L	98
11) chloroethane	4.988	64	63781	52.75	ug/L	98
12) trichlorofluoromethane	5.513	101	211812	54.63	ug/L	99
13) ethyl ether	5.964	74	38876	51.45	ug/L	97
14) 2-chloropropane	6.178	43	148778	50.59	ug/L	100
15) acrolein	6.283	56	139386	461.94	ug/L	97
16) 1,1-dichloroethene	6.430	96	102517	47.74	ug/L	95
17) acetone	6.540	43	23176	40.90	ug/L	92
18) allyl chloride	7.054	76	46885	51.39	ug/L	97
19) acetonitrile	7.065	40	64822	550.13	ug/L	100
20) iodomethane	6.745	142	225803	50.82	ug/L	99
21) iso-butyl alcohol	10.147	41	27321	491.60	ug/L	98
22) carbon disulfide	6.860	76	401586	48.71	ug/L	100
23) methylene chloride	7.285	84	112190	42.59	ug/L	96
24) 1-chloropropane	7.300	42	143374	44.81	ug/L	100
25) methyl acetate	7.054	74	10866	50.30	ug/L	93
26) methyl tert butyl ether	7.636	73	261160	49.93	ug/L	99
27) trans-1,2-dichloroethene	7.694	96	106627	46.74	ug/L	99
28) di-isopropyl ether	8.333	45	276431	51.74	ug/L	96
29) ethyl tert-butyl ether	8.858	59	282898	53.16	ug/L	99
30) 2-butanone	9.178	72	8405	48.38	ug/L	95
31) 1,1-dichloroethane	8.365	63	176484	49.75	ug/L	99
32) chloroprene	8.470	53	119462	54.94	ug/L	99
33) acrylonitrile	7.699	53	123070	254.23	ug/L	98
34) vinyl acetate	8.370	86	10031	53.86	ug/L	80
35) ethyl acetate	9.204	45	8176	49.45	ug/L	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	180135	52.86	ug/L		99
37) cis-1,2-dichloroethene	9.198	96	114842	44.57	ug/L		97
38) propionitrile	9.324	54	104904	507.25	ug/L		91
39) methyl acrylate	9.282	55	68924	49.85	ug/L	#	100
40) bromochloromethane	9.544	128	53786	53.25	ug/L		98
41) tetrahydrofuran	9.571	42	22131	49.12	ug/L		97
42) chloroform	9.613	83	180327	47.63	ug/L		100
45) freon 113	6.404	151	95209	55.90	ug/L		97
46) methacrylonitrile	9.497	41	34747	51.03	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	180731	53.40	ug/L		99
48) tert-amyl methyl ether	10.373	73	272269	51.28	ug/L		98
50) epichlorohydrin	12.066	57	31545	258.78	ug/L		98
51) n-butyl alcohol	10.939	56	132246	2654.49	ug/L		99
52) cyclohexane	9.906	84	159965	52.25	ug/L		96
53) carbon tetrachloride	10.064	117	165915	53.59	ug/L		99
54) 1,1-dichloropropene	10.048	75	127592	52.30	ug/L		100
55) hexane	8.024	57	98336	49.19	ug/L		98
56) ISOOCTANE	10.310	57	364727	56.25	ug/L		100
57) benzene	10.331	78	370529	43.97	ug/L		99
58) heptane	10.509	57	62440	51.68	ug/L		97
59) isopropyl acetate	10.294	43	172351	51.55	ug/L		99
60) 1,2-dichloroethane	10.378	62	106182	50.60	ug/L		99
61) trichloroethene	11.086	95	99668	50.96	ug/L		97
63) 2-nitropropane	11.935	43	120010	50.88	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	179460	277.28	ug/L		100
65) methyl methacrylate	11.285	41	62536	53.18	ug/L		95
66) 1,2-dichloropropane	11.374	63	91371	49.91	ug/L		98
67) methylcyclohexane	11.285	83	168640	54.20	ug/L		100
68) dibromomethane	11.542	93	57461	51.78	ug/L		99
69) bromodichloromethane	11.684	83	123623	51.80	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	138282	52.96	ug/L		100
72) 4-methyl-2-pentanone	12.250	58	26873	52.31	ug/L		100
73) toluene	12.491	92	212115	45.91	ug/L		99
74) 3-methyl-1-butanol	12.297	70	47127	1108.02	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	118390	51.56	ug/L		97
76) ethyl methacrylate	12.711	69	83281	52.34	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	62298	51.36	ug/L		99
78) 2-hexanone	13.115	58	23569	49.89	ug/L		99
80) tetrachloroethene	13.078	166	105219	49.52	ug/L		97
81) 1,3-dichloropropane	13.120	76	107261	47.24	ug/L		100
82) butyl acetate	13.188	56	42089	51.20	ug/L		97
83) dibromochloromethane	13.388	129	98691	50.78	ug/L		97
84) 1,2-dibromoethane	13.534	107	77319	49.26	ug/L		97
86) chlorobenzene	14.001	112	256507	46.46	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	108773	52.07	ug/L		99
88) ethylbenzene	14.054	91	439509	48.62	ug/L		98
89) m,p-xylene	14.164	106	341999	94.35	ug/L		99
90) o-xylene	14.599	106	178478	46.18	ug/L		100
91) styrene	14.615	104	276737	51.23	ug/L		99
92) bromoform	14.898	173	71807	50.78	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

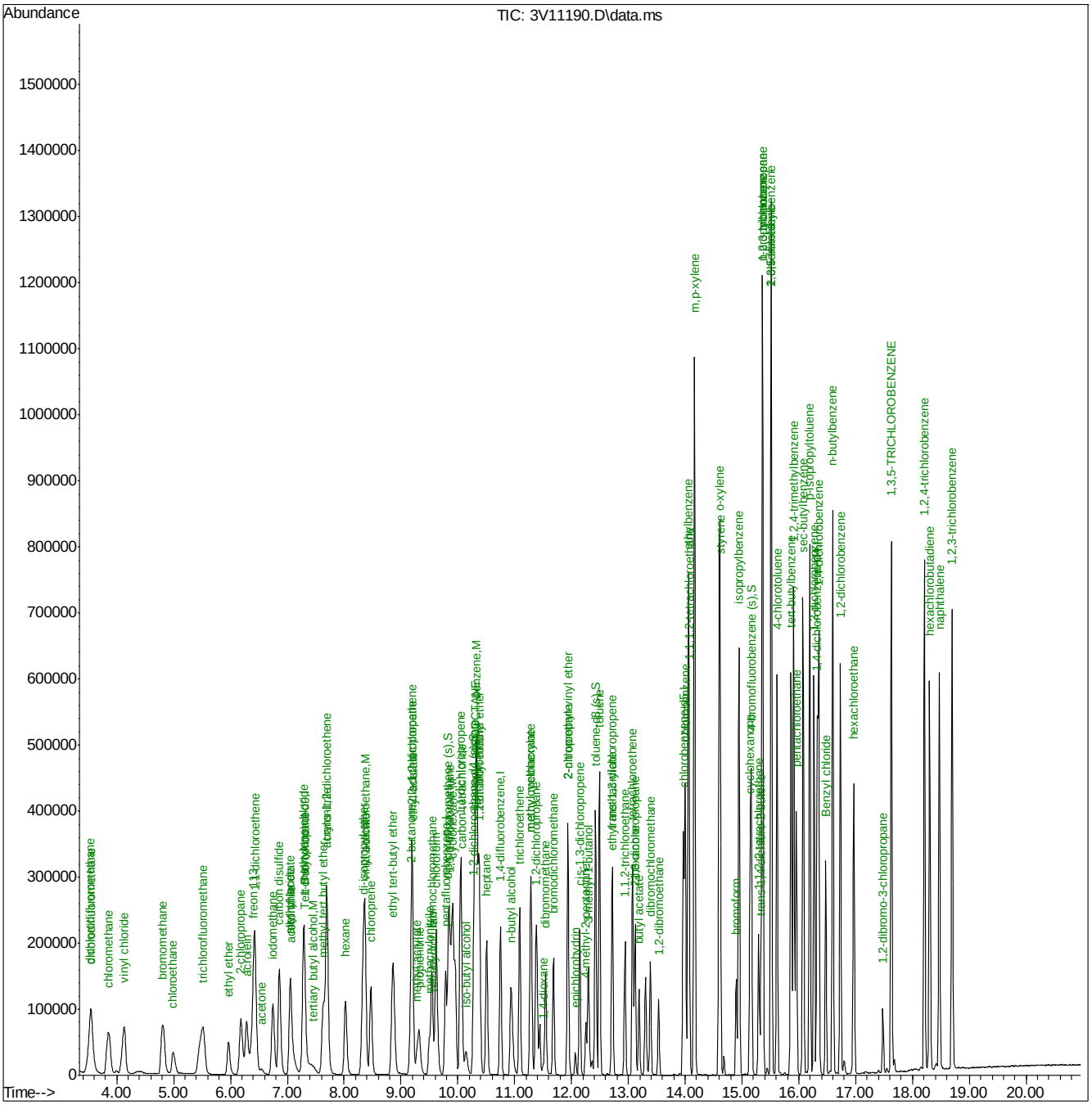
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	479873	47.15	ug/L	99
96) bromobenzene	15.359	156	126808	46.91	ug/L	98
97) cyclohexanone	15.144	55	148904	410.02	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	118022	46.40	ug/L	100
99) trans-1,4-dichloro-2-b...	15.333	53	25177	51.19	ug/L	98
100) 1,2,3-trichloropropane	15.364	110	25274	49.09	ug/L	98
101) n-propylbenzene	15.364	91	571504	45.09	ug/L	100
102) 2-chlorotoluene	15.516	126	125136	48.02	ug/L	99
103) 4-chlorotoluene	15.616	91	341405	45.72	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	420702	44.95	ug/L	99
105) tert-butylbenzene	15.862	119	331962	51.17	ug/L	98
106) pentachloroethane	15.957	167	87038	51.49	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	423347	35.20	ug/L	99
108) sec-butylbenzene	16.072	105	571696	49.90	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	264421	45.81	ug/L	99
110) p-isopropyltoluene	16.193	119	484209	49.39	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	264737	44.76	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	258683	45.03	ug/L	99
113) n-butylbenzene	16.596	92	265229	47.34	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	24116	46.59	ug/L	98
115) 1,3,5-TRICHLOROBENZENE	17.629	180	266886	47.71	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	249673	46.67	ug/L	98
117) hexachlorobutadiene	18.300	225	134286	49.16	ug/L	98
118) naphthalene	18.473	128	482009	42.49	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	234821	46.96	ug/L	99
120) hexachloroethane	16.969	119	97991	48.80	ug/L	100
121) Benzyl chloride	16.471	91	230452	51.01	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11190.D
Acq On : 22 May 2014 1:28 pm
Operator : thienn
Sample : icc474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 15:33:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	87890	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	161098	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	245102	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	227268	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	146728	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	201051	94.38	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 188.76%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	174532	94.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 188.66%#			
71) toluene-d8 (s)	12.418	98	611951	95.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 191.36%#			
95) 4-bromofluorobenzene (s)	15.165	95	246249	83.31	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 166.62%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	61261	2717.77	ug/L	98
4) tertiary butyl alcohol	7.432	59	120890	484.58	ug/L	97
6) chlorodifluoromethane	3.552	51	302745	79.35	ug/L	98
7) dichlorodifluoromethane	3.541	85	440459	117.21	ug/L	98
8) chloromethane	3.872	50	400885	104.87	ug/L	98
9) vinyl chloride	4.134	62	428711	110.21	ug/L	100
10) bromomethane	4.821	94	247908	98.77	ug/L	100
11) chloroethane	4.999	64	135789	106.60	ug/L	97
12) trichlorofluoromethane	5.513	101	458181	112.15	ug/L	100
13) ethyl ether	5.969	74	85189	107.01	ug/L	99
14) 2-chloropropane	6.189	43	310326	100.16	ug/L	99
16) 1,1-dichloroethene	6.435	96	214287	94.72	ug/L	98
17) acetone	6.546	43	49210	82.43	ug/L	94
18) allyl chloride	7.059	76	98871	102.86	ug/L	97
19) acetonitrile	7.065	40	136826	1102.13	ug/L	95
20) iodomethane	6.750	142	478507	102.21	ug/L	99
21) iso-butyl alcohol	10.148	41	58867	1005.34	ug/L	96
22) carbon disulfide	6.865	76	839491	96.64	ug/L	100
23) methylene chloride	7.285	84	238284	85.85	ug/L	96
24) 1-chloropropane	7.306	42	298007	88.41	ug/L	100
25) methyl acetate	7.065	74	23736	104.29	ug/L	98
26) methyl tert butyl ether	7.647	73	559357	101.50	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	223397	92.95	ug/L	97
28) di-isopropyl ether	8.333	45	595902	105.86	ug/L	97
29) ethyl tert-butyl ether	8.863	59	620825	110.73	ug/L	99
30) 2-butanone	9.183	72	19036	104.01	ug/L	98
31) 1,1-dichloroethane	8.365	63	374568	100.22	ug/L	100
32) chloroprene	8.475	53	260368	113.66	ug/L	98
33) acrylonitrile	7.699	53	261606	512.91	ug/L	99
34) vinyl acetate	8.370	86	22764	116.01	ug/L	88
35) ethyl acetate	9.199	45	18193	104.44	ug/L	92
36) 2,2-dichloropropane	9.188	77	373094	103.91	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	9.199	96	242334	89.26	ug/L		99
38) propionitrile	9.319	54	221264	1015.46	ug/L		95
39) methyl acrylate	9.282	55	149702	102.76	ug/L	#	99
40) bromochloromethane	9.545	128	117156	110.09	ug/L		96
41) tetrahydrofuran	9.571	42	47174	99.38	ug/L		99
42) chloroform	9.618	83	380030	95.28	ug/L		99
45) freon 113	6.414	151	205169	114.34	ug/L		98
46) methacrylonitrile	9.497	41	74594	103.98	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	377932	105.98	ug/L		98
48) tert-amyl methyl ether	10.373	73	605820	108.31	ug/L		98
50) epichlorohydrin	12.066	57	68306	526.10	ug/L		97
51) n-butyl alcohol	10.939	56	291771	5498.63	ug/L		98
52) cyclohexane	9.906	84	340304	104.37	ug/L		100
53) carbon tetrachloride	10.064	117	348260	105.61	ug/L		100
54) 1,1-dichloropropene	10.048	75	270769	104.20	ug/L		99
55) hexane	8.024	57	216088	101.49	ug/L		98
56) ISOOCTANE	10.315	57	826986	119.75	ug/L		99
57) benzene	10.331	78	788340	87.84	ug/L		100
58) heptane	10.509	57	135352	105.19	ug/L		98
59) isopropyl acetate	10.294	43	374606	105.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	228189	102.10	ug/L		99
61) trichloroethene	11.091	95	211487	101.52	ug/L		99
63) 2-nitropropane	11.935	43	260717	103.79	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	391705	568.23	ug/L		100
65) methyl methacrylate	11.285	41	134089	107.05	ug/L		95
66) 1,2-dichloropropane	11.374	63	192734	98.84	ug/L		99
67) methylcyclohexane	11.285	83	367131	110.79	ug/L		100
68) dibromomethane	11.542	93	123354	104.36	ug/L		100
69) bromodichloromethane	11.684	83	264983	104.24	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	295117	106.12	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	58152	106.28	ug/L		98
73) toluene	12.496	92	446644	90.77	ug/L		100
74) 3-methyl-1-butanol	12.297	70	103594	2286.78	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	250898	102.58	ug/L		98
76) ethyl methacrylate	12.711	69	181816	107.28	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	130885	101.30	ug/L		99
78) 2-hexanone	13.115	58	50657	100.68	ug/L		94
80) tetrachloroethene	13.078	166	227663	101.48	ug/L		99
81) 1,3-dichloropropane	13.120	76	224782	93.77	ug/L		99
82) butyl acetate	13.188	56	88891	102.42	ug/L		97
83) dibromochloromethane	13.388	129	215244	104.91	ug/L		98
84) 1,2-dibromoethane	13.535	107	165005	99.57	ug/L		98
86) chlorobenzene	14.001	112	541209	92.85	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	235342	106.71	ug/L		99
88) ethylbenzene	14.054	91	913703	95.75	ug/L		99
89) m,p-xylene	14.164	106	707231	184.80	ug/L		100
90) o-xylene	14.599	106	374954	91.89	ug/L		99
91) styrene	14.615	104	581263	101.93	ug/L		99
92) bromoform	14.898	173	156350	104.72	ug/L		99
94) isopropylbenzene	14.950	105	1015523	95.09	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

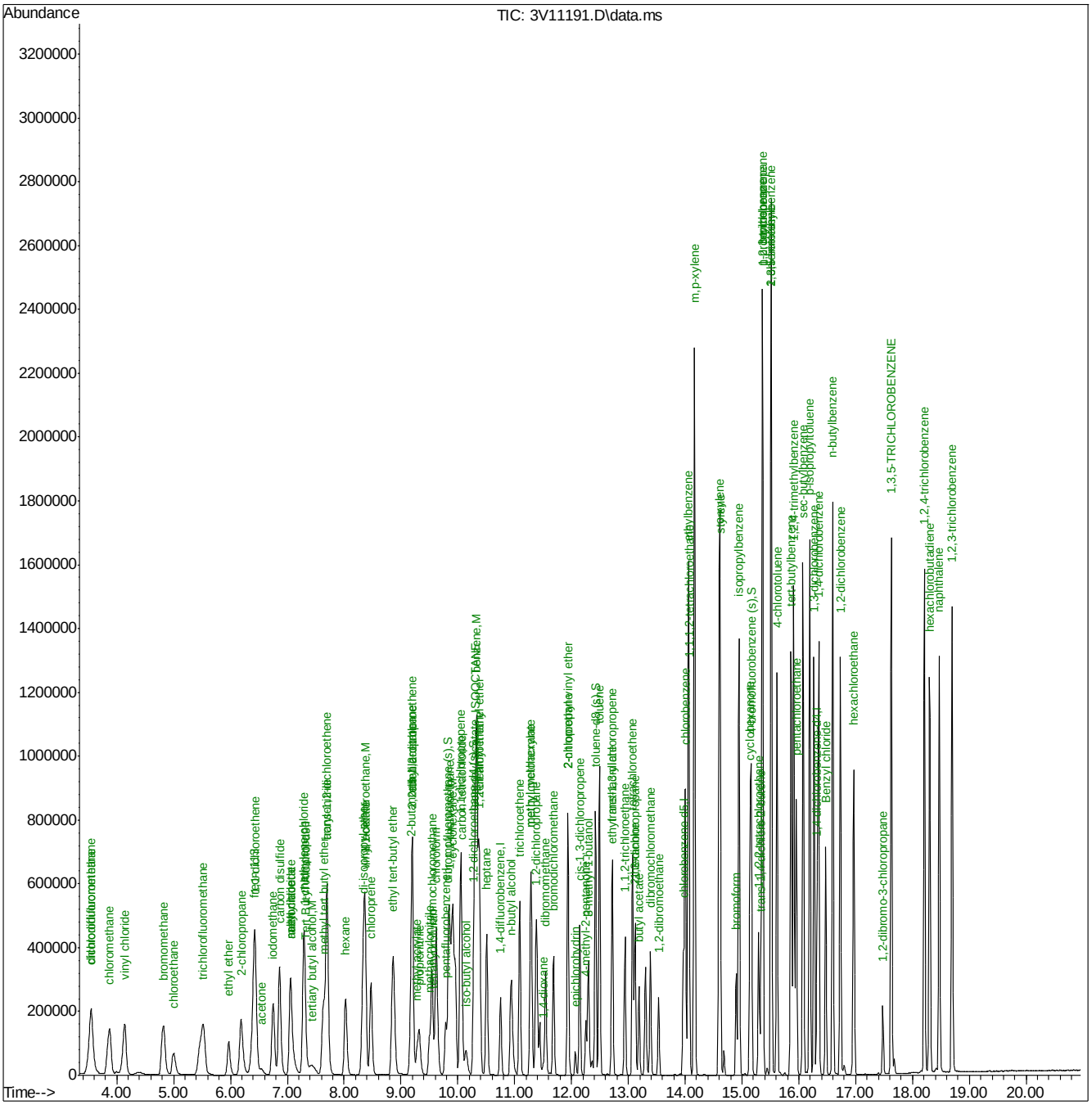
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	265833	93.70	ug/L	98
97)	cyclohexanone	15.144	55	344172	903.13	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	247154	92.60	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	53630	103.90	ug/L	100
100)	1,2,3-trichloropropane	15.364	110	52209	96.64	ug/L	98
101)	n-propylbenzene	15.364	91	1174901	88.34	ug/L	100
102)	2-chlorotoluene	15.516	126	259341	94.85	ug/L	96
103)	4-chlorotoluene	15.616	91	713434	91.05	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	898163	91.45	ug/L	99
105)	tert-butylbenzene	15.862	119	728162	106.96	ug/L	98
106)	pentachloroethane	15.957	167	190005	107.12	ug/L	98
107)	1,2,4-trimethylbenzene	15.910	105	892897	70.75	ug/L	100
108)	sec-butylbenzene	16.072	105	1229242	102.25	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	555296	91.68	ug/L	99
110)	p-isopropyltoluene	16.193	119	1019628	99.12	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	558653	90.00	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	553481	91.82	ug/L	100
113)	n-butylbenzene	16.596	92	563199	95.79	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	51494	94.79	ug/L	97
115)	1,3,5-TRICHLOROBENZENE	17.629	180	564633	96.18	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	528349	94.12	ug/L	99
117)	hexachlorobutadiene	18.300	225	289340	100.95	ug/L	99
118)	naphthalene	18.468	128	1037769	87.18	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	493208	93.99	ug/L	99
120)	hexachloroethane	16.969	119	221488	105.11	ug/L	99
121)	Benzyl chloride	16.471	91	501621	105.82	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11191.D
Acq On : 22 May 2014 1:54 pm
Operator : thienn
Sample : ic474-100
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 17:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	95252	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	176689	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	271465	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	257214	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	159325	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.838	113	455472	194.94	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 389.88%#			
44) 1,2-dichloroethane-d4 (s)	10.279	65	388372	191.38	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 382.76%#			
71) toluene-d8 (s)	12.423	98	1383078	195.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 390.50%#			
95) 4-bromofluorobenzene (s)	15.165	95	555030	172.93	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 345.86%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	122829	5028.00	ug/L	98
4) tertiary butyl alcohol	7.432	59	243320	899.94	ug/L	95
6) chlorodifluoromethane	3.557	51	622973	148.88	ug/L	98
7) dichlorodifluoromethane	3.536	85	942009	228.55	ug/L	98
8) chloromethane	3.882	50	929110	221.61	ug/L	99
9) vinyl chloride	4.144	62	981699	230.09	ug/L	99
10) bromomethane	4.826	94	499925	181.60	ug/L	100
11) chloroethane	5.004	64	265552	190.07	ug/L	98
12) trichlorofluoromethane	5.518	101	1001629	223.54	ug/L	99
13) ethyl ether	5.969	74	190214	217.86	ug/L	97
14) 2-chloropropane	6.189	43	672734	197.96	ug/L	99
16) 1,1-dichloroethene	6.435	96	463885	186.95	ug/L	96
17) acetone	6.546	43	116789	178.37	ug/L	91
18) allyl chloride	7.054	76	213332	202.36	ug/L	98
19) acetonitrile	7.070	40	275206	2021.17	ug/L	97
20) iodomethane	6.750	142	1056962	205.86	ug/L	99
21) iso-butyl alcohol	10.148	41	126378	1967.85	ug/L	98
22) carbon disulfide	6.865	76	1818526	190.86	ug/L	99
23) methylene chloride	7.290	84	526481	172.95	ug/L	97
24) 1-chloropropane	7.306	42	631208	170.73	ug/L	99
25) methyl acetate	7.059	74	48906	195.92	ug/L	100
26) methyl tert butyl ether	7.647	73	1242001	205.48	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	482414	183.00	ug/L	97
28) di-isopropyl ether	8.339	45	1291666	209.21	ug/L	99
29) ethyl tert-butyl ether	8.863	59	1358609	220.94	ug/L	99
30) 2-butanone	9.183	72	43129	214.85	ug/L	84
31) 1,1-dichloroethane	8.365	63	818562	199.69	ug/L	99
32) chloroprene	8.475	53	544625	216.77	ug/L	97
33) acrylonitrile	7.699	53	555224	992.52	ug/L	99
34) vinyl acetate	8.370	86	47795	222.09	ug/L	95
35) ethyl acetate	9.199	45	36666	191.92	ug/L	74
36) 2,2-dichloropropane	9.188	77	816645	207.37	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) cis-1,2-dichloroethene	9.199	96	538565	180.86	ug/L		99
38) propionitrile	9.324	54	474762	1986.59	ug/L		92
39) methyl acrylate	9.282	55	323282	202.33	ug/L	#	100
40) bromochloromethane	9.545	128	259023	221.92	ug/L		97
41) tetrahydrofuran	9.571	42	98205	188.62	ug/L		97
42) chloroform	9.618	83	849121	194.10	ug/L		99
45) freon 113	6.415	151	415815	211.28	ug/L		98
46) methacrylonitrile	9.503	41	162136	206.06	ug/L		99
47) 1,1,1-trichloroethane	9.859	97	822910	210.40	ug/L		99
48) tert-amyl methyl ether	10.373	73	1331416	217.02	ug/L		99
50) epichlorohydrin	12.066	57	145516	1011.94	ug/L		98
51) n-butyl alcohol	10.939	56	599197	10195.65	ug/L		97
52) cyclohexane	9.912	84	737777	204.30	ug/L		97
53) carbon tetrachloride	10.064	117	753122	206.20	ug/L		99
54) 1,1-dichloropropene	10.048	75	597637	207.66	ug/L		100
55) hexane	8.024	57	441220	187.11	ug/L		97
56) ISOOCTANE	10.315	57	1796210	234.84	ug/L		99
57) benzene	10.331	78	1755044	176.56	ug/L		100
58) heptane	10.509	57	279060	195.81	ug/L		98
59) isopropyl acetate	10.294	43	782185	198.32	ug/L		100
60) 1,2-dichloroethane	10.378	62	503992	203.61	ug/L		99
61) trichloroethene	11.091	95	468452	203.03	ug/L		99
63) 2-nitropropane	11.935	43	554107	199.16	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	838227	1097.89	ug/L		99
65) methyl methacrylate	11.291	41	278426	200.70	ug/L		92
66) 1,2-dichloropropane	11.374	63	437870	202.75	ug/L		99
67) methylcyclohexane	11.291	83	767965	209.24	ug/L		99
68) dibromomethane	11.542	93	272419	208.09	ug/L		99
69) bromodichloromethane	11.684	83	601259	213.57	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	679980	220.77	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	125538	207.15	ug/L		99
73) toluene	12.496	92	1009670	185.27	ug/L		100
74) 3-methyl-1-butanol	12.297	70	214736	4279.85	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	573058	211.55	ug/L		98
76) ethyl methacrylate	12.711	69	409505	218.16	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	301090	210.41	ug/L		99
78) 2-hexanone	13.115	58	118777	213.15	ug/L		93
80) tetrachloroethene	13.078	166	503789	198.42	ug/L		98
81) 1,3-dichloropropane	13.120	76	519340	191.43	ug/L		99
82) butyl acetate	13.188	56	186723	190.09	ug/L		100
83) dibromochloromethane	13.388	129	493353	212.47	ug/L		97
84) 1,2-dibromoethane	13.535	107	374051	199.44	ug/L		98
86) chlorobenzene	14.001	112	1226795	185.97	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	546084	218.78	ug/L		99
88) ethylbenzene	14.054	91	2089740	193.49	ug/L		100
89) m,p-xylene	14.164	106	1583853	365.69	ug/L		96
90) o-xylene	14.599	106	855931	185.34	ug/L		98
91) styrene	14.615	104	1313921	203.58	ug/L		100
92) bromoform	14.898	173	353502	209.21	ug/L		99
94) isopropylbenzene	14.950	105	2307136	198.95	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

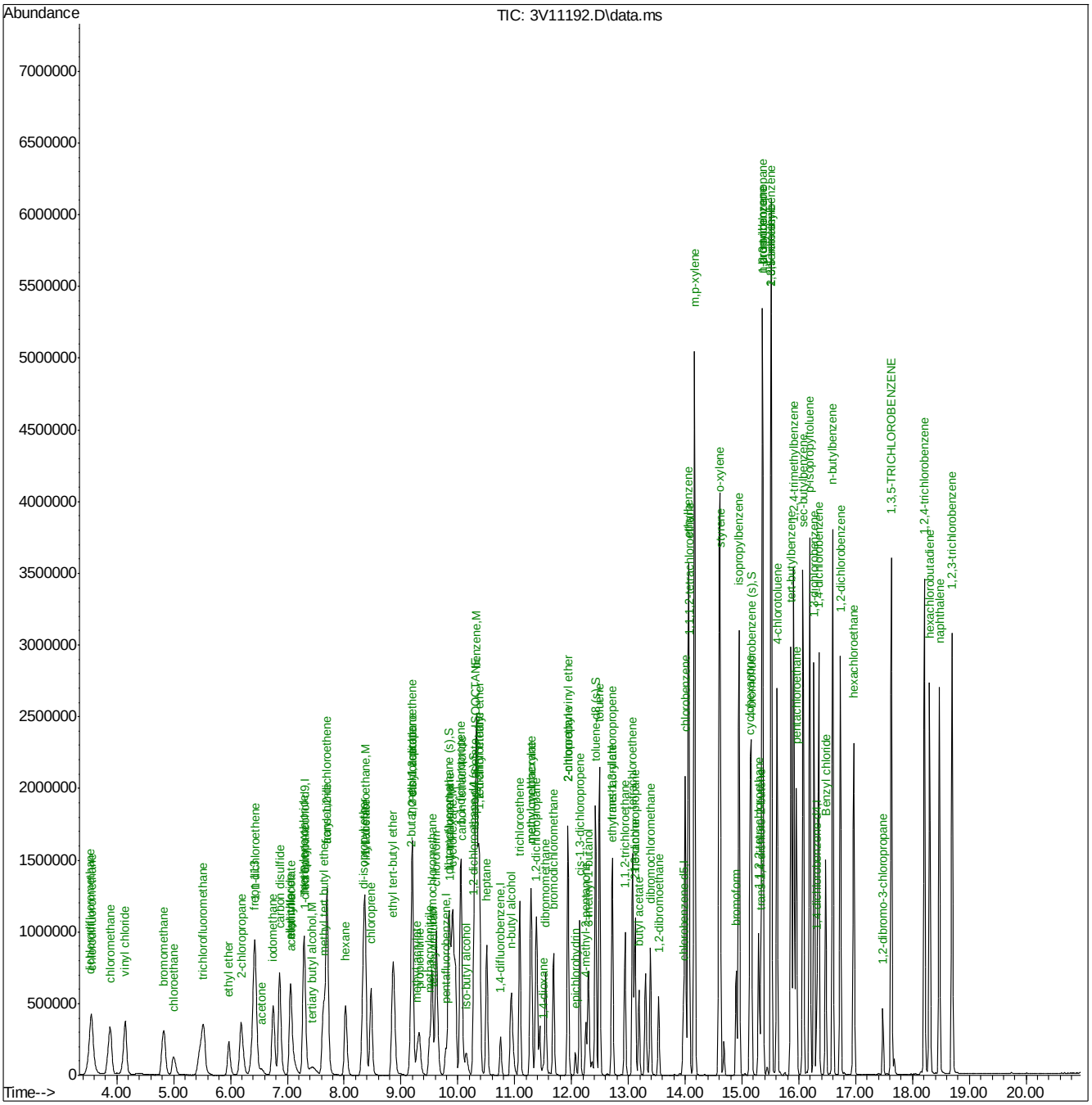
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	593579	192.69	ug/L	100
97)	cyclohexanone	15.144	55	858508	2074.67	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	556603	192.05	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	121307	216.44	ug/L	99
100)	1,2,3-trichloropropane	15.364	110	113885	194.13	ug/L	95
101)	n-propylbenzene	15.364	91	2587967	179.21	ug/L	99
102)	2-chlorotoluene	15.516	126	573214	193.07	ug/L	95
103)	4-chlorotoluene	15.616	91	1592047	187.11	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	2044182	191.69	ug/L	99
105)	tert-butylbenzene	15.862	119	1653757	223.72	ug/L	98
106)	pentachloroethane	15.957	167	441224	229.09	ug/L	97
107)	1,2,4-trimethylbenzene	15.910	105	2000846	146.00	ug/L	100
108)	sec-butylbenzene	16.077	105	2749372	210.62	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	1218037	185.20	ug/L	99
110)	p-isopropyltoluene	16.193	119	2267597	203.00	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	1208826	179.35	ug/L	100
112)	1,2-dichlorobenzene	16.733	146	1229733	187.88	ug/L	100
113)	n-butylbenzene	16.596	92	1210095	189.55	ug/L	100
114)	1,2-dibromo-3-chloropr...	17.477	75	111934	189.77	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.629	180	1215099	190.62	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	1123662	184.34	ug/L	100
117)	hexachlorobutadiene	18.300	225	621549	199.71	ug/L	99
118)	naphthalene	18.473	128	2162096	167.27	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	1040811	182.67	ug/L	100
120)	hexachloroethane	16.969	119	530913	232.02	ug/L	100
121)	Benzyl chloride	16.471	91	1078567	209.54	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11192.D
Acq On : 22 May 2014 2:21 pm
Operator : thienn
Sample : ic474-200
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 17:05:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	87793	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	164759	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	249473	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	234639	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152516	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	96963	46.51	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.02%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	84449	46.27	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.54%			
71) toluene-d8 (s)	12.423	98	298354	48.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 96.58%			
95) 4-bromofluorobenzene (s)	15.165	95	123408	46.15	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 92.30%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	30823	1377.42	ug/L #	98
4) tertiary butyl alcohol	7.437	59	60753	258.35	ug/L	94
6) chlorodifluoromethane	3.552	51	128486	39.67	ug/L	98
7) dichlorodifluoromethane	3.536	85	227686	52.02	ug/L	100
8) chloromethane	3.866	50	196032	52.04	ug/L	99
9) vinyl chloride	4.129	62	214682	52.94	ug/L	97
10) bromomethane	4.815	94	126333	49.07	ug/L	99
11) chloroethane	4.994	64	68963	51.53	ug/L	100
12) trichlorofluoromethane	5.513	101	233472	52.30	ug/L	100
13) ethyl ether	5.964	74	42268	51.04	ug/L	97
14) 2-chloropropane	6.189	43	153693	48.04	ug/L	100
15) acrolein	6.289	56	159795	482.48	ug/L	98
16) 1,1-dichloroethene	6.436	96	106131	47.58	ug/L	97
17) acetone	6.546	43	20853	35.76	ug/L	93
18) allyl chloride	7.054	76	55718	54.64	ug/L	95
19) acetonitrile	7.065	40	71418	495.73	ug/L	92
20) iodomethane	6.750	142	230355	49.45	ug/L	99
21) iso-butyl alcohol	10.148	41	30825	488.25	ug/L	99
22) carbon disulfide	6.860	76	418204	50.81	ug/L	100
23) methylene chloride	7.290	84	118252	45.15	ug/L	98
24) 1-chloropropane	7.301	42	150113	42.11	ug/L	99
25) methyl acetate	7.054	74	10449	44.89	ug/L	95
26) methyl tert butyl ether	7.641	73	542019	101.03	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	108416	45.93	ug/L	99
28) di-isopropyl ether	8.339	45	295668	52.45	ug/L	96
29) ethyl tert-butyl ether	8.858	59	296879	52.51	ug/L	99
30) 2-butanone	9.188	72	8594	46.80	ug/L	99
31) 1,1-dichloroethane	8.365	63	188359	52.11	ug/L	98
32) chloroprene	8.475	53	112295	47.08	ug/L	98
33) acrylonitrile	7.704	53	130463	245.61	ug/L	96
34) vinyl acetate	8.370	86	11450	55.80	ug/L	98
35) ethyl acetate	9.204	45	8727	48.16	ug/L	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.188	77	188000	51.41	ug/L		98
37) cis-1,2-dichloroethene	9.199	96	118621	44.07	ug/L		98
38) propionitrile	9.319	54	110392	470.53	ug/L		95
39) methyl acrylate	9.288	55	72513	47.25	ug/L	#	99
40) bromochloromethane	9.539	128	55867	50.33	ug/L		96
41) tetrahydrofuran	9.576	42	23053	47.04	ug/L		99
42) chloroform	9.613	83	190423	48.50	ug/L		99
45) freon 113	6.409	151	97927	49.21	ug/L		97
46) methacrylonitrile	9.503	41	35728	46.93	ug/L		98
47) 1,1,1-trichloroethane	9.854	97	188535	51.59	ug/L		99
48) tert-amyl methyl ether	10.373	73	286969	50.81	ug/L		98
50) epichlorohydrin	12.067	57	32450	233.39	ug/L		98
51) n-butyl alcohol	10.934	56	143888	2569.31	ug/L		99
52) cyclohexane	9.912	84	164393	50.53	ug/L		98
53) carbon tetrachloride	10.064	117	170719	51.77	ug/L		98
54) 1,1-dichloropropene	10.048	75	126880	48.98	ug/L		99
55) hexane	8.029	57	136461	66.20	ug/L		96
56) ISOOCTANE	10.315	57	350561	47.73	ug/L		98
57) benzene	10.331	78	390462	50.22	ug/L		99
58) heptane	10.509	57	80850	64.31	ug/L		96
59) isopropyl acetate	10.294	43	189882	51.74	ug/L		99
60) 1,2-dichloroethane	10.373	62	110291	50.57	ug/L		99
61) trichloroethene	11.091	95	103616	51.05	ug/L		98
63) 2-nitropropane	11.935	43	141379	54.48	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	215367	302.12	ug/L		99
65) methyl methacrylate	11.280	41	87388	67.83	ug/L		86
66) 1,2-dichloropropane	11.374	63	96951	51.86	ug/L		97
67) methylcyclohexane	11.285	83	170009	50.78	ug/L		95
68) dibromomethane	11.542	93	59895	50.96	ug/L		100
69) bromodichloromethane	11.684	83	130671	52.56	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	143017	51.73	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	28503	49.64	ug/L		98
73) toluene	12.491	92	222397	49.01	ug/L		99
74) 3-methyl-1-butanol	12.297	70	49651	1016.47	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	118690	50.47	ug/L		99
76) ethyl methacrylate	12.711	69	86177	49.19	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	64329	50.62	ug/L		99
78) 2-hexanone	13.115	58	24605	46.92	ug/L		93
80) tetrachloroethene	13.078	166	110519	50.76	ug/L		97
81) 1,3-dichloropropane	13.120	76	111254	50.49	ug/L		99
82) butyl acetate	13.189	56	44488	48.97	ug/L		100
83) dibromochloromethane	13.388	129	101096	50.13	ug/L		99
84) 1,2-dibromoethane	13.535	107	79127	50.25	ug/L		97
86) chlorobenzene	14.001	112	268424	50.76	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	111913	51.65	ug/L		98
88) ethylbenzene	14.054	91	453548	49.21	ug/L		100
89) m,p-xylene	14.164	106	353565	97.88	ug/L		99
90) o-xylene	14.599	106	186274	53.10	ug/L		100
91) styrene	14.615	104	288539	53.88	ug/L		99
92) bromoform	14.898	173	73208	49.71	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

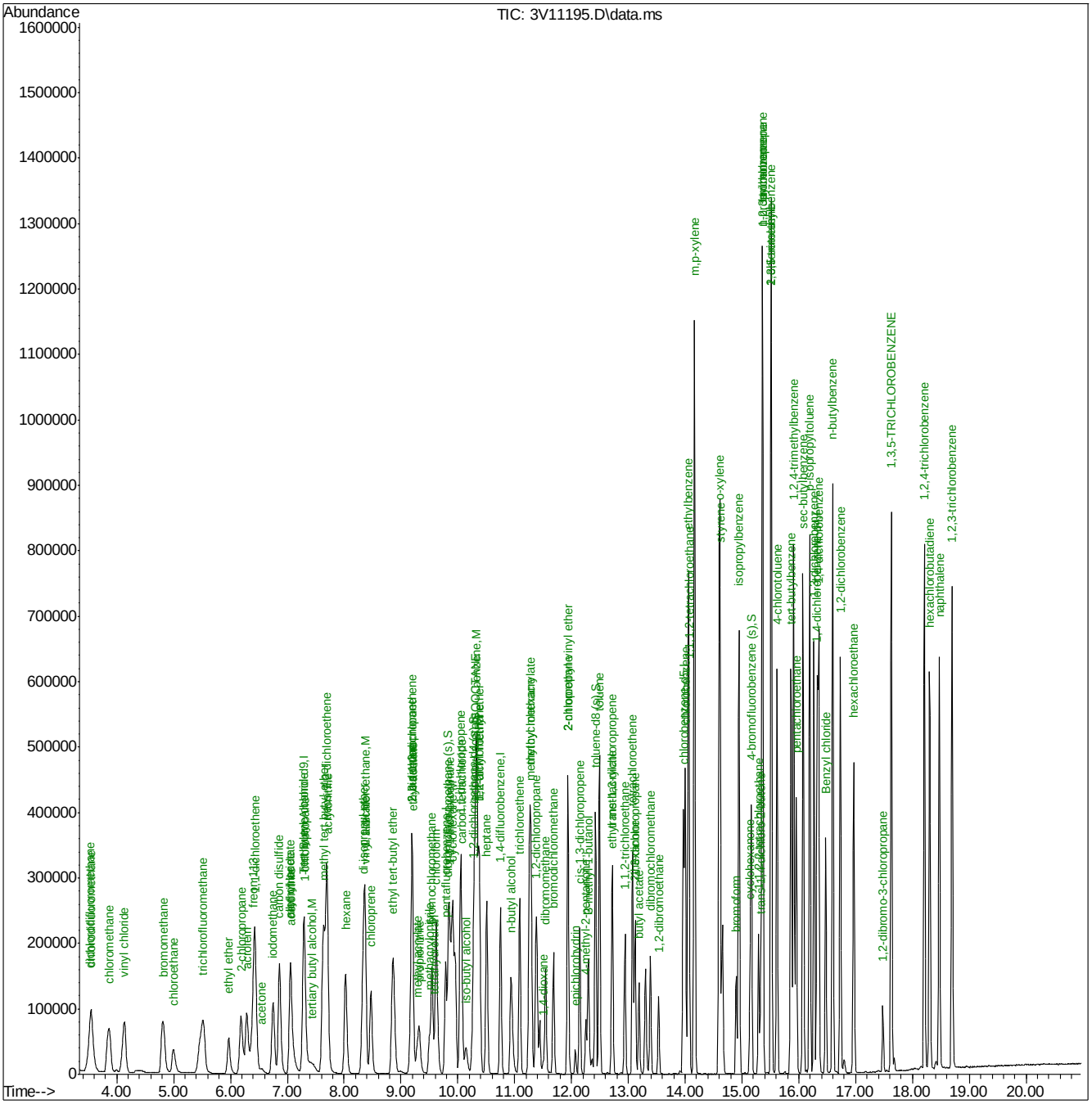
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	496313	51.49	ug/L	99
96) bromobenzene	15.359	156	131620	49.50	ug/L	99
97) cyclohexanone	15.144	55	67987	181.45	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	116808	46.91	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	25756	46.31	ug/L	94
100) 1,2,3-trichloropropane	15.364	110	25136	46.88	ug/L	98
101) n-propylbenzene	15.364	91	621639	53.47	ug/L	100
102) 2-chlorotoluene	15.516	126	127703	51.09	ug/L	100
103) 4-chlorotoluene	15.616	91	356261	49.45	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	434516	51.98	ug/L	100
105) tert-butylbenzene	15.863	119	346597	50.40	ug/L	97
106) pentachloroethane	15.957	167	91246	50.93	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	466226	52.74	ug/L	99
108) sec-butylbenzene	16.072	105	591584	51.60	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	273449	48.56	ug/L	100
110) p-isopropyltoluene	16.193	119	501601	52.90	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	273581	48.14	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	270954	48.72	ug/L	99
113) n-butylbenzene	16.597	92	285819	52.76	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	24799	44.45	ug/L	99
115) 1,3,5-TRICHLOROBENZENE	17.629	180	285142	51.24	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	265816	51.01	ug/L	98
117) hexachlorobutadiene	18.301	225	138487	51.04	ug/L	99
118) naphthalene	18.474	128	499992	48.14	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	247636	50.83	ug/L	99
120) hexachloroethane	16.969	119	102920	50.23	ug/L	99
121) Benzyl chloride	16.471	91	258883	52.54	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11238.D
Acq On : 28 May 2014 9:32 am
Operator : thienn
Sample : cc474-20
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 09:05:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	78033	500.00	ug/L	0.00
5) pentafluorobenzene	9.781	168	156306	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	229524	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	205835	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	134197	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	103774	52.47	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.94%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	87518	50.54	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.08%			
71) toluene-d8 (s)	12.418	98	329004	57.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.76%			
95) 4-bromofluorobenzene (s)	15.165	95	135698	57.67	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.34%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.500	88	11247	565.47	ug/L	95
4) tertiary butyl alcohol	7.416	59	22320	106.79	ug/L	92
6) chlorodifluoromethane	3.541	51	77067	23.11	ug/L	97
7) dichlorodifluoromethane	3.526	85	89134	21.47	ug/L	98
8) chloromethane	3.851	50	74159	20.75	ug/L	98
9) vinyl chloride	4.123	62	82059	21.33	ug/L	99
10) bromomethane	4.805	94	53409	21.87	ug/L	98
11) chloroethane	4.988	64	27309	21.51	ug/L	94
12) trichlorofluoromethane	5.508	101	90019	21.25	ug/L	95
13) ethyl ether	5.958	74	15373	19.57	ug/L	98
14) 2-chloropropane	6.179	43	62118	20.83	ug/L	99
15) acrolein	6.278	56	56363	179.38	ug/L	99
16) 1,1-dichloroethene	6.425	96	41332	19.53	ug/L	96
17) acetone	6.535	43	9497	17.17	ug/L	95
18) allyl chloride	7.044	76	20093	20.77	ug/L	89
19) acetonitrile	7.054	40	26220	191.84	ug/L	88
20) iodomethane	6.740	142	92069	20.83	ug/L	99
21) iso-butyl alcohol	10.137	41	11412	190.54	ug/L	90
22) carbon disulfide	6.855	76	168970	21.64	ug/L	100
23) methylene chloride	7.285	84	50071	20.15	ug/L	96
24) 1-chloropropane	7.301	42	65227	19.29	ug/L	99
25) methyl acetate	7.049	74	4298	19.46	ug/L	96
26) methyl tert butyl ether	7.636	73	104853	20.60	ug/L	99
27) trans-1,2-dichloroethene	7.694	96	43404	19.38	ug/L	98
28) di-isopropyl ether	8.328	45	111744	20.90	ug/L	100
29) ethyl tert-butyl ether	8.853	59	110850	20.67	ug/L	100
30) 2-butanone	9.183	72	3041	17.45	ug/L	74
31) 1,1-dichloroethane	8.360	63	73185	21.34	ug/L	99
32) chloroprene	8.470	53	47198	20.86	ug/L	97
33) acrylonitrile	7.694	53	49428	98.08	ug/L	98
34) vinyl acetate	8.360	86	3837	19.71	ug/L	75
35) ethyl acetate	9.199	45	3347	19.47	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11238.D
Acq On : 28 May 2014 9:32 am
Operator : thienn
Sample : cc474-20
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 09:05:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	75085	21.64	ug/L		97
37) cis-1,2-dichloroethene	9.193	96	44952	17.61	ug/L		99
38) propionitrile	9.314	54	41674	197.66	ug/L		88
39) methyl acrylate	9.277	55	27439	18.85	ug/L	#	97
40) bromochloromethane	9.539	128	21882	20.78	ug/L		97
41) tetrahydrofuran	9.571	42	9065	19.50	ug/L		96
42) chloroform	9.608	83	72966	19.59	ug/L		98
45) freon 113	6.404	151	39385	20.86	ug/L		95
46) methacrylonitrile	9.492	41	13345	18.48	ug/L		91
47) 1,1,1-trichloroethane	9.849	97	74382	21.45	ug/L		99
48) tert-amyl methyl ether	10.368	73	108561	20.26	ug/L		95
50) epichlorohydrin	12.067	57	12316	101.01	ug/L		96
51) n-butyl alcohol	10.934	56	50087	972.10	ug/L		99
52) cyclohexane	9.901	84	67403	22.52	ug/L		95
53) carbon tetrachloride	10.058	117	67534	22.26	ug/L		98
54) 1,1-dichloropropene	10.043	75	51144	21.46	ug/L		98
55) hexane	8.014	57	39215	20.68	ug/L		95
56) ISOOCTANE	10.305	57	133910	19.82	ug/L		96
57) benzene	10.326	78	153216	21.42	ug/L		100
58) heptane	10.504	57	25310	21.88	ug/L		97
59) isopropyl acetate	10.289	43	68917	20.41	ug/L		97
60) 1,2-dichloroethane	10.373	62	42729	21.30	ug/L		99
61) trichloroethene	11.086	95	40077	21.46	ug/L		99
63) 2-nitropropane	11.935	43	47882	20.05	ug/L		100
64) 2-chloroethyl vinyl ether	11.935	63	71801	109.48	ug/L		99
65) methyl methacrylate	11.285	41	24995	21.09	ug/L		95
66) 1,2-dichloropropane	11.369	63	36950	21.48	ug/L		100
67) methylcyclohexane	11.285	83	65464	21.25	ug/L		97
68) dibromomethane	11.542	93	22934	21.21	ug/L		95
69) bromodichloromethane	11.679	83	48770	21.32	ug/L		97
70) cis-1,3-dichloropropene	12.145	75	54806	21.55	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	10152	19.22	ug/L		96
73) toluene	12.491	92	84196	20.17	ug/L		100
74) 3-methyl-1-butanol	12.292	70	17708	394.03	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	46919	21.69	ug/L		96
76) ethyl methacrylate	12.706	69	31959	19.83	ug/L		98
77) 1,1,2-trichloroethane	12.937	83	24867	21.27	ug/L		99
78) 2-hexanone	13.115	58	9211	19.09	ug/L		96
80) tetrachloroethene	13.078	166	41744	21.86	ug/L		99
81) 1,3-dichloropropane	13.120	76	43046	22.27	ug/L		99
82) butyl acetate	13.189	56	16475	20.67	ug/L		92
83) dibromochloromethane	13.388	129	38505	21.77	ug/L		98
84) 1,2-dibromoethane	13.529	107	31111	22.52	ug/L		97
86) chlorobenzene	13.996	112	103323	22.27	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	43184	22.72	ug/L		99
88) ethylbenzene	14.054	91	175648	21.73	ug/L		99
89) m,p-xylene	14.164	106	137291	43.33	ug/L		100
90) o-xylene	14.599	106	69814	22.68	ug/L		97
91) styrene	14.615	104	107932	22.98	ug/L		98
92) bromoform	14.898	173	28513	22.07	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11238.D
Acq On : 28 May 2014 9:32 am
Operator : thienn
Sample : cc474-20
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 09:05:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

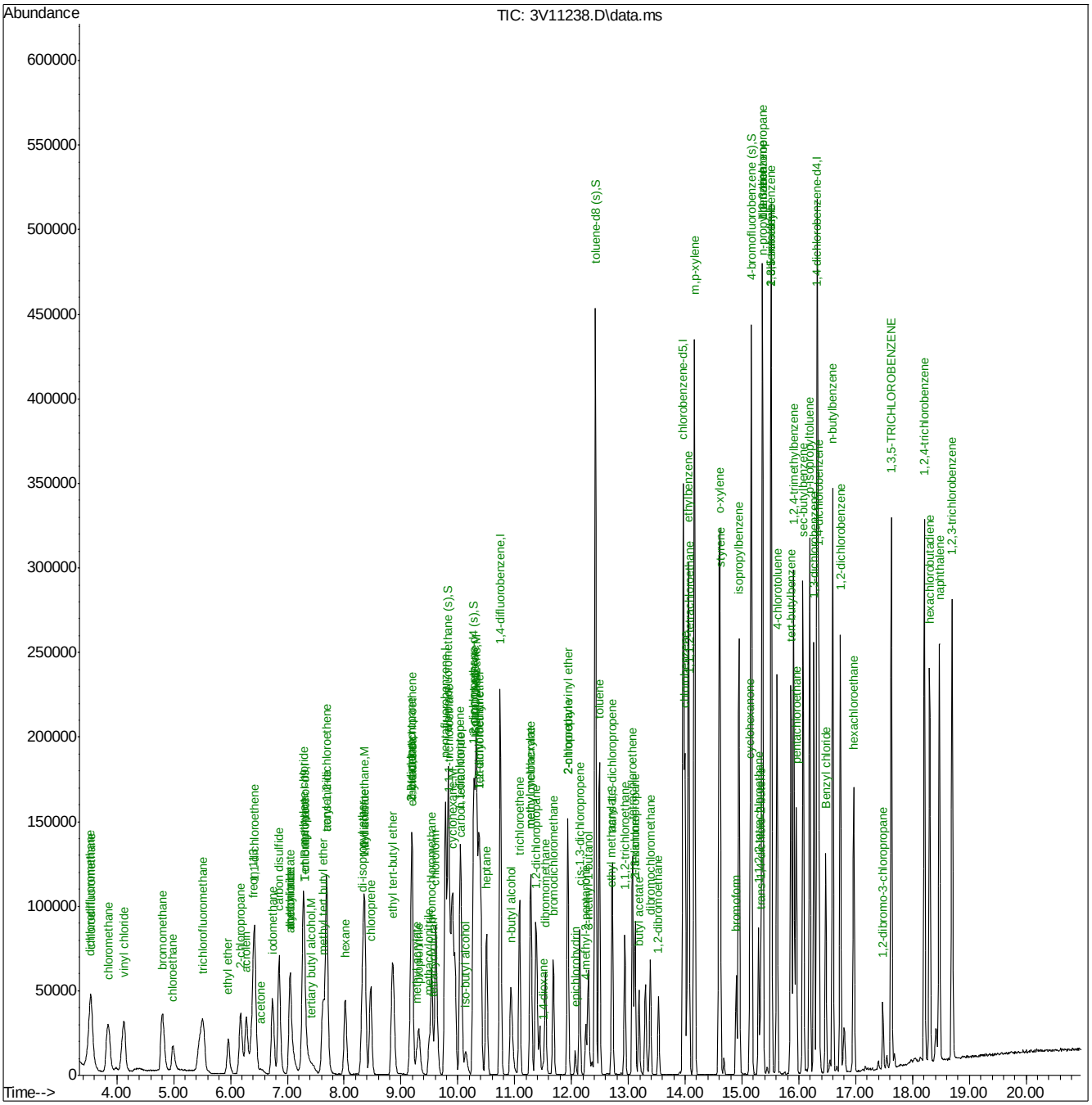
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	188108	22.18	ug/L	99
96) bromobenzene	15.359	156	51538	22.03	ug/L	99
97) cyclohexanone	15.144	55	47549	144.23	ug/L	98
98) 1,1,2,2-tetrachloroethane	15.291	83	47370	21.62	ug/L	96
99) trans-1,4-dichloro-2-b...	15.333	53	10440	21.34	ug/L	97
100) 1,2,3-trichloropropane	15.359	110	10126	21.46	ug/L	98
101) n-propylbenzene	15.364	91	227892	22.28	ug/L	99
102) 2-chlorotoluene	15.516	126	49596	22.55	ug/L	97
103) 4-chlorotoluene	15.616	91	138623	21.87	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	164246	22.33	ug/L	100
105) tert-butylbenzene	15.863	119	126785	20.95	ug/L	97
106) pentachloroethane	15.957	167	33347	21.15	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	167703	21.56	ug/L	97
108) sec-butylbenzene	16.072	105	223554	22.16	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	106968	21.59	ug/L	100
110) p-isopropyltoluene	16.193	119	188942	22.64	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	107383	21.47	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	105249	21.51	ug/L	99
113) n-butylbenzene	16.597	92	105964	22.23	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	9336	19.02	ug/L	98
115) 1,3,5-TRICHLOROBENZENE	17.629	180	105925	21.63	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	99390	21.68	ug/L	99
117) hexachlorobutadiene	18.301	225	51540	21.59	ug/L	97
118) naphthalene	18.474	128	191140	20.92	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	92037	21.47	ug/L	99
120) hexachloroethane	16.964	119	37442	20.77	ug/L	99
121) Benzyl chloride	16.471	91	92188	21.26	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11238.D
Acq On : 28 May 2014 9:32 am
Operator : thienn
Sample : cc474-20
Misc : MS65178,V3V477,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 09:05:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V1C5716

Date: 5/12/14

Print Analyst Name: Mancela Delgadillo

Analyst Signature: Mdelgadillo

Standard Data

Lot #	Description	Conc.
VOA-1522-129	EXTA	100ppm
128	B	↓
141	C	↓
↓ 86	↓ Acr	1000ppm
222511 144	PHOPIPEV	

Standard Data

Lot #	Description	Conc.
VOA-1522-119	STD A	100ppm
124	B	↓
145	C	↓
↓ 138	↓ Acr	1000ppm
123	INT. ONLY	250/2500ppm

Columns: ZB624 60Mx0.25MMx1.4u

Method V8260C/ V8260B

Initial Cal. Method V1C5716

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:** 5/27/14

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
	1C128175	BFB											ok	11:52am	
	128176	IC5716-0.2	V8260B initial Cal.	W									ok	1ul A,B,C,Ac,Surr/50mL	
	128177	IC5716-0.5											ok	2.5ul A,B,C,Ac,Surr/50mL	
	128178	IC5716-1											ok	5ul A,B,C,Ac,Surr/100mL	
	128179	IC5716-2											ok	2ul A,B,C,Ac,Surr/100mL	
	128180	IC5716-5											ok	5ul A,B,C,Ac,Surr/100mL	
	128181	IC5716-10											ok	5ul A,B,C,Ac,Surr/50mL	
	128182	IC5716-20											ok	10ul A,B,C,Ac +25ul Surr/50mL	
	128183	IC5716-50											ok	25ul A,B,C,Ac,Surr/50mL	
	128184	IC5716-100											ok	50ul A,B,C,Ac,Surr/50mL	
	128185	IC5716-200											ok	100ul A,B,C,Ac,Surr/50mL	
	128186	IB													
	128187	IB													
	128188	ICV5716-50											ok	EXT: 25ul (A,B,C,Ac) +Surr/50mL	
	128189	IB	↓	↓											

MS 1BL

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

287

7.8.1

7

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V1C5741

Date: 5/30/14

Print Analyst Name: Robert Szot

Analyst Signature:

Columns: 2B-624 (60mx0.15mmx1.4um)

Method V8260C

Initial Cal. Method M1C5716

Standard Data

Lot #	Description	Conc.
V014-1861-27	A	100 ppm
V014-1861-17	B	100
V014-1861-30	C	100
V014-1861-19	Acrolein	1000
V014-1861-18	8260IS/SUR	2500

Standard Data

Lot #	Description	Conc.
V014-1861-20	ExtA	100 ppm
V -19	ExtB	100
-18	ExtC	100
-01	ExtAcrolein	1000

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: 6/2/14

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
	1C128734	BFB				1	5						OK	10:13AM	
	1C128735	CC5716-20				2	5						OK	(and A, B, C, Acrolein) 5ml	
	1C128736	IB				3									
	1C128737	MB				4	5						OK		
	1C128738	BS				5	5						OK	25ml ExtA, ExtB, ExtC, ExtAcrolein 5ml	
	1C128739	IB				6									
	1C128740	~~JB67687-3~~ ~~JB67687-5~~ 5ml MeOH Cis/trans 1,2DCE	68111 TAGM, 1,2DCA Cis/trans 1,2DCE	G W	1	7	5		1x				OK		✓
R	1C128741	JB67528-2	67973 TCL11 MTBE		4	8	0.5/50		100x				OK		✓
D	1C128742	JB67616-2	68046 TCL11		4	9	5/50		10x				OK		✓
R	1C128743	JB67616 -4			7	10	1/50		50x				OK		✓
R	1C128744	JB67616 -5			7	11	5		1x				OK		✓
R	1C128745	JB67616 -6			4	12	5		1x				OK		✓
	1C128746	JB67687-3MS	68111 TAGM, 1,2DCA, Cis/trans 1,2DCE		2	13	5		1x				NG		✓
	1C128747	JB67687 -3MSD 0.5/30			2	14	5		1x				OK		✓
	1C128748	JB67687-3MSD ~~FB~~ 0.5/30			1	15	5		1x				OK		✓
R	1C128749	~~JB67687-4~~ ~~JB67687-5~~ 5/30	68111 TAGM, 1,2DCA Cis/trans 1,2DCE	G W	1	16	5		1x					68073 TCL11 IB	
R	1C128750	JB67744-6 ~~JB67687-5~~ 0.5/30			1	17	5		1x				OK	68111 TCL12	✓

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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: V1C5741

Date: 5/30/14

Print Analyst Name: Robert Scott

Analyst Signature:

Standard Data

Lot #	Description	Conc.
	See page	

Standard Data

Lot #	Description	Conc.
83		

Columns: ZB-624 (60m x 0.25mm x 1.4um)

Method V8260C

Initial Cal. Method MIC5716

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: 6/2/14

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
	1C128751	~~JB67744-7~~ ~~JB67687-6~~ 5/30/14	8011 TAGM, 1,1,2-TCA, C6H6, Styrene 12DCE	W	1	18	5		1x					8011G TCE 20	✓
	1C128752	~~JB67744-8~~ ~~JB67687-7~~ 5/30/14			1	19	5		1x					"	✓
	1C128753	JB67687-7 5/30/14			1	20	20/50		~~2.5x~~ ~~2.5~~ N 5/30/14					MIK	✓
	1C128754	JB67687-27			1	21	5		1x						✓
	1C128755	JB67687-23			1	22	5/50		10x						✓
	1C128756	JB67687-25			1	23	5		1x						✓
	1C128757	JB67687-25			1	24	5/50		10x						✓
	1C128758	JB67687-26			1	25	5		1x					9:57 PM	✓

AS 5/30/14

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

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7.8.2

7

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V474

Print Analyst Name: TH/EW

Date: 5/22/14

Analyst Signature:

Columns: FB-624 (60m x 0.25mm x 1.4µm

Method V8260C (SOIL)

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.
VOLU-1122-118	A	100 ppm
L 127	B	↓
1861-11	C	↓
1822-138	Addl	1000
↓ 146	Surr	100 ↓

Standard Data

Lot #	Description	Conc.
VOLU-1861-06	Int only	250/2500 ppm
1822-129	Ext A	100
1822-138	Ext B	100
1861-12	Ext C	100
1861-05	Ext Addl	1000
↓ 13	Ext Hexane	100
↓ 1822-144	Ext Heptane	100

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: DPates **Date:** 5/29/14

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
	3V11182	BFB				1							ON	9:42 Am	
	11183	1C474-0.2	8260C Initial	S	—	2	5						ON	A,B,C,Bnk, Surr 1µl/500ml	
	11184	1C474-0.5			—	3	5						ON	A,B,C,Addl, Surr 1µl/200ml	
	11185	1C474-1			—	4	5						ON	A,B,C,Surr 1µl/100ml Addl 200µl/100ml	
	11186	1C474-2			—	5	5						ON	A,B,C,Surr 2µl/100ml Addl 100µl/100ml	
	11187	1C474-5			—	6	5						ON	A,B,C,Addl,Surr 5µl/100ml	
	11188	1C474-10			—	7	5						ON	A,B,C,Addl,Surr 10µl/50ml	
	11189	1C474-20			—	8	5						ON	A,B,C,Addl: 20µl/100ml Surr 50ml/100ml	
	11190	1C474-50			—	9	5						ON	A,B,C,Addl, Surr 25µl/50ml	
	11191	1C474-100			—	10	5						ON	A,B,C,Surr 50µl/50ml	
	11192	1C474-200			—	11	5						ON	A,B,C,Surr 100µl/50ml	
	11193	IB			—	12	5						clean up		
	11194	IB			—	13	5						↓		
	11195	1C474-50			—	14	5						ON	Ext(A,B,C,Addl,Hexane,Heptane) Surr 25µl/50ml	BF SU (Ro
	11196	IB			—	15	5						clean up		
							TDM 5/22/14								

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: V3V477

Print Analyst Name: THIEN

Analyst Signature:

Columns: FB-624 (60m x0.25mm x1.4µm)

Method 8260C

Initial Cal. Method M3V474

Date: 5/28/14

Standard Data

Lot #	Description	Conc.
VOA4822-118	A	50
127	B	
1861-18	C	
23	I/S	250/2000
VOA22-138	Surr	1000

Standard Data

Lot #	Description	Conc.
VOA4861-20	Cal A	100
19	B	
25	C	
05	Surr	1000

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:** 5/29/14

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
	V112336	BFB				1							ok	S: 10 Am one 15, 155: 15:176	
	112 37	CC474-20				2	5						NG	A,B,C, Surr 1µg/5ml Some Surr ↓	
	112 38	CC474-20				3	5						ok	↓	
	112 39	MB1				4	5						ok		
	112 40	BS				5	5						ok	(or A,B,C, Surr) 25µg/5ml	
	112 41	DB				6	5						clean up.		
	112 42	JB67744-2	68115 TCL204	S	4	7	4.4						ok		
	112 43	JB67744-3			4	8	4.9						ok		
	112 44	JB67744-4			4	9	5.6						ok		
	112 45	JB67744-1			4	10	4.9						ok		
	112 46	JB67744-2MS			5	11	4.1						ok	A,B,C, Surr 1.5µg/5ml	
	112 47	DB				12	5						clo		
	112 48	JB67744-3MD			5	13	5.0						ok		
	112 49	JB67744-8			4	14	4.8						ok		
	112 50	JB67744-9			4	15	2.1						ok		
	112 51	JB67744-10			4	16	5.2						ok		
	112 52	JB67744-13			4	17	2.9						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: V3V477

Print Analyst Name: THIEU

Analyst Signature:

Date: 5/28/14

Columns: ZB-624 (60m x 0.25mm x 1.4μm)

Method 8260C

Initial Cal. Method V3V474

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 51	

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: Bates Date: 5/29/14

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
	V11253	JB67744-14	8011S TCL20+	W	4	18	4.5						OK		
	11254	JB67744-15			4	19	5.5						OK		
	11255	JB67744-5			4	20	4.2						OK		
	11256	JB67744-12			4	21	5.5						OK	6:08pm	
	11257	BB	68148 TCL20+	W	5	22	5						clo		
	11257	JB67848-1				23	5.0						OK	7:02pm	
	11258	BFB											Not used		
	11259	CC474-50				24	5			✓	✓		Failed	A,B,C, mb-1 SMG4 & surrogate	
	11260	BB				25	5						—		
	11261	MB2				26	5						Not used		
	11262	JB67768-1	68117 STAR	W	4	27	5.2						RR		
	11263	JB67768-2			4	28	5.1								
	11264	JB67768-3			4	29	5.4								
	11265	JB67768-4			4	30	5.5								
	11266	JB67768-5			4	31	4.8								
	11267	JB67809-1	68177 STAR	W	1	32	5.2								
	11268	JB67809-2			1	33	5.5								

MTS 5/28/14

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: JB67744
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
OP75114-MB1	2M63910.D	1	05/27/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

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: JB67744
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
OP75114-MB1	2M63910.D	1	05/27/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

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: JB67744
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
OP75114-MB1	2M63910.D	1	05/27/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	84%	13-110%
4165-62-2	Phenol-d5	85%	15-110%
118-79-6	2,4,6-Tribromophenol	115%	20-123%
4165-60-0	Nitrobenzene-d5	88%	10-110%
321-60-8	2-Fluorobiphenyl	85%	17-110%
1718-51-0	Terphenyl-d14	92%	30-124%

Method Blank Summary

Job Number: JB67744
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
OP75133-MB1	Z91926.D	1	05/28/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

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: JB67744
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
OP75133-MB1	Z91926.D	1	05/28/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

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: JB67744
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
OP75133-MB1	Z91926.D	1	05/28/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	45%	10-110%
4165-62-2	Phenol-d5	27%	10-110%
118-79-6	2,4,6-Tribromophenol	111%	29-139%
4165-60-0	Nitrobenzene-d5	96%	28-131%
321-60-8	2-Fluorobiphenyl	92%	30-121%
1718-51-0	Terphenyl-d14	95%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.09	4.8	ug/l	J
	Internal standard added for SIM test.	3.91	4.6	ug/l	J
	Internal standard added for SIM test.	6.00	4.6	ug/l	J
	Internal standard added for SIM test.	7.78	4.6	ug/l	J
	Internal standard added for SIM test.	10.55	4.5	ug/l	J
	Internal standard added for SIM test.	14.64	4.2	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JB67744
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
OP75136-MB1	6P7491.D	1	05/29/14	AR	05/28/14	OP75136	E6P318

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	67	6.6	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	3.9	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	67	15	ug/kg	
105-60-2	Caprolactam	ND	67	10	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	

Method Blank Summary

Job Number: JB67744
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
OP75136-MB1	6P7491.D	1	05/29/14	AR	05/28/14	OP75136	E6P318

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	8.5	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	29	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	

Method Blank Summary

Job Number: JB67744
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
OP75136-MB1	6P7491.D	1	05/29/14	AR	05/28/14	OP75136	E6P318

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	86%	13-110%
4165-62-2	Phenol-d5	79%	15-110%
118-79-6	2,4,6-Tribromophenol	103%	20-123%
4165-60-0	Nitrobenzene-d5	82%	10-110%
321-60-8	2-Fluorobiphenyl	97%	17-110%
1718-51-0	Terphenyl-d14	102%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.94	160	ug/kg	J
	system artifact/aldol-condensation	3.38	6500	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB67744
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
OP75136-MB1	M104849.D	1	06/03/14	SP	05/28/14	OP75136	EM4291

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	67	6.6	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	3.9	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	67	15	ug/kg	
105-60-2	Caprolactam	ND	67	10	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	

Method Blank Summary

Job Number: JB67744
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
OP75136-MB1	M104849.D	1	06/03/14	SP	05/28/14	OP75136	EM4291

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	8.5	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	29	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	

Method Blank Summary

Job Number: JB67744
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
OP75136-MB1	M104849.D	1	06/03/14	SP	05/28/14	OP75136	EM4291

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	78%	13-110%
4165-62-2	Phenol-d5	87%	15-110%
118-79-6	2,4,6-Tribromophenol	95%	20-123%
4165-60-0	Nitrobenzene-d5	109%	10-110%
321-60-8	2-Fluorobiphenyl	87%	17-110%
1718-51-0	Terphenyl-d14	91%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.00	190	ug/kg	J
	system artifact/aldol-condensation	3.19	7500	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JB67744
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
OP75114-BS1	2M63911.D	1	05/27/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	925	65	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	935	65	44-125
120-83-2	2,4-Dichlorophenol	1430	961	67	41-120
105-67-9	2,4-Dimethylphenol	1430	941	66	43-137
51-28-5	2,4-Dinitrophenol	2860	2230	78	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1070	75	37-136
95-48-7	2-Methylphenol	1430	902	63	40-110
	3&4-Methylphenol	1430	1030	72	39-111
88-75-5	2-Nitrophenol	1430	972	68	36-117
100-02-7	4-Nitrophenol	1430	1060	74	26-143
87-86-5	Pentachlorophenol	1430	974	68	21-123
108-95-2	Phenol	1430	920	64	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1080	76	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1100	77	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1110	78	48-119
83-32-9	Acenaphthene	1430	1200	84	46-110
208-96-8	Acenaphthylene	1430	1070	75	43-103
98-86-2	Acetophenone	1430	993	70	35-120
120-12-7	Anthracene	1430	1220	85	56-118
1912-24-9	Atrazine	1430	1380	97	57-151
56-55-3	Benzo(a)anthracene	1430	1210	85	56-117
50-32-8	Benzo(a)pyrene	1430	1370	96	56-124
205-99-2	Benzo(b)fluoranthene	1430	1320	92	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1320	92	52-126
207-08-9	Benzo(k)fluoranthene	1430	1120	78	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1430	100	51-121
85-68-7	Butyl benzyl phthalate	1430	1480	104	52-133
92-52-4	1,1'-Biphenyl	1430	1030	72	42-122
100-52-7	Benzaldehyde	1430	1160	81	30-119
91-58-7	2-Chloronaphthalene	1430	1190	83	42-110
106-47-8	4-Chloroaniline	1430	755	53	32-102
86-74-8	Carbazole	1430	1090	76	53-119
105-60-2	Caprolactam	1430	1030	72	35-144
218-01-9	Chrysene	1430	1300	91	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1140	80	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1220	85	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75114-BS1	2M63911.D	1	05/27/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1110	78	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1270	89	48-116
121-14-2	2,4-Dinitrotoluene	1430	1290	90	51-126
606-20-2	2,6-Dinitrotoluene	1430	1410	99	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	1980	69	49-115
123-91-1	1,4-Dioxane	1430	652	46	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1350	95	53-126
132-64-9	Dibenzofuran	1430	1130	79	45-114
84-74-2	Di-n-butyl phthalate	1430	1340	94	56-125
117-84-0	Di-n-octyl phthalate	1430	1390	97	49-145
84-66-2	Diethyl phthalate	1430	1280	90	52-118
131-11-3	Dimethyl phthalate	1430	1280	90	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1540	108	52-138
206-44-0	Fluoranthene	1430	1250	88	55-119
86-73-7	Fluorene	1430	1180	83	51-114
118-74-1	Hexachlorobenzene	1430	1350	95	47-122
87-68-3	Hexachlorobutadiene	1430	1240	87	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2570	90	22-126
67-72-1	Hexachloroethane	1430	1290	90	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1300	91	53-128
78-59-1	Isophorone	1430	1060	74	37-117
91-57-6	2-Methylnaphthalene	1430	1060	74	34-114
88-74-4	2-Nitroaniline	1430	1380	97	46-135
99-09-2	3-Nitroaniline	1430	1070	75	44-114
100-01-6	4-Nitroaniline	1430	1300	91	44-128
91-20-3	Naphthalene	1430	930	65	37-104
98-95-3	Nitrobenzene	1430	1100	77	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1190	83	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1270	89	51-114
85-01-8	Phenanthrene	1430	1170	82	55-113
129-00-0	Pyrene	1430	1300	91	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1190	83	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75114-BS1	2M63911.D	1	05/27/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	82%	13-110%
4165-62-2	Phenol-d5	74%	15-110%
118-79-6	2,4,6-Tribromophenol	111%	20-123%
4165-60-0	Nitrobenzene-d5	76%	10-110%
321-60-8	2-Fluorobiphenyl	82%	17-110%
1718-51-0	Terphenyl-d14	96%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75133-BS1	Z91927.D	1	05/28/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	30.8	62	42-110
59-50-7	4-Chloro-3-methyl phenol	50	35.6	71	49-120
120-83-2	2,4-Dichlorophenol	50	36.8	74	47-114
105-67-9	2,4-Dimethylphenol	50	39.4	79	48-129
51-28-5	2,4-Dinitrophenol	100	80.2	80	26-153
534-52-1	4,6-Dinitro-o-cresol	50	39.4	79	44-132
95-48-7	2-Methylphenol	50	27.0	54	39-110
	3&4-Methylphenol	50	24.7	49	36-110
88-75-5	2-Nitrophenol	50	40.3	81	45-110
100-02-7	4-Nitrophenol	50	19.7	39	10-110
87-86-5	Pentachlorophenol	50	44.2	88	32-122
108-95-2	Phenol	50	13.3	27	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	39.3	79	47-119
95-95-4	2,4,5-Trichlorophenol	50	39.8	80	52-119
88-06-2	2,4,6-Trichlorophenol	50	39.2	78	51-118
83-32-9	Acenaphthene	50	48.3	97	46-108
208-96-8	Acenaphthylene	50	42.0	84	44-101
98-86-2	Acetophenone	50	40.9	82	39-125
120-12-7	Anthracene	50	51.0	102	60-117
1912-24-9	Atrazine	50	63.0	126	58-153
100-52-7	Benzaldehyde	50	59.4	119	32-119
56-55-3	Benzo(a)anthracene	50	52.2	104	59-116
50-32-8	Benzo(a)pyrene	50	53.8	108	61-122
205-99-2	Benzo(b)fluoranthene	50	53.2	106	56-129
191-24-2	Benzo(g,h,i)perylene	50	53.3	107	54-126
207-08-9	Benzo(k)fluoranthene	50	51.5	103	53-124
101-55-3	4-Bromophenyl phenyl ether	50	52.6	105	55-120
85-68-7	Butyl benzyl phthalate	50	60.9	122	42-138
92-52-4	1,1'-Biphenyl	50	40.1	80	41-123
91-58-7	2-Chloronaphthalene	50	44.8	90	38-107
106-47-8	4-Chloroaniline	50	28.4	57	38-110
86-74-8	Carbazole	50	45.2	90	55-121
105-60-2	Caprolactam	50	9.8	20	10-113
218-01-9	Chrysene	50	52.7	105	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	51.4	103	48-117
111-44-4	bis(2-Chloroethyl)ether	50	49.0	98	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75133-BS1	Z91927.D	1	05/28/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	47.8	96	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	50.4	101	48-117
121-14-2	2,4-Dinitrotoluene	50	54.9	110	53-129
606-20-2	2,6-Dinitrotoluene	50	55.7	111	57-126
91-94-1	3,3'-Dichlorobenzidine	100	66.2	66	41-109
123-91-1	1,4-Dioxane	50	19.9	40	10-110
53-70-3	Dibenzo(a,h)anthracene	50	54.8	110	57-126
132-64-9	Dibenzofuran	50	46.3	93	46-112
84-74-2	Di-n-butyl phthalate	50	58.9	118	54-127
117-84-0	Di-n-octyl phthalate	50	56.5	113	55-142
84-66-2	Diethyl phthalate	50	52.9	106	35-130
131-11-3	Dimethyl phthalate	50	51.0	102	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	62.1	124	58-135
206-44-0	Fluoranthene	50	53.2	106	59-120
86-73-7	Fluorene	50	50.0	100	53-114
118-74-1	Hexachlorobenzene	50	50.4	101	52-120
87-68-3	Hexachlorobutadiene	50	39.3	79	10-111
77-47-4	Hexachlorocyclopentadiene	100	80.3	80	10-116
67-72-1	Hexachloroethane	50	38.2	76	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	54.8	110	56-127
78-59-1	Isophorone	50	48.5	97	45-119
91-57-6	2-Methylnaphthalene	50	46.1	92	30-112
88-74-4	2-Nitroaniline	50	53.5	107	46-136
99-09-2	3-Nitroaniline	50	34.7	69	46-113
100-01-6	4-Nitroaniline	50	52.1	104	47-129
91-20-3	Naphthalene	50	42.9	86	35-101
98-95-3	Nitrobenzene	50	46.7	93	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	48.9	98	40-118
86-30-6	N-Nitrosodiphenylamine	50	53.8	108	54-112
85-01-8	Phenanthrene	50	48.8	98	58-113
129-00-0	Pyrene	50	51.8	104	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	48.1	96	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75133-BS1	Z91927.D	1	05/28/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	49%	10-110%
4165-62-2	Phenol-d5	33%	10-110%
118-79-6	2,4,6-Tribromophenol	115%	29-139%
4165-60-0	Nitrobenzene-d5	96%	28-131%
321-60-8	2-Fluorobiphenyl	91%	30-121%
1718-51-0	Terphenyl-d14	104%	16-147%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75136-BS1	6P7492.D	1	05/29/14	AR	05/28/14	OP75136	E6P318

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1140	68	37-110
59-50-7	4-Chloro-3-methyl phenol	1670	1140	68	44-125
120-83-2	2,4-Dichlorophenol	1670	1280	77	41-120
105-67-9	2,4-Dimethylphenol	1670	1190	71	43-137
51-28-5	2,4-Dinitrophenol	3330	1820	55	21-147
534-52-1	4,6-Dinitro-o-cresol	1670	896	54	37-136
95-48-7	2-Methylphenol	1670	1090	65	40-110
	3&4-Methylphenol	1670	1040	62	39-111
88-75-5	2-Nitrophenol	1670	1190	71	36-117
100-02-7	4-Nitrophenol	1670	1090	65	26-143
87-86-5	Pentachlorophenol	1670	1080	65	21-123
108-95-2	Phenol	1670	936	56	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1160	70	40-121
95-95-4	2,4,5-Trichlorophenol	1670	1240	74	48-120
88-06-2	2,4,6-Trichlorophenol	1670	1230	74	48-119
83-32-9	Acenaphthene	1670	1590	95	46-110
208-96-8	Acenaphthylene	1670	1290	77	43-103
98-86-2	Acetophenone	1670	1260	76	35-120
120-12-7	Anthracene	1670	1490	89	56-118
1912-24-9	Atrazine	1670	1300	78	57-151
56-55-3	Benzo(a)anthracene	1670	1420	85	56-117
50-32-8	Benzo(a)pyrene	1670	1540	92	56-124
205-99-2	Benzo(b)fluoranthene	1670	1630	98	53-127
191-24-2	Benzo(g,h,i)perylene	1670	1470	88	52-126
207-08-9	Benzo(k)fluoranthene	1670	1530	92	51-122
101-55-3	4-Bromophenyl phenyl ether	1670	1670	100	51-121
85-68-7	Butyl benzyl phthalate	1670	1470	88	52-133
92-52-4	1,1'-Biphenyl	1670	1410	85	42-122
100-52-7	Benzaldehyde	1670	1140	68	30-119
91-58-7	2-Chloronaphthalene	1670	1540	92	42-110
106-47-8	4-Chloroaniline	1670	849	51	32-102
86-74-8	Carbazole	1670	1330	80	53-119
105-60-2	Caprolactam	1670	1210	73	35-144
218-01-9	Chrysene	1670	1500	90	54-121
111-91-1	bis(2-Chloroethoxy)methane	1670	1370	82	40-118
111-44-4	bis(2-Chloroethyl)ether	1670	1310	79	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75136-BS1	6P7492.D	1	05/29/14	AR	05/28/14	OP75136	E6P318

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1670	1440	86	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1670	1660	100	48-116
121-14-2	2,4-Dinitrotoluene	1670	1500	90	51-126
606-20-2	2,6-Dinitrotoluene	1670	1480	89	52-126
91-94-1	3,3'-Dichlorobenzidine	3330	2260	68	49-115
123-91-1	1,4-Dioxane	1670	771	46	10-110
53-70-3	Dibenzo(a,h)anthracene	1670	1550	93	53-126
132-64-9	Dibenzofuran	1670	1540	92	45-114
84-74-2	Di-n-butyl phthalate	1670	1530	92	56-125
117-84-0	Di-n-octyl phthalate	1670	1600	96	49-145
84-66-2	Diethyl phthalate	1670	1590	95	52-118
131-11-3	Dimethyl phthalate	1670	1610	97	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1510	91	52-138
206-44-0	Fluoranthene	1670	1460	88	55-119
86-73-7	Fluorene	1670	1590	95	51-114
118-74-1	Hexachlorobenzene	1670	1530	92	47-122
87-68-3	Hexachlorobutadiene	1670	1880	113	28-117
77-47-4	Hexachlorocyclopentadiene	3330	3330	100	22-126
67-72-1	Hexachloroethane	1670	1590	95	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1470	88	53-128
78-59-1	Isophorone	1670	1310	79	37-117
91-57-6	2-Methylnaphthalene	1670	1540	92	34-114
88-74-4	2-Nitroaniline	1670	1390	83	46-135
99-09-2	3-Nitroaniline	1670	1030	62	44-114
100-01-6	4-Nitroaniline	1670	1370	82	44-128
91-20-3	Naphthalene	1670	1590	95	37-104
98-95-3	Nitrobenzene	1670	1360	82	34-117
621-64-7	N-Nitroso-di-n-propylamine	1670	1290	77	35-115
86-30-6	N-Nitrosodiphenylamine	1670	1560	94	51-114
85-01-8	Phenanthrene	1670	1430	86	55-113
129-00-0	Pyrene	1670	1440	86	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1570	94	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67744
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
OP75136-BS1	6P7492.D	1	05/29/14	AR	05/28/14	OP75136	E6P318

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	79%	13-110%
4165-62-2	Phenol-d5	75%	15-110%
118-79-6	2,4,6-Tribromophenol	95%	20-123%
4165-60-0	Nitrobenzene-d5	77%	10-110%
321-60-8	2-Fluorobiphenyl	90%	17-110%
1718-51-0	Terphenyl-d14	86%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75114-MS	2M63912.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
OP75114-MSD	2M63913.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
JB67744-1	2M63914.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Compound	JB67744-1 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		2500	1120	45	2430	1310	54	16	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		2500	1150	46	2430	1330	55	15	25-118/41
120-83-2	2,4-Dichlorophenol	ND		2500	1170	47	2430	1370	56	16	20-111/42
105-67-9	2,4-Dimethylphenol	ND		2500	1270	51	2430	1370	56	8	21-124/40
51-28-5	2,4-Dinitrophenol	ND		5000	1150	23	4860	1460	30	24	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		2500	900	36	2430	1180	49	27	10-111/55
95-48-7	2-Methylphenol	ND		2500	1170	47	2430	1310	54	11	19-105/42
	3&4-Methylphenol	112		2500	1410	52	2430	1490	57	6	17-108/43
88-75-5	2-Nitrophenol	ND		2500	1120	45	2430	1320	54	16	11-103/44
100-02-7	4-Nitrophenol	ND		2500	1230	49	2430	1460	60	17	10-141/48
87-86-5	Pentachlorophenol	ND		2500	1000	40	2430	1250	51	22	10-114/47
108-95-2	Phenol	ND		2500	1180	47	2430	1300	54	10	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		2500	1230	49	2430	1500	62	20	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		2500	1240	50	2430	1510	62	20	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		2500	1300	52	2430	1560	64	18	21-117/40
83-32-9	Acenaphthene	228		2500	1530	52	2430	1770	63	15	25-106/38
208-96-8	Acenaphthylene	22.2	J	2500	1430	56	2430	1550	63	8	21-110/39
98-86-2	Acetophenone	ND		2500	1260	50	2430	1430	59	13	13-117/43
120-12-7	Anthracene	356		2500	1910	62	2430	1810	60	5	27-123/40
1912-24-9	Atrazine	ND		2500	1410	56	2430	1930	79	31	31-147/39
56-55-3	Benzo(a)anthracene	393		2500	2120	69	2430	1790	58	17	22-127/44
50-32-8	Benzo(a)pyrene	345		2500	2140	72	2430	2040	70	5	22-132/42
205-99-2	Benzo(b)fluoranthene	336		2500	2080	70	2430	1940	66	7	17-141/45
191-24-2	Benzo(g,h,i)perylene	149		2500	1850	68	2430	2010	77	8	23-129/42
207-08-9	Benzo(k)fluoranthene	113		2500	1410	52	2430	1660	64	16	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		2500	1680	67	2430	2080	86	21	30-116/38
85-68-7	Butyl benzyl phthalate	ND		2500	1800	72	2430	2220	91	21	26-134/40
92-52-4	1,1'-Biphenyl	52.7	J	2500	1260	48	2430	1460	58	15	22-114/41
100-52-7	Benzaldehyde	ND		2500	1430	57	2430	1600	66	11	10-115/42
91-58-7	2-Chloronaphthalene	ND		2500	1420	57	2430	1700	70	18	24-101/40
106-47-8	4-Chloroaniline	ND		2500	793	32	2430	1080	44	31	15-110/44
86-74-8	Carbazole	101	J	2500	1310	48	2430	1550	60	17	27-123/38
105-60-2	Caprolactam	ND		2500	1170	47	2430	1360	56	15	10-141/42
218-01-9	Chrysene	361		2500	2110	70	2430	1930	65	9	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		2500	1460	58	2430	1650	68	12	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		2500	1600	64	2430	1720	71	7	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75114-MS	2M63912.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
OP75114-MSD	2M63913.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
JB67744-1	2M63914.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Compound	JB67744-1 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		2500	1400	56	2430	1590	65	13	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		2500	1500	60	2430	1820	75	19	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		2500	1520	61	2430	1880	77	21	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		2500	1650	66	2430	2040	84	21	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		5000	2150	43	4860	3130	64	37	10-121/45
123-91-1	1,4-Dioxane	ND		2500	833	33	2430	864	36	4	10-110/48
53-70-3	Dibenzo(a,h)anthracene	51.9	J	2500	1650	64	2430	1970	79	18	26-129/42
132-64-9	Dibenzofuran	143		2500	1460	53	2430	1620	61	10	21-114/39
84-74-2	Di-n-butyl phthalate	ND		2500	1490	60	2430	1930	79	26	29-127/39
117-84-0	Di-n-octyl phthalate	189		2500	1530	54	2430	2000	75	27	25-140/43
84-66-2	Diethyl phthalate	ND		2500	1500	60	2430	1840	76	20	32-115/37
131-11-3	Dimethyl phthalate	ND		2500	1520	61	2430	1850	76	20	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2500	1810	72	2430	2300	95	24	26-140/43
206-44-0	Fluoranthene	690		2500	2350	66	2430	1850	48	24	16-134/44
86-73-7	Fluorene	273		2500	1650	55	2430	1750	61	6	24-116/39
118-74-1	Hexachlorobenzene	ND		2500	1560	62	2430	1910	79	20	24-118/41
87-68-3	Hexachlorobutadiene	ND		2500	1590	64	2430	1720	71	8	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		5000	1140	23	4860	1790	37	44	10-110/52
67-72-1	Hexachloroethane	ND		2500	1510	60	2430	1660	68	9	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	122		2500	1780	66	2430	1930	74	8	23-132/43
78-59-1	Isophorone	ND		2500	1350	54	2430	1540	63	13	22-105/41
91-57-6	2-Methylnaphthalene	231		2500	1490	50	2430	1490	52	0	16-108/40
88-74-4	2-Nitroaniline	ND		2500	1560	62	2430	1950	80	22	23-130/39
99-09-2	3-Nitroaniline	ND		2500	1170	47	2430	1570	65	29	19-116/40
100-01-6	4-Nitroaniline	ND		2500	1370	55	2430	1730	71	23	18-124/42
91-20-3	Naphthalene	417		2500	1640	49	2430	1400	40	16	13-103/41
98-95-3	Nitrobenzene	ND		2500	1400	56	2430	1570	65	11	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		2500	1480	59	2430	1720	71	15	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		2500	1560	62	2430	1890	78	19	26-119/38
85-01-8	Phenanthrene	930		2500	2440	60	2430	1790	35	31	19-126/42
129-00-0	Pyrene	754		2500	2770	81	2430	2040	53	30	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		2500	1490	60	2430	1760	72	17	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75114-MS	2M63912.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
OP75114-MSD	2M63913.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711
JB67744-1	2M63914.D	1	05/28/14	AD	05/27/14	OP75114	E2M2711

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10

CAS No.	Surrogate Recoveries	MS	MSD	JB67744-1	Limits
367-12-4	2-Fluorophenol	59%	68%	69%	13-110%
4165-62-2	Phenol-d5	55%	65%	71%	15-110%
118-79-6	2,4,6-Tribromophenol	75%	95%	93%	20-123%
4165-60-0	Nitrobenzene-d5	57%	65%	74%	10-110%
321-60-8	2-Fluorobiphenyl	58%	70%	72%	17-110%
1718-51-0	Terphenyl-d14	69%	84%	76%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75133-MS	Z91928.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
OP75133-MSD	Z91929.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
JB67712-1	Z91940.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Compound	JB67712-1 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		100	67.7	68	100	67.5	68	0	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		100	75.9	76	100	75.6	76	0	40-130/28
120-83-2	2,4-Dichlorophenol	ND		100	77.0	77	100	78.5	79	2	27-128/34
105-67-9	2,4-Dimethylphenol	ND		100	83.0	83	100	83.6	84	1	32-145/31
51-28-5	2,4-Dinitrophenol	ND		200	167	84	200	167	84	0	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		100	78.2	78	100	80.7	81	3	10-147/42
95-48-7	2-Methylphenol	ND		100	62.9	63	100	62.4	62	1	29-111/29
	3&4-Methylphenol	ND		100	61.1	61	100	60.6	61	1	26-114/29
88-75-5	2-Nitrophenol	ND		100	82.1	82	100	83.0	83	1	27-121/35
100-02-7	4-Nitrophenol	ND		100	57.4	57	100	56.1	56	2	10-135/37
87-86-5	Pentachlorophenol	ND		100	87.4	87	100	89.6	90	2	21-133/35
108-95-2	Phenol	ND		100	41.2	41	100	41.5	42	1	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		100	78.5	79	100	79.5	80	1	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		100	80.8	81	100	83.3	83	3	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		100	79.2	79	100	81.0	81	2	31-130/34
83-32-9	Acenaphthene	ND		100	99.4	99	100	101	101	2	41-112/29
208-96-8	Acenaphthylene	ND		100	87.3	87	100	88.5	89	1	42-101/29
98-86-2	Acetophenone	ND		100	82.9	83	100	82.1	82	1	24-142/31
120-12-7	Anthracene	ND		100	103	103	100	105	105	2	52-122/26
1912-24-9	Atrazine	ND		100	125	125	100	128	128	2	42-160/26
100-52-7	Benzaldehyde	ND		100	121	121	100	122	122	1	17-130/33
56-55-3	Benzo(a)anthracene	ND		100	106	106	100	108	108	2	50-122/26
50-32-8	Benzo(a)pyrene	ND		100	108	108	100	111	111	3	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		100	107	107	100	108	108	1	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		100	109	109	100	111	111	2	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		100	104	104	100	103	103	1	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		100	107	107	100	110	110	3	51-122/26
85-68-7	Butyl benzyl phthalate	ND		100	123	123	100	124	124	1	37-145/29
92-52-4	1,1'-Biphenyl	ND		100	82.6	83	100	83.0	83	0	40-122/30
91-58-7	2-Chloronaphthalene	ND		100	94.0	94	100	95.9	96	2	36-108/30
106-47-8	4-Chloroaniline	ND		100	42.8	43	100	36.2	36	17	24-110/32
86-74-8	Carbazole	ND		100	90.8	91	100	91.5	92	1	47-128/25
105-60-2	Caprolactam	ND		100	35.7	36	100	34.6	35	3	10-110/44
218-01-9	Chrysene	ND		100	106	106	100	108	108	2	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		100	105	105	100	106	106	1	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		100	99.8	100	100	100	100	0	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75133-MS	Z91928.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
OP75133-MSD	Z91929.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
JB67712-1	Z91940.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Compound	JB67712-1 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		100	97.0	97	100	96.9	97	0	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	102	102	100	104	104	2	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		100	110	110	100	111	111	1	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		100	112	112	100	117	117	4	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		200	99.5	50	200	86.7	43	14	14-119/33
123-91-1	1,4-Dioxane	ND		100	55.8	56	100	56.6	57	1	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		100	111	111	100	113	113	2	49-130/28
132-64-9	Dibenzofuran	ND		100	94.4	94	100	96.1	96	2	44-114/28
84-74-2	Di-n-butyl phthalate	ND		100	117	117	100	118	118	1	47-131/27
117-84-0	Di-n-octyl phthalate	ND		100	113	113	100	112	112	1	47-148/29
84-66-2	Diethyl phthalate	ND		100	106	106	100	107	107	1	32-131/29
131-11-3	Dimethyl phthalate	ND		100	103	103	100	104	104	1	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	126	126	100	127	127	1	48-144/27
206-44-0	Fluoranthene	ND		100	104	104	100	106	106	2	51-123/27
86-73-7	Fluorene	ND		100	101	101	100	103	103	2	50-116/26
118-74-1	Hexachlorobenzene	ND		100	101	101	100	105	105	4	45-123/26
87-68-3	Hexachlorobutadiene	ND		100	90.5	91	100	92.6	93	2	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		200	183	92	200	183	92	0	10-113/37
67-72-1	Hexachloroethane	ND		100	88.2	88	100	89.0	89	1	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	111	111	100	115	115	4	48-131/27
78-59-1	Isophorone	ND		100	98.5	99	100	100	100	2	42-119/30
91-57-6	2-Methylnaphthalene	ND		100	95.4	95	100	94.8	95	1	22-120/32
88-74-4	2-Nitroaniline	ND		100	108	108	100	109	109	1	43-138/29
99-09-2	3-Nitroaniline	ND		100	55.4	55	100	48.1	48	14	34-116/26
100-01-6	4-Nitroaniline	ND		100	104	104	100	104	104	0	36-131/28
91-20-3	Naphthalene	ND		100	91.3	91	100	92.7	93	2	25-108/32
98-95-3	Nitrobenzene	ND		100	96.2	96	100	97.3	97	1	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		100	99.1	99	100	98.3	98	1	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		100	106	106	100	108	108	2	46-120/26
85-01-8	Phenanthrene	ND		100	97.9	98	100	99.4	99	2	51-117/25
129-00-0	Pyrene	ND		100	106	106	100	109	109	3	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		100	106	106	100	108	108	2	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75133-MS	Z91928.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
OP75133-MSD	Z91929.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575
JB67712-1	Z91940.D	1	05/29/14	AD	05/27/14	OP75133	EZ4575

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-6, JB67744-11

CAS No.	Surrogate Recoveries	MS	MSD	JB67712-1	Limits
367-12-4	2-Fluorophenol	69%	69%	40%	10-110%
4165-62-2	Phenol-d5	53%	53%	26%	10-110%
118-79-6	2,4,6-Tribromophenol	115%	119%	95%	29-139%
4165-60-0	Nitrobenzene-d5	99%	100%	77%	28-131%
321-60-8	2-Fluorobiphenyl	93%	95%	73%	30-121%
1718-51-0	Terphenyl-d14	106%	107%	88%	16-147%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75136-MS	6P7645.D	1	06/02/14	AR	05/28/14	OP75136	E6P323
OP75136-MSD	6P7646.D	1	06/02/14	AR	05/28/14	OP75136	E6P323
JB67751-3	6P7616.D	1	06/02/14	AD	05/28/14	OP75136	E6P322

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	JB67751-3 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	1590	96	1730	1510	87	5	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1660	2430	147* [a]	1730	2790	161* [a]	14	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1660	1430	86	1730	1410	81	1	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1660	1670	101	1730	1650	95	1	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3310	ND	0* [a]	3470	ND	0* [a]	nc	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1660	907	55	1730	ND	0* [a]	200* [a]	10-111/55
95-48-7	2-Methylphenol	ND		1660	1690	102	1730	1660	96	2	19-105/42
	3&4-Methylphenol	ND		1660	1610	97	1730	1620	93	1	17-108/43
88-75-5	2-Nitrophenol	ND		1660	2010	121* [a]	1730	1860	107* [a]	8	11-103/44
100-02-7	4-Nitrophenol	ND		1660	ND	0* [a]	1730	4950	285* [a]	200* [a]	10-141/48
87-86-5	Pentachlorophenol	ND		1660	1240	75	1730	1090	63	13	10-114/47
108-95-2	Phenol	ND		1660	1380	83	1730	1400	81	1	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1660	1560	94	1730	1510	87	3	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1660	2010	121* [a]	1730	2010	116	0	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1660	2090	126* [a]	1730	1990	115	5	21-117/40
83-32-9	Acenaphthene	1460		1660	3760	139* [a]	1730	3450	115* [a]	9	25-106/38
208-96-8	Acenaphthylene	ND		1660	2350	142* [a]	1730	2790	161* [a]	17	21-110/39
98-86-2	Acetophenone	ND		1660	1610	97	1730	1560	90	3	13-117/43
120-12-7	Anthracene	4460		1660	8250	229* [b]	1730	6900	141* [b]	18	27-123/40
1912-24-9	Atrazine	ND		1660	1460	88	1730	3060	176* [a]	71* [a]	31-147/39
56-55-3	Benzo(a)anthracene	2930		1660	7020	247* [a]	1730	5230	133* [a]	29	22-127/44
50-32-8	Benzo(a)pyrene	2120		1660	4580	148* [a]	1730	2910	46	45* [a]	22-132/42
205-99-2	Benzo(b)fluoranthene	832		1660	2900	125	1730	2840	116	2	17-141/45
191-24-2	Benzo(g,h,i)perylene	1880		1660	4440	154* [a]	1730	4030	124	10	23-129/42
207-08-9	Benzo(k)fluoranthene	125	J	1660	1790	100	1730	1930	104	8	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1660	1890	114	1730	1790	103	5	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1660	1600	97	1730	1510	87	6	26-134/40
92-52-4	1,1'-Biphenyl	ND		1660	1820	110	1730	1790	103	2	22-114/41
100-52-7	Benzaldehyde	ND		1660	1290	78	1730	1250	72	3	10-115/42
91-58-7	2-Chloronaphthalene	ND		1660	1820	110* [a]	1730	1840	106* [a]	1	24-101/40
106-47-8	4-Chloroaniline	ND		1660	1050	63	1730	1090	63	4	15-110/44
86-74-8	Carbazole	ND		1660	2680	162* [a]	1730	3030	175* [a]	12	27-123/38
105-60-2	Caprolactam	ND		1660	7460	450* [a]	1730	14100	813* [a]	62* [a]	10-141/42
218-01-9	Chrysene	6890		1660	11100	254* [b]	1730	9150	130	19	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1660	2500	151* [a]	1730	1780	103	34	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1660	1630	98	1730	1530	88	6	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75136-MS	6P7645.D	1	06/02/14	AR	05/28/14	OP75136	E6P323
OP75136-MSD	6P7646.D	1	06/02/14	AR	05/28/14	OP75136	E6P323
JB67751-3	6P7616.D	1	06/02/14	AD	05/28/14	OP75136	E6P322

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Compound	JB67751-3 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	1530	92	1730	1820	105	17	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1660	2260	136* [a]	1730	2100	121* [a]	7	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1660	1680	101	1730	1860	107	10	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1660	2730	165* [a]	1730	2750	159* [a]	1	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3310	4050	122* [a]	3470	3940	114	3	10-121/45
123-91-1	1,4-Dioxane	ND		1660	423	26	1730	434	25	3	10-110/48
53-70-3	Dibenzo(a,h)anthracene	ND		1660	2900	175* [a]	1730	2440	141* [a]	17	26-129/42
132-64-9	Dibenzofuran	ND		1660	4560	275* [a]	1730	4190	242* [a]	8	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1660	1860	112	1730	1860	107	0	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1660	1220	74	1730	1390	80	13	25-140/43
84-66-2	Diethyl phthalate	ND		1660	1830	110	1730	1870	108	2	32-115/37
131-11-3	Dimethyl phthalate	ND		1660	1870	113	1730	2110	122* [a]	12	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1660	1540	93	1730	1610	93	4	26-140/43
206-44-0	Fluoranthene	ND		1660	4360	263* [a]	1730	3940	227* [a]	10	16-134/44
86-73-7	Fluorene	4830		1660	8120	199* [b]	1730	7200	137* [b]	12	24-116/39
118-74-1	Hexachlorobenzene	ND		1660	1960	118	1730	2110	122* [a]	7	24-118/41
87-68-3	Hexachlorobutadiene	ND		1660	1890	114* [a]	1730	1910	110	1	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3310	ND	0* [a]	3470	ND	0* [a]	nc	10-110/52
67-72-1	Hexachloroethane	ND		1660	1410	85	1730	1270	73	10	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1660	2970	179* [a]	1730	2930	169* [a]	1	23-132/43
78-59-1	Isophorone	ND		1660	1670	101	1730	1680	97	1	22-105/41
91-57-6	2-Methylnaphthalene	ND		1660	1940	117* [a]	1730	2000	115* [a]	3	16-108/40
88-74-4	2-Nitroaniline	ND		1660	1960	118	1730	2250	130	14	23-130/39
99-09-2	3-Nitroaniline	ND		1660	3100	187* [a]	1730	2370	137* [a]	27	19-116/40
100-01-6	4-Nitroaniline	ND		1660	1610	97	1730	1820	105	12	18-124/42
91-20-3	Naphthalene	ND		1660	2070	125* [a]	1730	2150	124* [a]	4	13-103/41
98-95-3	Nitrobenzene	ND		1660	1710	103	1730	1760	102	3	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1660	2300	139* [a]	1730	2230	129* [a]	3	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1660	11200	676* [a]	1730	10200	588* [a]	9	26-119/38
85-01-8	Phenanthrene	4470		1660	2730	0* [b]	1730	2610	0* [b]	4	19-126/42
129-00-0	Pyrene	10000		1660	14700	284* [b]	1730	12900	167* [b]	13	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1660	1630	98	1730	1640	95	1	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67744
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
OP75136-MS	6P7645.D	1	06/02/14	AR	05/28/14	OP75136	E6P323
OP75136-MSD	6P7646.D	1	06/02/14	AR	05/28/14	OP75136	E6P323
JB67751-3	6P7616.D	1	06/02/14	AD	05/28/14	OP75136	E6P322

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67744-12, JB67744-13, JB67744-14, JB67744-15

CAS No.	Surrogate Recoveries	MS	MSD	JB67751-3	Limits
367-12-4	2-Fluorophenol	77%	71%		13-110%
4165-62-2	Phenol-d5	85%	81%		15-110%
118-79-6	2,4,6-Tribromophenol	125%* [a]	113%		20-123%
4165-60-0	Nitrobenzene-d5	94%	86%	84%	10-110%
321-60-8	2-Fluorobiphenyl	106%	105%	97%	17-110%
1718-51-0	Terphenyl-d14	111%	101%	103%	30-124%

(a) Outside control limits due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E2M2693-DFTPP
Lab File ID: 2M63419.D
Instrument ID: GCMS2M
Injection Date: 05/13/14
Injection Time: 14:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	42389	36.2		Pass
68	Less than 2.0% of mass 69	506	0.43	(1.09) [a]	Pass
69	Mass 69 relative abundance	46590	39.7		Pass
70	Less than 2.0% of mass 69	273	0.23	(0.59) [a]	Pass
127	40.0 - 60.0% of mass 198	66482	56.7		Pass
197	Less than 1.0% of mass 198	362	0.31		Pass
198	Base peak, 100% relative abundance	117232	100.0		Pass
199	5.0 - 9.0% of mass 198	7802	6.66		Pass
275	10.0 - 30.0% of mass 198	24181	20.6		Pass
365	1.0 - 100.0% of mass 198	2718	2.32		Pass
441	Present, but less than mass 443	16083	13.7	(76.0) [b]	Pass
442	40.0 - 100.0% of mass 198	108621	92.7		Pass
443	17.0 - 23.0% of mass 442	21155	18.0	(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
E2M2693-IC2693	2M63420.D	05/13/14	14:27	00:11	Initial cal 100
E2M2693-IC2693	2M63421.D	05/13/14	14:53	00:37	Initial cal 1
E2M2693-IC2693	2M63422.D	05/13/14	15:42	01:26	Initial cal 80
E2M2693-ICC2693	2M63423.D	05/13/14	16:07	01:51	Initial cal 50
E2M2693-IC2693	2M63424.D	05/13/14	16:42	02:26	Initial cal 25
E2M2693-IC2693	2M63425.D	05/13/14	17:08	02:52	Initial cal 10
E2M2693-IC2693	2M63426.D	05/13/14	17:34	03:18	Initial cal 5
E2M2693-IC2693	2M63427.D	05/13/14	17:59	03:43	Initial cal 2
E2M2693-IC2693	2M63430.D	05/13/14	19:16	05:00	Initial cal 100
E2M2693-IC2693	2M63431.D	05/13/14	19:41	05:25	Initial cal 80
E2M2693-IC2693	2M63432.D	05/13/14	20:07	05:51	Initial cal 50
E2M2693-IC2693	2M63433.D	05/13/14	20:33	06:17	Initial cal 25
E2M2693-IC2693	2M63434.D	05/13/14	20:58	06:42	Initial cal 10
E2M2693-IC2693	2M63435.D	05/13/14	21:24	07:08	Initial cal 5
E2M2693-IC2693	2M63436.D	05/13/14	21:49	07:33	Initial cal 2
E2M2693-IC2693	2M63437.D	05/13/14	22:15	07:59	Initial cal 1
E2M2693-ICV2693	2M63438.D	05/13/14	22:41	08:25	Initial cal verification 50
E2M2693-ICV2693	2M63439.D	05/13/14	23:06	08:50	Initial cal verification 50
E2M2693-ICV2693	2M63440.D	05/13/14	23:32	09:16	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2693-DFTPP	**Injection Date:**	05/13/14
Lab File ID:	2M63419.D	**Injection Time:**	14:16
Instrument ID:	GCMS2M		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2693-ICV2693	2M63441.D	05/13/14	23:57	09:41	Initial cal verification 50
E2M2693-ICV2693	2M63442.D	05/14/14	00:23	10:07	Initial cal verification 50
E2M2693-ICV2693	2M63444.D	05/14/14	01:14	10:58	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2694-DFTPP	**Injection Date:**	05/14/14
Lab File ID:	2M63445.D	**Injection Time:**	10:53
Instrument ID:	GCMS2M		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	43151	39.5		Pass
68	Less than 2.0% of mass 69	584	0.53	(1.28) [a]	Pass
69	Mass 69 relative abundance	45660	41.8		Pass
70	Less than 2.0% of mass 69	86	0.08	(0.19) [a]	Pass
127	40.0 - 60.0% of mass 198	65405	59.9		Pass
197	Less than 1.0% of mass 198	737	0.68		Pass
198	Base peak, 100% relative abundance	109165	100.0		Pass
199	5.0 - 9.0% of mass 198	7026	6.44		Pass
275	10.0 - 30.0% of mass 198	22110	20.3		Pass
365	1.0 - 100.0% of mass 198	2626	2.41		Pass
441	Present, but less than mass 443	14405	13.2	(77.0) [b]	Pass
442	40.0 - 100.0% of mass 198	98088	89.9		Pass
443	17.0 - 23.0% of mass 442	18710	17.1	(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
E2M2694-ICV2693	2M63446.D	05/14/14	11:40	00:47	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E2M2711-DFTPP
Lab File ID: 2M63907.D
Instrument ID: GCMS2M
Injection Date: 05/27/14
Injection Time: 22:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	35760	31.6		Pass
68	Less than 2.0% of mass 69	672	0.59	(1.45) [a]	Pass
69	Mass 69 relative abundance	46316	41.0		Pass
70	Less than 2.0% of mass 69	186	0.16	(0.40) [a]	Pass
127	40.0 - 60.0% of mass 198	65292	57.8		Pass
197	Less than 1.0% of mass 198	563	0.50		Pass
198	Base peak, 100% relative abundance	113037	100.0		Pass
199	5.0 - 9.0% of mass 198	7562	6.69		Pass
275	10.0 - 30.0% of mass 198	21059	18.6		Pass
365	1.0 - 100.0% of mass 198	2460	2.18		Pass
441	Present, but less than mass 443	10800	9.55	(75.5) [b]	Pass
442	40.0 - 100.0% of mass 198	72346	64.0		Pass
443	17.0 - 23.0% of mass 442	14310	12.7	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M2711-CC2693	2M63908.D	05/27/14	22:32	00:19	Continuing cal 25
E2M2711-CC2693	2M63909.D	05/27/14	22:57	00:44	Continuing cal 25
OP75114-MB1	2M63910.D	05/27/14	23:23	01:10	Method Blank
OP75114-BS1	2M63911.D	05/27/14	23:48	01:35	Blank Spike
OP75114-MS	2M63912.D	05/28/14	00:14	02:01	Matrix Spike
OP75114-MSD	2M63913.D	05/28/14	00:40	02:27	Matrix Spike Duplicate
JB67744-1	2M63914.D	05/28/14	01:05	02:52	272-PE-54
JB67744-2	2M63915.D	05/28/14	01:31	03:18	273-PE-51
JB67744-3	2M63916.D	05/28/14	01:57	03:44	274-DUP-2
JB67744-4	2M63917.D	05/28/14	02:22	04:09	275-PE-55
JB67744-5	2M63918.D	05/28/14	02:48	04:35	276-DEC-1
JB67744-8	2M63919.D	05/28/14	03:14	05:01	279-PE-47
JB67744-9	2M63920.D	05/28/14	03:39	05:26	280-PE-48
JB67744-10	2M63921.D	05/28/14	04:05	05:52	285-PE-46
ZZZZZZ	2M63922.D	05/28/14	04:31	06:18	(unrelated sample)
ZZZZZZ	2M63923.D	05/28/14	04:56	06:43	(unrelated sample)
ZZZZZZ	2M63924.D	05/28/14	05:22	07:09	(unrelated sample)
ZZZZZZ	2M63925.D	05/28/14	05:48	07:35	(unrelated sample)
ZZZZZZ	2M63926.D	05/28/14	06:13	08:00	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2M2711-DFTPP	**Injection Date:**	05/27/14
Lab File ID:	2M63907.D	**Injection Time:**	22:13
Instrument ID:	GCMS2M		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2M63927.D	05/28/14	06:39	08:26	(unrelated sample)
ZZZZZZ	2M63928.D	05/28/14	07:05	08:52	(unrelated sample)
ZZZZZZ	2M63929.D	05/28/14	07:31	09:18	(unrelated sample)
ZZZZZZ	2M63934.D	05/28/14	07:56	09:43	(unrelated sample)
ZZZZZZ	2M63930.D	05/28/14	08:22	10:09	(unrelated sample)
ZZZZZZ	2M63931.D	05/28/14	08:48	10:35	(unrelated sample)
ZZZZZZ	2M63933.D	05/28/14	09:39	11:26	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P276-DFTPP
Lab File ID: 6P6540.D
Instrument ID: GCMS6P
Injection Date: 04/26/14
Injection Time: 10:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	82787	35.0		Pass
68	Less than 2.0% of mass 69	2528	1.07	(1.92) [a]	Pass
69	Mass 69 relative abundance	131826	55.8		Pass
70	Less than 2.0% of mass 69	773	0.33	(0.59) [a]	Pass
127	40.0 - 60.0% of mass 198	136277	57.7		Pass
197	Less than 1.0% of mass 198	1570	0.66		Pass
198	Base peak, 100% relative abundance	236363	100.0		Pass
199	5.0 - 9.0% of mass 198	16015	6.78		Pass
275	10.0 - 30.0% of mass 198	56792	24.0		Pass
365	1.0 - 100.0% of mass 198	8686	3.67		Pass
441	Present, but less than mass 443	25906	11.0	(72.4) [b]	Pass
442	40.0 - 100.0% of mass 198	186251	78.8		Pass
443	17.0 - 23.0% of mass 442	35779	15.1	(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
E6P276-ICC276	6P6524.D	04/26/14	10:41	00:12	Initial cal 50
E6P276-IC276	6P6525.D	04/26/14	11:09	00:40	Initial cal 25
E6P276-IC276	6P6526.D	04/26/14	11:38	01:09	Initial cal 80
E6P276-IC276	6P6527.D	04/26/14	12:06	01:37	Initial cal 100
E6P276-IC276	6P6528.D	04/26/14	12:34	02:05	Initial cal 10
E6P276-IC276	6P6529.D	04/26/14	13:46	03:17	Initial cal 5
E6P276-IC276	6P6530.D	04/26/14	14:14	03:45	Initial cal 2
E6P276-IC276	6P6531.D	04/26/14	14:42	04:13	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P277-DFTPP
Lab File ID: 6P6541.D
Instrument ID: GCMS6P
Injection Date: 04/27/14
Injection Time: 12:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	93065	35.2		Pass
68	Less than 2.0% of mass 69	2108	0.80	(1.42) [a]	Pass
69	Mass 69 relative abundance	148412	56.1		Pass
70	Less than 2.0% of mass 69	649	0.25	(0.44) [a]	Pass
127	40.0 - 60.0% of mass 198	154037	58.2		Pass
197	Less than 1.0% of mass 198	1495	0.56		Pass
198	Base peak, 100% relative abundance	264677	100.0		Pass
199	5.0 - 9.0% of mass 198	16590	6.27		Pass
275	10.0 - 30.0% of mass 198	67109	25.4		Pass
365	1.0 - 100.0% of mass 198	9694	3.66		Pass
441	Present, but less than mass 443	28597	10.8	(71.9) [b]	Pass
442	40.0 - 100.0% of mass 198	200395	75.7		Pass
443	17.0 - 23.0% of mass 442	39795	15.0	(19.9) [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
E6P277-IC277	6P6542.D	04/27/14	12:54	00:15	Initial cal 1.0
E6P277-IC277	6P6543.D	04/27/14	13:22	00:43	Initial cal 100
E6P277-IC277	6P6544.D	04/27/14	13:50	01:11	Initial cal 80
E6P277-ICC277	6P6545.D	04/27/14	14:18	01:39	Initial cal 50
E6P277-IC277	6P6546.D	04/27/14	14:46	02:07	Initial cal 25
E6P277-IC277	6P6547.D	04/27/14	15:15	02:36	Initial cal 10
E6P277-IC277	6P6548.D	04/27/14	15:43	03:04	Initial cal 5
E6P277-IC277	6P6549.D	04/27/14	16:11	03:32	Initial cal 2

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P278-DFTPP
Lab File ID: 6P6552.D
Instrument ID: GCMS6P
Injection Date: 04/28/14
Injection Time: 09:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	85499	35.5		Pass
68	Less than 2.0% of mass 69	2198	0.91	(1.63) [a]	Pass
69	Mass 69 relative abundance	134876	56.0		Pass
70	Less than 2.0% of mass 69	1128	0.47	(0.84) [a]	Pass
127	40.0 - 60.0% of mass 198	142440	59.1		Pass
197	Less than 1.0% of mass 198	1136	0.47		Pass
198	Base peak, 100% relative abundance	240856	100.0		Pass
199	5.0 - 9.0% of mass 198	15511	6.44		Pass
275	10.0 - 30.0% of mass 198	62592	26.0		Pass
365	1.0 - 100.0% of mass 198	10509	4.36		Pass
441	Present, but less than mass 443	29928	12.4	(80.3) [b]	Pass
442	40.0 - 100.0% of mass 198	205712	85.4		Pass
443	17.0 - 23.0% of mass 442	37279	15.5	(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
E6P278-ICV277	6P6553.D	04/28/14	09:57	00:14	Initial cal verification 50
E6P278-ICV277	6P6554.D	04/28/14	10:26	00:43	Initial cal verification 50
E6P278-ICV276	6P6554A.D	04/28/14	10:26	00:43	Initial cal verification 50
E6P278-ICV276	6P6555A.D	04/28/14	10:54	01:11	Initial cal verification 50
E6P278-ICV277	6P6555.D	04/28/14	10:54	01:11	Initial cal verification 50
E6P278-ICV277	6P6556.D	04/28/14	11:22	01:39	Initial cal verification 50
E6P278-ICV277	6P6557.D	04/28/14	11:50	02:07	Initial cal verification 50
E6P278-ICV276	6P6558.D	04/28/14	12:18	02:35	Initial cal verification 50
E6P278-ICV276	6P6559.D	04/28/14	12:47	03:04	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P318-DFTPP
Lab File ID: 6P7479.D
Instrument ID: GCMS6P
Injection Date: 05/29/14
Injection Time: 09:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	181664	36.3		Pass
68	Less than 2.0% of mass 69	4822	0.96	(1.99) [a]	Pass
69	Mass 69 relative abundance	241707	48.3		Pass
70	Less than 2.0% of mass 69	1335	0.27	(0.55) [a]	Pass
127	40.0 - 60.0% of mass 198	265939	53.1		Pass
197	Less than 1.0% of mass 198	2594	0.52		Pass
198	Base peak, 100% relative abundance	500779	100.0		Pass
199	5.0 - 9.0% of mass 198	33360	6.66		Pass
275	10.0 - 30.0% of mass 198	147379	29.4		Pass
365	1.0 - 100.0% of mass 198	22717	4.54		Pass
441	Present, but less than mass 443	73651	14.7	(75.1) [b]	Pass
442	40.0 - 100.0% of mass 198	496277	99.1		Pass
443	17.0 - 23.0% of mass 442	98051	19.6	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P318-CC277	6P7480.D	05/29/14	09:18	00:12	Continuing cal 25
E6P318-CC276	6P7481.D	05/29/14	09:53	00:47	Continuing cal 25
ZZZZZZ	6P7483.D	05/29/14	10:49	01:43	(unrelated sample)
ZZZZZZ	6P7484.D	05/29/14	11:17	02:11	(unrelated sample)
ZZZZZZ	6P7485.D	05/29/14	11:45	02:39	(unrelated sample)
OP75136-MB1	6P7491.D	05/29/14	13:37	04:31	Method Blank
OP75136-BS1	6P7492.D	05/29/14	14:05	04:59	Blank Spike
OP75166-MB1	6P7493.D	05/29/14	14:33	05:27	Method Blank
ZZZZZZ	6P7494.D	05/29/14	15:01	05:55	(unrelated sample)
ZZZZZZ	6P7495.D	05/29/14	15:29	06:23	(unrelated sample)
ZZZZZZ	6P7496.D	05/29/14	15:57	06:51	(unrelated sample)
ZZZZZZ	6P7497.D	05/29/14	16:25	07:19	(unrelated sample)
ZZZZZZ	6P7498.D	05/29/14	16:53	07:47	(unrelated sample)
OP75103-MS	6P7499.D	05/29/14	17:21	08:15	Matrix Spike
OP75103-MSD	6P7500.D	05/29/14	17:49	08:43	Matrix Spike Duplicate
ZZZZZZ	6P7509.D	05/29/14	18:17	09:11	(unrelated sample)
ZZZZZZ	6P7501.D	05/29/14	18:45	09:39	(unrelated sample)
ZZZZZZ	6P7502.D	05/29/14	19:13	10:07	(unrelated sample)
ZZZZZZ	6P7503.D	05/29/14	19:41	10:35	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E6P318-DFTPP	**Injection Date:**	05/29/14
Lab File ID:	6P7479.D	**Injection Time:**	09:06
Instrument ID:	GCMS6P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	6P7504.D	05/29/14	20:09	11:03	(unrelated sample)
ZZZZZZ	6P7505.D	05/29/14	20:37	11:31	(unrelated sample)
JB67744-12	6P7506.D	05/29/14	21:05	11:59	281-DEC-2

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P320-DFTPP
Lab File ID: 6P7542.D
Instrument ID: GCMS6P
Injection Date: 05/30/14
Injection Time: 12:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	221061	36.4		Pass
68	Less than 2.0% of mass 69	5692	0.94	(1.76) [a]	Pass
69	Mass 69 relative abundance	324288	53.4		Pass
70	Less than 2.0% of mass 69	801	0.13	(0.25) [a]	Pass
127	40.0 - 60.0% of mass 198	334485	55.0		Pass
197	Less than 1.0% of mass 198	2265	0.37		Pass
198	Base peak, 100% relative abundance	607637	100.0		Pass
199	5.0 - 9.0% of mass 198	41413	6.82		Pass
275	10.0 - 30.0% of mass 198	173820	28.6		Pass
365	1.0 - 100.0% of mass 198	25443	4.19		Pass
441	Present, but less than mass 443	77880	12.8	(76.5) [b]	Pass
442	40.0 - 100.0% of mass 198	538688	88.7		Pass
443	17.0 - 23.0% of mass 442	101848	16.8	(18.9) [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
E6P320-CC277	6P7543.D	05/30/14	12:13	00:13	Continuing cal 25
E6P320-CC276	6P7544.D	05/30/14	12:48	00:48	Continuing cal 25
ZZZZZZ	6P7547.D	05/30/14	13:51	01:51	(unrelated sample)
ZZZZZZ	6P7548.D	05/30/14	14:19	02:19	(unrelated sample)
ZZZZZZ	6P7549.D	05/30/14	14:48	02:48	(unrelated sample)
ZZZZZZ	6P7550.D	05/30/14	15:17	03:17	(unrelated sample)
ZZZZZZ	6P7551.D	05/30/14	15:45	03:45	(unrelated sample)
ZZZZZZ	6P7553.D	05/30/14	16:42	04:42	(unrelated sample)
ZZZZZZ	6P7555.D	05/30/14	17:40	05:40	(unrelated sample)
ZZZZZZ	6P7569.D	05/30/14	18:08	06:08	(unrelated sample)
ZZZZZZ	6P7557.D	05/30/14	19:05	07:05	(unrelated sample)
ZZZZZZ	6P7558.D	05/30/14	19:34	07:34	(unrelated sample)
ZZZZZZ	6P7559.D	05/30/14	20:02	08:02	(unrelated sample)
ZZZZZZ	6P7560.D	05/30/14	20:31	08:31	(unrelated sample)
ZZZZZZ	6P7561.D	05/30/14	20:59	08:59	(unrelated sample)
ZZZZZZ	6P7562.D	05/30/14	21:28	09:28	(unrelated sample)
ZZZZZZ	6P7563.D	05/30/14	21:56	09:56	(unrelated sample)
JB67744-13	6P7564.D	05/30/14	22:24	10:24	282-PE-45
JB67744-14	6P7565.D	05/30/14	22:53	10:53	283-PE-49

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E6P320-DFTPP	**Injection Date:**	05/30/14
Lab File ID:	6P7542.D	**Injection Time:**	12:00
Instrument ID:	GCMS6P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JB67744-15	6P7566.D	05/30/14	23:21	11:21	284-PE-56
ZZZZZZ	6P7567.D	05/30/14	23:50	11:50	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P323-DFTPP
Lab File ID: 6P7629.D
Instrument ID: GCMS6P
Injection Date: 06/02/14
Injection Time: 09:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	232256	35.0		Pass
68	Less than 2.0% of mass 69	5462	0.82	(1.68) [a]	Pass
69	Mass 69 relative abundance	324605	49.0		Pass
70	Less than 2.0% of mass 69	3122	0.47	(0.96) [a]	Pass
127	40.0 - 60.0% of mass 198	351008	53.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	662891	100.0		Pass
199	5.0 - 9.0% of mass 198	42978	6.48		Pass
275	10.0 - 30.0% of mass 198	191990	29.0		Pass
365	1.0 - 100.0% of mass 198	30872	4.66		Pass
441	Present, but less than mass 443	85277	12.9	(71.5) [b]	Pass
442	40.0 - 100.0% of mass 198	628139	94.8		Pass
443	17.0 - 23.0% of mass 442	119256	18.0	(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
E6P323-CC277	6P7630.D	06/02/14	09:34	00:18	Continuing cal 50
E6P323-CC276	6P7631.D	06/02/14	10:07	00:51	Continuing cal 50
JB67915-1	6P7634.D	06/02/14	11:33	02:17	(used for QC only; not part of job JB67744)
ZZZZZZ	6P7635.D	06/02/14	12:02	02:46	(unrelated sample)
ZZZZZZ	6P7636.D	06/02/14	12:30	03:14	(unrelated sample)
ZZZZZZ	6P7637.D	06/02/14	12:59	03:43	(unrelated sample)
ZZZZZZ	6P7642.D	06/02/14	15:25	06:09	(unrelated sample)
ZZZZZZ	6P7643.D	06/02/14	15:54	06:38	(unrelated sample)
ZZZZZZ	6P7647.D	06/02/14	16:23	07:07	(unrelated sample)
OP75185-MSD	6P7644.D	06/02/14	16:52	07:36	Matrix Spike Duplicate
OP75136-MS	6P7645.D	06/02/14	17:20	08:04	Matrix Spike
OP75136-MSD	6P7646.D	06/02/14	17:49	08:33	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4271-DFTPP
Lab File ID: M104363.D
Instrument ID: GCMSM
Injection Date: 05/13/14
Injection Time: 14:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	70538	37.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	93427	49.9		Pass
70	Less than 2.0% of mass 69	573	0.31	(0.61) [a]	Pass
127	40.0 - 60.0% of mass 198	97544	52.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	187248	100.0		Pass
199	5.0 - 9.0% of mass 198	12356	6.60		Pass
275	10.0 - 30.0% of mass 198	38991	20.8		Pass
365	1.0 - 100.0% of mass 198	4341	2.32		Pass
441	Present, but less than mass 443	18055	9.64	(76.3) [b]	Pass
442	40.0 - 100.0% of mass 198	117493	62.7		Pass
443	17.0 - 23.0% of mass 442	23673	12.6	(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
EM4271-IC4271	M104364.D	05/13/14	14:59	00:14	Initial cal 100
EM4271-IC4271	M104365.D	05/13/14	15:39	00:54	Initial cal 1
EM4271-IC4271	M104366.D	05/13/14	16:08	01:23	Initial cal 80
EM4271-ICC4271	M104367.D	05/13/14	16:37	01:52	Initial cal 50
EM4271-IC4271	M104368.D	05/13/14	17:06	02:21	Initial cal 25
EM4271-IC4271	M104369.D	05/13/14	17:35	02:50	Initial cal 10
EM4271-IC4271	M104370.D	05/13/14	18:03	03:18	Initial cal 5
EM4271-IC4271	M104371.D	05/13/14	18:32	03:47	Initial cal 2

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4272-DFTPP	**Injection Date:**	05/14/14
Lab File ID:	M104372.D	**Injection Time:**	08:27
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73741	38.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	96540	50.0		Pass
70	Less than 2.0% of mass 69	198	0.10	(0.21) [a]	Pass
127	40.0 - 60.0% of mass 198	99824	51.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	193256	100.0		Pass
199	5.0 - 9.0% of mass 198	13102	6.78		Pass
275	10.0 - 30.0% of mass 198	43538	22.5		Pass
365	1.0 - 100.0% of mass 198	4261	2.20		Pass
441	Present, but less than mass 443	17550	9.08	(67.9) [b]	Pass
442	40.0 - 100.0% of mass 198	123970	64.1		Pass
443	17.0 - 23.0% of mass 442	25858	13.4	(20.9) [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
EM4272-IC4272	M104373.D	05/14/14	08:40	00:13	Initial cal 100
EM4272-IC4272	M104374.D	05/14/14	09:08	00:41	Initial cal 80
EM4272-ICC4272	M104375.D	05/14/14	09:37	01:10	Initial cal 50
EM4272-IC4272	M104376.D	05/14/14	10:05	01:38	Initial cal 25
EM4272-IC4272	M104377.D	05/14/14	10:34	02:07	Initial cal 10
EM4272-IC4272	M104378.D	05/14/14	11:03	02:36	Initial cal 5
EM4272-IC4272	M104379.D	05/14/14	11:31	03:04	Initial cal 2
EM4272-IC4272	M104380.D	05/14/14	12:00	03:33	Initial cal 1
EM4272-ICV4271	M104381.D	05/14/14	12:29	04:02	Initial cal verification 50
EM4272-ICV4272	M104382A.D	05/14/14	12:57	04:30	Initial cal verification 50
EM4272-ICV4271	M104382.D	05/14/14	12:57	04:30	Initial cal verification 50
EM4272-ICV4271	M104383.D	05/14/14	13:26	04:59	Initial cal verification 50
EM4272-ICV4272	M104383A.D	05/14/14	13:26	04:59	Initial cal verification 50
EM4272-ICV4271	M104384.D	05/14/14	13:54	05:27	Initial cal verification 50
EM4272-ICV4271	M104385.D	05/14/14	14:23	05:56	Initial cal verification 50
EM4272-ICV4272	M104386.D	05/14/14	14:52	06:25	Initial cal verification 50
EM4272-ICV4271	M104387.D	05/14/14	15:20	06:53	Initial cal verification 50
EM4272-ICV4272	M104387A.D	05/14/14	15:20	06:53	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4291-DFTPP	**Injection Date:**	06/03/14
Lab File ID:	M104836.D	**Injection Time:**	08:39
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	70247	37.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	93424	50.4		Pass
70	Less than 2.0% of mass 69	374	0.20	(0.40) [a]	Pass
127	40.0 - 60.0% of mass 198	93247	50.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	185258	100.0		Pass
199	5.0 - 9.0% of mass 198	12372	6.68		Pass
275	10.0 - 30.0% of mass 198	45256	24.4		Pass
365	1.0 - 100.0% of mass 198	5124	2.77		Pass
441	Present, but less than mass 443	17883	9.65	(75.5) [b]	Pass
442	40.0 - 100.0% of mass 198	123221	66.5		Pass
443	17.0 - 23.0% of mass 442	23701	12.8	(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
EM4291-CC4271	M104837.D	06/03/14	08:52	00:13	Continuing cal 50
EM4291-CC4272	M104838.D	06/03/14	09:26	00:47	Continuing cal 50
ZZZZZZ	M104841.D	06/03/14	10:55	02:16	(unrelated sample)
ZZZZZZ	M104842.D	06/03/14	11:24	02:45	(unrelated sample)
OP75136-MB1	M104849.D	06/03/14	11:54	03:15	Method Blank
ZZZZZZ	M104850.D	06/03/14	12:24	03:45	(unrelated sample)
ZZZZZZ	M104843.D	06/03/14	12:53	04:14	(unrelated sample)
ZZZZZZ	M104844.D	06/03/14	13:23	04:44	(unrelated sample)
ZZZZZZ	M104844.D	06/03/14	13:23	04:44	(unrelated sample)
ZZZZZZ	M104845.D	06/03/14	13:52	05:13	(unrelated sample)
ZZZZZZ	M104845.D	06/03/14	13:52	05:13	(unrelated sample)
ZZZZZZ	M104846.D	06/03/14	14:21	05:42	(unrelated sample)
ZZZZZZ	M104851.D	06/03/14	15:48	07:09	(unrelated sample)
ZZZZZZ	M104852.D	06/03/14	16:18	07:39	(unrelated sample)
ZZZZZZ	M104853.D	06/03/14	16:48	08:09	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EZ4569-DFTPP
Lab File ID: Z91825.D
Instrument ID: GCMSZ
Injection Date: 05/24/14
Injection Time: 10:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	103200	43.9		Pass
68	Less than 2.0% of mass 69	132	0.06	(0.13) [a]	Pass
69	Mass 69 relative abundance	99905	42.5		Pass
70	Less than 2.0% of mass 69	389	0.17	(0.39) [a]	Pass
127	40.0 - 60.0% of mass 198	120829	51.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	234944	100.0		Pass
199	5.0 - 9.0% of mass 198	15620	6.65		Pass
275	10.0 - 30.0% of mass 198	54928	23.4		Pass
365	1.0 - 100.0% of mass 198	7584	3.23		Pass
441	Present, but less than mass 443	25762	11.0	(73.6) [b]	Pass
442	40.0 - 100.0% of mass 198	180613	76.9		Pass
443	17.0 - 23.0% of mass 442	35018	14.9	(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
EZ4569-IC4569	Z91826.D	05/24/14	10:56	00:19	Initial cal 100
EZ4569-IC4569	Z91827.D	05/24/14	11:21	00:44	Initial cal 80
EZ4569-IC4569	Z91828.D	05/24/14	11:46	01:09	Initial cal 2
EZ4569-ICC4569	Z91829.D	05/24/14	12:12	01:35	Initial cal 50
EZ4569-IC4569	Z91830.D	05/24/14	12:37	02:00	Initial cal 25
EZ4569-IC4569	Z91831.D	05/24/14	13:03	02:26	Initial cal 1
EZ4569-IC4569	Z91832.D	05/24/14	13:28	02:51	Initial cal 5
EZ4569-IC4569	Z91833.D	05/24/14	13:53	03:16	Initial cal 10

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4571-DFTPP	**Injection Date:**	05/27/14
Lab File ID:	Z91850.D	**Injection Time:**	11:17
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	75914	41.7		Pass
68	Less than 2.0% of mass 69	409	0.22	(0.55) [a]	Pass
69	Mass 69 relative abundance	74198	40.8		Pass
70	Less than 2.0% of mass 69	370	0.20	(0.50) [a]	Pass
127	40.0 - 60.0% of mass 198	90865	49.9		Pass
197	Less than 1.0% of mass 198	582	0.32		Pass
198	Base peak, 100% relative abundance	181938	100.0		Pass
199	5.0 - 9.0% of mass 198	12334	6.78		Pass
275	10.0 - 30.0% of mass 198	43512	23.9		Pass
365	1.0 - 100.0% of mass 198	6452	3.55		Pass
441	Present, but less than mass 443	22306	12.3	(74.3) [b]	Pass
442	40.0 - 100.0% of mass 198	154616	85.0		Pass
443	17.0 - 23.0% of mass 442	30040	16.5	(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
EZ4571-IC4571	Z91851.D	05/27/14	11:28	00:11	Initial cal 100
EZ4571-IC4571	Z91852.D	05/27/14	11:54	00:37	Initial cal 80
EZ4571-ICC4571	Z91853.D	05/27/14	12:19	01:02	Initial cal 50
EZ4571-IC4571	Z91854.D	05/27/14	12:45	01:28	Initial cal 25
EZ4571-IC4571	Z91855.D	05/27/14	13:11	01:54	Initial cal 10
EZ4571-IC4571	Z91856.D	05/27/14	13:36	02:19	Initial cal 5
EZ4571-IC4571	Z91857.D	05/27/14	14:01	02:44	Initial cal 2
EZ4571-IC4571	Z91858.D	05/27/14	14:27	03:10	Initial cal 1
EZ4571-ICV4569	Z91860.D	05/27/14	15:17	04:00	Initial cal verification 50
EZ4571-ICV4571	Z91860A.D	05/27/14	15:17	04:00	Initial cal verification 50
EZ4571-ICV4569	Z91861.D	05/27/14	15:43	04:26	Initial cal verification 50
EZ4571-ICV4571	Z91861A.D	05/27/14	15:43	04:26	Initial cal verification 50
EZ4571-ICV4569	Z91862.D	05/27/14	16:08	04:51	Initial cal verification 50
EZ4571-ICV4569	Z91863A.D	05/27/14	16:34	05:17	Initial cal verification 50
EZ4571-ICV4571	Z91863.D	05/27/14	16:34	05:17	Initial cal verification 50
EZ4571-ICV4569	Z91864.D	05/27/14	16:59	05:42	Initial cal verification 50
EZ4571-ICV4571	Z91865.D	05/27/14	17:25	06:08	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4572-DFTPP	**Injection Date:**	05/27/14
Lab File ID:	Z91867.D	**Injection Time:**	20:53
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	63223	38.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	61130	37.5		Pass
70	Less than 2.0% of mass 69	234	0.14	(0.38) [a]	Pass
127	40.0 - 60.0% of mass 198	77488	47.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	162856	100.0		Pass
199	5.0 - 9.0% of mass 198	10703	6.57		Pass
275	10.0 - 30.0% of mass 198	38849	23.9		Pass
365	1.0 - 100.0% of mass 198	5511	3.38		Pass
441	Present, but less than mass 443	19870	12.2	(72.2) [b]	Pass
442	40.0 - 100.0% of mass 198	144794	88.9		Pass
443	17.0 - 23.0% of mass 442	27528	16.9	(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
EZ4572-ICV4569	Z91868.D	05/27/14	21:04	00:11	Initial cal verification 50

8.4.15
8

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4575-DFTPP	**Injection Date:**	05/28/14
Lab File ID:	Z91923.D	**Injection Time:**	21:41
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	72674	38.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	73714	39.0		Pass
70	Less than 2.0% of mass 69	558	0.30	(0.76) [a]	Pass
127	40.0 - 60.0% of mass 198	93444	49.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	189112	100.0		Pass
199	5.0 - 9.0% of mass 198	12785	6.76		Pass
275	10.0 - 30.0% of mass 198	47473	25.1		Pass
365	1.0 - 100.0% of mass 198	6739	3.56		Pass
441	Present, but less than mass 443	23858	12.6	(75.6) [b]	Pass
442	40.0 - 100.0% of mass 198	170205	90.0		Pass
443	17.0 - 23.0% of mass 442	31562	16.7	(18.5) [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
EZ4575-CC4569	Z91924.D	05/28/14	21:53	00:12	Continuing cal 25
EZ4575-CC4571	Z91925A.D	05/28/14	22:44	01:03	Continuing cal 25
OP75133-MB1	Z91926.D	05/28/14	23:09	01:28	Method Blank
OP75133-BS1	Z91927.D	05/28/14	23:35	01:54	Blank Spike
OP75133-MS	Z91928.D	05/29/14	00:00	02:19	Matrix Spike
OP75133-MSD	Z91929.D	05/29/14	00:25	02:44	Matrix Spike Duplicate
ZZZZZZ	Z91930.D	05/29/14	00:50	03:09	(unrelated sample)
ZZZZZZ	Z91931.D	05/29/14	01:16	03:35	(unrelated sample)
ZZZZZZ	Z91934.D	05/29/14	02:32	04:51	(unrelated sample)
ZZZZZZ	Z91935.D	05/29/14	02:57	05:16	(unrelated sample)
ZZZZZZ	Z91936.D	05/29/14	03:22	05:41	(unrelated sample)
ZZZZZZ	Z91937.D	05/29/14	03:48	06:07	(unrelated sample)
ZZZZZZ	Z91938.D	05/29/14	04:13	06:32	(unrelated sample)
ZZZZZZ	Z91939.D	05/29/14	04:38	06:57	(unrelated sample)
JB67712-1	Z91940.D	05/29/14	05:03	07:22	(used for QC only; not part of job JB67744)
ZZZZZZ	Z91941.D	05/29/14	05:29	07:48	(unrelated sample)
ZZZZZZ	Z91942.D	05/29/14	05:54	08:13	(unrelated sample)
ZZZZZZ	Z91943.D	05/29/14	06:19	08:38	(unrelated sample)
ZZZZZZ	Z91944.D	05/29/14	06:45	09:04	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4575-DFTPP	**Injection Date:**	05/28/14
Lab File ID:	Z91923.D	**Injection Time:**	21:41
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JB67744-6	Z91945.D	05/29/14	07:10	09:29	277-FB-4
JB67744-11	Z91946.D	05/29/14	07:35	09:54	286-FB-5

Semivolatile Internal Standard Area Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: E2M2711-CC2693 **Injection Date:** 05/27/14
Lab File ID: 2M63908.D **Injection Time:** 22:32
Instrument ID: GCMS2M **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	415995	4.75	1646629	5.85	952801	7.94	1517198	10.12	1232024	14.31	1080610	16.42
Upper Limit [a]	831990	5.25	3293258	6.35	1905602	8.44	3034396	10.62	2464048	14.81	2161220	16.92
Lower Limit [b]	207998	4.25	823315	5.35	476401	7.44	758599	9.62	616012	13.81	540305	15.92

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
OP75114-MB1	564197	4.75	2264438	5.86	1247936	7.94	1924265	10.12	1573318	14.30	1309620	16.41
OP75114-BS1	541807	4.75	2391884	5.86	1181730	7.94	1811426	10.12	1336638	14.31	1217794	16.42
OP75114-MS	598933	4.75	2561253	5.86	1327989	7.94	1986289	10.12	1297989	14.32	1278773	16.43
OP75114-MSD	528606	4.75	2313139	5.85	1157755	7.94	1724143	10.12	1209462	14.31	1105194	16.42
JB67744-1	527149	4.75	2041980	5.85	1130172	7.94	1701172	10.12	1273249	14.31	1084676	16.42
JB67744-2	539008	4.75	2097437	5.86	1167935	7.94	1746114	10.12	1314317	14.30	1107700	16.42
JB67744-3	528318	4.75	2081431	5.86	1149857	7.94	1702599	10.12	1266775	14.31	1076634	16.42
JB67744-4	524983	4.75	2055162	5.86	1159817	7.94	1766929	10.12	1375718	14.31	1146784	16.42
JB67744-5	506957	4.75	2013879	5.85	1066013	7.94	1614242	10.12	1170514	14.31	1012104	16.42
JB67744-8	531042	4.75	2075313	5.85	1154061	7.94	1734731	10.12	1297171	14.31	1103907	16.42
JB67744-9	527396	4.75	2067557	5.86	1162687	7.94	1746095	10.12	1314762	14.31	1103956	16.42
JB67744-10	542195	4.75	2120956	5.85	1186072	7.94	1776552	10.12	1312159	14.31	1114616	16.42
ZZZZZZ	510540	4.75	1995967	5.86	1078065	7.94	1632924	10.12	1166543	14.31	1036192	16.43
ZZZZZZ	47610[c]	4.75	188679[c]	5.85	114175[c]	7.94	176639[c]	10.12	155677[c]	14.30	125837[c]	16.42
ZZZZZZ	383532	4.76	1524889	5.86	886315	7.95	1431792	10.13	930170	14.34	780859	16.48
ZZZZZZ	506638	4.76	1954013	5.86	1060436	7.95	1556617	10.13	1080549	14.33	897208	16.45
ZZZZZZ	483035	4.76	1921111	5.86	1039168	7.95	1529243	10.13	1095975	14.33	897860	16.45
ZZZZZZ	501509	4.76	1955163	5.86	1075036	7.95	1622107	10.14	1038488	14.35	1027017	16.46
ZZZZZZ	475041	4.76	1875109	5.86	1040377	7.95	1581174	10.14	1050588	14.34	953140	16.46
ZZZZZZ	471590	4.76	1963526	5.86	1054538	7.95	1566136	10.14	1117680	14.33	941485	16.45
ZZZZZZ	254261	4.76	1032787	5.86	481475	7.96	534960*	10.16	614501*	14.34	515062*	16.45
ZZZZZZ	493535	4.76	1907094	5.86	1021985	7.95	1551653	10.14	1070803	14.33	945189	16.45
ZZZZZZ	468143	4.76	1846779	5.86	872819	7.96	1247246	10.14	678711	14.38	634399	16.53
ZZZZZZ	476222	4.76	1828332	5.87	1010761	7.96	1450157	10.14	976024	14.33	812778	16.46

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.
(c) Outside of control limits. Refer to CFI.

Semivolatile Internal Standard Area Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E6P318-CC277	**Injection Date:**	05/29/14
Lab File ID:	6P7480.D	**Injection Time:**	09:18
Instrument ID:	GCMS6P	**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	801491	5.10	3123680	6.18	1811907	8.15	3111243	10.28	3274850	14.46	2933426	16.57
Upper Limit [a]	1602982	5.60	6247360	6.68	3623814	8.65	6222486	10.78	6549700	14.96	5866852	17.07
Lower Limit [b]	400746	4.60	1561840	5.68	905954	7.65	1555622	9.78	1637425	13.96	1466713	16.07

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	662824	5.09	2619189	6.18	1572111	8.15	2582718	10.28	2728880	14.45	2592531	16.57
ZZZZZZ	831578	5.09	3181961	6.18	1824968	8.16	2901884	10.29	2838641	14.46	2639624	16.57
ZZZZZZ	790834	5.09	3026810	6.18	1746725	8.15	2767481	10.28	2798982	14.46	2639500	16.57
OP75136-MB1	903467	5.10	3468821	6.18	1994582	8.15	3189599	10.28	3075856	14.46	2774670	16.57
OP75136-BS1	991413	5.10	3694614	6.18	2167013	8.15	3653728	10.28	3663381	14.46	3057913	16.57
OP75166-MB1	814286	5.10	3135721	6.18	1805538	8.15	2933428	10.28	2936819	14.46	2727039	16.57
ZZZZZZ	803843	5.10	3095179	6.18	1824147	8.15	2990304	10.28	2938651	14.46	2761804	16.57
ZZZZZZ	919550	5.09	3558862	6.18	2056993	8.15	3302487	10.28	3149668	14.46	2808527	16.57
ZZZZZZ	721029	5.09	2862494	6.18	1716939	8.15	2853065	10.28	2971202	14.46	2787323	16.57
ZZZZZZ	919392	5.09	3564921	6.18	2051623	8.16	3220863	10.29	3206066	14.46	2968805	16.57
ZZZZZZ	925758	5.10	3576997	6.18	2066445	8.16	3282829	10.29	3193092	14.46	3014194	16.57
OP75103-MS	841490	5.09	3146710	6.18	1826847	8.15	3080005	10.28	3093251	14.46	2614764	16.57
OP75103-MSD	919519	5.09	3507436	6.19	2046078	8.15	3419336	10.29	3516288	14.46	2911322	16.57
ZZZZZZ	787600	5.10	3065720	6.18	1835175	8.15	3111914	10.28	3260131	14.46	3021603	16.57
ZZZZZZ	772751	5.10	3006678	6.18	1759343	8.15	2908272	10.28	2947407	14.46	2816889	16.57
ZZZZZZ	799508	5.10	3055853	6.19	1804214	8.15	3071074	10.28	3171454	14.46	3074723	16.57
ZZZZZZ	790617	5.10	3128204	6.19	1922580	8.18	3218402	10.32	3840580	14.50	3896795	16.62
ZZZZZZ	841218	5.15	3044787	6.23	2040341	8.17	3491906	10.29	3576152	14.46	3395174	16.58
ZZZZZZ	867413	5.09	3233066	6.18	1897760	8.15	3033749	10.28	2817521	14.46	2640203	16.58
JB67744-12	976235	5.09	3656117	6.19	2071558	8.17	3183060	10.29	2928796	14.46	2701714	16.58

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: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: E6P320-CC277 **Injection Date:** 05/30/14
Lab File ID: 6P7543.D **Injection Time:** 12:13
Instrument ID: GCMS6P **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	1007429	5.07	3924831	6.16	2344965	8.13	3927878	10.26	4037372	14.44	3526504	16.56
Upper Limit [a]	2014858	5.57	7849662	6.66	4689930	8.63	7855756	10.76	8074744	14.94	7053008	17.06
Lower Limit [b]	503715	4.57	1962416	5.66	1172483	7.63	1963939	9.76	2018686	13.94	1763252	16.06

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	1063971	5.07	4060146	6.16	2349358	8.13	3773834	10.26	3465856	14.43	2998038	16.55
ZZZZZZ	1083417	5.07	4089575	6.16	2370034	8.13	3758109	10.26	3279995	14.43	2832589	16.55
ZZZZZZ	1131608	5.07	4236227	6.16	2376976	8.13	3677270	10.27	3298418	14.44	2859694	16.56
ZZZZZZ	1003749	5.08	3869573	6.16	2199252	8.14	3569046	10.27	3195188	14.44	2843017	16.56
ZZZZZZ	1108711	5.08	4220805	6.16	2393741	8.14	3877025	10.28	4218912	14.47	4150494	16.59
ZZZZZZ	901417	5.08	3555332	6.17	2154969	8.14	3541772	10.27	3572544	14.44	3330418	16.56
ZZZZZZ	967785	5.08	3654498	6.16	2188497	8.14	3559391	10.27	3456259	14.44	3220182	16.56
ZZZZZZ	916956	5.08	3587207	6.16	2129613	8.14	3459544	10.27	3560591	14.45	3491632	16.57
ZZZZZZ	930267	5.08	3582625	6.16	2054946	8.14	3320337	10.27	3288540	14.44	3035078	16.56
ZZZZZZ	979502	5.08	3829516	6.16	2203550	8.14	3556391	10.27	3445263	14.44	3285066	16.56
ZZZZZZ	933344	5.08	3576498	6.16	2102659	8.14	3434397	10.27	3413628	14.44	3181509	16.56
ZZZZZZ	905070	5.08	3502908	6.16	2048835	8.14	3378950	10.27	3344246	14.44	3096227	16.56
ZZZZZZ	968857	5.08	3740699	6.16	2172831	8.14	3532223	10.27	3514049	14.44	3325256	16.56
ZZZZZZ	1049580	5.07	4110845	6.16	2373400	8.13	3889583	10.27	3782794	14.44	3509899	16.56
ZZZZZZ	1259254	5.08	4815492	6.16	2775387	8.14	4521554	10.27	4432486	14.44	4148174	16.55
JB67744-13	1198842	5.08	4578554	6.16	2518414	8.13	3878361	10.26	3389884	14.43	3034573	16.55
JB67744-14	1282179	5.08	4831145	6.16	2763130	8.14	4314953	10.27	3725910	14.44	3278499	16.56
JB67744-15	1052207	5.08	3981244	6.16	2309728	8.13	3768685	10.27	3410807	14.44	3127604	16.56
ZZZZZZ	1044749	5.08	3830086	6.16	2180053	8.13	3531492	10.27	3691927	14.46	3954381	16.59

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: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E6P323-CC277	**Injection Date:**	06/02/14
Lab File ID:	6P7630.D	**Injection Time:**	09:34
Instrument ID:	GCMS6P	**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	1244559	5.05	4858009	6.14	2869164	8.11	4943346	10.24	5283713	14.41	4339536	16.53
Upper Limit [a]	2489118	5.55	9716018	6.64	5738328	8.61	9886692	10.74	1056742	14.91	8679072	17.03
Lower Limit [b]	622280	4.55	2429005	5.64	1434582	7.61	2471673	9.74	2641857	13.91	2169768	16.03

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
JB67915-1	1156016	5.05	4535178	6.13	2686309	8.10	4325486	10.23	4203723	14.41	3704325	16.53
ZZZZZZ	1215426	5.05	4832574	6.13	2825444	8.10	4614303	10.22	4398272	14.40	3880302	16.52
ZZZZZZ	1365208	5.05	5254611	6.13	3021488	8.10	4842301	10.22	4380011	14.40	3828781	16.52
ZZZZZZ	1086249	5.05	4338474	6.13	2534352	8.10	4157129	10.22	4029558	14.40	3575895	16.51
ZZZZZZ	1105011	5.05	4329576	6.13	2551477	8.10	4163800	10.22	4252654	14.39	3918659	16.51
ZZZZZZ	1093597	5.05	4292276	6.13	2506569	8.10	4119203	10.22	4115676	14.39	3871312	16.51
ZZZZZZ	1236592	5.05	5108903	6.14	2916599	8.10	4805414	10.22	4838575	14.39	4239084	16.51
OP75185-MSD	1375195	5.05	5189024	6.13	2937144	8.10	4637285	10.22	4702841	14.42	4026657	16.54
OP75136-MS	1110390	5.05	4565984	6.14	2783185	8.12	4801359	10.28	5397924	14.51	5488021	16.66
OP75136-MSD	1140516	5.06	4750077	6.14	2894631	8.13	5058494	10.29	5870346	14.52	5643557	16.67

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: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EM4291-CC4271	**Injection Date:**	06/03/14
Lab File ID:	M104837.D	**Injection Time:**	08:52
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	240860	4.43	902394	5.48	568781	7.70	996744	10.26	911643	15.39	809798	17.99
Upper Limit [a]	481720	4.93	1804788	5.98	1137562	8.20	1993488	10.76	1823286	15.89	1619596	18.49
Lower Limit [b]	120430	3.93	451197	4.98	284391	7.20	498372	9.76	455822	14.89	404899	17.49

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	184205	4.43	692723	5.48	411668	7.70	729021	10.25	718606	15.37	580676	17.98
ZZZZZZ	219225	4.42	841537	5.49	506397	7.70	872492	10.26	840680	15.37	681420	17.99
OP75136-MB1	227671	4.42	861206	5.49	554203	7.70	985184	10.26	992392	15.37	815181	17.99
ZZZZZZ	192494	4.42	719056	5.48	435805	7.70	742152	10.26	761278	15.39	648448	18.00
ZZZZZZ	176218	4.42	691092	5.49	415290	7.70	704867	10.26	631764	15.38	536403	17.99
ZZZZZZ	146636	4.43	585471	5.48	356255	7.70	605410	10.26	557952	15.38	467964	17.99
ZZZZZZ	146636	4.43	585471	5.48	356255	7.70	605410	10.26	557952	15.38	467964	17.99
ZZZZZZ	215814	4.43	847085	5.49	518413	7.70	836146	10.26	789004	15.38	667462	17.99
ZZZZZZ	215814	4.43	847085	5.49	518413	7.70	836146	10.26	789004	15.38	667462	17.99
ZZZZZZ	214398	4.42	819136	5.49	490760	7.70	844122	10.26	793426	15.38	639446	17.99
ZZZZZZ	162290	4.42	611197	5.49	403876	7.70	724623	10.26	772350	15.38	649376	17.99
ZZZZZZ	145739	4.43	577812	5.48	362398	7.70	643774	10.26	671373	15.38	560402	17.99
ZZZZZZ	137505	4.43	541592	5.48	340722	7.70	600959	10.26	649784	15.38	552136	17.98

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 Internal Standard Area Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EZ4575-CC4569 **Injection Date:** 05/28/14
Lab File ID: Z91924.D **Injection Time:** 21:53
Instrument ID: GCMSZ **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	302632	3.76	1210626	5.11	680524	7.16	1136842	8.96	1149820	12.70	1062730	14.75
Upper Limit [a]	605264	4.26	2421252	5.61	1361048	7.66	2273684	9.46	2299640	13.20	2125460	15.25
Lower Limit [b]	151316	3.26	605313	4.61	340262	6.66	568421	8.46	574910	12.20	531365	14.25

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
OP75133-MB1	272392	3.76	1087789	5.10	602120	7.16	1022546	8.96	1045550	12.70	971154	14.75
OP75133-BS1	280137	3.76	1103054	5.11	608505	7.16	1017228	8.96	1005959	12.71	938627	14.75
OP75133-MS	282804	3.76	1106470	5.11	611122	7.16	1017635	8.96	972015	12.70	908367	14.75
OP75133-MSD	284203	3.76	1098293	5.11	592566	7.16	974923	8.96	920842	12.70	880595	14.75
ZZZZZZ	298276	3.76	1174873	5.10	642260	7.16	1086566	8.96	1095277	12.70	1036259	14.75
ZZZZZZ	273801	3.76	1073194	5.10	594450	7.16	999337	8.96	1010107	12.70	938725	14.75
ZZZZZZ	295108	3.76	1166798	5.11	662775	7.16	1102359	8.96	1115521	12.70	1038124	14.75
ZZZZZZ	308095	3.76	1183334	5.10	662326	7.16	1119150	8.96	1124815	12.70	1032326	14.75
ZZZZZZ	293510	3.76	1170070	5.10	638542	7.16	1073970	8.96	1083606	12.70	1017725	14.75
ZZZZZZ	300025	3.76	1180325	5.10	641172	7.16	1085920	8.96	1085101	12.70	1015495	14.75
ZZZZZZ	297159	3.76	1156302	5.10	643337	7.16	1085978	8.96	1077437	12.70	1008773	14.75
ZZZZZZ	325824	3.76	1272677	5.11	696130	7.16	1167318	8.96	1169335	12.70	1096729	14.75
JB67712-1	299774	3.76	1186000	5.10	664140	7.16	1121318	8.96	1140456	12.70	1056503	14.75
ZZZZZZ	306138	3.76	1228808	5.10	680857	7.16	1146618	8.96	1162632	12.70	1084605	14.75
ZZZZZZ	323224	3.76	1200548	5.11	678041	7.16	1143967	8.96	1181517	12.70	1123328	14.75
ZZZZZZ	326838	3.76	1272194	5.10	693139	7.16	1153176	8.96	1171856	12.70	1112843	14.75
ZZZZZZ	303035	3.76	1166629	5.10	656776	7.16	1102543	8.96	1106214	12.70	1014684	14.75
JB67744-6	319252	3.76	1235081	5.10	680691	7.16	1159409	8.96	1169285	12.70	1089255	14.75
JB67744-11	291281	3.76	1136866	5.10	622637	7.16	1056862	8.96	1045909	12.70	972867	14.75

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 Surrogate Recovery Summary

Job Number: JB67744
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
JB67744-6	Z91945.D	52	33	109	98	95	104
JB67744-11	Z91946.D	48	30	107	98	90	106
OP75133-BS1	Z91927.D	49	33	115	96	91	104
OP75133-MB1	Z91926.D	45	27	111	96	92	95
OP75133-MS	Z91928.D	69	53	115	99	93	106
OP75133-MSD	Z91929.D	69	53	119	100	95	107

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: JB67744
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
JB67744-1	2M63914.D	69	71	93	74	72	76
JB67744-2	2M63915.D	68	72	96	72	71	78
JB67744-3	2M63916.D	62	66	88	64	66	69
JB67744-4	2M63917.D	70	74	96	75	73	79
JB67744-5	2M63918.D	65	69	87	69	71	73
JB67744-8	2M63919.D	74	78	108	80	79	87
JB67744-9	2M63920.D	69	73	97	75	73	83
JB67744-10	2M63921.D	66	69	89	72	70	76
JB67744-12	6P7506.D	61	56	88	58	70	74
JB67744-13	6P7564.D	73	69	86	71	76	65
JB67744-14	6P7565.D	70	69	91	71	77	92
JB67744-15	6P7566.D	53	53	66	52	59	64
OP75114-BS1	2M63911.D	82	74	111	76	82	96
OP75114-MB1	2M63910.D	84	85	115	88	85	92
OP75114-MS	2M63912.D	59	55	75	57	58	69
OP75114-MSD	2M63913.D	68	65	95	65	70	84
OP75136-BS1	6P7492.D	79	75	95	77	90	86
OP75136-MB1	6P7491.D	86	79	103	82	97	102
OP75136-MB1	M104849.D	78	87	95	109	87	91
OP75136-MS	6P7645.D	77	85	125* [a]	94	106	111
OP75136-MSD	6P7646.D	71	81	113	86	105	101

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 control limits due to matrix interference.

Initial Calibration Summary

Job Number: JB67744 **Sample:** E2M2693-ICC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63423.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2M

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
Last Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

Calibration Files
2 =2M63427.D 5 =2M63426.D 25 =2M63424.D 80 =2M63422.D
100 =2M63420.D 50 =2M63423.D 1 =2M63421.D 10 =2M63425.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.840	0.830	0.685	0.747	0.732	0.679	0.738	0.785	0.754 7.97
3) Pyridine	2.012	2.056	1.735	1.886	1.841	1.704	1.468	1.998	1.837 10.71
4) N-Nitrosodim	1.049	1.063	1.033	0.997	0.978	0.995	0.957	1.033	1.013 3.63
5) 2-Fluorophen	1.543	1.572	1.515	1.391	1.351	1.463	1.507	1.518	1.482 5.13
6) Indene	3.486	3.389	2.723	2.363	2.088	2.487	2.616	3.253	2.801 18.40
7) Cumene	4.723	4.733	3.865	3.653	3.424	3.560	3.624	4.470	4.006 13.62
8) Phenol-d5	1.912	1.964	1.894	1.702	1.634	1.805	1.803	1.887	1.825 6.14
9) Phenol	2.243	2.335	2.200	1.931	1.809	2.068	1.916	2.242	2.093 9.09
10) Aniline	2.716	2.684	2.669	2.046	1.957	2.541	2.457	2.521	2.449 11.89
11) bis(2-Chloro	1.665	1.678	1.511	1.361	1.309	1.429	1.419	1.594	1.496 9.29
12) 2-Chlorophen	1.756	1.779	1.646	1.440	1.361	1.558	1.503	1.672	1.589 9.42
13) Decane	1.832	1.845	1.472	1.295	1.166	1.343	1.411	1.707	1.509 16.97
14) 1,3-Dichloro	1.903	1.910	1.768	1.523	1.442	1.656	1.724	1.821	1.718 9.90
15) 1,4-Dichloro	1.925	1.924	1.756	1.495	1.412	1.639	1.765	1.840	1.719 11.06
16) Benzyl alcoh	1.066	1.127	1.117	1.011	0.966	1.066	0.981	1.096	1.054 5.83
17) 1,2-Dichloro	1.855	1.811	1.657	1.385	1.274	1.523	1.567	1.719	1.599 12.65
18) Acetophenone	2.685	2.661	2.094	1.786	1.620	1.877	2.053	2.515	2.161 18.99
19) 2-Methylphen	1.522	1.596	1.513	1.311	1.213	1.435	1.286	1.547	1.428 9.86
20) 2,2'-oxybis(	2.072	2.030	1.806	1.401	1.241	1.632	1.873	1.914	1.746 17.08
21) 3&4-Methylph	1.553	1.632	1.488	1.172	1.043	1.369	1.320	1.587	1.395 14.99
22) n-Nitroso-di	1.127	1.094	0.955	0.739	0.689	0.843	0.978	1.038	0.933 17.30
23) Hexachloroet	0.475	0.487	0.459	0.408	0.390	0.436	0.414	0.477	0.443 8.23
24) I Naphthalene-d8	ISTD								
25) Nitrobenzene	0.366	0.386	0.375	0.343	0.324	0.357	0.333	0.377	0.358 6.27
26) Nitrobenzene	0.389	0.406	0.400	0.352	0.335	0.374	0.344	0.398	0.375 7.42
27) Quinoline	0.898	0.932	0.792	0.817	0.790	0.751	0.683	0.908	0.821 10.44
28) Isophorone	0.732	0.743	0.715	0.631	0.605	0.675	0.632	0.724	0.682 7.90
29) 2-Nitropheno	0.172	0.198	0.207	0.187	0.175	0.198	0.165	0.197	0.187 8.02
30) 2,4-Dimethyl	0.303	0.334	0.373	0.314	0.301	0.349	0.239	0.337	0.319 12.65
31) Benzoic acid		0.162	0.227	0.271	0.270	0.249		0.201	0.230 18.51
32) bis(2-Chloro	0.451	0.457	0.426	0.373	0.353	0.394	0.391	0.440	0.411 9.34
33) 2,4-Dichloro	0.276	0.293	0.293	0.256	0.244	0.273	0.241	0.285	0.270 7.65
34) 2,6-Dichloro	0.293	0.300	0.286	0.243	0.224	0.264	0.253	0.286	0.269 10.12
35) 1,3,5-Trichl	0.406	0.394	0.319	0.302	0.278	0.300	0.310	0.381	0.336 14.72
36) 1,2,4-Trichl	0.316	0.326	0.307	0.267	0.253	0.287	0.283	0.310	0.294 8.68
37) 1,2,3-Trichl	0.367	0.377	0.303	0.290	0.272	0.283	0.283	0.353	0.316 13.41
38) Naphthalene	1.263	1.269	1.176	0.993	0.925	1.084	1.127	1.220	1.132 11.10
39) 4-Chloroanil	0.495	0.503	0.497	0.400	0.372	0.459	0.428	0.489	0.455 10.94
40) 2,3-Dichloro	0.423	0.426	0.350	0.319	0.294	0.316	0.322	0.409	0.357 15.02
41) Caprolactam	0.152	0.164	0.154	0.168	0.164	0.151	0.118	0.170	0.155 10.84
42) Hexachlorobu	0.137	0.139	0.129	0.108	0.102	0.120	0.118	0.132	0.123 10.97
43) 4-Chloro-3-m	0.281	0.312	0.314	0.290	0.278	0.301	0.233	0.311	0.290 9.25
44) 2-Methylnaph	0.686	0.690	0.654	0.544	0.507	0.595	0.594	0.663	0.617 11.00
45) 1-Methylnaph	0.924	0.919	0.763	0.709	0.653	0.701	0.694	0.875	0.780 14.05

Initial Calibration Summary

Job Number: JB67744 **Sample:** E2M2693-ICC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63423.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46) Dimethylnaph 0.782 0.786 0.659 0.599 0.553 0.599 0.576 0.764 0.665 14.75

47) I Acenaphthene-d10 ----------ISTD----------

48) Hexachlorocy 0.192 0.226 0.237 0.220 0.206 0.226 0.171 0.234 0.214 10.68
49) 2,4,6-Trichl 0.288 0.321 0.314 0.269 0.248 0.297 0.258 0.321 0.289 9.87
50) 2,4,5-Trichl 0.305 0.334 0.339 0.320 0.312 0.328 0.264 0.341 0.318 7.89
51) 2-Fluorobiph 1.376 1.378 1.263 1.081 0.995 1.170 1.256 1.286 1.226 11.06
52) 2-Chloronaph 1.269 1.318 1.221 1.035 0.949 1.124 1.113 1.252 1.160 10.93
53) Biphenyl 1.991 2.047 1.653 1.534 1.373 1.536 1.524 1.952 1.701 15.13
54) 2-Nitroanili 0.256 0.317 0.351 0.337 0.318 0.340 0.232 0.333 0.310 13.78
55) Dimethylphth 1.316 1.337 1.249 1.129 1.080 1.190 1.148 1.301 1.219 7.87
56) Acenaphthyle 2.046 2.164 2.061 1.794 1.654 1.927 1.776 2.126 1.944 9.54
57) 2,6-Dinitrot 0.221 0.268 0.294 0.279 0.266 0.288 0.191 0.281 0.261 13.86
58) 3-Nitroanili 0.276 0.359 0.397 0.377 0.361 0.389 0.221 0.375 0.345 18.09
59) Acenaphthene 1.334 1.368 1.250 1.064 0.986 1.153 1.179 1.290 1.203 11.05
60) 2,4-Dinitrop 0.135 0.166 0.165 0.154 0.106 0.145 17.31
61) 4-Nitropheno 0.104 0.130 0.152 0.159 0.154 0.155 0.140 0.142 13.69
62) Dibenzofuran 1.806 1.793 1.654 1.346 1.219 1.504 1.579 1.708 1.576 13.33
63) 2,4-Dinitrot 0.305 0.368 0.395 0.345 0.315 0.376 0.244 0.383 0.341 14.88
64) 2,3,4,6-Tetr 0.183 0.223 0.232 0.214 0.207 0.225 0.161 0.227 0.209 11.96
65) Diethylphtha 1.286 1.344 1.269 1.146 1.070 1.193 1.096 1.303 1.213 8.39
66) Fluorene 1.385 1.430 1.323 1.104 0.998 1.211 1.222 1.374 1.256 11.97
67) 4-Chlorophen 0.572 0.556 0.515 0.441 0.400 0.475 0.473 0.540 0.496 11.99
68) 4-Nitroanili 0.290 0.392 0.410 0.378 0.361 0.390 0.257 0.399 0.360 15.52

69) I Phenanthrene-d10 ----------ISTD----------

70) 4,6-Dinitro- 0.080 0.123 0.138 0.133 0.131 0.102 0.118 19.13
71) n-Nitrosodip 0.576 0.611 0.583 0.525 0.496 0.553 0.509 0.600 0.557 7.69
72) 1,2-Diphenyl 0.926 0.979 0.974 0.847 0.790 0.909 0.785 0.960 0.896 8.87
73) 2,4,6-Tribro 0.047 0.055 0.065 0.065 0.064 0.066 0.047 0.060 0.059 13.60
74) 4-Bromopheny 0.152 0.164 0.164 0.152 0.144 0.156 0.145 0.164 0.155 5.48
75) Hexachlorobe 0.173 0.173 0.171 0.158 0.149 0.162 0.156 0.165 0.163 5.28
76) Pentachlorop 0.071 0.095 0.109 0.108 0.103 0.109 0.103 0.100 13.60
77) Phenanthrene 1.350 1.352 1.259 1.086 1.009 1.174 1.222 1.295 1.218 10.09
78) Anthracene 1.270 1.322 1.296 1.105 1.030 1.214 1.134 1.294 1.208 8.83
79) Carbazole 1.395 1.468 1.246 1.214 1.129 1.170 1.068 1.432 1.265 11.76
80) Di-n-butylph 1.220 1.372 1.433 1.320 1.239 1.382 1.086 1.405 1.307 8.97
81) Fluoranthene 1.090 1.167 1.146 1.020 0.950 1.090 0.984 1.149 1.075 7.57
82) Octadecane 0.592 0.672 0.606 0.556 0.504 0.558 0.441 0.672 0.575 13.72

83) I Chrysene-d12 ----------ISTD----------

84) Pyrene 1.504 1.550 1.547 1.411 1.360 1.487 1.328 1.515 1.463 5.83
85) Terphenyl-d1 0.774 0.820 0.850 0.807 0.786 0.828 0.722 0.814 0.800 4.91
86) Butylbenzylp 0.562 0.660 0.748 0.757 0.732 0.763 0.542 0.686 0.681 12.83
87) Butyl steara 0.267 0.363 0.477 0.440 0.416 0.488 0.412 0.409 18.45
88) Benzo[a]anth 1.133 1.160 1.168 1.057 1.002 1.118 1.095 1.141 1.109 5.07
89) 3,3'-Dichlor 0.261 0.324 0.369 0.355 0.340 0.373 0.261 0.345 0.329 13.61
90) Chrysene 1.192 1.191 1.167 1.082 1.061 1.129 1.078 1.141 1.130 4.57
91) bis(2-Ethylh 0.668 0.834 1.018 1.042 1.011 1.046 0.650 0.917 0.898 18.27

92) I Perylene-d12 ----------ISTD----------

93) Di-n-octylph 0.891 1.464 1.914 2.047 1.890 1.988 1.714 1.701 23.94
----- Linear regression ----- Coefficient = 0.9969
Response Ratio = -0.03772 + 1.97346 *A

94) Benzo[b]fluo 0.892 1.183 1.243 1.214 1.156 1.203 0.940 1.207 1.130 11.93
95) Benzo[k]fluo 1.423 1.407 1.358 1.160 1.040 1.254 1.253 1.368 1.283 10.36
96) Benzo[a]pyre 0.848 1.019 1.146 1.104 1.060 1.131 0.843 1.058 1.026 11.58
97) Indeno[1,2,3 0.919 1.200 1.301 1.304 1.242 1.317 1.103 1.226 1.201 11.13
98) Dibenz(a,h)a 0.614 0.932 0.970 1.150 1.104 1.013 0.872 0.998 0.957 17.22

Initial Calibration Summary

Job Number: JB67744 **Sample:** E2M2693-ICC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63423.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 99) Dibenz[a,h]a 0.787 1.013 1.124 1.153 1.092 1.158 0.881 1.044 1.032  13.00
100) 7,12-Dimethy 0.260 0.399 0.621 0.615 0.564 0.587       0.484 0.504  26.55
             ----- Linear regression -----  Coefficient =  0.9959
               Response Ratio = -0.00933 + 0.59009 *A

101) Benzo[g,h,i] 0.867 0.999 1.055 1.071 1.017 1.068 0.883 0.999 0.995   7.97

102)     1,4-Dichlorobenzene-d ----------------ISTD---------------------
103) Benzaldehyde 1.186 1.225 1.256 1.135 1.092 1.184 1.186 1.236 1.188   4.54

104)     Acenaphthene-d10a     ----------------ISTD---------------------
105) 1,2,4,5-Tetr 0.417 0.450 0.444 0.431 0.430 0.434 0.427 0.441 0.434   2.42
106) 2-bromonapht 0.582 0.636 0.642 0.615 0.610 0.612 0.595 0.627 0.615   3.27

107)     Chrysene-d12a         ----------------ISTD---------------------
108) Benzidine          0.673 0.957 0.937 0.815 1.001       0.774 0.860  14.65
109) 1-chloroocta 0.273 0.376 0.464 0.451 0.436 0.461       0.416 0.411  16.60

110)     Phenanthrene-d10a     ----------------ISTD---------------------
111) Atrazine     0.066 0.087 0.098 0.098 0.094 0.097       0.089 0.090  12.71
112) o-terphenyl  0.435 0.470 0.482 0.443 0.430 0.460 0.425 0.478 0.453   4.93

113)     Naphthalene-d8a       ----------------ISTD---------------------
114) Hydroquinone             0.283 0.321 0.325 0.313       0.214 0.291  15.87
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2M2693.M         Wed May 14 12:22:46 2014   MS2M
```

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63438.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2693\2M63438.D Vial: 20
Acq On : 13 May 2014 10:41 pm Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2693, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
Last Update : Wed May 14 11:30:39 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	136	0.00	4.84
9	t	Phenol	2.093	1.762	15.8	116	0.00	4.56
12	t	2-Chlorophenol	1.589	1.429	10.1	125	0.00	4.68
19	t	2-Methylphenol	1.428	1.346	5.7	128	0.00	5.03
21	t	3&4-Methylphenol	1.395	1.399	-0.3	139	0.00	5.15
24	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00	5.96
29	t	2-Nitrophenol	0.187	0.168	10.2	123	0.00	5.59
30	t	2,4-Dimethylphenol	0.319	0.299	6.3	124	0.00	5.62
31	t	Benzoic acid	0.230	0.195	15.2	113	0.01	5.73
33	t	2,4-Dichlorophenol	0.270	0.238	11.9	127	0.00	5.81
34	t	2,6-Dichlorophenol	0.269	0.238	11.5	130	0.00	6.04
43	t	4-Chloro-3-methylphenol	0.290	0.259	10.7	125	0.00	6.54
47	I	Acenaphthene-d10	1.000	1.000	0.0	151	0.00	8.06
49	t	2,4,6-Trichlorophenol	0.289	0.260	10.0	132	0.00	7.06
50	t	2,4,5-Trichlorophenol	0.318	0.274	13.8	126	-0.01	7.10
61	t	4-Nitrophenol	0.142	0.126	11.3	123	0.00	8.25
64		2,3,4,6-Tetrachlorophenol	0.209	0.177	15.3	119	0.00	8.53
69	I	Phenanthrene-d10	1.000	1.000	0.0	149	0.00	10.25
70	t	4,6-Dinitro-2-methylpheno	0.118	0.095	19.5	109	0.00	8.93
76	t	Pentachlorophenol	0.100	0.090	10.0	124	0.00	9.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63423.D M2M2693.M Wed May 14 11:31:24 2014 MS2M

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63439.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2693\2M63439.D Vial: 21
Acq On : 13 May 2014 11:06 pm Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2693, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
Last Update : Wed May 14 12:22:20 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	4.84
3	t	Pyridine	1.837	1.454	20.8	106	0.01	2.74
4	t	N-Nitrosodimethylamine	1.013	0.927	8.5	116	0.01	2.70
11	t	bis(2-Chloroethyl)ether	1.496	1.406	6.0	122	0.00	4.63
14	t	1,3-Dichlorobenzene	1.718	1.460	15.0	109	0.00	4.80
15	t	1,4-Dichlorobenzene	1.719	1.456	15.3	110	0.00	4.85
16	t	Benzyl alcohol	1.054	0.902	14.4	105	0.00	4.95
17	t	1,2-Dichlorobenzene	1.599	1.400	12.4	114	0.00	4.98
20	t	2,2'-oxybis(1-Chloropropa	1.746	1.696	2.9	129	0.00	5.05
22	t	n-Nitroso-di-n-propylamin	0.933	0.912	2.3	134	0.00	5.15
23	t	Hexachloroethane	0.443	0.387	12.6	110	0.00	5.26
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	5.96
26	t	Nitrobenzene	0.375	0.331	11.7	109	0.00	5.30
28	t	Isophorone	0.682	0.587	13.9	107	0.00	5.51
32	t	bis(2-Chloroethoxy)methan	0.411	0.387	5.8	121	0.00	5.71
36	t	1,2,4-Trichlorobenzene	0.294	0.255	13.3	110	0.00	5.90
38	t	Naphthalene	1.132	0.969	14.4	110	0.00	5.98
42	t	Hexachlorobutadiene	0.123	0.107	13.0	110	0.00	6.11
44	t	2-Methylnaphthalene	0.617	0.516	16.4	107	0.00	6.73
47	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	8.06
52	t	2-Chloronaphthalene	1.160	1.000	13.8	106	0.00	7.32
54	t	2-Nitroaniline	0.310	0.280	9.7	99	0.00	7.45
55	t	Dimethylphthalate	1.219	1.082	11.2	109	0.00	7.71
56	t	Acenaphthylene	1.944	1.509	22.4	93	0.00	7.87
57	t	2,6-Dinitrotoluene	0.261	0.236	9.6	98	0.00	7.78
58	t	3-Nitroaniline	0.345	0.275	20.3	84	0.00	8.01
59	t	Acenaphthene	1.203	1.083	10.0	112	0.00	8.11
62	t	Dibenzofuran	1.576	1.349	14.4	107	0.00	8.35
63	t	2,4-Dinitrotoluene	0.341	0.297	12.9	94	0.00	8.34
65	t	Diethylphthalate	1.213	1.099	9.4	110	0.00	8.72
66	t	Fluorene	1.256	1.124	10.5	111	0.00	8.84
67	t	4-Chlorophenyl-phenylethe	0.496	0.454	8.5	114	0.00	8.86
68	t	4-Nitroaniline	0.360	0.306	15.0	94	0.00	8.88
69	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00	10.25
71	t	n-Nitrosodiphenylamine	0.557	0.528	5.2	113	0.00	9.03
72	t	1,2-Diphenylhydrazine	0.896	0.840	6.3	109	0.00	9.09
74	t	4-Bromophenyl-phenylether	0.155	0.147	5.2	111	0.00	9.59
75	t	Hexachlorobenzene	0.163	0.143	12.3	104	0.00	9.67
77	t	Phenanthrene	1.218	1.052	13.6	106	0.00	10.28

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63439.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

78	t	Anthracene	1.208	1.070	11.4	104	0.00	10.36
79	t	Carbazole	1.265	1.002	20.8	101	0.00	10.63
80	t	Di-n-butylphthalate	1.307	1.258	3.7	107	0.00	11.25
81	t	Fluoranthene	1.075	0.971	9.7	105	0.00	12.14
83	I	Chrysene-d12	1.000	1.000	0.0	108	0.00	14.43
84	t	Pyrene	1.463	1.429	2.3	103	0.00	12.50
86	t	Butylbenzylphthalate	0.681	0.729	-7.0	103	0.00	13.63
88	t	Benzo[a]anthracene	1.109	1.027	7.4	99	0.00	14.41
89	t	3,3'-Dichlorobenzidine	0.329	0.240	27.1	69	0.00	14.42
90	t	Chrysene	1.130	1.096	3.0	104	0.00	14.47
91	t	bis(2-Ethylhexyl)phthalat	0.898	0.995	-10.8	102	0.00	14.59
92	I	Perylene-d12	1.000	1.000	0.0	103	0.00	16.54
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	50.821	-1.6	103	0.00	15.57
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.130	1.125	0.4	97	0.00	16.02
95	t	Benzo[k]fluoranthene	1.283	1.240	3.4	102	0.00	16.06
96	t	Benzo[a]pyrene	1.026	1.080	-5.3	99	0.00	16.46
97	t	Indeno[1,2,3-cd]pyrene	1.201	1.174	2.2	92	0.00	18.15
99	t	Dibenz[a,h]anthracene	1.032	1.039	-0.7	93	0.00	18.19
101	t	Benzo[g,h,i]perylene	0.995	1.003	-0.8	97	0.00	18.62
104		Acenaphthene-d10a	1.000	1.000	0.0	126	0.00	8.06
105		1,2,4,5-Tetrachlorobenzen	0.434	0.342	21.2	99	0.00	6.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63432.D M2M2693.M Wed May 14 12:26:41 2014 MS2M

8.7.3

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63440.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2693\2M63440.D Vial: 22
Acq On : 13 May 2014 11:32 pm Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2693, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
Last Update : Wed May 14 12:22:20 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	164	0.00	4.84
2	t	1,4-Dioxane	0.754	0.608	19.4	147	0.02	2.43
6	t	Indene	2.801	2.657	5.1	176	0.00	5.05
7	t	Cumene	4.006	3.382	15.6	156	0.00	4.24
13	t	Decane	1.509	1.197	20.7	147	0.00	4.72
24	I	Naphthalene-d8	1.000	1.000	0.0	168	0.00	5.96
27	t	Quinoline	0.821	0.712	13.3	160	0.00	6.32
40	t	2,3-Dichloroaniline	0.357	0.304	14.8	162	0.00	7.06
41	t	Caprolactam	0.155	0.139	10.3	155	-0.03	6.37
45	t	1-Methylnaphthalene	0.780	0.670	14.1	161	0.00	6.84
46	t	Dimethylnaphthalene	0.665	0.570	14.3	160	0.00	7.50
47	I	Acenaphthene-d10	1.000	1.000	0.0	160	0.00	8.06
48	t	Hexachlorocyclopentadiene	0.214	0.230	-7.5	162	0.00	6.92
53	t	Biphenyl	1.701	1.542	9.3	161	0.00	7.30
60	t	2,4-Dinitrophenol	0.145	0.116	20.0	120	0.00	8.14
69	I	Phenanthrene-d10	1.000	1.000	0.0	159	0.00	10.25
82	t	Octadecane	0.575	0.549	4.5	156	0.00	10.20
92	I	Perylene-d12	1.000	1.000	0.0	120	0.00	16.54
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	50.000	29.852	40.3#	71	-0.01	16.02
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	163	0.00	4.84
103		Benzaldehyde	1.188	1.317	-10.9	181	0.00	4.50
110		Phenanthrene-d10a	1.000	1.000	0.0	156	0.00	10.25
111		Atrazine	0.090	0.100	-11.1	159	0.01	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63432.D M2M2693.M Wed May 14 12:52:07 2014 MS2M

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63441.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2693\2M63441.D Vial: 23
Acq On : 13 May 2014 11:57 pm Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2693, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
Last Update : Wed May 14 11:30:39 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	4.84
5	S	2-Fluorophenol	1.482	1.438	3.0	122	0.00	3.85
8	S	Phenol-d5	1.825	1.746	4.3	120	0.00	4.55
24	I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	5.96
25	S	Nitrobenzene-d5	0.358	0.371	-3.6	123	0.00	5.29
47	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00	8.06
51	S	2-Fluorobiphenyl	1.226	1.236	-0.8	120	0.00	7.17
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	10.25
73	S	2,4,6-Tribromophenol	0.059	0.062	-5.1	104	0.00	9.19
83	I	Chrysene-d12	1.000	1.000	0.0	104	-0.01	14.42
85	S	Terphenyl-d14	0.800	0.887	-10.9	111	0.00	12.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63423.D M2M2693.M Wed May 14 11:39:40 2014 MS2M

8.7.5
8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2693\2M63442.D Vial: 24
Acq On : 14 May 2014 12:23 am Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2693, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
Last Update : Wed May 14 12:22:20 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.
113	Naphthalene-d8a	1.000	1.000	0.0	99	0.00	5.96
114	Hydroquinone	0.291	0.360	-23.7	114	0.00	6.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63432.D M2M2693.M Wed May 14 12:56:17 2014 MS2M

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2693-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63444.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2693\2M63444.D Vial: 26
Acq On : 14 May 2014 1:14 am Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2693, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
Last Update : Wed May 14 11:30:39 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	119	0.00	4.84
10	Aniline	2.449	2.416	1.3	113	0.00	4.58
24 I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	5.96
39 t	4-Chloroaniline	0.455	0.467	-2.6	121	0.00	6.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63423.D M2M2693.M Wed May 14 11:41:24 2014 MS2M

8.7.7

Initial Calibration Verification

Job Number: JB67744 **Sample:** E2M2694-ICV2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63446.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2694\2M63446.D Vial: 2
Acq On : 14 May 2014 11:40 am Operator: olgaa
Sample : icv2693-50 Inst : MS2M
Misc : op74725,E2M2694, Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
Last Update : Wed May 14 12:22:20 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	178	0.01	14.43
108	Benzidine	0.860	0.924	-7.4	164	0.00	12.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63432.D M2M2693.M Wed May 14 12:59:23 2014 MS2M

8.7.8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E2M2711-CC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63908.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2711\2M63908.D Vial: 2
Acq On : 27 May 2014 10:32 pm Operator: ashleyd
Sample : cc2693-25 Inst : MS2M
Misc : op75039,E2M2711 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
Last Update : Wed May 21 11:24:03 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	104	-0.06	4.75
2	t	1,4-Dioxane	0.754	0.735	2.5	111	-0.05	2.33
3	t	Pyridine	1.837	1.817	1.1	109	-0.06	2.65
4	t	N-Nitrosodimethylamine	1.013	0.963	4.9	97	-0.04	2.62
5	S	2-Fluorophenol	1.482	1.419	4.3	97	-0.05	3.80
6	t	Indene	2.801	2.840	-1.4	108	-0.07	4.96
7	t	Cumene	4.006	4.071	-1.6	109	-0.06	4.16
8	S	Phenol-d5	1.825	1.700	6.8	93	-0.04	4.51
9	t	Phenol	2.093	2.050	2.1	97	-0.04	4.52
10		Aniline	2.449	1.873	23.5#	73	-0.08	4.51
11	t	bis(2-Chloroethyl)ether	1.496	1.410	5.7	97	-0.06	4.54
12	t	2-Chlorophenol	1.589	1.595	-0.4	101	-0.06	4.61
13	t	Decane	1.509	1.535	-1.7	108	-0.07	4.62
14	t	1,3-Dichlorobenzene	1.718	1.697	1.2	100	-0.06	4.71
15	t	1,4-Dichlorobenzene	1.719	1.704	0.9	101	-0.06	4.77
16	t	Benzyl alcohol	1.054	1.052	0.2	98	-0.06	4.87
17	t	1,2-Dichlorobenzene	1.599	1.591	0.5	100	-0.07	4.89
18	t	Acetophenone	2.161	2.264	-4.8	112	-0.07	5.07
19	t	2-Methylphenol	1.428	1.391	2.6	95	-0.06	4.97
20	t	2,2'-oxybis(1-Chloropropa	1.746	1.634	6.4	94	-0.07	4.96
21	t	3&4-Methylphenol	1.395	1.544	-10.7	108	-0.06	5.09
22	t	n-Nitroso-di-n-propylamin	0.933	0.918	1.6	100	-0.07	5.07
23	t	Hexachloroethane	0.443	0.490	-10.6	111	-0.07	5.16
24	I	Naphthalene-d8	1.000	1.000	0.0	103	-0.08	5.85
25	S	Nitrobenzene-d5	0.358	0.361	-0.8	99	-0.07	5.20
26	t	Nitrobenzene	0.375	0.381	-1.6	98	-0.07	5.21
27	t	Quinoline	0.821	0.866	-5.5	112	-0.10	6.22
28	t	Isophorone	0.682	0.680	0.3	97	-0.07	5.42
29	t	2-Nitrophenol	0.187	0.213	-13.9	106	-0.07	5.50
30	t	2,4-Dimethylphenol	0.319	0.325	-1.9	89	-0.07	5.54
31	t	Benzoic acid	0.230	0.260	-13.0	117	-0.07	5.64
32	t	bis(2-Chloroethoxy)methan	0.411	0.394	4.1	95	-0.07	5.61
33	t	2,4-Dichlorophenol	0.270	0.301	-11.5	105	-0.08	5.73
34	t	2,6-Dichlorophenol	0.269	0.298	-10.8	107	-0.07	5.95
35		1,3,5-Trichlorobenzene	0.336	0.371	-10.4	119	-0.10	5.51
36	t	1,2,4-Trichlorobenzene	0.294	0.314	-6.8	105	-0.08	5.80
37		1,2,3-Trichlorobenzene	0.316	0.355	-12.3	120	-0.10	6.03
38	t	Naphthalene	1.132	1.127	0.4	98	-0.08	5.88
39	t	4-Chloroaniline	0.455	0.439	3.5	91	-0.13	5.93
40	t	2,3-Dichloroaniline	0.357	0.406	-13.7	119	-0.09	6.96
41	t	Caprolactam	0.155	0.174	-12.3	116	-0.10	6.29

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E2M2711-CC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63908.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.123	0.141	-14.6	112	-0.09	6.00
43	t	4-Chloro-3-methylphenol	0.290	0.325	-12.1	106	-0.08	6.48
44	t	2-Methylnaphthalene	0.617	0.625	-1.3	98	-0.09	6.61
45	t	1-Methylnaphthalene	0.780	0.831	-6.5	112	-0.09	6.73
46	t	Dimethylnaphthalene	0.665	0.730	-9.8	114	-0.10	7.38
47	I	Acenaphthene-d10	1.000	1.000	0.0	111	-0.10	7.94
48	t	Hexachlorocyclopentadiene	0.214	0.232	-8.4	108	-0.10	6.81
49	t	2,4,6-Trichlorophenol	0.289	0.330	-14.2	117	-0.09	6.97
50	t	2,4,5-Trichlorophenol	0.318	0.361	-13.5	118	-0.09	7.03
51	S	2-Fluorobiphenyl	1.226	1.202	2.0	106	-0.09	7.06
52	t	2-Chloronaphthalene	1.160	1.132	2.4	103	-0.10	7.21
53	t	Biphenyl	1.701	1.732	-1.8	116	-0.10	7.18
54	t	2-Nitroaniline	0.310	0.336	-8.4	106	-0.09	7.35
55	t	Dimethylphthalate	1.219	1.209	0.8	107	-0.10	7.59
56	t	Acenaphthylene	1.944	1.920	1.2	103	-0.10	7.75
57	t	2,6-Dinitrotoluene	0.261	0.292	-11.9	110	-0.09	7.67
58	t	3-Nitroaniline	0.345	0.368	-6.7	103	-0.10	7.90
59	t	Acenaphthene	1.203	1.141	5.2	101	-0.11	7.98
60	t	2,4-Dinitrophenol	0.145	0.150	-3.4	123	-0.09	8.05
61	t	4-Nitrophenol	0.142	0.162	-14.1	118	-0.07	8.21
62	t	Dibenzofuran	1.576	1.495	5.1	100	-0.10	8.23
63	t	2,4-Dinitrotoluene	0.341	0.376	-10.3	106	-0.10	8.23
64		2,3,4,6-Tetrachlorophenol	0.209	0.245	-17.2	117	-0.10	8.43
65	t	Diethylphthalate	1.213	1.336	-10.1	117	-0.11	8.59
66	t	Fluorene	1.256	1.245	0.9	104	-0.11	8.72
67	t	4-Chlorophenyl-phenylethe	0.496	0.522	-5.2	113	-0.11	8.73
68	t	4-Nitroaniline	0.360	0.342	5.0	92	-0.10	8.77
69	I	Phenanthrene-d10	1.000	1.000	0.0	119	-0.12	10.12
70	t	4,6-Dinitro-2-methylpheno	0.118	0.126	-6.8	122	-0.10	8.83
71	t	n-Nitrosodiphenylamine	0.557	0.543	2.5	111	-0.11	8.91
72	t	1,2-Diphenylhydrazine	0.896	0.794	11.4	97	-0.11	8.96
73	S	2,4,6-Tribromophenol	0.059	0.071	-20.3#	130	-0.11	9.08
74	t	4-Bromophenyl-phenylether	0.155	0.170	-9.7	123	-0.12	9.45
75	t	Hexachlorobenzene	0.163	0.168	-3.1	117	-0.12	9.55
76	t	Pentachlorophenol	0.100	0.100	0.0	109	-0.11	9.87
77	t	Phenanthrene	1.218	1.147	5.8	108	-0.13	10.16
78	t	Anthracene	1.208	1.165	3.6	107	-0.13	10.24
79	t	Carbazole	1.265	1.265	0.0	121	-0.12	10.51
80	t	Di-n-butylphthalate	1.307	1.351	-3.4	112	-0.13	11.12
81	t	Fluoranthene	1.075	1.098	-2.1	114	-0.16	12.02
82	t	Octadecane	0.575	0.575	0.0	113	-0.14	10.05
83	I	Chrysene-d12	1.000	1.000	0.0	121	-0.21	14.31
84	t	Pyrene	1.463	1.434	2.0	112	-0.17	12.37
85	S	Terphenyl-d14	0.800	0.831	-3.9	118	-0.17	12.67
86	t	Butylbenzylphthalate	0.681	0.745	-9.4	120	-0.18	13.49
87		Butyl stearate	0.409	0.435	-6.4	110	-0.14	13.65
88	t	Benzo[a]anthracene	1.109	1.090	1.7	113	-0.22	14.28
89	t	3,3'-Dichlorobenzidine	0.329	0.376	-14.3	123	-0.19	14.29
90	t	Chrysene	1.130	1.079	4.5	112	-0.22	14.34
91	t	bis(2-Ethylhexyl)phthalat	0.898	1.049	-16.8	125	-0.20	14.44
92	I	Perylene-d12	1.000	1.000	0.0	124	-0.37	16.42

		----------	True	Calc.	% Drift	----------			
93	t	Di-n-octylphthalate	25.000	26.802	-7.2	133	-0.23	15.43
		----------	AvgRF	CCRF	% Dev	----------			

8.7.9

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E2M2711-CC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63908.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.130	1.211	-7.2	121	-0.36	15.89
95	t	Benzo[k]fluoranthene	1.283	1.182	7.9	108	-0.32	15.93
96	t	Benzo[a]pyrene	1.026	1.131	-10.2	122	-0.38	16.34
97	t	Indeno[1,2,3-cd]pyrene	1.201	1.297	-8.0	124	-0.41	17.99
98	t	Dibenz(a,h)acridine	0.957	1.125	-17.6	144	-0.16	17.62
99	t	Dibenz[a,h]anthracene	1.032	1.115	-8.0	123	-0.41	18.02
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	23.517	5.9	108	-0.32	15.89
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	0.995	1.062	-6.7	125	-0.43	18.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63654.D M2M2693.M Thu May 29 16:15:42 2014 MS2M

8.7.9

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E2M2711-CC2693
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2M63909.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M2711\2M63909.D Vial: 3
Acq On : 27 May 2014 10:57 pm Operator: ashleyd
Sample : cc2693-25 Inst : MS2M
Misc : op75039,E2M2711 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2M2693.M (RTE Integrator)
Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
Last Update : Wed May 21 11:24:03 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	110	-0.06	4.75
103	Benzaldehyde	1.188	1.103	7.2	97	-0.05	4.43
104	Acenaphthene-d10a	1.000	1.000	0.0	111	-0.10	7.94
105	1,2,4,5-Tetrachlorobenzen	0.434	0.479	-10.4	120	-0.10	6.82
106	Chrysene-d12a	1.000	1.000	0.0	126	-0.22	14.30
107	Benzidine	0.860	0.629	26.9#	83	-0.18	12.27
108	Phenanthrene-d10a	1.000	1.000	0.0	117	-0.13	10.12
109	Atrazine	0.090	0.112	-24.4#	134	-0.13	9.75
110	Naphthalene-d8a	1.000	1.000	0.0	105	-0.08	5.85
111	Hydroquinone	0.291	0.431	-48.1#	160	-0.05	6.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M63654.D M2M2693.M Thu May 29 16:16:49 2014 MS2M

8.7.10

8

Initial Calibration Summary

Job Number: JB67744 **Sample:** E6P276-ICC276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6524.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS6P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 13:21:06 2014
Response via : Initial Calibration

Calibration Files
100 =6p6527.D 80 =6p6526.D 50 =6p6524.D 25 =6p6525.D
10 =6p6528.D 5 =6p6529.D 2 =6p6530.D 1 =6p6531.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.350	1.373	1.338	1.412	1.418	1.443	1.673	1.430	1.430	7.37
104) Phenanthrene-d10a	ISTD									
105) Atrazine	0.119	0.117	0.111	0.112	0.112	0.110	0.123	0.114	0.115	3.86
106) o-terphenyl	0.571	0.577	0.539	0.555	0.558	0.581	0.691	0.616	0.586	8.26
107) Chrysene-d12a	ISTD									
108) Benzidine	0.420	0.542	0.650	0.712	0.693	0.665	0.708	0.504	0.612	17.84
109) 1-chlorooctа	0.366	0.362	0.329	0.351	0.354	0.352	0.405	0.341	0.357	6.32
110) Acenaphthene-d10a	ISTD									
111) 1,2,4,5-Tetr	0.536	0.529	0.494	0.501	0.528	0.520	0.620	0.557	0.536	7.33
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone	0.470	0.465	0.436	0.409	0.346	0.290	0.367		0.398	16.71

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

M6P277.M Mon Apr 28 13:27:21 2014 RPT1

8.7.11

8

Initial Calibration Summary

Job Number: JB67744 **Sample:** E6P277-ICC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6545.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS6P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 13:21:06 2014
Response via : Initial Calibration

Calibration Files
100 =6p6543.D 80 =6p6544.D 50 =6p6545.D 25 =6p6546.D
10 =6p6547.D 5 =6p6548.D 2 =6p6549.D 1 =6p6542.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.644	0.621	0.860	0.852	0.648	0.592	0.577	0.749	0.693	16.33
3) Pyridine	1.791	1.792	2.365	2.334	1.556	1.734	1.461	1.470	1.813	19.68
4) N-Nitrosodim	1.056	1.040	1.203	1.188	1.006	1.068	0.966	0.983	1.064	8.32
5) 2-Fluorophen	1.488	1.490	1.578	1.547	1.432	1.463	1.292	1.239	1.441	8.23
6) Indene	2.417	2.453	3.297	3.295	2.506	2.617	2.385	2.445	2.677	14.50
7) Cumene	3.835	3.819	5.186	5.197	3.953	4.096	3.915	3.979	4.247	13.87
8) Phenol-d5	2.047	2.040	2.200	2.240	2.114	2.183	1.915	1.747	2.061	7.99
9) Phenol	2.232	2.255	2.741	2.730	2.402	2.443	2.179	2.069	2.381	10.43
10) Aniline	2.088	2.109	3.154	3.144	2.493	2.805	2.572	2.655	2.627	15.48
11) bis(2-Chloro	1.557	1.588	1.830	1.849	1.638	1.713	1.585	1.602	1.670	6.86
12) 2-Chlorophen	1.315	1.328	1.566	1.555	1.330	1.407	1.200	1.216	1.365	10.09
13) Decane	0.891	0.898	1.208	1.228	0.937	1.045	0.937	0.917	1.007	13.73
14) 1,3-Dichloro	1.366	1.387	1.597	1.598	1.393	1.477	1.426	1.344	1.448	6.90
15) 1,4-Dichloro	1.372	1.401	1.620	1.624	1.417	1.451	1.375	1.388	1.456	7.24
16) Benzyl alcoh	0.951	0.957	1.192	1.178	1.024	1.038	0.883	0.807	1.004	13.34
17) 1,2-Dichloro	1.256	1.269	1.506	1.509	1.327	1.421	1.281	1.317	1.361	7.63
18) Acetophenone	2.246	2.280	3.134	3.141	2.366	2.476	2.203	2.232	2.510	15.82
19) 2-Methylphen	1.308	1.320	1.633	1.690	1.426	1.417	1.209	1.160	1.396	13.50
20) 2,2'-oxybis(	0.440	0.447	0.538	0.523	0.475	0.488	0.437	0.482	0.479	7.82
21) 3&4-Methylph	1.471	1.503	1.792	1.789	1.492	1.540	1.249	1.160	1.500	14.92
22) n-Nitroso-di	1.176	1.182	1.475	1.535	1.355	1.441	1.320	1.303	1.348	9.70
23) Hexachloroet	0.453	0.456	0.536	0.537	0.472	0.489	0.514	0.462	0.490	7.08
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.506	0.514	0.576	0.573	0.528	0.549	0.493	0.486	0.528	6.58
26) Nitrobenzene	0.508	0.511	0.611	0.613	0.538	0.559	0.500	0.506	0.543	8.62
27) Quinoline	0.662	0.666	0.879	0.863	0.650	0.691	0.612	0.579	0.700	15.84
28) Isophorone	0.844	0.848	1.033	1.035	0.896	0.927	0.848	0.764	0.899	10.61
29) 2-Nitropheno	0.172	0.175	0.203	0.200	0.173	0.179	0.150	0.135	0.173	13.11
30) 2,4-Dimethyl	0.404	0.403	0.494	0.496	0.330	0.330			0.409	18.01
31) Benzoic Acid	0.293	0.322	0.262	0.173	0.124	0.075			0.208	47.60
32) bis(2-Chloro	0.468	0.473	0.554	0.556	0.473	0.516	0.481	0.446	0.496	8.32
33) 2,4-Dichloro	0.253	0.258	0.298	0.298	0.248	0.249	0.206	0.187	0.249	15.58
34) 2,6-Dichloro	0.246	0.251	0.295	0.293	0.245	0.262	0.223	0.213	0.254	11.67
35) 1,3,5-Trichl	0.278	0.283	0.382	0.384	0.292	0.318	0.292	0.290	0.315	13.83
36) 1,2,4-Trichl	0.271	0.275	0.319	0.328	0.282	0.296	0.269	0.275	0.290	7.79
37) 1,2,3-Trichl	0.267	0.271	0.363	0.362	0.275	0.301	0.277	0.277	0.299	13.52
38) Naphthalene	0.952	0.946	1.145	1.131	0.973	1.027	0.963	0.974	1.014	7.92
39) 4-Chloroanil	0.394	0.397	0.502	0.490	0.418	0.440	0.398	0.377	0.427	10.93
40) 2,3-Dichloro	0.322	0.331	0.432	0.425	0.322	0.347	0.307	0.282	0.346	15.72
41) Caprolactam	0.135	0.135	0.180	0.175	0.132	0.130	0.118		0.144	16.78
42) Hexachlorobu	0.155	0.155	0.184	0.182	0.162	0.167	0.154	0.149	0.163	8.08
43) 4-Chloro-3-m	0.376	0.381	0.443	0.436	0.373	0.382	0.336	0.310	0.380	11.79
44) 2-Methylnaph	0.544	0.556	0.637	0.633	0.563	0.580	0.519	0.528	0.570	7.82
45) 1-Methylnaph	0.539	0.542	0.722	0.718	0.544	0.569	0.517	0.528	0.585	14.50

8.7.12
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Initial Calibration Summary

Job Number: JB67744 **Sample:** E6P277-ICC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6545.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.583	0.596	0.788	0.779	0.587	0.615	0.560	0.545	0.632	15.26
47)	I Acenaphthene-d10	----------	ISTD	----------							
48)	Hexachlorocy	0.296	0.294	0.364	0.334	0.253	0.238			0.297	15.98
49)	2,4,6-Trichl	0.311	0.309	0.362	0.355	0.304	0.301	0.269	0.274	0.311	10.79
50)	2,4,5-Trichl	0.336	0.336	0.388	0.372	0.333	0.326	0.295	0.229	0.327	14.85
51)	2-Fluorobiph	1.136	1.140	1.271	1.249	1.166	1.225	1.130	1.086	1.175	5.56
52)	2-Chloronaph	0.995	0.993	1.172	1.139	1.017	1.089	1.014	0.996	1.052	6.82
53)	Biphenyl	1.344	1.332	1.777	1.752	1.337	1.431	1.318	1.302	1.449	13.69
54)	2-Nitroanili	0.466	0.458	0.536	0.531	0.456	0.484	0.405	0.371	0.463	12.15
55)	Dimethylphth	1.148	1.135	1.312	1.295	1.142	1.228	1.099	1.056	1.177	7.83
56)	Acenaphthyle	1.671	1.658	1.941	1.900	1.642	1.746	1.615	1.517	1.711	8.44
57)	2,6-Dinitrot	0.271	0.268	0.313	0.306	0.265	0.277	0.241	0.219	0.270	11.49
58)	3-Nitroanili	0.307	0.306	0.361	0.343	0.311	0.311	0.271	0.235	0.306	12.77
59)	Acenaphthene	1.038	1.028	1.203	1.179	1.025	1.105	1.027	1.043	1.081	6.73
60)	2,4-Dinitrop	0.158	0.159	0.192	0.159	0.114				0.156	17.78
61)	4-Nitropheno	0.259	0.247	0.284	0.281	0.210	0.210			0.248	13.25
62)	Dibenzofuran	1.422	1.412	1.639	1.622	1.438	1.525	1.404	1.376	1.480	6.95
63)	2,4-Dinitrot	0.374	0.369	0.439	0.427	0.373	0.394	0.328	0.273	0.372	14.31
64)	2,3,4,6-Tetr	0.275	0.274	0.324	0.309	0.260	0.258	0.202		0.272	14.53
65)	Diethylphtha	1.237	1.202	1.420	1.375	1.222	1.290	1.137	1.111	1.249	8.64
66)	Fluorene	1.187	1.178	1.383	1.362	1.181	1.268	1.127	1.103	1.224	8.50
67)	4-Chlorophen	0.508	0.500	0.585	0.590	0.520	0.561	0.529	0.505	0.537	6.80
68)	4-Nitroanili	0.315	0.306	0.346	0.344	0.299	0.305	0.263	0.208	0.298	15.13
69)	I Phenanthrene-d10	----------	ISTD	----------							
70)	4,6-Dinitro-	0.133	0.137	0.151	0.136	0.110	0.098			0.128	15.44
71)	n-Nitrosodip	0.485	0.492	0.552	0.556	0.480	0.507	0.452	0.429	0.494	8.92
72)	1,2-Diphenyl	1.078	1.078	1.280	1.288	1.135	1.208	1.070	1.020	1.145	8.92
73)	2,4,6-Tribro	0.114	0.116	0.120	0.116	0.103	0.105	0.085	0.069	0.104	17.22
74)	4-Bromopheny	0.182	0.185	0.211	0.203	0.181	0.194	0.172	0.174	0.188	7.33
75)	Hexachlorobe	0.215	0.221	0.250	0.246	0.218	0.234	0.226	0.209	0.227	6.44
76)	Pentachlorop	0.131	0.132	0.143	0.128	0.107	0.094			0.122	14.93
77)	Phenanthrene	1.009	1.017	1.168	1.155	1.004	1.089	1.046	1.087	1.072	5.98
78)	Anthracene	1.024	1.032	1.201	1.201	1.026	1.111	1.006	0.987	1.073	8.05
79)	Carbazole	0.986	0.994	1.307	1.295	0.982	1.057	0.935	0.867	1.053	15.42
80)	Di-n-butylph	1.250	1.247	1.429	1.425	1.254	1.303	1.118	1.044	1.259	10.61
81)	Fluoranthene	1.101	1.100	1.272	1.260	1.101	1.154	1.045	1.020	1.131	8.16
82)	Octadecane	0.440	0.444	0.608	0.625	0.485	0.504	0.450	0.455	0.501	14.86
83)	I Chrysene-d12	----------	ISTD	----------							
84)	Pyrene	1.149	1.157	1.284	1.275	1.133	1.192	1.101	1.098	1.174	6.12
85)	Butyl steara	0.283	0.284	0.339	0.337	0.293	0.297	0.235	0.207	0.284	15.94
86)	Terphenyl-d1	0.770	0.787	0.830	0.829	0.772	0.813	0.717	0.697	0.777	6.35
87)	Butylbenzylp	0.577	0.579	0.632	0.632	0.565	0.565	0.460	0.450	0.558	12.36
88)	Benzo[a]anth	1.015	1.029	1.148	1.151	1.019	1.082	1.003	1.062	1.064	5.54
89)	3,3'-Dichlor	0.376	0.378	0.425	0.416	0.366	0.367	0.291	0.273	0.361	14.86
90)	Chrysene	0.952	0.965	1.064	1.072	0.944	0.984	0.909	0.944	0.979	6.02
91)	bis(2-Ethylh	0.785	0.789	0.872	0.855	0.770	0.769	0.617	0.588	0.756	13.51
92)	I Perylene-d12	----------	ISTD	----------							
93)	Di-n-octylph	1.526	1.548	1.597	1.588	1.481	1.477	1.183	1.024	1.428	14.66
94)	Benzo[b]fluo	1.252	1.273	1.287	1.277	1.133	1.200	1.083	1.054	1.195	7.81
95)	Benzo[k]fluo	1.073	1.089	1.148	1.194	1.123	1.186	1.016	0.975	1.101	7.07
96)	Benzo[a]pyre	1.041	1.046	1.104	1.130	1.014	1.055	0.916	0.911	1.027	7.68
97)	Indeno[1,2,3	1.192	1.140	1.175	1.159	1.054	1.026	0.930	0.793	1.059	13.19
98)	Dibenz(a,h)a	0.955	0.952	1.108	1.114	0.889	0.917	0.836	0.714	0.936	14.21
99)	Dibenz[a,h]a	1.070	1.072	1.093	1.097	0.986	1.061	0.928	0.815	1.015	9.83
100)	7,12-Dimethy		0.554	0.683	0.686	0.403	0.376	0.273		0.496	34.61
	----- Quadratic regression -----									Coefficient =	0.9954

8.7.12

8

Initial Calibration Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E6P277-ICC277
Lab FileID: 6P6545.D

```
                Response Ratio = -0.06937 + 0.91792 *A + -0.16248 *A^2

101) Benzo[g,h,i] 1.036 1.034 1.063 1.086 0.975 1.054 0.968 0.886 1.013   6.47
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M6P277.M          Mon Apr 28 13:25:58 2014   RPT1
```

8.7.12

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6553.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6553.D Vial: 2
Acq On : 28 Apr 2014 9:57 am Operator: emilyp
Sample : icv277-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	129	0.00	5.52
9	t	Phenol	2.381	2.274	4.5	107	0.00	5.26
12	t	2-Chlorophenol	1.365	1.407	-3.1	116	-0.01	5.35
19	t	2-Methylphenol	1.396	1.502	-7.6	118	-0.01	5.76
21	t	3&4-Methylphenol	1.500	1.543	-2.9	111	-0.01	5.90
24	I	Naphthalene-d8	1.000	1.000	0.0	133	0.00	6.69
29	t	2-Nitrophenol	0.173	0.173	0.0	113	-0.01	6.32
30	t	2,4-Dimethylphenol	0.409	0.422	-3.2	114	0.00	6.37
31		Benzoic Acid	0.208	0.148	28.8	75	-0.04	6.51
33	t	2,4-Dichlorophenol	0.249	0.254	-2.0	114	-0.02	6.56
34		2,6-Dichlorophenol	0.254	0.253	0.4	114	-0.01	6.78
43	t	4-Chloro-3-methylphenol	0.380	0.368	3.2	111	-0.02	7.30
47	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00	8.80
49	t	2,4,6-Trichlorophenol	0.311	0.296	4.8	111	-0.01	7.81
50	t	2,4,5-Trichlorophenol	0.327	0.310	5.2	109	-0.03	7.86
61	t	4-Nitrophenol	0.248	0.210	15.3	101	-0.05	9.03
64		2,3,4,6-Tetrachlorophenol	0.272	0.240	11.8	101	-0.02	9.28
69	I	Phenanthrene-d10	1.000	1.000	0.0	134	0.00	10.99
70	t	4,6-Dinitro-2-methylpheno	0.128	0.104	18.8	92	-0.02	9.68
76	t	Pentachlorophenol	0.122	0.098	19.7	92	-0.02	10.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:09:10 2014 RPT1

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6554A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6554a.D Vial: 3
Acq On : 28 Apr 2014 10:26 am Operator: emilyp
Sample : icv276-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110	Acenaphthene-d10a	1.000	1.000	0.0	121	0.12	8.80
111	1,2,4,5-Tetrachlorobenzen	0.536	0.466	13.1	114	0.11	7.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:13:53 2014 RPT1

8.7.14

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6554.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6554.D Vial: 3
Acq On : 28 Apr 2014 10:26 am Operator: emilyp
Sample : icv277-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	5.53
3	t	Pyridine	1.813	1.645	9.3	79	-0.06	2.51
4	t	N-Nitrosodimethylamine	1.064	1.063	0.1	101	-0.03	2.47
11	t	bis(2-Chloroethyl)ether	1.670	1.755	-5.1	109	-0.01	5.31
14	t	1,3-Dichlorobenzene	1.448	1.431	1.2	102	0.00	5.48
15	t	1,4-Dichlorobenzene	1.456	1.428	1.9	100	0.00	5.54
16	t	Benzyl alcohol	1.004	1.013	-0.9	97	-0.01	5.66
17	t	1,2-Dichlorobenzene	1.361	1.349	0.9	102	0.00	5.67
20	t	2,2'-oxybis(1-Chloropropa	0.479	0.491	-2.5	104	0.00	5.77
22	t	n-Nitroso-di-n-propylamin	1.348	1.358	-0.7	105	0.00	5.88
23	t	Hexachloroethane	0.490	0.474	3.3	101	0.00	5.97
24	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	6.69
26	t	Nitrobenzene	0.543	0.544	-0.2	98	0.00	6.03
28	t	Isophorone	0.899	0.884	1.7	94	0.00	6.25
32	t	bis(2-Chloroethoxy)methan	0.496	0.533	-7.5	106	0.00	6.45
36	t	1,2,4-Trichlorobenzene	0.290	0.287	1.0	99	0.00	6.64
38	t	Naphthalene	1.014	1.017	-0.3	98	0.00	6.71
42	t	Hexachlorobutadiene	0.163	0.168	-3.1	100	-0.01	6.84
44	t	2-Methylnaphthalene	0.570	0.537	5.8	93	0.00	7.46
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	8.80
48	t	Hexachlorocyclopentadiene	0.297	0.246	17.2	72	0.00	7.66
52	t	2-Chloronaphthalene	1.052	1.031	2.0	93	0.00	8.05
54	t	2-Nitroaniline	0.463	0.449	3.0	89	0.00	8.20
55	t	Dimethylphthalate	1.177	1.181	-0.3	96	0.00	8.45
56	t	Acenaphthylene	1.711	1.447	15.4	79	0.00	8.60
57	t	2,6-Dinitrotoluene	0.270	0.263	2.6	89	0.00	8.53
58	t	3-Nitroaniline	0.306	0.260	15.0	77	0.00	8.75
59	t	Acenaphthene	1.081	1.088	-0.6	96	0.00	8.84
62	t	Dibenzofuran	1.480	1.415	4.4	92	0.00	9.09
63	t	2,4-Dinitrotoluene	0.372	0.354	4.8	86	0.00	9.09
65	t	Diethylphthalate	1.249	1.236	1.0	92	0.00	9.46
66	t	Fluorene	1.224	1.225	-0.1	94	0.00	9.58
67	t	4-Chlorophenyl-phenylethe	0.537	0.533	0.7	97	0.00	9.59
68	t	4-Nitroaniline	0.298	0.276	7.4	85	-0.01	9.63
69	I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00	10.99
71	t	n-Nitrosodiphenylamine	0.494	0.521	-5.5	95	0.00	9.78
72	t	1,2-Diphenylhydrazine	1.145	1.200	-4.8	94	0.00	9.83
74	t	4-Bromophenyl-phenylether	0.188	0.191	-1.6	91	0.00	10.33
75	t	Hexachlorobenzene	0.227	0.220	3.1	88	0.00	10.41

8.7.15
8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6554.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.072	1.039	3.1	89	0.00	11.02
78	t	Anthracene	1.073	1.061	1.1	89	0.00	11.10
79	t	Carbazole	1.053	0.972	7.7	75	0.00	11.38
80	t	Di-n-butylphthalate	1.259	1.276	-1.4	90	0.00	12.01
81	t	Fluoranthene	1.131	1.096	3.1	87	0.00	12.90
83	I	Chrysene-d12	1.000	1.000	0.0	88	0.00	15.21
84	t	Pyrene	1.174	1.242	-5.8	85	0.00	13.25
87	t	Butylbenzylphthalate	0.558	0.611	-9.5	85	0.00	14.41
88	t	Benzo[a]anthracene	1.064	1.075	-1.0	83	0.00	15.19
89	t	3,3'-Dichlorobenzidine	0.361	0.293	18.8	61	0.00	15.20
90	t	Chrysene	0.979	1.041	-6.3	86	0.00	15.25
91	t	bis(2-Ethylhexyl)phthalat	0.756	0.833	-10.2	84	0.00	15.38
92	I	Perylene-d12	1.000	1.000	0.0	80	0.00	17.33
93	t	Di-n-octylphthalate	1.428	1.619	-13.4	81	0.00	16.37
94	t	Benzo[b]fluoranthene	1.195	1.225	-2.5	76	0.00	16.81
95	t	Benzo[k]fluoranthene	1.101	1.170	-6.3	81	0.01	16.85
96	t	Benzo[a]pyrene	1.027	1.097	-6.8	79	0.00	17.25
99	t	Dibenz[a,h]anthracene	1.015	1.075	-5.9	78	0.00	18.70
101	t	Benzo[g,h,i]perylene	1.013	1.077	-6.3	81	0.01	19.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:09:12 2014 RPT1

8.7.15

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6555.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6555.D Vial: 4
Acq On : 28 Apr 2014 10:54 am Operator: emilyp
Sample : icv277-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.00	5.52
2		1,4-Dioxane	0.693	0.688	0.7	109	0.01	2.12
6	t	Indene	2.677	2.946	-10.0	122	0.00	5.75
7	t	Cumene	4.247	4.508	-6.1	118	0.00	4.82
13	t	Decane	1.007	1.039	-3.2	117	0.00	5.41
18	t	Acetophenone	2.510	2.661	-6.0	116	0.00	5.88
24	I	Naphthalene-d8	1.000	1.000	0.0	134	0.00	6.69
27	t	Quinoline	0.700	0.749	-7.0	114	-0.01	7.06
40	t	2,3-Dichloroaniline	0.346	0.337	2.6	104	0.00	7.81
41	t	Caprolactam	0.144	0.139	3.5	103	0.01	7.13
45	t	1-Methylnaphthalene	0.585	0.622	-6.3	115	0.00	7.58
46	t	Dimethylnaphthalene	0.632	0.668	-5.7	113	0.00	8.24
47	I	Acenaphthene-d10	1.000	1.000	0.0	128	0.00	8.80
53	t	Biphenyl	1.449	1.592	-9.9	114	0.00	8.04
60	t	2,4-Dinitrophenol	0.156	0.130	16.7	86	-0.01	8.90
69	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00	10.99
82	t	Octadecane	0.501	0.551	-10.0	111	0.00	10.95
92	I	Perylene-d12	1.000	1.000	0.0	85	-0.01	17.33
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	23.300	53.4#	41	0.00	16.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:09:14 2014 RPT1

8.7.16

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6555A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6555a.D Vial: 4
Acq On : 28 Apr 2014 10:54 am Operator: emilyp
Sample : icv276-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	150	0.08	5.52
103	Benzaldehyde	1.430	1.571	-9.9	176	0.09	5.15
104	Phenanthrene-d10a	1.000	1.000	0.0	138	0.14	10.99
105	Atrazine	0.115	0.119	-3.5	149	0.13	10.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:13:55 2014 RPT1

8.7.17

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6556.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6556.D Vial: 5
Acq On : 28 Apr 2014 11:22 am Operator: emilyp
Sample : icv277-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	5.52
5	S	2-Fluorophenol	1.441	1.643	-14.0	107	0.00	4.34
8	S	Phenol-d5	2.061	2.255	-9.4	105	0.00	5.25
24	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00	6.69
25	S	Nitrobenzene-d5	0.528	0.603	-14.2	106	0.00	6.01
47	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.01	8.79
51	S	2-Fluorobiphenyl	1.175	1.359	-15.7	102	0.00	7.91
69	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.01	10.98
73	S	2,4,6-Tribromophenol	0.104	0.111	-6.7	85	-0.01	9.94
83	I	Chrysene-d12	1.000	1.000	0.0	82	-0.01	15.20
86	S	Terphenyl-d14	0.777	0.927	-19.3	91	0.00	13.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:09:16 2014 RPT1

8.7.18

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6557.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6557.D Vial: 6
Acq On : 28 Apr 2014 11:50 am Operator: emilyp
Sample : icv277-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 13:21:06 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	5.52
10	t	Aniline	2.627	2.998	-14.1	84	0.00	5.25
24	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00	6.69
39	t	4-Chloroaniline	0.427	0.478	-11.9	85	0.00	6.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6557.D M6P277.M Mon Apr 28 13:22:19 2014 RPT1

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6558.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p278\6p6558.D Vial: 7
Acq On : 28 Apr 2014 12:18 pm Operator: emilyp
Sample : icv276-50 Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Mon Apr 28 12:16:53 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	152	0.16	15.20
108	Benzidine	0.612	0.758	-23.9	177	0.14	13.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p6524.D M6P277.M Mon Apr 28 13:09:23 2014 RPT1

8.7.20

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** E6P278-ICV276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P6559.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\e6p278\6p6559.D           Vial: 8
  Acq On    : 28 Apr 2014  12:47 pm                   Operator: emilyp
  Sample    : icv276-50                               Inst    : MS6P
  Misc      : op73158,e6p278                          Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MSi 30m x .25mm x .25um
  Last Update  : Mon Apr 28 12:16:53 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 : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	108	0.10	6.69
113	Hydroquinone	0.398	0.433	-8.8	107	0.09	7.13

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     6p6524.D   M6P277.M         Mon Apr 28 13:09:26 2014   RPT1
```

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P318-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7480.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p318\6p7480.D Vial: 2
Acq On : 29 May 2014 9:18 am Operator: ashleyv
Sample : cc277-25 Inst : MS6P
Misc : op74494,e6p318 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed May 28 14:52:28 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	-0.05	5.10
2		1,4-Dioxane	0.693	0.632	8.8	105	-0.06	1.58
3	t	Pyridine	1.813	1.622	10.5	98	-0.08	1.88
4	t	N-Nitrosodimethylamine	1.064	0.929	12.7	111	-0.08	1.85
5	S	2-Fluorophenol	1.441	1.386	3.8	127	-0.07	3.85
6	t	Indene	2.677	2.712	-1.3	116	-0.05	5.31
7	t	Cumene	4.247	4.252	-0.1	116	-0.06	4.35
8	S	Phenol-d5	2.061	1.935	6.1	122	-0.05	4.85
9	t	Phenol	2.381	2.082	12.6	108	-0.05	4.86
10	t	Aniline	2.627	2.268	13.7	102	-0.06	4.81
11	t	bis(2-Chloroethyl)ether	1.670	1.447	13.4	111	-0.05	4.89
12	t	2-Chlorophenol	1.365	1.458	-6.8	133	-0.05	4.92
13	t	Decane	1.007	1.170	-16.2	135	-0.05	4.99
14	t	1,3-Dichlorobenzene	1.448	1.575	-8.8	139	-0.05	5.04
15	t	1,4-Dichlorobenzene	1.456	1.614	-10.9	140	-0.05	5.11
16	t	Benzyl alcohol	1.004	1.049	-4.5	126	-0.05	5.24
17	t	1,2-Dichlorobenzene	1.361	1.534	-12.7	144	-0.05	5.23
18	t	Acetophenone	2.510	2.479	1.2	112	-0.05	5.44
19	t	2-Methylphenol	1.396	1.407	-0.8	118	-0.05	5.36
20	t	2,2'-oxybis(1-Chloropropa	0.479	0.464	3.1	126	-0.05	5.35
21	t	3&4-Methylphenol	1.500	1.509	-0.6	119	-0.05	5.49
22	t	n-Nitroso-di-n-propylamin	1.348	1.234	8.5	114	-0.05	5.46
23	t	Hexachloroethane	0.490	0.583	-19.0	153	-0.05	5.51
24	I	Naphthalene-d8	1.000	1.000	0.0	139	-0.06	6.18
25	S	Nitrobenzene-d5	0.528	0.488	7.6	119	-0.05	5.56
26	t	Nitrobenzene	0.543	0.516	5.0	118	-0.05	5.58
27	t	Quinoline	0.700	0.714	-2.0	115	-0.07	6.53
28	t	Isophorone	0.899	0.848	5.7	114	-0.05	5.79
29	t	2-Nitrophenol	0.173	0.197	-13.9	137	-0.05	5.85
30	t	2,4-Dimethylphenol	0.409	0.414	-1.2	116	-0.05	5.92
31		Benzoic Acid	0.208	0.276	-32.7#	222#	-0.06	6.05
32	t	bis(2-Chloroethoxy)methan	0.496	0.430	13.3	108	-0.05	5.99
33	t	2,4-Dichlorophenol	0.249	0.293	-17.7	137	-0.06	6.08
34		2,6-Dichlorophenol	0.254	0.288	-13.4	137	-0.06	6.28
35	t	1,3,5-Trichlorobenzene	0.315	0.356	-13.0	129	-0.05	5.86
36	t	1,2,4-Trichlorobenzene	0.290	0.327	-12.8	139	-0.06	6.14
37	t	1,2,3-Trichlorobenzene	0.299	0.327	-9.4	126	-0.06	6.35
38	t	Naphthalene	1.014	1.085	-7.0	134	-0.06	6.20
39	t	4-Chloroaniline	0.427	0.454	-6.3	129	-0.06	6.28
40	t	2,3-Dichloroaniline	0.346	0.377	-9.0	124	-0.07	7.23
41	t	Caprolactam	0.144	0.141	2.1	112	-0.06	6.63

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P318-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7480.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.163	0.206	-26.4#	158	-0.06	6.33
43	t	4-Chloro-3-methylphenol	0.380	0.400	-5.3	128	-0.07	6.80
44	t	2-Methylnaphthalene	0.570	0.631	-10.7	139	-0.07	6.90
45	t	1-Methylnaphthalene	0.585	0.635	-8.5	123	-0.08	7.00
46	t	Dimethylnaphthalene	0.632	0.663	-4.9	119	-0.08	7.63
47	I	Acenaphthene-d10	1.000	1.000	0.0	136	-0.08	8.15
48	t	Hexachlorocyclopentadiene	0.297	0.306	-3.0	125	-0.07	7.08
49	t	2,4,6-Trichlorophenol	0.311	0.366	-17.7	140	-0.07	7.25
50	t	2,4,5-Trichlorophenol	0.327	0.380	-16.2	139	-0.08	7.30
51	S	2-Fluorobiphenyl	1.175	1.290	-9.8	140	-0.08	7.33
52	t	2-Chloronaphthalene	1.052	1.173	-11.5	140	-0.08	7.45
53	t	Biphenyl	1.449	1.564	-7.9	121	-0.08	7.44
54	t	2-Nitroaniline	0.463	0.461	0.4	118	-0.08	7.60
55	t	Dimethylphthalate	1.177	1.302	-10.6	137	-0.08	7.85
56	t	Acenaphthylene	1.711	1.886	-10.2	135	-0.08	7.97
57	t	2,6-Dinitrotoluene	0.270	0.304	-12.6	135	-0.08	7.92
58	t	3-Nitroaniline	0.306	0.315	-2.9	125	-0.08	8.14
59	t	Acenaphthene	1.081	1.171	-8.3	135	-0.08	8.20
60	t	2,4-Dinitrophenol	0.156	0.114	26.9#	98	-0.08	8.30
61	t	4-Nitrophenol	0.248	0.281	-13.3	136	-0.08	8.46
62	t	Dibenzofuran	1.480	1.647	-11.3	138	-0.09	8.43
63	t	2,4-Dinitrotoluene	0.372	0.416	-11.8	132	-0.08	8.47
64		2,3,4,6-Tetrachlorophenol	0.272	0.321	-18.0	141	-0.09	8.64
65	t	Diethylphthalate	1.249	1.391	-11.4	138	-0.09	8.82
66	t	Fluorene	1.224	1.342	-9.6	134	-0.09	8.91
67	t	4-Chlorophenyl-phenylethe	0.537	0.593	-10.4	137	-0.09	8.94
68	t	4-Nitroaniline	0.298	0.299	-0.3	118	-0.09	8.99
69	I	Phenanthrene-d10	1.000	1.000	0.0	140	-0.10	10.28
70	t	4,6-Dinitro-2-methylpheno	0.128	0.108	15.6	111	-0.08	9.05
71	t	n-Nitrosodiphenylamine	0.494	0.518	-4.9	131	-0.09	9.12
72	t	1,2-Diphenylhydrazine	1.145	1.025	10.5	111	-0.09	9.17
73	S	2,4,6-Tribromophenol	0.104	0.125	-20.2#	151	-0.09	9.27
74	t	4-Bromophenyl-phenylether	0.188	0.211	-12.2	146	-0.09	9.65
75	t	Hexachlorobenzene	0.227	0.255	-12.3	145	-0.09	9.72
76	t	Pentachlorophenol	0.122	0.137	-12.3	150	-0.09	10.05
77	t	Phenanthrene	1.072	1.110	-3.5	135	-0.09	10.32
78	t	Anthracene	1.073	1.141	-6.3	133	-0.10	10.40
79	t	Carbazole	1.053	1.055	-0.2	114	-0.10	10.68
80	t	Di-n-butylphthalate	1.259	1.320	-4.8	130	-0.09	11.34
81	t	Fluoranthene	1.131	1.181	-4.4	131	-0.10	12.17
82	t	Octadecane	0.501	0.486	3.0	109	-0.09	10.29
83	I	Chrysene-d12	1.000	1.000	0.0	143	-0.10	14.46
84	t	Pyrene	1.174	1.183	-0.8	132	-0.10	12.51
85		Butyl stearate	0.284	0.289	-1.8	123	-0.09	13.90
86	S	Terphenyl-d14	0.777	0.813	-4.6	140	-0.09	12.85
87	t	Butylbenzylphthalate	0.558	0.570	-2.2	129	-0.09	13.70
88	t	Benzo[a]anthracene	1.064	1.097	-3.1	136	-0.10	14.44
89	t	3,3'-Dichlorobenzidine	0.361	0.405	-12.2	139	-0.10	14.47
90	t	Chrysene	0.979	1.008	-3.0	134	-0.10	14.50
91	t	bis(2-Ethylhexyl)phthalat	0.756	0.787	-4.1	132	-0.09	14.68
92	I	Perylene-d12	1.000	1.000	0.0	135	-0.10	16.57
93	t	Di-n-octylphthalate	1.428	1.498	-4.9	127	-0.09	15.67
94	t	Benzo[b]fluoranthene	1.195	1.321	-10.5	139	-0.10	16.05
95	t	Benzo[k]fluoranthene	1.101	1.180	-7.2	133	-0.10	16.09
96	t	Benzo[a]pyrene	1.027	1.093	-6.4	130	-0.10	16.49
97	t	Indeno[1,2,3-cd]pyrene	1.059	1.159	-9.4	135	-0.10	17.87

8.7.22

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P318-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7480.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	0.936	1.012	-8.1	122	-0.09	17.64
99	t	Dibenz[a,h]anthracene	1.015	1.158	-14.1	142	-0.10	17.89
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	20.476	18.1	112	-0.10	16.05
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.013	1.113	-9.9	138	-0.11	18.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p7202.D M6P277.M Thu May 29 12:10:27 2014 RPT1

8.7.22
8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P318-CC276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7481.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p318\6p7481.D Vial: 3
Acq On : 29 May 2014 9:53 am Operator: ashleyv
Sample : cc276-25 Inst : MS6P
Misc : op74494,e6p318 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Wed May 28 14:52:28 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	194	-0.06	5.09
103	Benzaldehyde	1.430	1.038	27.4#	143	-0.27	4.70
104	Phenanthrene-d10a	1.000	1.000	0.0	188	-0.09	10.29
105	Atrazine	0.115	0.109	5.2	183	-0.08	9.98
106	Chrysene-d12a	1.000	1.000	0.0	201	-0.10	14.46
107	Benzidine	0.612	0.315	48.5#	89	-0.10	12.45
108	Acenaphthene-d10a	1.000	1.000	0.0	187	-0.08	8.15
109	1,2,4,5-Tetrachlorobenzen	0.536	0.533	0.6	199	-0.21	7.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p7202.D M6P277.M Thu May 29 12:10:29 2014 RPT1

8.7.23

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P320-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7543.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p320\6p7543.D Vial: 2
Acq On : 30 May 2014 12:13 pm Operator: ashleyv
Sample : cc277-25 Inst : MS6P
Misc : op74494,e6p320 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri May 30 14:18:06 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	178	-0.02	5.07
2		1,4-Dioxane	0.693	0.627	9.5	131	-0.02	1.56
3	t	Pyridine	1.813	1.664	8.2	127	-0.02	1.85
4	t	N-Nitrosodimethylamine	1.064	0.971	8.7	145	-0.02	1.83
5	S	2-Fluorophenol	1.441	1.409	2.2	162	-0.02	3.83
6	t	Indene	2.677	2.750	-2.7	148	-0.02	5.29
7	t	Cumene	4.247	4.418	-4.0	151	-0.02	4.32
8	S	Phenol-d5	2.061	2.022	1.9	160	-0.01	4.84
9	t	Phenol	2.381	2.259	5.1	147	-0.01	4.85
10	t	Aniline	2.627	2.400	8.6	136	-0.02	4.80
11	t	bis(2-Chloroethyl)ether	1.670	1.545	7.5	149	-0.02	4.87
12	t	2-Chlorophenol	1.365	1.485	-8.8	170	-0.02	4.91
13	t	Decane	1.007	1.204	-19.6	174	-0.02	4.97
14	t	1,3-Dichlorobenzene	1.448	1.552	-7.2	173	-0.02	5.02
15	t	1,4-Dichlorobenzene	1.456	1.630	-12.0	178	-0.02	5.09
16	t	Benzyl alcohol	1.004	1.079	-7.5	163	-0.02	5.22
17	t	1,2-Dichlorobenzene	1.361	1.544	-13.4	182	-0.02	5.22
18	t	Acetophenone	2.510	2.566	-2.2	145	-0.02	5.43
19	t	2-Methylphenol	1.396	1.460	-4.6	153	-0.02	5.35
20	t	2,2'-oxybis(1-Chloropropa	0.479	0.489	-2.1	166	-0.02	5.33
21	t	3&4-Methylphenol	1.500	1.590	-6.0	158	-0.02	5.47
22	t	n-Nitroso-di-n-propylamin	1.348	1.337	0.8	155	-0.02	5.44
23	t	Hexachloroethane	0.490	0.571	-16.5	189	-0.02	5.49
24	I	Naphthalene-d8	1.000	1.000	0.0	175	-0.02	6.16
25	S	Nitrobenzene-d5	0.528	0.534	-1.1	163	-0.02	5.54
26	t	Nitrobenzene	0.543	0.553	-1.8	158	-0.02	5.56
27	t	Quinoline	0.700	0.725	-3.6	147	-0.02	6.51
28	t	Isophorone	0.899	0.929	-3.3	157	-0.02	5.77
29	t	2-Nitrophenol	0.173	0.197	-13.9	172	-0.02	5.83
30	t	2,4-Dimethylphenol	0.409	0.432	-5.6	153	-0.02	5.91
31		Benzoic Acid	0.208	0.346	-66.3#	350#	0.00	6.04
32	t	bis(2-Chloroethoxy)methan	0.496	0.471	5.0	148	-0.02	5.97
33	t	2,4-Dichlorophenol	0.249	0.294	-18.1	173	-0.02	6.06
34		2,6-Dichlorophenol	0.254	0.293	-15.4	175	-0.02	6.26
35	t	1,3,5-Trichlorobenzene	0.315	0.349	-10.8	159	-0.02	5.84
36	t	1,2,4-Trichlorobenzene	0.290	0.325	-12.1	174	-0.02	6.12
37	t	1,2,3-Trichlorobenzene	0.299	0.328	-9.7	159	-0.02	6.33
38	t	Naphthalene	1.014	1.116	-10.1	173	-0.02	6.18
39	t	4-Chloroaniline	0.427	0.460	-7.7	164	-0.02	6.26
40	t	2,3-Dichloroaniline	0.346	0.376	-8.7	155	-0.02	7.21
41	t	Caprolactam	0.144	0.152	-5.6	152	-0.02	6.61

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P320-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7543.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.163	0.205	-25.8#	197	-0.02	6.31
43	t	4-Chloro-3-methylphenol	0.380	0.429	-12.9	172	-0.01	6.79
44	t	2-Methylnaphthalene	0.570	0.634	-11.2	175	-0.02	6.88
45	t	1-Methylnaphthalene	0.585	0.626	-7.0	153	-0.02	6.99
46	t	Dimethylnaphthalene	0.632	0.679	-7.4	153	-0.02	7.61
47	I	Acenaphthene-d10	1.000	1.000	0.0	176	-0.02	8.13
48	t	Hexachlorocyclopentadiene	0.297	0.284	4.4	150	-0.02	7.06
49	t	2,4,6-Trichlorophenol	0.311	0.361	-16.1	179	-0.02	7.22
50	t	2,4,5-Trichlorophenol	0.327	0.379	-15.9	179	-0.02	7.28
51	S	2-Fluorobiphenyl	1.175	1.247	-6.1	176	-0.02	7.31
52	t	2-Chloronaphthalene	1.052	1.136	-8.0	175	-0.02	7.43
53	t	Biphenyl	1.449	1.542	-6.4	155	-0.02	7.42
54	t	2-Nitroaniline	0.463	0.531	-14.7	176	-0.02	7.59
55	t	Dimethylphthalate	1.177	1.288	-9.4	175	-0.02	7.83
56	t	Acenaphthylene	1.711	1.838	-7.4	170	-0.02	7.95
57	t	2,6-Dinitrotoluene	0.270	0.298	-10.4	171	-0.02	7.90
58	t	3-Nitroaniline	0.306	0.323	-5.6	166	-0.02	8.12
59	t	Acenaphthene	1.081	1.149	-6.3	171	-0.02	8.18
60	t	2,4-Dinitrophenol	0.156	0.144	7.7	159	-0.02	8.28
61	t	4-Nitrophenol	0.248	0.291	-17.3	182	-0.02	8.45
62	t	Dibenzofuran	1.480	1.615	-9.1	175	-0.02	8.41
63	t	2,4-Dinitrotoluene	0.372	0.427	-14.8	176	-0.02	8.45
64		2,3,4,6-Tetrachlorophenol	0.272	0.302	-11.0	172	-0.02	8.62
65	t	Diethylphthalate	1.249	1.393	-11.5	178	-0.02	8.80
66	t	Fluorene	1.224	1.315	-7.4	170	-0.02	8.89
67	t	4-Chlorophenyl-phenylethe	0.537	0.577	-7.4	172	-0.02	8.92
68	t	4-Nitroaniline	0.298	0.304	-2.0	155	-0.02	8.97
69	I	Phenanthrene-d10	1.000	1.000	0.0	177	-0.02	10.26
70	t	4,6-Dinitro-2-methylpheno	0.128	0.123	3.9	159	-0.02	9.04
71	t	n-Nitrosodiphenylamine	0.494	0.514	-4.0	164	-0.02	9.10
72	t	1,2-Diphenylhydrazine	1.145	1.141	0.3	157	-0.02	9.14
73	S	2,4,6-Tribromophenol	0.104	0.112	-7.7	172	-0.02	9.25
74	t	4-Bromophenyl-phenylether	0.188	0.202	-7.4	176	-0.02	9.63
75	t	Hexachlorobenzene	0.227	0.241	-6.2	173	-0.02	9.71
76	t	Pentachlorophenol	0.122	0.132	-8.2	183	-0.02	10.03
77	t	Phenanthrene	1.072	1.117	-4.2	171	-0.02	10.30
78	t	Anthracene	1.073	1.140	-6.2	168	-0.02	10.37
79	t	Carbazole	1.053	1.045	0.8	143	-0.02	10.67
80	t	Di-n-butylphthalate	1.259	1.392	-10.6	173	-0.02	11.32
81	t	Fluoranthene	1.131	1.179	-4.2	165	-0.02	12.15
82	t	Octadecane	0.501	0.518	-3.4	147	-0.02	10.27
83	I	Chrysene-d12	1.000	1.000	0.0	176	-0.02	14.44
84	t	Pyrene	1.174	1.208	-2.9	167	-0.02	12.49
85		Butyl stearate	0.284	0.324	-14.1	170	-0.03	13.87
86	S	Terphenyl-d14	0.777	0.800	-3.0	170	-0.03	12.82
87	t	Butylbenzylphthalate	0.558	0.605	-8.4	169	-0.03	13.67
88	t	Benzo[a]anthracene	1.064	1.103	-3.7	169	-0.02	14.42
89	t	3,3'-Dichlorobenzidine	0.361	0.412	-14.1	174	-0.02	14.44
90	t	Chrysene	0.979	1.019	-4.1	167	-0.02	14.48
91	t	bis(2-Ethylhexyl)phthalat	0.756	0.832	-10.1	171	-0.02	14.66
92	I	Perylene-d12	1.000	1.000	0.0	162	-0.02	16.56
93	t	Di-n-octylphthalate	1.428	1.640	-14.8	167	-0.03	15.64
94	t	Benzo[b]fluoranthene	1.195	1.284	-7.4	163	-0.02	16.04
95	t	Benzo[k]fluoranthene	1.101	1.213	-10.2	164	-0.02	16.08
96	t	Benzo[a]pyrene	1.027	1.103	-7.4	158	-0.02	16.47
97	t	Indeno[1,2,3-cd]pyrene	1.059	1.146	-8.2	160	-0.02	17.86

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P320-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7543.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	0.936	1.030	-10.0	149	-0.02	17.62
99	t	Dibenz[a,h]anthracene	1.015	1.142	-12.5	168	-0.02	17.88
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	20.187	19.3	133	-0.02	16.03
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.013	1.077	-6.3	160	-0.01	18.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p7480.D M6P277.M Sat May 31 11:58:37 2014 RPT1

8.7.24
8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P320-CC276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7544.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p320\6p7544.D Vial: 3
Acq On : 30 May 2014 12:48 pm Operator: ashleyv
Sample : cc276-25 Inst : MS6P
Misc : op74494,e6p320 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Fri May 30 14:18:06 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	223#	-0.02	5.07
103	Benzaldehyde	1.430	1.087	24.0#	172	-0.28	4.68
104	Phenanthrene-d10a	1.000	1.000	0.0	223#	-0.02	10.26
105	Atrazine	0.115	0.110	4.3	219#	-0.10	9.96
106	Chrysene-d12a	1.000	1.000	0.0	244#	-0.02	14.44
107	Benzidine	0.612	0.353	42.3#	121	-0.12	12.43
108	Acenaphthene-d10a	1.000	1.000	0.0	222#	-0.02	8.13
109	1,2,4,5-Tetrachlorobenzen	0.536	0.512	4.5	227#	-0.23	7.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p7480.D M6P277.M Sat May 31 11:58:40 2014 RPT1

8.7.25

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P323-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7630.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p323\6p7630.D Vial: 2
Acq On : 2 Jun 2014 9:34 am Operator: ashleyv
Sample : cc277-50 Inst : MS6P
Misc : op74494,e6p323 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Tue Jun 03 12:00:33 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	194	0.00	5.05
2		1,4-Dioxane	0.693	0.645	6.9	146	-0.04	1.53
3	t	Pyridine	1.813	1.688	6.9	139	-0.05	1.83
4	t	N-Nitrosodimethylamine	1.064	0.956	10.2	154	-0.04	1.81
5	S	2-Fluorophenol	1.441	1.433	0.6	176	-0.04	3.81
6	t	Indene	2.677	2.764	-3.2	163	-0.04	5.27
7	t	Cumene	4.247	4.352	-2.5	163	-0.05	4.30
8	S	Phenol-d5	2.061	1.999	3.0	176	-0.03	4.82
9	t	Phenol	2.381	2.255	5.3	160	-0.03	4.83
10	t	Aniline	2.627	2.104	19.9	130	-0.04	4.77
11	t	bis(2-Chloroethyl)ether	1.670	1.534	8.1	163	-0.04	4.85
12	t	2-Chlorophenol	1.365	1.511	-10.7	187	-0.04	4.89
13	t	Decane	1.007	1.207	-19.9	194	-0.04	4.95
14	t	1,3-Dichlorobenzene	1.448	1.633	-12.8	199	-0.04	5.00
15	t	1,4-Dichlorobenzene	1.456	1.645	-13.0	197	-0.04	5.07
16	t	Benzyl alcohol	1.004	1.072	-6.8	175	-0.03	5.21
17	t	1,2-Dichlorobenzene	1.361	1.566	-15.1	202	-0.04	5.20
18	t	Acetophenone	2.510	2.503	0.3	155	-0.04	5.41
19	t	2-Methylphenol	1.396	1.459	-4.5	173	-0.03	5.33
20	t	2,2'-oxybis(1-Chloropropa	0.479	0.477	0.4	172	-0.04	5.31
21	t	3&4-Methylphenol	1.500	1.603	-6.9	174	-0.03	5.46
22	t	n-Nitroso-di-n-propylamin	1.348	1.294	4.0	170	-0.03	5.43
23	t	Hexachloroethane	0.490	0.593	-21.0#	215#	-0.04	5.46
24	I	Naphthalene-d8	1.000	1.000	0.0	191	0.00	6.14
25	S	Nitrobenzene-d5	0.528	0.501	5.1	166	-0.03	5.53
26	t	Nitrobenzene	0.543	0.551	-1.5	172	-0.03	5.54
27	t	Quinoline	0.700	0.726	-3.7	158	-0.04	6.49
28	t	Isophorone	0.899	0.870	3.2	161	-0.04	5.75
29	t	2-Nitrophenol	0.173	0.201	-16.2	189	-0.04	5.81
30	t	2,4-Dimethylphenol	0.409	0.428	-4.6	165	-0.04	5.89
31		Benzoic Acid	0.208	0.319	-53.4#	232#	0.00	6.05
32	t	bis(2-Chloroethoxy)methan	0.496	0.457	7.9	157	-0.04	5.95
33	t	2,4-Dichlorophenol	0.249	0.300	-20.5#	192	-0.04	6.04
34		2,6-Dichlorophenol	0.254	0.301	-18.5	194	-0.04	6.24
35	t	1,3,5-Trichlorobenzene	0.315	0.364	-15.6	182	-0.04	5.82
36	t	1,2,4-Trichlorobenzene	0.290	0.331	-14.1	198	-0.04	6.10
37	t	1,2,3-Trichlorobenzene	0.299	0.335	-12.0	176	-0.05	6.30
38	t	Naphthalene	1.014	1.084	-6.9	181	-0.04	6.16
39	t	4-Chloroaniline	0.427	0.443	-3.7	168	-0.04	6.23
40	t	2,3-Dichloroaniline	0.346	0.374	-8.1	165	-0.05	7.18
41	t	Caprolactam	0.144	0.138	4.2	146	-0.01	6.62

8.7.26

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P323-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7630.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.163	0.210	-28.8#	218#	-0.05	6.28
43	t	4-Chloro-3-methylphenol	0.380	0.411	-8.2	177	-0.03	6.76
44	t	2-Methylnaphthalene	0.570	0.631	-10.7	189	-0.05	6.85
45	t	1-Methylnaphthalene	0.585	0.640	-9.4	169	-0.04	6.96
46	t	Dimethylnaphthalene	0.632	0.682	-7.9	165	-0.04	7.59
47	I	Acenaphthene-d10	1.000	1.000	0.0	190	0.00	8.11
48	t	Hexachlorocyclopentadiene	0.297	0.320	-7.7	167	-0.05	7.04
49	t	2,4,6-Trichlorophenol	0.311	0.366	-17.7	191	-0.04	7.20
50	t	2,4,5-Trichlorophenol	0.327	0.384	-17.4	188	-0.03	7.27
51	S	2-Fluorobiphenyl	1.175	1.312	-11.7	196	-0.04	7.28
52	t	2-Chloronaphthalene	1.052	1.176	-11.8	190	-0.04	7.41
53	t	Biphenyl	1.449	1.579	-9.0	169	-0.05	7.39
54	t	2-Nitroaniline	0.463	0.504	-8.9	179	-0.04	7.57
55	t	Dimethylphthalate	1.177	1.303	-10.7	188	-0.05	7.80
56	t	Acenaphthylene	1.711	1.886	-10.2	184	-0.05	7.92
57	t	2,6-Dinitrotoluene	0.270	0.303	-12.2	184	-0.04	7.88
58	t	3-Nitroaniline	0.306	0.328	-7.2	172	-0.04	8.10
59	t	Acenaphthene	1.081	1.177	-8.9	186	-0.05	8.15
60	t	2,4-Dinitrophenol	0.156	0.161	-3.2	159	-0.03	8.27
61	t	4-Nitrophenol	0.248	0.264	-6.5	176	-0.04	8.43
62	t	Dibenzofuran	1.480	1.645	-11.1	190	-0.05	8.38
63	t	2,4-Dinitrotoluene	0.372	0.433	-16.4	187	-0.04	8.43
64		2,3,4,6-Tetrachlorophenol	0.272	0.311	-14.3	182	-0.04	8.59
65	t	Diethylphthalate	1.249	1.354	-8.4	181	-0.05	8.77
66	t	Fluorene	1.224	1.342	-9.6	184	-0.05	8.86
67	t	4-Chlorophenyl-phenylethe	0.537	0.608	-13.2	197	-0.05	8.89
68	t	4-Nitroaniline	0.298	0.309	-3.7	169	-0.04	8.95
69	I	Phenanthrene-d10	1.000	1.000	0.0	195	0.00	10.24
70	t	4,6-Dinitro-2-methylpheno	0.128	0.135	-5.5	174	-0.03	9.02
71	t	n-Nitrosodiphenylamine	0.494	0.517	-4.7	183	-0.05	9.07
72	t	1,2-Diphenylhydrazine	1.145	1.042	9.0	159	-0.05	9.12
73	S	2,4,6-Tribromophenol	0.104	0.119	-14.4	194	-0.05	9.22
74	t	4-Bromophenyl-phenylether	0.188	0.208	-10.6	193	-0.05	9.59
75	t	Hexachlorobenzene	0.227	0.249	-9.7	194	-0.04	9.68
76	t	Pentachlorophenol	0.122	0.137	-12.3	186	-0.04	10.01
77	t	Phenanthrene	1.072	1.116	-4.1	186	-0.05	10.27
78	t	Anthracene	1.073	1.120	-4.4	182	-0.05	10.35
79	t	Carbazole	1.053	1.051	0.2	157	-0.04	10.64
80	t	Di-n-butylphthalate	1.259	1.325	-5.2	181	-0.06	11.28
81	t	Fluoranthene	1.131	1.203	-6.4	184	-0.04	12.12
82	t	Octadecane	0.501	0.476	5.0	153	-0.05	10.24
83	I	Chrysene-d12	1.000	1.000	0.0	202	0.01	14.41
84	t	Pyrene	1.174	1.180	-0.5	186	-0.05	12.47
85		Butyl stearate	0.284	0.301	-6.0	179	-0.06	13.84
86	S	Terphenyl-d14	0.777	0.808	-4.0	197	-0.05	12.80
87	t	Butylbenzylphthalate	0.558	0.566	-1.4	181	-0.06	13.64
88	t	Benzo[a]anthracene	1.064	1.092	-2.6	192	-0.05	14.40
89	t	3,3'-Dichlorobenzidine	0.361	0.412	-14.1	196	-0.05	14.42
90	t	Chrysene	0.979	1.002	-2.3	190	-0.04	14.46
91	t	bis(2-Ethylhexyl)phthalat	0.756	0.791	-4.6	183	-0.05	14.63
92	I	Perylene-d12	1.000	1.000	0.0	173	0.00	16.53
93	t	Di-n-octylphthalate	1.428	1.657	-16.0	179	-0.05	15.62
94	t	Benzo[b]fluoranthene	1.195	1.415	-18.4	190	-0.03	16.02
95	t	Benzo[k]fluoranthene	1.101	1.260	-14.4	190	-0.03	16.06
96	t	Benzo[a]pyrene	1.027	1.145	-11.5	179	-0.04	16.46
97	t	Indeno[1,2,3-cd]pyrene	1.059	1.353	-27.8#	199	-0.03	17.85

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P323-CC277
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7630.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

98	t	Dibenz(a,h)acridine	0.936	1.083	-15.7	169	-0.03	17.61
99	t	Dibenz[a,h]anthracene	1.015	1.273	-25.4#	201	-0.03	17.87
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	46.775	6.5	158	-0.04	16.01
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.013	1.178	-16.3	191	-0.03	18.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p7631.D M6P277.M Tue Jun 03 12:02:06 2014 RPT1

8.7.26

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** E6P323-CC276
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 6P7631.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\e6p323\6p7631.D Vial: 3
Acq On : 2 Jun 2014 10:07 am Operator: ashleyv
Sample : cc276-50 Inst : MS6P
Misc : op74494,e6p323 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M6P277.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Tue Jun 03 12:00:33 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	228#	0.00	5.05
103	Benzaldehyde	1.430	0.949	33.6#	161	0.00	4.66
104	Phenanthrene-d10a	1.000	1.000	0.0	222#	0.00	10.23
105	Atrazine	0.115	0.112	2.6	224#	0.00	9.93
106	Chrysene-d12a	1.000	1.000	0.0	231#	0.00	14.40
107	Benzidine	0.612	0.326	46.7#	116	0.00	12.40
108	Acenaphthene-d10a	1.000	1.000	0.0	234#	0.00	8.11
109	1,2,4,5-Tetrachlorobenzen	0.536	0.512	4.5	243#	0.00	7.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p7631.D M6P277.M Tue Jun 03 12:02:10 2014 RPT1

8.7.27

8

Initial Calibration Summary

Job Number: JB67744 **Sample:** EM4271-ICC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104367.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 09:22:04 2014
Response via : Initial Calibration

Calibration Files
2 =m104371.D 5 =m104370.D 100 =m104364.D 50 =m104367.D
1 =m104365.D 10 =m104369.D 80 =m104366.D 25 =m104368.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.806	0.756	0.691	0.641	0.670	0.745	0.710	0.648	0.709	8.09
3) Pyridine	1.870	1.974	1.807	1.673	1.470	1.950	1.860	1.720	1.790	9.26
4) N-Nitrosodim	0.697	0.697	0.595	0.623	0.613	0.626	0.618	0.627	0.637	6.01
5) 2-Fluorophen	1.435	1.485	1.376	1.438	1.359	1.407	1.407	1.463	1.421	2.98
6) Indene	3.087	3.192	2.543	2.460	2.165	2.963	2.695	2.572	2.710	12.82
7) Cumene	4.507	4.484	3.725	3.634	3.330	4.287	3.909	3.765	3.955	10.81
8) Phenol-d5	1.954	1.913	1.539	1.727	1.711	1.820	1.624	1.824	1.764	8.00
9) Phenol	2.217	2.266	1.845	2.020	1.876	2.184	1.938	2.155	2.063	7.95
10) Aniline	2.567	2.636	1.765	2.328	2.229	2.359	1.847	2.496	2.278	14.06
11) bis(2-Chloro	1.564	1.551	1.298	1.343	1.385	1.432	1.340	1.405	1.415	6.90
12) 2-Chlorophen	1.635	1.640	1.397	1.475	1.409	1.554	1.457	1.525	1.512	6.21
13) Decane	1.550	1.553	1.112	1.160	1.178	1.431	1.206	1.239	1.304	13.80
14) 1,3-Dichloro	1.721	1.716	1.460	1.575	1.407	1.616	1.531	1.655	1.585	7.23
15) 1,4-Dichloro	1.711	1.733	1.464	1.593	1.542	1.667	1.536	1.653	1.612	5.84
16) Benzyl alcoh	1.063	1.040	0.875	0.973	0.968	1.024	0.923	1.028	0.987	6.50
17) 1,2-Dichloro	1.669	1.649	1.345	1.484	1.451	1.582	1.400	1.522	1.513	7.63
18) Acetophenone	2.506	2.490	2.066	2.020	1.907	2.434	2.164	2.102	2.211	10.51
19) 2-Methylphen	1.508	1.537	1.194	1.299	1.355	1.449	1.255	1.369	1.371	8.83
20) 2,2'-oxybis(	0.539	0.519	0.383	0.420	0.443	0.466	0.411	0.440	0.453	11.78
21) 3&4-Methylph	1.512	1.483	1.334	1.431	1.208	1.528	1.394	1.480	1.421	7.56
22) n-Nitroso-di	1.174	1.187	0.846	0.997	1.032	1.108	0.919	1.076	1.042	11.44
23) Hexachloroet	0.590	0.625	0.514	0.557	0.483	0.573	0.539	0.575	0.557	7.99
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.435	0.457	0.392	0.426	0.424	0.447	0.415	0.435	0.429	4.63
26) Nitrobenzene	0.494	0.497	0.415	0.460	0.406	0.477	0.440	0.465	0.457	7.43
27) Quinoline	0.917	0.950	0.833	0.784	0.701	0.903	0.867	0.776	0.841	9.96
28) Isophorone	0.831	0.848	0.703	0.781	0.693	0.802	0.739	0.800	0.775	7.39
29) 2-Nitropheno	0.226	0.221	0.194	0.210	0.181	0.214	0.203	0.214	0.208	7.08
30) 2,4-Dimethyl	0.345	0.385	0.368	0.404	0.287	0.372	0.383	0.410	0.369	10.58
31) Benzoic acid	0.246	0.267	0.291	0.320	0.211	0.297	0.293	0.313	0.280	13.06
32) bis(2-Chloro	0.474	0.489	0.406	0.443	0.416	0.468	0.426	0.445	0.446	6.59
33) 2,4-Dichloro	0.307	0.320	0.289	0.312	0.281	0.322	0.303	0.317	0.306	4.81
34) 2,6-Dichloro	0.325	0.328	0.280	0.305	0.268	0.312	0.290	0.312	0.303	7.02
35) 1,3,5-Trichl	0.447	0.460	0.358	0.358	0.338	0.426	0.381	0.375	0.393	11.55
36) 1,2,4-Trichl	0.374	0.378	0.313	0.343	0.326	0.352	0.329	0.346	0.345	6.61
37) 1,2,3-Trichl	0.421	0.420	0.347	0.346	0.310	0.402	0.368	0.344	0.370	10.94
38) Naphthalene	1.226	1.235	1.050	1.127	1.059	1.186	1.096	1.151	1.141	6.23
39) 4-Chloroanil	0.517	0.522	0.420	0.498	0.430	0.496	0.447	0.502	0.479	8.44
40) 2,3-Dichloro	0.481	0.471	0.402	0.386	0.332	0.448	0.417	0.401	0.417	11.69
41) Caprolactam	0.188	0.188	0.171	0.159	0.147	0.183	0.176	0.162	0.172	8.64
42) Hexachlorobu	0.206	0.198	0.174	0.194	0.171	0.197	0.183	0.198	0.190	6.63
43) 4-Chloro-3-m	0.364	0.379	0.337	0.363	0.310	0.372	0.352	0.367	0.355	6.28
44) 2-Methylnaph	0.654	0.676	0.569	0.632	0.567	0.662	0.601	0.641	0.625	6.68
45) 1-Methylnaph	0.886	0.887	0.734	0.725	0.623	0.837	0.785	0.739	0.777	11.66

8.7.28
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Initial Calibration Summary

Job Number: JB67744 **Sample:** EM4271-ICC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104367.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.788	0.815	0.683	0.659	0.598	0.776	0.716	0.681	0.715	10.33
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.272	0.326	0.361	0.351	0.216	0.335	0.367	0.343	0.321	16.07
49)	2,4,6-Trichl	0.399	0.430	0.367	0.392	0.346	0.410	0.377	0.395	0.390	6.67
50)	2,4,5-Trichl	0.458	0.454	0.410	0.413	0.375	0.428	0.421	0.417	0.422	6.22
51)	2-Fluorobiph	1.408	1.439	1.235	1.296	1.238	1.355	1.260	1.334	1.321	5.81
52)	2-Chloronaph	1.291	1.347	1.092	1.175	1.067	1.251	1.128	1.217	1.196	8.22
53)	Biphenyl	1.863	1.895	1.598	1.534	1.424	1.839	1.662	1.566	1.673	10.39
54)	2-Nitroanili	0.403	0.406	0.366	0.389	0.364	0.395	0.377	0.392	0.387	4.13
55)	Dimethylphth	1.396	1.425	1.237	1.278	1.211	1.344	1.264	1.304	1.307	5.78
56)	Acenaphthyle	2.048	2.084	1.802	1.905	1.683	2.014	1.860	1.941	1.917	7.01
57)	2,6-Dinitrot	0.288	0.336	0.298	0.317	0.268	0.324	0.306	0.318	0.307	7.05
58)	3-Nitroanili	0.342	0.374	0.335	0.361	0.321	0.356	0.350	0.367	0.351	4.97
59)	Acenaphthene	1.253	1.278	1.088	1.148	1.010	1.238	1.122	1.171	1.164	7.81
60)	2,4-Dinitrop		0.131	0.212	0.198		0.162	0.216	0.186	0.184	17.73
61)	4-Nitropheno	0.208	0.199	0.189	0.200	0.162	0.201	0.197	0.199	0.194	7.19
62)	Dibenzofuran	1.822	1.840	1.512	1.653	1.583	1.730	1.568	1.732	1.680	7.18
63)	2,4-Dinitrot	0.420	0.447	0.408	0.431	0.363	0.425	0.417	0.435	0.418	6.04
64)	2,3,4,6-Tetr	0.315	0.350	0.329	0.340	0.286	0.339	0.340	0.341	0.330	6.28
65)	Diethylphtha	1.363	1.409	1.208	1.274	1.182	1.324	1.241	1.294	1.287	5.99
66)	Fluorene	1.448	1.457	1.265	1.352	1.263	1.430	1.307	1.383	1.363	5.80
67)	4-Chlorophen	0.706	0.731	0.599	0.632	0.592	0.691	0.624	0.647	0.653	7.83
68)	4-Nitroanili	0.342	0.355	0.338	0.360	0.292	0.352	0.343	0.353	0.342	6.27
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-	0.105	0.125	0.171	0.163		0.144	0.171	0.158	0.148	17.12
71)	n-Nitrosodip	0.548	0.572	0.533	0.543	0.502	0.569	0.540	0.558	0.546	4.12
72)	1,2-Diphenyl	0.916	0.955	0.832	0.894	0.803	0.923	0.866	0.919	0.888	5.77
73)	2,4,6-Tribro	0.099	0.099	0.095	0.103	0.091	0.099	0.099	0.100	0.098	3.64
74)	4-Bromopheny	0.220	0.222	0.204	0.211	0.176	0.221	0.210	0.213	0.210	7.12
75)	Hexachlorobe	0.229	0.234	0.207	0.218	0.194	0.225	0.215	0.222	0.218	5.90
76)	Pentachlorop	0.113	0.129	0.144	0.143	0.097	0.134	0.145	0.136	0.130	13.05
77)	Phenanthrene	1.225	1.252	1.114	1.151	1.094	1.195	1.142	1.182	1.169	4.64
78)	Anthracene	1.221	1.259	1.142	1.205	1.100	1.215	1.176	1.231	1.194	4.34
79)	Carbazole	1.301	1.335	1.224	1.124	1.005	1.299	1.250	1.137	1.210	9.29
80)	Di-n-butylph	1.279	1.341	1.260	1.287	1.114	1.329	1.306	1.311	1.278	5.60
81)	Fluoranthene	1.359	1.357	1.249	1.292	1.217	1.318	1.289	1.320	1.300	3.81
82)	Octadecane	0.561	0.570	0.451	0.459	0.440	0.530	0.483	0.474	0.496	10.24
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.417	1.438	1.323	1.370	1.297	1.385	1.347	1.405	1.373	3.50
85)	Butyl steara	0.322	0.322	0.294	0.341	0.272	0.331	0.309	0.348	0.317	7.85
86)	Terphenyl-d1	0.868	0.866	0.828	0.868	0.782	0.850	0.843	0.869	0.847	3.56
87)	Butylbenzylp	0.558	0.586	0.566	0.590	0.509	0.583	0.579	0.595	0.571	4.88
88)	Benzo[a]anth	1.290	1.255	1.174	1.224	1.263	1.220	1.202	1.235	1.233	2.97
89)	3,3'-Dichlor	0.436	0.457	0.429	0.455	0.389	0.439	0.442	0.459	0.438	5.20
90)	Chrysene	1.196	1.205	1.102	1.145	1.058	1.139	1.123	1.150	1.140	4.20
91)	bis(2-Ethylh	0.787	0.839	0.801	0.831	0.756	0.816	0.817	0.826	0.809	3.34
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph	1.549	1.624	1.572	1.556	1.418	1.607	1.624	1.544	1.562	4.26
94)	Benzo[b]fluo	1.368	1.451	1.358	1.336	1.267	1.407	1.426	1.342	1.369	4.27
95)	Benzo[k]fluo	1.418	1.374	1.212	1.244	1.229	1.328	1.243	1.267	1.289	5.82
96)	Benzo[a]pyre	1.263	1.257	1.147	1.193	1.202	1.239	1.201	1.198	1.212	3.16
97)	Indeno[1,2,3	1.237	1.246	1.127	1.170	1.162	1.198	1.176	1.158	1.184	3.44
98)	Dibenz(a,h)a	1.171	1.185	1.061	1.003	0.877	1.165	1.119	0.999	1.073	10.06
99)	Dibenz[a,h]a	1.149	1.141	1.043	1.120	1.162	1.165	1.093	1.119	1.124	3.62
100)	7,12-Dimethy	0.385	0.479	0.712	0.644		0.536	0.731	0.644	0.590	21.64
	----- Quadratic regression -----									Coefficient =	0.9983

8.7.28

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Initial Calibration Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4271-ICC4271
Lab FileID: M104367.D

```
                Response Ratio = -0.02342 + 0.65389 *A + 0.03094 *A^2

101) Benzo[g,h,i] 1.260 1.269 1.071 1.153 1.225 1.245 1.120 1.154 1.187   6.14
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MM4271.M          Wed May 14 09:24:07 2014   MSM
```

8.7.28

8

Initial Calibration Summary

Job Number: JB67744 **Sample:** EM4272-ICC4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104375.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 12:36:03 2014
Response via : Initial Calibration

Calibration Files
2 =m104379.D 5 =m104378.D 100 =m104373.D 50 =m104375.D
1 =m104380.D 10 =m104377.D 80 =m104374.D 25 =m104376.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.207	1.175	1.105	1.160	1.145	1.202	1.135	1.197	1.166	3.10
104) I Acenaphthene-d10a	ISTD									
105) 1,2,4,5-Tetr	0.657	0.626	0.623	0.628	0.597	0.621	0.640	0.630	0.628	2.70
106) Atrazine	0.198	0.212	0.219	0.218	0.205	0.202	0.225	0.221	0.213	4.76
107) I Chrysene-d12a	ISTD									
108) Benzidine	0.681	0.821	0.687	0.860	0.626	0.861	0.792	0.896	0.778	12.89
109) 1-chloroocta	0.285	0.338	0.310	0.321	0.311	0.321	0.321	0.329	0.317	5.00
110) I Phenanthrene-d10a	ISTD									
111) o-terphenyl	0.588	0.629	0.595	0.599	0.598	0.612	0.600	0.624	0.606	2.41
112) I Naphthalene-d8a	ISTD									
113) hydroquinone	0.251	0.355	0.428	0.429	0.316	0.380	0.435	0.436	0.379	17.88

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

MM4271.M Wed May 14 12:42:29 2014 MSM

8.7.29

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104381.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104381.D Vial: 10
Acq On : 14 May 2014 12:29 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 13:34:07 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	4.58
9	t	Phenol	2.063	1.825	11.5	139	0.00	4.34
12	t	2-Chlorophenol	1.512	1.364	9.8	142	0.00	4.43
19	t	2-Methylphenol	1.371	1.268	7.5	150	0.00	4.79
21	t	3&4-Methylphenol	1.421	1.307	8.0	140	0.00	4.91
24	I	Naphthalene-d8	1.000	1.000	0.0	160	0.00	5.68
29	t	2-Nitrophenol	0.208	0.184	11.5	140	0.00	5.31
30	t	2,4-Dimethylphenol	0.369	0.359	2.7	142	0.00	5.36
31	t	Benzoic acid	0.280	0.263	6.1	131	0.00	5.50
33	t	2,4-Dichlorophenol	0.306	0.274	10.5	141	0.00	5.55
34	t	2,6-Dichlorophenol	0.303	0.273	9.9	143	0.00	5.77
43	t	4-Chloro-3-methylphenol	0.355	0.313	11.8	138	-0.01	6.32
47	I	Acenaphthene-d10	1.000	1.000	0.0	165	0.00	7.97
49	t	2,4,6-Trichlorophenol	0.390	0.331	15.1	139	0.00	6.87
50	t	2,4,5-Trichlorophenol	0.422	0.348	17.5	139	-0.01	6.92
60	t	2,4-Dinitrophenol	0.184	0.136	26.1	114	-0.01	8.11
61	t	4-Nitrophenol	0.194	0.156	19.6	129	-0.01	8.28
64	t	2,3,4,6-Tetrachlorophenol	0.330	0.279	15.5	135	0.00	8.55
69	I	Phenanthrene-d10	1.000	1.000	0.0	170	0.00	10.57
70	t	4,6-Dinitro-2-methylpheno	0.148	0.124	16.2	130	-0.01	9.03
76	t	Pentachlorophenol	0.130	0.114	12.3	136	0.00	10.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 13:40:19 2014 MSM

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104382.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104382.D Vial: 11
Acq On : 14 May 2014 12:57 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 13:34:07 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	135	0.00	4.58
3	t	Pyridine	1.790	1.407	21.4	113	0.01	2.45
4	t	N-Nitrosodimethylamine	0.637	0.596	6.4	129	0.01	2.41
11	t	bis(2-Chloroethyl)ether	1.415	1.329	6.1	133	0.00	4.38
14	t	1,3-Dichlorobenzene	1.585	1.399	11.7	119	0.00	4.54
15	t	1,4-Dichlorobenzene	1.612	1.423	11.7	120	0.00	4.59
16	t	Benzyl alcohol	0.987	0.870	11.9	120	0.00	4.69
17	t	1,2-Dichlorobenzene	1.513	1.351	10.7	123	0.00	4.71
20	t	2,2'-oxybis(1-Chloropropa	0.453	0.421	7.1	135	0.00	4.79
22	t	n-Nitroso-di-n-propylamin	1.042	0.984	5.6	133	0.00	4.89
23	t	Hexachloroethane	0.557	0.508	8.8	123	0.00	4.98
24	I	Naphthalene-d8	1.000	1.000	0.0	133	0.00	5.68
26	t	Nitrobenzene	0.457	0.409	10.5	118	0.00	5.04
28	t	Isophorone	0.775	0.684	11.7	116	0.00	5.24
32	t	bis(2-Chloroethoxy)methan	0.446	0.431	3.4	129	0.00	5.44
36	t	1,2,4-Trichlorobenzene	0.345	0.307	11.0	119	0.00	5.62
38	t	Naphthalene	1.141	1.031	9.6	121	0.00	5.70
42	t	Hexachlorobutadiene	0.190	0.174	8.4	119	0.00	5.84
44	t	2-Methylnaphthalene	0.625	0.539	13.8	113	0.00	6.49
47	I	Acenaphthene-d10	1.000	1.000	0.0	131	0.00	7.98
48	t	Hexachlorocyclopentadiene	0.321	0.264	17.8	98	0.00	6.70
52	t	2-Chloronaphthalene	1.196	1.060	11.4	118	0.00	7.14
54	t	2-Nitroaniline	0.387	0.336	13.2	113	0.00	7.30
55	t	Dimethylphthalate	1.307	1.168	10.6	120	0.00	7.60
56	t	Acenaphthylene	1.917	1.469	23.4	101	0.00	7.75
57	t	2,6-Dinitrotoluene	0.307	0.265	13.7	109	0.00	7.68
58	t	3-Nitroaniline	0.351	0.266	24.2	96	0.00	7.94
59	t	Acenaphthene	1.164	1.067	8.3	122	0.00	8.03
62	t	Dibenzofuran	1.680	1.465	12.8	116	0.00	8.31
63	t	2,4-Dinitrotoluene	0.418	0.351	16.0	107	0.00	8.33
65	t	Diethylphthalate	1.287	1.139	11.5	117	0.00	8.78
66	t	Fluorene	1.363	1.232	9.6	119	0.00	8.89
67	t	4-Chlorophenyl-phenylethe	0.653	0.599	8.3	124	0.00	8.92
68	t	4-Nitroaniline	0.342	0.292	14.6	106	0.00	8.96
69	I	Phenanthrene-d10	1.000	1.000	0.0	131	0.00	10.57
71	t	n-Nitrosodiphenylamine	0.546	0.511	6.4	123	0.00	9.14
72	t	1,2-Diphenylhydrazine	0.888	0.795	10.5	116	0.00	9.20
74	t	4-Bromophenyl-phenylether	0.210	0.196	6.7	122	0.00	9.79
75	t	Hexachlorobenzene	0.218	0.188	13.8	113	0.00	9.88

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104382.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.169	1.014	13.3	115	0.00	10.61
78	t	Anthracene	1.194	1.036	13.2	112	0.00	10.71
79	t	Carbazole	1.210	0.931	23.1	108	0.00	11.06
80	t	Di-n-butylphthalate	1.278	1.152	9.9	117	0.00	11.86
81	t	Fluoranthene	1.300	1.123	13.6	114	0.00	12.89
83	I	Chrysene-d12	1.000	1.000	0.0	117	0.00	15.72
84	t	Pyrene	1.373	1.317	4.1	112	0.00	13.32
87	t	Butylbenzylphthalate	0.571	0.564	1.2	112	0.00	14.79
88	t	Benzo[a]anthracene	1.233	1.127	8.6	108	0.00	15.70
90	t	Chrysene	1.140	1.124	1.4	115	0.00	15.77
91	t	bis(2-Ethylhexyl)phthalat	0.809	0.783	3.2	110	0.00	16.02
92	I	Perylene-d12	1.000	1.000	0.0	111	0.00	18.33
93	t	Di-n-octylphthalate	1.562	1.530	2.0	109	0.00	17.24
94	t	Benzo[b]fluoranthene	1.369	1.250	8.7	104	0.00	17.69
95	t	Benzo[k]fluoranthene	1.289	1.223	5.1	110	-0.01	17.74
96	t	Benzo[a]pyrene	1.212	1.151	5.0	107	0.00	18.23
97	t	Indeno[1,2,3-cd]pyrene	1.184	1.056	10.8	100	-0.01	20.00
99	t	Dibenz[a,h]anthracene	1.124	1.046	6.9	104	0.00	20.05
101	t	Benzo[g,h,i]perylene	1.187	1.119	5.7	108	-0.01	20.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 13:40:21 2014 MSM

8.7.31

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104382A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4272\m104382a.D          Vial: 11
  Acq On    : 14 May 2014  12:57 pm                    Operator: saumilp
  Sample    : ICV4272-50                               Inst    : Instrument #1
  Misc      : op73826,em4272                           Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Wed May 14 14:07:27 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	140	0.00	7.98
105 I	1,2,4,5-Tetrachlorobenzen	0.628	0.530	15.6	119	0.00	6.71

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     m104375.D  MM4271.M         Wed May 14 14:09:23 2014   MSM
```

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104383A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104383a.D Vial: 12
Acq On : 14 May 2014 1:26 pm Operator: saumilp
Sample : ICV4272-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 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.
102 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	180	0.00	4.58
103 t	Benzaldehyde	1.166	1.291	-10.7	200	0.00	4.25
104 I	Acenaphthene-d10a	1.000	1.000	0.0	181	0.00	7.98
106 t	Atrazine	0.213	0.206	3.3	171	0.03	10.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:21:14 2014 MSM

8.7.33

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104383.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104383.D Vial: 12
Acq On : 14 May 2014 1:26 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 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	174	0.00	4.58
2	t	1,4-Dioxane	0.709	0.581	18.1	157	0.01	2.11
6	t	Indene	2.710	2.608	3.8	184	0.00	4.78
7	t	Cumene	3.955	3.590	9.2	172	0.00	3.98
13	t	Decane	1.304	1.103	15.4	165	0.00	4.47
18	t	Acetophenone	2.211	2.098	5.1	180	0.00	4.89
24	I	Naphthalene-d8	1.000	1.000	0.0	172	0.00	5.68
27	t	Quinoline	0.841	0.782	7.0	172	0.00	6.06
40	t	2,3-Dichloroaniline	0.417	0.359	13.9	160	0.00	6.86
41	t	Caprolactam	0.172	0.151	12.2	164	-0.03	6.13
45	t	1-Methylnaphthalene	0.777	0.712	8.4	169	0.00	6.62
46	t	Dimethylnaphthalene	0.715	0.661	7.6	173	0.00	7.34
47	I	Acenaphthene-d10	1.000	1.000	0.0	169	0.00	7.98
53	t	Biphenyl	1.673	1.566	6.4	173	0.00	7.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	163	0.00	10.57
82	t	Octadecane	0.496	0.467	5.8	165	0.00	10.58
83	I	Chrysene-d12	1.000	1.000	0.0	150	-0.01	15.71
92	I	Perylene-d12	1.000	1.000	0.0	121	0.00	18.33

			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	24.971	50.1#	59	-0.02	17.69

			AvgRF	CCRF	% Dev			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:21:12 2014 MSM

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104384.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104384.D Vial: 13
Acq On : 14 May 2014 1:54 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 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	132	0.00	4.58
5	S	2-Fluorophenol	1.421	1.458	-2.6	133	0.00	3.61
8	S	Phenol-d5	1.764	1.739	1.4	133	0.00	4.32
24	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00	5.68
25	S	Nitrobenzene-d5	0.429	0.457	-6.5	137	0.00	5.01
47	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	7.97
51	S	2-Fluorobiphenyl	1.321	1.397	-5.8	128	0.00	6.98
69	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00	10.56
73	S	2,4,6-Tribromophenol	0.098	0.101	-3.1	114	0.00	9.31
83	I	Chrysene-d12	1.000	1.000	0.0	109	-0.02	15.71
86	S	Terphenyl-d14	0.847	0.917	-8.3	115	0.00	13.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:25:03 2014 MSM

8.7.35

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104385.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104385.D Vial: 14
Acq On : 14 May 2014 2:23 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 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	137	0.00	4.58
10	t	Aniline	2.278	2.435	-6.9	143	0.00	4.34
24	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00	5.68
39	t	4-Chloroaniline	0.479	0.486	-1.5	136	0.00	5.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 14:48:21 2014 MSM

8.7.36

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104386.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104386.D Vial: 15
Acq On : 14 May 2014 2:52 pm Operator: saumilp
Sample : ICV4272-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 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.
112 I	Naphthalene-d8a	1.000	1.000	0.0	116	0.00	5.68
113	hydroquinone	0.379	0.478	26.1	129	-0.01	6.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 16:14:38 2014 MSM

8.7.37

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104387.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4272\m104387.D Vial: 16
Acq On : 14 May 2014 3:20 pm Operator: saumilp
Sample : ICV4271-50 Inst : Instrument #1
Misc : op73826,em4272 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed May 14 14:13:07 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	197	0.00	15.72
89 t	3,3'-Dichlorobenzidine	0.438	0.416	5.0	180	0.00	15.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104367.D MM4271.M Wed May 14 16:14:40 2014 MSM

8.7.38

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EM4272-ICV4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104387A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4272\m104387a.D          Vial: 16
  Acq On    : 14 May 2014   3:20 pm                    Operator: saumilp
  Sample    : ICV4272-50                               Inst    : Instrument #1
  Misc      : op73826,em4272                           Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Wed May 14 14:13:07 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 I	Chrysene-d12a	1.000	1.000	0.0	201#	0.00	15.72
108 t	Benzidine	0.778	0.804	-3.3	187	0.00	13.24

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     m104367.D  MM4271.M         Wed May 14 16:14:42 2014   MSM
```

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EM4291-CC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104837.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4291\m104837.D Vial: 2
Acq On : 3 Jun 2014 8:52 am Operator: saumilp
Sample : CC4271-50 Inst : Instrument #1
Misc : op73826,em4291 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Tue Jun 03 11:08:58 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	79	0.00	4.43
2	t	1,4-Dioxane	0.709	0.550	22.4#	68	0.00	1.91
4	t	N-Nitrosodimethylamine	0.637	0.990	-55.4#	126	0.00	2.25
5	S	2-Fluorophenol	1.421	1.274	10.3	70	0.00	3.55
6	t	Indene	2.710	2.576	4.9	83	0.00	4.61
7	t	Cumene	3.955	3.839	2.9	84	0.00	3.82
8	S	Phenol-d5	1.764	1.660	5.9	76	0.00	4.28
9	t	Phenol	2.063	1.822	11.7	72	0.00	4.29
11	t	bis(2-Chloroethyl)ether	1.415	1.305	7.8	77	0.00	4.24
12	t	2-Chlorophenol	1.512	1.475	2.4	79	0.00	4.32
13	t	Decane	1.304	1.604	-23.0#	110	0.00	4.30
14	t	1,3-Dichlorobenzene	1.585	1.563	1.4	79	0.00	4.38
15	t	1,4-Dichlorobenzene	1.612	1.641	-1.8	82	0.00	4.44
16	t	Benzyl alcohol	0.987	0.034#	96.6#	3#	0.00	4.61
17	t	1,2-Dichlorobenzene	1.513	1.521	-0.5	81	0.00	4.55
18	t	Acetophenone	2.211	2.364	-6.9	93	0.00	4.74
19	t	2-Methylphenol	1.371	1.251	8.8	76	0.00	4.69
20	t	2,2'-oxybis(1-Chloropropa	0.453	0.458	-1.1	87	0.00	4.63
21	t	3&4-Methylphenol	1.421	1.262	11.2	70	0.00	4.82
22	t	n-Nitroso-di-n-propylamin	1.042	1.297	-24.5#	103	0.00	4.74
23	t	Hexachloroethane	0.557	0.649	-16.5	93	0.00	4.80
24	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00	5.48
25	S	Nitrobenzene-d5	0.429	0.526	-22.6#	101	0.00	4.86
26	t	Nitrobenzene	0.457	0.581	-27.1#	104	0.00	4.88
27	t	Quinoline	0.841	0.740	12.0	77	0.00	6.02
28	t	Isophorone	0.775	0.885	-14.2	93	0.00	5.08
29	t	2-Nitrophenol	0.208	0.217	-4.3	85	0.00	5.15
30	t	2,4-Dimethylphenol	0.369	0.415	-12.5	84	0.00	5.23
31	t	Benzoic acid	0.280	0.103	63.2#	26#	0.00	5.42
32	t	bis(2-Chloroethoxy)methan	0.446	0.443	0.7	82	0.00	5.26
33	t	2,4-Dichlorophenol	0.306	0.314	-2.6	83	0.00	5.42
34	t	2,6-Dichlorophenol	0.303	0.315	-4.0	85	0.00	5.60
35	t	1,3,5-Trichlorobenzene	0.393	0.394	-0.3	90	0.00	5.14
36	t	1,2,4-Trichlorobenzene	0.345	0.376	-9.0	90	0.00	5.43
37	t	1,2,3-Trichlorobenzene	0.370	0.375	-1.4	89	0.00	5.65
38	t	Naphthalene	1.141	1.139	0.2	83	0.00	5.50
39	t	4-Chloroaniline	0.479	0.007#	98.5#	1#	0.00	5.60
40	t	2,3-Dichloroaniline	0.417	0.094	77.5#	20#	0.00	6.66
41	t	Caprolactam	0.172	0.184	-7.0	95	0.00	6.05
42	t	Hexachlorobutadiene	0.190	0.240	-26.3#	102	0.00	5.63
43	t	4-Chloro-3-methylphenol	0.355	0.323	9.0	73	0.00	6.23

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EM4291-CC4271
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104837.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

44	t	2-Methylnaphthalene	0.625	0.660	-5.6	86	0.00	6.26
45	t	1-Methylnaphthalene	0.777	0.753	3.1	85	0.00	6.38
46	t	Dimethylnaphthalene	0.715	0.716	-0.1	89	0.00	7.09
47	I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00	7.70
48	t	Hexachlorocyclopentadiene	0.321	0.450	-40.2#	113	0.00	6.46
49	t	2,4,6-Trichlorophenol	0.390	0.398	-2.1	89	0.00	6.67
50	t	2,4,5-Trichlorophenol	0.422	0.396	6.2	84	0.00	6.79
51	S	2-Fluorobiphenyl	1.321	1.316	0.4	89	0.00	6.74
52	t	2-Chloronaphthalene	1.196	1.221	-2.1	91	0.00	6.89
53	t	Biphenyl	1.673	1.539	8.0	88	0.00	6.87
54	t	2-Nitroaniline	0.387	0.476	-23.0#	107	0.00	7.11
55	t	Dimethylphthalate	1.307	1.391	-6.4	95	0.00	7.36
56	t	Acenaphthylene	1.917	1.880	1.9	87	0.00	7.49
57	t	2,6-Dinitrotoluene	0.307	0.330	-7.5	91	0.00	7.45
58	t	3-Nitroaniline	0.351	0.003#	99.1#	1#	0.00	7.75
59	t	Acenaphthene	1.164	1.158	0.5	88	0.00	7.75
60	t	2,4-Dinitrophenol	0.184	0.208	-13.0	92	0.00	7.90
61	t	4-Nitrophenol	0.194	0.243	-25.3#	107	0.00	8.31
62	t	Dibenzofuran	1.680	1.697	-1.0	90	0.00	8.04
63	t	2,4-Dinitrotoluene	0.418	0.460	-10.0	94	0.00	8.10
64	t	2,3,4,6-Tetrachlorophenol	0.330	0.340	-3.0	88	0.00	8.31
65	t	Diethylphthalate	1.287	1.476	-14.7	102	0.00	8.51
66	t	Fluorene	1.363	1.372	-0.7	89	0.00	8.60
67	t	4-Chlorophenyl-phenylethe	0.653	0.691	-5.8	96	0.00	8.63
68	t	4-Nitroaniline	0.342	0.007#	98.0#	2#	0.00	8.79
69	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00	10.26
70	t	4,6-Dinitro-2-methylpheno	0.148	0.163	-10.1	92	0.00	8.78
71	t	n-Nitrosodiphenylamine	0.546	0.511	6.4	86	0.00	8.87
72	t	1,2-Diphenylhydrazine	0.888	1.038	-16.9	106	0.00	8.91
73	S	2,4,6-Tribromophenol	0.098	0.106	-8.2	94	0.00	9.04
74	t	4-Bromophenyl-phenylether	0.210	0.222	-5.7	97	0.00	9.48
75	t	Hexachlorobenzene	0.218	0.237	-8.7	100	0.00	9.57
76	t	Pentachlorophenol	0.130	0.104	20.0#	67	0.00	10.02
77	t	Phenanthrene	1.169	1.112	4.9	89	0.00	10.31
78	t	Anthracene	1.194	1.149	3.8	87	0.00	10.40
79	t	Carbazole	1.210	1.032	14.7	84	0.00	10.80
80	t	Di-n-butylphthalate	1.278	1.357	-6.2	97	0.00	11.55
81	t	Fluoranthene	1.300	1.187	8.7	84	0.00	12.57
82	t	Octadecane	0.496	0.514	-3.6	103	0.00	10.23
83	I	Chrysene-d12	1.000	1.000	0.0	85	0.00	15.39
84	t	Pyrene	1.373	1.341	2.3	83	0.00	12.99
85		Butyl stearate	0.317	0.366	-15.5	91	0.00	14.66
86	S	Terphenyl-d14	0.847	0.846	0.1	83	0.00	13.40
87	t	Butylbenzylphthalate	0.571	0.629	-10.2	90	0.00	14.46
88	t	Benzo[a]anthracene	1.233	1.209	1.9	84	0.00	15.37
89	t	3,3'-Dichlorobenzidine	0.438	0.098	77.6#	18#	0.00	15.43
90	t	Chrysene	1.140	1.118	1.9	83	0.00	15.44
91	t	bis(2-Ethylhexyl)phthalat	0.809	0.896	-10.8	91	0.00	15.65
92	I	Perylene-d12	1.000	1.000	0.0	81	0.00	17.99
93	t	Di-n-octylphthalate	1.562	1.767	-13.1	92	0.00	16.86
94	t	Benzo[b]fluoranthene	1.369	1.480	-8.1	90	0.00	17.36
95	t	Benzo[k]fluoranthene	1.289	1.293	-0.3	84	0.00	17.41
96	t	Benzo[a]pyrene	1.212	1.220	-0.7	83	0.00	17.90
97	t	Indeno[1,2,3-cd]pyrene	1.184	1.314	-11.0	91	0.00	19.64
98	t	Dibenz(a,h)acridine	1.073	1.024	4.6	83	0.00	19.32
99	t	Dibenz[a,h]anthracene	1.124	1.192	-6.0	86	0.00	19.67

8.7.40

8

Continuing Calibration Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4291-CC4271
Lab FileID: M104837.D

		True	Calc.	% Drift			
100 t	7,12-Dimethylbenz(a)anthr	50.000	51.295	-2.6	87	0.00	17.35

		AvgRF	CCRF	% Dev			
101 t	Benzo[g,h,i]perylene	1.187	1.200	-1.1	84	0.00	20.04

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

m104837.D MM4271.M Tue Jun 03 11:10:45 2014 MSM

8.7.40

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EM4291-CC4272
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M104838.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4291\m104838.D Vial: 3
Acq On : 3 Jun 2014 9:26 am Operator: saumilp
Sample : CC4272-50 Inst : Instrument #1
Misc : op73826,em4291 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4271.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Tue Jun 03 11:12:46 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	72	0.00	4.42
103	t	Benzaldehyde	1.166	0.955	18.1	60	0.00	4.11
104	I	Acenaphthene-d10a	1.000	1.000	0.0	85	0.00	7.70
105	I	1,2,4,5-Tetrachlorobenzen	0.628	0.621	1.1	84	0.00	6.47
106	t	Atrazine	0.213	0.169	20.7#	65	0.00	9.94
107	I	Chrysene-d12a	1.000	1.000	0.0	73	0.00	15.38
109	I	Naphthalene-d8a	1.000	1.000	0.0	75	0.00	5.48
110		hydroquinone	0.379	0.117	69.1#	21#	0.00	6.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m104838.D MM4271.M Tue Jun 03 11:13:49 2014 MSM

8.7.41

8

Initial Calibration Summary

Job Number: JB67744 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

Calibration Files
100 =z91851.D 80 =z91852.D 50 =z91853.D 25 =z91924.D
10 =z91855.D 5 =z91856.D 2 =z91857.D 1 =z91858.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.636	0.664	0.609	0.619	0.702	0.728	0.732	0.790	0.685	9.30
3) Pyridine	1.733	1.805	1.611	1.613	1.853	1.880	1.903	1.798	1.774	6.39
4) N-Nitrosodim	0.911	0.952	0.940	0.950	0.977	0.998	0.987	0.958	0.959	2.91
5) 2-Fluorophen	1.307	1.359	1.393	1.390	1.385	1.402	1.380	1.320	1.367	2.61
6) Indene	2.231	2.407	2.406	2.501	2.972	3.051	3.112	2.989	2.709	13.11
7) Cumene	3.451	3.657	3.428	3.476	4.077	4.196	4.210	4.155	3.831	9.39
8) Phenol-d5	1.615	1.685	1.736	1.727	1.740	1.798	1.759	1.712	1.722	3.14
9) Phenol	1.786	1.889	1.882	1.868	1.944	1.985	2.024	2.080	1.932	4.92
10) Aniline	1.721	1.804	1.989	2.185	2.097	2.310	2.404	2.286	2.099	11.69
11) bis(2-Chloro	1.246	1.300	1.299	1.330	1.365	1.443	1.406	1.445	1.354	5.38
12) 2-Chlorophen	1.417	1.477	1.507	1.530	1.579	1.624	1.562	1.627	1.540	4.71
13) Decane	1.480	1.627	1.630	1.656	1.975	2.061	2.121	2.105	1.832	14.12
14) 1,3-Dichloro	1.454	1.531	1.632	1.667	1.722	1.788	1.753	1.724	1.659	6.95
15) 1,4-Dichloro	1.481	1.545	1.666	1.675	1.728	1.822	1.817	1.862	1.699	8.00
16) Benzyl alcoh	0.894	0.937	0.956	0.948	0.935	0.935	0.968	0.850	0.928	4.13
17) 1,2-Dichloro	1.385	1.449	1.550	1.569	1.639	1.688	1.689	1.772	1.593	8.17
18) Acetophenone	1.930	2.043	1.950	2.013	2.384	2.477	2.521	2.396	2.214	11.39
19) 2-Methylphen	1.097	1.173	1.269	1.314	1.373	1.417	1.364	1.368	1.297	8.55
20) 2,2'-oxybis(	0.379	0.405	0.430	0.441	0.468	0.489	0.494	0.473	0.447	9.11
21) 3&4-Methylph	1.235	1.308	1.366	1.401	1.489	1.489	1.418	1.432	1.392	6.28
22) n-Nitroso-di	0.854	0.909	0.951	0.986	1.016	1.046	1.072	0.974	0.976	7.34
23) Hexachloroet	0.480	0.503	0.518	0.533	0.540	0.544	0.551	0.534	0.525	4.57
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.335	0.356	0.354	0.356	0.352	0.366	0.361	0.341	0.352	2.92
26) Nitrobenzene	0.353	0.376	0.385	0.396	0.393	0.414	0.401	0.398	0.390	4.77
27) Quinoline	0.774	0.826	0.729	0.741	0.831	0.856	0.864	0.788	0.801	6.36
28) Isophorone	0.592	0.635	0.661	0.671	0.654	0.674	0.649	0.612	0.644	4.49
29) 2-Nitropheno	0.181	0.194	0.195	0.196	0.185	0.181	0.173	0.155	0.182	7.58
30) 2,4-Dimethyl	0.321	0.340	0.331	0.327	0.296	0.285	0.229		0.304	12.62
31) Benzoic Acid	0.276	0.286	0.228	0.126	0.066	0.040			0.170	63.07
32) bis(2-Chloro	0.358	0.379	0.383	0.390	0.399	0.413	0.411	0.400	0.391	4.66
33) 2,4-Dichloro	0.265	0.284	0.288	0.288	0.288	0.285	0.275	0.260	0.279	4.02
34) 2,6-Dichloro	0.247	0.264	0.271	0.281	0.290	0.293	0.289	0.254	0.274	6.43
35) 1,3,5-Trichl	0.337	0.363	0.344	0.352	0.414	0.439	0.443	0.421	0.389	11.46
36) 1,2,4-Trichl	0.293	0.310	0.326	0.337	0.343	0.361	0.348	0.340	0.332	6.53
37) 1,2,3-Trichl	0.326	0.348	0.322	0.335	0.386	0.411	0.413	0.402	0.368	10.65
38) Naphthalene	0.947	1.012	1.058	1.104	1.138	1.201	1.204	1.261	1.116	9.55
39) 4-Chloroanil	0.369	0.391	0.434	0.467	0.461	0.478	0.479	0.441	0.440	9.22
40) 2,3-Dichloro	0.347	0.370	0.340	0.354	0.412	0.426	0.416	0.390	0.382	8.84
41) Caprolactam	0.200	0.210	0.179	0.177	0.190	0.189	0.189	0.153	0.186	9.08
42) Hexachlorobu	0.152	0.162	0.172	0.181	0.183	0.196	0.192	0.197	0.180	9.04
43) 4-Chloro-3-m	0.291	0.310	0.311	0.306	0.296	0.305	0.279	0.274	0.296	4.70
44) 2-Methylnaph	0.535	0.565	0.589	0.614	0.625	0.649	0.630	0.642	0.606	6.59
45) 1-Methylnaph	0.597	0.636	0.594	0.618	0.713	0.735	0.744	0.705	0.668	9.41

Initial Calibration Summary

Job Number: JB67744 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
46) Dimethylnaph 0.612 0.656 0.617 0.635 0.725 0.754 0.724 0.690 0.676   8.04

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.331 0.345 0.341 0.333 0.337 0.314 0.293 0.237 0.316  11.45
49) 2,4,6-Trichl 0.333 0.341 0.357 0.359 0.369 0.367 0.344 0.307 0.347   5.98
50) 2,4,5-Trichl 0.373 0.386 0.384 0.384 0.382 0.377 0.334 0.327 0.368   6.50
51) 2-Fluorobiph 1.104 1.156 1.216 1.267 1.329 1.353 1.342 1.377 1.268   7.91
52) 2-Chloronaph 1.025 1.072 1.158 1.204 1.240 1.285 1.264 1.270 1.190   8.13
53) Biphenyl     1.471 1.546 1.498 1.560 1.860 1.895 1.869 1.837 1.692  11.10
54) 2-Nitroanili 0.347 0.359 0.359 0.351 0.335 0.320 0.294 0.245 0.326  12.12
55) Dimethylphth 1.183 1.208 1.242 1.254 1.300 1.308 1.284 1.387 1.271   5.03
56) Acenaphthyle 1.715 1.765 1.887 1.925 1.979 2.009 1.917 1.758 1.869   5.88
57) 2,6-Dinitrot 0.287 0.294 0.294 0.287 0.269 0.249 0.225 0.179 0.260  15.77
58) 3-Nitroanili 0.352 0.360 0.365 0.351 0.330 0.334 0.300 0.241 0.329  12.49
59) Acenaphthene 1.030 1.069 1.136 1.162 1.223 1.289 1.245 1.308 1.183   8.55
60) 2,4-Dinitrop 0.188 0.193 0.166 0.135 0.101 0.074             0.143  33.77
          ----- Linear regression -----  Coefficient =  0.9963
            Response Ratio = -0.05513 + 0.19952 *A

61) 4-Nitropheno 0.163 0.167 0.159 0.149 0.137 0.118             0.149  12.43
62) Dibenzofuran 1.369 1.439 1.569 1.631 1.720 1.785 1.732 1.881 1.641  10.63
63) 2,4-Dinitrot 0.367 0.379 0.396 0.393 0.385 0.369 0.315 0.241 0.355  14.83
64) 2,3,4,6-Tetr 0.304 0.313 0.315 0.307 0.304 0.289 0.255       0.298   7.03
65) Diethylphtha 1.178 1.211 1.246 1.249 1.283 1.279 1.242 1.208 1.237   2.93
66) Fluorene     1.124 1.165 1.258 1.303 1.346 1.390 1.325 1.356 1.283   7.38
67) 4-Chlorophen 0.515 0.535 0.577 0.601 0.637 0.646 0.633 0.660 0.601   8.92
68) 4-Nitroanili 0.359 0.361 0.365 0.358 0.341 0.338 0.282 0.234 0.330  14.38

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro- 0.144 0.148 0.135 0.120 0.095                   0.128  16.92
71) n-Nitrosodip 0.470 0.492 0.516 0.527 0.522 0.540 0.519 0.468 0.507   5.30
72) 1,2-Diphenyl 0.718 0.761 0.817 0.832 0.810 0.826 0.808 0.732 0.788   5.68
73) 2,4,6-Tribro 0.104 0.106 0.112 0.110 0.099 0.098 0.084 0.069 0.098  14.59
74) 4-Bromopheny 0.187 0.195 0.204 0.207 0.208 0.213 0.203 0.226 0.205   5.63
75) Hexachlorobe 0.221 0.229 0.241 0.253 0.251 0.258 0.257 0.250 0.245   5.48
76) Pentachlorop 0.139 0.142 0.140 0.135 0.120 0.111 0.085       0.125  16.93
77) Phenanthrene 1.007 1.048 1.137 1.163 1.200 1.252 1.214 1.285 1.163   8.29
78) Anthracene   1.015 1.061 1.133 1.189 1.165 1.212 1.154 1.094 1.128   5.92
79) Carbazole    1.096 1.135 1.068 1.103 1.247 1.292 1.234 1.170 1.168   6.97
80) Di-n-butylph 1.157 1.211 1.254 1.231 1.187 1.154 1.035 0.950 1.147   9.07
81) Fluoranthene 1.066 1.103 1.164 1.188 1.170 1.200 1.101 1.070 1.133   4.75
82) Octadecane   0.496 0.534 0.543 0.563 0.618 0.612 0.560 0.468 0.549   9.44

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.160 1.207 1.251 1.270 1.238 1.272 1.206 1.153 1.220   3.79
85) Butyl steara 0.341 0.362 0.390 0.374 0.311 0.292 0.236       0.329  16.32
86) Terphenyl-d1 0.780 0.807 0.834 0.829 0.812 0.821 0.797 0.755 0.804   3.28
87) Butylbenzylp 0.549 0.566 0.548 0.518 0.456 0.430 0.376       0.492  14.61
88) Benzo[a]anth 1.067 1.097 1.128 1.129 1.090 1.113 1.092 1.086 1.100   1.95
89) 3,3'-Dichlor 0.377 0.394 0.414 0.409 0.373 0.352 0.321 0.252 0.362  14.90
90) Chrysene     1.029 1.065 1.094 1.113 1.096 1.140 1.098 1.102 1.092   3.03
91) bis(2-Ethylh 0.766 0.781 0.750 0.716 0.624 0.571 0.468       0.668  17.58

92) I   Perylene-d12          ----------------ISTD---------------------
93) Di-n-octylph       1.458 1.338 1.211 1.094 0.978 0.733       1.135  22.93
          ----- Quadratic regression -----               Coefficient =  1.0000
               Response Ratio = -0.02484 + 1.16072 *A + 0.15503 *A^2

94) Benzo[b]fluo 1.239 1.330 1.244 1.261 1.257 1.225 1.074 0.907 1.192  11.39
95) Benzo[k]fluo 1.124 1.141 1.235 1.245 1.287 1.325 1.205 1.288 1.231   5.80
```

Initial Calibration Summary

Job Number: JB67744 **Sample:** EZ4569-ICC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 96) Benzo[a]pyre 1.070 1.117 1.104 1.107 1.095 1.051 1.097 0.829 1.059   9.00
 97) Indeno[1,2,3 1.184 1.170 1.106 1.053 1.061 1.005 0.880 0.711 1.021  15.47
 98) Dibenz(a,h)a 1.110 1.150 0.989 0.956 1.058 1.020 0.898 0.774 0.995  12.14
 99) Dibenz[a,h]a 1.123 1.168 1.140 1.124 1.123 1.095 0.945 0.899 1.077   9.15
100) 7,12-Dimethy 0.619 0.647 0.569 0.553 0.404 0.282 0.175       0.464  39.02
101) Benzo[g,h,i] 1.098 1.123 1.087 1.089 1.102 1.102 0.993 0.919 1.064   6.61

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

           MZ4569.M          Fri May 30 11:23:37 2014   RTE
```

8.7.42

8

Initial Calibration Summary

Job Number: JB67744 **Sample:** EZ4571-ICC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91853.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri May 30 11:48:33 2014
Response via : Initial Calibration

Calibration Files
100 =z91851.D 80 =z91852.D 50 =z91853.D 25 =z91924.D
10 =z91855.D 5 =z91856.D 2 =z91857.D 1 =z91858.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	0.778	0.833	0.970	1.027	1.132	0.950	0.987	0.835	0.939	12.47
104) Phenanthrene-d10a	ISTD									
105) Atrazine	0.077	0.080	0.102	0.099	0.094	0.063	0.053		0.081	22.93
----- Quadratic regression ----- Coefficient = 0.9965										
Response Ratio = -0.00563 + 0.12373 *A + -0.01841 *A^2										
106) o-terphenyl	0.407	0.431	0.568	0.591	0.606	0.497	0.504	0.440	0.506	15.13
107) Chrysene-d12a	ISTD									
108) Benzidine	0.267	0.306	0.381	0.504	0.631	0.375			0.411	32.91
109) 1-chloroocta	0.258	0.272	0.344	0.333	0.313	0.215			0.289	17.16
110) Acenaphthene-d10a	ISTD									
111) 1,2,4,5-Tetr	0.370	0.390	0.520	0.536	0.567	0.479	0.511	0.490	0.483	14.33
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone	0.280	0.291	0.320	0.323	0.289				0.301	6.53

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

MZ4569eph.M Fri May 30 11:49:01 2014 RTE

8.7.43

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91860A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\ez4571\z91860a.D          Vial: 11
  Acq On    : 27 May 2014   3:17 pm                   Operator: ashleyv
  Sample    : ICV4571-50, bn1                         Inst    : MSZ
  Misc      : op73791,ez4571                          Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MS 15m x .25mm x .25um
  Last Update  : Fri May 30 15:12:27 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 : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110	Acenaphthene-d10a	1.000	1.000	0.0	116	0.00	7.19
111	1,2,4,5-Tetrachlorobenzen	0.483	0.536	-11.0	120	0.00	6.15

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     z91853.D   MZ4569.M         Fri May 30 16:13:24 2014   RTE
```

8.7.44

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91860.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91860.D Vial: 11
Acq On : 27 May 2014 3:17 pm Operator: ashleyv
Sample : ICV4569-50, bn1 Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	3.79
3	t	Pyridine	1.774	1.494	15.8	111	0.00	1.92
4	t	N-Nitrosodimethylamine	0.959	0.826	13.9	105	0.00	1.89
11	t	bis(2-Chloroethyl)ether	1.354	1.266	6.5	117	0.00	3.52
14	t	1,3-Dichlorobenzene	1.659	1.473	11.2	108	0.00	3.73
15	t	1,4-Dichlorobenzene	1.699	1.487	12.5	107	0.00	3.80
16	t	Benzyl alcohol	0.928	0.854	8.0	107	0.00	3.92
17	t	1,2-Dichlorobenzene	1.593	1.422	10.7	110	0.00	3.96
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.421	5.8	117	0.00	4.05
22	t	n-Nitroso-di-n-propylamin	0.976	0.904	7.4	114	0.00	4.18
23	t	Hexachloroethane	0.525	0.481	8.4	111	0.00	4.30
24	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00	5.13
26	t	Nitrobenzene	0.390	0.336	13.8	103	0.00	4.36
28	t	Isophorone	0.644	0.579	10.1	103	0.00	4.61
32	t	bis(2-Chloroethoxy)methan	0.391	0.380	2.8	117	0.00	4.86
36	t	1,2,4-Trichlorobenzene	0.332	0.298	10.2	108	0.00	5.07
38	t	Naphthalene	1.116	0.979	12.3	109	0.00	5.15
42	t	Hexachlorobutadiene	0.180	0.164	8.9	112	0.00	5.31
44	t	2-Methylnaphthalene	0.606	0.540	10.9	108	0.00	5.95
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	7.19
48	t	Hexachlorocyclopentadiene	0.316	0.280	11.4	96	0.00	6.15
52	t	2-Chloronaphthalene	1.190	1.055	11.3	106	0.00	6.52
54	t	2-Nitroaniline	0.326	0.303	7.1	98	0.00	6.66
55	t	Dimethylphthalate	1.271	1.159	8.8	108	0.00	6.90
56	t	Acenaphthylene	1.869	1.485	20.5	91	0.00	7.01
57	t	2,6-Dinitrotoluene	0.260	0.251	3.5	99	0.00	6.95
58	t	3-Nitroaniline	0.329	0.278	15.5	89	0.00	7.16
59	t	Acenaphthene	1.183	1.087	8.1	111	0.00	7.23
62	t	Dibenzofuran	1.641	1.451	11.6	107	0.00	7.43
63	t	2,4-Dinitrotoluene	0.355	0.313	11.8	92	0.00	7.43
65	t	Diethylphthalate	1.237	1.168	5.6	109	0.00	7.74
66	t	Fluorene	1.283	1.182	7.9	109	0.00	7.85
67	t	4-Chlorophenyl-phenylethe	0.601	0.555	7.7	112	0.00	7.86
68	t	4-Nitroaniline	0.330	0.300	9.1	95	0.00	7.89
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00	8.99
71	t	n-Nitrosodiphenylamine	0.507	0.491	3.2	107	0.00	8.01
72	t	1,2-Diphenylhydrazine	0.788	0.760	3.6	105	0.00	8.05
74	t	4-Bromophenyl-phenylether	0.205	0.199	2.9	110	0.00	8.44
75	t	Hexachlorobenzene	0.245	0.225	8.2	105	0.00	8.51
77	t	Phenanthrene	1.163	1.039	10.7	103	0.00	9.02
78	t	Anthracene	1.128	1.052	6.7	105	0.00	9.08
79	t	Carbazole	1.168	0.976	16.4	103	0.00	9.30

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91860.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

80	t	Di-n-butylphthalate	1.147	1.168	-1.8	105	0.00	9.81
81	t	Fluoranthene	1.133	1.072	5.4	104	0.00	10.61
83	I	Chrysene-d12	1.000	1.000	0.0	108	0.00	12.73
84	t	Pyrene	1.220	1.172	3.9	102	0.00	10.93
87	t	Butylbenzylphthalate	0.492	0.513	-4.3	102	0.00	11.96
88	t	Benzo[a]anthracene	1.100	1.023	7.0	98	0.00	12.71
90	t	Chrysene	1.092	1.056	3.3	105	0.00	12.77
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.715	-7.0	103	0.00	12.87
92	I	Perylene-d12	1.000	1.000	0.0	106	0.00	14.78
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	48.949	2.1	104	0.00	13.82
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.192	1.134	4.9	97	0.00	14.27
95	t	Benzo[k]fluoranthene	1.231	1.118	9.2	96	0.00	14.31
96	t	Benzo[a]pyrene	1.059	1.019	3.8	98	0.00	14.70
97	t	Indeno[1,2,3-cd]pyrene	1.021	0.992	2.8	95	0.00	16.27
99	t	Dibenz[a,h]anthracene	1.077	1.053	2.2	98	0.00	16.31
101	t	Benzo[g,h,i]perylene	1.064	1.045	1.8	102	0.01	16.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:40 2014 RTE

8.7.45

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91861A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91861a.D Vial: 12
Acq On : 27 May 2014 3:43 pm Operator: ashleyv
Sample : ICV4571-50, bn2 Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri May 30 11:35:20 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	107	0.00	3.79
103	Benzaldehyde	0.939	1.152	-22.7	126	0.00	3.38
104	Phenanthrene-d10a	1.000	1.000	0.0	106	0.00	8.99
		True	Calc.	% Drift			
105	Atrazine	50.000	52.349	-4.7	104	0.00	8.67

		AvgRF	CCRF	% Dev

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Fri May 30 11:54:43 2014 RTE

8.7.46

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91861.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91861.D Vial: 12
Acq On : 27 May 2014 3:43 pm Operator: ashleyv
Sample : ICV4569-50, bn2 Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	3.79
2		1,4-Dioxane	0.685	0.585	14.6	102	0.00	1.75
6	t	Indene	2.709	2.436	10.1	108	0.00	4.04
7	t	Cumene	3.831	3.307	13.7	103	0.00	3.08
13	t	Decane	1.832	1.463	20.1	96	0.00	3.62
18	t	Acetophenone	2.214	1.919	13.3	105	0.00	4.18
24	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	5.13
26	t	Nitrobenzene	0.390	0.379	2.8	104	-0.19	4.18
27	t	Quinoline	0.801	0.699	12.7	102	0.00	5.53
40	t	2,3-Dichloroaniline	0.382	0.290	24.1	91	0.00	6.29
41	t	Caprolactam	0.186	0.150	19.4	89	0.00	5.59
45	t	1-Methylnaphthalene	0.668	0.571	14.5	102	0.00	6.07
46	t	Dimethylnaphthalene	0.676	0.587	13.2	101	0.00	6.69
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	7.18
48	t	Hexachlorocyclopentadiene	0.316	0.360	13.9	112	0.00	6.15
53	t	Biphenyl	1.692	1.443	14.7	102	0.00	6.51
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	8.99
82	t	Octadecane	0.549	0.496	9.7	96	0.00	8.91
83	I	Chrysene-d12	1.000	1.000	0.0	103	-0.01	12.72
92	I	Perylene-d12	1.000	1.000	0.0	97	-0.01	14.77
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.495	-6.7	84	0.00	14.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:44 2014 RTE

8.7.47

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91862.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91862.D Vial: 13
Acq On : 27 May 2014 4:08 pm Operator: ashleyv
Sample : ICV4569-50, aniline Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	139	0.00	3.79
10	t	Aniline	2.099	2.277	-8.5	159	0.00	3.48
24	I	Naphthalene-d8	1.000	1.000	0.0	140	0.00	5.13
39	t	4-Chloroaniline	0.440	0.453	-3.0	146	0.00	5.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:48 2014 RTE

8.7.48

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91863.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91863.D Vial: 14
Acq On : 27 May 2014 4:34 pm Operator: ashleyv
Sample : ICV4569-50, benzidine Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	194	0.00	12.73
108	Benzidine	0.411	0.712	-73.2#	362#	0.00	10.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:50 2014 RTE

8.7.49

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91863A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91863a.D Vial: 14
Acq On : 27 May 2014 4:34 pm Operator: ashleyv
Sample : ICV4569-50, benzidine Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	194	0.00	12.73
89 t	3,3'-Dichlorobenzidine	0.362	0.359	0.8	168	0.00	12.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:52 2014 RTE

8.7.50

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91864.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91864.D Vial: 15
Acq On : 27 May 2014 4:59 pm Operator: ashleyv
Sample : ICV4569-50, surr Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	3.79
5	S	2-Fluorophenol	1.367	1.217	11.0	111	0.00	2.68
8	S	Phenol-d5	1.722	1.479	14.1	108	0.00	3.43
24	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00	5.13
25	S	Nitrobenzene-d5	0.352	0.315	10.5	111	0.00	4.34
47	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00	7.19
51	S	2-Fluorobiphenyl	1.268	1.152	9.1	115	0.00	6.39
69	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.00	8.99
73	S	2,4,6-Tribromophenol	0.098	0.084	14.3	88	0.00	8.13
83	I	Chrysene-d12	1.000	1.000	0.0	111	-0.01	12.72
86	S	Terphenyl-d14	0.804	0.804	0.0	107	0.00	11.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:54 2014 RTE

8.7.51

8

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91865.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91865.D Vial: 16
Acq On : 27 May 2014 5:25 pm Operator: ashleyv
Sample : ICV4569-50, hq Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	112	0.00	5.13
113	Hydroquinone	0.301	0.372	-23.6	131	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:56 2014 RTE

Initial Calibration Verification

Job Number: JB67744 **Sample:** EZ4572-ICV4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91868.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4572\z91868.D Vial: 2
Acq On : 27 May 2014 9:04 pm Operator: ashleyd
Sample : icv4569-50 Inst : MSZ
Misc : op73791,ez4572 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	3.78
9	t	Phenol	1.932	1.725	10.7	76	0.00	3.44
12	t	2-Chlorophenol	1.540	1.417	8.0	78	0.00	3.59
19	t	2-Methylphenol	1.297	1.236	4.7	81	-0.01	4.03
21	t	3&4-Methylphenol	1.392	1.304	6.3	79	0.00	4.19
24	I	Naphthalene-d8	1.000	1.000	0.0	82	-0.01	5.12
29	t	2-Nitrophenol	0.182	0.179	1.6	75	0.00	4.70
30	t	2,4-Dimethylphenol	0.304	0.336	-10.5	83	-0.01	4.76
31		Benzoic Acid	0.170	0.155	8.8	56	0.04	4.89
33	t	2,4-Dichlorophenol	0.279	0.275	1.4	78	-0.01	4.97
34		2,6-Dichlorophenol	0.274	0.270	1.5	81	0.00	5.23
43	t	4-Chloro-3-methylphenol	0.296	0.286	3.4	75	-0.01	5.80
47	I	Acenaphthene-d10	1.000	1.000	0.0	82	-0.01	7.18
49	t	2,4,6-Trichlorophenol	0.347	0.352	-1.4	81	-0.01	6.29
50	t	2,4,5-Trichlorophenol	0.368	0.374	-1.6	80	-0.01	6.33
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	89.06	10.9	66	-0.01	7.27
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.157	-5.4	81	-0.01	7.39
64		2,3,4,6-Tetrachlorophenol	0.298	0.298	0.0	77	-0.01	7.59
69	I	Phenanthrene-d10	1.000	1.000	0.0	83	-0.01	8.98
70	t	4,6-Dinitro-2-methylpheno	0.128	0.120	6.3	74	0.00	7.92
76	t	Pentachlorophenol	0.125	0.136	-8.8	80	-0.01	8.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 13:04:18 2014 RTE

8.7.53

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EZ4575-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91924.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4575\z91924.D Vial: 2
Acq On : 28 May 2014 9:53 pm Operator: ashleyd
Sample : cc4569-25 Inst : MSZ
Misc : op73791,ez4575 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 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 : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	-0.02	3.76
2		1,4-Dioxane	0.685	0.572	16.5	97	-0.02	1.73
3	t	Pyridine	1.774	1.515	14.6	99	-0.02	1.90
4	t	N-Nitrosodimethylamine	0.959	0.872	9.1	97	-0.02	1.87
5	S	2-Fluorophenol	1.367	1.380	-1.0	105	-0.02	2.66
6	t	Indene	2.709	2.474	8.7	104	-0.03	4.02
7	t	Cumene	3.831	3.448	10.0	105	-0.03	3.05
8	S	Phenol-d5	1.722	1.737	-0.9	106	-0.02	3.42
9	t	Phenol	1.932	1.897	1.8	107	-0.02	3.43
10	t	Aniline	2.099	2.058	2.0	99	-0.02	3.45
11	t	bis(2-Chloroethyl)ether	1.354	1.289	4.8	102	-0.03	3.50
12	t	2-Chlorophenol	1.540	1.514	1.7	104	-0.03	3.57
13	t	Decane	1.832	1.540	15.9	98	-0.02	3.60
14	t	1,3-Dichlorobenzene	1.659	1.639	1.2	104	-0.02	3.71
15	t	1,4-Dichlorobenzene	1.699	1.684	0.9	106	-0.02	3.78
16	t	Benzyl alcohol	0.928	1.003	-8.1	112	-0.03	3.89
17	t	1,2-Dichlorobenzene	1.593	1.564	1.8	105	-0.03	3.93
18	t	Acetophenone	2.214	2.076	6.2	109	-0.03	4.16
19	t	2-Methylphenol	1.297	1.280	1.3	103	-0.02	4.02
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.445	0.4	106	-0.03	4.03
21	t	3&4-Methylphenol	1.392	1.433	-2.9	108	-0.02	4.17
22	t	n-Nitroso-di-n-propylamin	0.976	0.991	-1.5	106	-0.02	4.16
23	t	Hexachloroethane	0.525	0.540	-2.9	107	-0.03	4.27
24	I	Naphthalene-d8	1.000	1.000	0.0	108	-0.03	5.11
25	S	Nitrobenzene-d5	0.352	0.357	-1.4	108	-0.03	4.32
26	t	Nitrobenzene	0.390	0.384	1.5	105	-0.03	4.34
27	t	Quinoline	0.801	0.750	6.4	109	-0.02	5.51
28	t	Isophorone	0.644	0.666	-3.4	107	-0.02	4.59
29	t	2-Nitrophenol	0.182	0.205	-12.6	113	-0.03	4.68
30	t	2,4-Dimethylphenol	0.304	0.335	-10.2	110	-0.03	4.74
31		Benzoic Acid	0.170	0.265	-55.9#	226#	0.02	4.86
32	t	bis(2-Chloroethoxy)methan	0.391	0.376	3.8	104	-0.03	4.84
33	t	2,4-Dichlorophenol	0.279	0.298	-6.8	112	-0.03	4.96
34		2,6-Dichlorophenol	0.274	0.290	-5.8	111	-0.03	5.21
35	t	1,3,5-Trichlorobenzene	0.389	0.351	9.8	108	-0.03	4.69
36	t	1,2,4-Trichlorobenzene	0.332	0.337	-1.5	108	-0.03	5.04
37	t	1,2,3-Trichlorobenzene	0.368	0.331	10.1	106	-0.03	5.30
38	t	Naphthalene	1.116	1.084	2.9	106	-0.03	5.13
39	t	4-Chloroaniline	0.440	0.465	-5.7	107	-0.02	5.20
40	t	2,3-Dichloroaniline	0.382	0.363	5.0	110	-0.03	6.27
41	t	Caprolactam	0.186	0.175	5.9	107	0.00	5.59

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EZ4575-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91924.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.186	-3.3	111	-0.03	5.28
43	t	4-Chloro-3-methylphenol	0.296	0.326	-10.1	115	-0.02	5.79
44	t	2-Methylnaphthalene	0.606	0.613	-1.2	108	-0.03	5.93
45	t	1-Methylnaphthalene	0.668	0.615	7.9	107	-0.03	6.04
46	t	Dimethylnaphthalene	0.676	0.649	4.0	110	-0.03	6.67
47	I	Acenaphthene-d10	1.000	1.000	0.0	110	-0.03	7.16
48	t	Hexachlorocyclopentadiene	0.316	0.346	-9.5	114	-0.03	6.13
49	t	2,4,6-Trichlorophenol	0.347	0.377	-8.6	115	-0.03	6.28
50	t	2,4,5-Trichlorophenol	0.368	0.404	-9.8	115	-0.02	6.32
51	S	2-Fluorobiphenyl	1.268	1.265	0.2	110	-0.03	6.37
52	t	2-Chloronaphthalene	1.190	1.194	-0.3	109	-0.03	6.50
53	t	Biphenyl	1.692	1.537	9.2	108	-0.03	6.48
54	t	2-Nitroaniline	0.326	0.369	-13.2	115	-0.02	6.64
55	t	Dimethylphthalate	1.271	1.282	-0.9	112	-0.02	6.87
56	t	Acenaphthylene	1.869	1.930	-3.3	110	-0.03	6.99
57	t	2,6-Dinitrotoluene	0.260	0.309	-18.8	118	-0.03	6.93
58	t	3-Nitroaniline	0.329	0.366	-11.2	114	-0.03	7.13
59	t	Acenaphthene	1.183	1.171	1.0	110	-0.03	7.20
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	55.501	-11.0	144	-0.03	7.25
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.178	-19.5	131	-0.02	7.38
62	t	Dibenzofuran	1.641	1.652	-0.7	111	-0.03	7.41
63	t	2,4-Dinitrotoluene	0.355	0.421	-18.6	118	-0.02	7.41
64		2,3,4,6-Tetrachlorophenol	0.298	0.335	-12.4	119	-0.03	7.57
65	t	Diethylphthalate	1.237	1.305	-5.5	115	-0.02	7.72
66	t	Fluorene	1.283	1.313	-2.3	111	-0.03	7.82
67	t	4-Chlorophenyl-phenylethe	0.601	0.619	-3.0	113	-0.03	7.84
68	t	4-Nitroaniline	0.330	0.370	-12.1	113	-0.02	7.87
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	-0.03	8.96
70	t	4,6-Dinitro-2-methylpheno	0.128	0.148	-15.6	136	-0.02	7.90
71	t	n-Nitrosodiphenylamine	0.507	0.537	-5.9	113	-0.03	7.98
72	t	1,2-Diphenylhydrazine	0.788	0.818	-3.8	109	-0.03	8.02
73	S	2,4,6-Tribromophenol	0.098	0.121	-23.5#	122	-0.03	8.11
74	t	4-Bromophenyl-phenylether	0.205	0.217	-5.9	116	-0.03	8.42
75	t	Hexachlorobenzene	0.245	0.258	-5.3	113	-0.02	8.49
76	t	Pentachlorophenol	0.125	0.148	-18.4	121	-0.02	8.75
77	t	Phenanthrene	1.163	1.173	-0.9	112	-0.02	8.99
78	t	Anthracene	1.128	1.199	-6.3	112	-0.02	9.06
79	t	Carbazole	1.168	1.119	4.2	112	-0.03	9.28
80	t	Di-n-butylphthalate	1.147	1.347	-17.4	121	-0.03	9.78
81	t	Fluoranthene	1.133	1.232	-8.7	115	-0.03	10.59
82	t	Octadecane	0.549	0.535	2.6	105	-0.03	8.89
83	I	Chrysene-d12	1.000	1.000	0.0	112	-0.03	12.70
84	t	Pyrene	1.220	1.272	-4.3	112	-0.03	10.90
85		Butyl stearate	0.329	0.389	-18.2	116	-0.03	12.07
86	S	Terphenyl-d14	0.804	0.878	-9.2	118	-0.03	11.17
87	t	Butylbenzylphthalate	0.492	0.588	-19.5	127	-0.03	11.93
88	t	Benzo[a]anthracene	1.100	1.186	-7.8	117	-0.03	12.69
89	t	3,3'-Dichlorobenzidine	0.362	0.431	-19.1	118	-0.03	12.69
90	t	Chrysene	1.092	1.116	-2.2	112	-0.03	12.74
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.817	-22.3#	127	-0.03	12.84
92	I	Perylene-d12	1.000	1.000	0.0	111	-0.03	14.75

8.7.54

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EZ4575-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91924.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	30.603	-22.4#	139	-0.03	13.80

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.322	-10.9	116	-0.03	14.24
95	t	Benzo[k]fluoranthene	1.231	1.231	0.0	109	-0.03	14.28
96	t	Benzo[a]pyrene	1.059	1.155	-9.1	116	-0.03	14.67
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.182	-15.8	124	-0.03	16.23
98	t	Dibenz(a,h)acridine	0.995	1.040	-4.5	120	-0.04	15.90
99	t	Dibenz[a,h]anthracene	1.077	1.176	-9.2	116	-0.04	16.27
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.575	-23.9#	115	-0.02	14.25
101	t	Benzo[g,h,i]perylene	1.064	1.124	-5.6	114	-0.03	16.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91854.D MZ4569.M Thu May 29 09:42:25 2014 RTE

8.7.54

8

Continuing Calibration Summary

Job Number: JB67744 **Sample:** EZ4575-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91925A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4575\z91925a.D Vial: 3
Acq On : 28 May 2014 10:44 pm Operator: ashleyd
Sample : cc4571-25 Inst : MSZ
Misc : op73791,ez4575 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Fri May 30 15:12:27 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 : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	165	-0.03	3.76
103	Benzaldehyde	0.939	0.980	-4.4	157	-0.03	3.36
104	Phenanthrene-d10a	1.000	1.000	0.0	166	-0.02	8.96
	----------	True	Calc.	% Drift	----------		
105	Atrazine	25.000	32.140	-28.6#	185	-0.02	8.65
	----------	AvgRF	CCRF	% Dev	----------		
107	Chrysene-d12a	1.000	1.000	0.0	174	-0.02	12.70
108	Benzidine	0.411	0.514	-25.1#	178	-0.03	10.81
110	Acenaphthene-d10a	1.000	1.000	0.0	161	-0.02	7.16
111	1,2,4,5-Tetrachlorobenzen	0.483	0.540	-11.8	162	-0.03	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91924.D MZ4569.M Fri May 30 16:25:33 2014 RTE

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63914.D
Acq On : 28 May 2014 1:05 am
Operator : ashleyd
Sample : jb67744-1
Misc : op75114,E2M2711,30.5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:26:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	527149	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2041980	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1130172	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1701172	40.00	ppb	-0.12
83) Chrysene-d12	14.306	240	1273249	40.00	ppb	-0.21
92) Perylene-d12	16.419	264	1084676	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	527149	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1130172	40.00	ppb	-0.10
106) Chrysene-d12a	14.306	240	1273249	40.00	ppb	-0.21
108) Phenanthrene-d10a	10.123	188	1701172	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2041980	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.806	112	676890	34.65	ppb	-0.04
Spiked Amount 50.000			Recovery =	69.30%		
8) Phenol-d5	4.507	99	858161	35.68	ppb	-0.04
Spiked Amount 50.000			Recovery =	71.36%		
25) Nitrobenzene-d5	5.197	82	672280	36.81	ppb	-0.07
Spiked Amount 50.000			Recovery =	73.62%		
51) 2-Fluorobiphenyl	7.058	172	1246585	36.00	ppb	-0.09
Spiked Amount 50.000			Recovery =	72.00%		
73) 2,4,6-Tribromophenol	9.080	330	116072	46.49	ppb	-0.11
Spiked Amount 50.000			Recovery =	92.98%		
85) Terphenyl-d14	12.669	244	964390	37.86	ppb	-0.17
Spiked Amount 50.000			Recovery =	75.72%		
Target Compounds						Qvalue
21) 3&4-Methylphenol	5.095	108	37838	2.06	ppb	93
38) Naphthalene	5.876	128	442491	7.66	ppb	100
44) 2-Methylnaphthalene	6.614	141	133740	4.25	ppb	96
53) Biphenyl	7.181	154	46516	0.97	ppb	99
56) Acenaphthylene	7.743	152	22365	0.41	ppb	94
59) Acenaphthene	7.984	153	142064	4.18	ppb	99
62) Dibenzofuran	8.224	168	116980	2.63	ppb	100
66) Fluorene	8.716	166	177874	5.01	ppb	97
77) Phenanthrene	10.155	178	884874	17.08	ppb	100
78) Anthracene	10.236	178	335470	6.53	ppb	100
79) Carbazole	10.508	167	99774	1.85	ppb	99
81) Fluoranthene	12.027	202	578768	12.67	ppb	96
84) Pyrene	12.370	202	644304	13.84	ppb	96
88) Benzo[a]anthracene	14.284	228	254641	7.21	ppb	99
90) Chrysene	14.338	228	238584	6.63	ppb	97
93) Di-n-octylphthalate	15.493	149	144916m	3.47	ppb	
94) Benzo[b]fluoranthene	15.894	252	189035	6.17	ppb	98
95) Benzo[k]fluoranthene	15.926	252	72354m	2.08	ppb	
96) Benzo[a]pyrene	16.333	252	176349	6.34	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.980	276	73042	2.24	ppb	96
99) Dibenz[a,h]anthracene	18.007	278	26646	0.95	ppb	84
101) Benzo[g,h,i]perylene	18.430	276	74025	2.74	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63914.D
Acq On : 28 May 2014 1:05 am
Operator : ashleyd
Sample : jb67744-1
Misc : op75114,E2M2711,30.5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:26:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

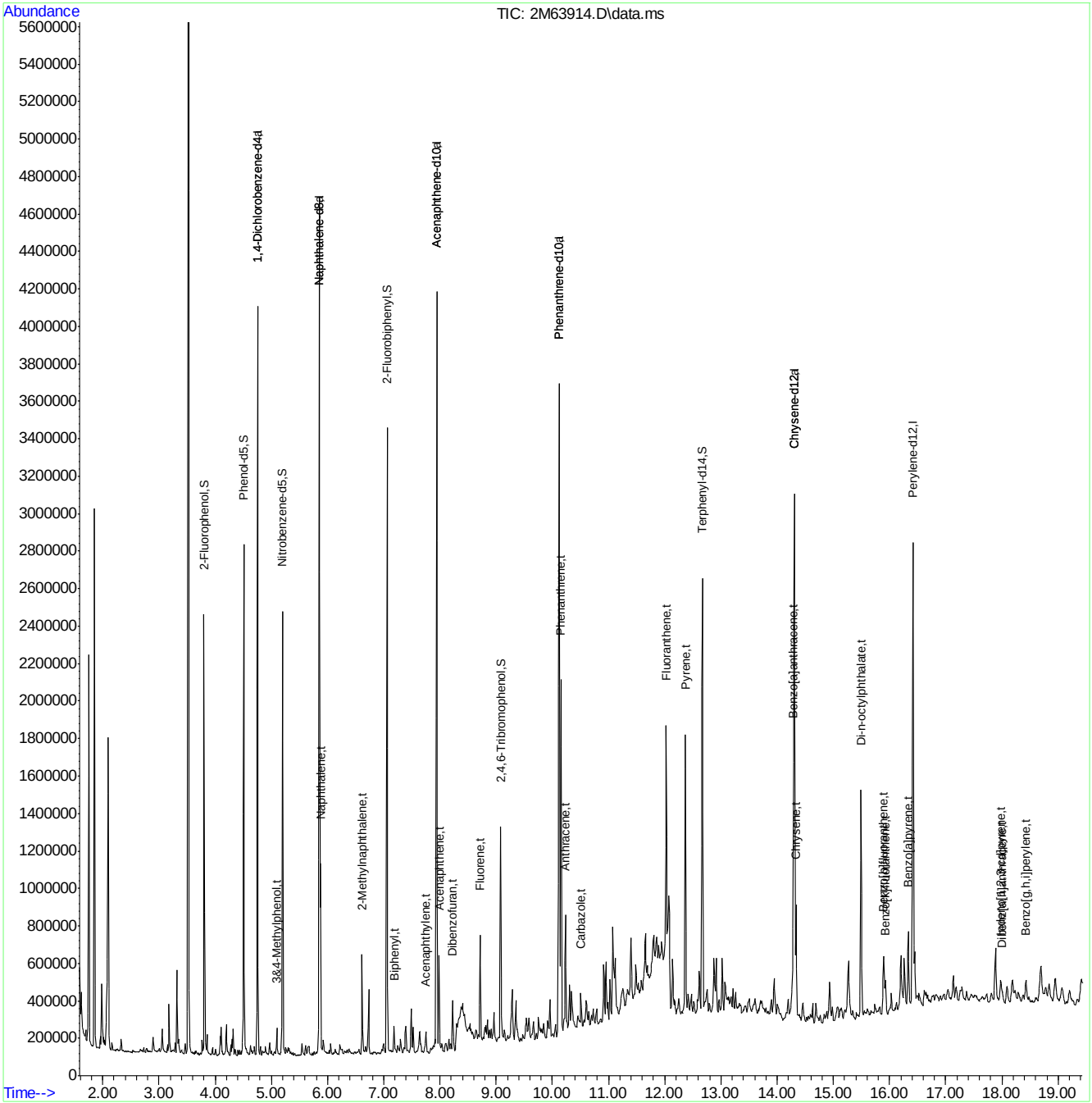
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

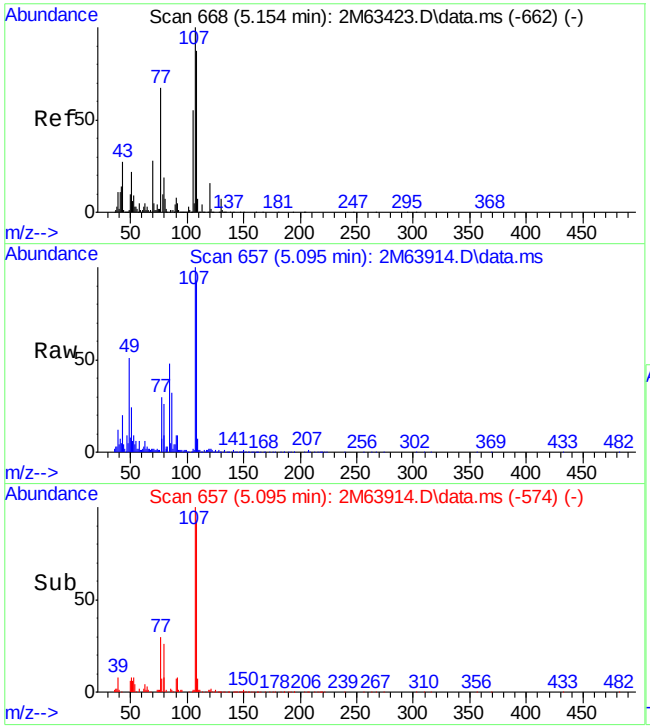
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63914.D
Acq On : 28 May 2014 1:05 am
Operator : ashleyd
Sample : jb67744-1
Misc : op75114,E2M2711,30.5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:26:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

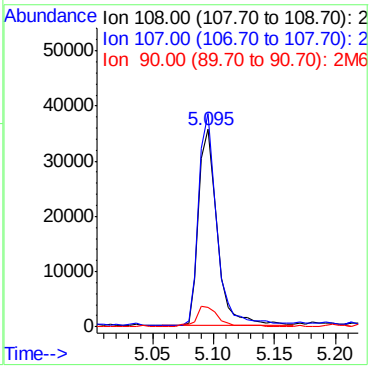


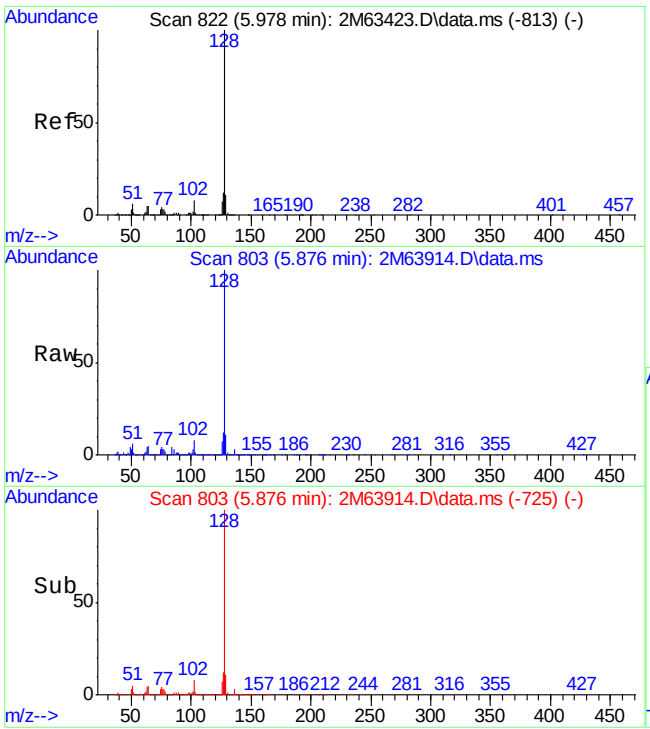


#21
3&4-Methylphenol
Concen: 2.06 ppb
RT: 5.095 min Scan# 657
Delta R.T. -0.053 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:108 Resp: 37838

Ion	Ratio	Lower	Upper
108	100		
107	107.8	85.5	145.5
90	9.9	0.0	39.1

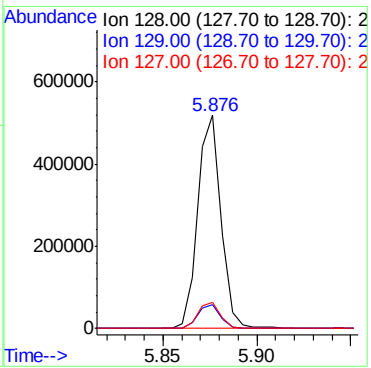


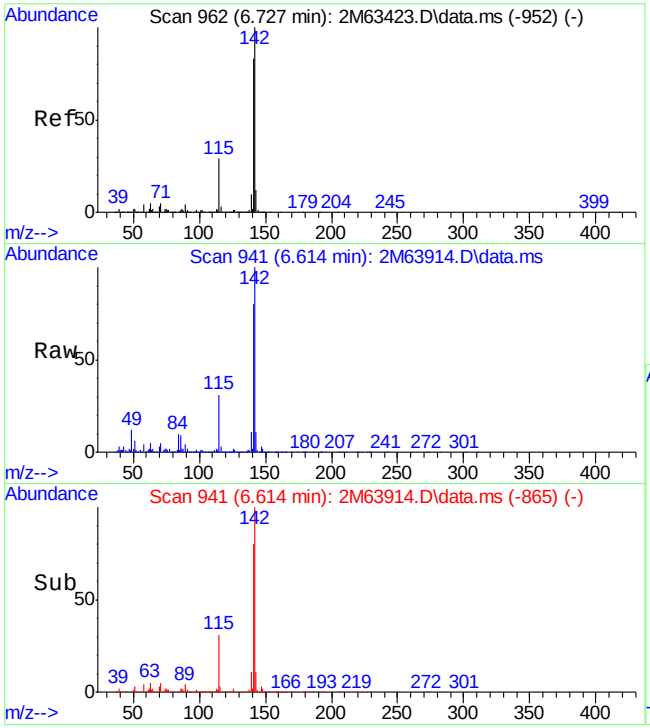


#38
Naphthalene
Concen: 7.66 ppb
RT: 5.876 min Scan# 803
Delta R.T. -0.080 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:128 Resp: 442491

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.9
127	12.1	0.0	42.2

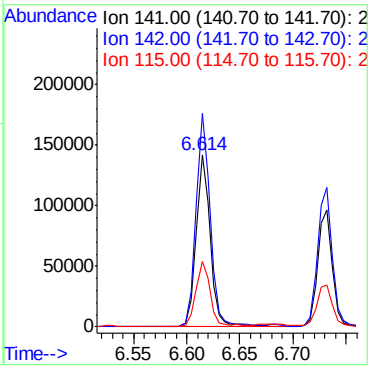


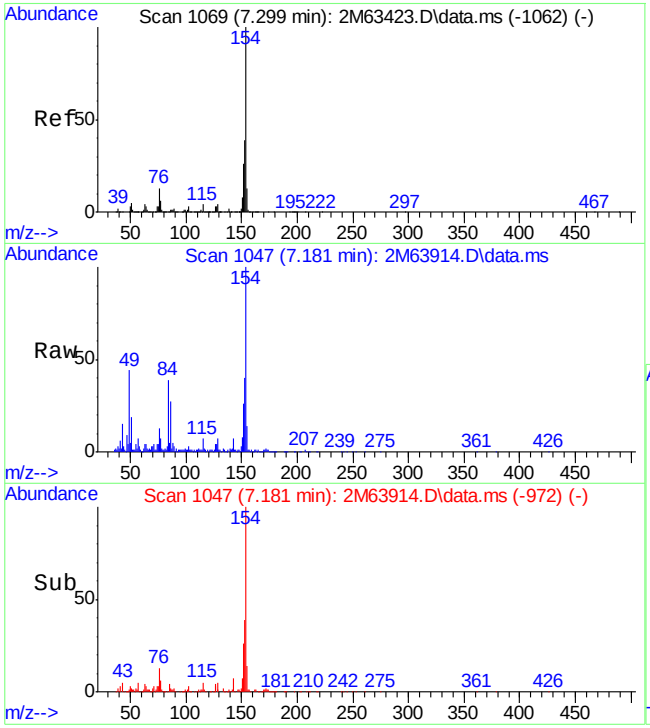


#44
2-Methylnaphthalene
Concen: 4.25 ppb
RT: 6.614 min Scan# 941
Delta R.T. -0.091 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:141 Resp: 133740

Ion	Ratio	Lower	Upper
141	100		
142	124.2	90.4	150.4
115	38.0	5.3	65.3

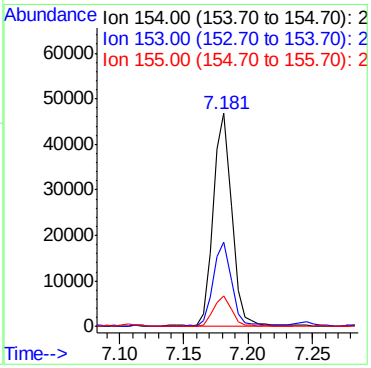


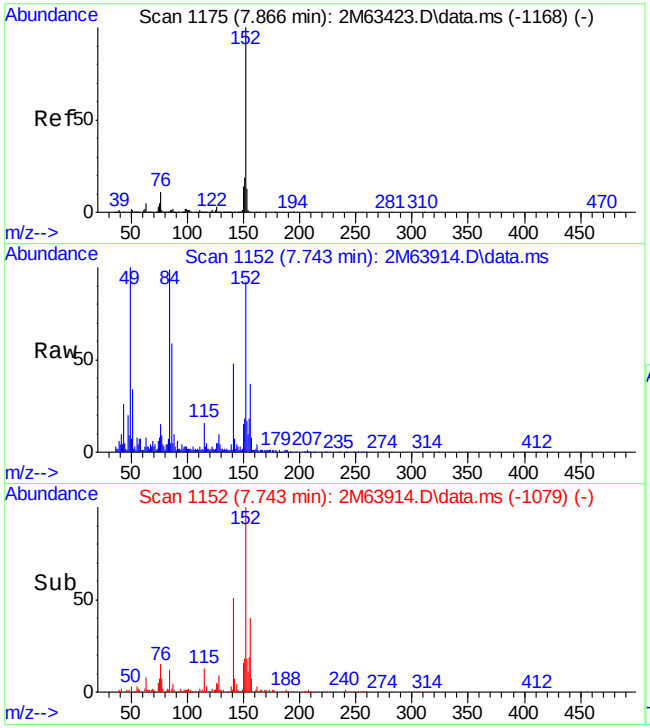


#53
Biphenyl
Concen: 0.97 ppb
RT: 7.181 min Scan# 1047
Delta R.T. -0.096 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:154 Resp: 46516

Ion	Ratio	Lower	Upper
154	100		
153	38.9	8.6	68.6
155	14.1	0.0	43.1

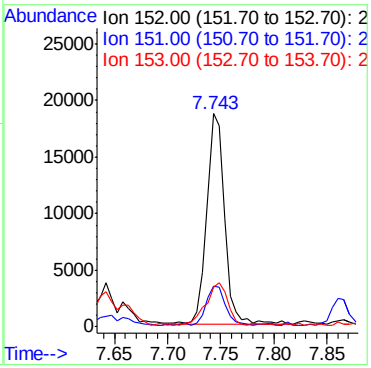


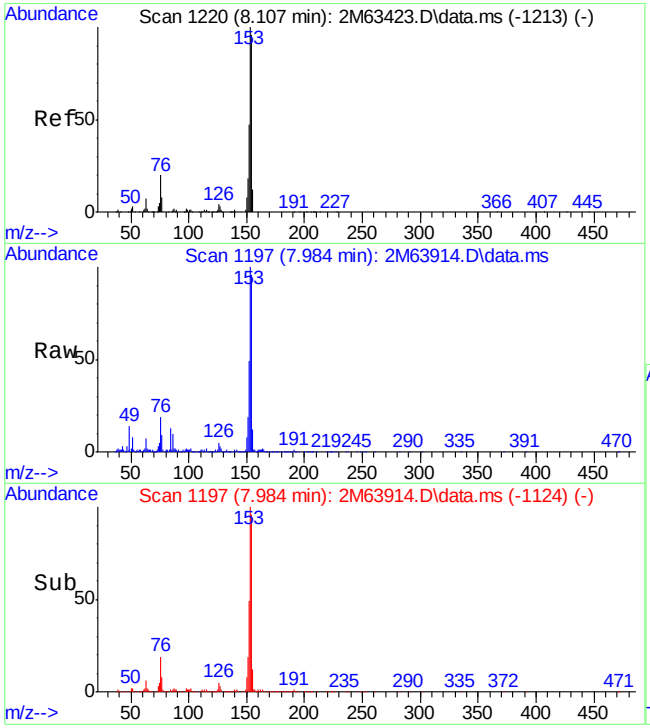


#56
Acenaphthylene
Concen: 0.41 ppb
RT: 7.743 min Scan# 1152
Delta R.T. -0.107 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:152 Resp: 22365

Ion	Ratio	Lower	Upper
152	100		
151	18.6	0.0	49.1
153	17.6	0.0	42.6

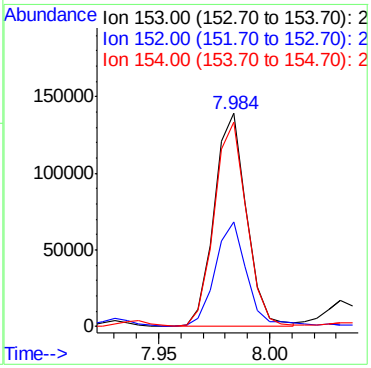


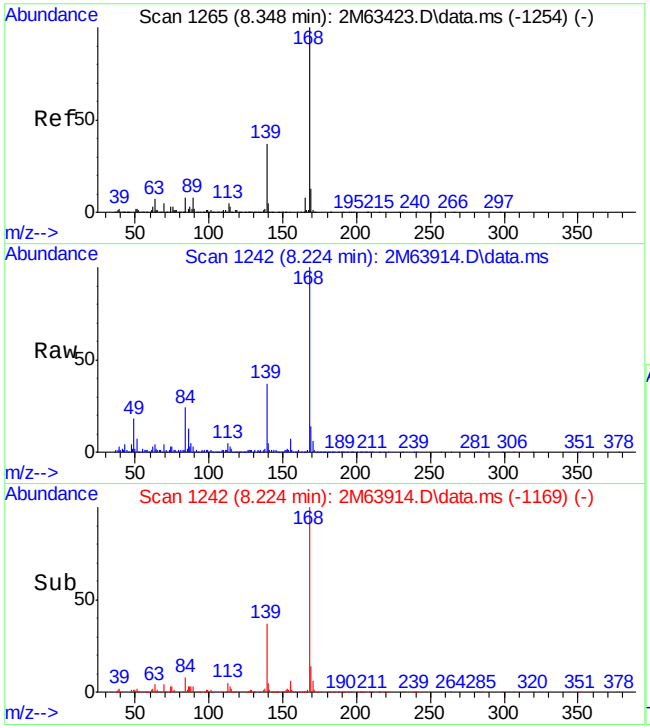


#59
Acenaphthene
Concen: 4.18 ppb
RT: 7.984 min Scan# 1197
Delta R.T. -0.107 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:153 Resp: 142064

Ion	Ratio	Lower	Upper
153	100		
152	48.3	17.5	77.5
154	95.8	66.3	126.3

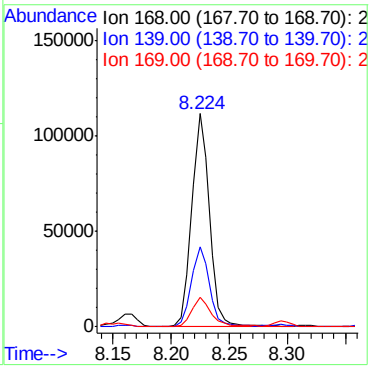


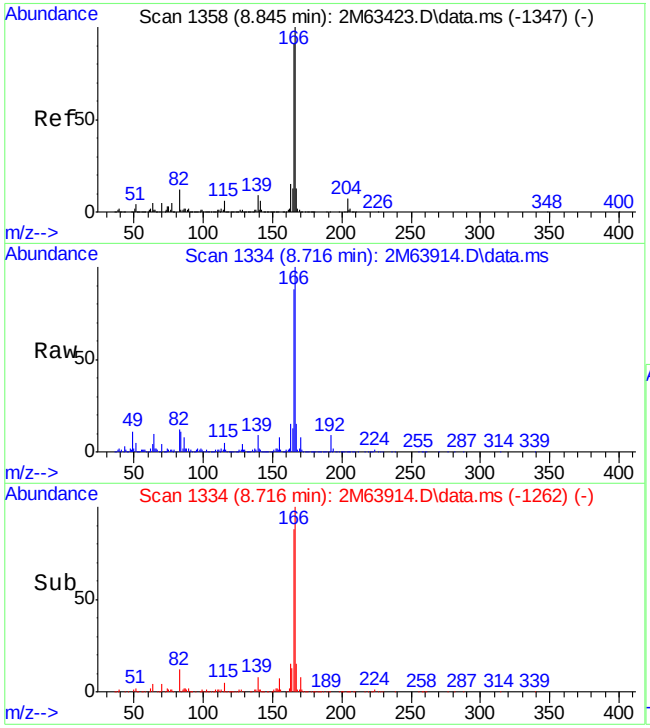


#62
Dibenzofuran
Concen: 2.63 ppb
RT: 8.224 min Scan# 1242
Delta R.T. -0.107 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:168 Resp: 116980

Ion	Ratio	Lower	Upper
168	100		
139	37.0	7.0	67.0
169	13.4	0.0	43.3

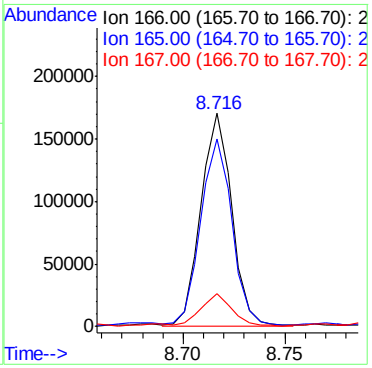


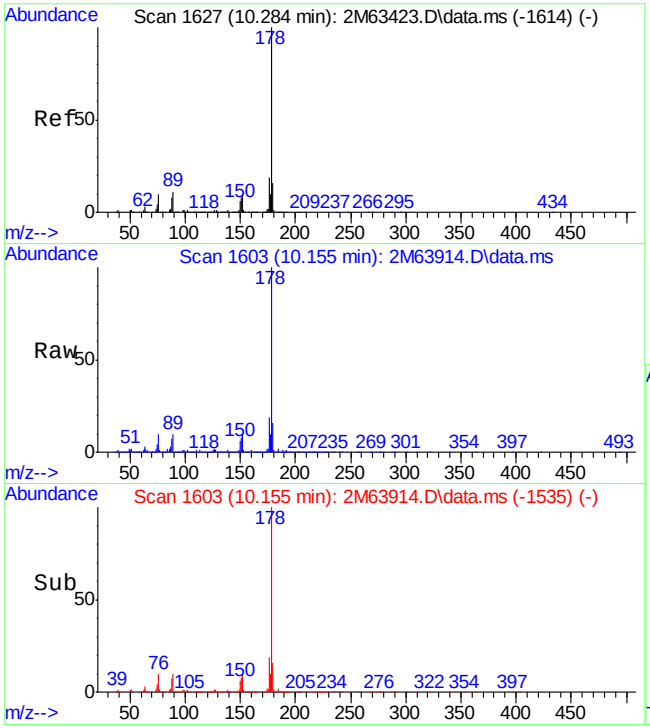


#66
Fluorene
Concen: 5.01 ppb
RT: 8.716 min Scan# 1334
Delta R.T. -0.112 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:166 Resp: 177874

Ion	Ratio	Lower	Upper
166	100		
165	87.5	60.6	120.6
167	14.6	0.0	43.1

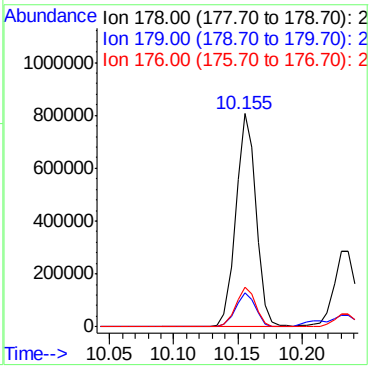


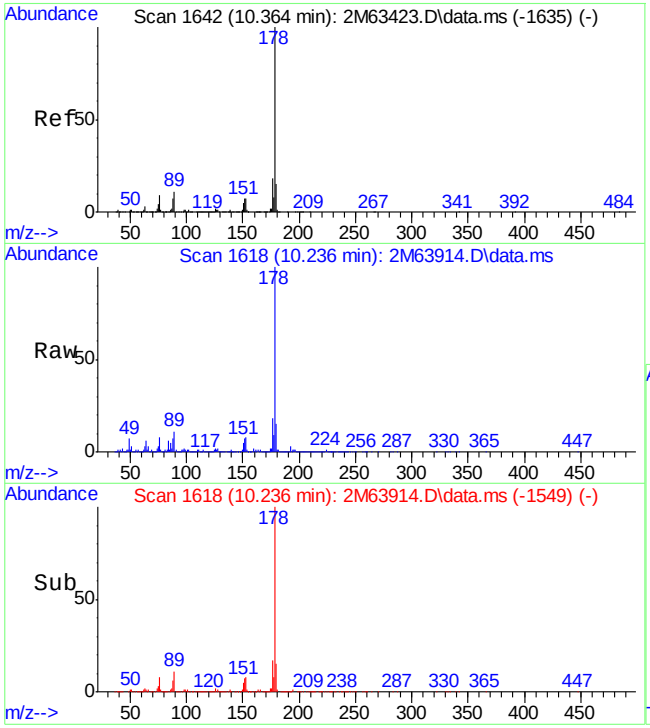


#77
Phenanthrene
Concen: 17.08 ppb
RT: 10.155 min Scan# 1603
Delta R.T. -0.134 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:178 Resp: 884874

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.5
176	18.7	0.0	48.7

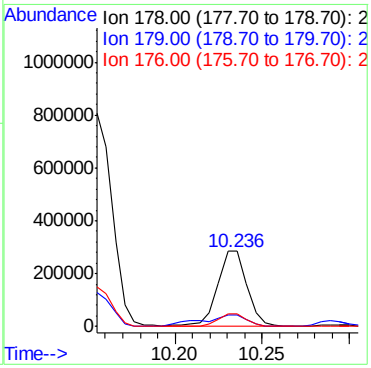


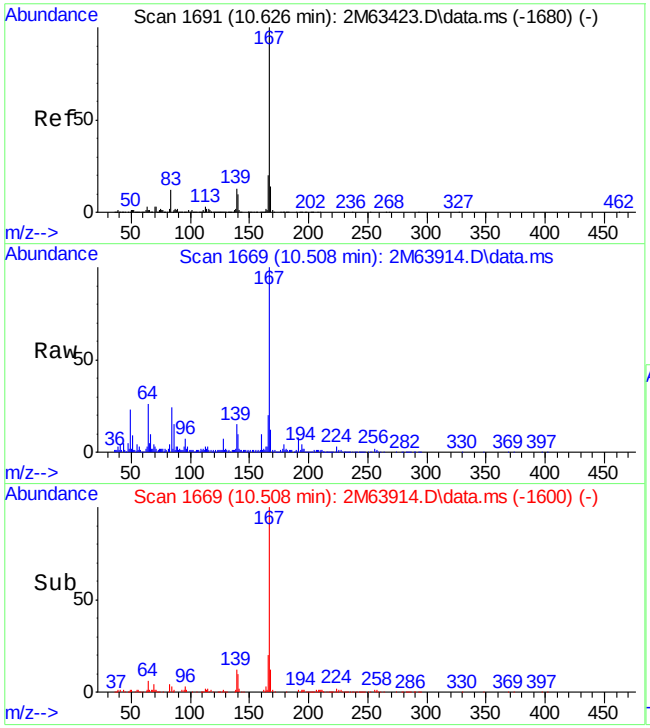


#78
Anthracene
Concen: 6.53 ppb
RT: 10.236 min Scan# 1618
Delta R.T. -0.128 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:178 Resp: 335470

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.0
176	17.5	0.0	47.6

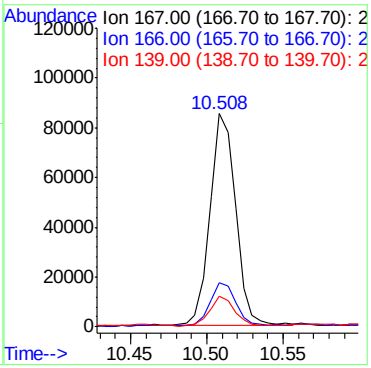


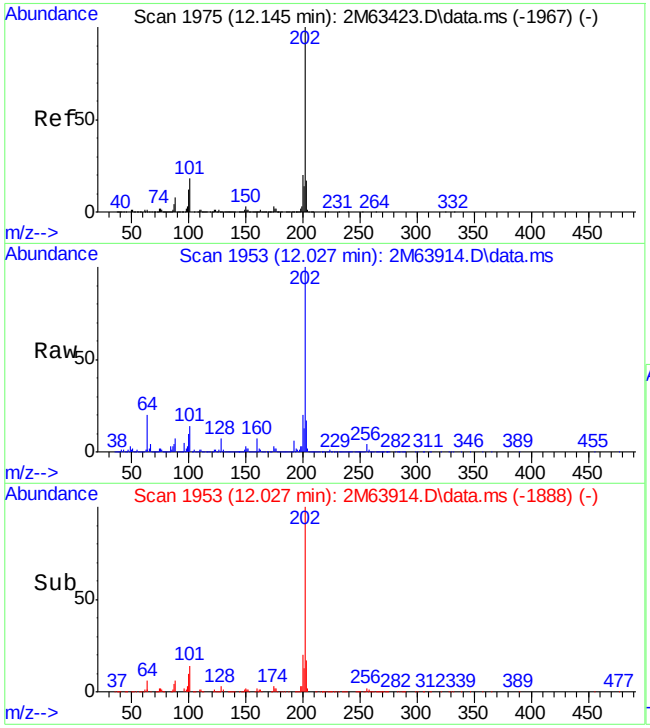


#79
Carbazole
Concen: 1.85 ppb
RT: 10.508 min Scan# 1669
Delta R.T. -0.128 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:167 Resp: 99774

Ion	Ratio	Lower	Upper
167	100		
166	19.6	0.0	50.0
139	13.8	0.0	43.0

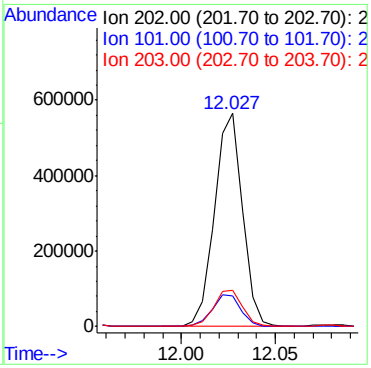


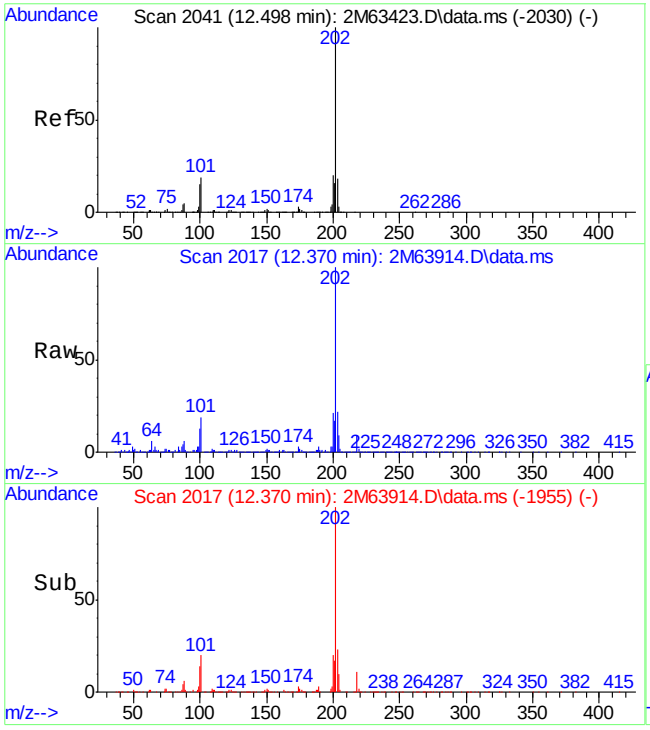


#81
Fluoranthene
Concen: 12.67 ppb
RT: 12.027 min Scan# 1953
Delta R.T. -0.150 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:202 Resp: 578768

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	47.5
203	16.9	0.0	47.3

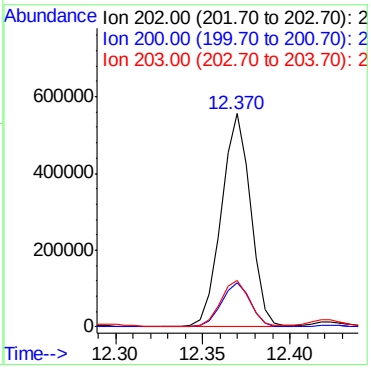


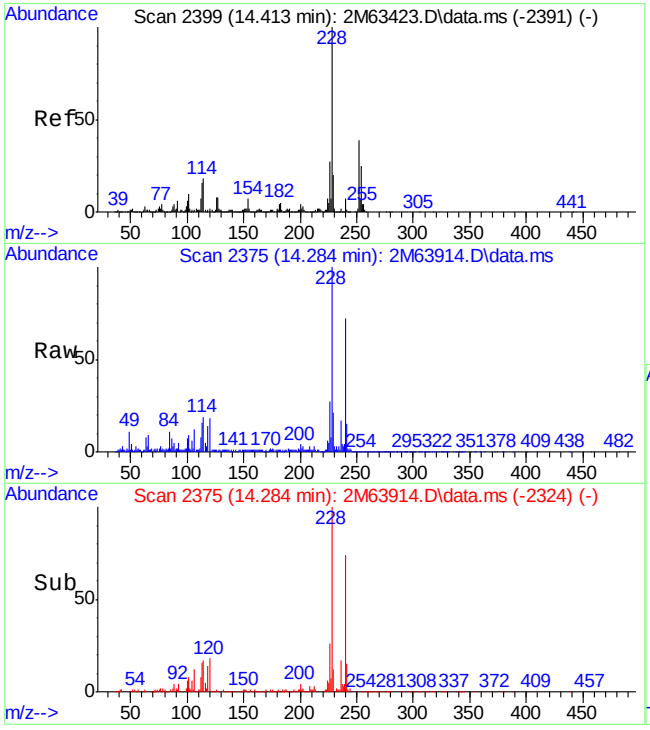


#84
Pyrene
Concen: 13.84 ppb
RT: 12.370 min Scan# 2017
Delta R.T. -0.166 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:202 Resp: 644304

Ion	Ratio	Lower	Upper
202	100		
200	20.5	0.0	50.2
203	21.6	0.0	47.9

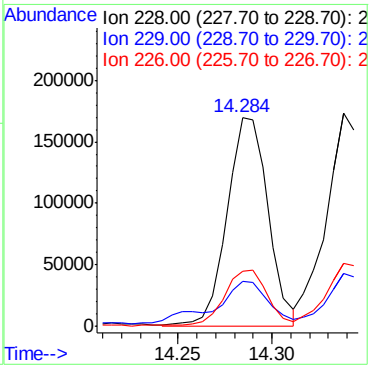


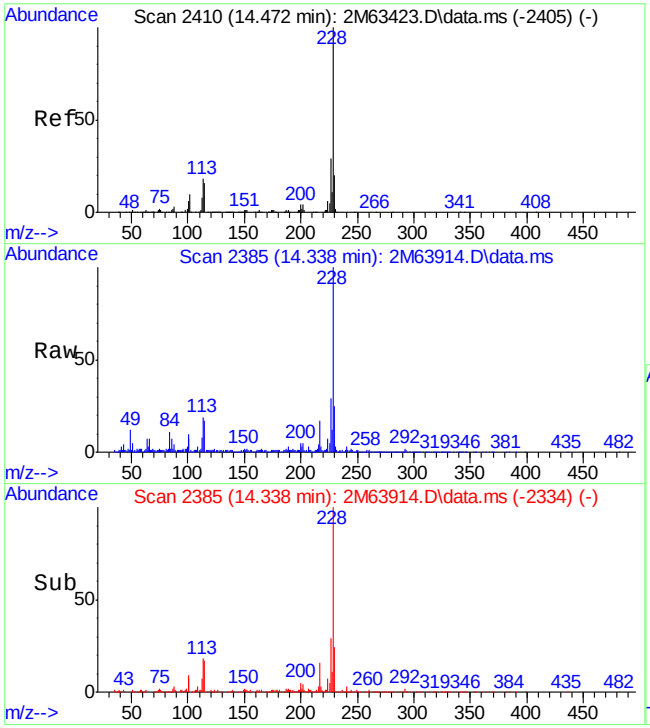


#88
Benzo[a]anthracene
Concen: 7.21 ppb
RT: 14.284 min Scan# 2375
Delta R.T. -0.225 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:228 Resp: 254641

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.6
226	26.4	0.0	57.0

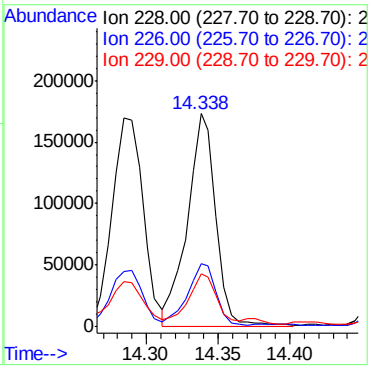


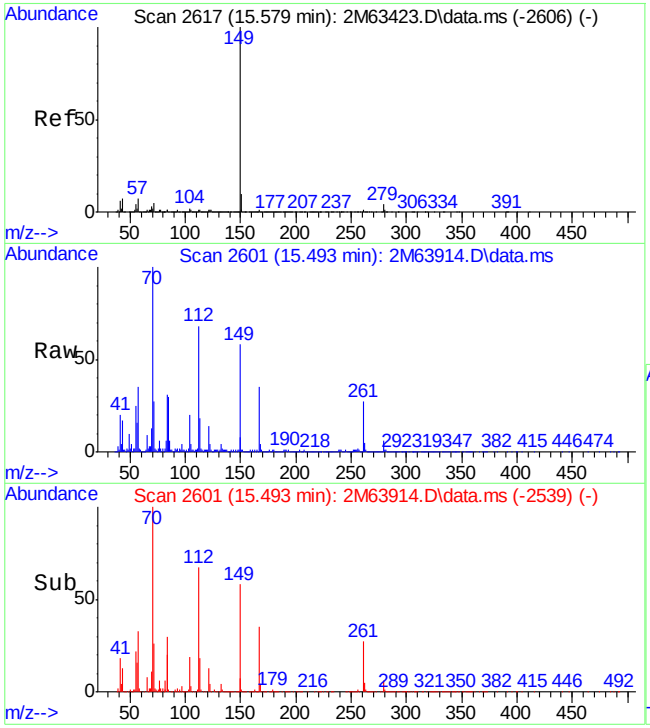


#90
Chrysene
Concen: 6.63 ppb
RT: 14.338 min Scan# 2385
Delta R.T. -0.225 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:228 Resp: 238584

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	58.9
229	23.1	0.0	49.7

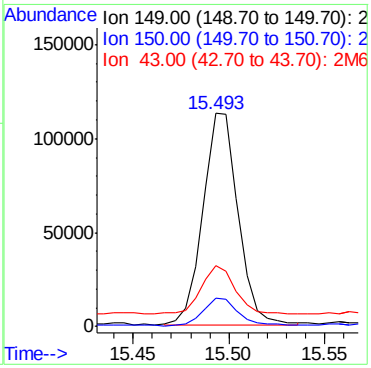


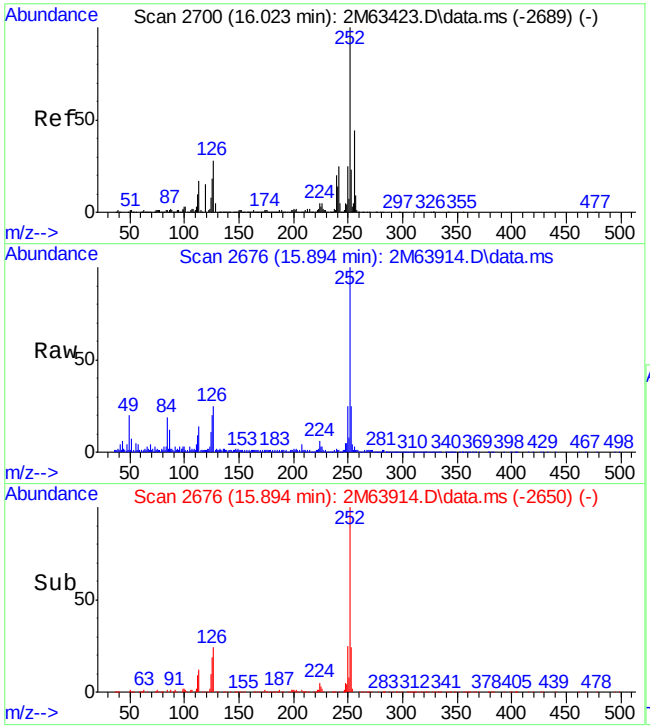


#93
Di-n-octylphthalate
Concen: 3.47 ppb m
RT: 15.493 min Scan# 2601
Delta R.T. -0.166 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:149 Resp: 144916

Ion	Ratio	Lower	Upper
149	100		
150	13.2	0.0	39.7
43	28.6	0.0	37.4

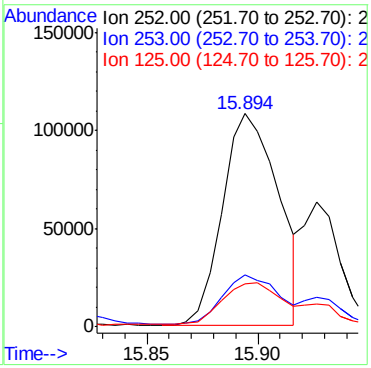


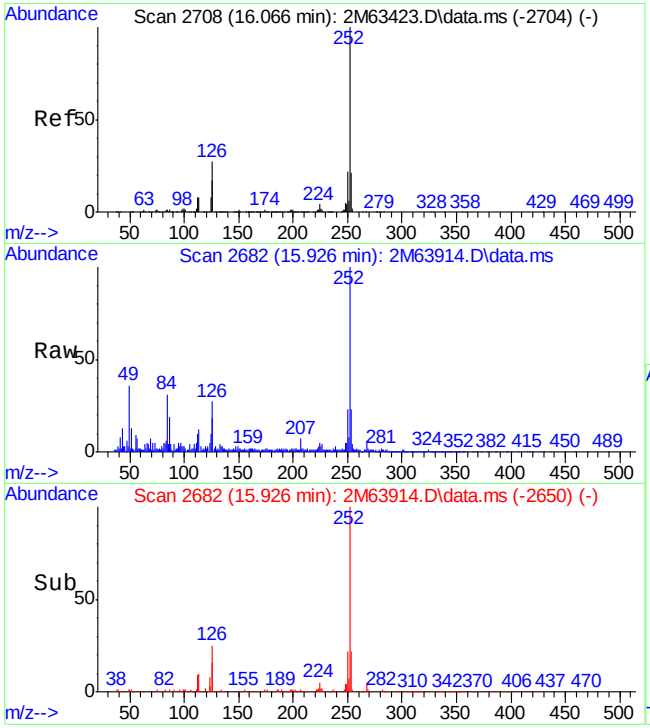


#94
Benzo[b]fluoranthene
Concen: 6.17 ppb
RT: 15.894 min Scan# 2676
Delta R.T. -0.358 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:252 Resp: 189035

Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	53.3
125	18.8	0.0	47.9

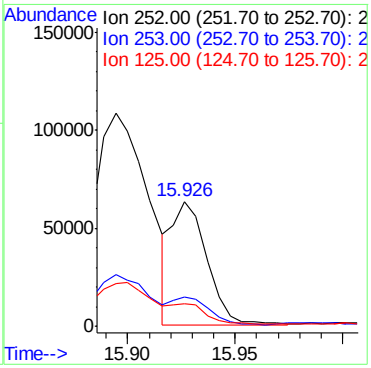


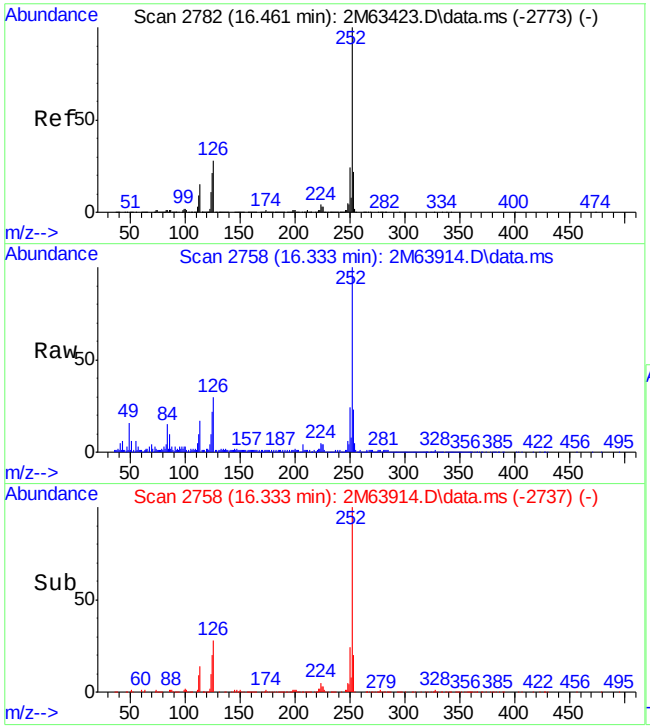


#95
Benzo[k]fluoranthene
Concen: 2.08 ppb m
RT: 15.926 min Scan# 2682
Delta R.T. -0.326 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:252 Resp: 72354

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.6
125	18.1	0.0	47.4

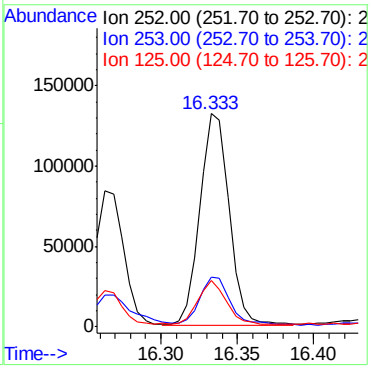


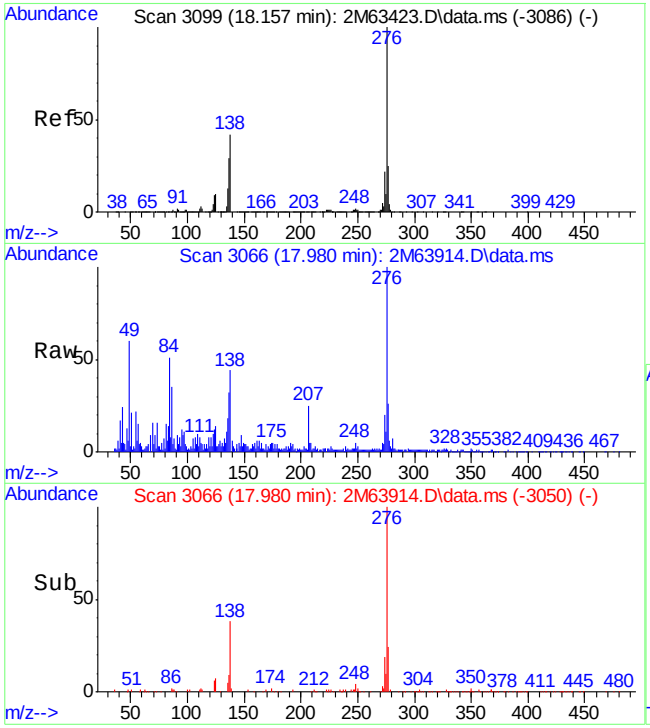


#96
Benzo[a]pyrene
Concen: 6.34 ppb
RT: 16.333 min Scan# 2758
Delta R.T. -0.385 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:252 Resp: 176349

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	52.4
125	20.7	0.0	50.8

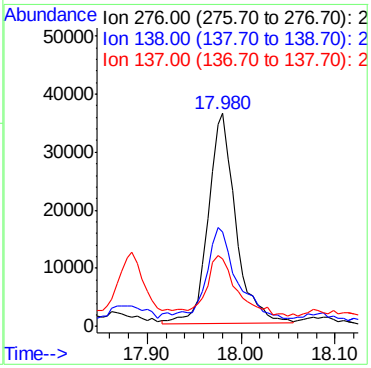


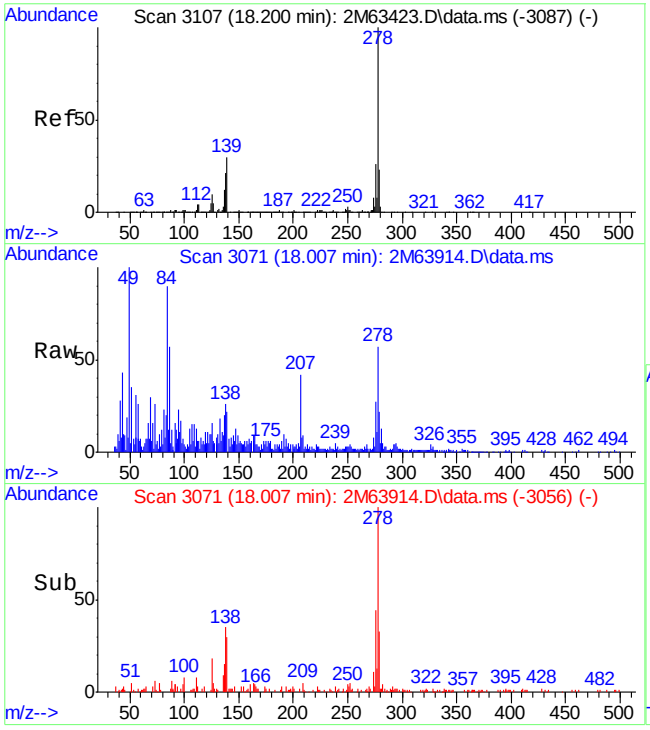


#97
Indeno[1,2,3-cd]pyrene
Concen: 2.24 ppb
RT: 17.980 min Scan# 3066
Delta R.T. -0.412 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:276 Resp: 73042

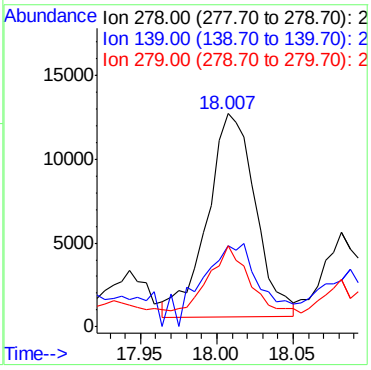
Ion	Ratio	Lower	Upper
276	100		
138	40.2	11.9	71.9
137	25.5	0.0	58.6

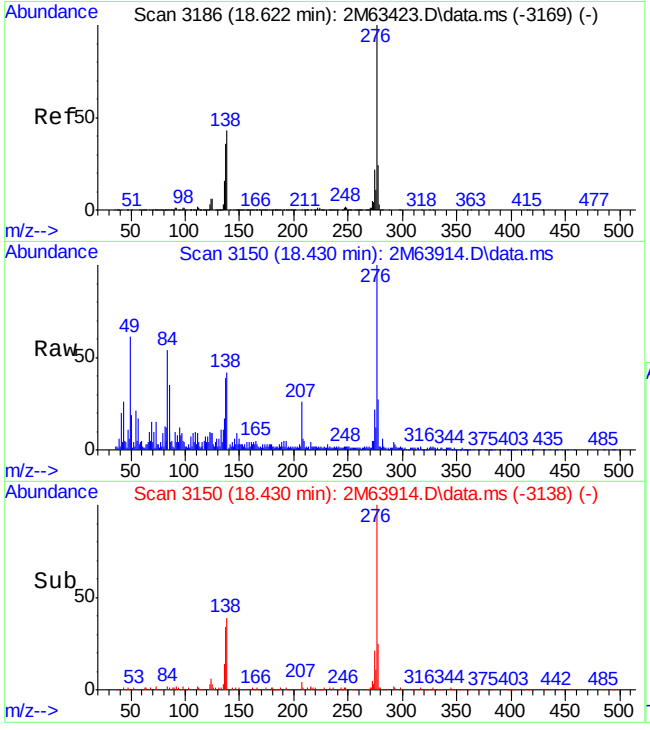




#99
Dibenz[a,h]anthracene
Concen: 0.95 ppb
RT: 18.007 min Scan# 3071
Delta R.T. -0.417 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

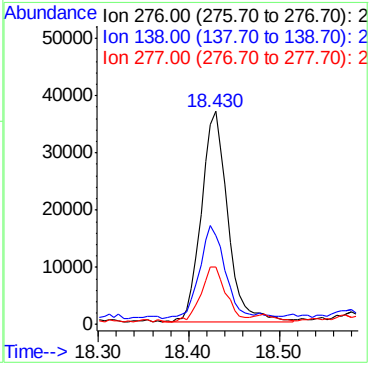
Tgt Ion:278	Resp:	26646	
Ion	Ratio	Lower	Upper
278	100		
139	36.7	0.0	59.9
279	33.5	0.0	53.3





#101
Benzo[g,h,i]perylene
Concen: 2.74 ppb
RT: 18.430 min Scan# 3150
Delta R.T. -0.433 min
Lab File: 2M63914.D
Acq: 28 May 2014 1:05 am

Tgt Ion:276	Resp:	74025	
Ion	Ratio	Lower	Upper
276	100		
138	38.2	12.9	72.9
277	25.8	0.0	53.9



Manual Integration Approval Summary

Sample Number: JB67744-1
Lab FileID: 2M63914.D
Injection Time: 05/28/14 01:05
Method: SW846 8270D
Analyst approved: 05/29/14 17:01 Andrew Lee Smith
Supervisor approved: 06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Di-n-octyl phthalate	117-84-0		15.49	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		15.93	Overlapping peak

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63915.D
Acq On : 28 May 2014 1:31 am
Operator : ashleyd
Sample : jb67744-2
Misc : op75114,E2M2711,31.7
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:27:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

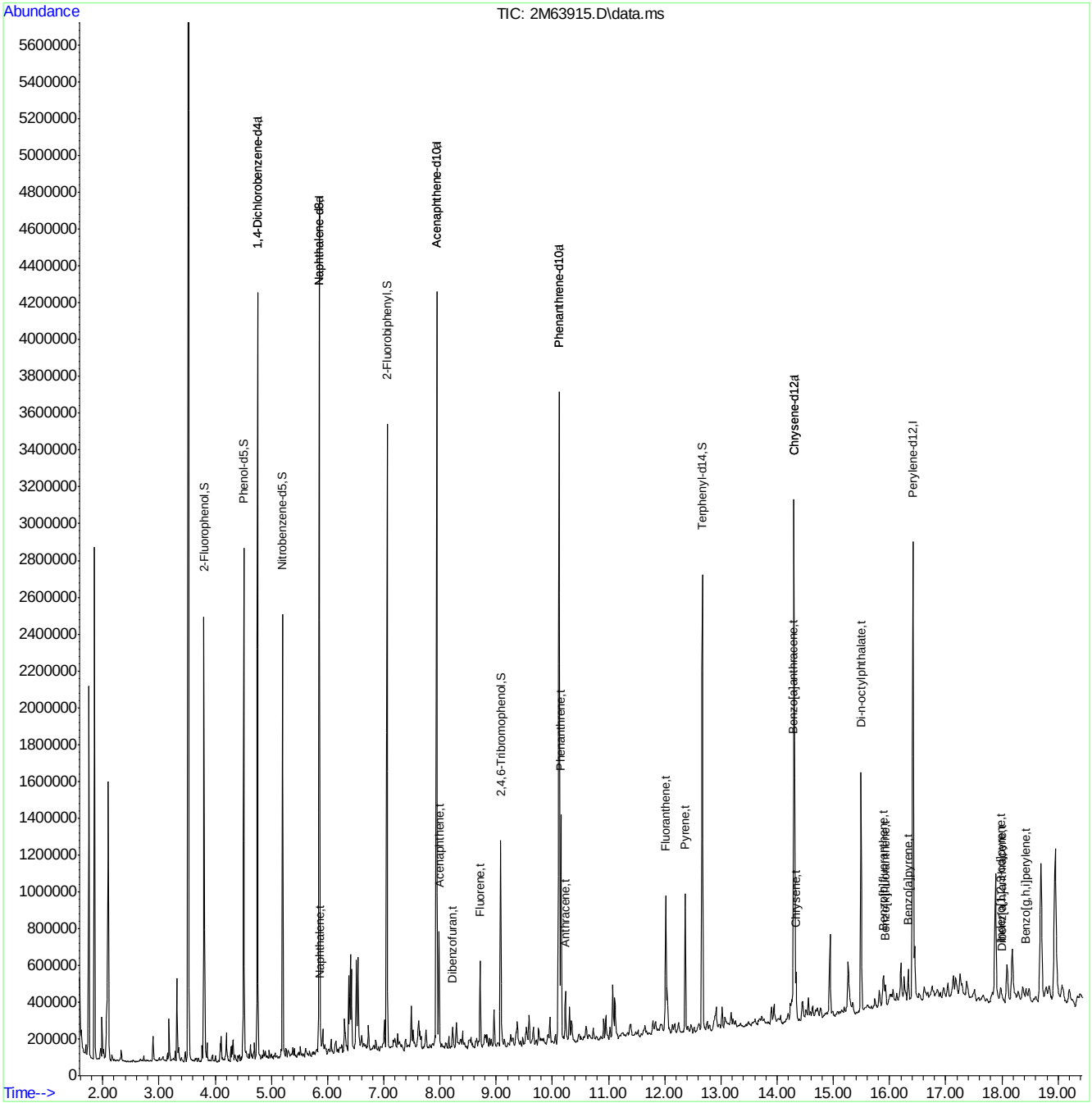
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	539008	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2097437	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1167935	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1746114	40.00	ppb	-0.12
83) Chrysene-d12	14.301	240	1314317	40.00	ppb	-0.22
92) Perylene-d12	16.419	264	1107700	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	539008	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1167935	40.00	ppb	-0.10
106) Chrysene-d12a	14.301	240	1314317	40.00	ppb	-0.22
108) Phenanthrene-d10a	10.123	188	1746114	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2097437	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.801	112	676866	33.88	ppb	-0.04
Spiked Amount 50.000			Recovery =	67.76%		
8) Phenol-d5	4.507	99	885785	36.02	ppb	-0.04
Spiked Amount 50.000			Recovery =	72.04%		
25) Nitrobenzene-d5	5.197	82	675765	36.03	ppb	-0.07
Spiked Amount 50.000			Recovery =	72.06%		
51) 2-Fluorobiphenyl	7.059	172	1274160	35.60	ppb	-0.09
Spiked Amount 50.000			Recovery =	71.20%		
73) 2,4,6-Tribromophenol	9.080	330	123138	48.05	ppb	-0.11
Spiked Amount 50.000			Recovery =	96.10%		
85) Terphenyl-d14	12.669	244	1021982	38.86	ppb	-0.17
Spiked Amount 50.000			Recovery =	77.72%		
Target Compounds						Qvalue
38) Naphthalene	5.877	128	35712	0.60	ppb	100
59) Acenaphthene	7.984	153	170987	4.87	ppb	100
62) Dibenzofuran	8.225	168	38892	0.85	ppb	95
66) Fluorene	8.717	166	136709	3.73	ppb	99
77) Phenanthrene	10.155	178	567348	10.67	ppb	100
78) Anthracene	10.230	178	144464	2.74	ppb	98
81) Fluoranthene	12.017	202	368761	7.86	ppb	97
84) Pyrene	12.364	202	343402	7.15	ppb	97
88) Benzo[a]anthracene	14.285	228	103950	2.85	ppb	98
90) Chrysene	14.338	228	99644m	2.68	ppb	
93) Di-n-octylphthalate	15.493	149	155354m	3.61	ppb	
94) Benzo[b]fluoranthene	15.895	252	94091	3.01	ppb	99
95) Benzo[k]fluoranthene	15.927	252	36129m	1.02	ppb	
96) Benzo[a]pyrene	16.333	252	79063	2.78	ppb	94
97) Indeno[1,2,3-cd]pyrene	17.980	276	41112	1.24	ppb	89
99) Dibenz[a,h]anthracene	18.007	278	11514	0.40	ppb	94
101) Benzo[g,h,i]perylene	18.430	276	39064	1.42	ppb	99

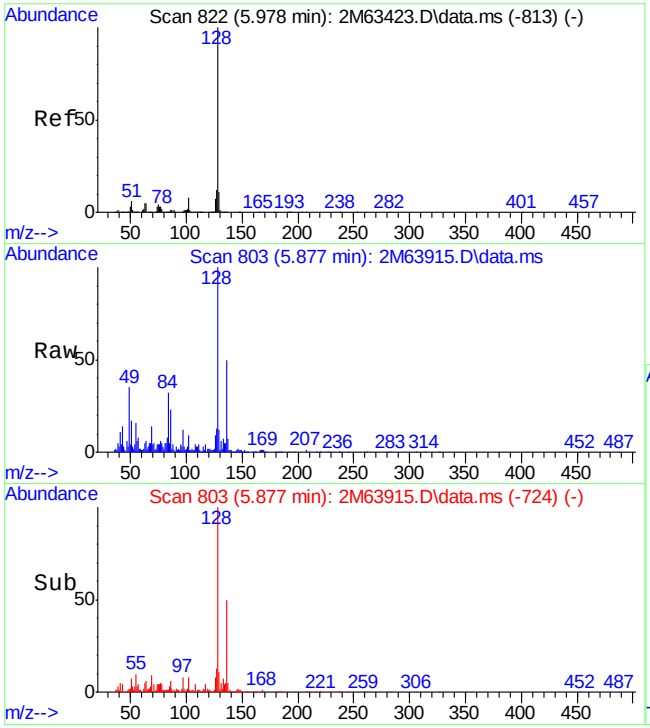
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63915.D
Acq On : 28 May 2014 1:31 am
Operator : ashleyd
Sample : jb67744-2
Misc : op75114,E2M2711,31.7
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:27:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

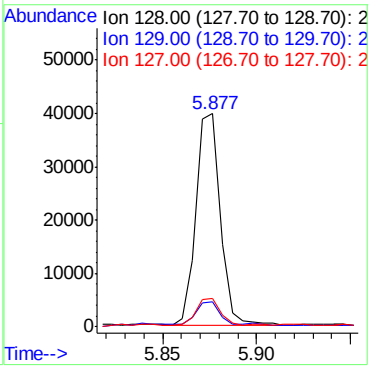


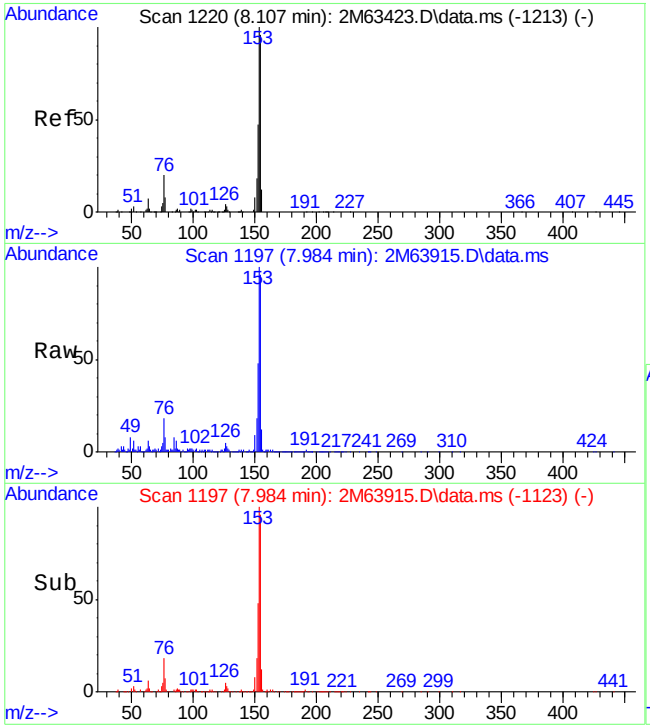


#38
Naphthalene
Concen: 0.60 ppb
RT: 5.877 min Scan# 803
Delta R.T. -0.080 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:128 Resp: 35712

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.9
127	12.4	0.0	42.2

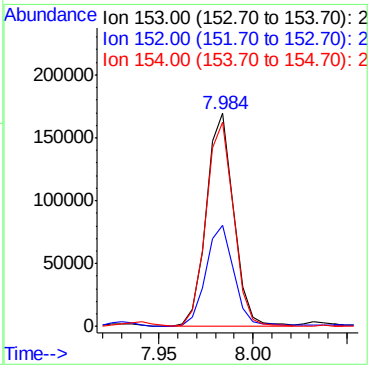


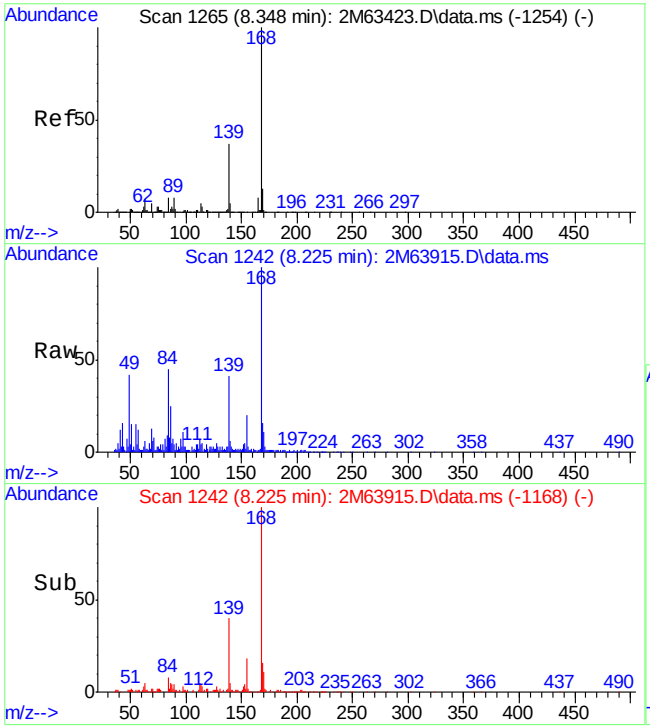


#59
Acenaphthene
Concen: 4.87 ppb
RT: 7.984 min Scan# 1197
Delta R.T. -0.107 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:153 Resp: 170987

Ion	Ratio	Lower	Upper
153	100		
152	47.4	17.5	77.5
154	95.7	66.3	126.3

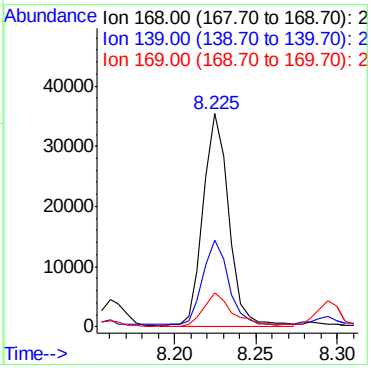


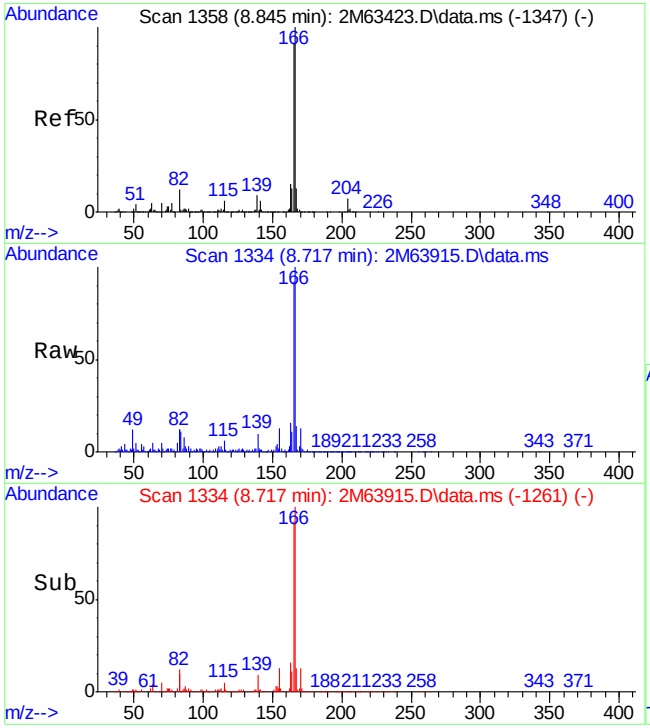


#62
Dibenzofuran
Concen: 0.85 ppb
RT: 8.225 min Scan# 1242
Delta R.T. -0.107 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:168 Resp: 38892

Ion	Ratio	Lower	Upper
168	100		
139	39.9	7.0	67.0
169	15.2	0.0	43.3

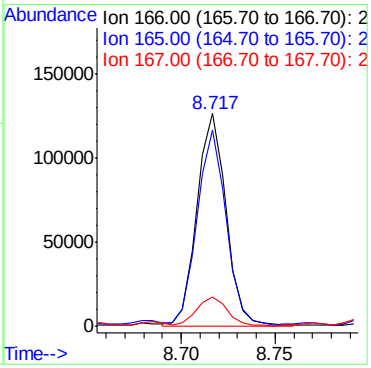


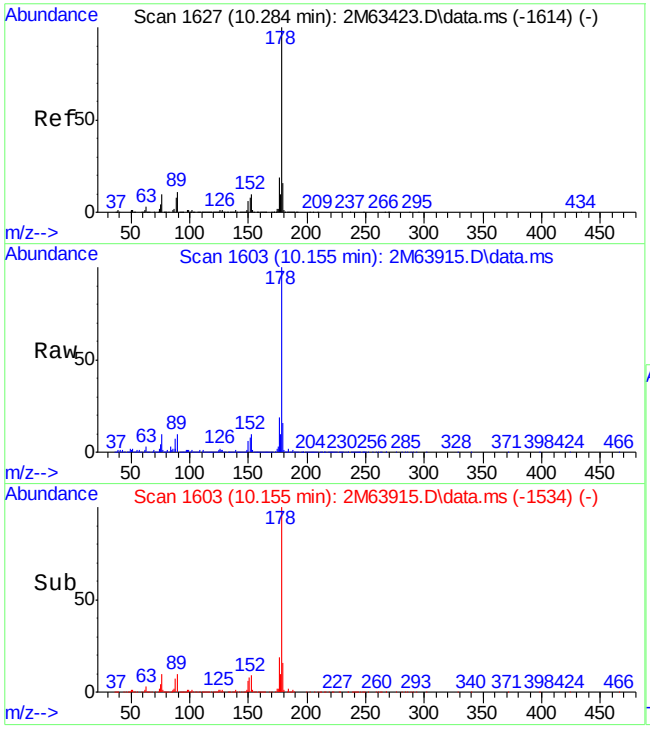


#66
Fluorene
Concen: 3.73 ppb
RT: 8.717 min Scan# 1334
Delta R.T. -0.112 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:166 Resp: 136709

Ion	Ratio	Lower	Upper
166	100		
165	91.3	60.6	120.6
167	12.5	0.0	43.1

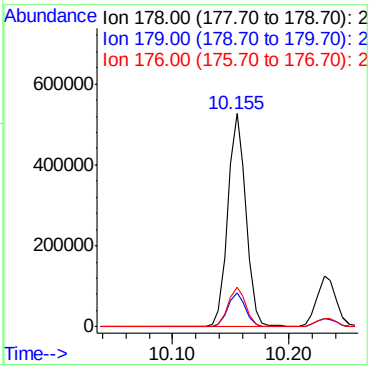


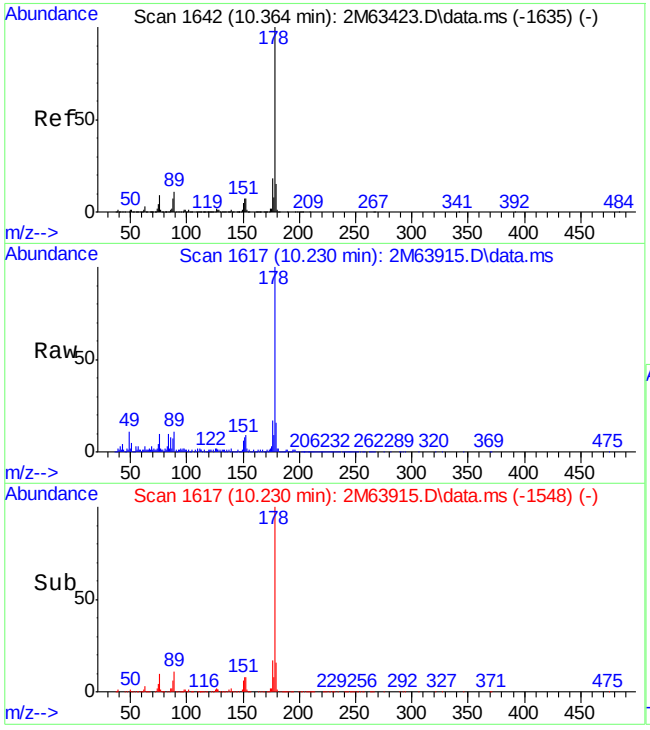


#77
Phenanthrene
Concen: 10.67 ppb
RT: 10.155 min Scan# 1603
Delta R.T. -0.133 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:178 Resp: 567348

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.5
176	18.6	0.0	48.7

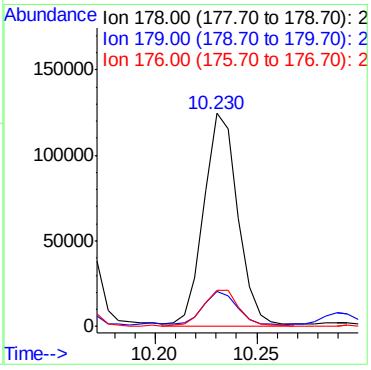


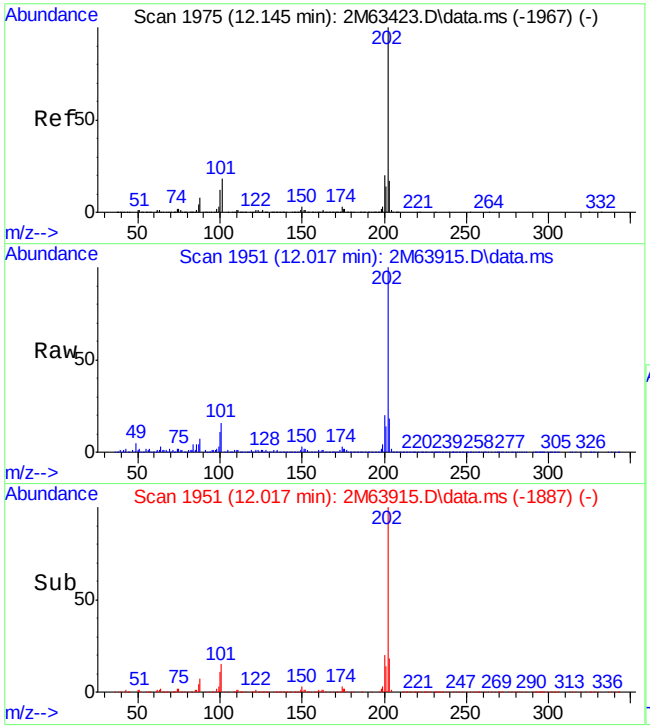


#78
Anthracene
Concen: 2.74 ppb
RT: 10.230 min Scan# 1617
Delta R.T. -0.133 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:178 Resp: 144464

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.0
176	16.7	0.0	47.6

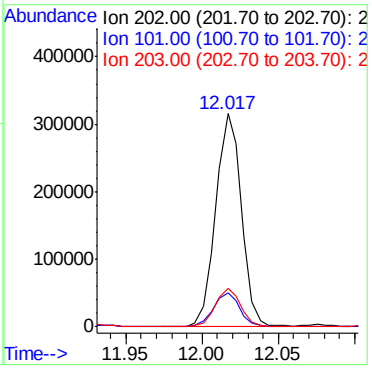


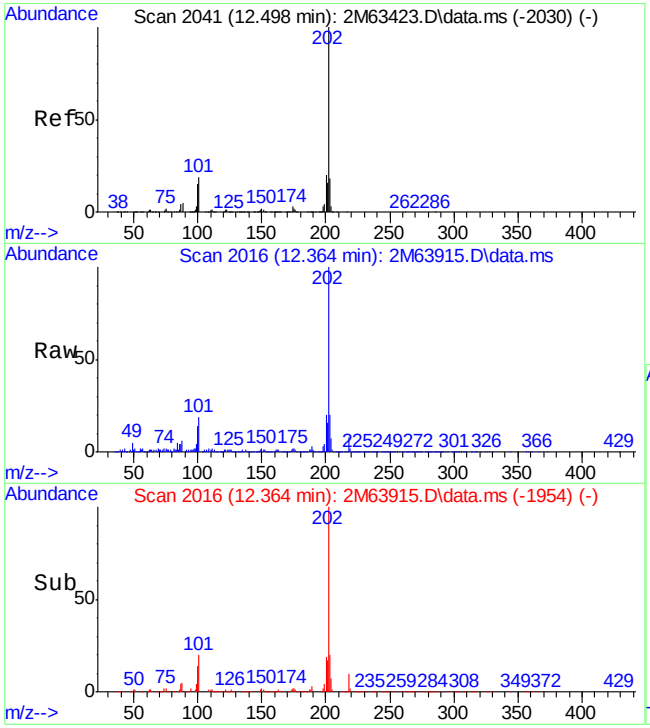


#81
Fluoranthene
Concen: 7.86 ppb
RT: 12.017 min Scan# 1951
Delta R.T. -0.160 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:202 Resp: 368761

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	47.5
203	17.7	0.0	47.3

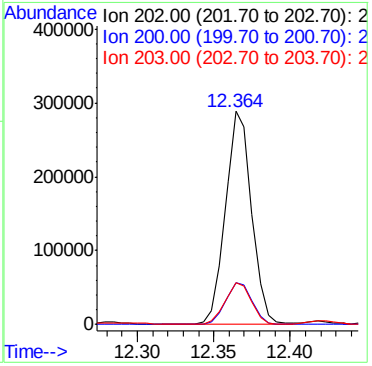


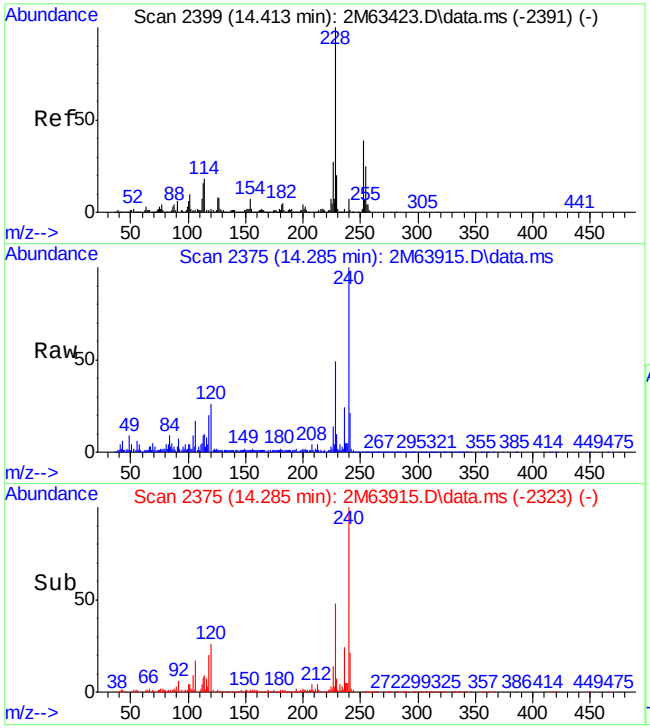


#84
Pyrene
Concen: 7.15 ppb
RT: 12.364 min Scan# 2016
Delta R.T. -0.171 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:202 Resp: 343402

Ion	Ratio	Lower	Upper
202	100		
200	19.6	0.0	50.2
203	19.6	0.0	47.9

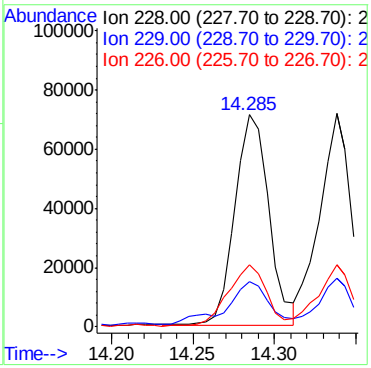


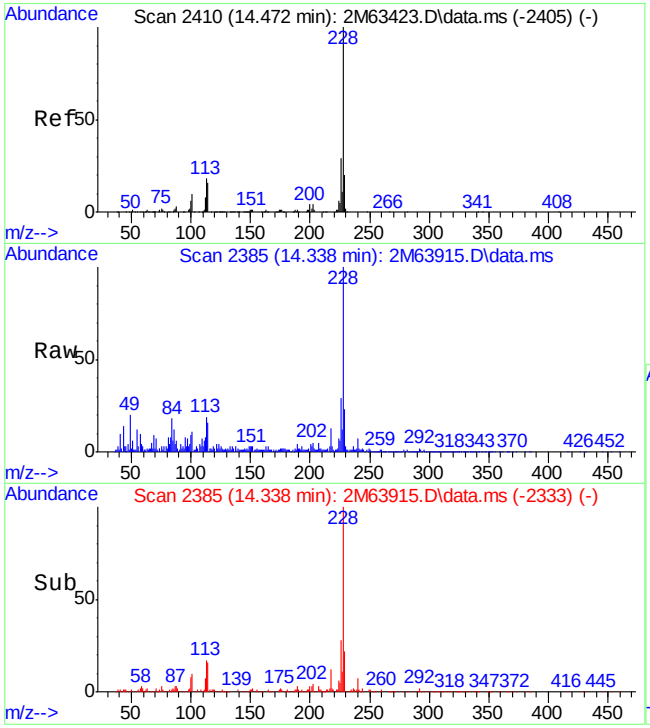


#88
Benzo[a]anthracene
Concen: 2.85 ppb
RT: 14.285 min Scan# 2375
Delta R.T. -0.224 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:228 Resp: 103950

Ion	Ratio	Lower	Upper
228	100		
229	19.6	0.0	49.6
226	29.2	0.0	57.0

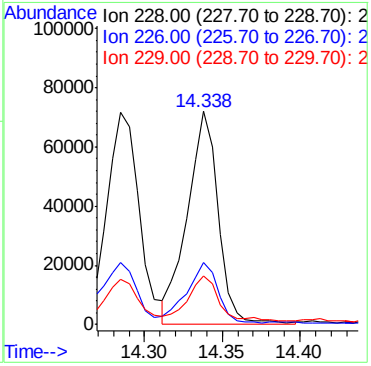


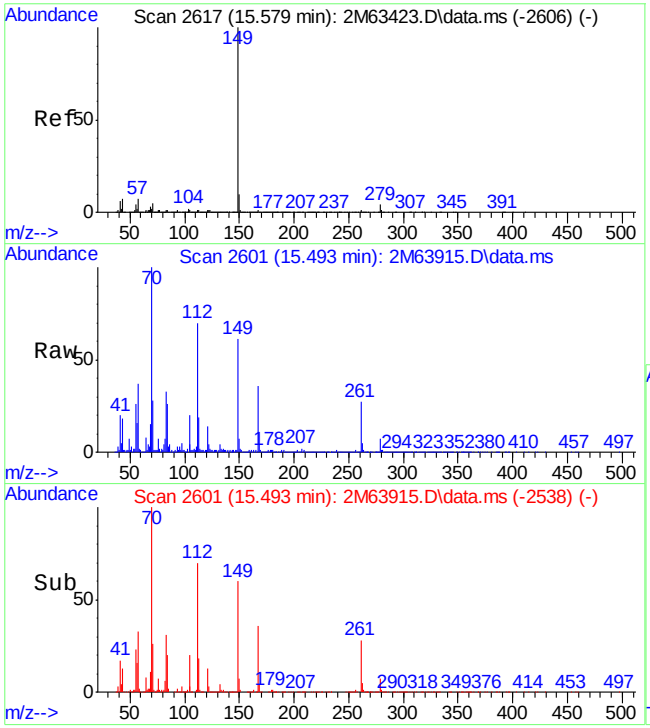


#90
Chrysene
Concen: 2.68 ppb m
RT: 14.338 min Scan# 2385
Delta R.T. -0.224 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:228 Resp: 99644

Ion	Ratio	Lower	Upper
228	100		
226	29.0	0.0	58.9
229	22.9	0.0	49.7

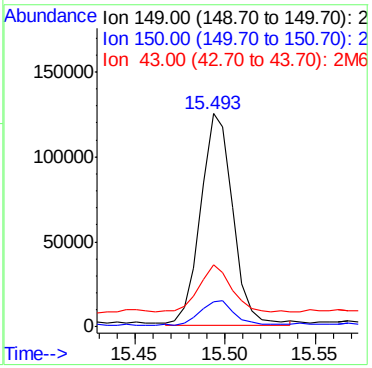


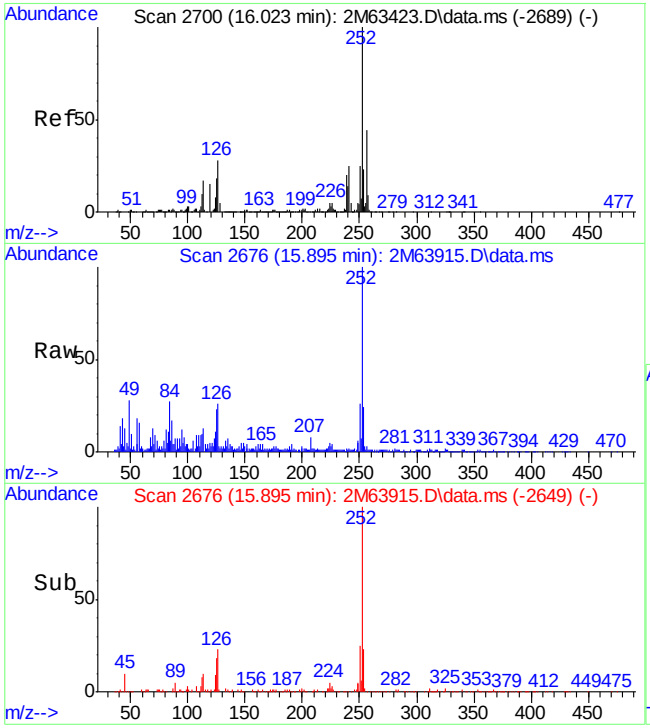


#93
Di-n-octylphthalate
Concen: 3.61 ppb m
RT: 15.493 min Scan# 2601
Delta R.T. -0.166 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:149 Resp: 155354

Ion	Ratio	Lower	Upper
149	100		
150	11.9	0.0	39.7
43	28.9	0.0	37.4

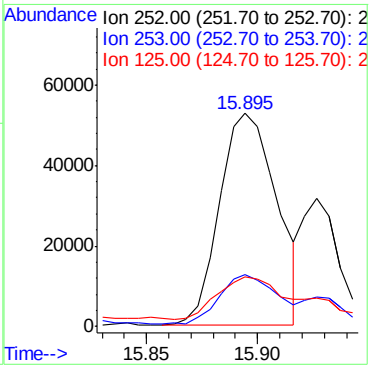


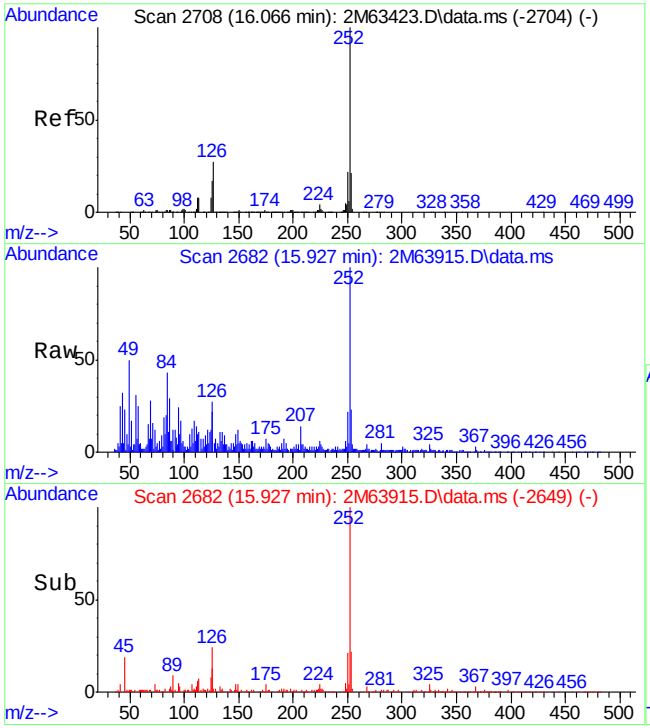


#94
Benzo[b]fluoranthene
Concen: 3.01 ppb
RT: 15.895 min Scan# 2676
Delta R.T. -0.358 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:252 Resp: 94091

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	53.3
125	18.4	0.0	47.9

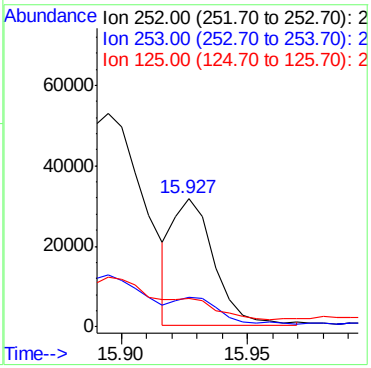


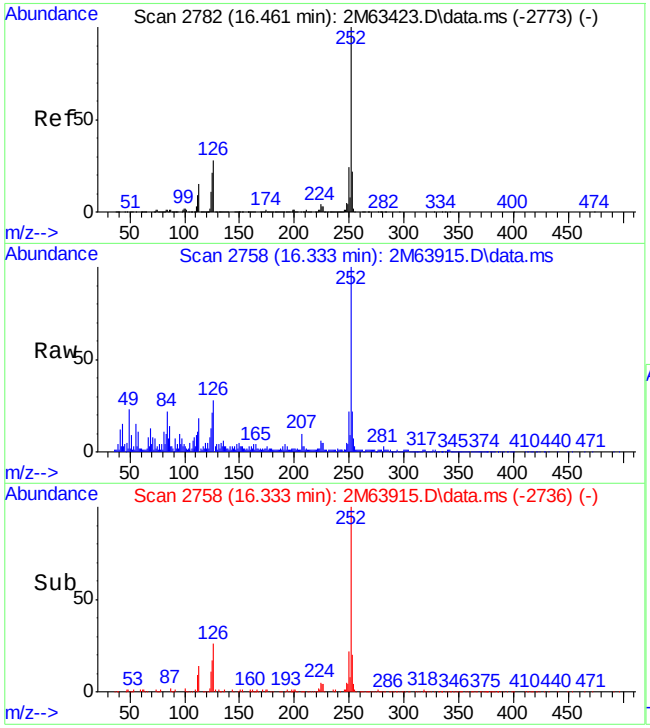


#95
Benzo[k]fluoranthene
Concen: 1.02 ppb m
RT: 15.927 min Scan# 2682
Delta R.T. -0.326 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:252 Resp: 36129

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	51.6
125	22.1	0.0	47.4

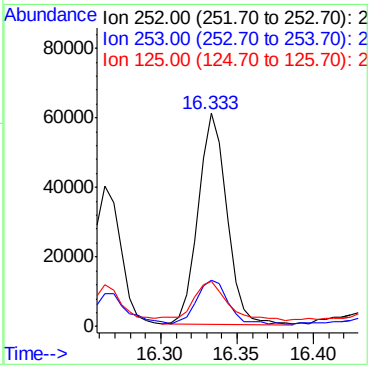


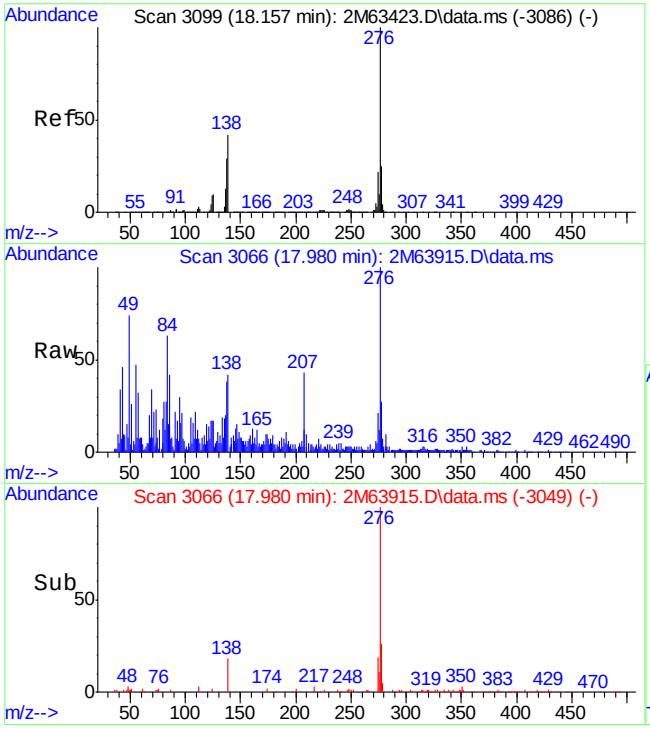


#96
Benzo[a]pyrene
Concen: 2.78 ppb
RT: 16.333 min Scan# 2758
Delta R.T. -0.385 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:252 Resp: 79063

Ion	Ratio	Lower	Upper
252	100		
253	20.3	0.0	52.4
125	17.5	0.0	50.8

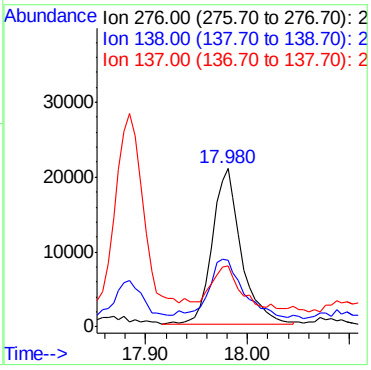


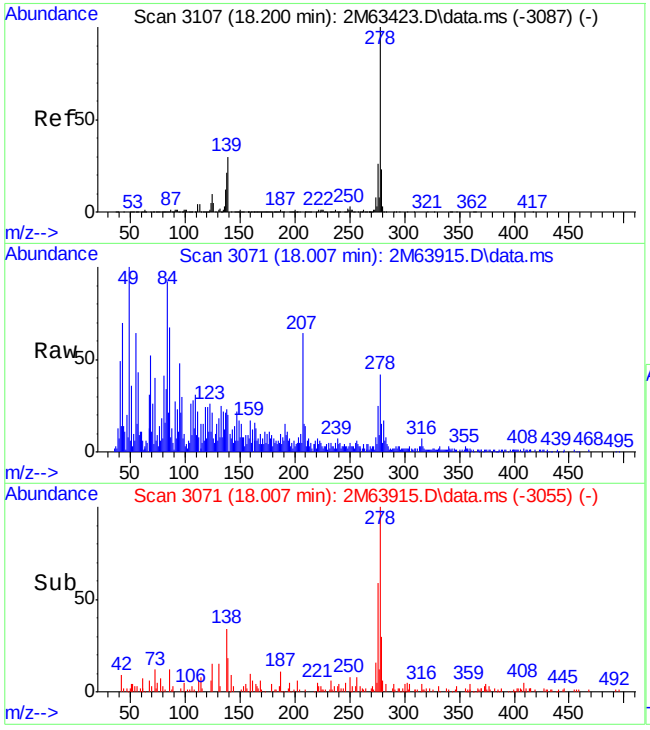


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.24 ppb
RT: 17.980 min Scan# 3066
Delta R.T. -0.412 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:276 Resp: 41112

Ion	Ratio	Lower	Upper
276	100		
138	35.1	11.9	71.9
137	22.4	0.0	58.6

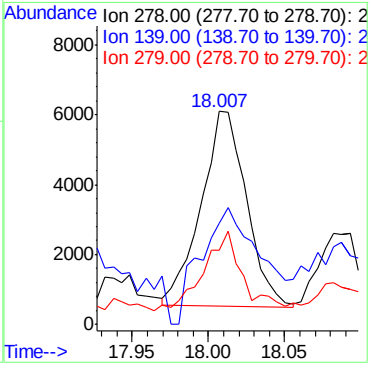


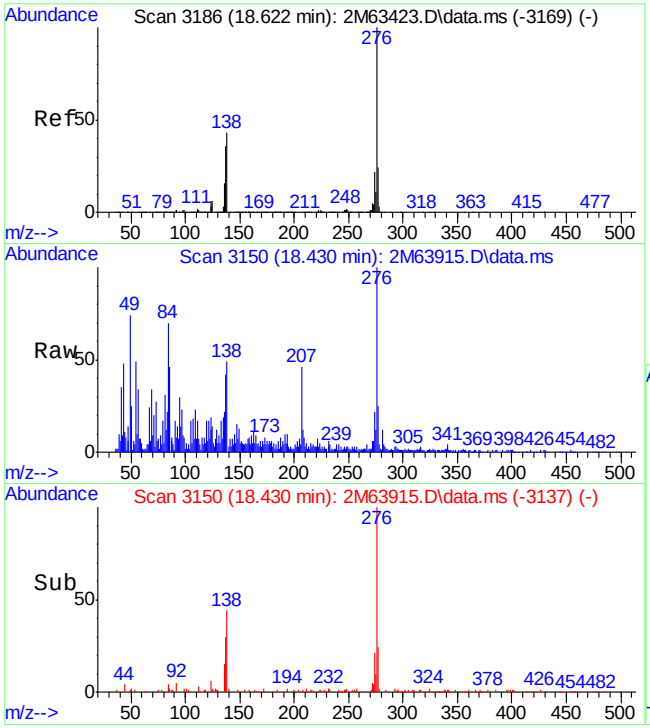


#99
Dibenz[a,h]anthracene
Concen: 0.40 ppb
RT: 18.007 min Scan# 3071
Delta R.T. -0.417 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:278 Resp: 11514

Ion	Ratio	Lower	Upper
278	100		
139	28.8	0.0	59.9
279	28.2	0.0	53.3

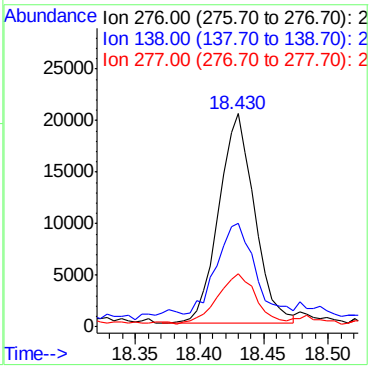




#101
Benzo[g,h,i]perylene
Concen: 1.42 ppb
RT: 18.430 min Scan# 3150
Delta R.T. -0.433 min
Lab File: 2M63915.D
Acq: 28 May 2014 1:31 am

Tgt Ion:276 Resp: 39064

Ion	Ratio	Lower	Upper
276	100		
138	43.1	12.9	72.9
277	22.5	0.0	53.9



Manual Integration Approval Summary

Sample Number: JB67744-2
Lab FileID: 2M63915.D
Injection Time: 05/28/14 01:31
Method: SW846 8270D
Analyst approved: 05/29/14 17:01 Andrew Lee Smith
Supervisor approved: 06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chrysene	218-01-9		14.34	Poor instrument integration
Di-n-octyl phthalate	117-84-0		15.49	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		15.93	Overlapping peak

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63916.D
Acq On : 28 May 2014 1:57 am
Operator : ashleyd
Sample : jb67744-3
Misc : op75114,E2M2711,31.7
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 16:28:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

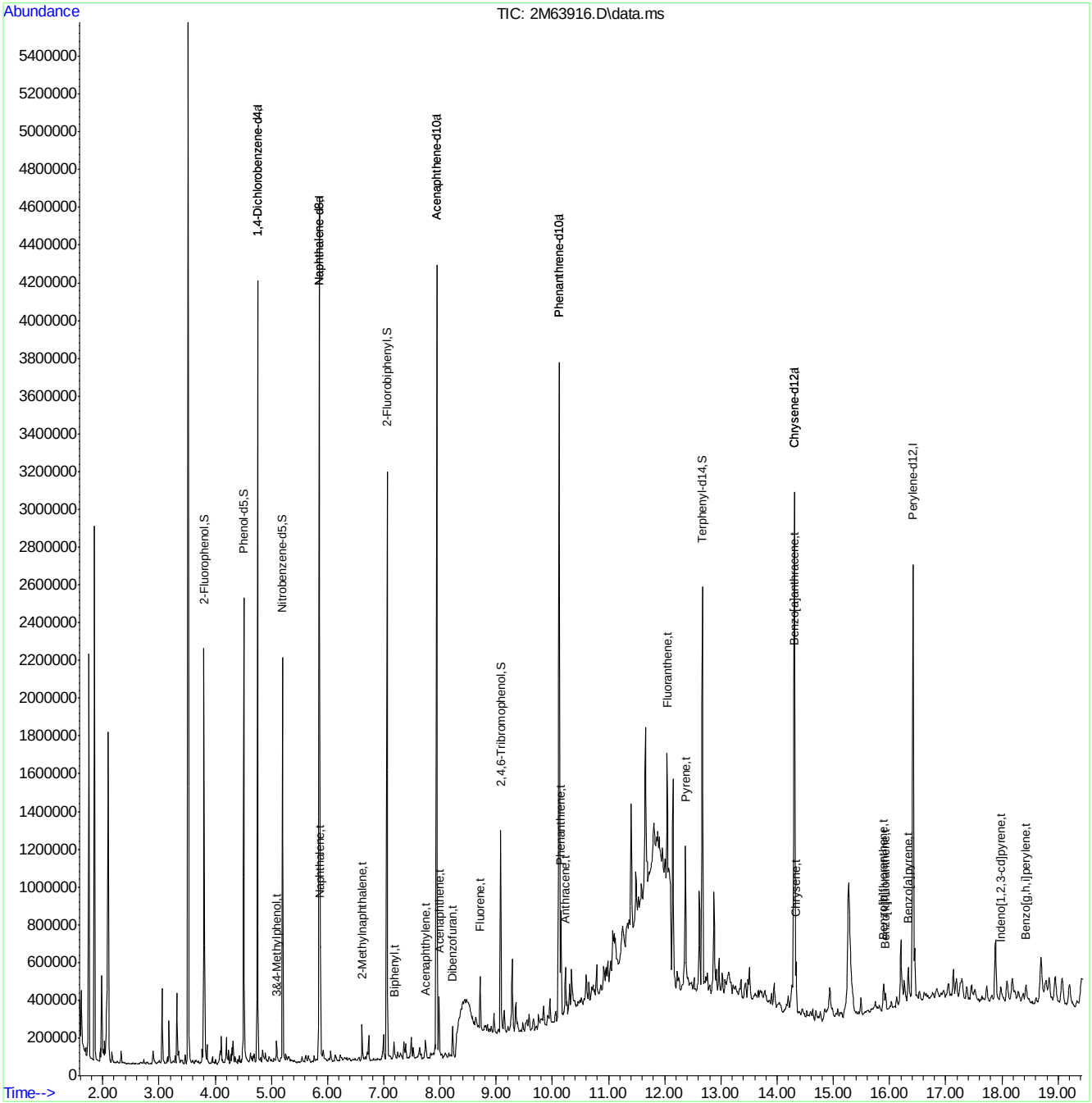
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	528318	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2081431	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1149857	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1702599	40.00	ppb	-0.12
83) Chrysene-d12	14.306	240	1266775	40.00	ppb	-0.21
92) Perylene-d12	16.419	264	1076634	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	528318	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1149857	40.00	ppb	-0.10
106) Chrysene-d12a	14.306	240	1266775	40.00	ppb	-0.21
108) Phenanthrene-d10a	10.123	188	1702599	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2081431	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.801	112	607702	31.04	ppb	-0.04
Spiked Amount 50.000			Recovery =	62.08%		
8) Phenol-d5	4.507	99	794154	32.94	ppb	-0.04
Spiked Amount 50.000			Recovery =	65.88%		
25) Nitrobenzene-d5	5.197	82	599977	32.23	ppb	-0.07
Spiked Amount 50.000			Recovery =	64.46%		
51) 2-Fluorobiphenyl	7.058	172	1167533	33.14	ppb	-0.09
Spiked Amount 50.000			Recovery =	66.28%		
73) 2,4,6-Tribromophenol	9.080	330	109658	43.88	ppb	-0.11
Spiked Amount 50.000			Recovery =	87.76%		
85) Terphenyl-d14	12.669	244	877412	34.62	ppb	-0.17
Spiked Amount 50.000			Recovery =	69.24%		
Target Compounds						Qvalue
21) 3&4-Methylphenol	5.090	108	29410	1.60	ppb	99
38) Naphthalene	5.876	128	246630	4.19	ppb	99
44) 2-Methylnaphthalene	6.615	141	48269	1.50	ppb	94
53) Biphenyl	7.181	154	30770	0.63	ppb	96
56) Acenaphthylene	7.743	152	38250	0.68	ppb	95
59) Acenaphthene	7.984	153	88615	2.56	ppb	97
62) Dibenzofuran	8.224	168	77422	1.71	ppb	96
66) Fluorene	8.717	166	85258	2.36	ppb	97
77) Phenanthrene	10.155	178	263564	5.08	ppb	99
78) Anthracene	10.236	178	140175	2.73	ppb	97
81) Fluoranthene	12.043	202	303822	6.64	ppb	96
84) Pyrene	12.370	202	297467	6.42	ppb	97
88) Benzo[a]anthracene	14.290	228	97515	2.78	ppb	98
90) Chrysene	14.338	228	93364	2.61	ppb	98
94) Benzo[b]fluoranthene	15.894	252	83909	2.76	ppb	97
95) Benzo[k]fluoranthene	15.927	252	34189m	0.99	ppb	
96) Benzo[a]pyrene	16.333	252	69084	2.50	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.980	276	33230	1.03	ppb	96
101) Benzo[g,h,i]perylene	18.430	276	34846	1.30	ppb	90

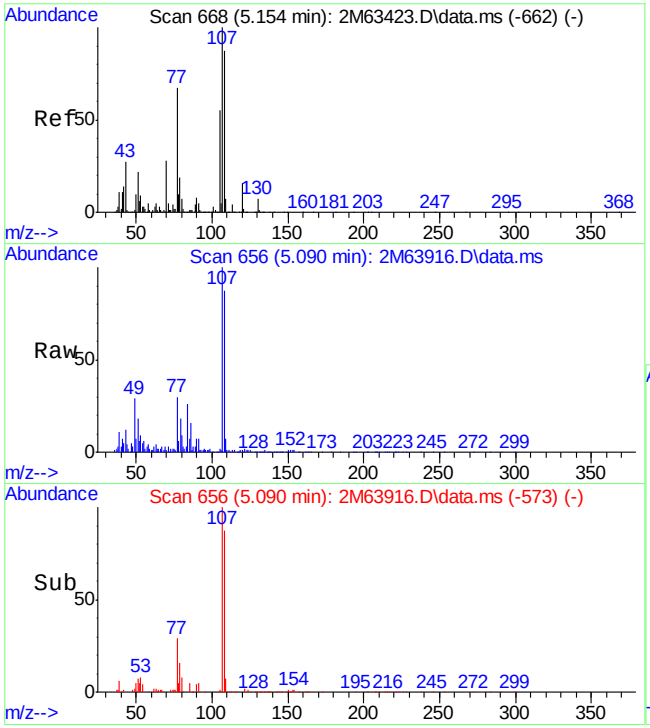
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63916.D
Acq On : 28 May 2014 1:57 am
Operator : ashleyd
Sample : jb67744-3
Misc : op75114,E2M2711,31.7
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 16:28:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

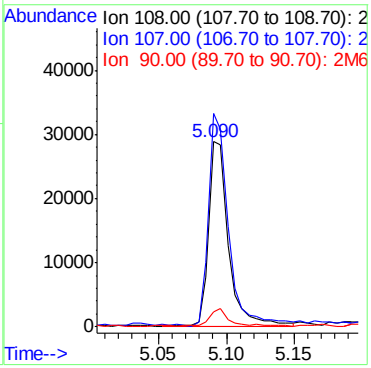


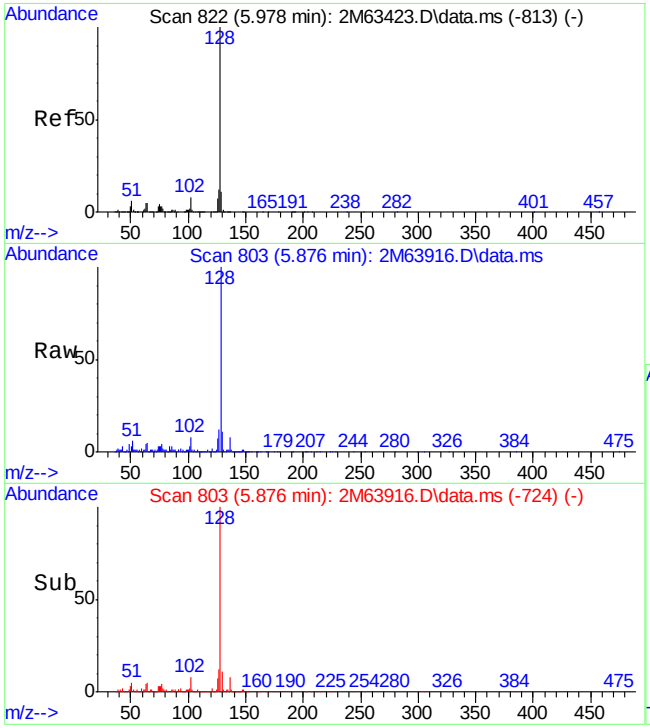


#21
3&4-Methylphenol
Concen: 1.60 ppb
RT: 5.090 min Scan# 656
Delta R.T. -0.059 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:108 Resp: 29410

Ion	Ratio	Lower	Upper
108	100		
107	114.5	85.5	145.5
90	7.7	0.0	39.1

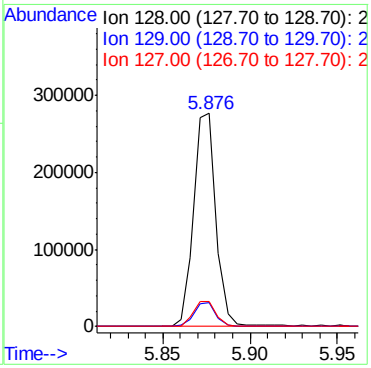


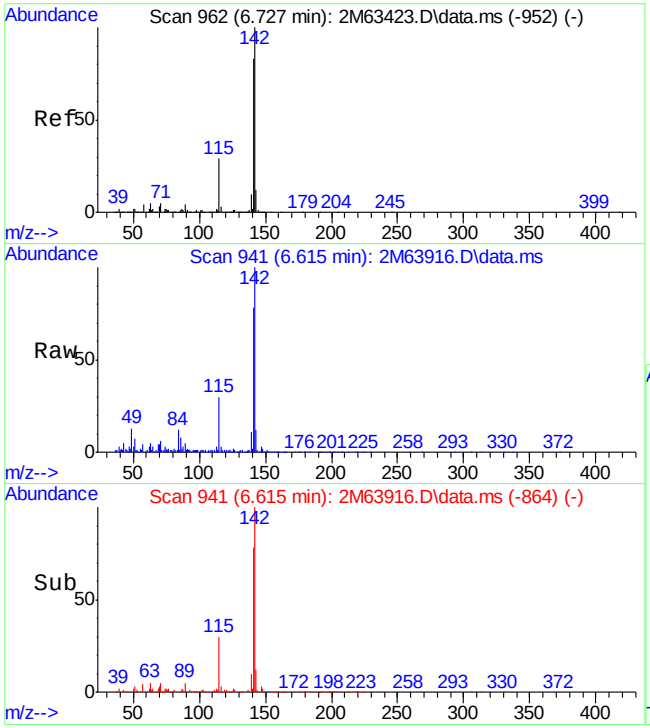


#38
Naphthalene
Concen: 4.19 ppb
RT: 5.876 min Scan# 803
Delta R.T. -0.080 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:128 Resp: 246630

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.9
127	11.6	0.0	42.2

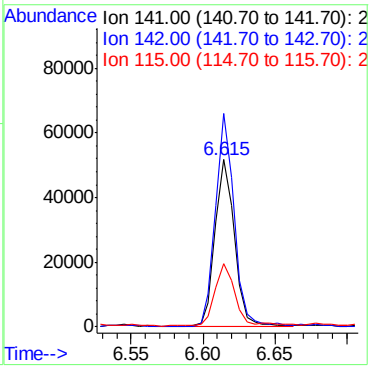


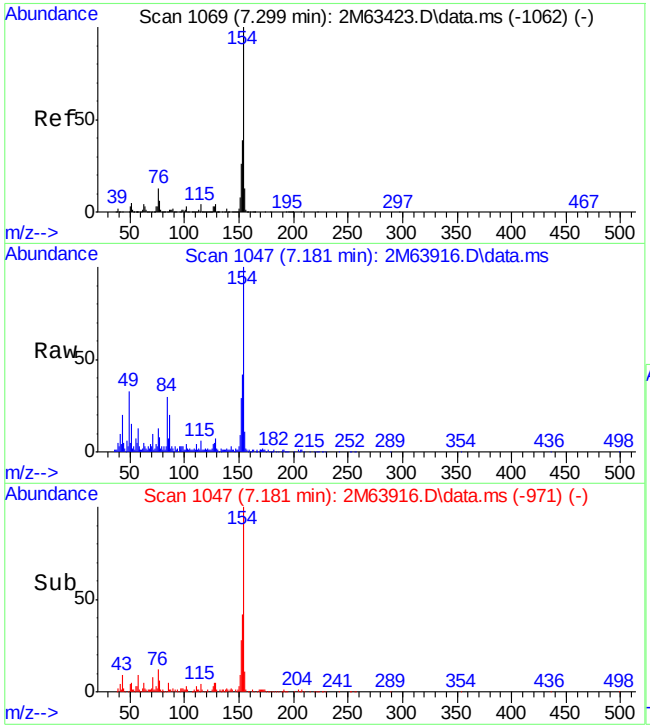


#44
2-Methylnaphthalene
Concen: 1.50 ppb
RT: 6.615 min Scan# 941
Delta R.T. -0.091 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:141 Resp: 48269

Ion	Ratio	Lower	Upper
141	100		
142	127.7	90.4	150.4
115	37.3	5.3	65.3

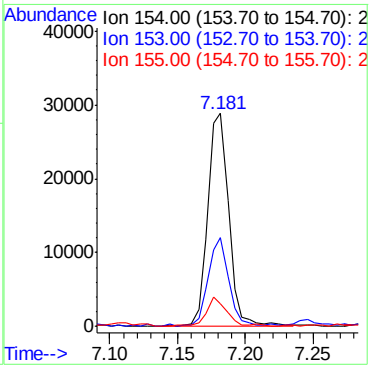


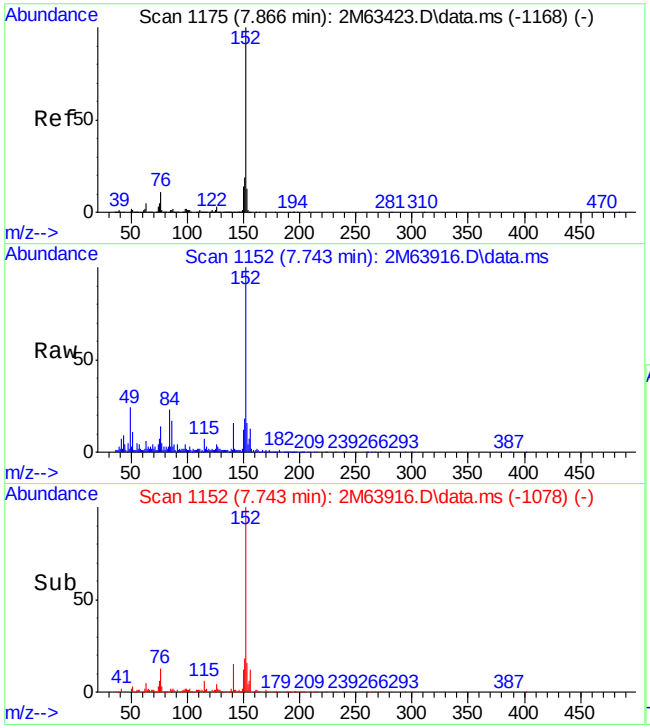


#53
Biphenyl
Concen: 0.63 ppb
RT: 7.181 min Scan# 1047
Delta R.T. -0.096 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:154 Resp: 30770

Ion	Ratio	Lower	Upper
154	100		
153	40.9	8.6	68.6
155	10.6	0.0	43.1

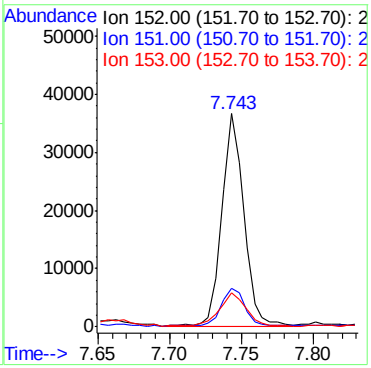


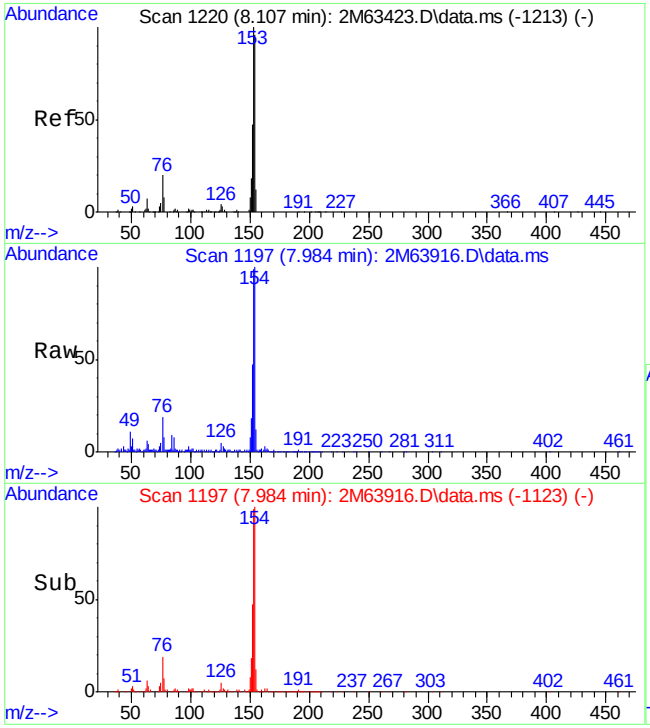


#56
Acenaphthylene
Concen: 0.68 ppb
RT: 7.743 min Scan# 1152
Delta R.T. -0.107 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:152 Resp: 38250

Ion	Ratio	Lower	Upper
152	100		
151	17.7	0.0	49.1
153	15.6	0.0	42.6

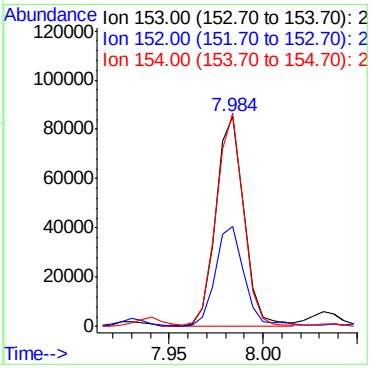


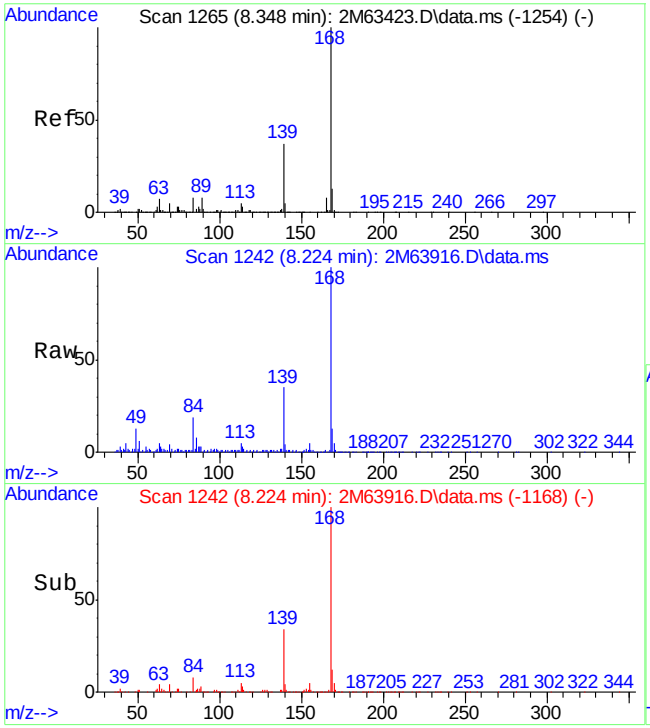


#59
Acenaphthene
Concen: 2.56 ppb
RT: 7.984 min Scan# 1197
Delta R.T. -0.107 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:153 Resp: 88615

Ion	Ratio	Lower	Upper
153	100		
152	47.4	17.5	77.5
154	101.0	66.3	126.3

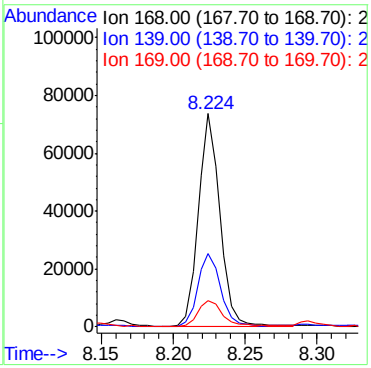


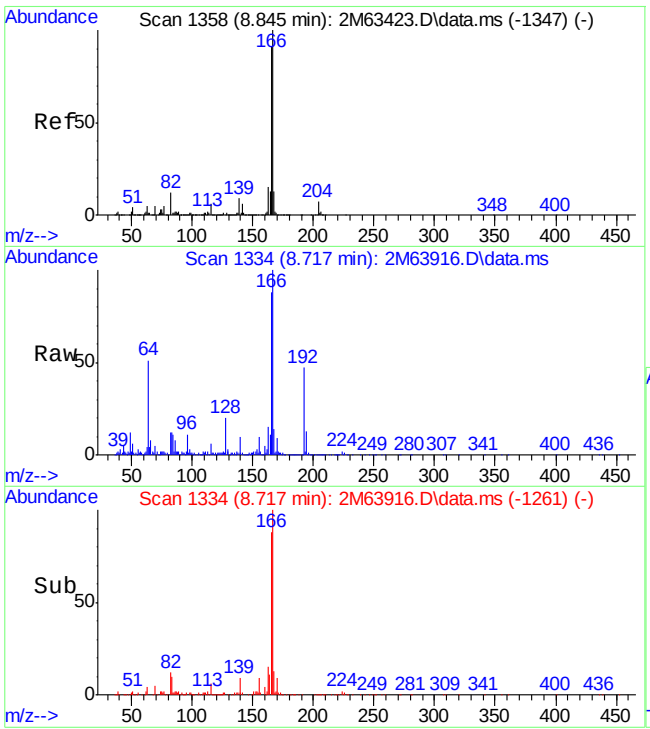


#62
Dibenzofuran
Concen: 1.71 ppb
RT: 8.224 min Scan# 1242
Delta R.T. -0.107 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:168 Resp: 77422

Ion	Ratio	Lower	Upper
168	100		
139	34.2	7.0	67.0
169	12.1	0.0	43.3

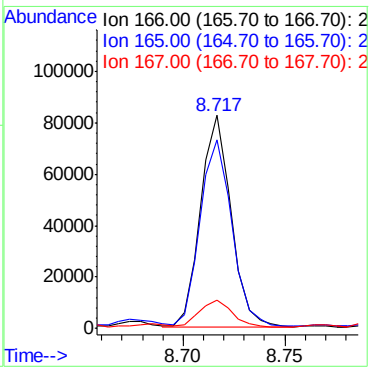


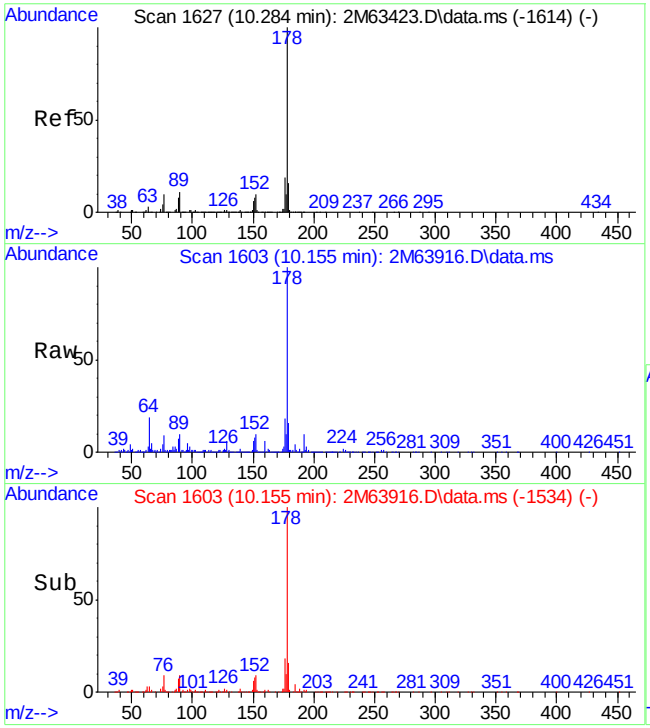


#66
Fluorene
Concen: 2.36 ppb
RT: 8.717 min Scan# 1334
Delta R.T. -0.112 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:166 Resp: 85258

Ion	Ratio	Lower	Upper
166	100		
165	87.6	60.6	120.6
167	12.4	0.0	43.1

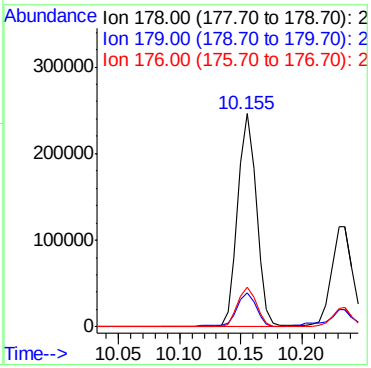


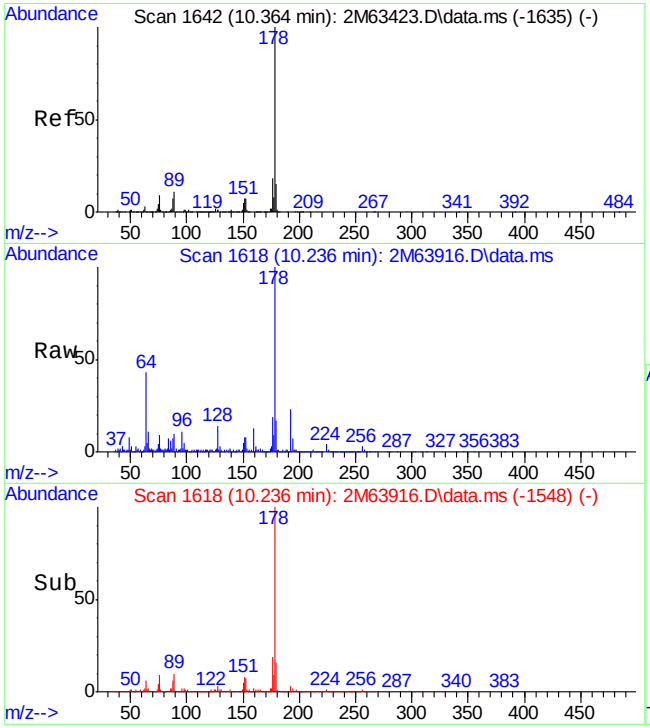


#77
Phenanthrene
Concen: 5.08 ppb
RT: 10.155 min Scan# 1603
Delta R.T. -0.134 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:178 Resp: 263564

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.5
176	18.2	0.0	48.7

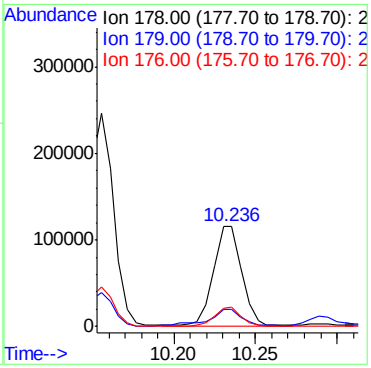


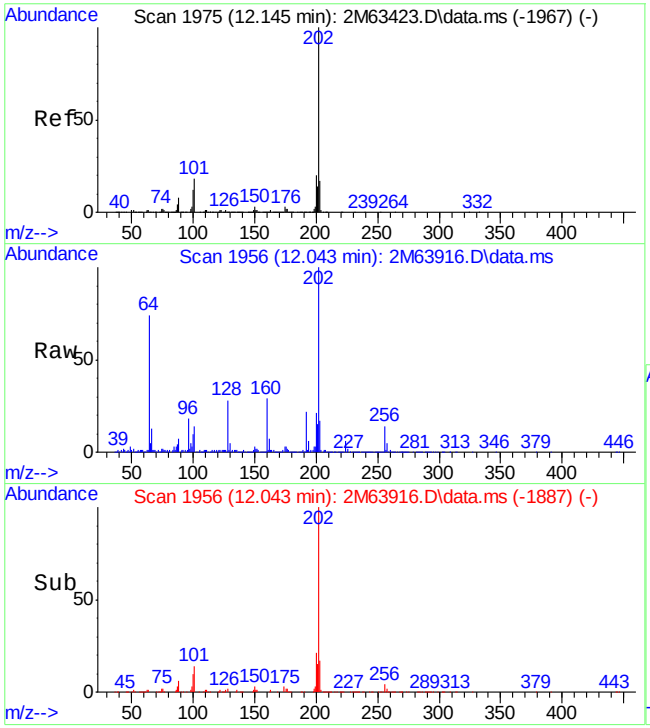


#78
Anthracene
Concen: 2.73 ppb
RT: 10.236 min Scan# 1618
Delta R.T. -0.128 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:178 Resp: 140175

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.0
176	19.0	0.0	47.6

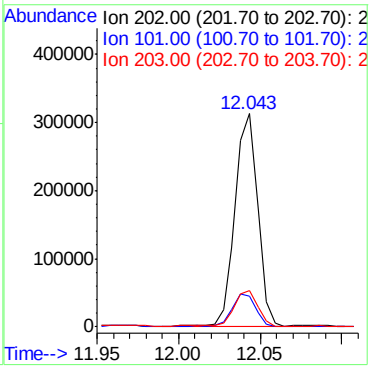


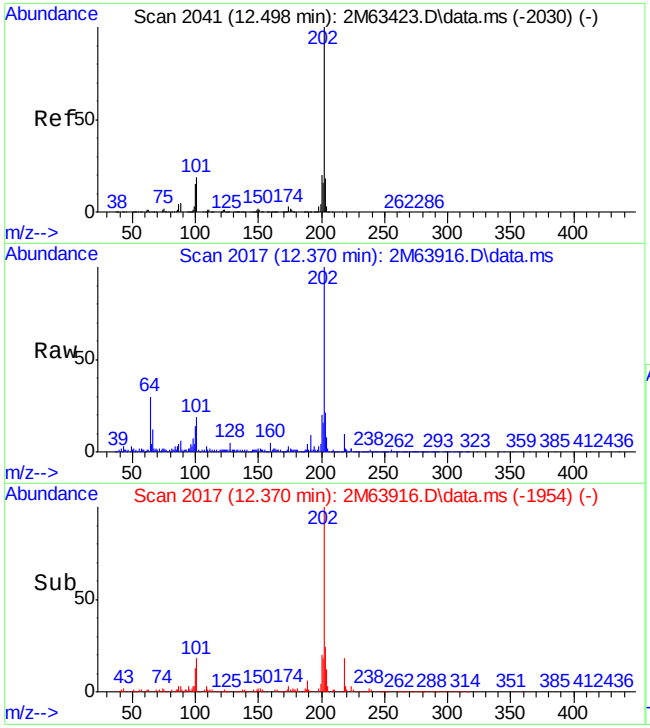


#81
Fluoranthene
Concen: 6.64 ppb
RT: 12.043 min Scan# 1956
Delta R.T. -0.134 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:202 Resp: 303822

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	47.5
203	16.9	0.0	47.3

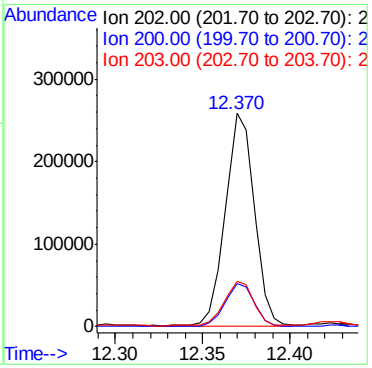


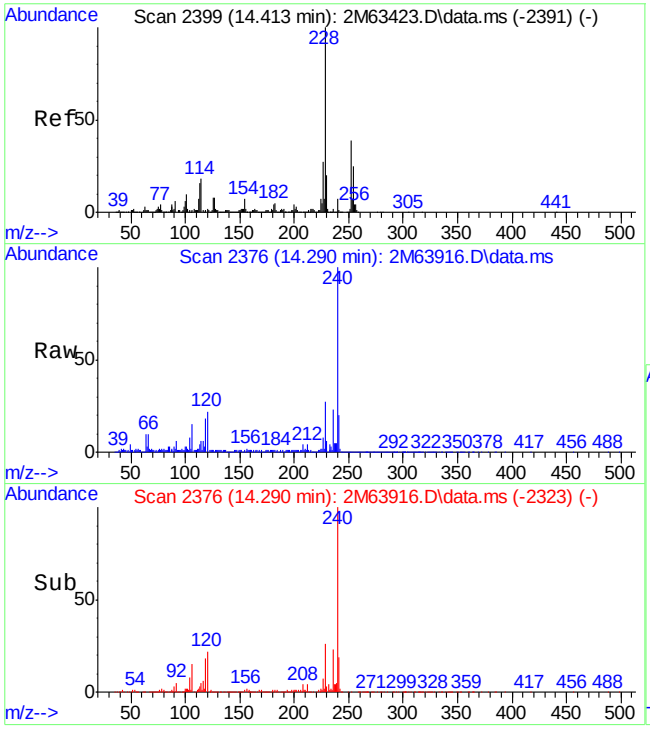


#84
Pyrene
Concen: 6.42 ppb
RT: 12.370 min Scan# 2017
Delta R.T. -0.166 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:202 Resp: 297467

Ion	Ratio	Lower	Upper
202	100		
200	20.2	0.0	50.2
203	21.0	0.0	47.9

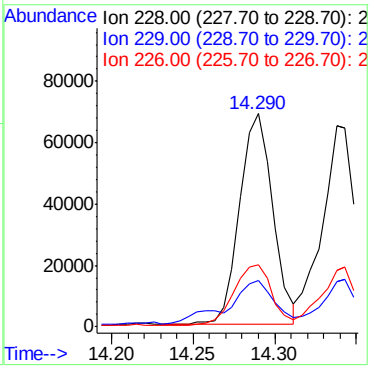


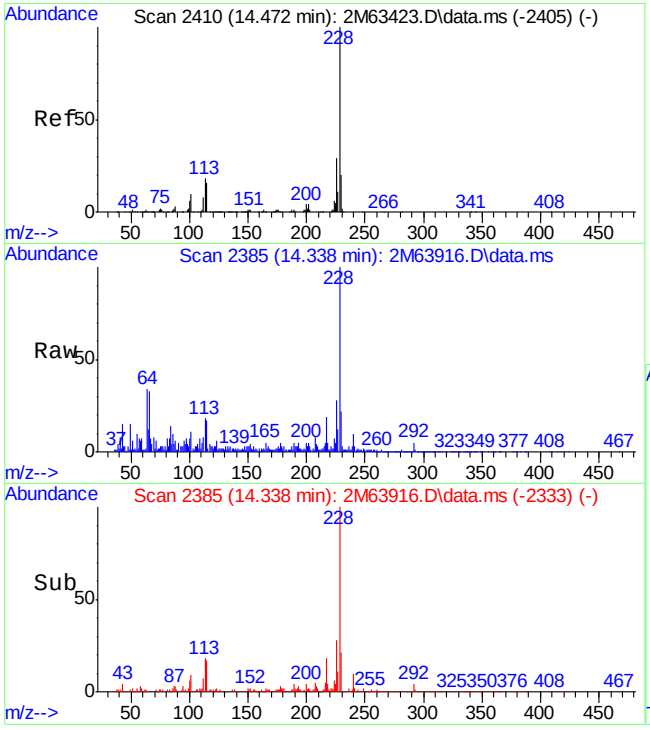


#88
Benzo[a]anthracene
Concen: 2.78 ppb
RT: 14.290 min Scan# 2376
Delta R.T. -0.219 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:228 Resp: 97515

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.6
226	28.6	0.0	57.0

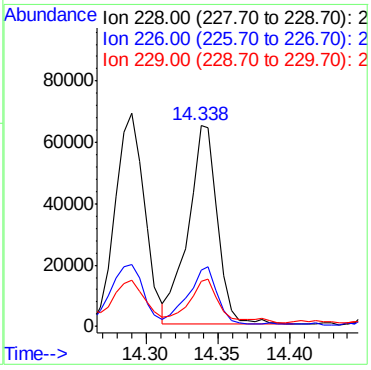


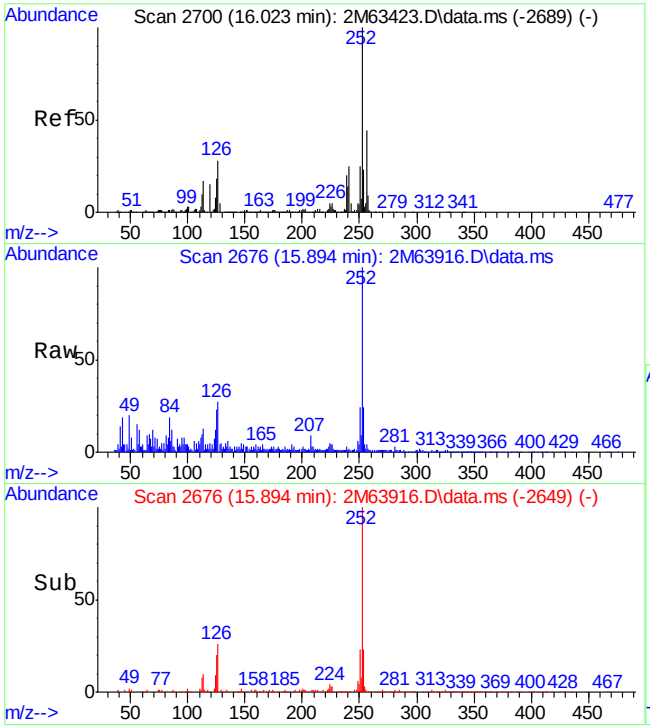


#90
Chrysene
Concen: 2.61 ppb
RT: 14.338 min Scan# 2385
Delta R.T. -0.225 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:228 Resp: 93364

Ion	Ratio	Lower	Upper
228	100		
226	27.6	0.0	58.9
229	20.1	0.0	49.7

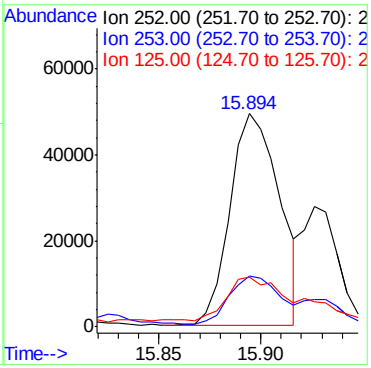


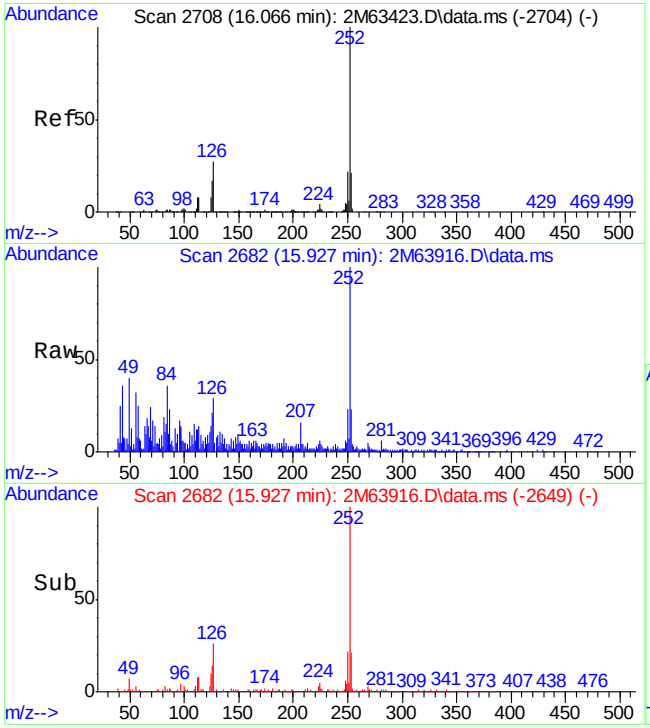


#94
Benzo[b]fluoranthene
Concen: 2.76 ppb
RT: 15.894 min Scan# 2676
Delta R.T. -0.358 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:252 Resp: 83909

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	53.3
125	20.2	0.0	47.9

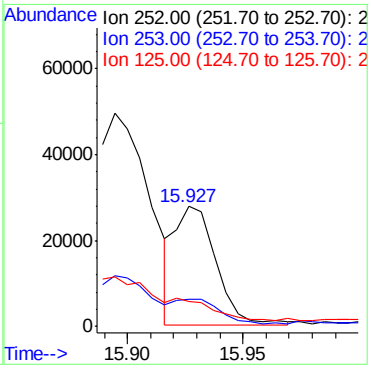


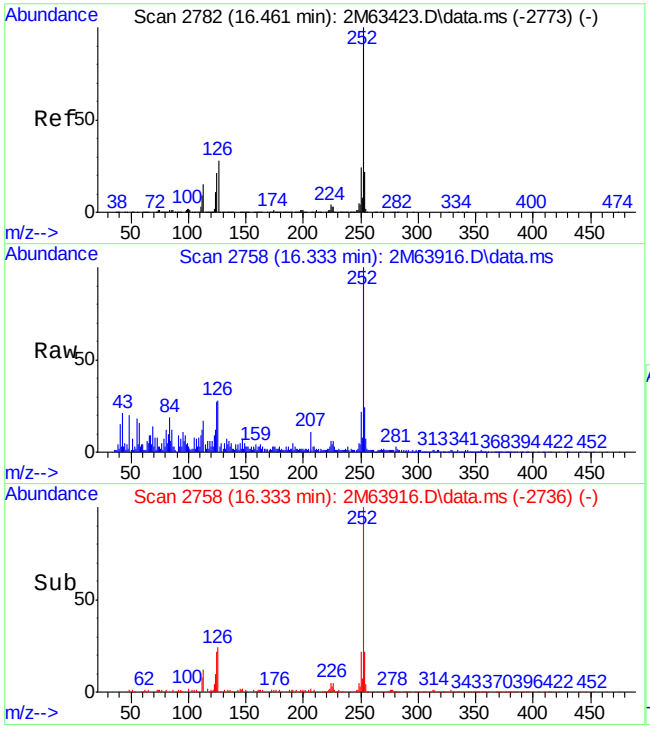


#95
Benzo[k]fluoranthene
Concen: 0.99 ppb m
RT: 15.927 min Scan# 2682
Delta R.T. -0.326 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:252 Resp: 34189

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	51.6
125	20.7	0.0	47.4

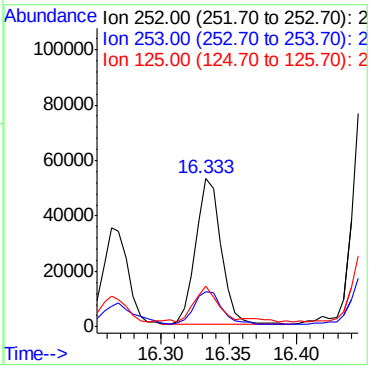


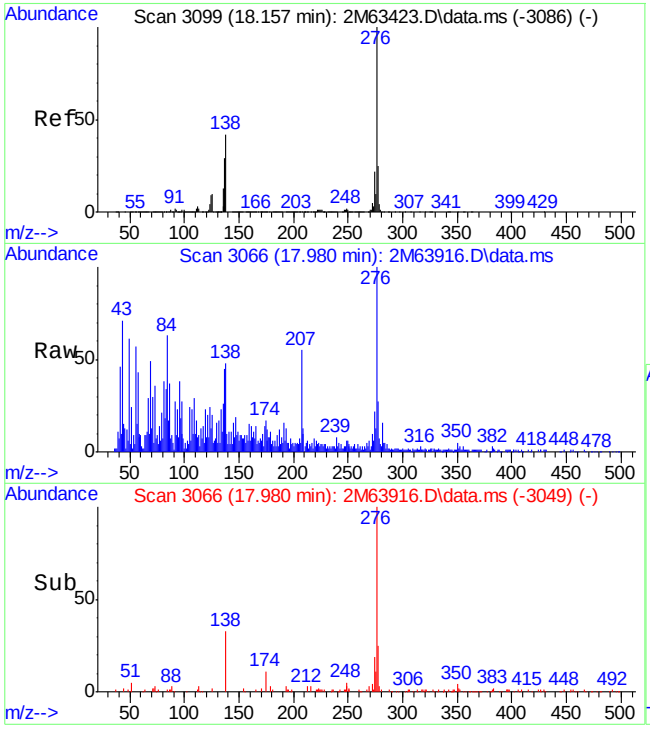


#96
Benzo[a]pyrene
Concen: 2.50 ppb
RT: 16.333 min Scan# 2758
Delta R.T. -0.385 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:252 Resp: 69084

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.4
125	23.9	0.0	50.8

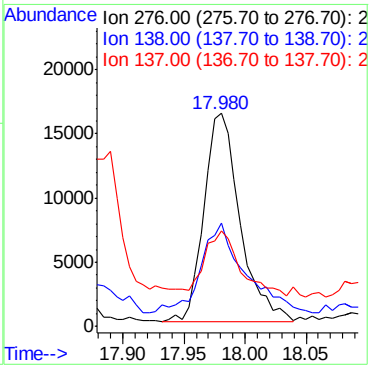


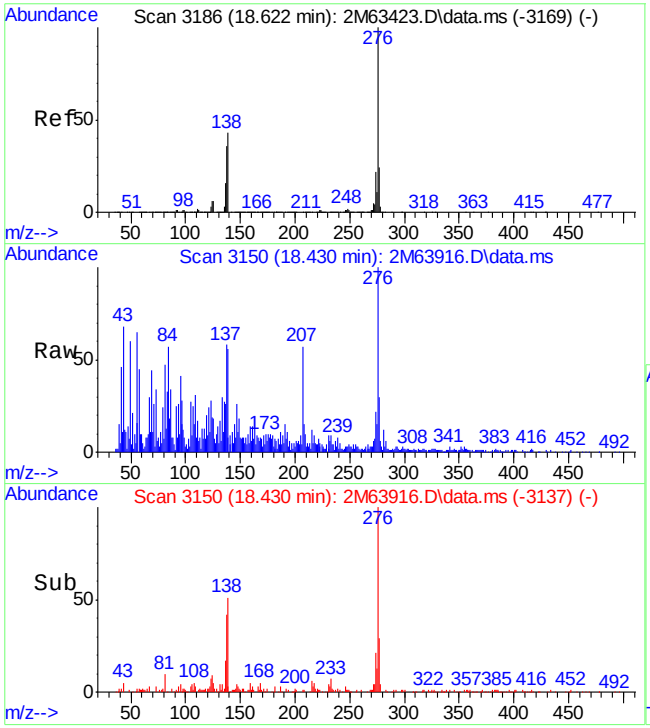


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.03 ppb
RT: 17.980 min Scan# 3066
Delta R.T. -0.412 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:276 Resp: 33230

Ion	Ratio	Lower	Upper
276	100		
138	39.6	11.9	71.9
137	26.8	0.0	58.6

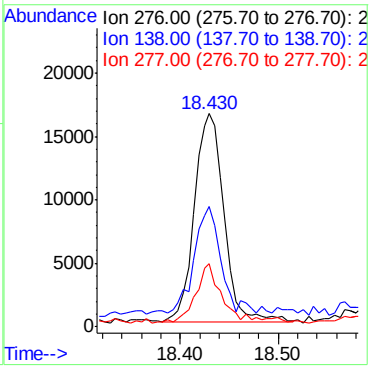




#101
Benzo[g,h,i]perylene
Concen: 1.30 ppb
RT: 18.430 min Scan# 3150
Delta R.T. -0.433 min
Lab File: 2M63916.D
Acq: 28 May 2014 1:57 am

Tgt Ion:276 Resp: 34846

Ion	Ratio	Lower	Upper
276	100		
138	49.6	12.9	72.9
277	28.3	0.0	53.9



Manual Integration Approval Summary

Sample Number:	JB67744-3	**Method:**	SW846 8270D
Lab FileID:	2M63916.D	**Analyst approved:**	05/29/14 17:01 Andrew Lee Smith
Injection Time:	05/28/14 01:57	**Supervisor approved:**	06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		15.93	Overlapping peak

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63917.D
Acq On : 28 May 2014 2:22 am
Operator : ashleyd
Sample : jb67744-4
Misc : op75114,E2M2711,31.9
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 16:29:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

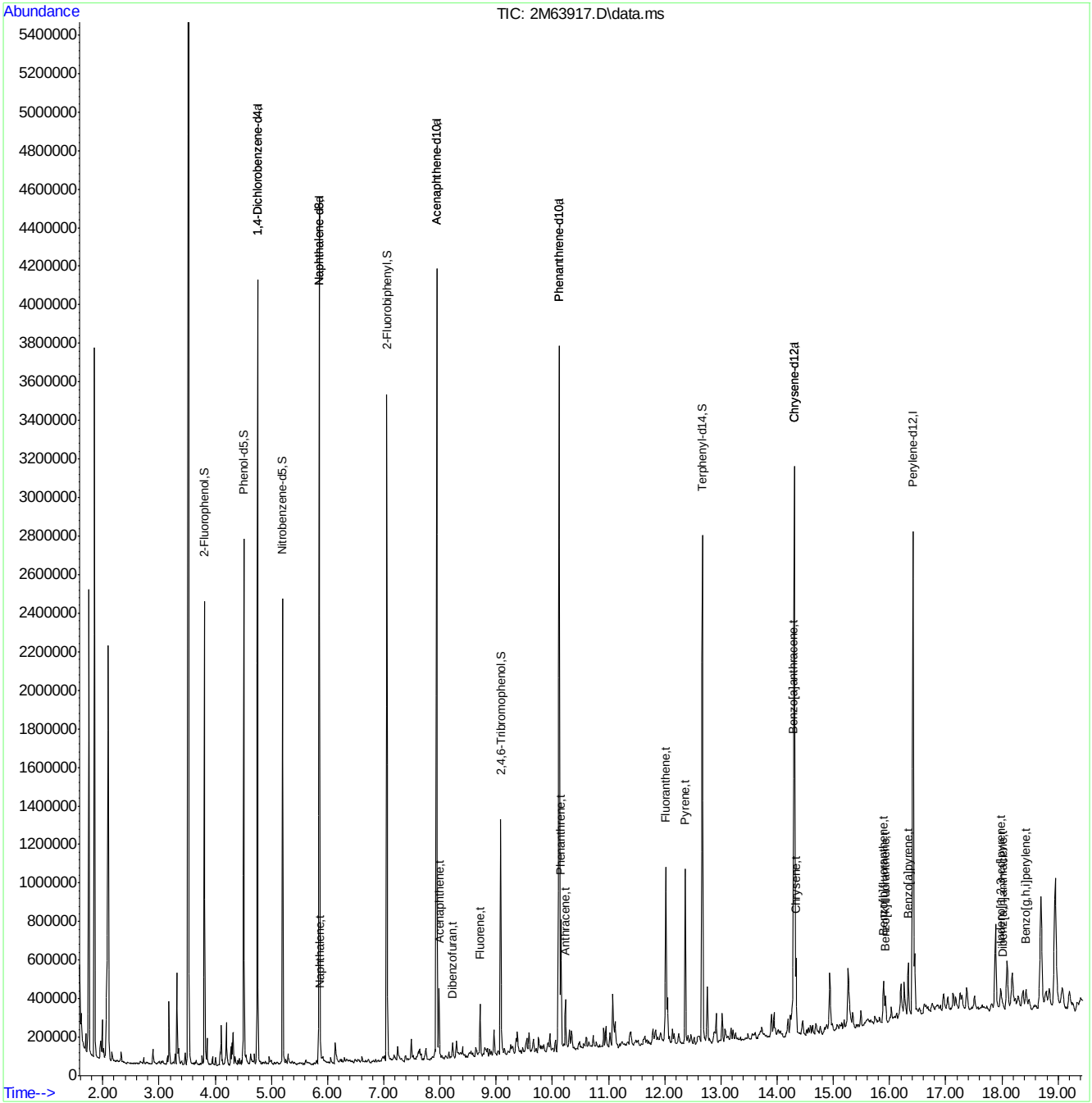
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	524983	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2055162	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1159817	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1766929	40.00	ppb	-0.12
83) Chrysene-d12	14.306	240	1375718	40.00	ppb	-0.21
92) Perylene-d12	16.419	264	1146784	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	524983	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1159817	40.00	ppb	-0.10
106) Chrysene-d12a	14.306	240	1375718	40.00	ppb	-0.21
108) Phenanthrene-d10a	10.123	188	1766929	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2055162	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.807	112	679866	34.94	ppb	-0.04
Spiked Amount 50.000			Recovery =	69.88%		
8) Phenol-d5	4.507	99	882645	36.85	ppb	-0.04
Spiked Amount 50.000			Recovery =	73.70%		
25) Nitrobenzene-d5	5.197	82	689023	37.49	ppb	-0.07
Spiked Amount 50.000			Recovery =	74.98%		
51) 2-Fluorobiphenyl	7.058	172	1304677	36.71	ppb	-0.09
Spiked Amount 50.000			Recovery =	73.42%		
73) 2,4,6-Tribromophenol	9.080	330	124851	48.14	ppb	-0.11
Spiked Amount 50.000			Recovery =	96.28%		
85) Terphenyl-d14	12.669	244	1082494	39.33	ppb	-0.17
Spiked Amount 50.000			Recovery =	78.66%		
Target Compounds						Qvalue
38) Naphthalene	5.876	128	33595	0.58	ppb	100
59) Acenaphthene	7.984	153	100440	2.88	ppb	98
62) Dibenzofuran	8.224	168	32921	0.72	ppb	94
66) Fluorene	8.717	166	76790	2.11	ppb	99
77) Phenanthrene	10.155	178	299310	5.56	ppb	98
78) Anthracene	10.230	178	128281	2.40	ppb	99
81) Fluoranthene	12.017	202	442216	9.32	ppb	97
84) Pyrene	12.364	202	407656	8.10	ppb	97
88) Benzo[a]anthracene	14.284	228	142987	3.75	ppb	96
90) Chrysene	14.338	228	135478	3.49	ppb	97
94) Benzo[b]fluoranthene	15.894	252	133472	4.12	ppb	98
95) Benzo[k]fluoranthene	15.927	252	51090m	1.39	ppb	
96) Benzo[a]pyrene	16.333	252	118470	4.03	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.980	276	61165	1.78	ppb	96
99) Dibenz[a,h]anthracene	18.012	278	15659	0.53	ppb	86
101) Benzo[g,h,i]perylene	18.430	276	58558	2.05	ppb	95

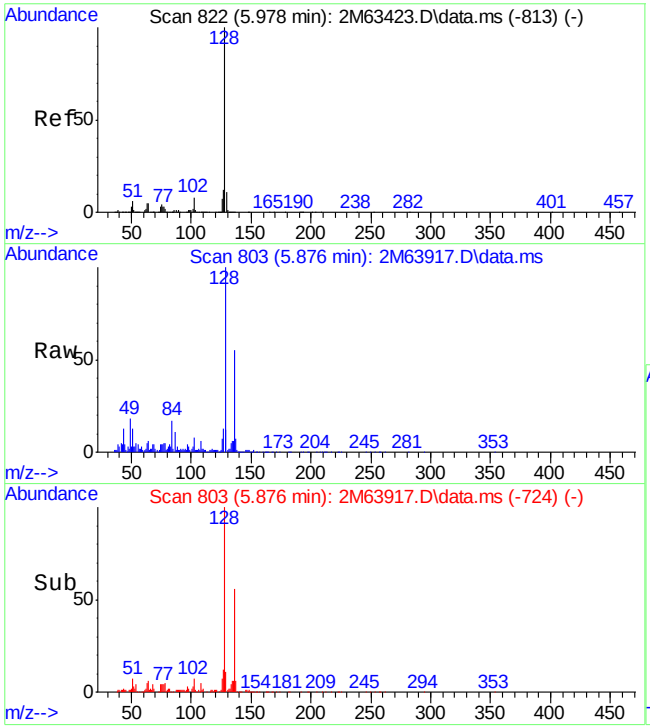
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63917.D
Acq On : 28 May 2014 2:22 am
Operator : ashleyd
Sample : jb67744-4
Misc : op75114,E2M2711,31.9
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 16:29:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

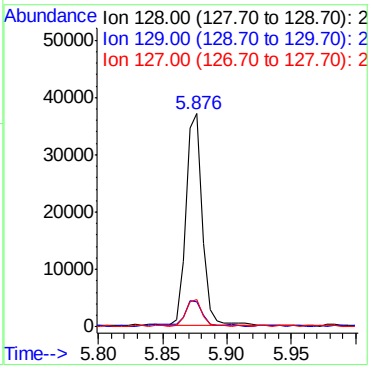


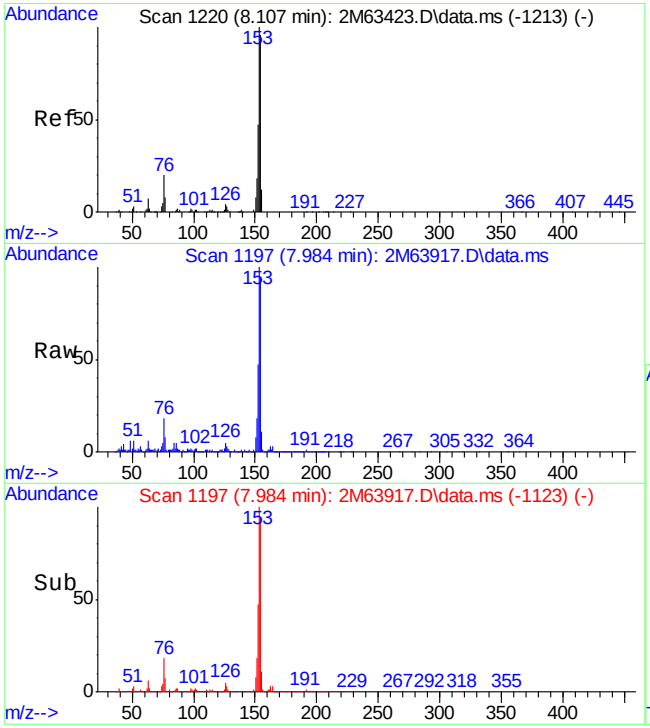


#38
Naphthalene
Concen: 0.58 ppb
RT: 5.876 min Scan# 803
Delta R.T. -0.080 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:128 Resp: 33595

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.9
127	12.0	0.0	42.2

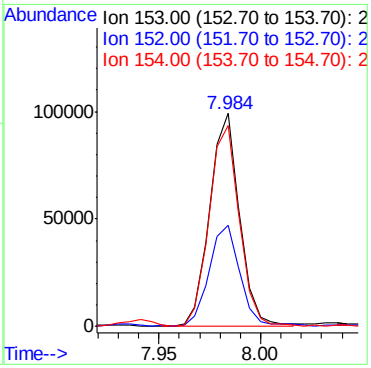


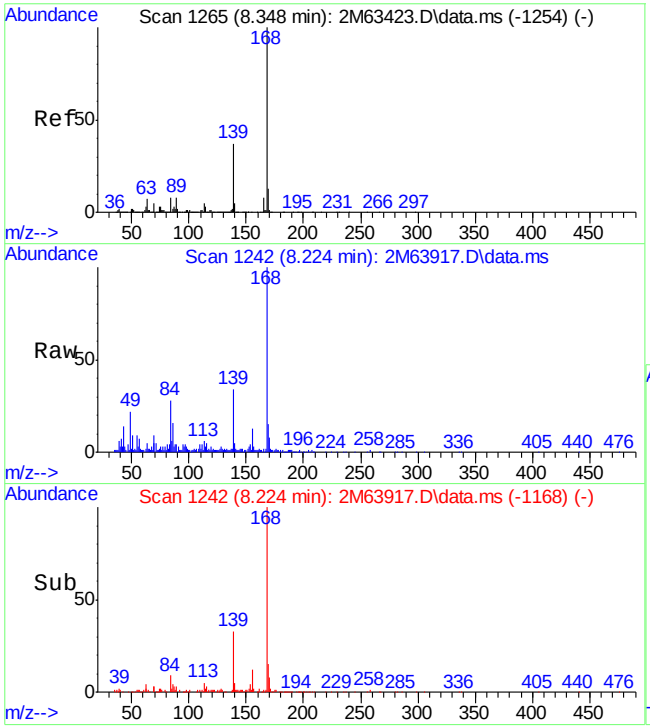


#59
Acenaphthene
Concen: 2.88 ppb
RT: 7.984 min Scan# 1197
Delta R.T. -0.107 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:153 Resp: 100440

Ion	Ratio	Lower	Upper
153	100		
152	46.9	17.5	77.5
154	94.0	66.3	126.3

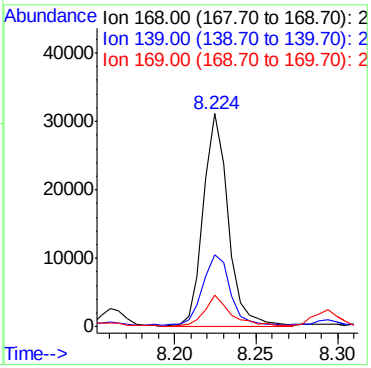


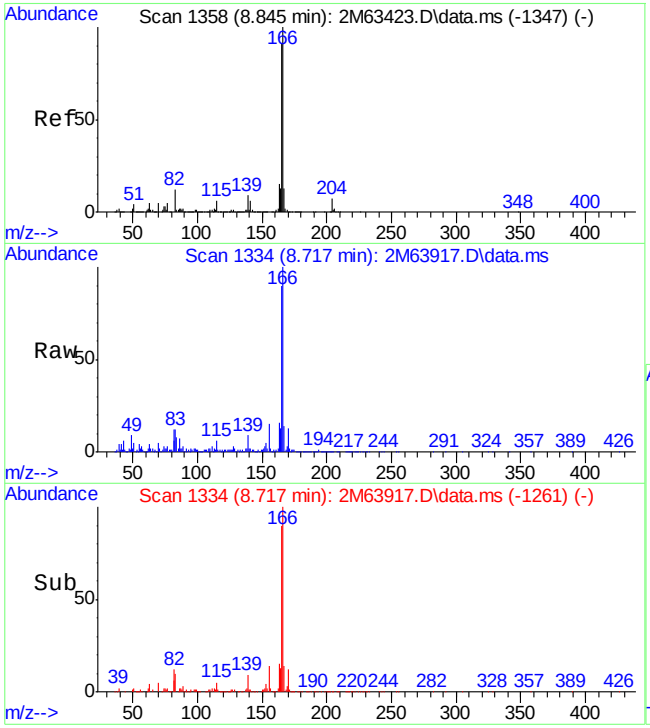


#62
Dibenzofuran
Concen: 0.72 ppb
RT: 8.224 min Scan# 1242
Delta R.T. -0.107 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:168 Resp: 32921

Ion	Ratio	Lower	Upper
168	100		
139	33.1	7.0	67.0
169	14.6	0.0	43.3

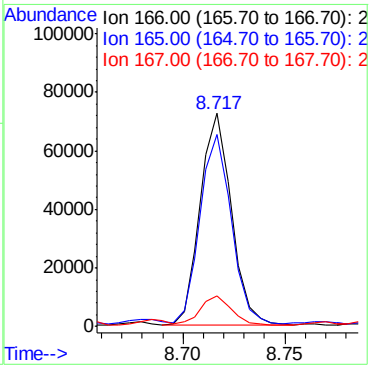


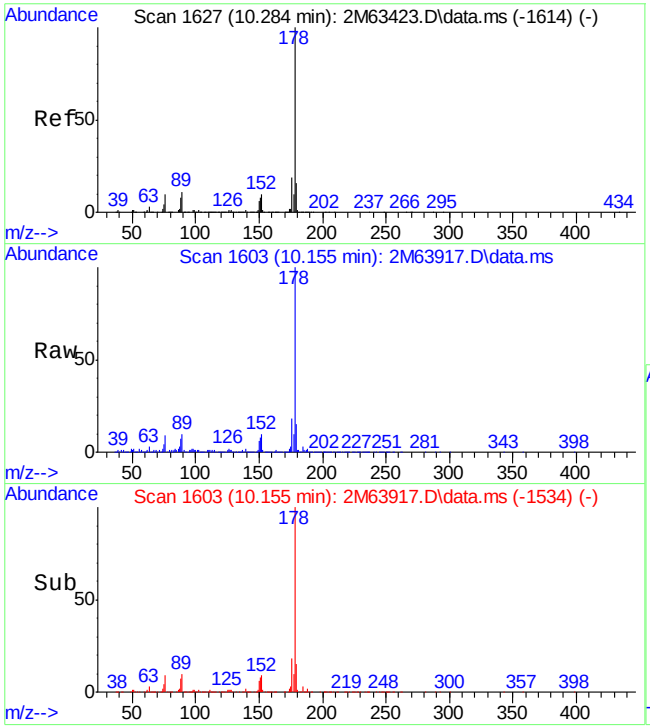


#66
Fluorene
Concen: 2.11 ppb
RT: 8.717 min Scan# 1334
Delta R.T. -0.112 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:166 Resp: 76790

Ion	Ratio	Lower	Upper
166	100		
165	89.1	60.6	120.6
167	12.8	0.0	43.1

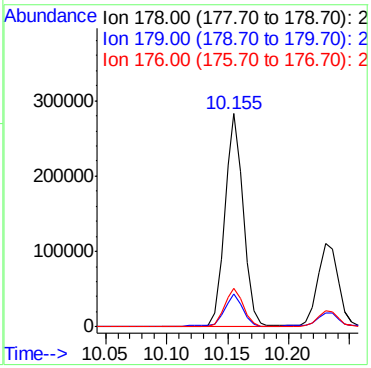


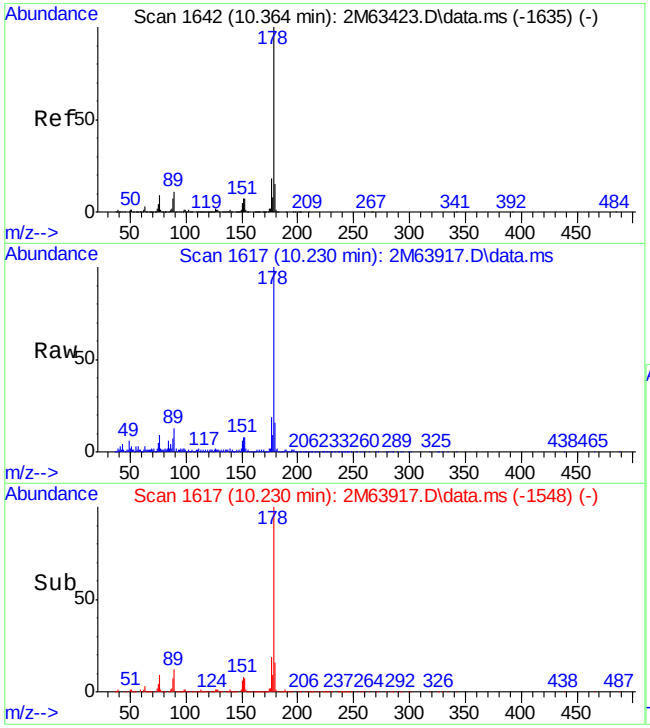


#77
Phenanthrene
Concen: 5.56 ppb
RT: 10.155 min Scan# 1603
Delta R.T. -0.134 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:178 Resp: 299310

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	45.5
176	18.1	0.0	48.7

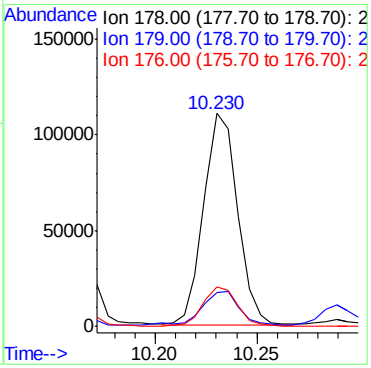


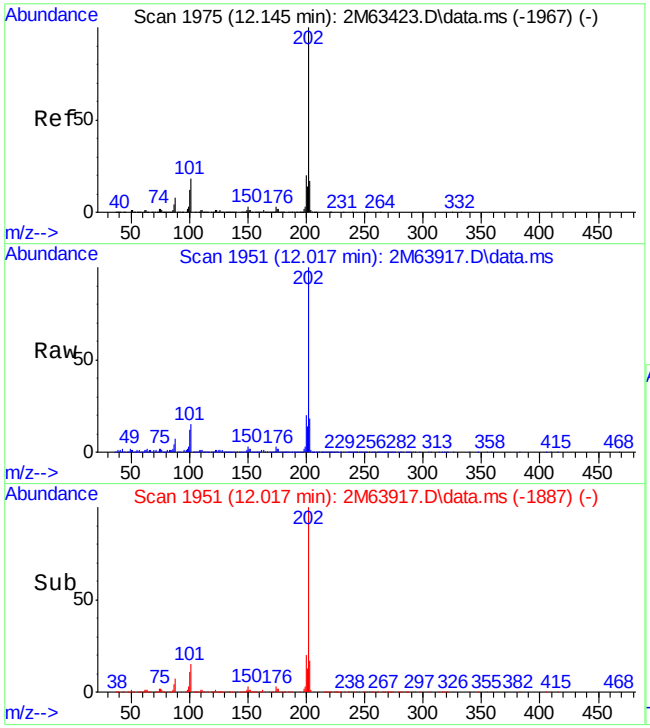


#78
Anthracene
Concen: 2.40 ppb
RT: 10.230 min Scan# 1617
Delta R.T. -0.134 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:178 Resp: 128281

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	45.0
176	18.6	0.0	47.6

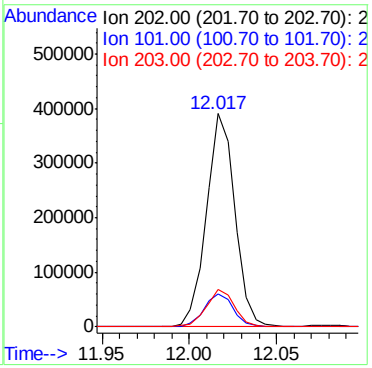


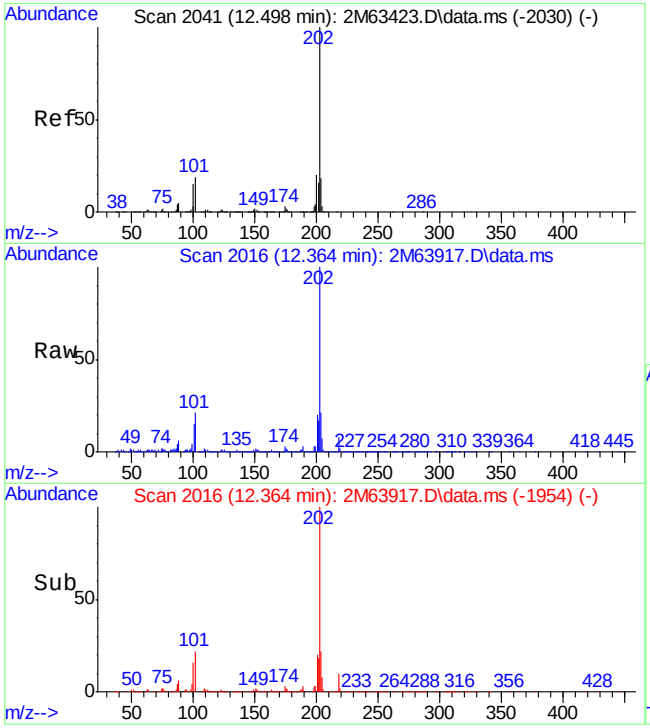


#81
Fluoranthene
Concen: 9.32 ppb
RT: 12.017 min Scan# 1951
Delta R.T. -0.160 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:202 Resp: 442216

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	47.5
203	17.4	0.0	47.3

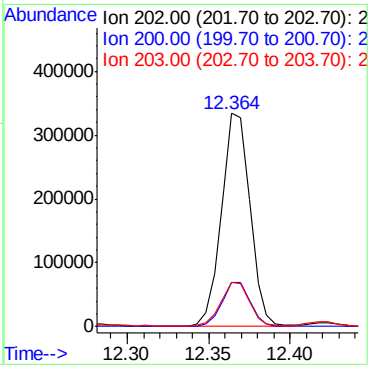


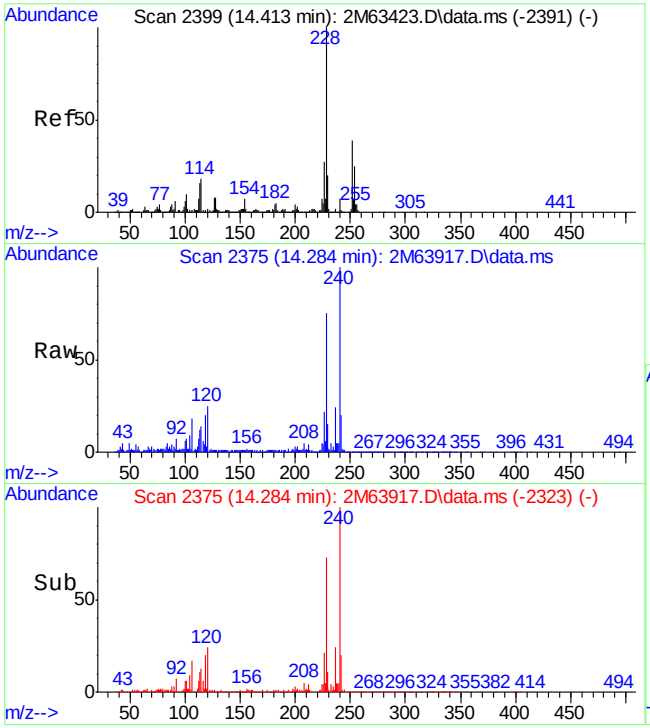


#84
Pyrene
Concen: 8.10 ppb
RT: 12.364 min Scan# 2016
Delta R.T. -0.171 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:202 Resp: 407656

Ion	Ratio	Lower	Upper
202	100		
200	20.4	0.0	50.2
203	20.6	0.0	47.9

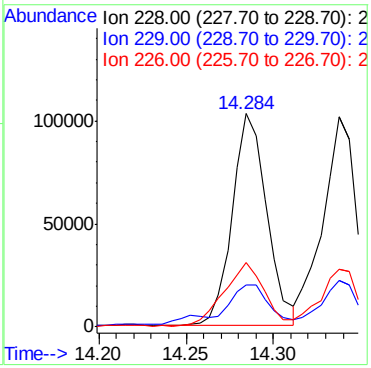


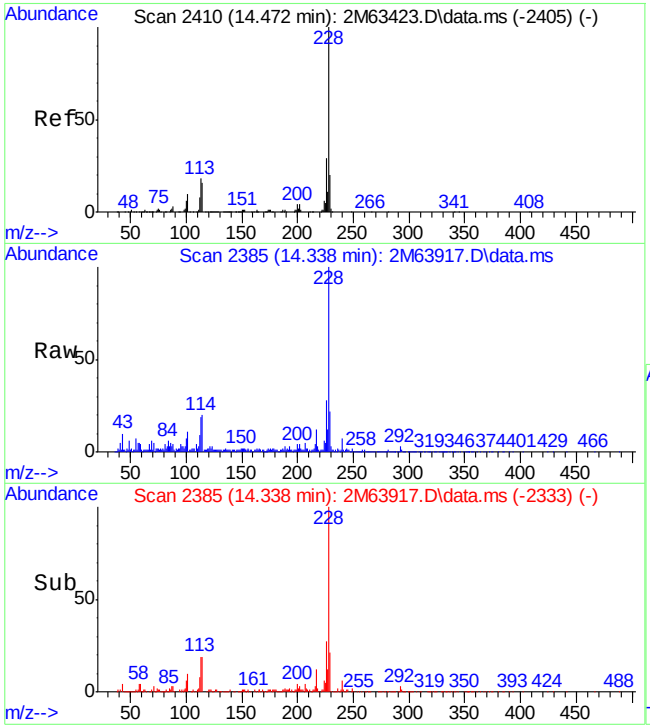


#88
Benzo[a]anthracene
Concen: 3.75 ppb
RT: 14.284 min Scan# 2375
Delta R.T. -0.225 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:228 Resp: 142987

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	49.6
226	29.8	0.0	57.0

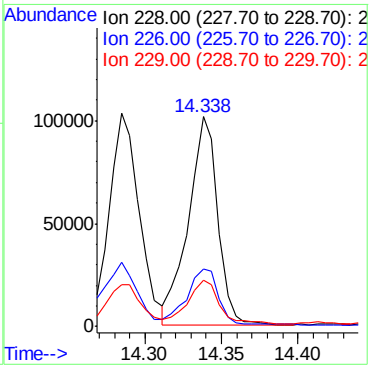


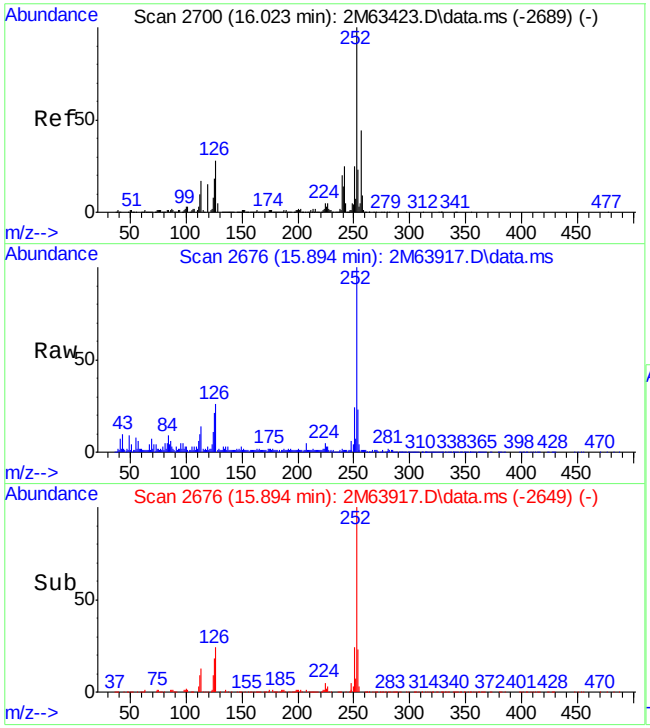


#90
Chrysene
Concen: 3.49 ppb
RT: 14.338 min Scan# 2385
Delta R.T. -0.225 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:228 Resp: 135478

Ion	Ratio	Lower	Upper
228	100		
226	27.0	0.0	58.9
229	20.9	0.0	49.7

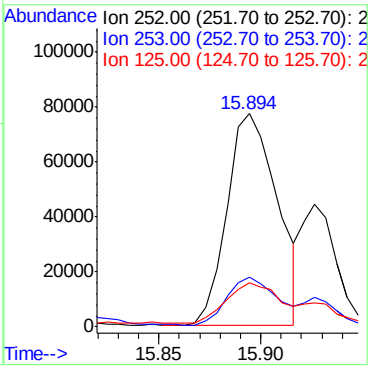


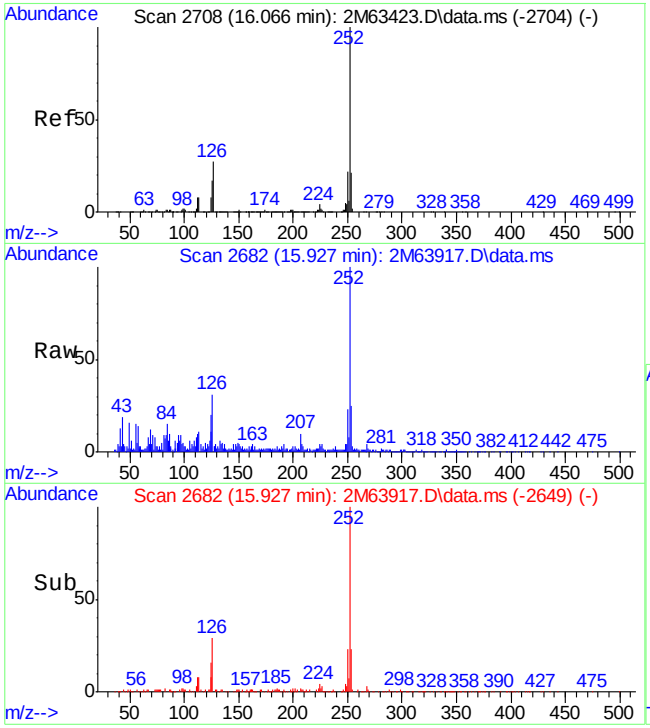


#94
Benzo[b]fluoranthene
Concen: 4.12 ppb
RT: 15.894 min Scan# 2676
Delta R.T. -0.358 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:252 Resp: 133472

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	53.3
125	18.6	0.0	47.9

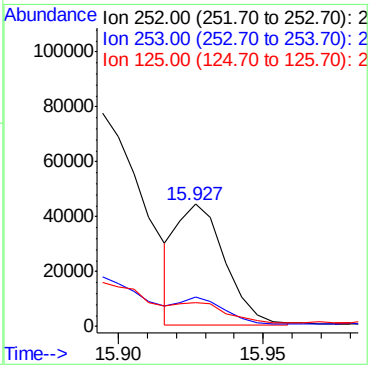


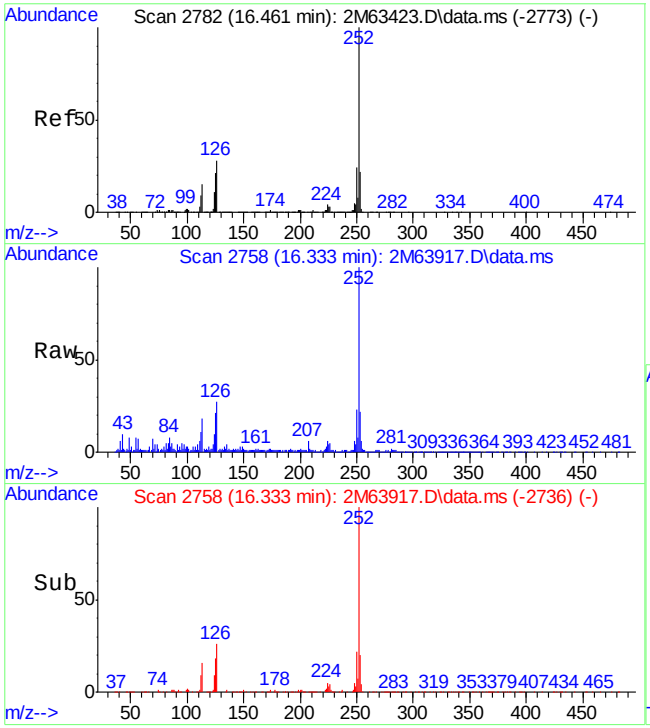


#95
Benzo[k]fluoranthene
Concen: 1.39 ppb m
RT: 15.927 min Scan# 2682
Delta R.T. -0.326 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:252 Resp: 51090

Ion	Ratio	Lower	Upper
252	100		
253	24.5	0.0	51.6
125	19.7	0.0	47.4

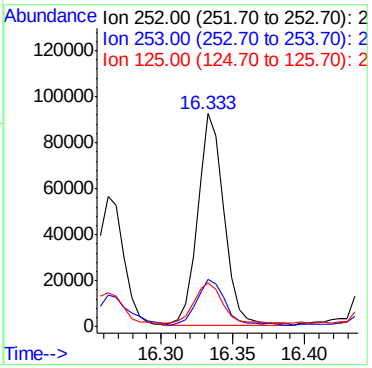


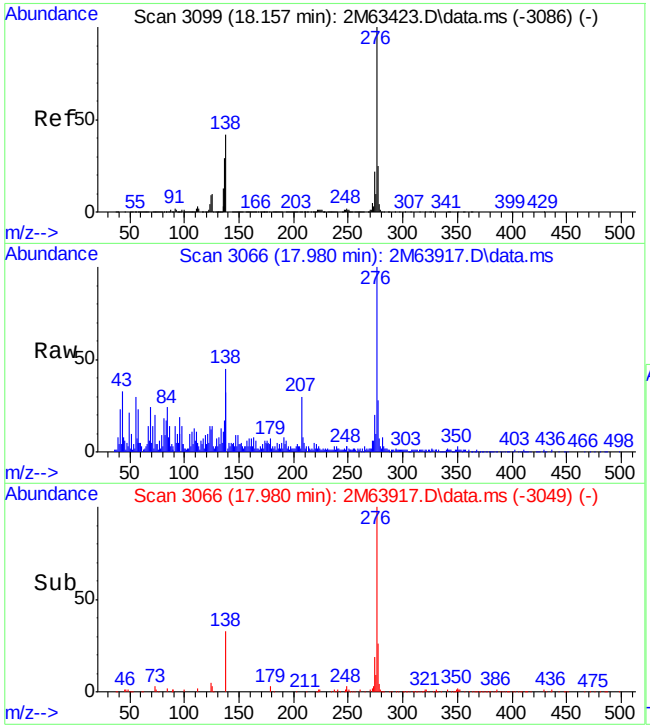


#96
Benzo[a]pyrene
Concen: 4.03 ppb
RT: 16.333 min Scan# 2758
Delta R.T. -0.385 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:252 Resp: 118470

Ion	Ratio	Lower	Upper
252	100		
253	21.1	0.0	52.4
125	19.3	0.0	50.8

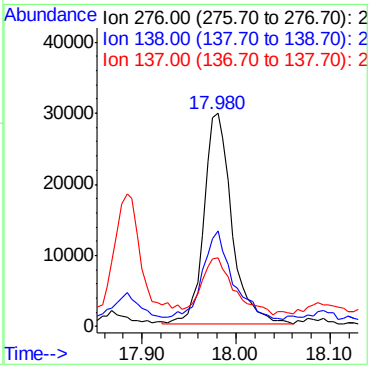


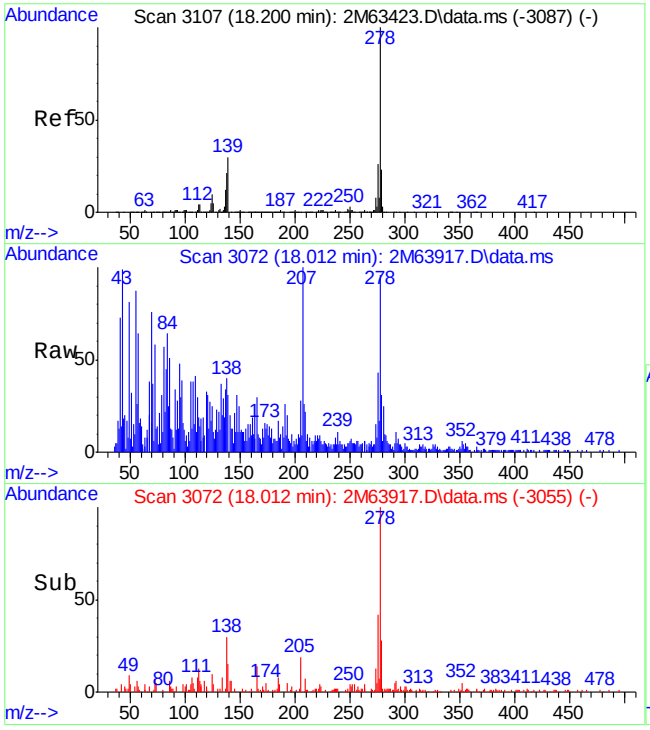


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.78 ppb
RT: 17.980 min Scan# 3066
Delta R.T. -0.412 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:276 Resp: 61165

Ion	Ratio	Lower	Upper
276	100		
138	40.5	11.9	71.9
137	24.8	0.0	58.6

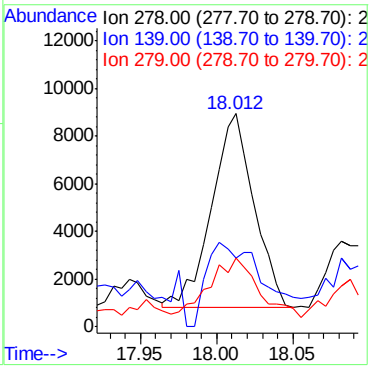


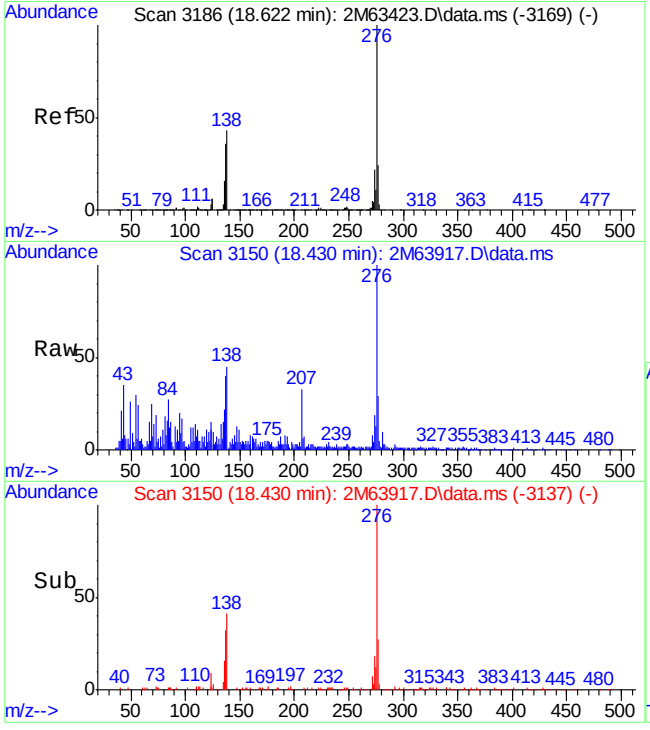


#99
Dibenz[a,h]anthracene
Concen: 0.53 ppb
RT: 18.012 min Scan# 3072
Delta R.T. -0.412 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:278 Resp: 15659

Ion	Ratio	Lower	Upper
278	100		
139	20.4	0.0	59.9
279	27.4	0.0	53.3

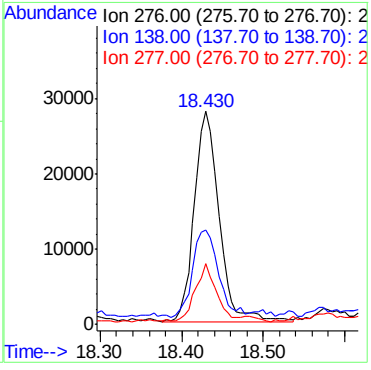




#101
Benzo[g,h,i]perylene
Concen: 2.05 ppb
RT: 18.430 min Scan# 3150
Delta R.T. -0.433 min
Lab File: 2M63917.D
Acq: 28 May 2014 2:22 am

Tgt Ion:276 Resp: 58558

Ion	Ratio	Lower	Upper
276	100		
138	40.2	12.9	72.9
277	26.4	0.0	53.9



Manual Integration Approval Summary

Sample Number: JB67744-4
Lab FileID: 2M63917.D
Injection Time: 05/28/14 02:22
Method: SW846 8270D
Analyst approved: 05/29/14 17:01 Andrew Lee Smith
Supervisor approved: 06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		15.93	Overlapping peak

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63918.D
Acq On : 28 May 2014 2:48 am
Operator : ashleyd
Sample : jb67744-5
Misc : op75114,E2M2711,32.0
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:31:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	506957	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2013879	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1066013	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1614242	40.00	ppb	-0.12
83) Chrysene-d12	14.306	240	1170514	40.00	ppb	-0.21
92) Perylene-d12	16.424	264	1012104	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	506957	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1066013	40.00	ppb	-0.10
106) Chrysene-d12a	14.306	240	1170514	40.00	ppb	-0.21
108) Phenanthrene-d10a	10.123	188	1614242	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2013879	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.806	112	613522	32.66	ppb	-0.04
Spiked Amount 50.000			Recovery =	65.32%		
8) Phenol-d5	4.507	99	794094	34.33	ppb	-0.04
Spiked Amount 50.000			Recovery =	68.66%		
25) Nitrobenzene-d5	5.197	82	617917	34.31	ppb	-0.07
Spiked Amount 50.000			Recovery =	68.62%		
51) 2-Fluorobiphenyl	7.058	172	1160671	35.53	ppb	-0.09
Spiked Amount 50.000			Recovery =	71.06%		
73) 2,4,6-Tribromophenol	9.085	330	103024	43.48	ppb	-0.11
Spiked Amount 50.000			Recovery =	86.96%		
85) Terphenyl-d14	12.674	244	858628	36.66	ppb	-0.17
Spiked Amount 50.000			Recovery =	73.32%		
Target Compounds						Qvalue
9) Phenol	4.518	94	46778m	1.76	ppb	
21) 3&4-Methylphenol	5.095	108	1650450	93.32	ppb	100
38) Naphthalene	5.876	128	265646	4.66	ppb	98
44) 2-Methylnaphthalene	6.614	141	62076	2.00	ppb	96
53) Biphenyl	7.181	154	34394	0.76	ppb	99
56) Acenaphthylene	7.743	152	65109	1.26	ppb	99
59) Acenaphthene	7.984	153	80099	2.50	ppb	97
62) Dibenzofuran	8.224	168	76301	1.82	ppb	96
66) Fluorene	8.716	166	112699	3.37	ppb	98
77) Phenanthrene	10.155	178	703482	14.31	ppb	100
78) Anthracene	10.235	178	191213	3.92	ppb	99
79) Carbazole	10.514	167	68907	1.35	ppb	96
81) Fluoranthene	12.049	202	488411	11.26	ppb	95
84) Pyrene	12.375	202	416537	9.73	ppb	96
88) Benzo[a]anthracene	14.290	228	131923	4.06	ppb	98
90) Chrysene	14.343	228	148764	4.50	ppb	98
93) Di-n-octylphthalate	15.498	149	97579m	2.72	ppb	
94) Benzo[b]fluoranthene	15.894	252	129588	4.53	ppb	98
95) Benzo[k]fluoranthene	15.926	252	38212m	1.18	ppb	
96) Benzo[a]pyrene	16.338	252	78535	3.02	ppb	95
97) Indeno[1,2,3-cd]pyrene	17.986	276	40323	1.33	ppb	93
99) Dibenz[a,h]anthracene	18.012	278	12881	0.49	ppb	94
101) Benzo[g,h,i]perylene	18.430	276	39043	1.55	ppb	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63918.D
Acq On : 28 May 2014 2:48 am
Operator : ashleyd
Sample : jb67744-5
Misc : op75114,E2M2711,32.0
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:31:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

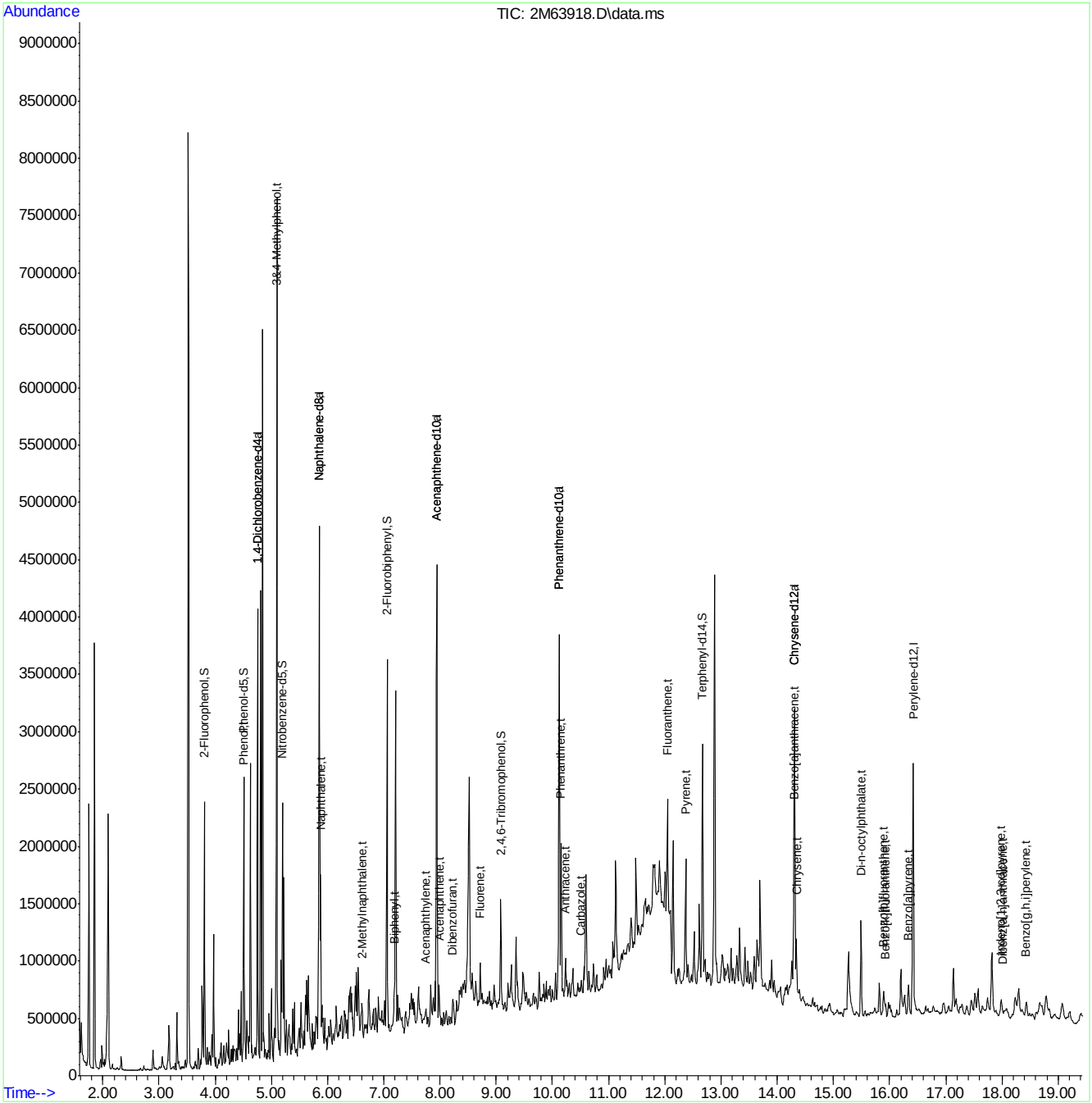
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

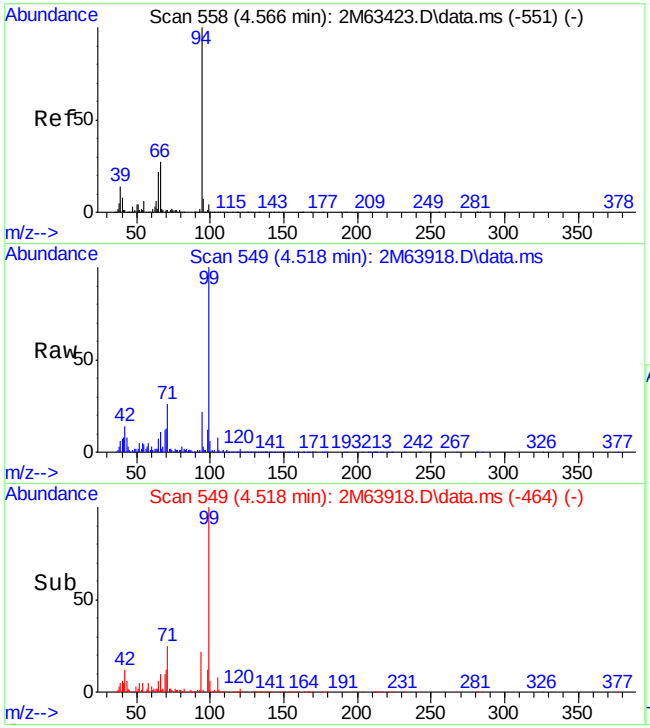
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63918.D
Acq On : 28 May 2014 2:48 am
Operator : ashleyd
Sample : jb67744-5
Misc : op75114,E2M2711,32.0
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:31:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

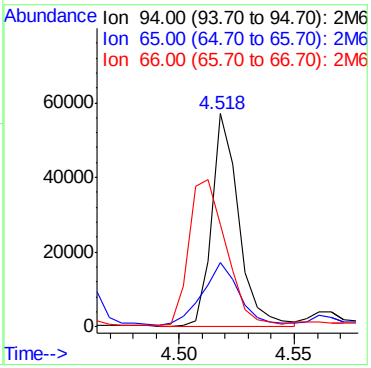


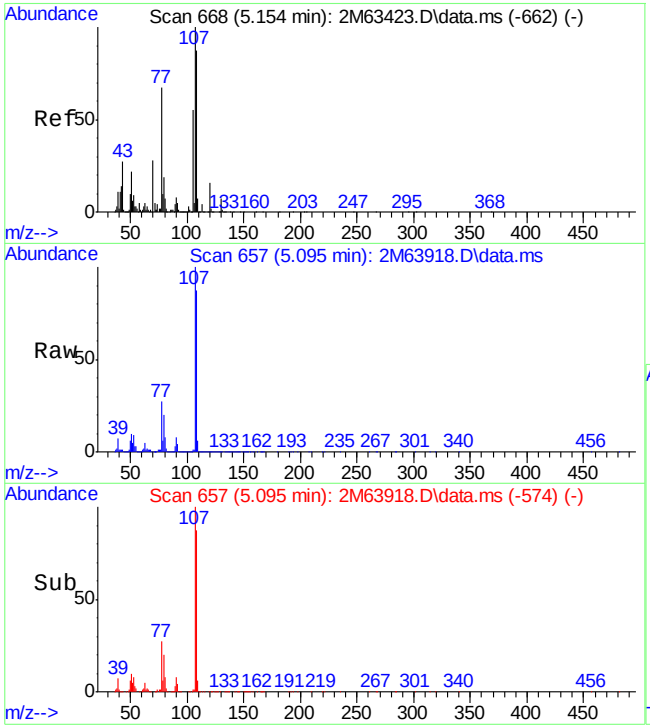


#9
Phenol
Concen: 1.76 ppb m
RT: 4.518 min Scan# 549
Delta R.T. -0.043 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion: 94 Resp: 46778

Ion	Ratio	Lower	Upper
94	100		
65	30.2	0.0	51.9
66	47.8	0.0	57.0

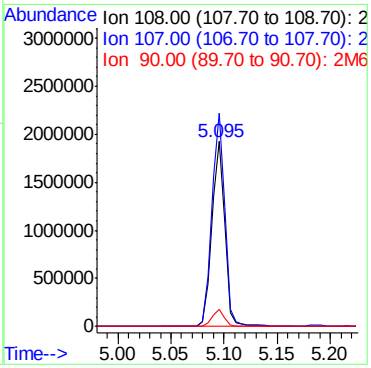


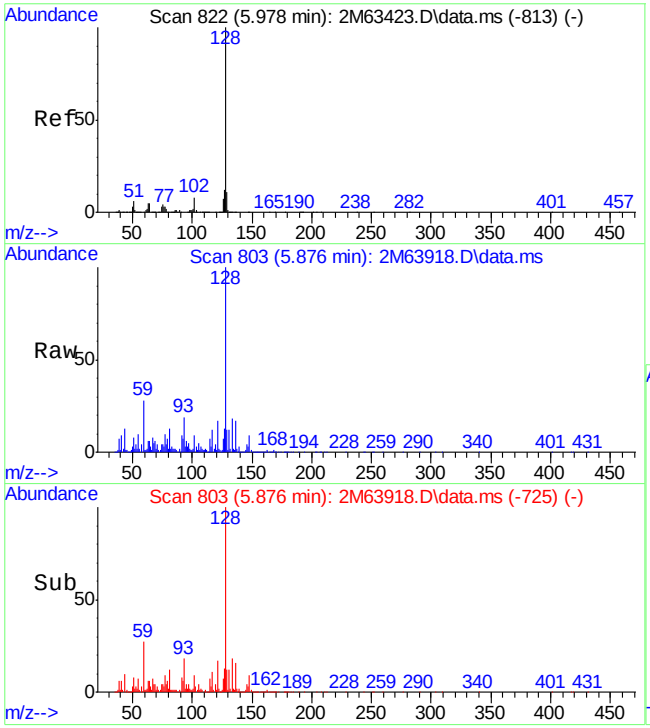


#21
3&4-Methylphenol
Concen: 93.32 ppb
RT: 5.095 min Scan# 657
Delta R.T. -0.054 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:108 Resp: 1650450

Ion	Ratio	Lower	Upper
108	100		
107	115.1	85.5	145.5
90	9.0	0.0	39.1

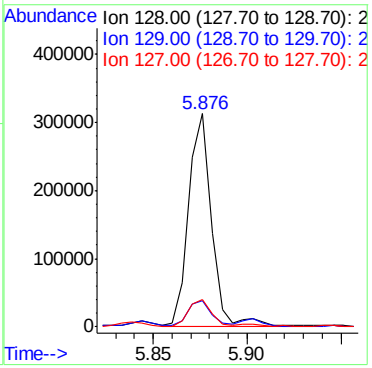


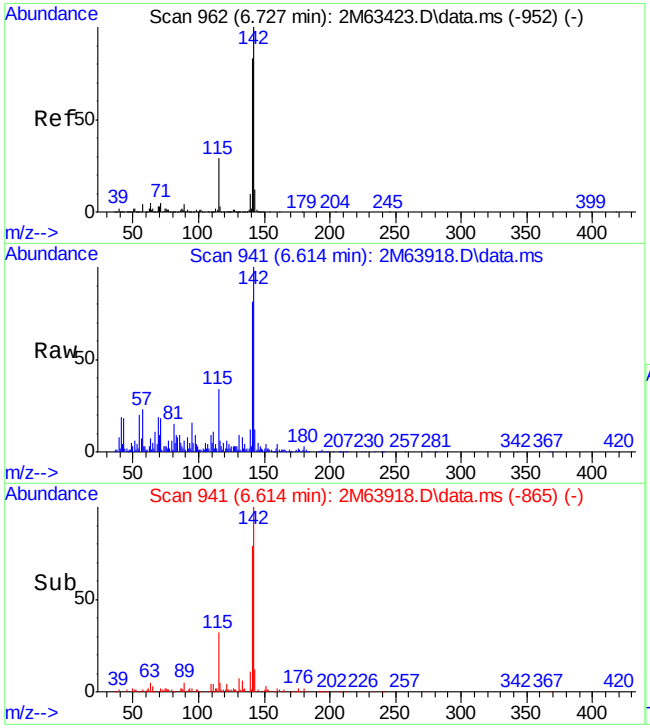


#38
Naphthalene
Concen: 4.66 ppb
RT: 5.876 min Scan# 803
Delta R.T. -0.080 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:128 Resp: 265646

Ion	Ratio	Lower	Upper
128	100		
129	11.8	0.0	40.9
127	12.7	0.0	42.2

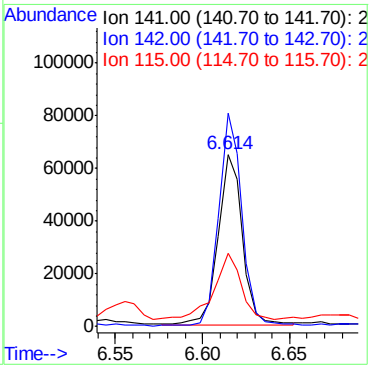


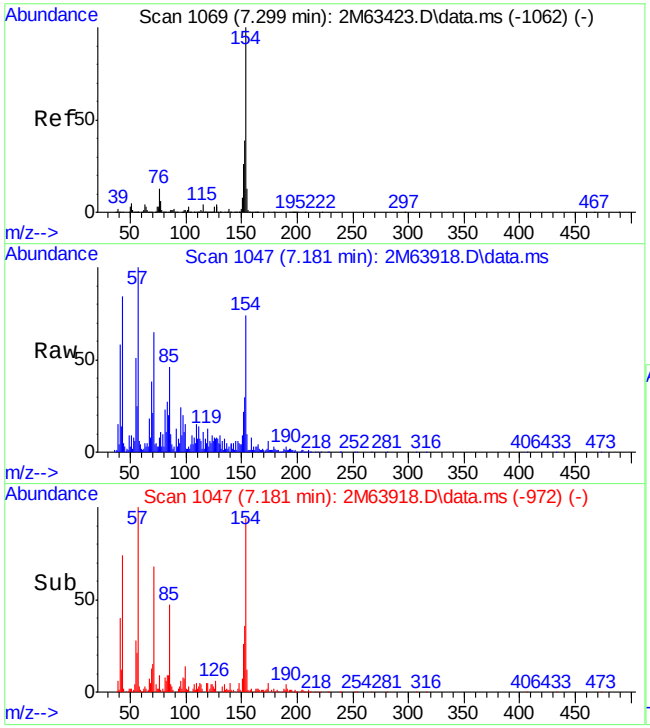


#44
2-Methylnaphthalene
Concen: 2.00 ppb
RT: 6.614 min Scan# 941
Delta R.T. -0.091 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:141 Resp: 62076

Ion	Ratio	Lower	Upper
141	100		
142	124.9	90.4	150.4
115	38.2	5.3	65.3

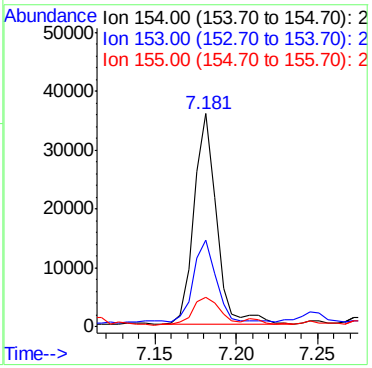


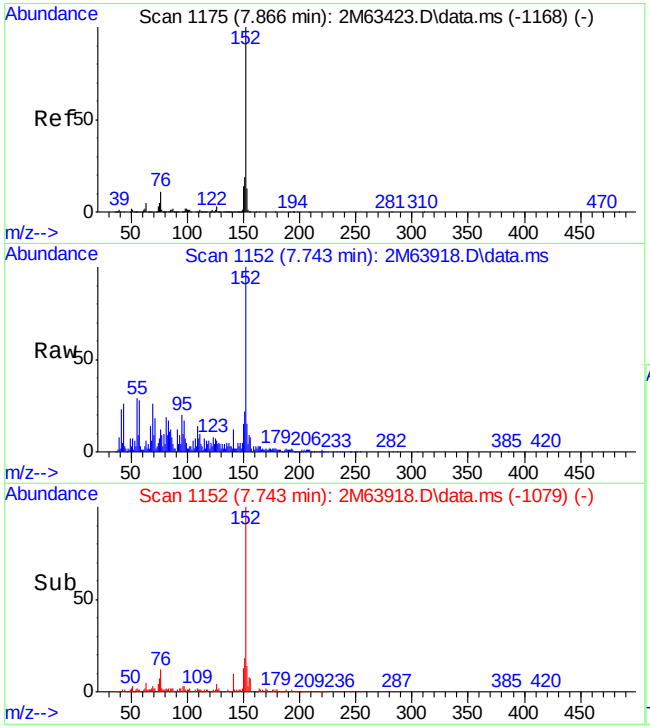


#53
Biphenyl
Concen: 0.76 ppb
RT: 7.181 min Scan# 1047
Delta R.T. -0.096 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:154 Resp: 34394

Ion	Ratio	Lower	Upper
154	100		
153	37.8	8.6	68.6
155	12.7	0.0	43.1

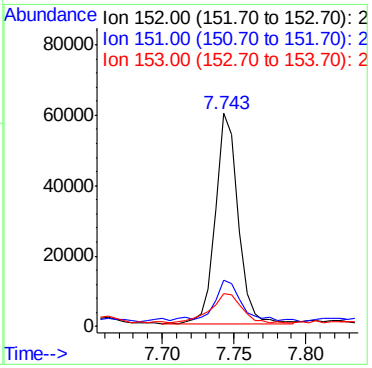


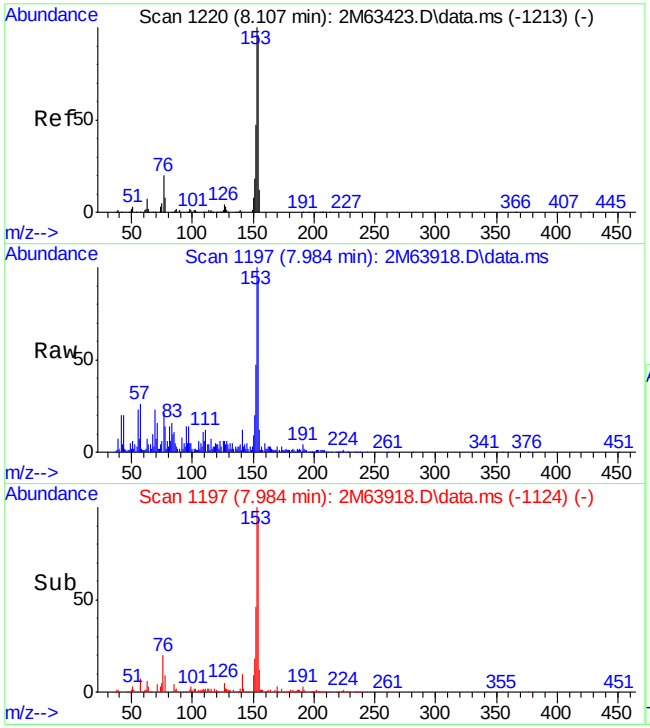


#56
Acenaphthylene
Concen: 1.26 ppb
RT: 7.743 min Scan# 1152
Delta R.T. -0.107 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:152 Resp: 65109

Ion	Ratio	Lower	Upper
152	100		
151	18.8	0.0	49.1
153	13.3	0.0	42.6

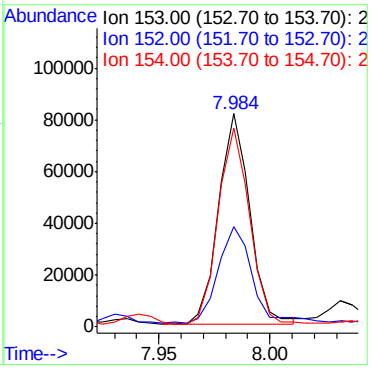


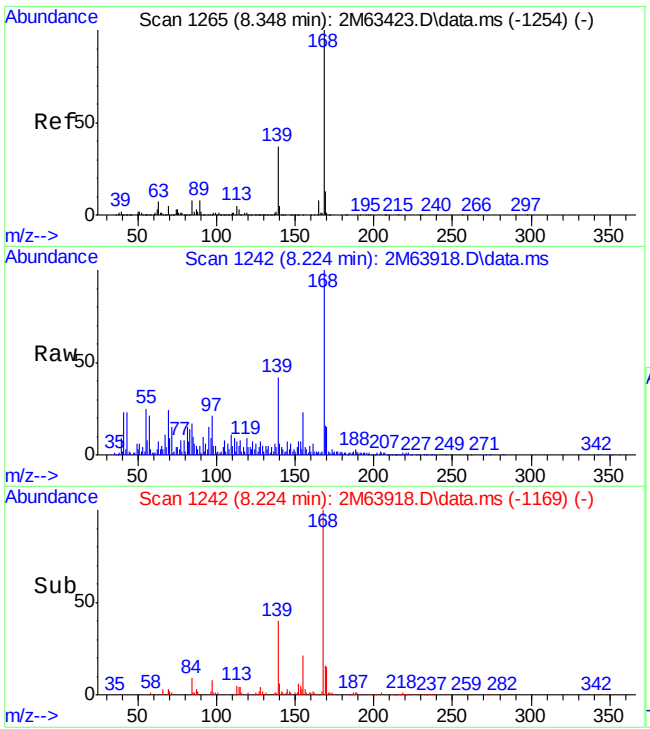


#59
Acenaphthene
Concen: 2.50 ppb
RT: 7.984 min Scan# 1197
Delta R.T. -0.107 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:153 Resp: 80099

Ion	Ratio	Lower	Upper
153	100		
152	44.8	17.5	77.5
154	93.4	66.3	126.3

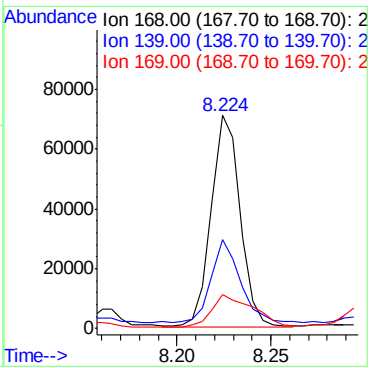


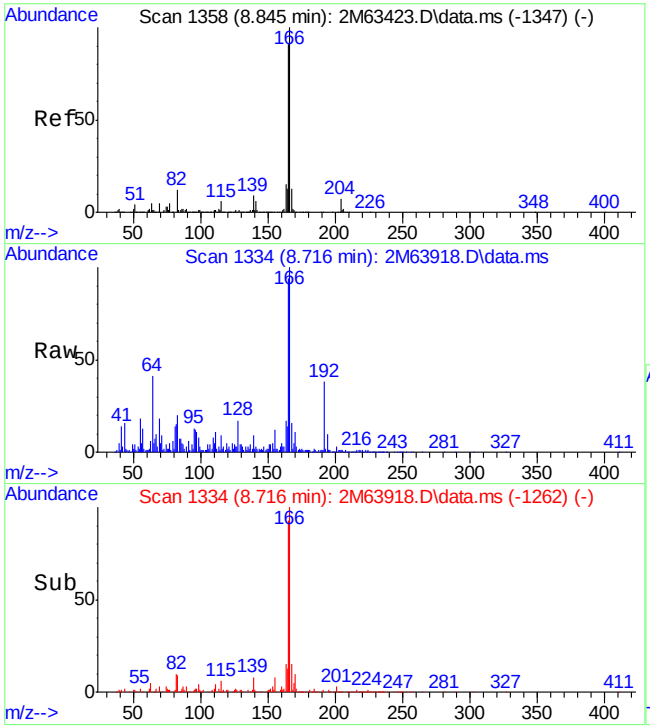


#62
Dibenzofuran
Concen: 1.82 ppb
RT: 8.224 min Scan# 1242
Delta R.T. -0.107 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:168 Resp: 76301

Ion	Ratio	Lower	Upper
168	100		
139	38.8	7.0	67.0
169	15.3	0.0	43.3

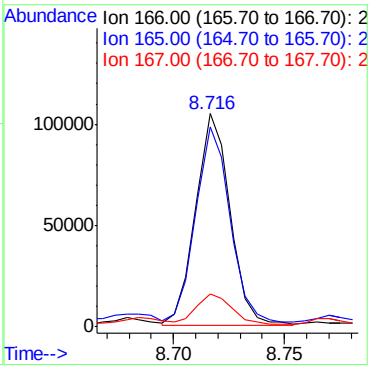


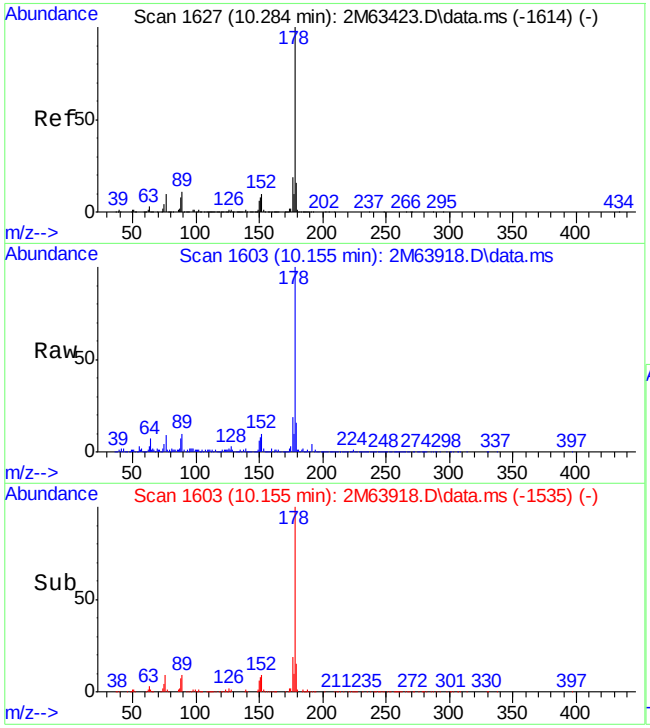


#66
Fluorene
Concen: 3.37 ppb
RT: 8.716 min Scan# 1334
Delta R.T. -0.112 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:166 Resp: 112699

Ion	Ratio	Lower	Upper
166	100		
165	92.3	60.6	120.6
167	13.9	0.0	43.1

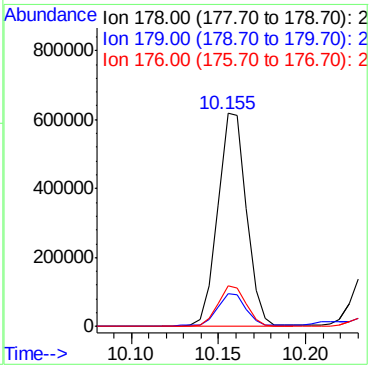


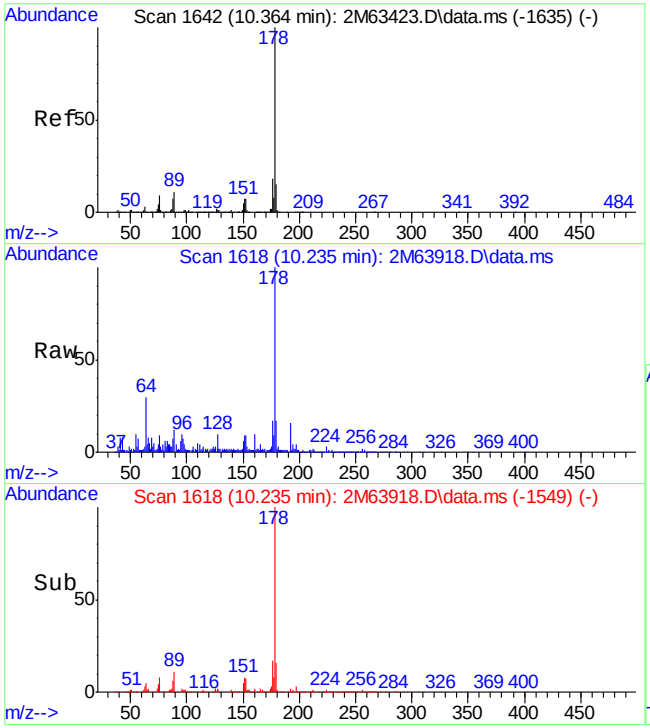


#77
Phenanthrene
Concen: 14.31 ppb
RT: 10.155 min Scan# 1603
Delta R.T. -0.134 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:178 Resp: 703482

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.5
176	18.8	0.0	48.7

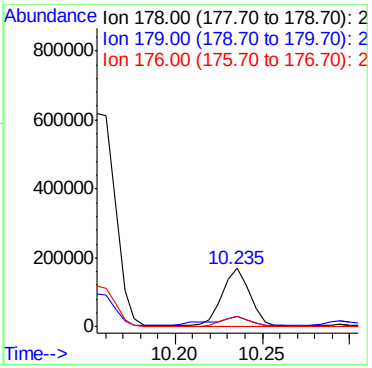


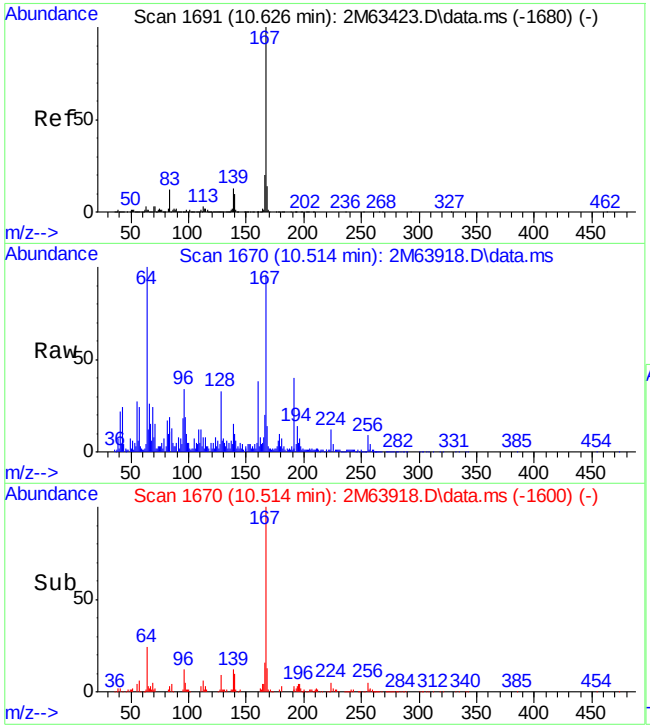


#78
Anthracene
Concen: 3.92 ppb
RT: 10.235 min Scan# 1618
Delta R.T. -0.128 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:178 Resp: 191213

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.0
176	17.1	0.0	47.6

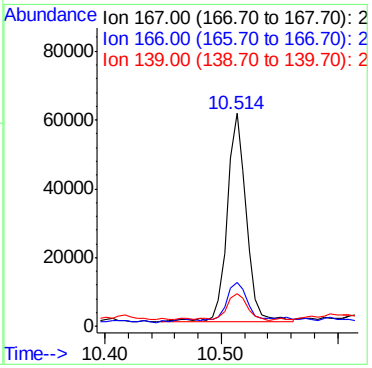


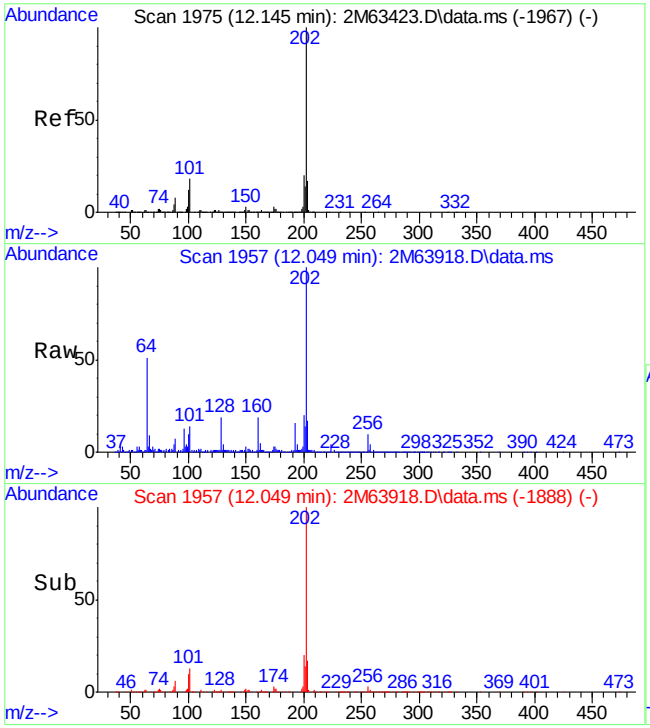


#79
Carbazole
Concen: 1.35 ppb
RT: 10.514 min Scan# 1670
Delta R.T. -0.123 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:167 Resp: 68907

Ion	Ratio	Lower	Upper
167	100		
166	18.0	0.0	50.0
139	11.9	0.0	43.0

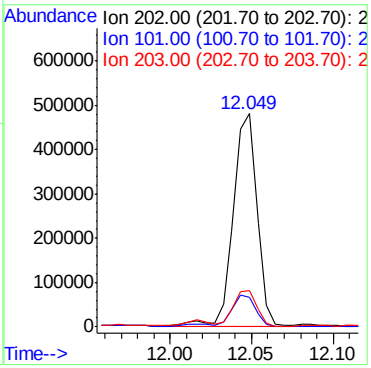


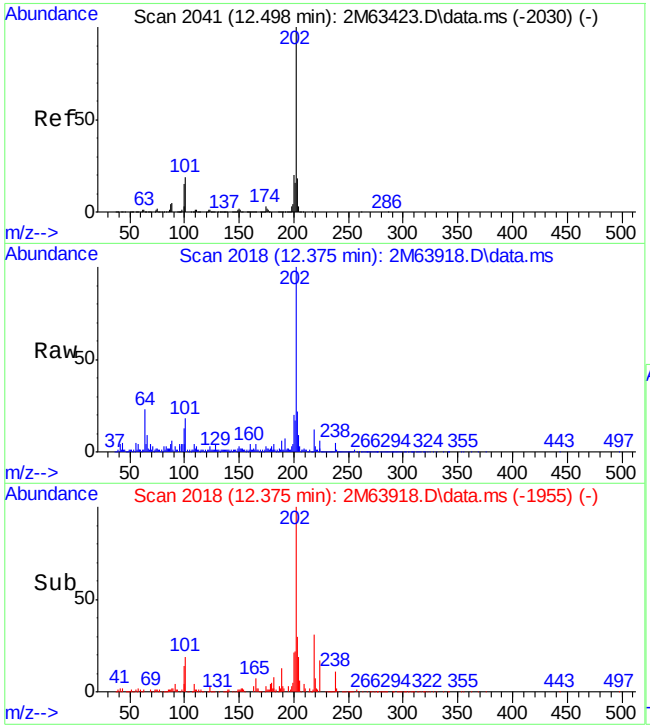


#81
Fluoranthene
Concen: 11.26 ppb
RT: 12.049 min Scan# 1957
Delta R.T. -0.128 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:202 Resp: 488411

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	47.5
203	16.7	0.0	47.3

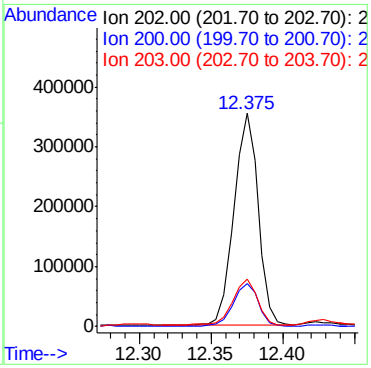


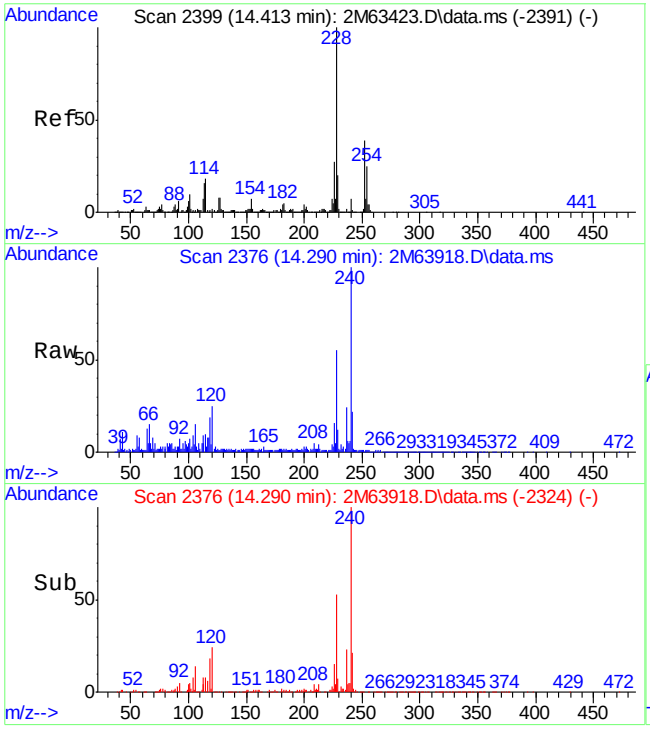


#84
Pyrene
Concen: 9.73 ppb
RT: 12.375 min Scan# 2018
Delta R.T. -0.160 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:202 Resp: 416537

Ion	Ratio	Lower	Upper
202	100		
200	20.2	0.0	50.2
203	21.7	0.0	47.9

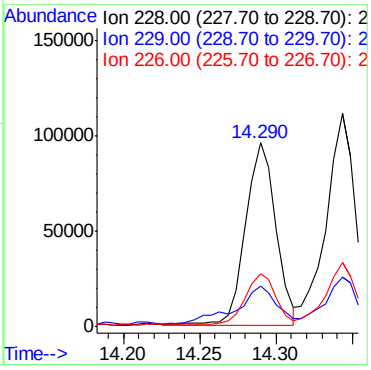


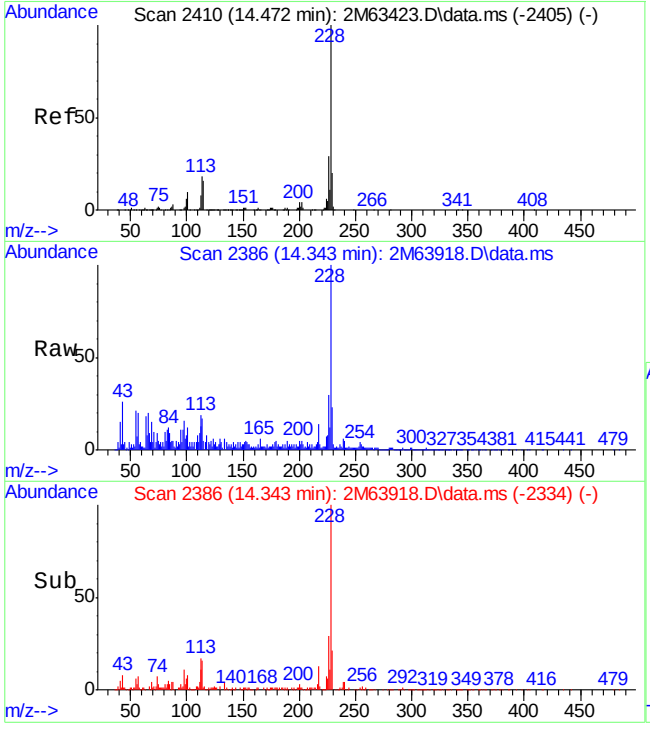


#88
Benzo[a]anthracene
Concen: 4.06 ppb
RT: 14.290 min Scan# 2376
Delta R.T. -0.219 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:228 Resp: 131923

Ion	Ratio	Lower	Upper
228	100		
229	20.3	0.0	49.6
226	28.1	0.0	57.0

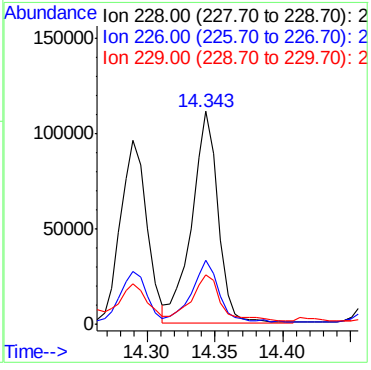


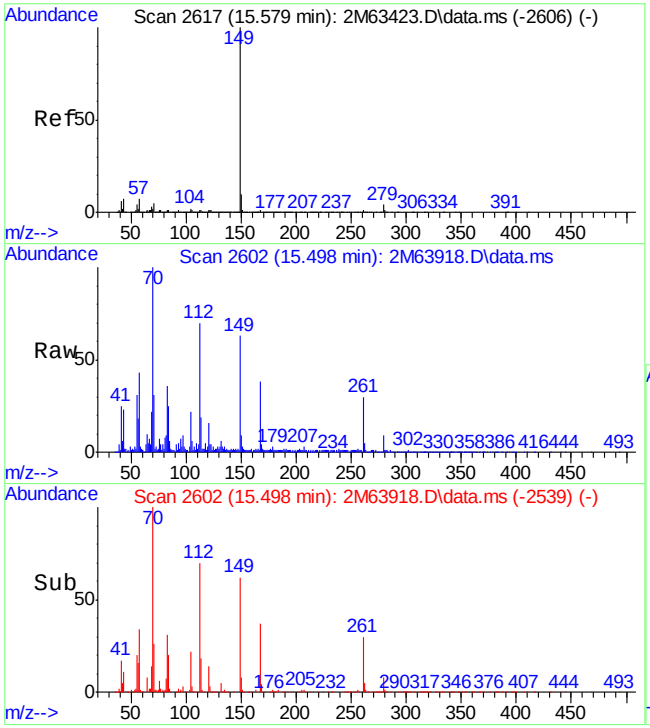


#90
Chrysene
Concen: 4.50 ppb
RT: 14.343 min Scan# 2386
Delta R.T. -0.219 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:228 Resp: 148764

Ion	Ratio	Lower	Upper
228	100		
226	29.3	0.0	58.9
229	21.5	0.0	49.7

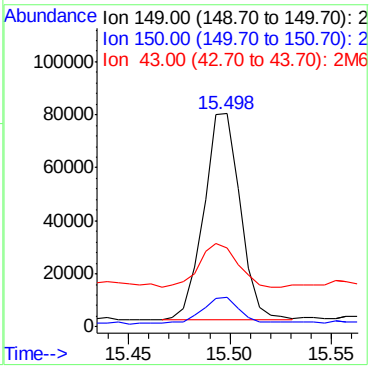


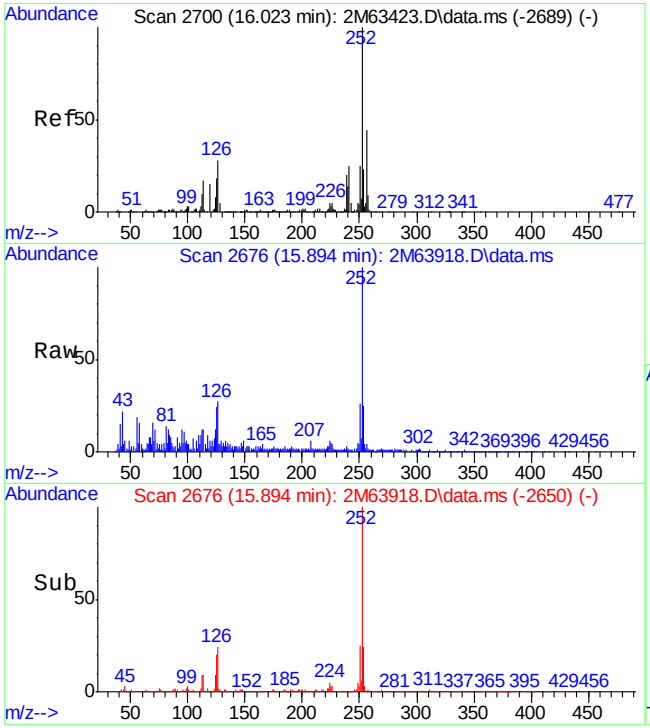


#93
Di-n-octylphthalate
Concen: 2.72 ppb m
RT: 15.498 min Scan# 2602
Delta R.T. -0.160 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:149 Resp: 97579

Ion	Ratio	Lower	Upper
149	100		
150	13.7	0.0	39.7
43	37.2	0.0	37.4

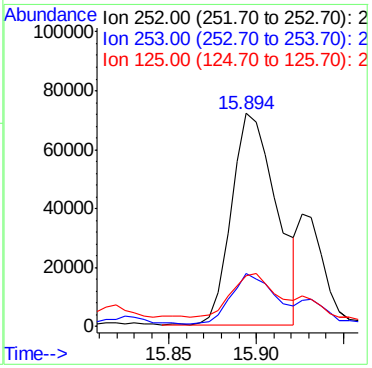


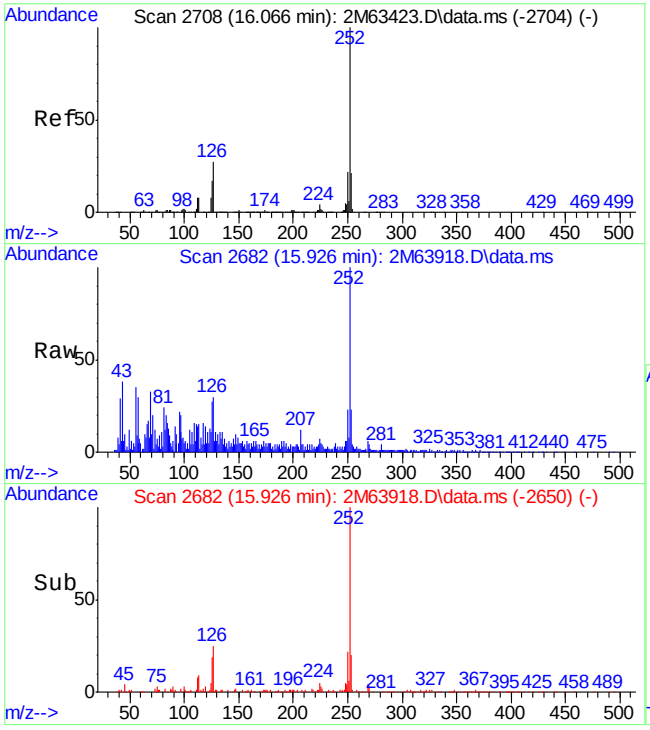


#94
Benzo[b]fluoranthene
Concen: 4.53 ppb
RT: 15.894 min Scan# 2676
Delta R.T. -0.358 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:252 Resp: 129588

Ion	Ratio	Lower	Upper
252	100		
253	24.5	0.0	53.3
125	19.0	0.0	47.9

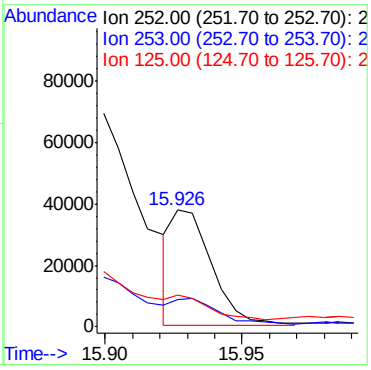


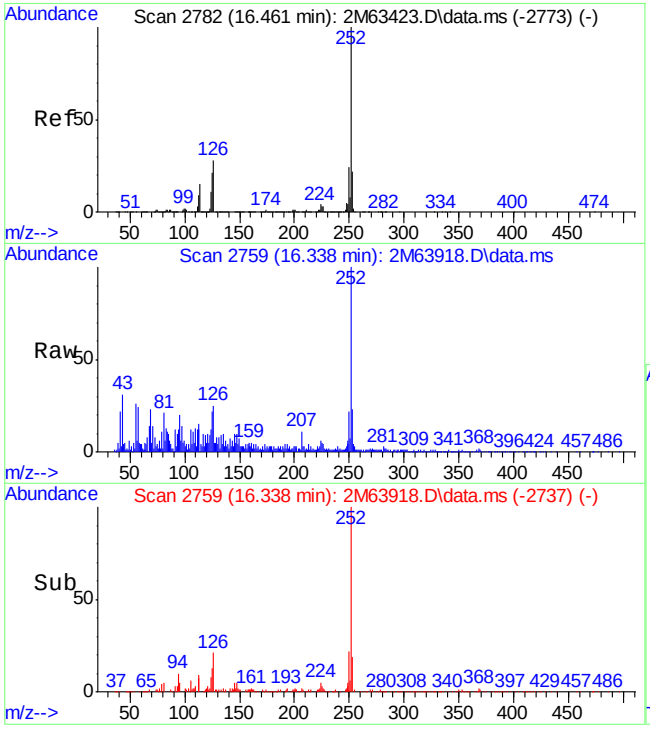


#95
Benzo[k]fluoranthene
Concen: 1.18 ppb m
RT: 15.926 min Scan# 2682
Delta R.T. -0.326 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:252 Resp: 38212

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.6
125	27.2	0.0	47.4

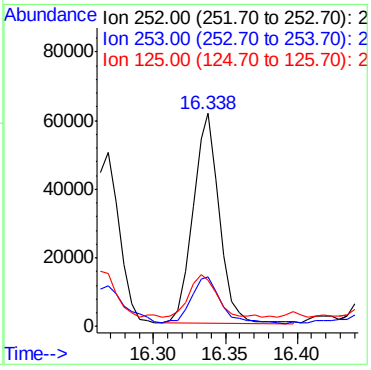


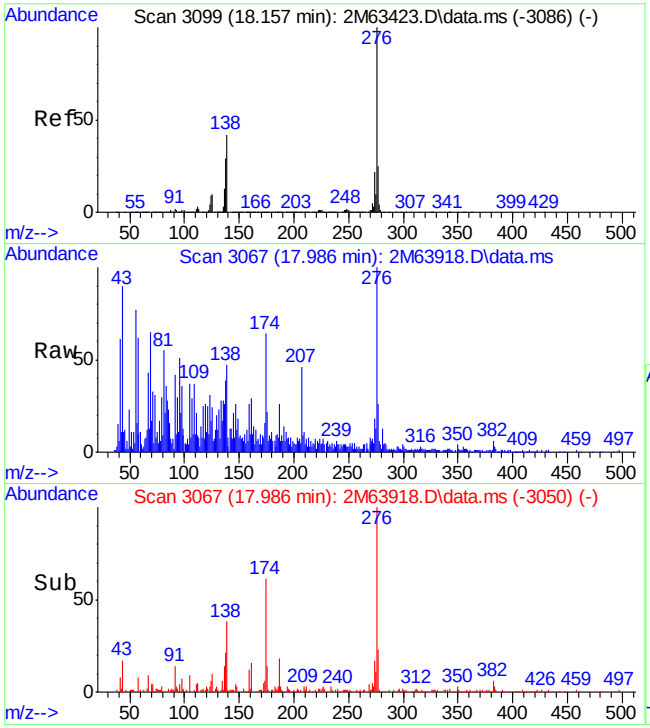


#96
Benzo[a]pyrene
Concen: 3.02 ppb
RT: 16.338 min Scan# 2759
Delta R.T. -0.380 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:252 Resp: 78535

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	52.4
125	16.3	0.0	50.8

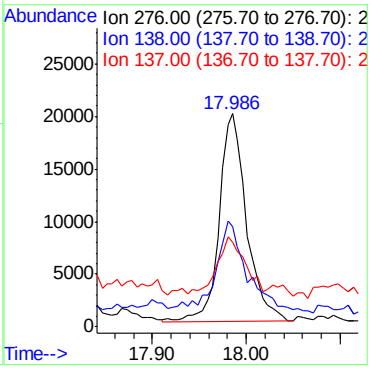


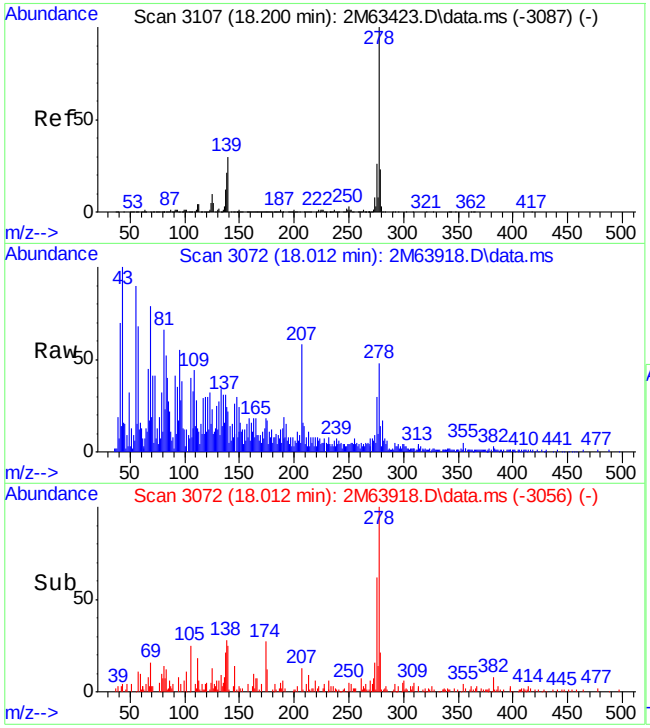


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.33 ppb
RT: 17.986 min Scan# 3067
Delta R.T. -0.407 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:276 Resp: 40323

Ion	Ratio	Lower	Upper
276	100		
138	38.2	11.9	71.9
137	24.4	0.0	58.6

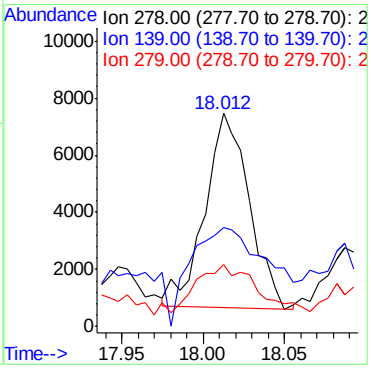


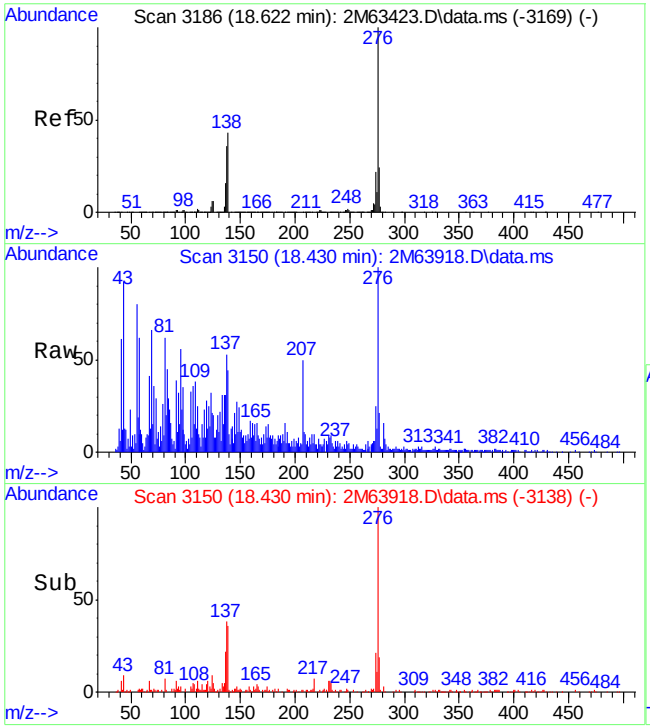


#99
Dibenz[a,h]anthracene
Concen: 0.49 ppb
RT: 18.012 min Scan# 3072
Delta R.T. -0.412 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:278 Resp: 12881

Ion	Ratio	Lower	Upper
278	100		
139	26.6	0.0	59.9
279	20.6	0.0	53.3

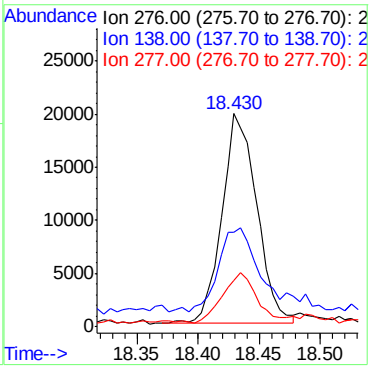




#101
Benzo[g,h,i]perylene
Concen: 1.55 ppb
RT: 18.430 min Scan# 3150
Delta R.T. -0.433 min
Lab File: 2M63918.D
Acq: 28 May 2014 2:48 am

Tgt Ion:276 Resp: 39043

Ion	Ratio	Lower	Upper
276	100		
138	33.3	12.9	72.9
277	18.3	0.0	53.9



Manual Integration Approval Summary

Sample Number: JB67744-5
Lab FileID: 2M63918.D
Injection Time: 05/28/14 02:48
Method: SW846 8270D
Analyst approved: 05/29/14 17:01 Andrew Lee Smith
Supervisor approved: 06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		4.52	Poor instrument integration
Di-n-octyl phthalate	117-84-0		15.50	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		15.93	Overlapping peak

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91945.D
Acq On : 29 May 2014 7:10 am
Operator : ashleyd
Sample : jb67744-6
Misc : op75133,ez4575,970
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 04 13:58:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

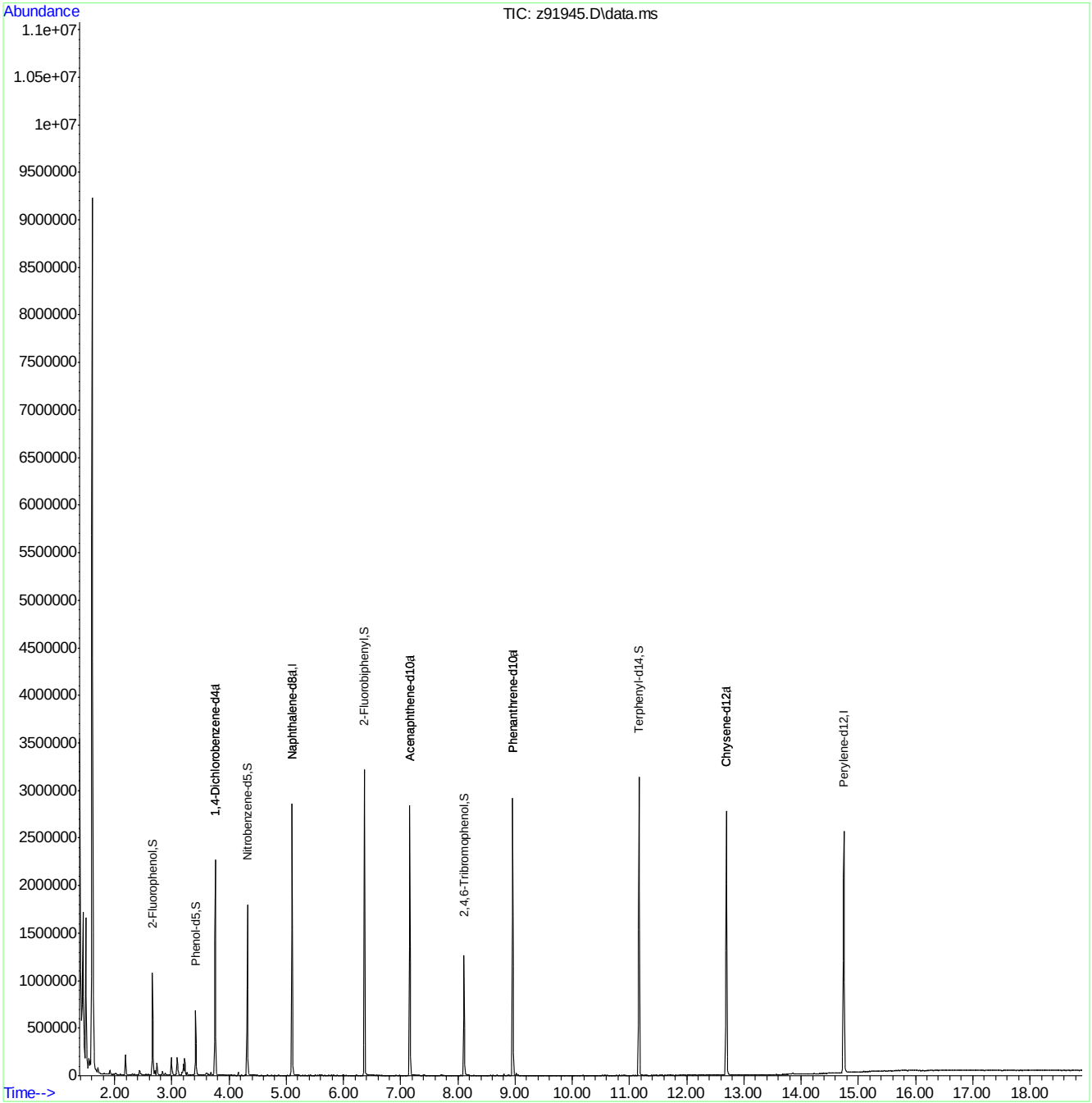
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	319252	40.00	ppb	0.00
24) Naphthalene-d8	5.100	136	1235081	40.00	ppb	0.00
47) Acenaphthene-d10	7.162	164	680691	40.00	ppb	0.00
69) Phenanthrene-d10	8.957	188	1159409	40.00	ppb	0.00
83) Chrysene-d12	12.696	240	1169285	40.00	ppb	0.00
92) Perylene-d12	14.748	264	1089255	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.759	152	319252	40.00	ppb	0.00
104) Phenanthrene-d10a	8.957	188	1159409	40.00	ppb	0.00
107) Chrysene-d12a	12.696	240	1169285	40.00	ppb	0.00
110) Acenaphthene-d10a	7.162	164	680691	40.00	ppb	0.00
112) Naphthalene-d8a	5.100	136	1235081	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	281679	25.82	ppb	0.00
Spiked Amount 50.000			Recovery = 51.64%			
8) Phenol-d5	3.417	99	223751	16.28	ppb	0.00
Spiked Amount 50.000			Recovery = 32.56%			
25) Nitrobenzene-d5	4.320	82	534120	49.07	ppb	0.00
Spiked Amount 50.000			Recovery = 98.14%			
51) 2-Fluorobiphenyl	6.366	172	1021633	47.35	ppb	0.00
Spiked Amount 50.000			Recovery = 94.70%			
73) 2,4,6-Tribromophenol	8.113	330	154244	54.44	ppb	0.00
Spiked Amount 50.000			Recovery = 108.88%			
86) Terphenyl-d14	11.169	244	1224103	52.05	ppb	0.00
Spiked Amount 50.000			Recovery = 104.10%			
106) 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/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91945.D
Acq On : 29 May 2014 7:10 am
Operator : ashleyd
Sample : jb67744-6
Misc : op75133,ez4575,970
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 04 13:58:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao 06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63919.D
Acq On : 28 May 2014 3:14 am
Operator : ashleyd
Sample : jb67744-8
Misc : op75114,E2M2711,33.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 16:32:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu May 29 10:51:55 2014
QLast Update : Thu May 29 13:27:18 2014
Response via : Initial Calibration

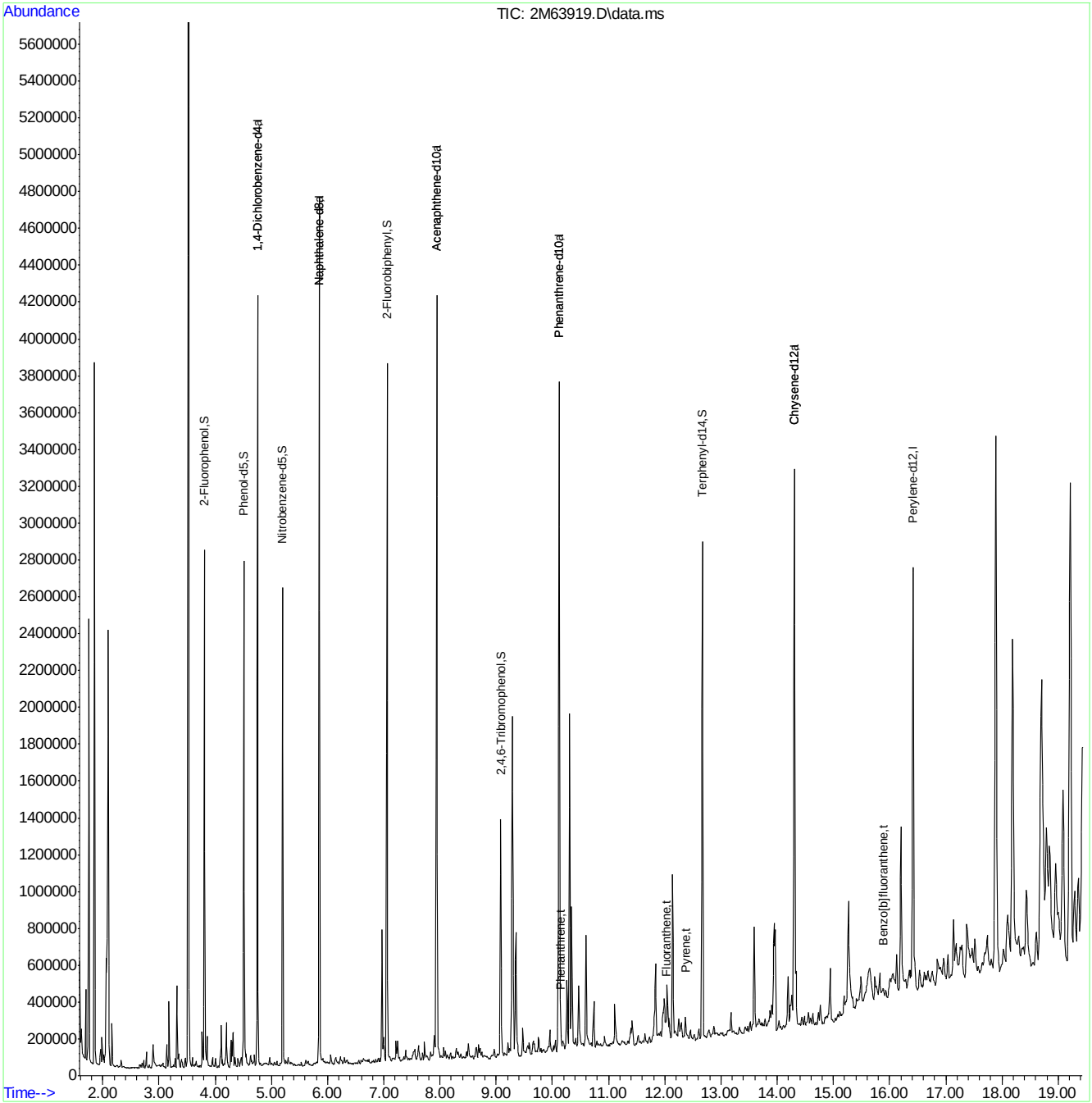
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	531042	40.00	ppb	0.00
24) Naphthalene-d8	5.855	136	2075313	40.00	ppb	0.00
47) Acenaphthene-d10	7.941	164	1154061	40.00	ppb	0.00
69) Phenanthrene-d10	10.123	188	1734731	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	1297171	40.00	ppb	0.00
92) Perylene-d12	16.418	264	1103907	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.753	152	531042	40.00	ppb	0.00
104) Acenaphthene-d10a	7.941	164	1154061	40.00	ppb	0.00
106) Chrysene-d12a	14.306	240	1297171	40.00	ppb	0.00
108) Phenanthrene-d10a	10.123	188	1734731	40.00	ppb	0.00
110) Naphthalene-d8a	5.855	136	2075313	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.806	112	724306	36.80	ppb	0.01
Spiked Amount 50.000			Recovery = 73.60%			
8) Phenol-d5	4.512	99	945000	39.00	ppb	0.00
Spiked Amount 50.000			Recovery = 78.00%			
25) Nitrobenzene-d5	5.197	82	742825	40.02	ppb	0.00
Spiked Amount 50.000			Recovery = 80.04%			
51) 2-Fluorobiphenyl	7.058	172	1403438	39.69	ppb	0.00
Spiked Amount 50.000			Recovery = 79.38%			
73) 2,4,6-Tribromophenol	9.080	330	137819	54.13	ppb	0.00
Spiked Amount 50.000			Recovery = 108.26%			
85) Terphenyl-d14	12.674	244	1127074	43.43	ppb	0.00
Spiked Amount 50.000			Recovery = 86.86%			
Target Compounds						Qvalue
77) Phenanthrene	10.155	178	33143m	0.63	ppb	
81) Fluoranthene	12.022	202	41267	0.89	ppb	92
84) Pyrene	12.369	202	36194	0.76	ppb	98
94) Benzo[b]fluoranthene	15.894	252	13446	0.43	ppb	81

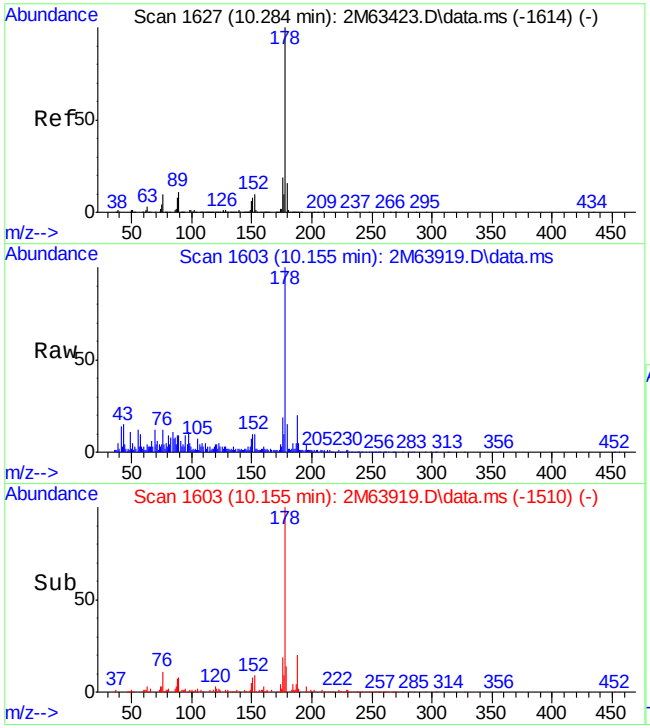
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63919.D
Acq On : 28 May 2014 3:14 am
Operator : ashleyd
Sample : jb67744-8
Misc : op75114,E2M2711,33.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 16:32:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu May 29 10:51:55 2014
QLast Update : Thu May 29 13:27:18 2014
Response via : Initial Calibration

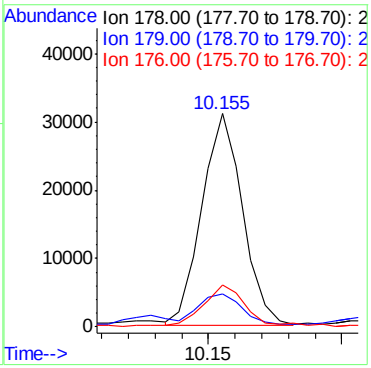


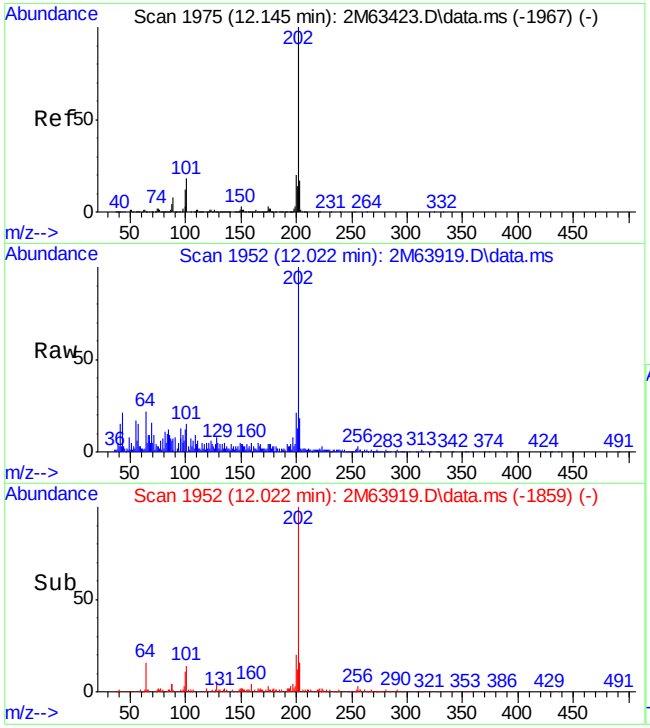


#77
Phenanthrene
Concen: 0.63 ppb m
RT: 10.155 min Scan# 1603
Delta R.T. -0.000 min
Lab File: 2M63919.D
Acq: 28 May 2014 3:14 am

Tgt Ion:178 Resp: 33143

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	45.5
176	19.4	0.0	48.7

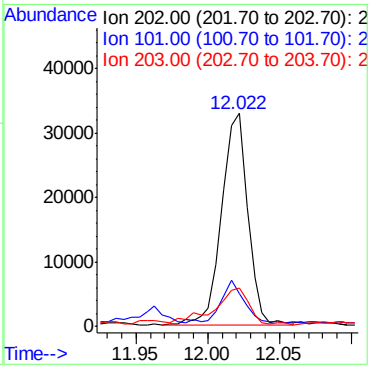


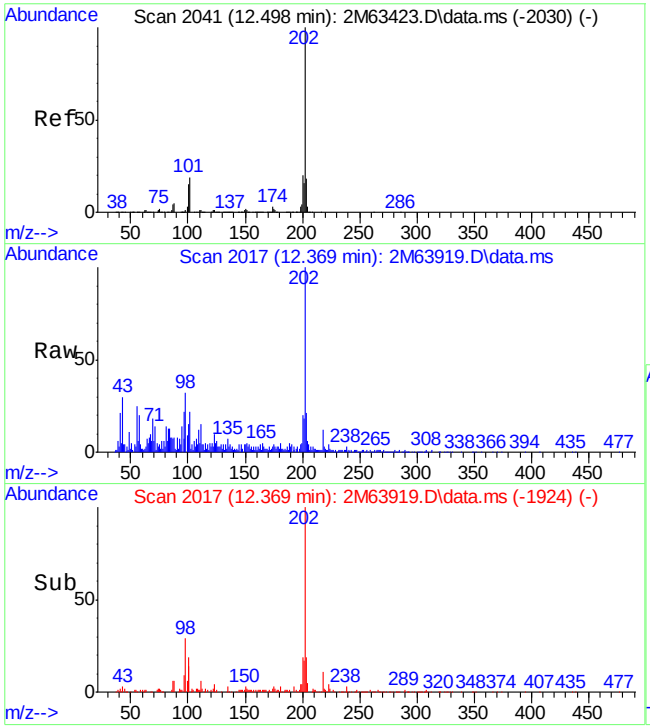


#81
Fluoranthene
Concen: 0.89 ppb
RT: 12.022 min Scan# 1952
Delta R.T. -0.000 min
Lab File: 2M63919.D
Acq: 28 May 2014 3:14 am

Tgt Ion:202 Resp: 41267

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	47.5
203	16.6	0.0	47.3

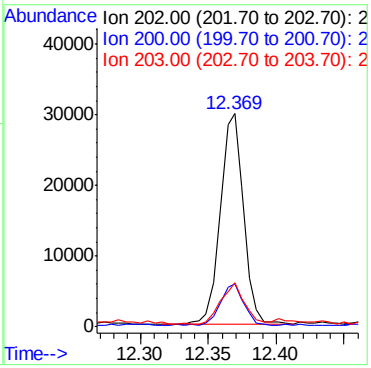


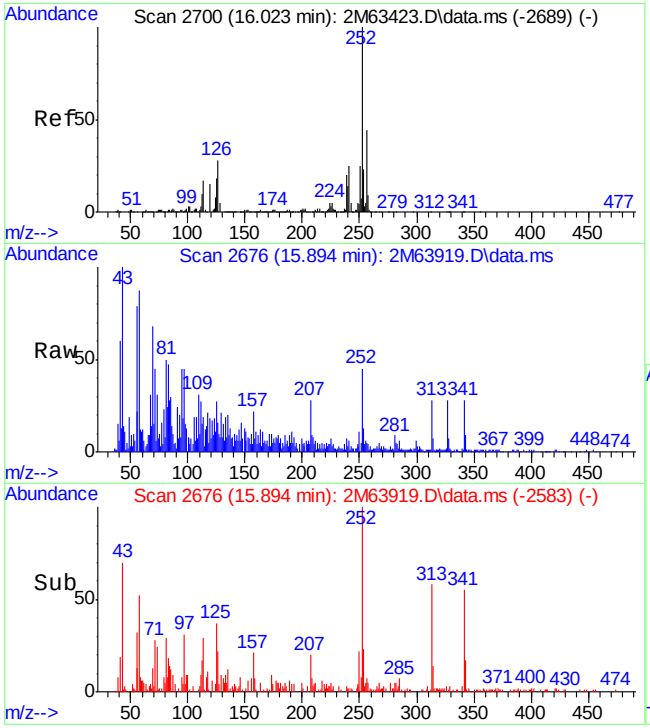


#84
Pyrene
Concen: 0.76 ppb
RT: 12.369 min Scan# 2017
Delta R.T. -0.000 min
Lab File: 2M63919.D
Acq: 28 May 2014 3:14 am

Tgt Ion:202 Resp: 36194

Ion	Ratio	Lower	Upper
202	100		
200	19.7	0.0	50.2
203	18.8	0.0	47.9

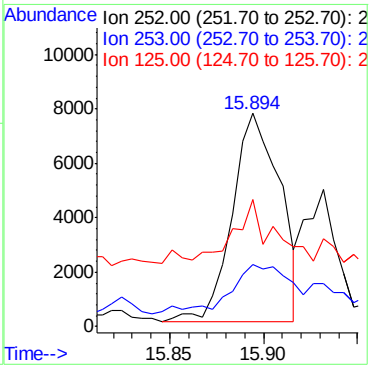




#94
Benzo[b]fluoranthene
Concen: 0.43 ppb
RT: 15.894 min Scan# 2676
Delta R.T. -0.000 min
Lab File: 2M63919.D
Acq: 28 May 2014 3:14 am

Tgt Ion:252 Resp: 13446

Ion	Ratio	Lower	Upper
252	100		
253	18.8	0.0	53.3
125	32.4	0.0	47.9



Manual Integration Approval Summary

Sample Number: JB67744-8
Lab FileID: 2M63919.D
Injection Time: 05/28/14 03:14
Method: SW846 8270D
Analyst approved: 05/29/14 17:01 Andrew Lee Smith
Supervisor approved: 06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenanthrene	85-01-8		10.16	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63920.D
Acq On : 28 May 2014 3:39 am
Operator : ashleyd
Sample : jb67744-9
Misc : op75114,E2M2711,31.4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:34:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

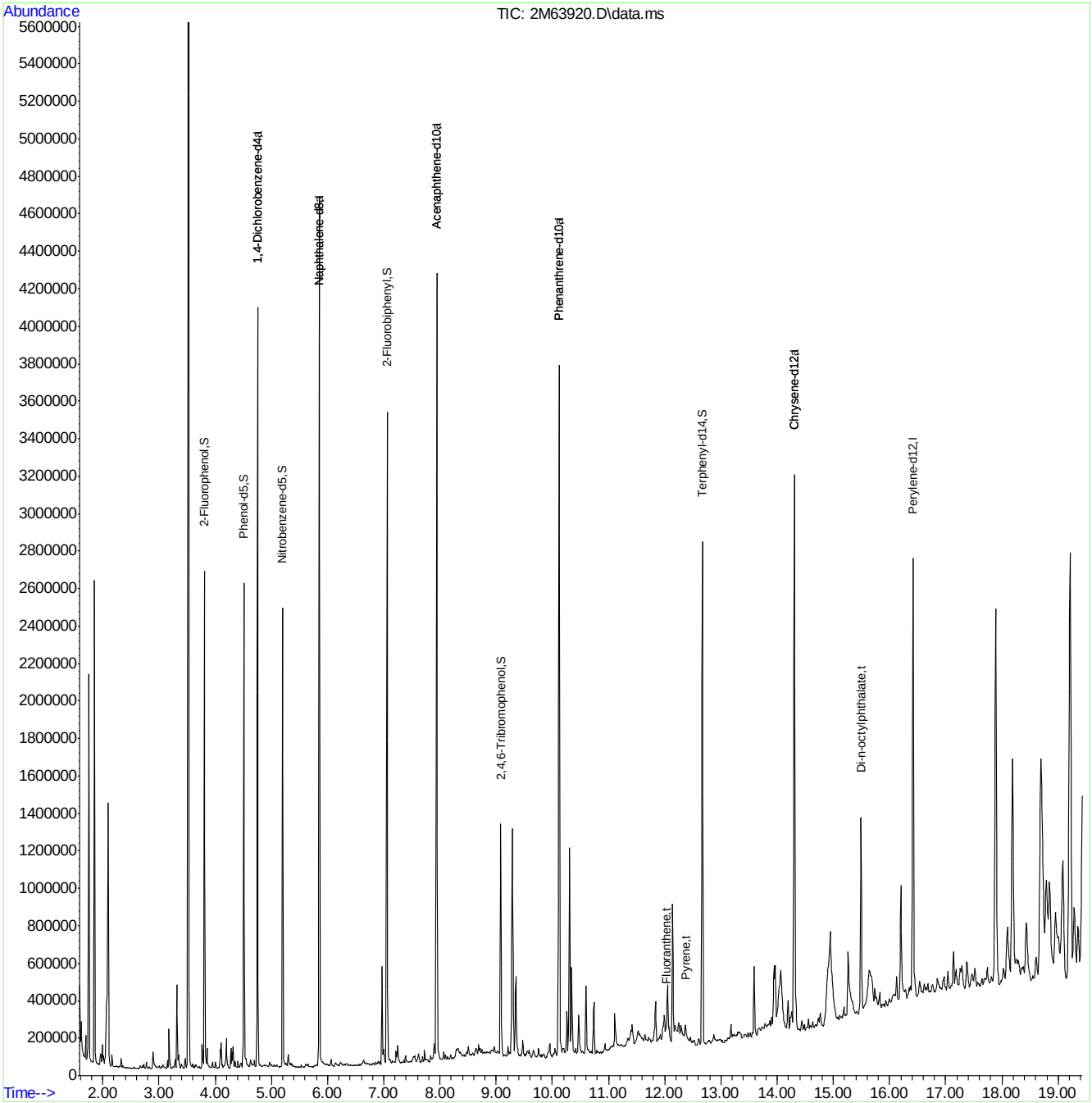
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	527396	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2067557	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1162687	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1746095	40.00	ppb	-0.12
83) Chrysene-d12	14.306	240	1314762	40.00	ppb	-0.21
92) Perylene-d12	16.419	264	1103956	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	527396	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1162687	40.00	ppb	-0.10
106) Chrysene-d12a	14.306	240	1314762	40.00	ppb	-0.21
108) Phenanthrene-d10a	10.123	188	1746095	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2067557	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.807	112	676685	34.62	ppb	-0.04
Spiked Amount 50.000			Recovery = 69.24%			
8) Phenol-d5	4.513	99	876378	36.42	ppb	-0.04
Spiked Amount 50.000			Recovery = 72.84%			
25) Nitrobenzene-d5	5.197	82	692601	37.46	ppb	-0.07
Spiked Amount 50.000			Recovery = 74.92%			
51) 2-Fluorobiphenyl	7.059	172	1307083	36.69	ppb	-0.09
Spiked Amount 50.000			Recovery = 73.38%			
73) 2,4,6-Tribromophenol	9.080	330	124562	48.61	ppb	-0.11
Spiked Amount 50.000			Recovery = 97.22%			
85) Terphenyl-d14	12.669	244	1087061	41.33	ppb	-0.17
Spiked Amount 50.000			Recovery = 82.66%			
Target Compounds						Qvalue
81) Fluoranthene	12.017	202	24975	0.53	ppb	94
84) Pyrene	12.370	202	22192	0.46	ppb	99
93) Di-n-octylphthalate	15.499	149	127931m	3.11	ppb	

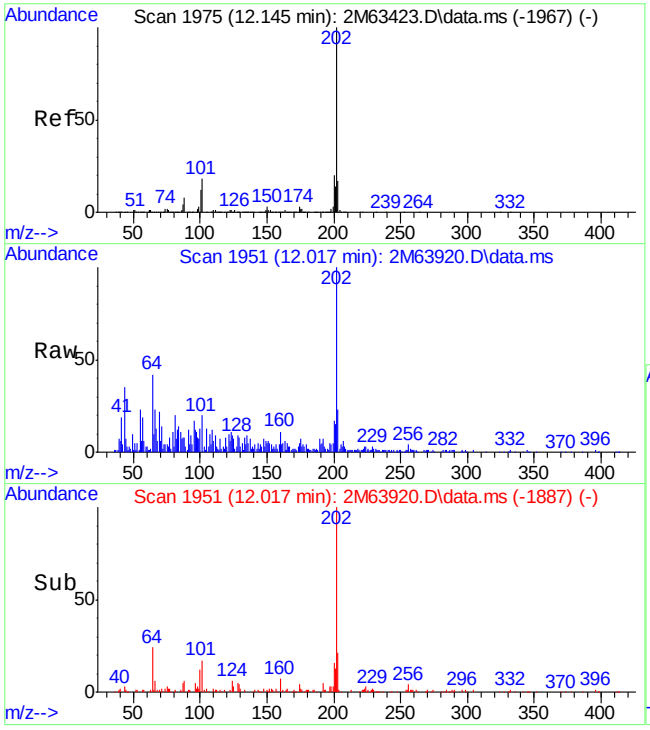
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63920.D
Acq On : 28 May 2014 3:39 am
Operator : ashleyd
Sample : jb67744-9
Misc : op75114,E2M2711,31.4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:34:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

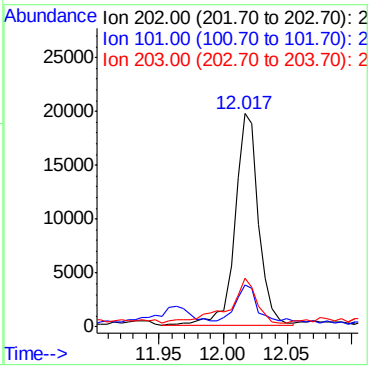


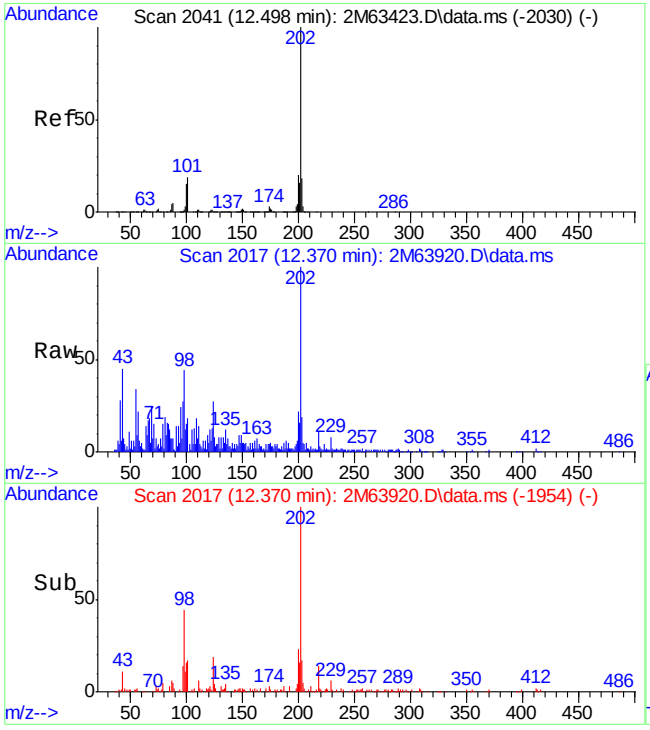


#81
Fluoranthene
Concen: 0.53 ppb
RT: 12.017 min Scan# 1951
Delta R.T. -0.160 min
Lab File: 2M63920.D
Acq: 28 May 2014 3:39 am

Tgt Ion:202 Resp: 24975

Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	47.5
203	21.1	0.0	47.3

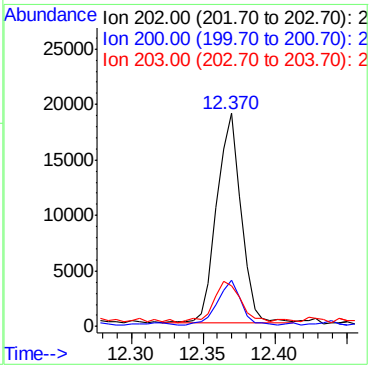


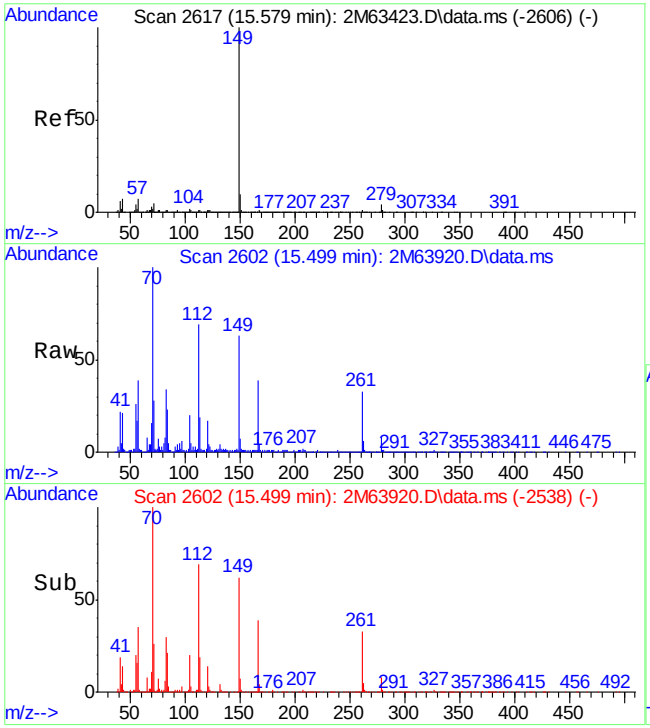


#84
Pyrene
Concen: 0.46 ppb
RT: 12.370 min Scan# 2017
Delta R.T. -0.166 min
Lab File: 2M63920.D
Acq: 28 May 2014 3:39 am

Tgt Ion:202 Resp: 22192

Ion	Ratio	Lower	Upper
202	100		
200	20.4	0.0	50.2
203	16.8	0.0	47.9

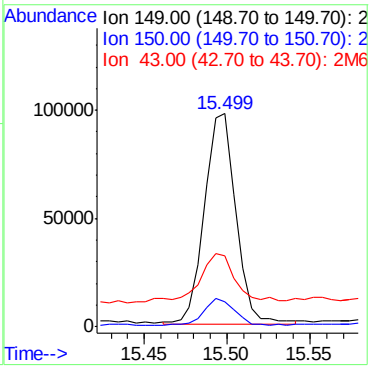




#93
Di-n-octylphthalate
Concen: 3.11 ppb m
RT: 15.499 min Scan# 2602
Delta R.T. -0.160 min
Lab File: 2M63920.D
Acq: 28 May 2014 3:39 am

Tgt Ion:149 Resp: 127931

Ion	Ratio	Lower	Upper
149	100		
150	11.8	0.0	39.7
43	33.3	0.0	37.4



Manual Integration Approval Summary

Sample Number:	JB67744-9	**Method:**	SW846 8270D
Lab FileID:	2M63920.D	**Analyst approved:**	05/29/14 17:01 Andrew Lee Smith
Injection Time:	05/28/14 03:39	**Supervisor approved:**	06/03/14 13:58 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Di-n-octyl phthalate	117-84-0		15.50	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63921.D
Acq On : 28 May 2014 4:05 am
Operator : ashleyd
Sample : jb67744-10
Misc : op75114,E2M2711,33.0
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 16:35:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

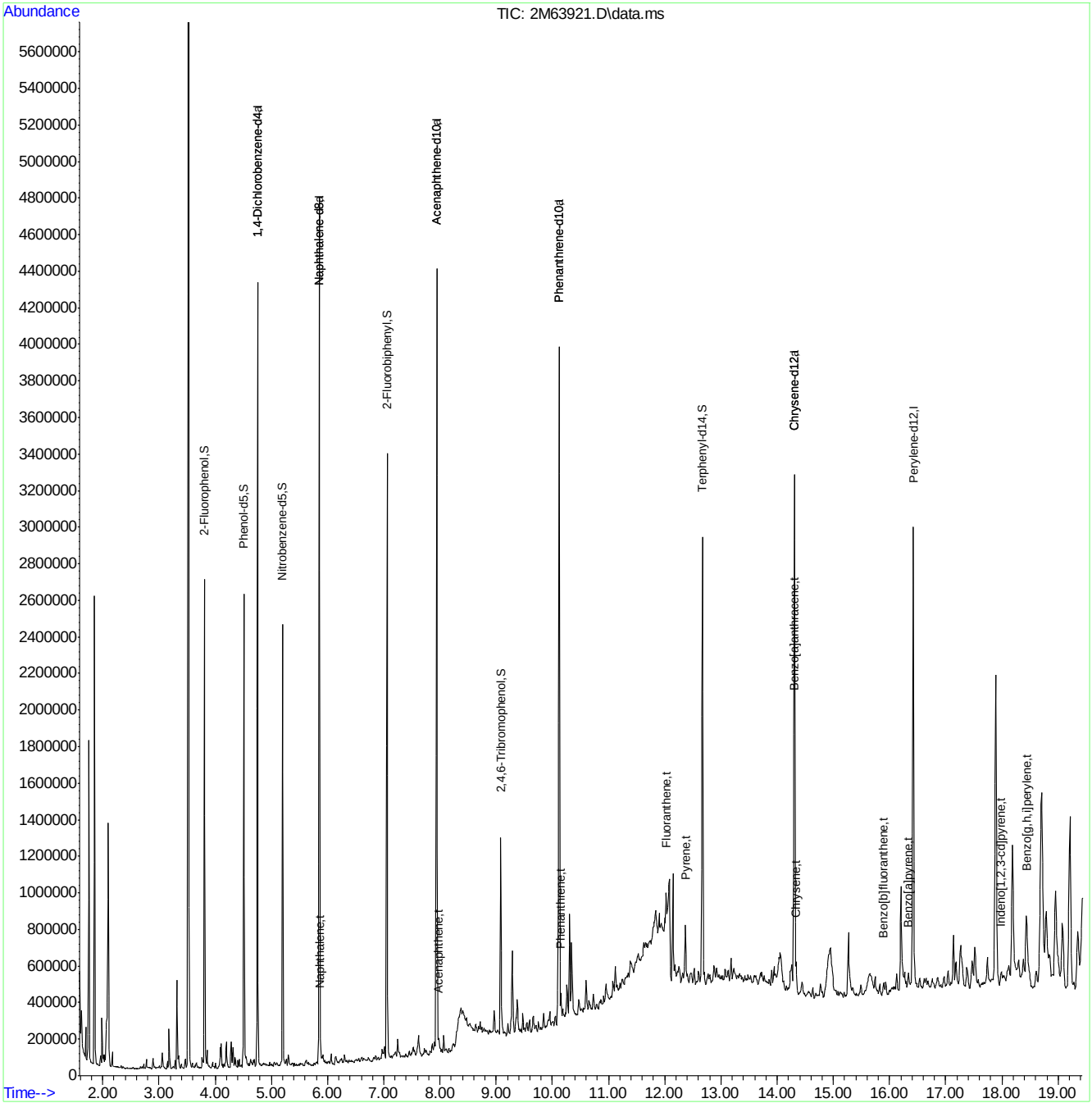
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	542195	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2120956	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1186072	40.00	ppb	-0.10
69) Phenanthrene-d10	10.123	188	1776552	40.00	ppb	-0.12
83) Chrysene-d12	14.306	240	1312159	40.00	ppb	-0.21
92) Perylene-d12	16.424	264	1114616	40.00	ppb	-0.37
102) 1,4-Dichlorobenzene-d4a	4.753	152	542195	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1186072	40.00	ppb	-0.10
106) Chrysene-d12a	14.306	240	1312159	40.00	ppb	-0.21
108) Phenanthrene-d10a	10.123	188	1776552	40.00	ppb	-0.12
110) Naphthalene-d8a	5.855	136	2120956	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.806	112	667205	33.20	ppb	-0.04
Spiked Amount 50.000			Recovery = 66.40%			
8) Phenol-d5	4.512	99	853246	34.49	ppb	-0.04
Spiked Amount 50.000			Recovery = 68.98%			
25) Nitrobenzene-d5	5.197	82	684833	36.11	ppb	-0.07
Spiked Amount 50.000			Recovery = 72.22%			
51) 2-Fluorobiphenyl	7.058	172	1279543	35.21	ppb	-0.09
Spiked Amount 50.000			Recovery = 70.42%			
73) 2,4,6-Tribromophenol	9.085	330	116256	44.59	ppb	-0.11
Spiked Amount 50.000			Recovery = 89.18%			
85) Terphenyl-d14	12.674	244	1002255	38.18	ppb	-0.17
Spiked Amount 50.000			Recovery = 76.36%			
Target Compounds						Qvalue
38) Naphthalene	5.876	128	35323	0.59	ppb	100
59) Acenaphthene	7.984	153	14724	0.41	ppb	87
77) Phenanthrene	10.155	178	68486	1.27	ppb	98
81) Fluoranthene	12.027	202	89298	1.87	ppb	96
84) Pyrene	12.370	202	115825	2.41	ppb	99
88) Benzo[a]anthracene	14.290	228	35499	0.98	ppb	95
90) Chrysene	14.343	228	56412	1.52	ppb	97
94) Benzo[b]fluoranthene	15.894	252	39285	1.25	ppb	91
96) Benzo[a]pyrene	16.338	252	30012	1.05	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.991	276	19780	0.59	ppb	88
101) Benzo[g,h,i]perylene	18.435	276	22733	0.82	ppb	94

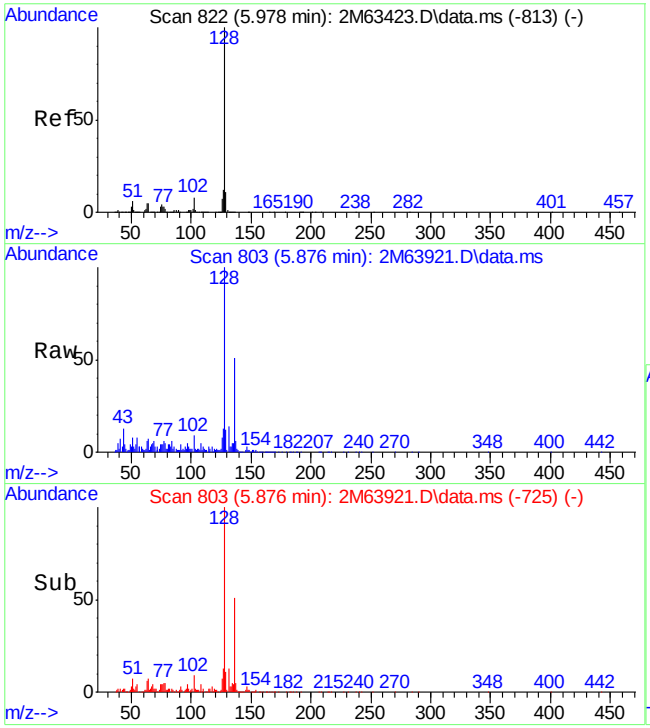
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63921.D
Acq On : 28 May 2014 4:05 am
Operator : ashleyd
Sample : jb67744-10
Misc : op75114,E2M2711,33.0
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 16:35:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

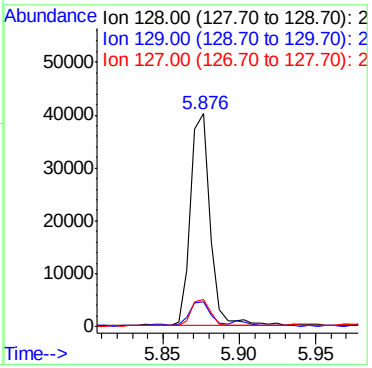


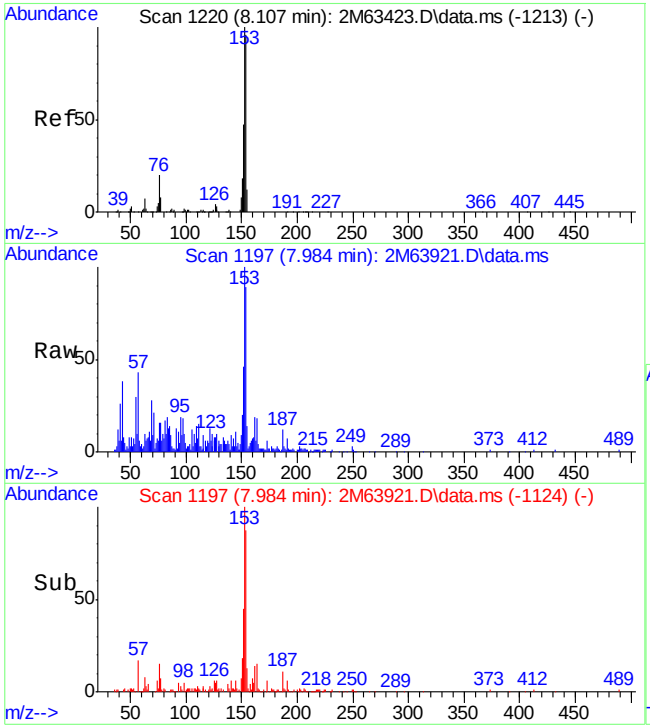


#38
Naphthalene
Concen: 0.59 ppb
RT: 5.876 min Scan# 803
Delta R.T. -0.080 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:128 Resp: 35323

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.9
127	12.2	0.0	42.2

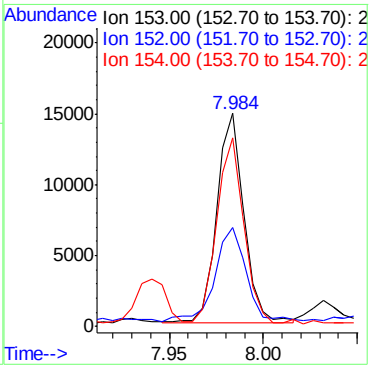


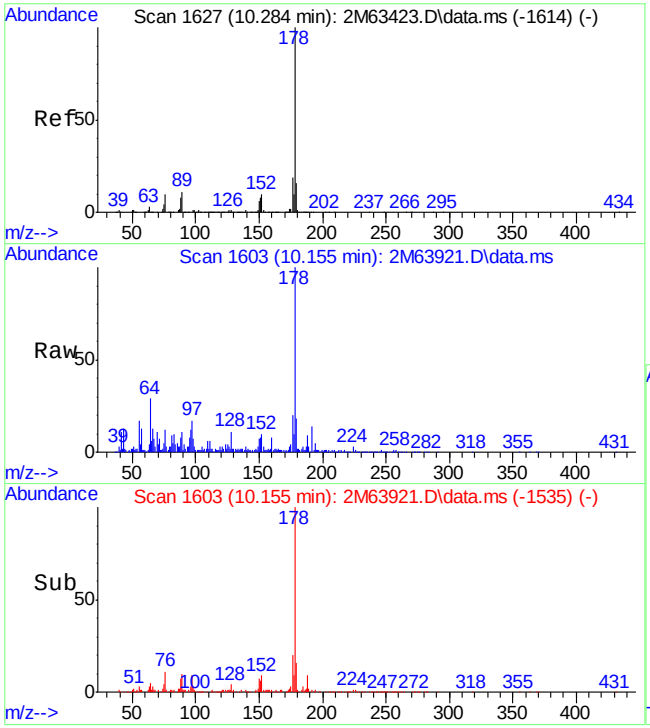


#59
Acenaphthene
Concen: 0.41 ppb
RT: 7.984 min Scan# 1197
Delta R.T. -0.107 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:153 Resp: 14724

Ion	Ratio	Lower	Upper
153	100		
152	44.6	17.5	77.5
154	79.3	66.3	126.3

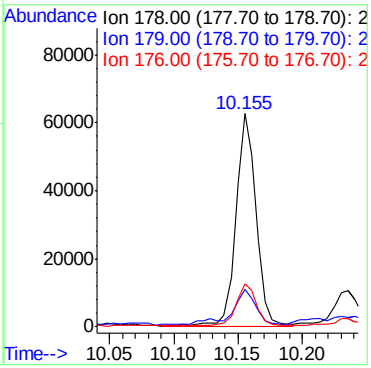


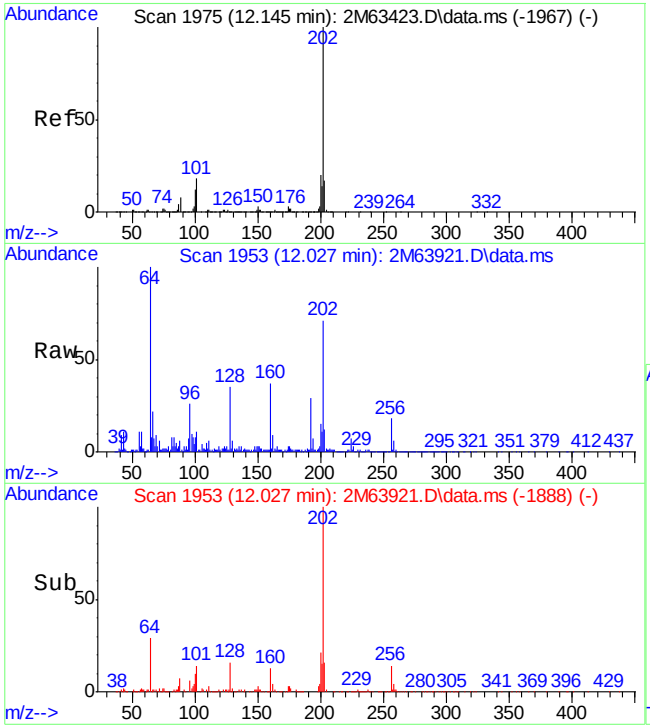


#77
Phenanthrene
Concen: 1.27 ppb
RT: 10.155 min Scan# 1603
Delta R.T. -0.134 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:178 Resp: 68486

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.5
176	19.9	0.0	48.7

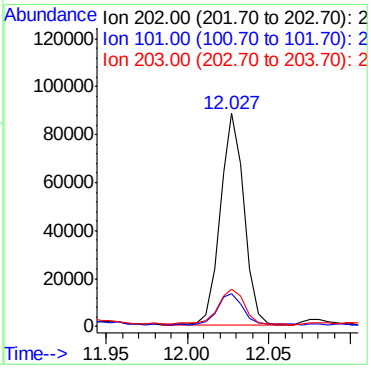


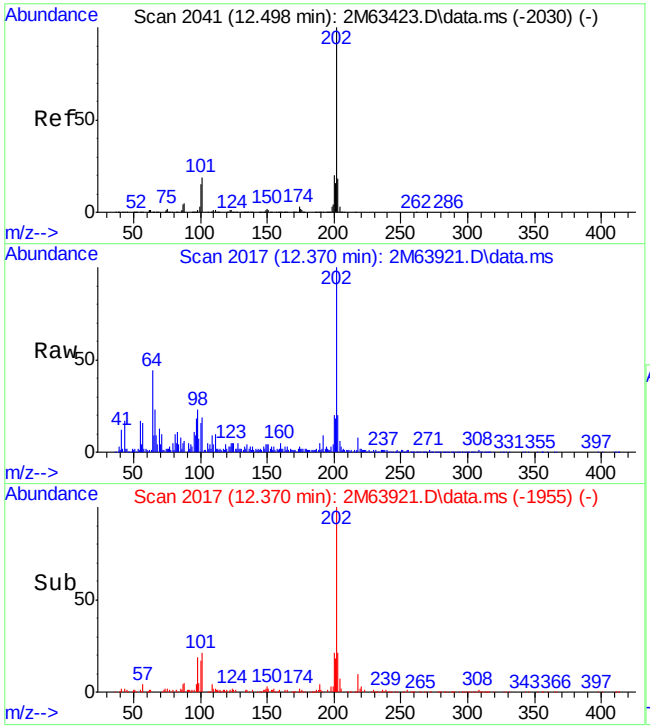


#81
Fluoranthene
Concen: 1.87 ppb
RT: 12.027 min Scan# 1953
Delta R.T. -0.150 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:202 Resp: 89298

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	47.5
203	16.5	0.0	47.3

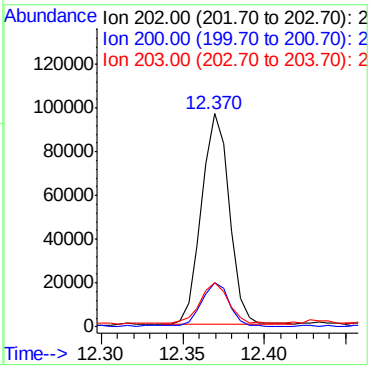


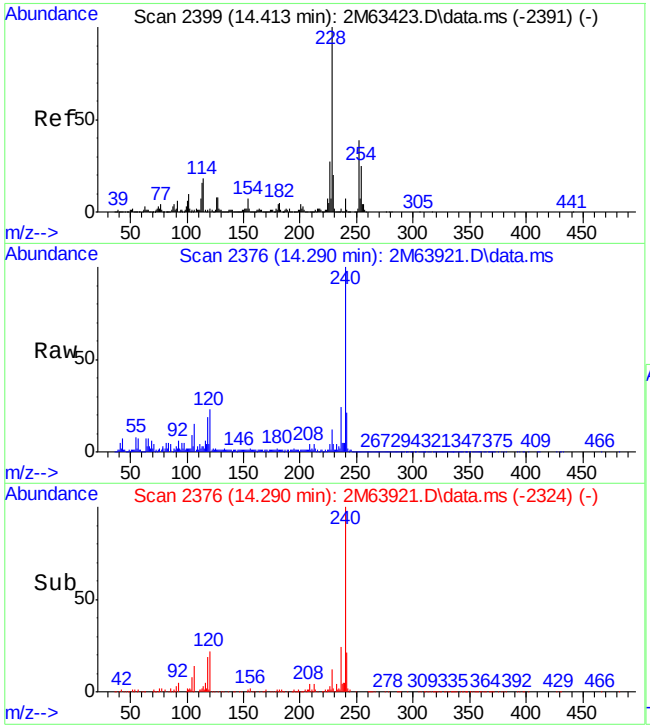


#84
Pyrene
Concen: 2.41 ppb
RT: 12.370 min Scan# 2017
Delta R.T. -0.166 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:202 Resp: 115825

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.0	50.2
203	18.8	0.0	47.9

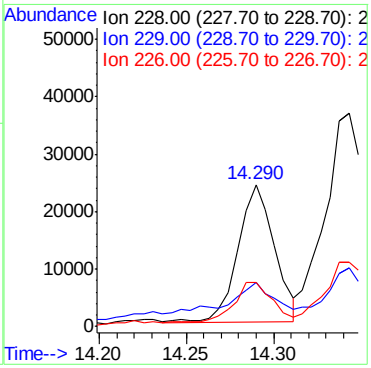


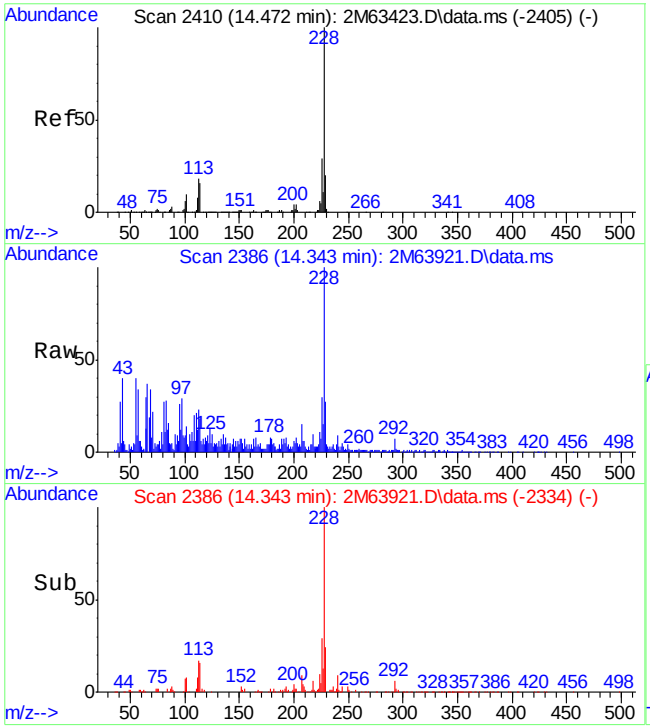


#88
Benzo[a]anthracene
Concen: 0.98 ppb
RT: 14.290 min Scan# 2376
Delta R.T. -0.219 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:228 Resp: 35499

Ion	Ratio	Lower	Upper
228	100		
229	22.6	0.0	49.6
226	29.4	0.0	57.0

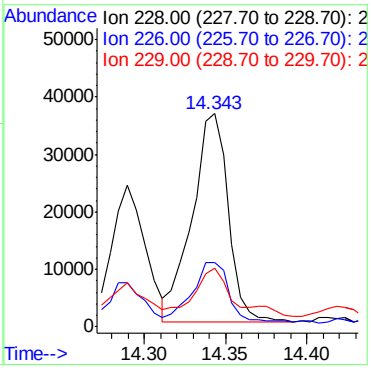


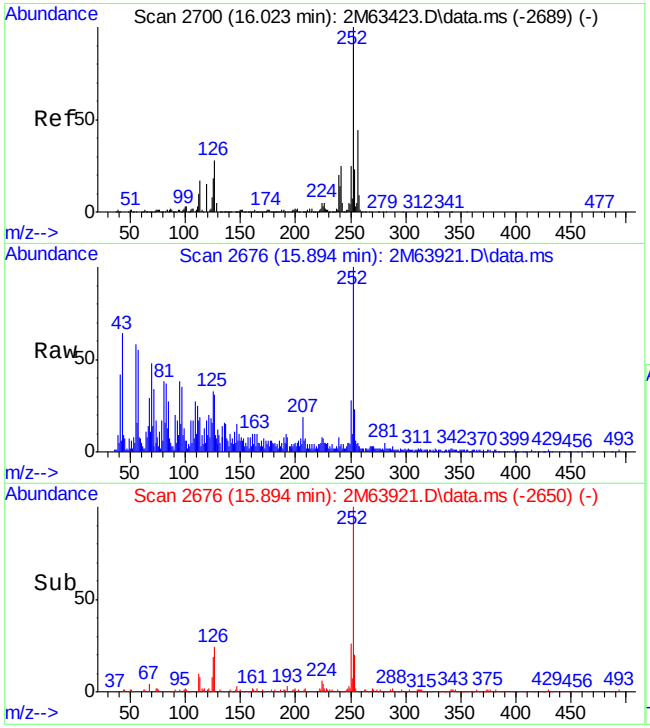


#90
Chrysene
Concen: 1.52 ppb
RT: 14.343 min Scan# 2386
Delta R.T. -0.219 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:228 Resp: 56412

Ion	Ratio	Lower	Upper
228	100		
226	28.9	0.0	58.9
229	22.5	0.0	49.7

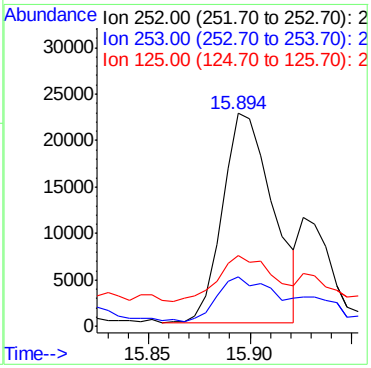


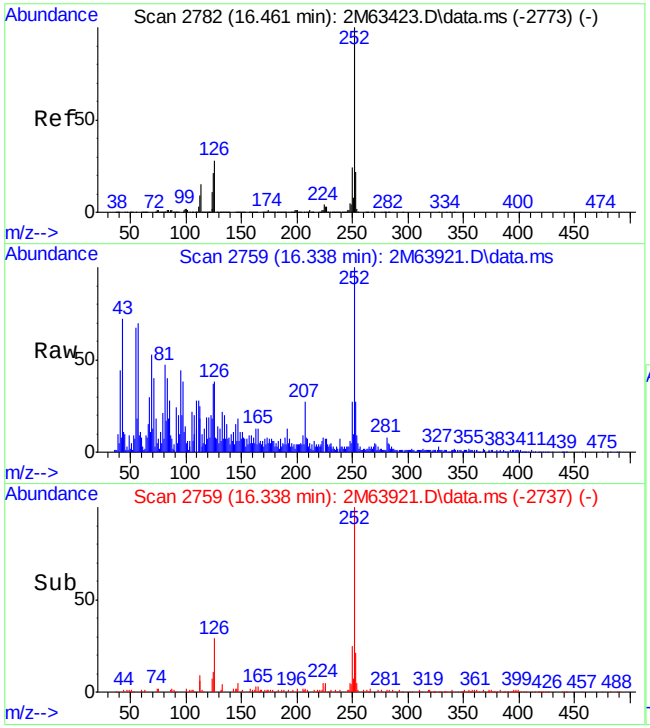


#94
Benzo[b]fluoranthene
Concen: 1.25 ppb
RT: 15.894 min Scan# 2676
Delta R.T. -0.358 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:252 Resp: 39285

Ion	Ratio	Lower	Upper
252	100		
253	18.6	0.0	53.3
125	21.6	0.0	47.9

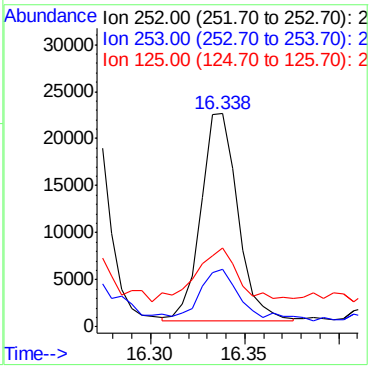


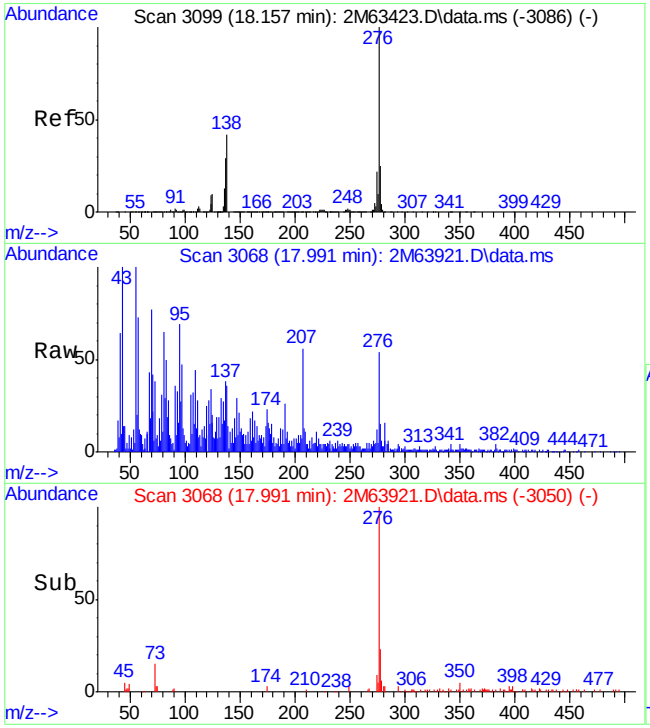


#96
Benzo[a]pyrene
Concen: 1.05 ppb
RT: 16.338 min Scan# 2759
Delta R.T. -0.380 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:252 Resp: 30012

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	52.4
125	23.1	0.0	50.8

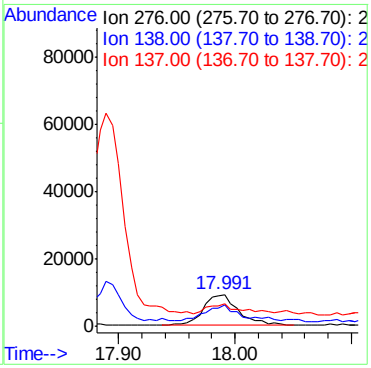


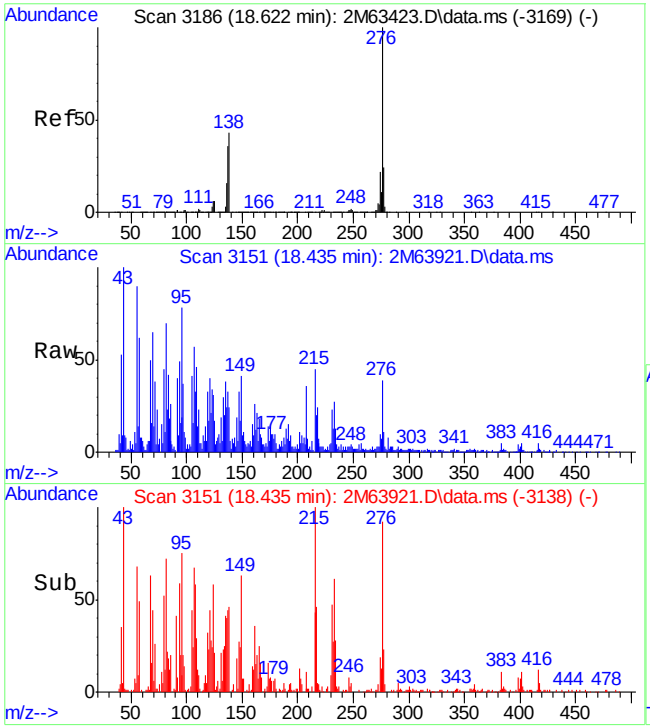


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.59 ppb
RT: 17.991 min Scan# 3068
Delta R.T. -0.401 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:276 Resp: 19780

Ion	Ratio	Lower	Upper
276	100		
138	46.4	11.9	71.9
137	18.9	0.0	58.6

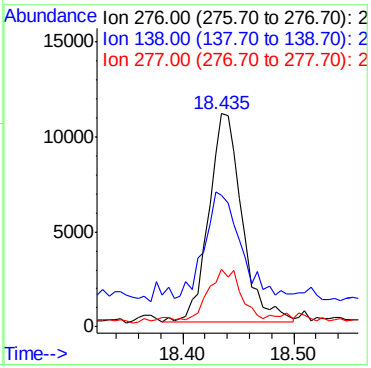




#101
Benzo[g,h,i]perylene
Concen: 0.82 ppb
RT: 18.435 min Scan# 3151
Delta R.T. -0.428 min
Lab File: 2M63921.D
Acq: 28 May 2014 4:05 am

Tgt Ion:276 Resp: 22733

Ion	Ratio	Lower	Upper
276	100		
138	48.5	12.9	72.9
277	23.8	0.0	53.9



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91946.D
Acq On : 29 May 2014 7:35 am
Operator : ashleyd
Sample : jb67744-11
Misc : op75133,ez4575,970
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 04 13:59:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

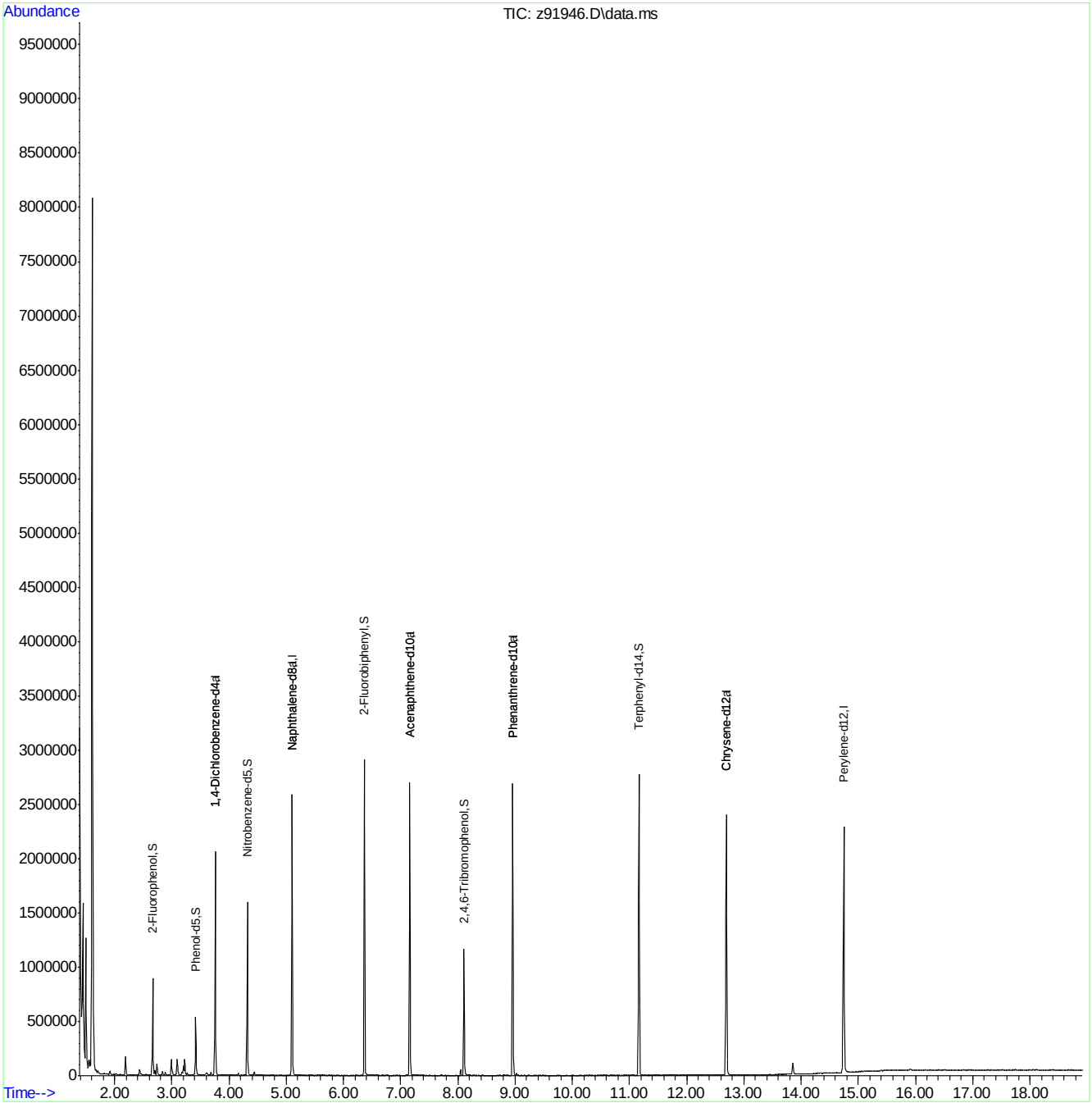
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	291281	40.00	ppb	0.00
24) Naphthalene-d8	5.100	136	1136866	40.00	ppb	0.00
47) Acenaphthene-d10	7.157	164	622637	40.00	ppb	0.00
69) Phenanthrene-d10	8.957	188	1056862	40.00	ppb	0.00
83) Chrysene-d12	12.697	240	1045909	40.00	ppb	0.00
92) Perylene-d12	14.748	264	972867	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.759	152	291281	40.00	ppb	0.00
104) Phenanthrene-d10a	8.957	188	1056862	40.00	ppb	0.00
107) Chrysene-d12a	12.697	240	1045909	40.00	ppb	0.00
110) Acenaphthene-d10a	7.157	164	622637	40.00	ppb	0.00
112) Naphthalene-d8a	5.100	136	1136866	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	239457	24.06	ppb	0.00
Spiked Amount 50.000			Recovery = 48.12%			
8) Phenol-d5	3.417	99	187299	14.94	ppb	0.00
Spiked Amount 50.000			Recovery = 29.88%			
25) Nitrobenzene-d5	4.320	82	489815	48.89	ppb	0.00
Spiked Amount 50.000			Recovery = 97.78%			
51) 2-Fluorobiphenyl	6.366	172	883448	44.76	ppb	0.00
Spiked Amount 50.000			Recovery = 89.52%			
73) 2,4,6-Tribromophenol	8.113	330	138433	53.60	ppb	0.00
Spiked Amount 50.000			Recovery = 107.20%			
86) Terphenyl-d14	11.169	244	1115134	53.01	ppb	0.00
Spiked Amount 50.000			Recovery = 106.02%			
106) 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/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91946.D
Acq On : 29 May 2014 7:35 am
Operator : ashleyd
Sample : jb67744-11
Misc : op75133,ez4575,970
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 04 13:59:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7506.D
Acq On : 29 May 2014 9:05 pm
Operator : ashleyv
Sample : jb67744-12
Misc : op75136,e6p318,34.9
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 06 17:58:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration

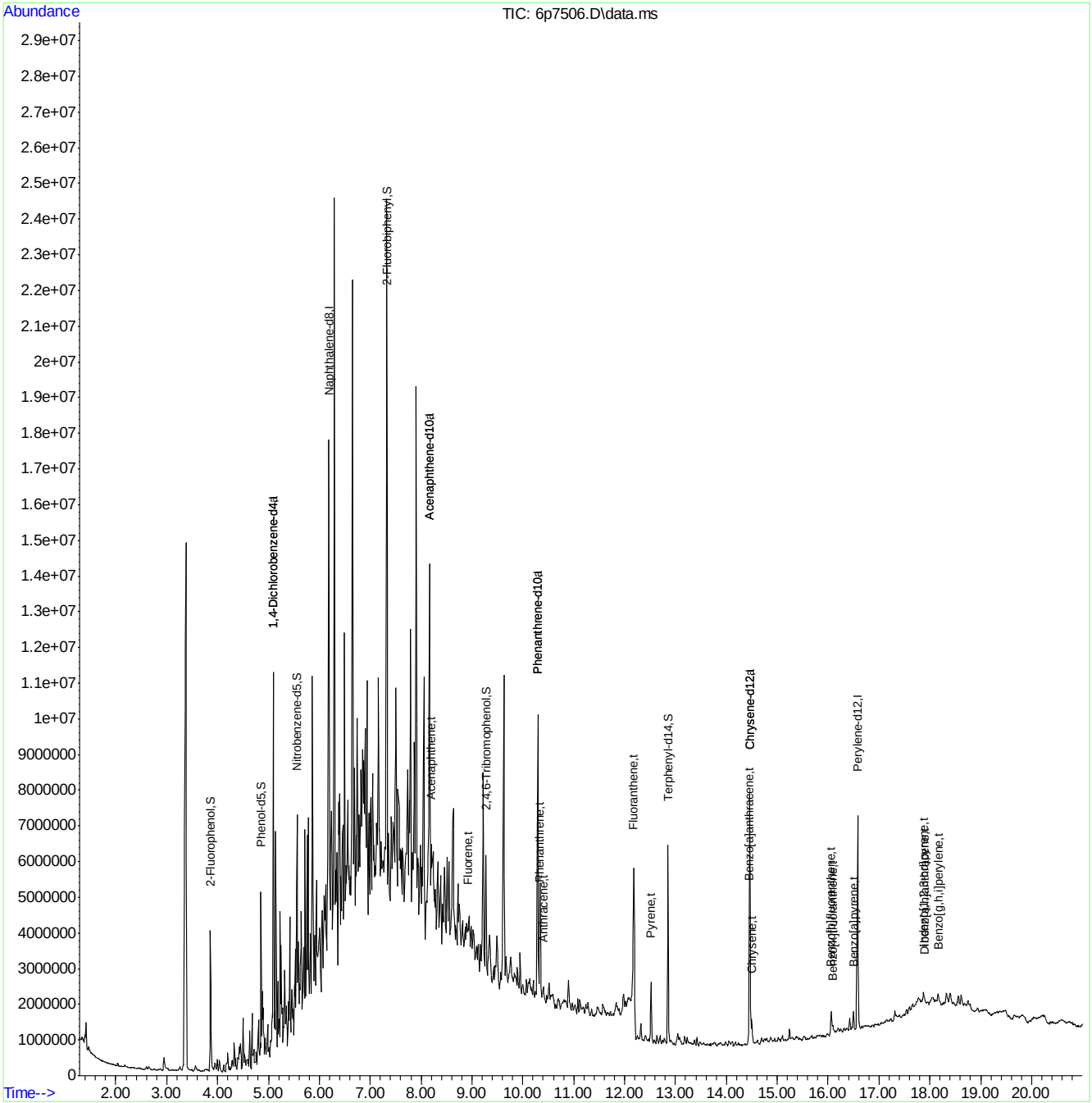
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.095	152	976235	40.00	ppb	-0.05
24) Naphthalene-d8	6.186	136	3656117	40.00	ppb	-0.06
47) Acenaphthene-d10	8.165	164	2071558	40.00	ppb	-0.07
69) Phenanthrene-d10	10.289	188	3183060	40.00	ppb	-0.09
83) Chrysene-d12	14.460	240	2928796	40.00	ppb	-0.10
92) Perylene-d12	16.578	264	2701714	40.00	ppb	-0.10
102) 1,4-Dichlorobenzene-d4a	5.095	152	976207	40.00	ppb	-0.05
104) Phenanthrene-d10a	10.289	188	3183060	40.00	ppb	-0.09
106) Chrysene-d12a	14.460	240	2928796	40.00	ppb	-0.10
108) Acenaphthene-d10a	8.165	164	2071558	40.00	ppb	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	3.859	112	1070568	30.43	ppb	-0.06
Spiked Amount 50.000			Recovery = 60.86%			
8) Phenol-d5	4.854	99	1410483	28.05	ppb	-0.05
Spiked Amount 50.000			Recovery = 56.10%			
25) Nitrobenzene-d5	5.566	82	1411700	29.24	ppb	-0.05
Spiked Amount 50.000			Recovery = 58.48%			
51) 2-Fluorobiphenyl	7.331	172	2135636	35.09	ppb	-0.07
Spiked Amount 50.000			Recovery = 70.18%			
73) 2,4,6-Tribromophenol	9.272	330	361428	43.88	ppb	-0.08
Spiked Amount 50.000			Recovery = 87.76%			
86) Terphenyl-d14	12.856	244	2093293	36.81	ppb	-0.09
Spiked Amount 50.000			Recovery = 73.62%			
Target Compounds						Qvalue
59) Acenaphthene	8.203	153	61333	1.10	ppb	97
66) Fluorene	8.914	166	73362	1.16	ppb	98
77) Phenanthrene	10.326	178	418509	4.91	ppb	98
78) Anthracene	10.401	178	143607	1.68	ppb	92
81) Fluoranthene	12.177	202	702490	7.80	ppb	96
84) Pyrene	12.519	202	724119	8.42	ppb	93
88) Benzo[a]anthracene	14.450	228	300073	3.85	ppb	98
90) Chrysene	14.498	228	279307	3.90	ppb	98
94) Benzo[b]fluoranthene	16.060	252	307547	3.81	ppb	93
95) Benzo[k]fluoranthene	16.092	252	102803	1.38	ppb	94
96) Benzo[a]pyrene	16.498	252	240689	3.47	ppb	95
97) Indeno[1,2,3-cd]pyrene	17.878	276	162328	2.27	ppb	95
99) Dibenz[a,h]anthracene	17.905	278	38820	0.57	ppb	82
101) Benzo[g,h,i]perylene	18.162	276	162580	2.38	ppb	98

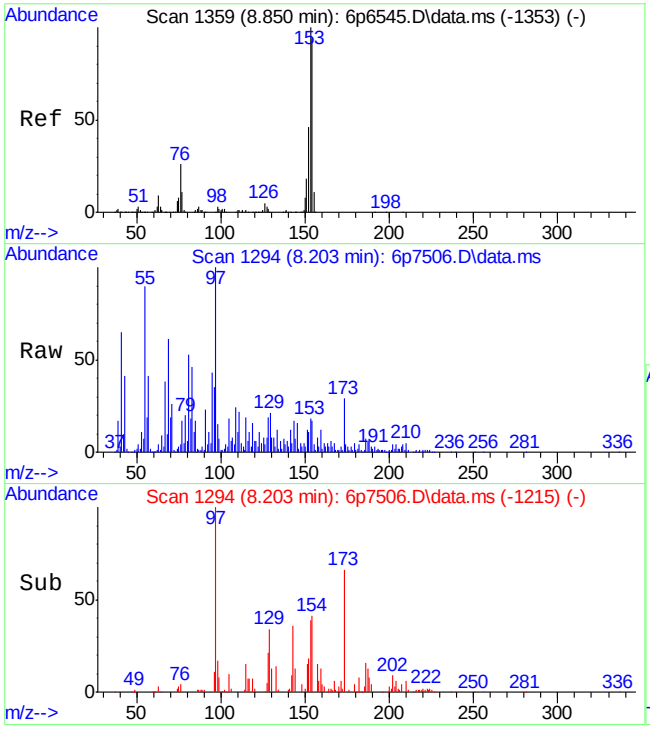
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7506.D
Acq On : 29 May 2014 9:05 pm
Operator : ashleyv
Sample : jb67744-12
Misc : op75136,e6p318,34.9
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 06 17:58:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration

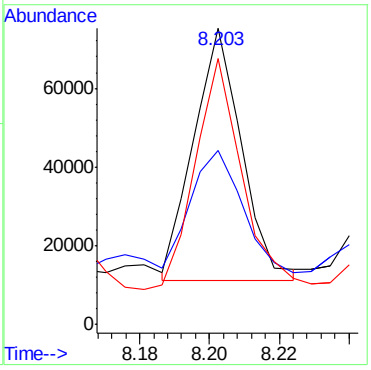


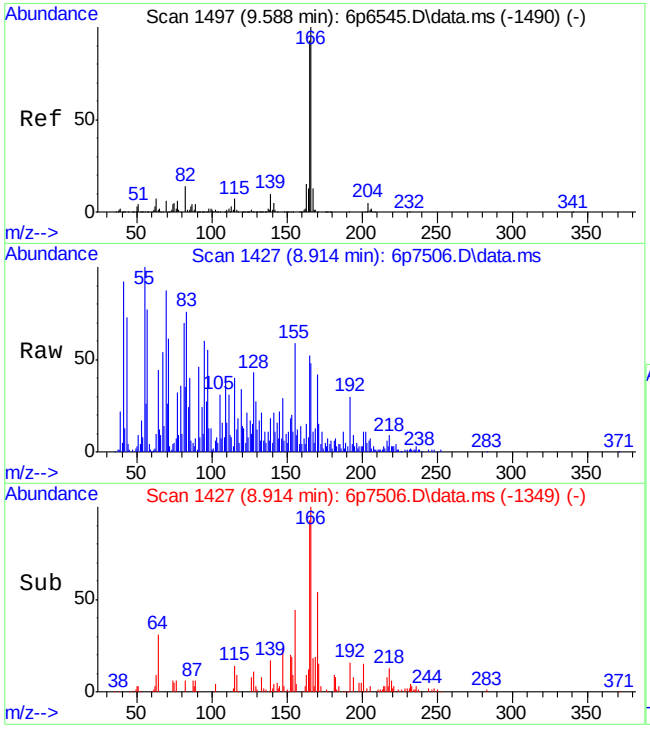


#59
Acenaphthene
Concen: 1.10 ppb
RT: 8.203 min Scan# 1294
Delta R.T. -0.075 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:153 Resp: 61333

Ion	Ratio	Lower	Upper
153	100		
152	49.3	16.2	76.2
154	92.1	63.6	123.6

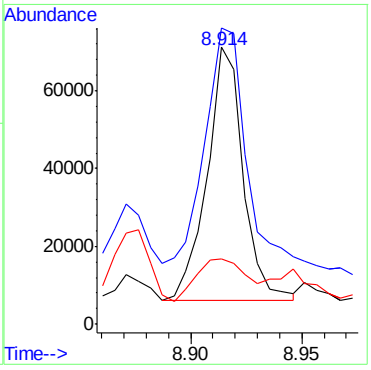


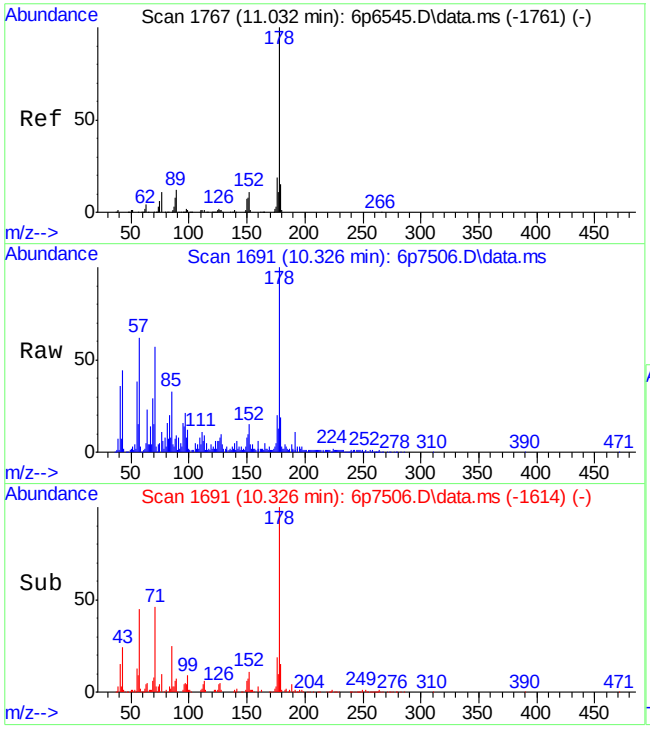


#66
Fluorene
Concen: 1.16 ppb
RT: 8.914 min Scan# 1427
Delta R.T. -0.081 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:166 Resp: 73362

Ion	Ratio	Lower	Upper
166	100		
165	93.0	62.6	122.6
167	9.1	0.0	42.9

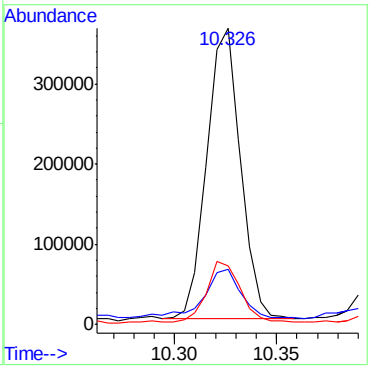


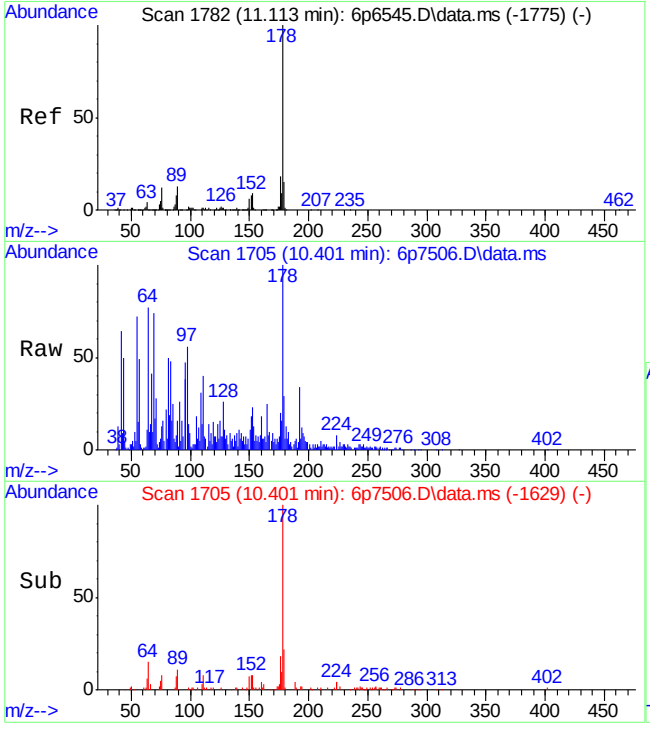


#77
Phenanthrene
Concen: 4.91 ppb
RT: 10.326 min Scan# 1691
Delta R.T. -0.086 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:178 Resp: 418509

Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	45.4
176	19.4	0.0	48.6

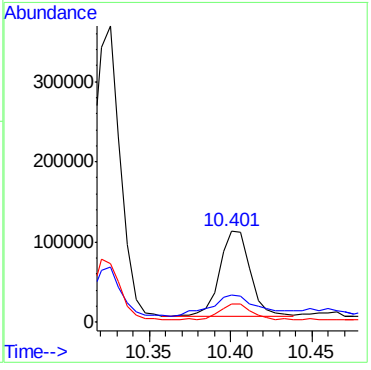


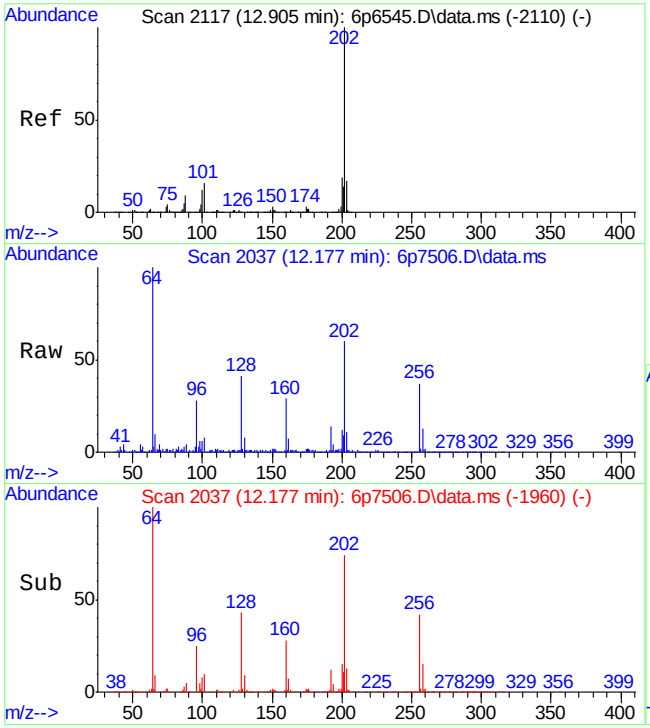


#78
Anthracene
Concen: 1.68 ppb
RT: 10.401 min Scan# 1705
Delta R.T. -0.091 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:178 Resp: 143607

Ion	Ratio	Lower	Upper
178	100		
179	20.7	0.0	44.9
176	19.2	0.0	48.1

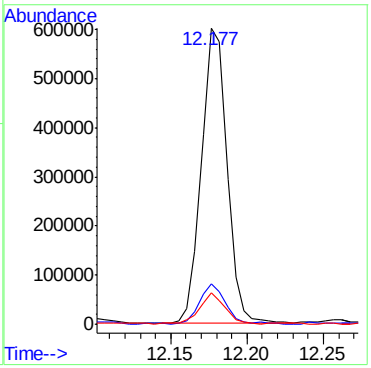


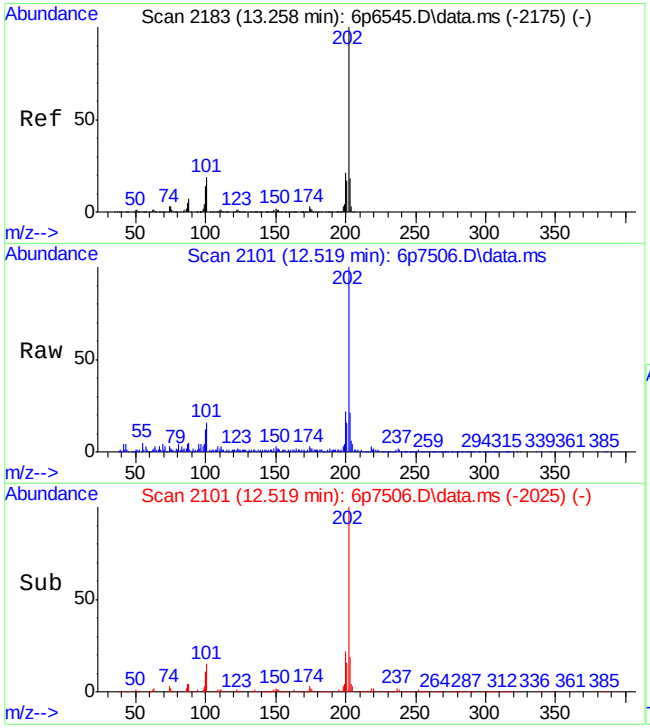


#81
Fluoranthene
Concen: 7.80 ppb
RT: 12.177 min Scan# 2037
Delta R.T. -0.086 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:202 Resp: 702490

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	45.6
100	10.1	0.0	41.6

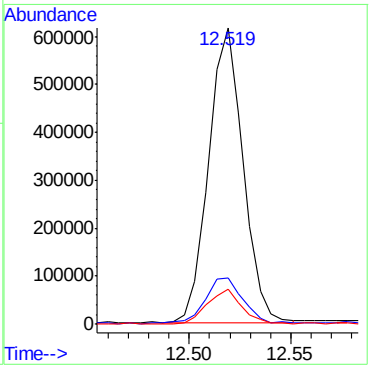


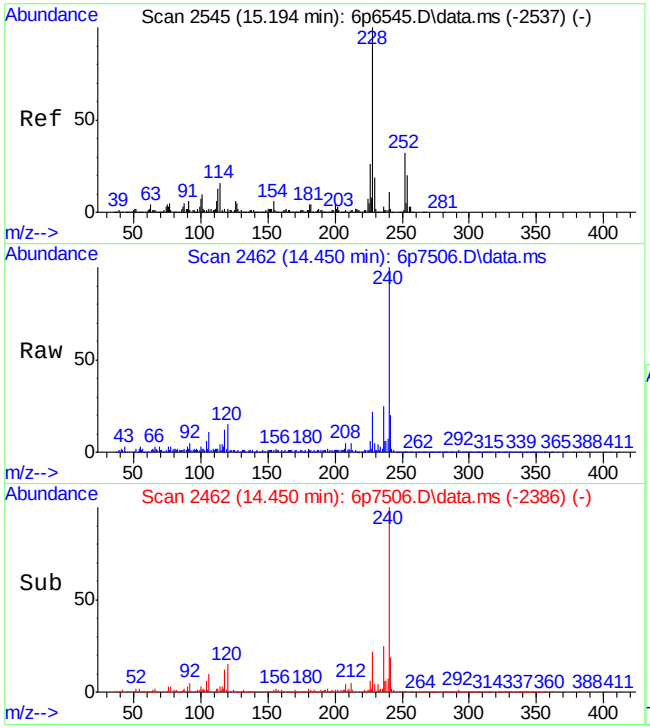


#84
Pyrene
Concen: 8.42 ppb
RT: 12.519 min Scan# 2101
Delta R.T. -0.091 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:202 Resp: 724119

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	48.7
100	11.6	0.0	44.4

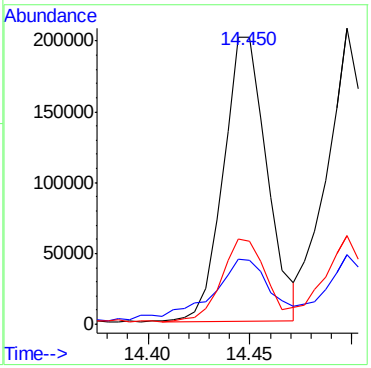


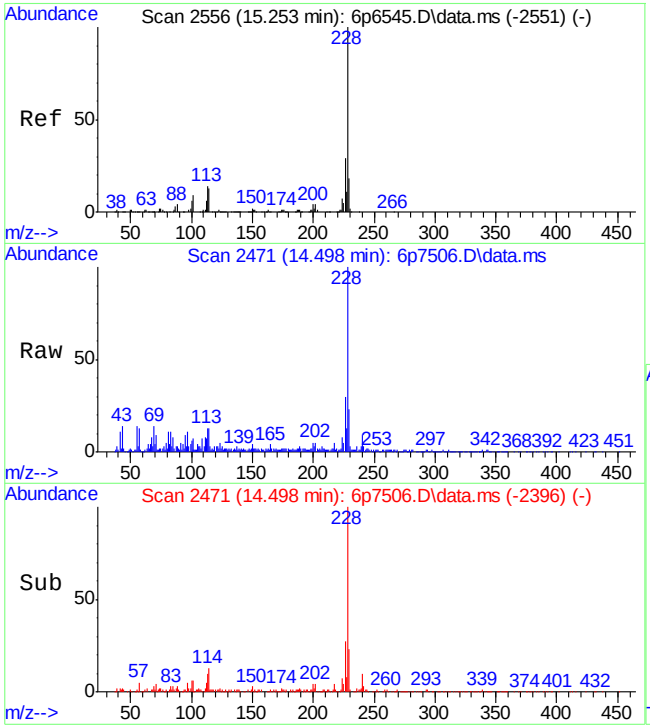


#88
Benzo[a]anthracene
Concen: 3.85 ppb
RT: 14.450 min Scan# 2462
Delta R.T. -0.091 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:228 Resp: 300073

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.2
226	27.8	0.0	55.9

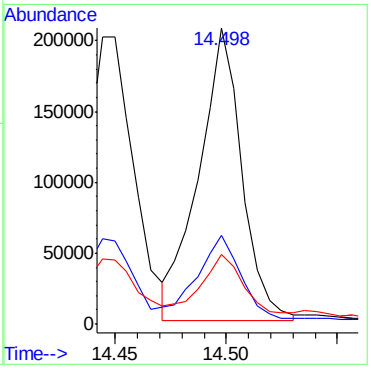


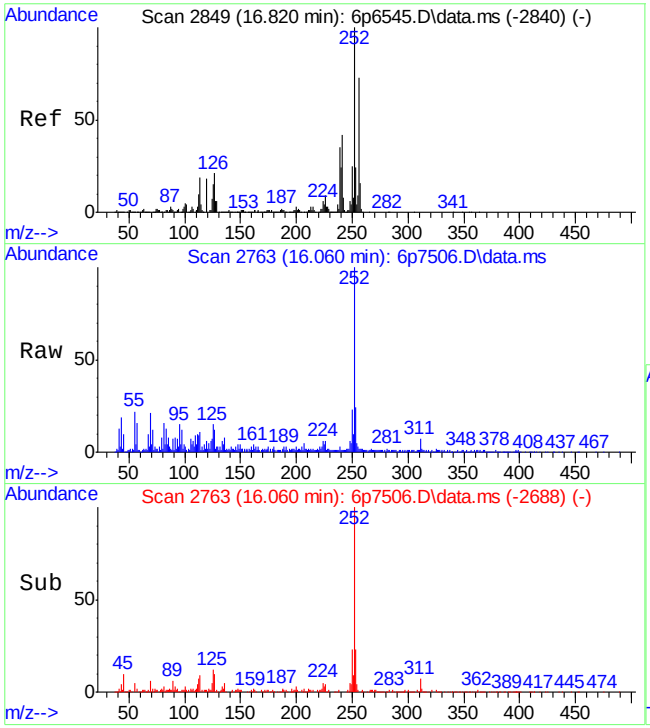


#90
Chrysene
Concen: 3.90 ppb
RT: 14.498 min Scan# 2471
Delta R.T. -0.097 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:228 Resp: 279307

Ion	Ratio	Lower	Upper
228	100		
226	28.5	0.0	58.5
229	20.2	0.0	48.5

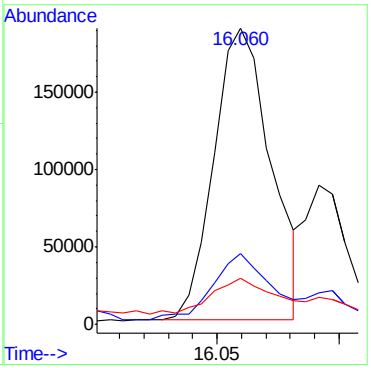


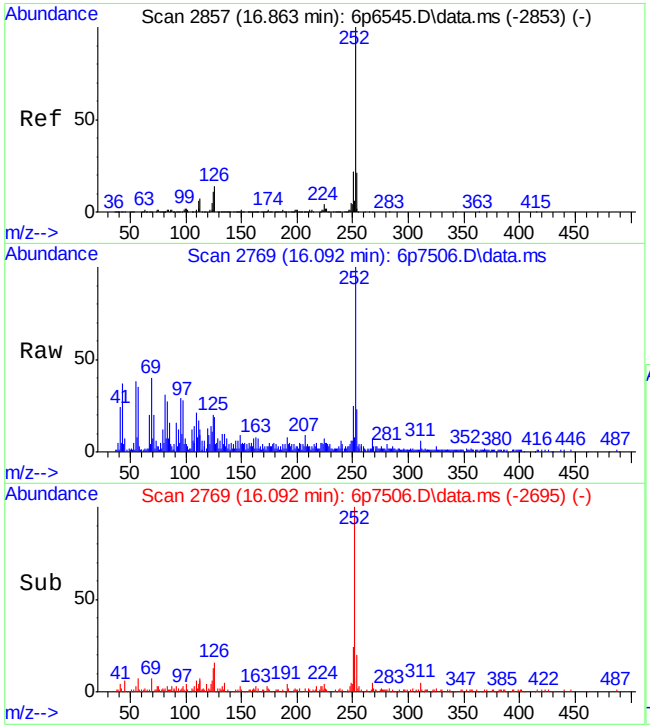


#94
Benzo[b]fluoranthene
Concen: 3.81 ppb
RT: 16.060 min Scan# 2763
Delta R.T. -0.097 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:252 Resp: 307547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	54.8
125	11.1	0.0	44.9

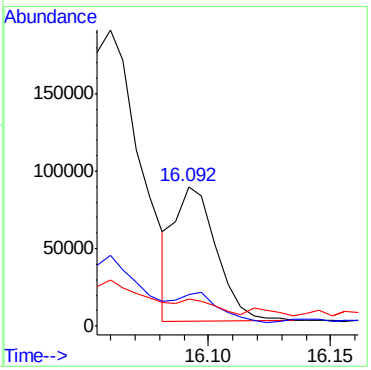


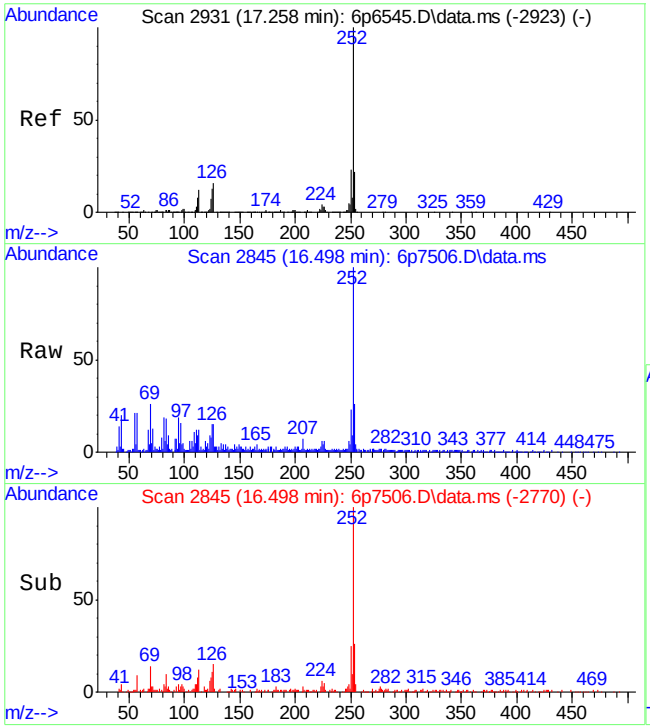


#95
Benzo[k]fluoranthene
Concen: 1.38 ppb
RT: 16.092 min Scan# 2769
Delta R.T. -0.102 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:252 Resp: 102803

Ion	Ratio	Lower	Upper
252	100		
253	17.6	0.0	51.1
125	12.2	0.0	40.9

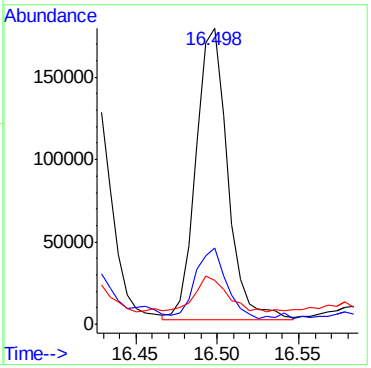


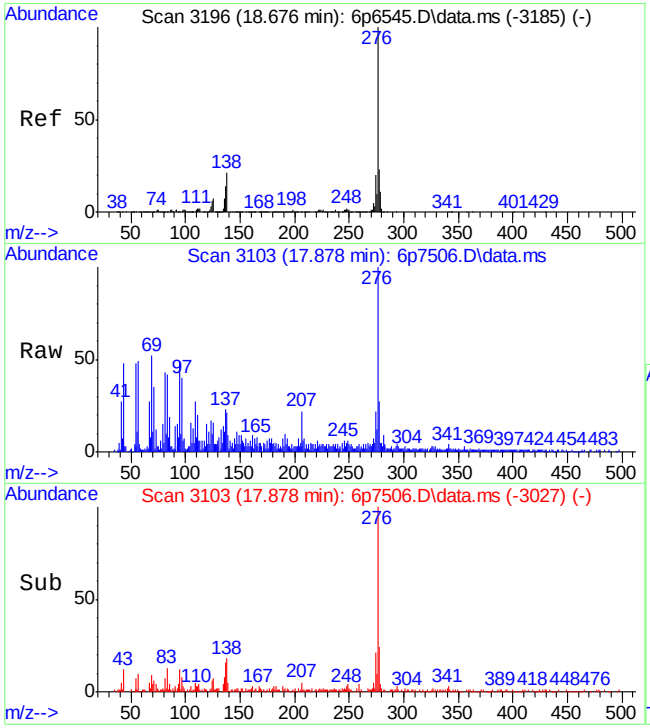


#96
Benzo[a]pyrene
Concen: 3.47 ppb
RT: 16.498 min Scan# 2845
Delta R.T. -0.097 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:252 Resp: 240689

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	52.0
125	10.3	0.0	42.9

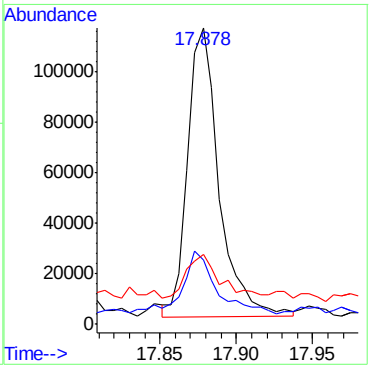


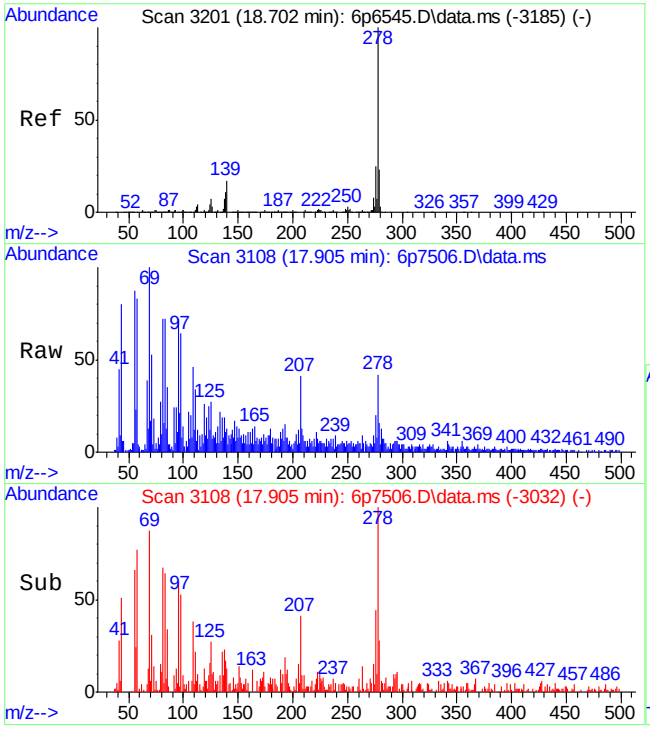


#97
Indeno[1,2,3-cd]pyrene
Concen: 2.27 ppb
RT: 17.878 min Scan# 3103
Delta R.T. -0.091 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:276 Resp: 162328

Ion	Ratio	Lower	Upper
276	100		
138	17.7	0.0	47.0
137	15.6	0.0	41.9

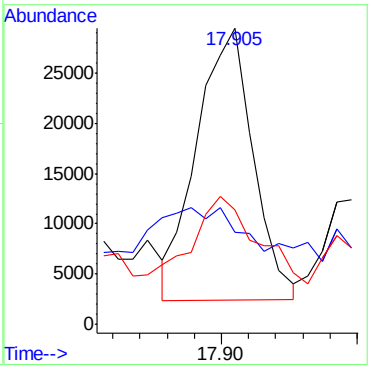


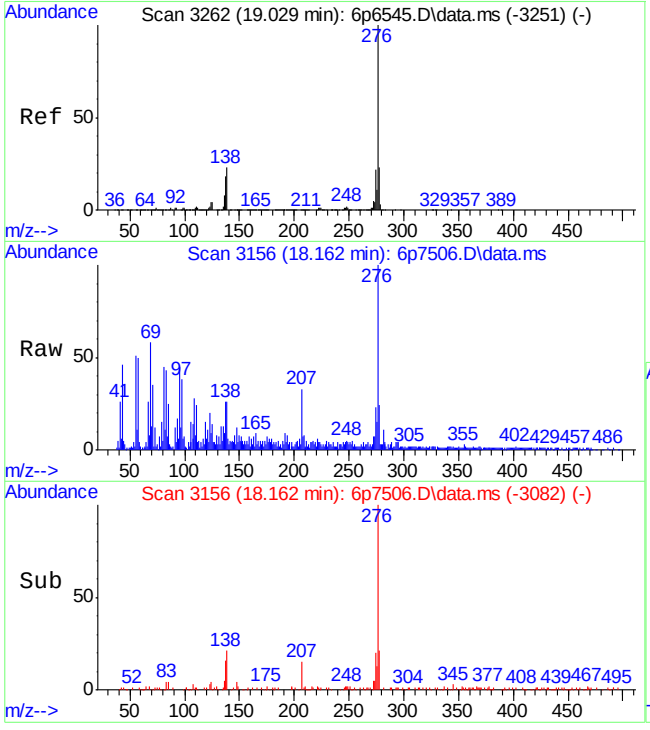


#99
Dibenz[a,h]anthracene
Concen: 0.57 ppb
RT: 17.905 min Scan# 3108
Delta R.T. -0.091 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:278 Resp: 38820

Ion	Ratio	Lower	Upper
278	100		
139	0.1	0.0	46.9
279	23.9	0.0	52.9

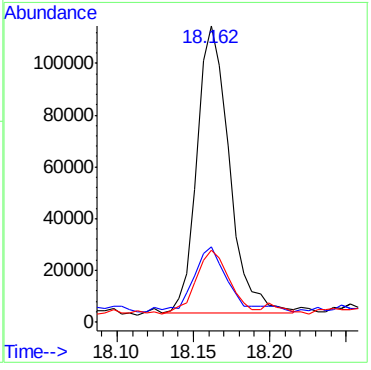




#101
Benzo[g,h,i]perylene
Concen: 2.38 ppb
RT: 18.162 min Scan# 3156
Delta R.T. -0.102 min
Lab File: 6p7506.D
Acq: 29 May 2014 9:05 pm

Tgt Ion:276 Resp: 162580

Ion	Ratio	Lower	Upper
276	100		
138	22.4	0.0	53.4
277	22.0	0.0	52.9



Manual Integrations APPROVED
(compounds with "m" flag)
Owen McKenna
06/03/14 16:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7564.D
Acq On : 30 May 2014 10:24 pm
Operator : ashleyv
Sample : jb67744-13
Misc : op75136,e6p320,31.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 31 12:35:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:08 2014
Response via : Initial Calibration

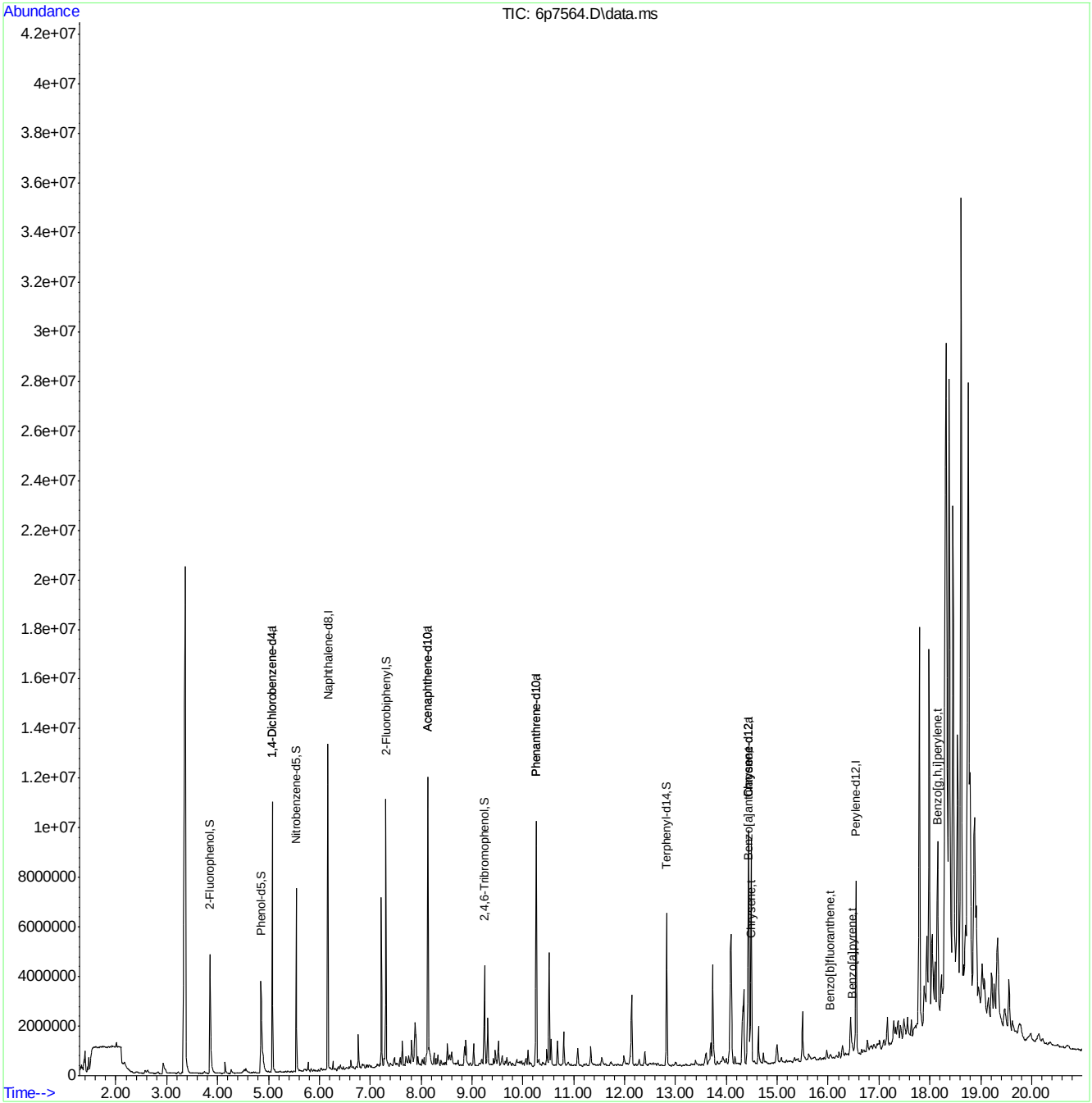
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.079	152	1198842	40.00	ppb	-0.02
24) Naphthalene-d8	6.165	136	4578554	40.00	ppb	-0.02
47) Acenaphthene-d10	8.133	164	2518414	40.00	ppb	-0.02
69) Phenanthrene-d10	10.262	188	3878361	40.00	ppb	-0.02
83) Chrysene-d12	14.434	240	3389884	40.00	ppb	-0.03
92) Perylene-d12	16.552	264	3034573	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	5.079	152	1198842	40.00	ppb	-0.02
104) Phenanthrene-d10a	10.262	188	3878361	40.00	ppb	-0.02
106) Chrysene-d12a	14.434	240	3389884	40.00	ppb	-0.03
108) Acenaphthene-d10a	8.133	164	2518414	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.849	112	1578499	36.54	ppb	0.00
Spiked Amount 50.000			Recovery = 73.08%			
8) Phenol-d5	4.854	99	2140586	34.66	ppb	0.00
Spiked Amount 50.000			Recovery = 69.32%			
25) Nitrobenzene-d5	5.544	82	2158666	35.70	ppb	-0.02
Spiked Amount 50.000			Recovery = 71.40%			
51) 2-Fluorobiphenyl	7.309	172	2805917	37.92	ppb	-0.02
Spiked Amount 50.000			Recovery = 75.84%			
73) 2,4,6-Tribromophenol	9.246	330	434046	43.25	ppb	-0.02
Spiked Amount 50.000			Recovery = 86.50%			
86) Terphenyl-d14	12.829	244	2149093	32.65	ppb	-0.02
Spiked Amount 50.000			Recovery = 65.30%			
Target Compounds						Qvalue
88) Benzo[a]anthracene	14.429	228	46258m	0.51	ppb	
90) Chrysene	14.477	228	43941	0.53	ppb	88
94) Benzo[b]fluoranthene	16.033	252	40623	0.45	ppb	87
96) Benzo[a]pyrene	16.472	252	32114	0.41	ppb	94
101) Benzo[g,h,i]perylene	18.157	276	33098	0.43	ppb	72

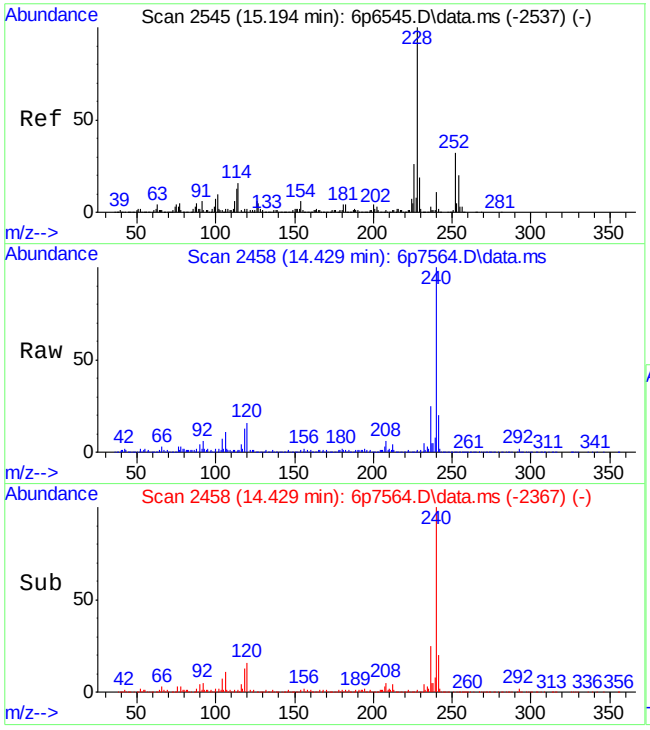
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7564.D
Acq On : 30 May 2014 10:24 pm
Operator : ashleyv
Sample : jb67744-13
Misc : op75136,e6p320,31.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 31 12:35:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:08 2014
Response via : Initial Calibration

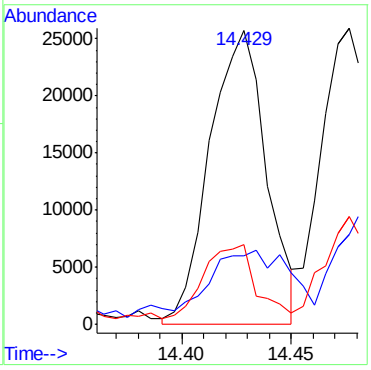


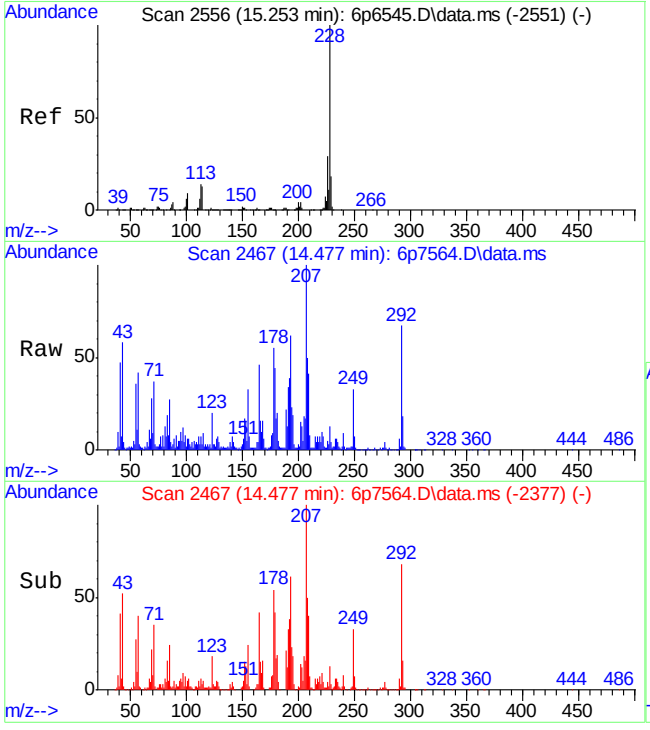


#88
Benzo[a]anthracene
Concen: 0.51 ppb m
RT: 14.429 min Scan# 2458
Delta R.T. -0.016 min
Lab File: 6p7564.D
Acq: 30 May 2014 10:24 pm

Tgt Ion:228 Resp: 46258

Ion	Ratio	Lower	Upper
228	100		
229	23.3	0.0	49.2
226	27.2	0.0	55.9

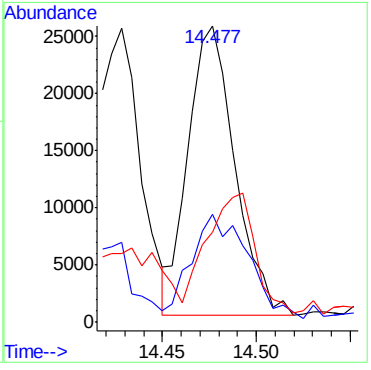


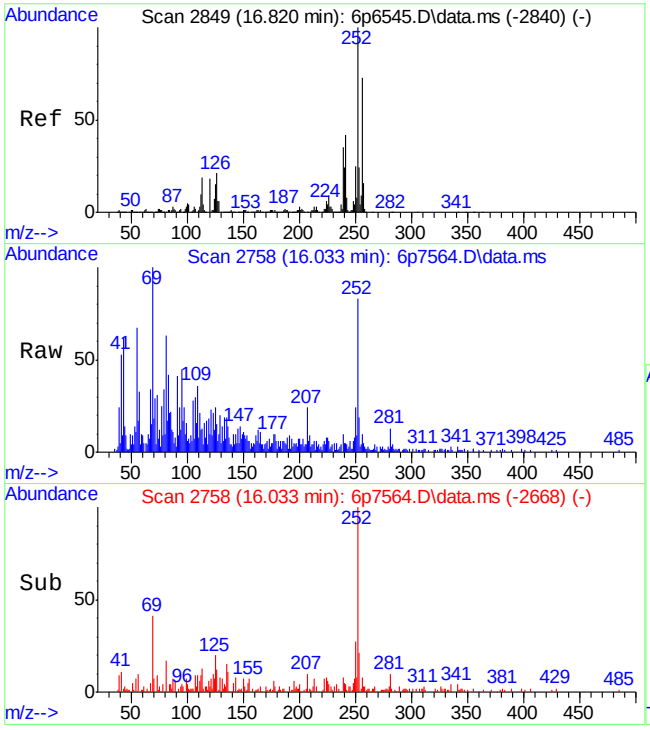


#90
Chrysene
Concen: 0.53 ppb
RT: 14.477 min Scan# 2467
Delta R.T. -0.021 min
Lab File: 6p7564.D
Acq: 30 May 2014 10:24 pm

Tgt Ion:228 Resp: 43941

Ion	Ratio	Lower	Upper
228	100		
226	36.4	0.0	58.5
229	22.3	0.0	48.5

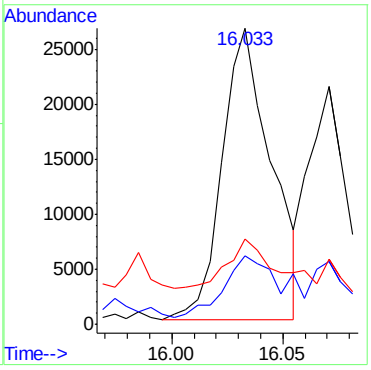


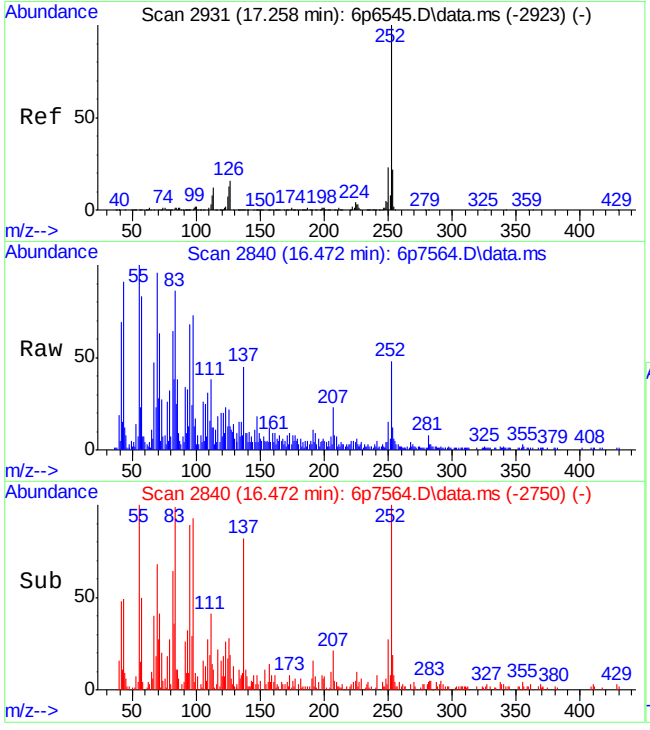


#94
Benzo[b]fluoranthene
Concen: 0.45 ppb
RT: 16.033 min Scan# 2758
Delta R.T. -0.021 min
Lab File: 6p7564.D
Acq: 30 May 2014 10:24 pm

Tgt Ion:252 Resp: 40623

Ion	Ratio	Lower	Upper
252	100		
253	15.4	0.0	54.8
125	16.1	0.0	44.9

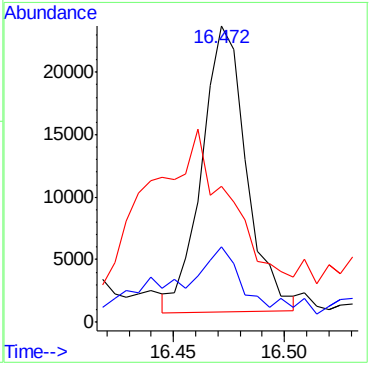


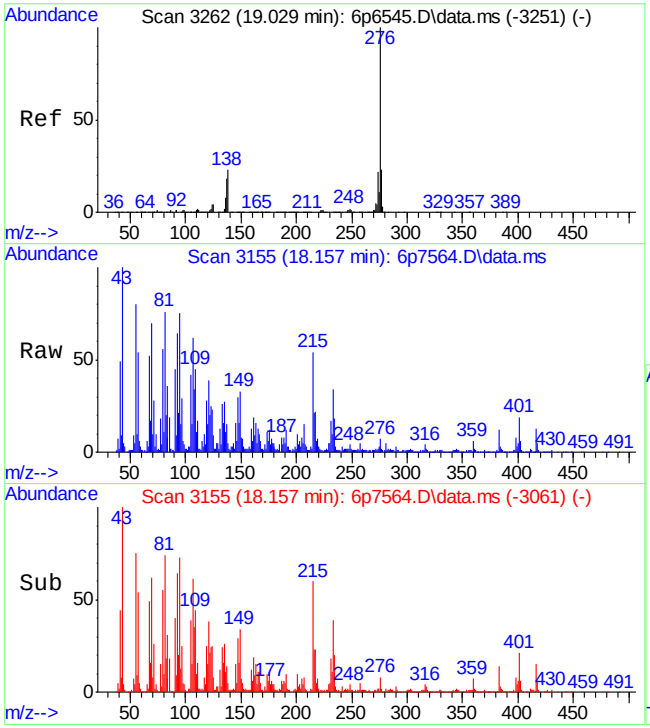


#96
Benzo[a]pyrene
Concen: 0.41 ppb
RT: 16.472 min Scan# 2840
Delta R.T. -0.021 min
Lab File: 6p7564.D
Acq: 30 May 2014 10:24 pm

Tgt Ion:252 Resp: 32114

Ion	Ratio	Lower	Upper
252	100		
253	18.7	0.0	52.0
125	15.2	0.0	42.9

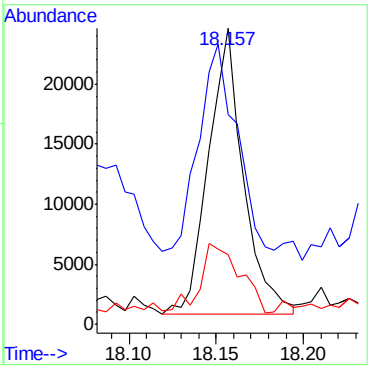




#101
Benzo[g,h,i]perylene
Concen: 0.43 ppb
RT: 18.157 min Scan# 3155
Delta R.T. 0.000 min
Lab File: 6p7564.D
Acq: 30 May 2014 10:24 pm

Tgt Ion:276 Resp: 33098

Ion	Ratio	Lower	Upper
276	100		
138	46.8	0.0	53.4
277	19.3	0.0	52.9



9.1.12

9

Manual Integration Approval Summary

Sample Number:	JB67744-13	**Method:**	SW846 8270D
Lab FileID:	6P7564.D	**Analyst approved:**	05/31/14 12:45 Andrew Lee Smith
Injection Time:	05/30/14 22:24	**Supervisor approved:**	06/03/14 16:21 Owen McKenna

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(a)anthracene	56-55-3		14.43	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7565.D
Acq On : 30 May 2014 10:53 pm
Operator : ashleyv
Sample : jb67744-14
Misc : op75136,e6p320,32.8
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 31 12:37:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:08 2014
Response via : Initial Calibration

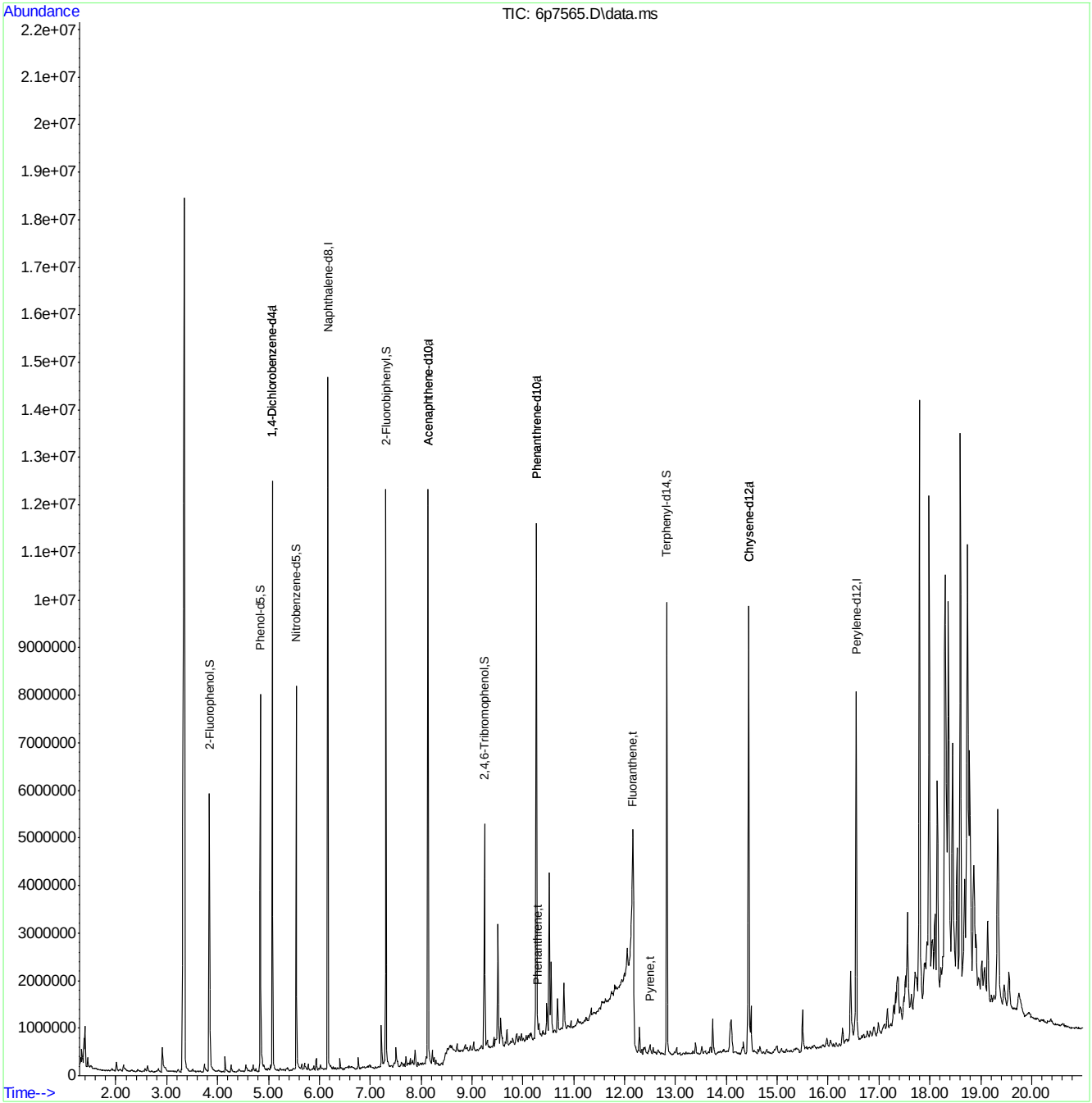
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.079	152	1282179	40.00	ppb	-0.02
24) Naphthalene-d8	6.165	136	4831145	40.00	ppb	-0.02
47) Acenaphthene-d10	8.138	164	2763130	40.00	ppb	-0.02
69) Phenanthrene-d10	10.267	188	4314953	40.00	ppb	-0.02
83) Chrysene-d12	14.439	240	3725910	40.00	ppb	-0.02
92) Perylene-d12	16.557	264	3278499	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	5.079	152	1282179	40.00	ppb	-0.02
104) Phenanthrene-d10a	10.267	188	4314953	40.00	ppb	-0.02
106) Chrysene-d12a	14.439	240	3725910	40.00	ppb	-0.02
108) Acenaphthene-d10a	8.138	164	2763130	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.838	112	1607306	34.79	ppb	-0.01
Spiked Amount 50.000			Recovery = 69.58%			
8) Phenol-d5	4.838	99	2282648	34.56	ppb	-0.01
Spiked Amount 50.000			Recovery = 69.12%			
25) Nitrobenzene-d5	5.544	82	2256006	35.36	ppb	-0.02
Spiked Amount 50.000			Recovery = 70.72%			
51) 2-Fluorobiphenyl	7.309	172	3129853	38.55	ppb	-0.02
Spiked Amount 50.000			Recovery = 77.10%			
73) 2,4,6-Tribromophenol	9.246	330	509659	45.64	ppb	-0.02
Spiked Amount 50.000			Recovery = 91.28%			
86) Terphenyl-d14	12.829	244	3334675	46.09	ppb	-0.02
Spiked Amount 50.000			Recovery = 92.18%			
Target Compounds						Qvalue
77) Phenanthrene	10.299	178	46033	0.40	ppb	96
81) Fluoranthene	12.155	202	75620	0.62	ppb	95
84) Pyrene	12.492	202	68705	0.63	ppb	99

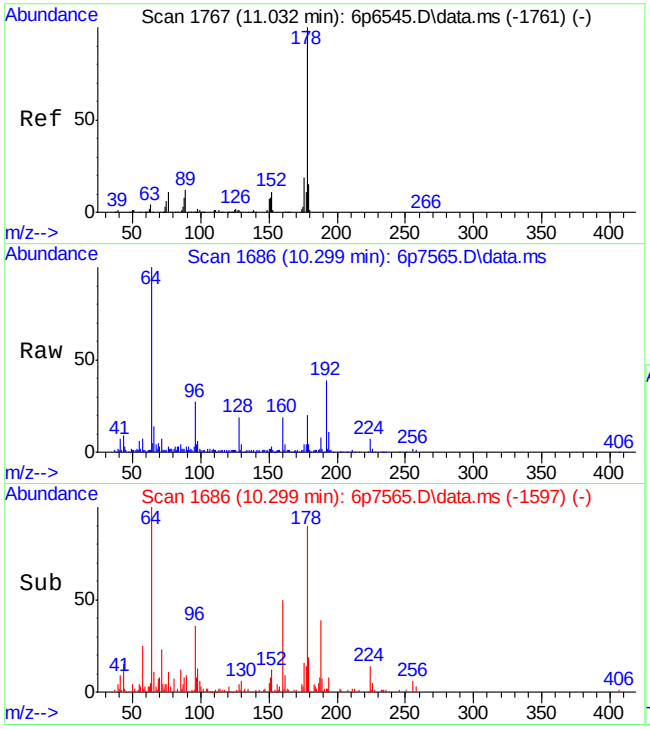
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7565.D
Acq On : 30 May 2014 10:53 pm
Operator : ashleyv
Sample : jb67744-14
Misc : op75136,e6p320,32.8
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 31 12:37:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:08 2014
Response via : Initial Calibration

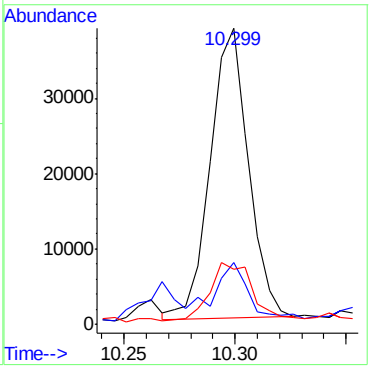


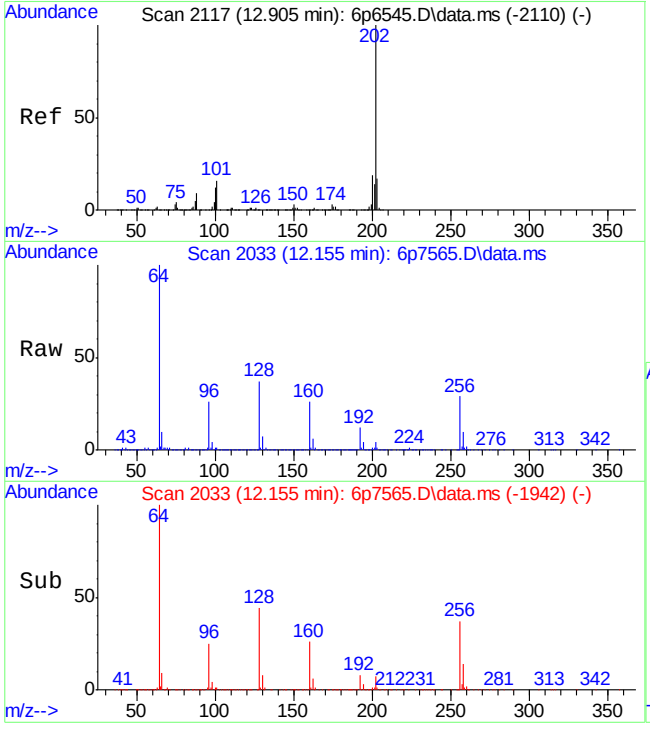


#77
Phenanthrene
Concen: 0.40 ppb
RT: 10.299 min Scan# 1686
Delta R.T. -0.021 min
Lab File: 6p7565.D
Acq: 30 May 2014 10:53 pm

Tgt Ion:178 Resp: 46033

Ion	Ratio	Lower	Upper
178	100		
179	12.5	0.0	45.4
176	17.5	0.0	48.6

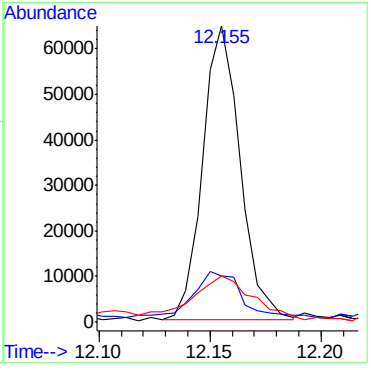


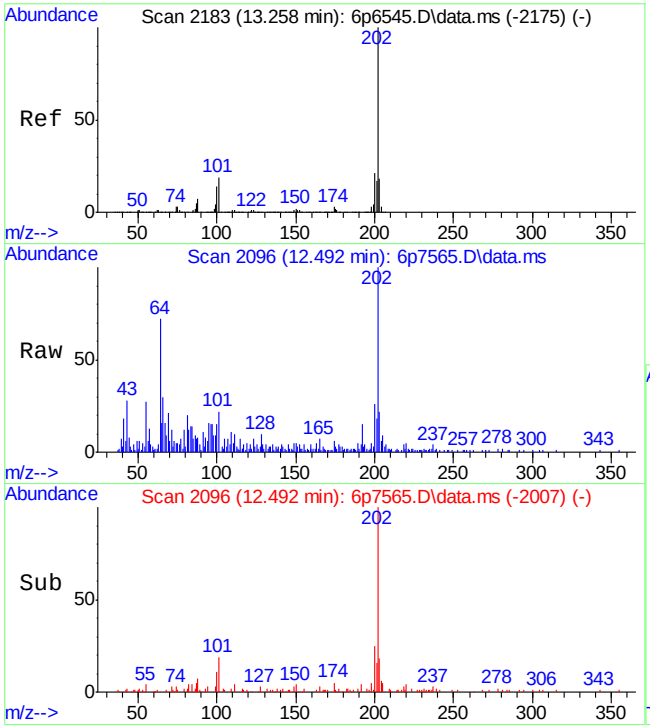


#81
Fluoranthene
Concen: 0.62 ppb
RT: 12.155 min Scan# 2033
Delta R.T. -0.011 min
Lab File: 6p7565.D
Acq: 30 May 2014 10:53 pm

Tgt Ion:202 Resp: 75620

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	45.6
100	12.9	0.0	41.6

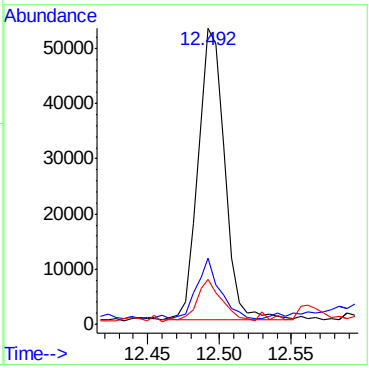




#84
Pyrene
Concen: 0.63 ppb
RT: 12.492 min Scan# 2096
Delta R.T. -0.021 min
Lab File: 6p7565.D
Acq: 30 May 2014 10:53 pm

Tgt Ion:202 Resp: 68705

Ion	Ratio	Lower	Upper
202	100		
101	19.3	0.0	48.7
100	13.9	0.0	44.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7566.D
Acq On : 30 May 2014 11:21 pm
Operator : ashleyv
Sample : jb67744-15
Misc : op75136,e6p320,32.7
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 31 12:38:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:08 2014
Response via : Initial Calibration

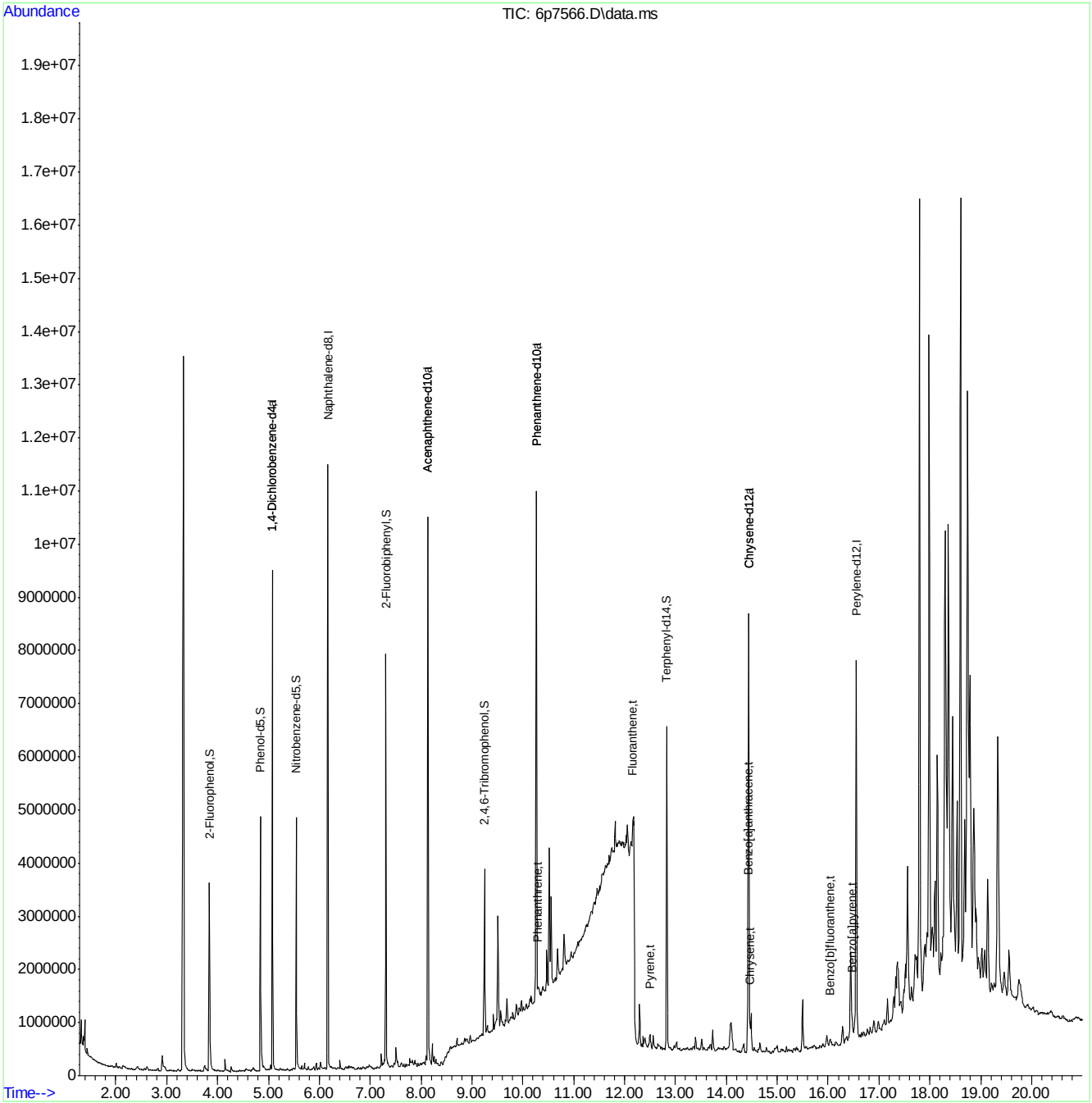
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.079	152	1052207	40.00	ppb	-0.02
24) Naphthalene-d8	6.165	136	3981244	40.00	ppb	-0.02
47) Acenaphthene-d10	8.133	164	2309728	40.00	ppb	-0.02
69) Phenanthrene-d10	10.267	188	3768685	40.00	ppb	-0.02
83) Chrysene-d12	14.439	240	3410807	40.00	ppb	-0.02
92) Perylene-d12	16.557	264	3127604	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	5.079	152	1052207	40.00	ppb	-0.02
104) Phenanthrene-d10a	10.267	188	3768685	40.00	ppb	-0.02
106) Chrysene-d12a	14.439	240	3410807	40.00	ppb	-0.02
108) Acenaphthene-d10a	8.133	164	2309728	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.838	112	1007172	26.56	ppb	-0.01
Spiked Amount 50.000			Recovery = 53.12%			
8) Phenol-d5	4.838	99	1443489	26.63	ppb	-0.01
Spiked Amount 50.000			Recovery = 53.26%			
25) Nitrobenzene-d5	5.544	82	1378606	26.22	ppb	-0.02
Spiked Amount 50.000			Recovery = 52.44%			
51) 2-Fluorobiphenyl	7.309	172	2017348	29.73	ppb	-0.02
Spiked Amount 50.000			Recovery = 59.46%			
73) 2,4,6-Tribromophenol	9.246	330	322246	33.04	ppb	-0.02
Spiked Amount 50.000			Recovery = 66.08%			
86) Terphenyl-d14	12.829	244	2134586	32.23	ppb	-0.02
Spiked Amount 50.000			Recovery = 64.46%			
Target Compounds						Qvalue
77) Phenanthrene	10.299	178	75708	0.75	ppb	95
81) Fluoranthene	12.161	202	118902	1.12	ppb	98
84) Pyrene	12.498	202	101906	1.02	ppb	93
88) Benzo[a]anthracene	14.423	228	45249	0.50	ppb	88
90) Chrysene	14.471	228	47742	0.57	ppb	88
94) Benzo[b]fluoranthene	16.038	252	47131	0.50	ppb	88
96) Benzo[a]pyrene	16.472	252	33727	0.42	ppb	87

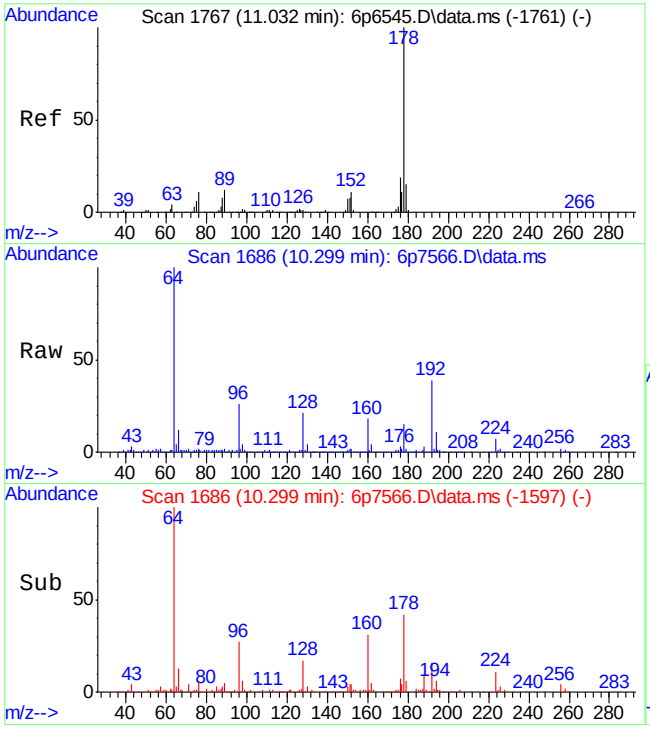
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7566.D
Acq On : 30 May 2014 11:21 pm
Operator : ashleyv
Sample : jb67744-15
Misc : op75136,e6p320,32.7
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 31 12:38:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:08 2014
Response via : Initial Calibration

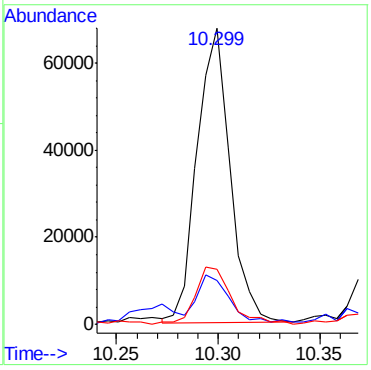


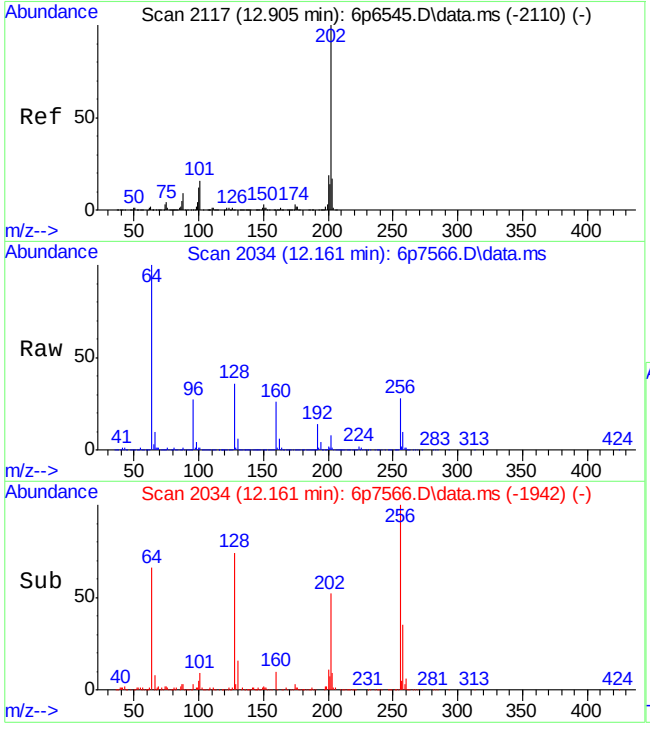


#77
Phenanthrene
Concen: 0.75 ppb
RT: 10.299 min Scan# 1686
Delta R.T. -0.021 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:178 Resp: 75708

Ion	Ratio	Lower	Upper
178	100		
179	11.1	0.0	45.4
176	18.3	0.0	48.6

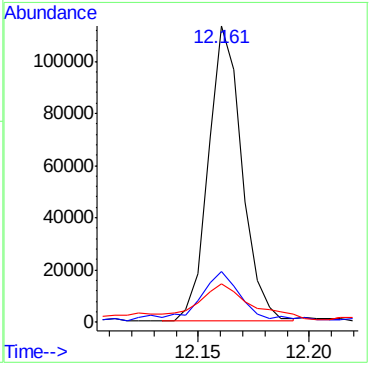


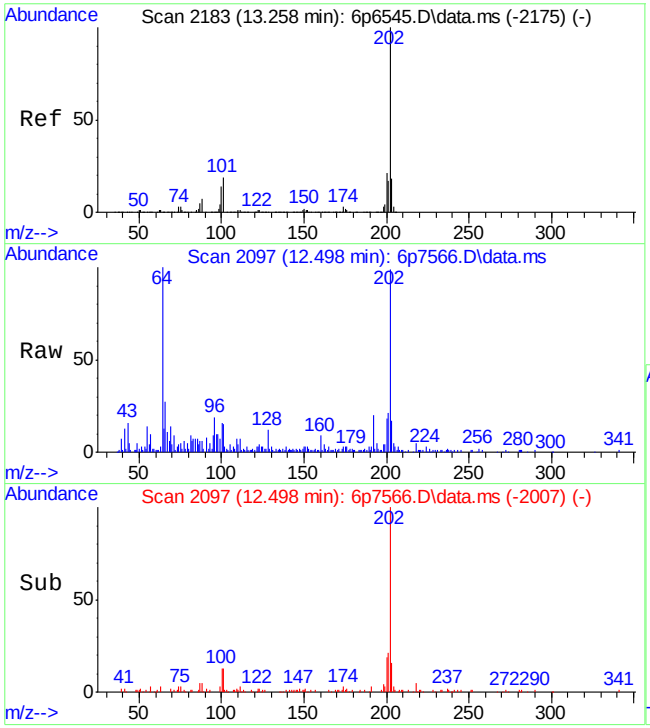


#81
Fluoranthene
Concen: 1.12 ppb
RT: 12.161 min Scan# 2034
Delta R.T. -0.005 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:202 Resp: 118902

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	45.6
100	10.1	0.0	41.6

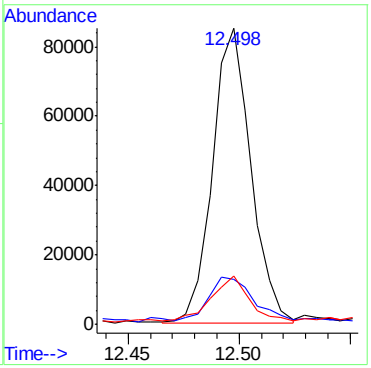


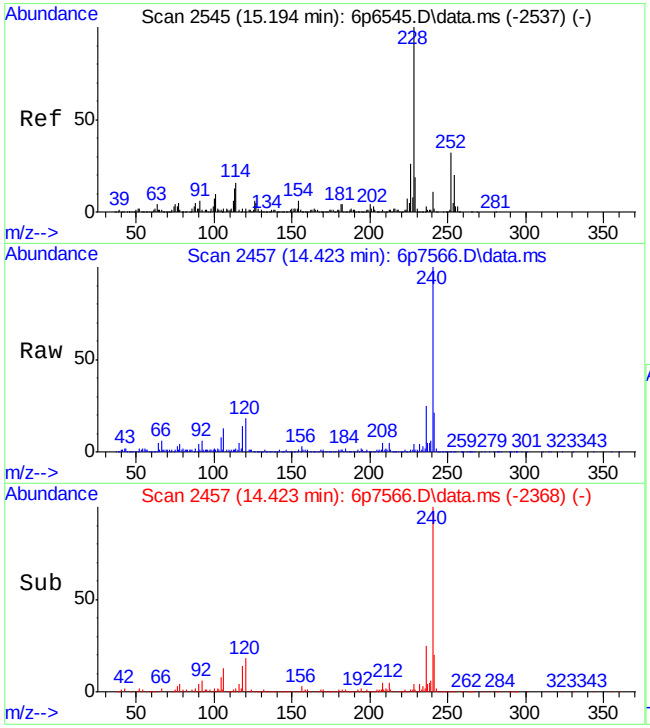


#84
Pyrene
Concen: 1.02 ppb
RT: 12.498 min Scan# 2097
Delta R.T. -0.016 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:202 Resp: 101906

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	48.7
100	15.3	0.0	44.4

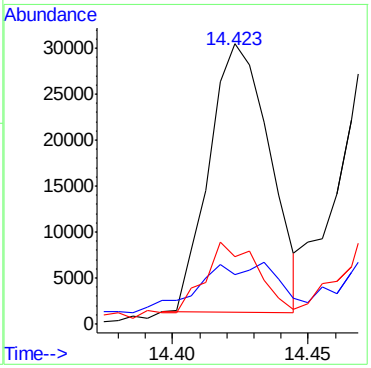


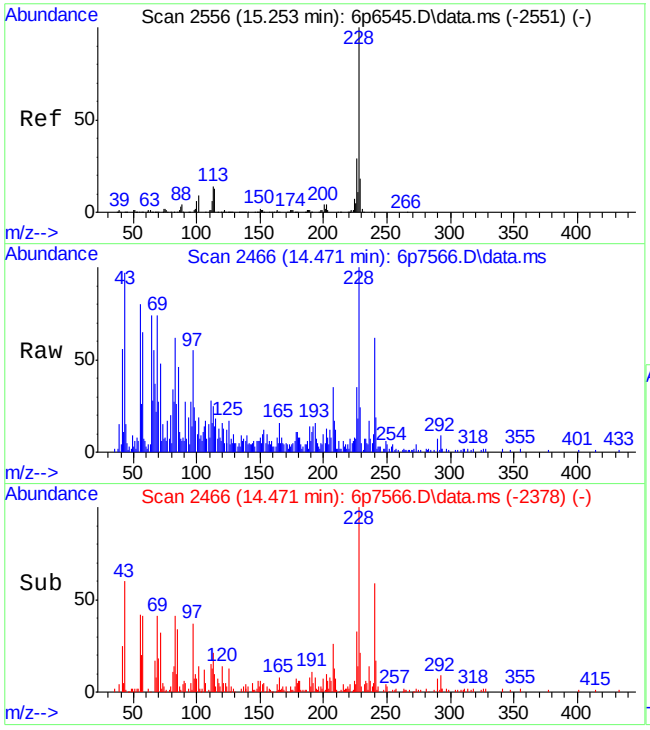


#88
Benzo[a]anthracene
Concen: 0.50 ppb
RT: 14.423 min Scan# 2457
Delta R.T. -0.021 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:228 Resp: 45249

Ion	Ratio	Lower	Upper
228	100		
229	10.4	0.0	49.2
226	22.6	0.0	55.9

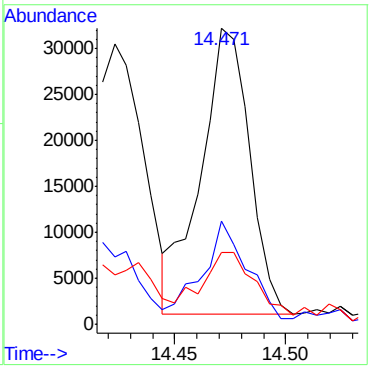


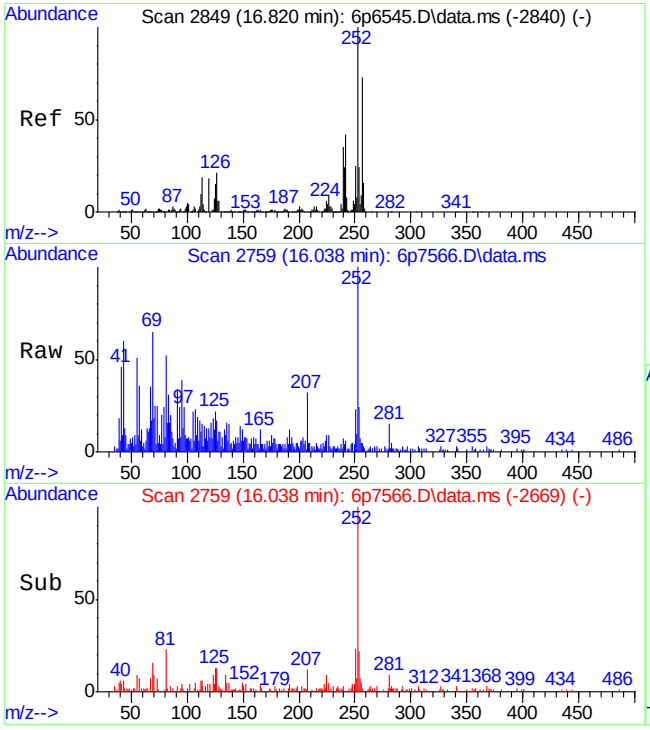


#90
Chrysene
Concen: 0.57 ppb
RT: 14.471 min Scan# 2466
Delta R.T. -0.027 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:228 Resp: 47742

Ion	Ratio	Lower	Upper
228	100		
226	36.6	0.0	58.5
229	21.1	0.0	48.5

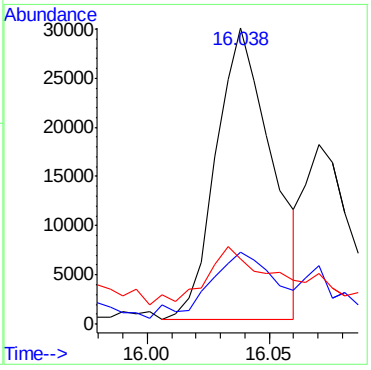


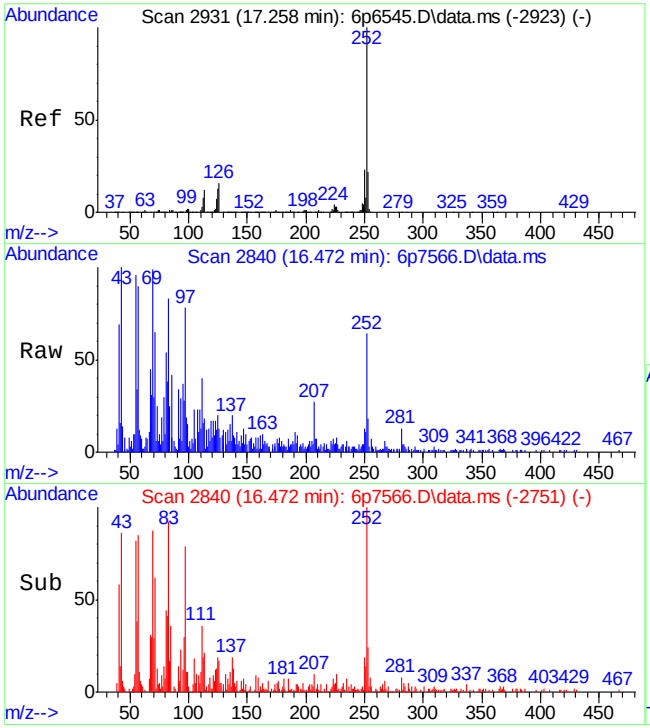


#94
Benzo[b]fluoranthene
Concen: 0.50 ppb
RT: 16.038 min Scan# 2759
Delta R.T. -0.016 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:252 Resp: 47131

Ion	Ratio	Lower	Upper
252	100		
253	17.3	0.0	54.8
125	12.3	0.0	44.9

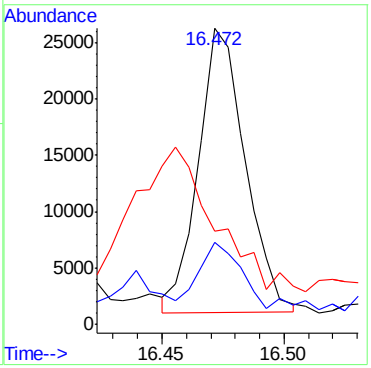




#96
Benzo[a]pyrene
Concen: 0.42 ppb
RT: 16.472 min Scan# 2840
Delta R.T. -0.021 min
Lab File: 6p7566.D
Acq: 30 May 2014 11:21 pm

Tgt Ion:252 Resp: 33727

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	52.0
125	0.0	0.0	42.9



Quantitation Report (LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63910.D
Acq On : 27 May 2014 11:23 pm
Operator : ashleyd
Sample : op75114-mb1
Misc : op75114,E2M2711,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:20:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	564197	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	2264438	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	1247936	40.00	ppb	-0.10
69) Phenanthrene-d10	10.118	188	1924265	40.00	ppb	-0.13
83) Chrysene-d12	14.301	240	1573318	40.00	ppb	-0.22
92) Perylene-d12	16.413	264	1309620	40.00	ppb	-0.38
102) 1,4-Dichlorobenzene-d4a	4.753	152	564197	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	1247936	40.00	ppb	-0.10
106) Chrysene-d12a	14.301	240	1573318	40.00	ppb	-0.22
108) Phenanthrene-d10a	10.118	188	1924265	40.00	ppb	-0.13
110) Naphthalene-d8a	5.855	136	2264438	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.807	112	875384	41.87	ppb	-0.04
Spiked Amount 50.000			Recovery = 83.74%			
8) Phenol-d5	4.507	99	1096322	42.59	ppb	-0.04
Spiked Amount 50.000			Recovery = 85.18%			
25) Nitrobenzene-d5	5.197	82	888281	43.86	ppb	-0.07
Spiked Amount 50.000			Recovery = 87.72%			
51) 2-Fluorobiphenyl	7.058	172	1623719	42.46	ppb	-0.09
Spiked Amount 50.000			Recovery = 84.92%			
73) 2,4,6-Tribromophenol	9.080	330	161718	57.26	ppb	-0.11
Spiked Amount 50.000			Recovery = 114.52%			
85) Terphenyl-d14	12.669	244	1446286	45.95	ppb	-0.17
Spiked Amount 50.000			Recovery = 91.90%			

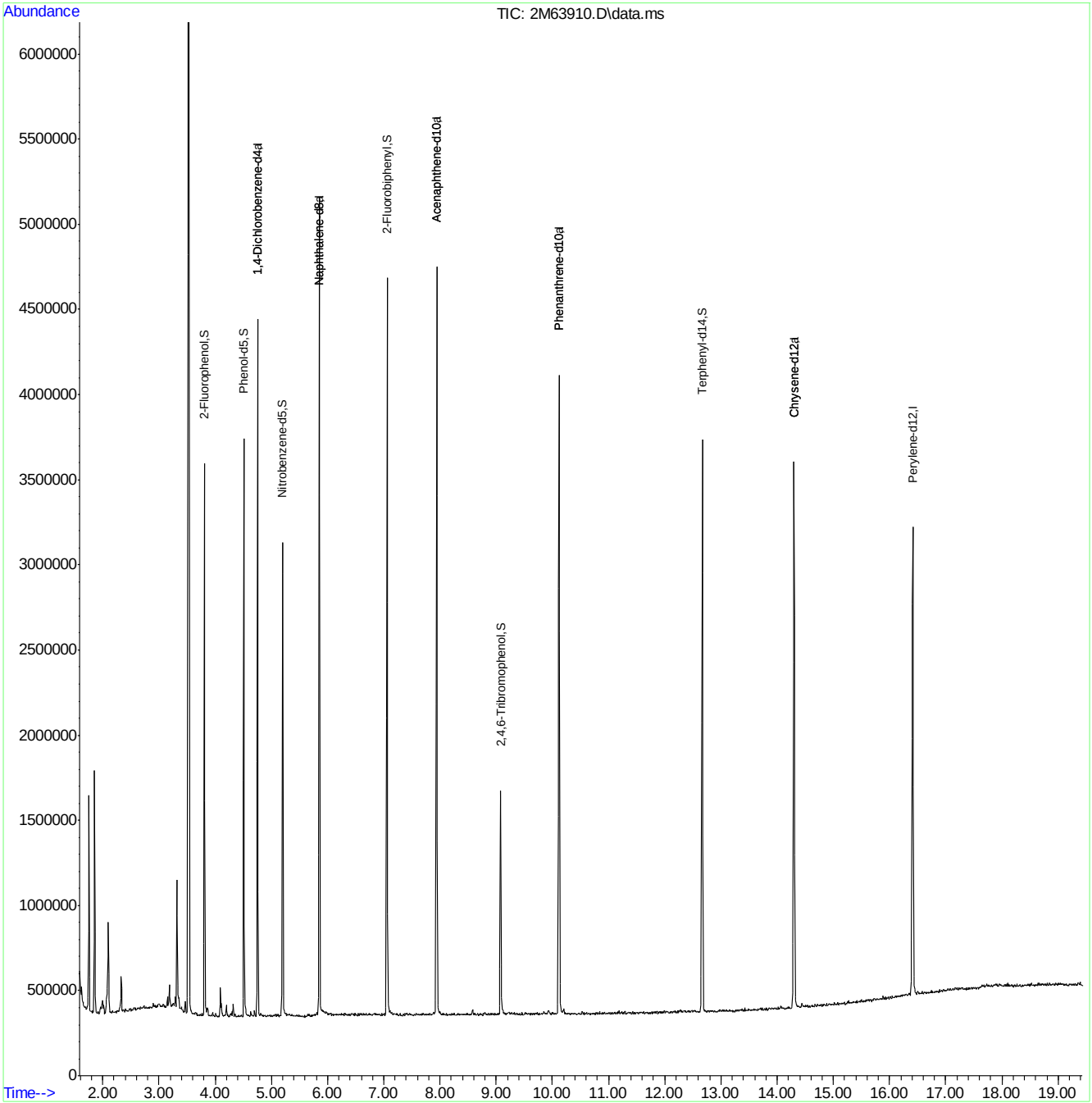
Target Compounds	Qvalue

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

Quantitation Report (LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63910.D
Acq On : 27 May 2014 11:23 pm
Operator : ashleyd
Sample : op75114-mb1
Misc : op75114,E2M2711,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:20:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91926.D
Acq On : 28 May 2014 11:09 pm
Operator : ashleyd
Sample : op75133-mb1
Misc : op75133,ez4575,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 09:28:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

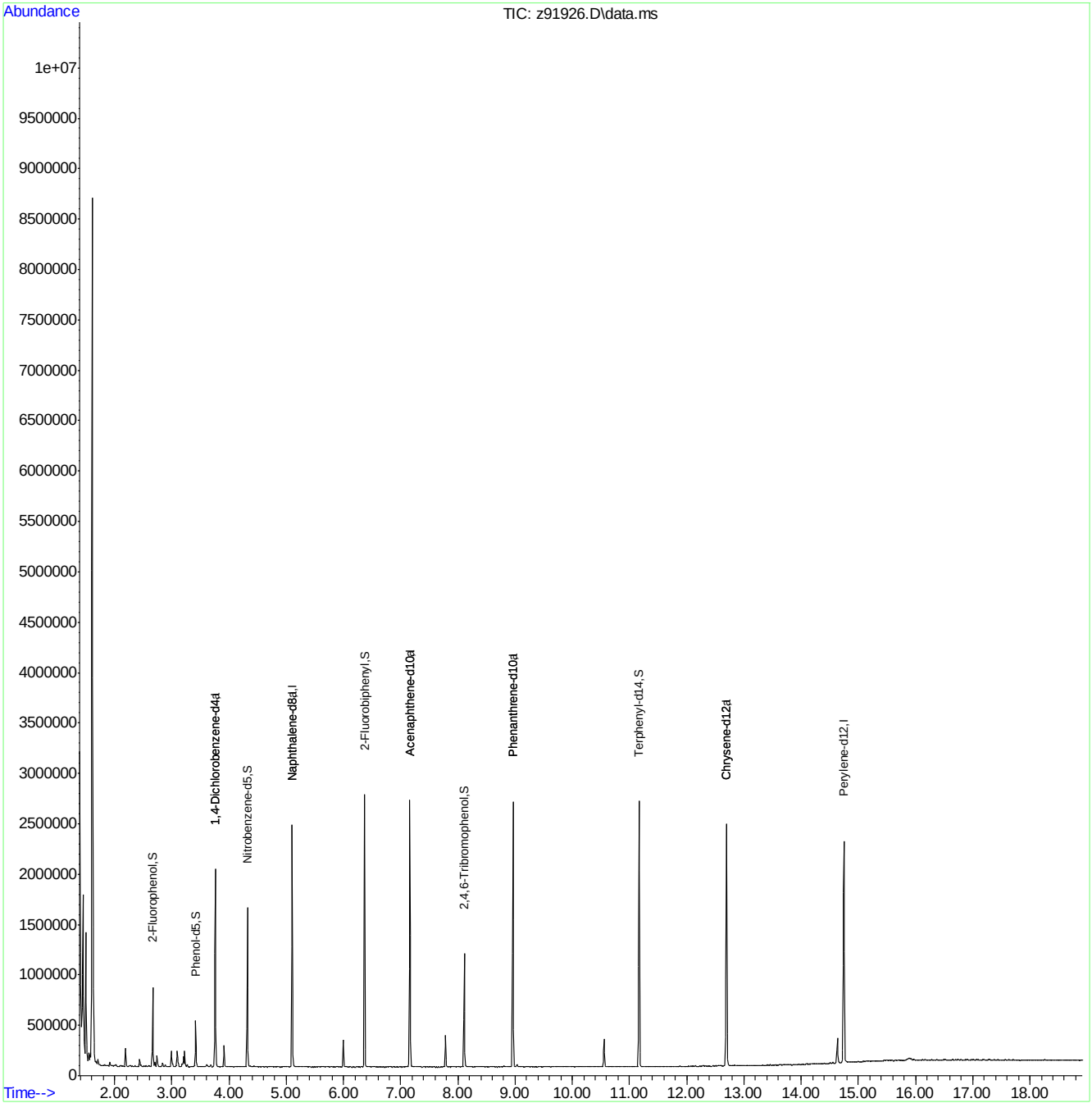
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	272392	40.00	ppb	-0.03
24) Naphthalene-d8	5.100	136	1087789	40.00	ppb	-0.03
47) Acenaphthene-d10	7.162	164	602120	40.00	ppb	-0.03
69) Phenanthrene-d10	8.962	188	1022546	40.00	ppb	-0.03
83) Chrysene-d12	12.697	240	1045550	40.00	ppb	-0.04
92) Perylene-d12	14.748	264	971154	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.759	152	272392	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.962	188	1022546	40.00	ppb	-0.03
107) Chrysene-d12a	12.697	240	1045550	40.00	ppb	-0.04
110) Acenaphthene-d10a	7.162	164	602120	40.00	ppb	-0.03
112) Naphthalene-d8a	5.100	136	1087789	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	210380	22.60	ppb	-0.02
Spiked Amount 50.000			Recovery = 45.20%			
8) Phenol-d5	3.417	99	158168	13.49	ppb	-0.02
Spiked Amount 50.000			Recovery = 26.98%			
25) Nitrobenzene-d5	4.320	82	461157	48.11	ppb	-0.03
Spiked Amount 50.000			Recovery = 96.22%			
51) 2-Fluorobiphenyl	6.371	172	873436	45.76	ppb	-0.03
Spiked Amount 50.000			Recovery = 91.52%			
73) 2,4,6-Tribromophenol	8.113	330	138647	55.49	ppb	-0.03
Spiked Amount 50.000			Recovery = 110.98%			
86) Terphenyl-d14	11.169	244	999841	47.55	ppb	-0.03
Spiked Amount 50.000			Recovery = 95.10%			
106) 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\ez4575\
Data File : z91926.D
Acq On : 28 May 2014 11:09 pm
Operator : ashleyd
Sample : op75133-mb1
Misc : op75133,ez4575,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 09:28:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7491.D
Acq On : 29 May 2014 1:37 pm
Operator : ashleyv
Sample : op75136-mb1
Misc : op75136,e6p318,30.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 16:37:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu May 29 16:36:09 2014
Response via : Initial Calibration

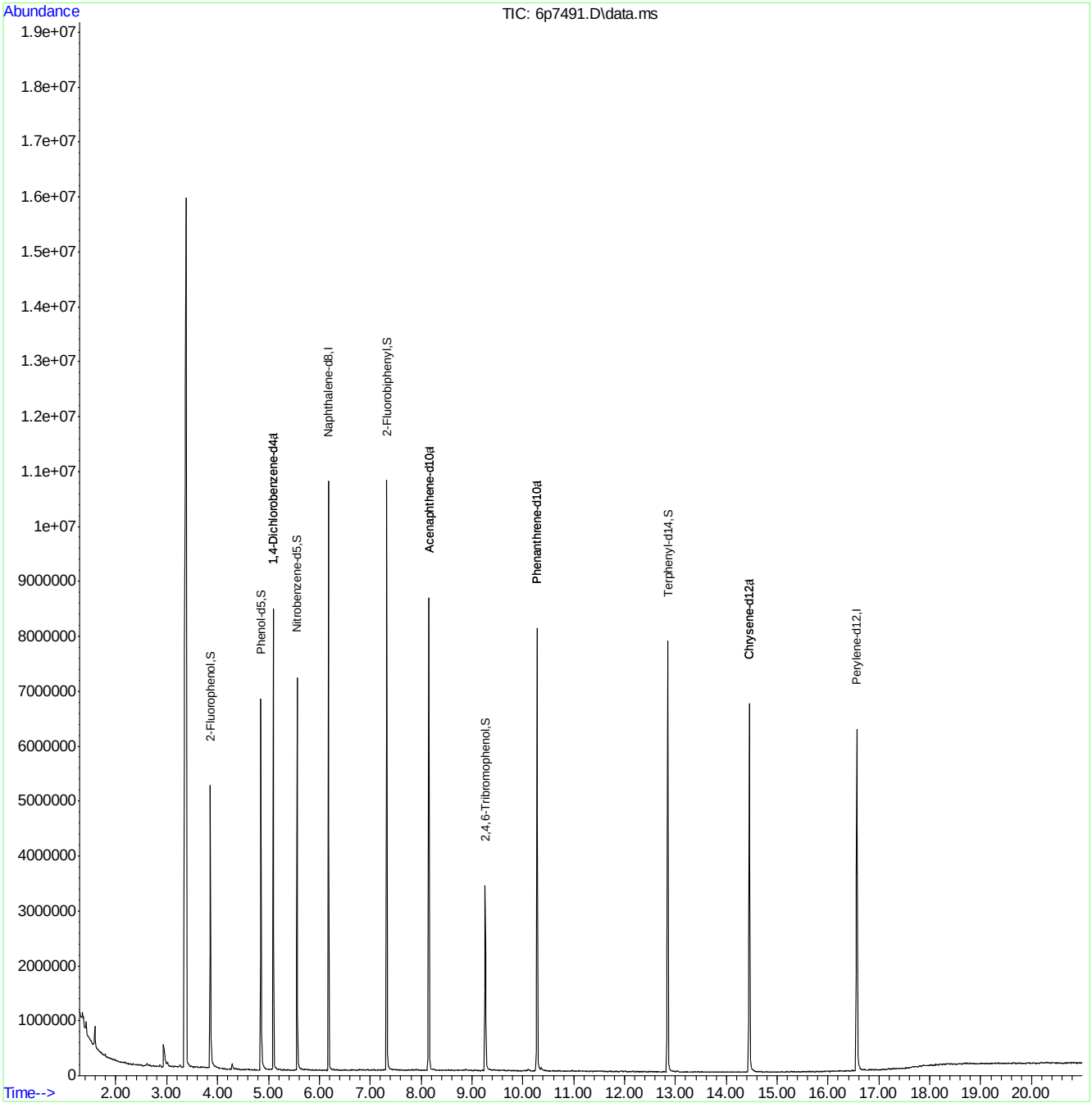
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.095	152	903467	40.00	ppb	0.00
24) Naphthalene-d8	6.181	136	3468821	40.00	ppb	0.00
47) Acenaphthene-d10	8.155	164	1994582	40.00	ppb	0.00
69) Phenanthrene-d10	10.283	188	3189599	40.00	ppb	0.00
83) Chrysene-d12	14.455	240	3075856	40.00	ppb	0.00
92) Perylene-d12	16.568	264	2774670	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.095	152	903467	40.00	ppb	0.00
104) Phenanthrene-d10a	10.283	188	3189599	40.00	ppb	0.00
106) Chrysene-d12a	14.455	240	3075856	40.00	ppb	0.00
108) Acenaphthene-d10a	8.155	164	1994582	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.854	112	1395278	42.86	ppb	0.00
Spiked Amount 50.000			Recovery = 85.72%			
8) Phenol-d5	4.849	99	1846474	39.67	ppb	0.00
Spiked Amount 50.000			Recovery = 79.34%			
25) Nitrobenzene-d5	5.561	82	1873409	40.90	ppb	0.00
Spiked Amount 50.000			Recovery = 81.80%			
51) 2-Fluorobiphenyl	7.326	172	2846866	48.58	ppb	0.00
Spiked Amount 50.000			Recovery = 97.16%			
73) 2,4,6-Tribromophenol	9.262	330	423038	51.25	ppb	0.00
Spiked Amount 50.000			Recovery = 102.50%			
86) Terphenyl-d14	12.851	244	3045183	50.98	ppb	0.00
Spiked Amount 50.000			Recovery = 101.96%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7491.D
Acq On : 29 May 2014 1:37 pm
Operator : ashleyv
Sample : op75136-mb1
Misc : op75136,e6p318,30.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 16:37:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Thu May 29 16:36:09 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/05/14 11:12

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104849.D
Acq On : 3 Jun 2014 11:54 am
Operator : saumilp
Sample : op75136-mb1
Misc : op75136,em4291,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 13:26:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:19:52 2014
Response via : Initial Calibration

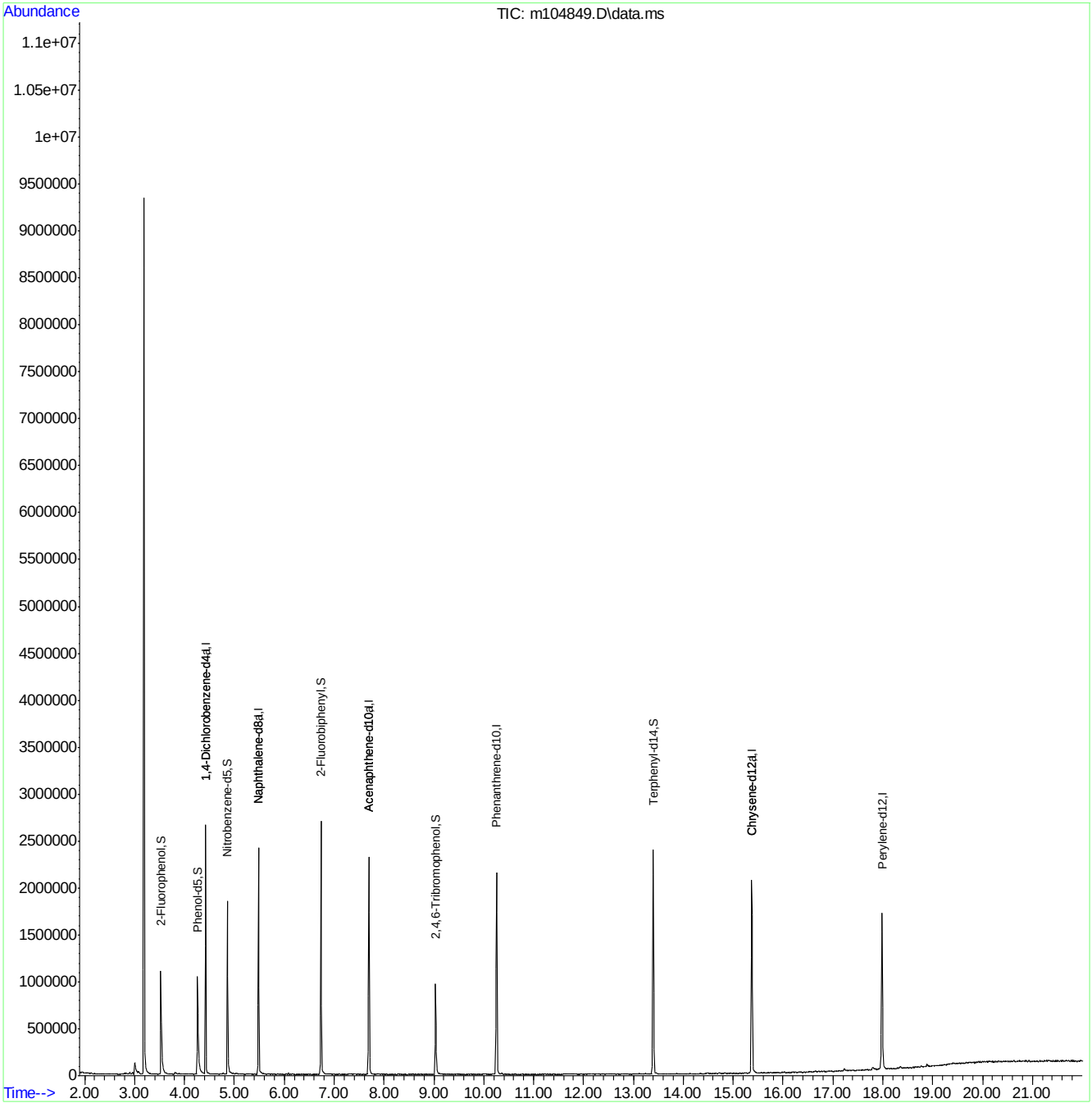
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.423	152	227671	40.00	ppb	0.00
24) Naphthalene-d8	5.486	136	861206	40.00	ppb	0.00
47) Acenaphthene-d10	7.698	164	554203	40.00	ppb	0.00
69) Phenanthrene-d10	10.257	188	985184	40.00	ppb	0.00
83) Chrysene-d12	15.375	240	992392	40.00	ppb	0.00
92) Perylene-d12	17.987	264	815181	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.423	152	227671	40.00	ppb	0.00
104) Acenaphthene-d10a	7.698	164	554203	40.00	ppb	0.00
107) Chrysene-d12a	15.375	240	992392	40.00	ppb	0.00
109) Naphthalene-d8a	5.486	136	861206	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.526	112	313944	38.80	ppb	-0.03
Spiked Amount 50.000			Recovery = 77.60%			
8) Phenol-d5	4.258	99	437791m	43.60	ppb	-0.16
Spiked Amount 50.000			Recovery = 87.20%			
25) Nitrobenzene-d5	4.861	82	504103	54.59	ppb	0.00
Spiked Amount 50.000			Recovery = 109.18%			
51) 2-Fluorobiphenyl	6.736	172	798685	43.65	ppb	0.00
Spiked Amount 50.000			Recovery = 87.30%			
73) 2,4,6-Tribromophenol	9.034	330	114540	47.40	ppb	0.00
Spiked Amount 50.000			Recovery = 94.80%			
86) Terphenyl-d14	13.398	244	955174	45.46	ppb	0.00
Spiked Amount 50.000			Recovery = 90.92%			
Target Compounds						Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104849.D
Acq On : 3 Jun 2014 11:54 am
Operator : saumilp
Sample : op75136-mb1
Misc : op75136,em4291,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 13:26:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:19:52 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

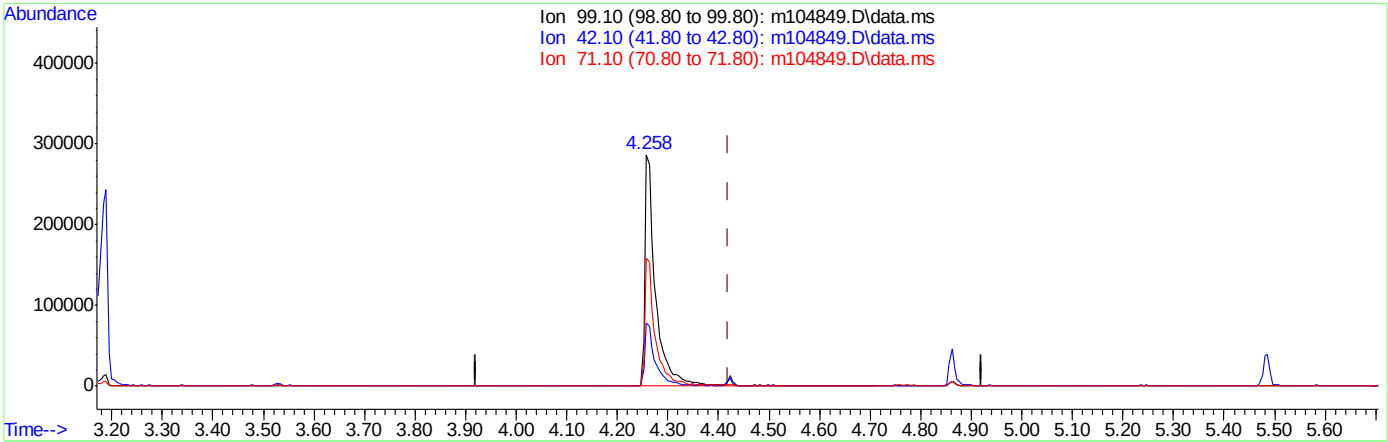
Sample Number:	OP75136-MB1	**Method:**	SW846 8270D
Lab FileID:	M104849.D	**Analyst approved:**	06/03/14 15:22 Saumil Patel
Injection Time:	06/03/14 11:54	**Supervisor approved:**	06/05/14 11:12 Nina Pandya

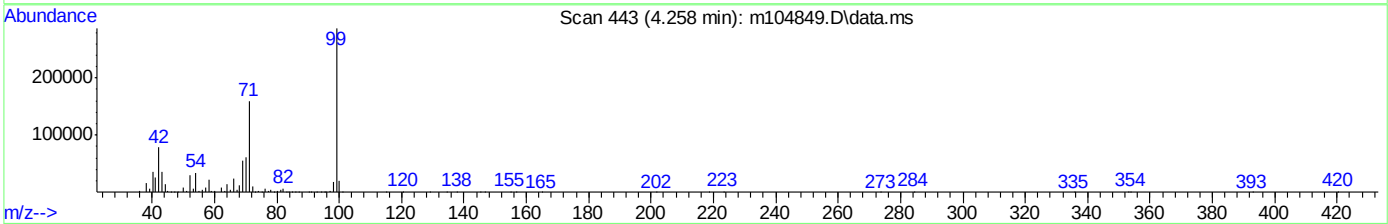
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol-d5	4165-62-2		4.26	Poor instrument integration

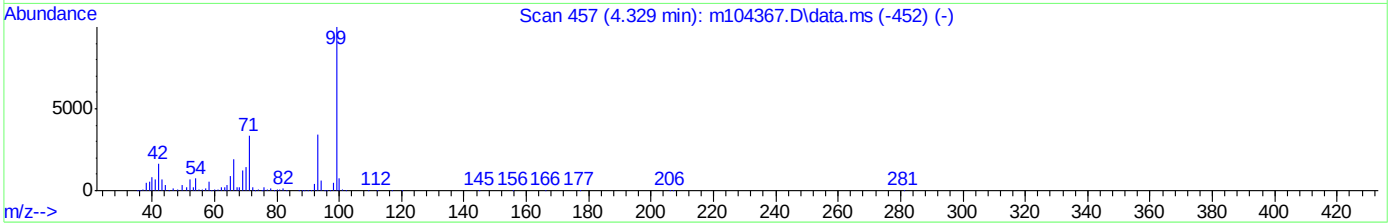
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104849.D
Acq On : 3 Jun 2014 11:54 am
Operator : saumilp
Sample : op75436-mb1
Misc : op75136,em4291,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 13:26:15 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:19:52 2014
Response via : Initial Calibration







TIC: m104849.D\data.ms

(8) Phenol-d5 (S)

4.258min (-0.163) 43.60ppb m

response 437791

Ion	Exp%	Act%
99.10	100	100
42.10	16.20	27.17
71.10	33.20	55.58
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
05/30/14 08:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63911.D
Acq On : 27 May 2014 11:48 pm
Operator : ashleyd
Sample : op75114-bs1
Misc : op75114,E2M2711,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	541807	40.00	ppb	0.00
24) Naphthalene-d8	5.855	136	2391884	40.00	ppb	0.00
47) Acenaphthene-d10	7.941	164	1181730	40.00	ppb	0.00
69) Phenanthrene-d10	10.123	188	1811426	40.00	ppb	0.00
83) Chrysene-d12	14.306	240	1336638	40.00	ppb	0.00
92) Perylene-d12	16.419	264	1217794	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.753	152	541807	40.00	ppb	0.00
104) Acenaphthene-d10a	7.941	164	1181730	40.00	ppb	0.00
106) Chrysene-d12a	14.306	240	1336638	40.00	ppb	0.00
108) Phenanthrene-d10a	10.123	188	1811426	40.00	ppb	0.00
110) Naphthalene-d8a	5.855	136	2391884	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.807	112	821021	40.89	ppb	0.01
Spiked Amount 50.000			Recovery =	81.78%		
8) Phenol-d5	4.513	99	918713	37.16	ppb	0.00
Spiked Amount 50.000			Recovery =	74.32%		
25) Nitrobenzene-d5	5.203	82	813457	38.03	ppb	0.00
Spiked Amount 50.000			Recovery =	76.06%		
51) 2-Fluorobiphenyl	7.059	172	1479376	40.85	ppb	0.00
Spiked Amount 50.000			Recovery =	81.70%		
73) 2,4,6-Tribromophenol	9.080	330	147098	55.33	ppb	0.00
Spiked Amount 50.000			Recovery =	110.66%		
85) Terphenyl-d14	12.669	244	1281494	47.92	ppb	0.00
Spiked Amount 50.000			Recovery =	95.84%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.346	88	233046	22.81	ppb	99
3) Pyridine	2.662	79	782302	31.43	ppb	95
4) N-Nitrosodimethylamine	2.630	74	557331	40.62	ppb	91
6) Indene	4.957	116	1277124	33.66	ppb	99
7) Cumene	4.160	105	1743676	32.13	ppb	100
9) Phenol	4.523	94	912731	32.19	ppb	95
10) Aniline	4.507	93	958279	28.89	ppb	95
11) bis(2-Chloroethyl)ether	4.550	93	862187	42.56	ppb	99
12) 2-Chlorophenol	4.609	128	697164	32.38	ppb	99
13) Decane	4.630	43	631249	30.89	ppb	99
14) 1,3-Dichlorobenzene	4.716	146	910189	39.11	ppb	99
15) 1,4-Dichlorobenzene	4.769	146	907528	38.97	ppb	97
16) Benzyl alcohol	4.871	108	626901	43.93	ppb	96
17) 1,2-Dichlorobenzene	4.887	146	880437	40.65	ppb	98
18) Acetophenone	5.069	105	1017703	34.76	ppb	92
19) 2-Methylphenol	4.973	108	610397	31.56	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.962	45	918086	38.82	ppb	98
21) 3&4-Methylphenol	5.096	108	684405	36.21	ppb	99
22) n-Nitroso-di-n-propyla...	5.074	70	527715	41.75	ppb	98
23) Hexachloroethane	5.160	201	269975	44.98	ppb	91
26) Nitrobenzene	5.219	77	862990	38.50	ppb	98
27) Quinoline	6.219	129	1668122	33.96	ppb	99
28) Isophorone	5.422	82	1519800	37.26	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63911.D
Acq On : 27 May 2014 11:48 pm
Operator : ashleyd
Sample : op75114-bs1
Misc : op75114,E2M2711,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.497	139	381188	34.02	ppb		98
30) 2,4-Dimethylphenol	5.545	107	627673	32.92	ppb		98
31) Benzoic acid	5.646	105	448247m	32.60	ppb		
32) bis(2-Chloroethoxy)met...	5.609	93	982638	40.01	ppb		99
33) 2,4-Dichlorophenol	5.732	162	543109	33.63	ppb		98
34) 2,6-Dichlorophenol	5.946	162	512818	31.93	ppb		98
36) 1,2,4-Trichlorobenzene	5.802	180	703154	40.06	ppb		99
38) Naphthalene	5.877	128	2202924	32.54	ppb		100
39) 4-Chloroaniline	5.935	127	719684	26.42	ppb		98
40) 2,3-Dichloroaniline	6.957	161	683261	31.97	ppb		98
41) Caprolactam	6.304	55	333118	35.89	ppb		97
42) Hexachlorobutadiene	6.000	225	319206	43.33	ppb		98
43) 4-Chloro-3-methylphenol	6.476	107	567189	32.71	ppb		98
44) 2-Methylnaphthalene	6.620	141	1363677	36.98	ppb		99
45) 1-Methylnaphthalene	6.732	142	1513736	32.47	ppb		98
46) Dimethylnaphthalene	7.385	156	1323351	33.28	ppb		98
48) Hexachlorocyclopentadiene	6.807	237	569993	90.07	ppb		99
49) 2,4,6-Trichlorophenol	6.973	196	331773	38.80	ppb		99
50) 2,4,5-Trichlorophenol	7.032	196	360581	38.41	ppb		98
52) 2-Chloronaphthalene	7.208	162	1422255	41.50	ppb		99
53) Biphenyl	7.182	154	1805946	35.93	ppb		99
54) 2-Nitroaniline	7.353	65	442387	48.23	ppb		96
55) Dimethylphthalate	7.588	163	1615193	44.85	ppb		100
56) Acenaphthylene	7.749	152	2157185	37.57	ppb		99
57) 2,6-Dinitrotoluene	7.668	165	379936	49.27	ppb		96
58) 3-Nitroaniline	7.904	138	382870	37.62	ppb		97
59) Acenaphthene	7.989	153	1496342	42.11	ppb		99
60) 2,4-Dinitrophenol	8.053	184	335058	78.01	ppb	#	85
61) 4-Nitrophenol	8.214	109	155239	36.98	ppb	#	1
62) Dibenzofuran	8.230	168	1838594	39.48	ppb		97
63) 2,4-Dinitrotoluene	8.235	165	456326	45.27	ppb		96
64) 2,3,4,6-Tetrachlorophenol	8.428	232	233326	37.78	ppb		98
65) Diethylphthalate	8.588	149	1603589	44.74	ppb		99
66) Fluorene	8.722	166	1531490	41.28	ppb		98
67) 4-Chlorophenyl-phenyle...	8.733	204	651648	44.43	ppb		100
68) 4-Nitroaniline	8.781	138	481740	45.34	ppb		97
70) 4,6-Dinitro-2-methylph...	8.829	198	199512	37.44	ppb		97
71) n-Nitrosodiphenylamine	8.915	169	1121960	44.52	ppb		96
72) 1,2-Diphenylhydrazine	8.968	77	1671883	41.19	ppb		96
74) 4-Bromophenyl-phenylether	9.460	248	352747	50.22	ppb		94
75) Hexachlorobenzene	9.551	284	348386	47.08	ppb		93
76) Pentachlorophenol	9.872	266	153688	34.08	ppb		98
77) Phenanthrene	10.161	178	2254020	40.86	ppb		99
78) Anthracene	10.236	178	2330151	42.59	ppb		99
79) Carbazole	10.514	167	2192555	38.27	ppb		99
80) Di-n-butylphthalate	11.118	149	2767475	46.75	ppb		100
81) Fluoranthene	12.022	202	2133773	43.85	ppb		96
82) Octadecane	10.054	57	966372	37.11	ppb		97
84) Pyrene	12.370	202	2225968	45.54	ppb		99
86) Butylbenzylphthalate	13.493	149	1182016	51.92	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63911.D
Acq On : 27 May 2014 11:48 pm
Operator : ashleyd
Sample : op75114-bs1
Misc : op75114,E2M2711,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

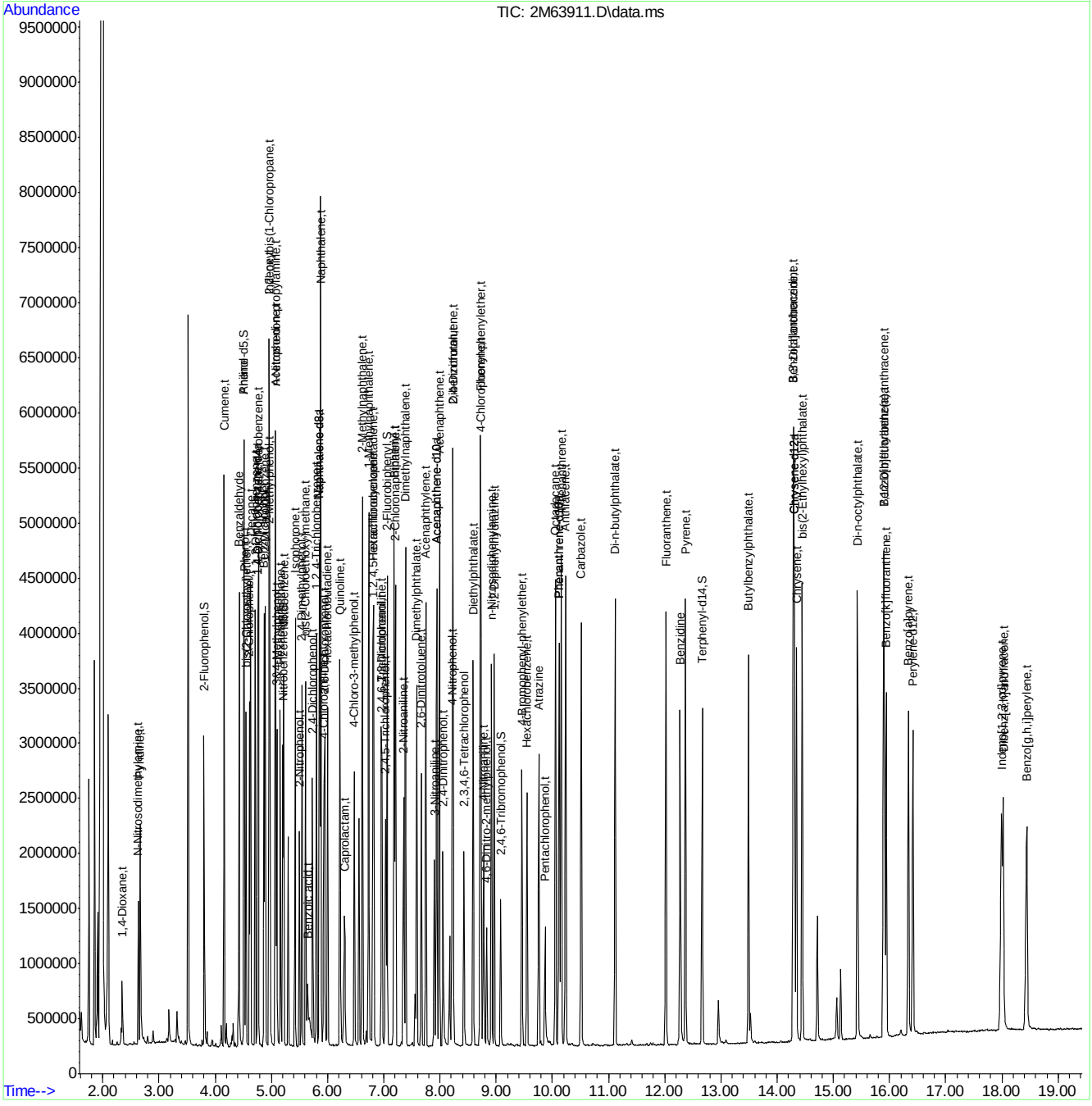
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.290	228	1572080	42.41	ppb	99
89) 3,3'-Dichlorobenzidine	14.290	252	759577	69.20	ppb	98
90) Chrysene	14.349	228	1722026	45.59	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.445	149	1622606	54.06	ppb	99
93) Di-n-octylphthalate	15.429	149	2873812	48.60	ppb	100
94) Benzo[b]fluoranthene	15.900	252	1594875	46.36	ppb	98
95) Benzo[k]fluoranthene	15.943	252	1536369	39.34	ppb	95
96) Benzo[a]pyrene	16.338	252	1494078	47.82	ppb	96
97) Indeno[1,2,3-cd]pyrene	17.991	276	1666910	45.57	ppb	90
99) Dibenz[a,h]anthracene	18.023	278	1482915	47.21	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.900	256	683387	38.67	ppb	100
101) Benzo[g,h,i]perylene	18.440	276	1399192	46.19	ppb	95
103) Benzaldehyde	4.427	105	651783	40.52	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.823	216	534434	41.67	ppb	99
107) Benzidine	12.273	184	1697080	59.09	ppb	99
109) Atrazine	9.760	215	196260	48.17	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63911.D
Acq On : 27 May 2014 11:48 pm
Operator : ashleyd
Sample : op75114-bs1
Misc : op75114,E2M2711,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:21:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

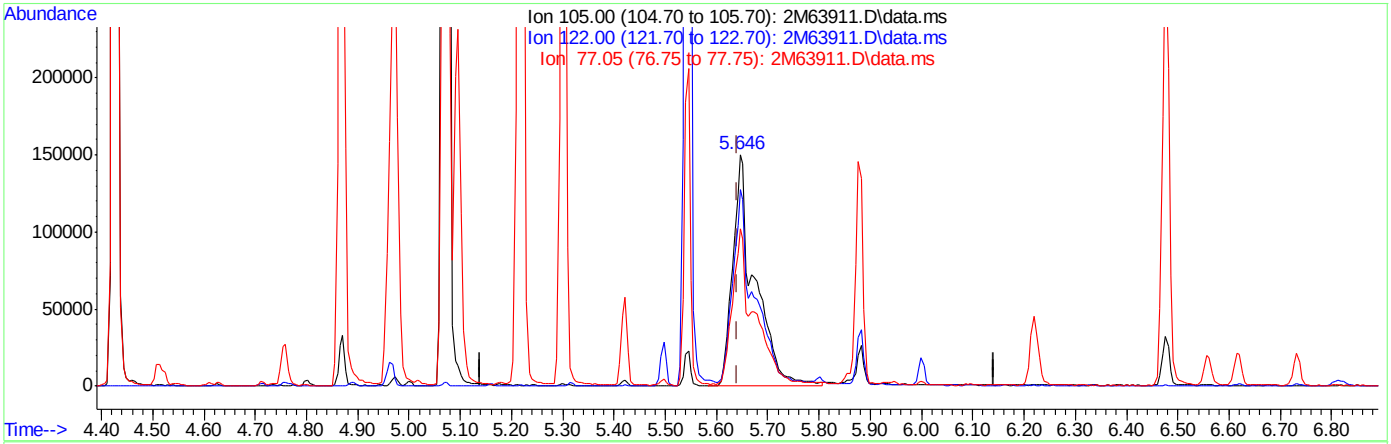
Sample Number:	OP75114-BS1	**Method:**	SW846 8270D
Lab FileID:	2M63911.D	**Analyst approved:**	05/29/14 17:01 Andrew Lee Smith
Injection Time:	05/27/14 23:48	**Supervisor approved:**	05/30/14 08:45 Kristin Weiler

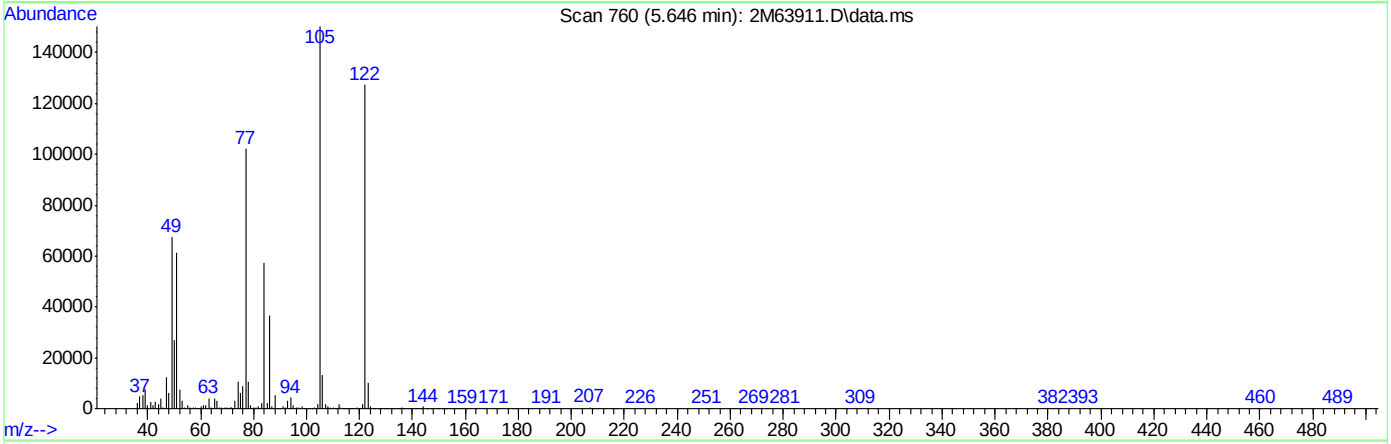
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.65	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63911.D
Acq On : 27 May 2014 11:48 pm
Operator : ashleyd
Sample : op75114-bs1
Misc : op75114,E2M2711,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 28 14:57:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration





TIC: 2M63911.D\data.ms

(31) Benzoic acid (t)

5.646min (+0.006) 32.60ppb m

response 448247

Ion	Exp%	Act%
105.00	100	100
122.00	80.20	84.66
77.05	69.90	67.94
0.00	0.00	0.00

ACCUTEST LABORATORIES
JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91927.D
Acq On : 28 May 2014 11:35 pm
Operator : ashleyd
Sample : op75133-bs1
Misc : op75133,ez4575,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:31:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	280137	40.00	ppb	-0.03
24) Naphthalene-d8	5.105	136	1103054	40.00	ppb	-0.03
47) Acenaphthene-d10	7.162	164	608505	40.00	ppb	-0.03
69) Phenanthrene-d10	8.962	188	1017228	40.00	ppb	-0.03
83) Chrysene-d12	12.707	240	1005959	40.00	ppb	-0.03
92) Perylene-d12	14.753	264	938627	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.759	152	280137	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.962	188	1017228	40.00	ppb	-0.03
107) Chrysene-d12a	12.707	240	1005959	40.00	ppb	-0.03
110) Acenaphthene-d10a	7.162	164	608505	40.00	ppb	-0.03
112) Naphthalene-d8a	5.148	136	161040	40.00	ppb	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	235383	24.59	ppb	-0.02
Spiked Amount 50.000			Recovery = 49.18%			
8) Phenol-d5	3.417	99	200803	16.65	ppb	-0.02
Spiked Amount 50.000			Recovery = 33.30%			
25) Nitrobenzene-d5	4.320	82	466385	47.98	ppb	-0.03
Spiked Amount 50.000			Recovery = 95.96%			
51) 2-Fluorobiphenyl	6.371	172	880088	45.62	ppb	-0.03
Spiked Amount 50.000			Recovery = 91.24%			
73) 2,4,6-Tribromophenol	8.118	330	142339	57.26	ppb	-0.02
Spiked Amount 50.000			Recovery = 114.52%			
86) Terphenyl-d14	11.169	244	1051401	51.97	ppb	-0.03
Spiked Amount 50.000			Recovery = 103.94%			
106) 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	1.729	88	95315	19.87	ppb	98
3) Pyridine	1.895	79	216141	17.39	ppb	98
4) N-Nitrosodimethylamine	1.868	74	167844	24.98	ppb	97
6) Indene	4.016	116	762496	40.20	ppb	99
7) Cumene	3.054	105	953196	35.52	ppb	99
9) Phenol	3.428	94	179548	13.27	ppb	98
10) Aniline	3.455	93	334394	22.74	ppb	90
11) bis(2-Chloroethyl)ether	3.497	93	464983	49.02	ppb	98
12) 2-Chlorophenol	3.567	128	332127	30.79	ppb	97
13) Decane	3.593	43	382848	29.84	ppb	95
14) 1,3-Dichlorobenzene	3.711	146	450612	38.79	ppb	98
15) 1,4-Dichlorobenzene	3.775	146	459664	38.62	ppb	99
16) Benzyl alcohol	3.893	108	247540	38.10	ppb	95
17) 1,2-Dichlorobenzene	3.930	146	445559	39.94	ppb	98
18) Acetophenone	4.160	105	634962	40.94	ppb	97
19) 2-Methylphenol	4.016	108	245599	27.04	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.026	121	149779	47.80	ppb	95
21) 3&4-Methylphenol	4.170	108	240846	24.70	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91927.D
Acq On : 28 May 2014 11:35 pm
Operator : ashleyd
Sample : op75133-bs1
Misc : op75133,ez4575,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:31:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.160	70	334339	48.91	ppb		97
23) Hexachloroethane	4.272	201	140600	38.22	ppb		97
26) Nitrobenzene	4.341	77	502222	46.74	ppb		97
27) Quinoline	5.506	129	870382	39.39	ppb		100
28) Isophorone	4.592	82	860935	48.50	ppb		98
29) 2-Nitrophenol	4.683	139	202870	40.32	ppb		82
30) 2,4-Dimethylphenol	4.742	107	331027	39.45	ppb		97
31) Benzoic Acid	4.849	105	55019	11.72	ppb	#	64
32) bis(2-Chloroethoxy)met...	4.838	93	554746	51.41	ppb		99
33) 2,4-Dichlorophenol	4.956	162	283162	36.80	ppb		99
34) 2,6-Dichlorophenol	5.212	162	281507	37.31	ppb		99
36) 1,2,4-Trichlorobenzene	5.041	180	374579	40.88	ppb		98
38) Naphthalene	5.127	128	1321271	42.95	ppb		99
39) 4-Chloroaniline	5.202	127	344259	28.37	ppb		99
40) 2,3-Dichloroaniline	6.270	161	424117	40.27	ppb		99
41) Caprolactam	5.575	55	50342	9.82	ppb		97
42) Hexachlorobutadiene	5.282	225	194775	39.33	ppb		98
43) 4-Chloro-3-methylphenol	5.789	107	290812	35.57	ppb		99
44) 2-Methylnaphthalene	5.928	141	770686	46.11	ppb		98
45) 1-Methylnaphthalene	6.040	141	745588	40.49	ppb		99
46) Dimethylnaphthalene	6.671	156	769785	41.26	ppb		100
48) Hexachlorocyclopentadiene	6.126	237	386430	80.33	ppb		99
49) 2,4,6-Trichlorophenol	6.275	196	207200	39.24	ppb		98
50) 2,4,5-Trichlorophenol	6.318	196	222795	39.77	ppb		98
52) 2-Chloronaphthalene	6.500	162	811771	44.84	ppb		99
53) Biphenyl	6.484	154	1032543	40.12	ppb		99
54) 2-Nitroaniline	6.639	65	265474	53.48	ppb		95
55) Dimethylphthalate	6.868	163	986002	51.01	ppb		100
56) Acenaphthylene	6.991	152	1195039	42.02	ppb		100
57) 2,6-Dinitrotoluene	6.932	165	220782	55.73	ppb		96
58) 3-Nitroaniline	7.130	138	173614	34.68	ppb		89
59) Acenaphthene	7.199	153	869748	48.34	ppb		100
60) 2,4-Dinitrophenol	7.258	184	209859	80.19	ppb		95
61) 4-Nitrophenol	7.381	109	44611	19.69	ppb	#	55
62) Dibenzofuran	7.413	168	1156376	46.33	ppb		89
63) 2,4-Dinitrotoluene	7.413	165	297116	54.94	ppb		66
64) 2,3,4,6-Tetrachlorophenol	7.573	232	178172	39.29	ppb		99
65) Diethylphthalate	7.723	149	995622	52.91	ppb		100
66) Fluorene	7.819	166	976299	50.01	ppb		98
67) 4-Chlorophenyl-phenyle...	7.835	204	460862	50.45	ppb		97
68) 4-Nitroaniline	7.873	138	261348	52.08	ppb		93
70) 4,6-Dinitro-2-methylph...	7.905	198	128615	39.39	ppb		97
71) n-Nitrosodiphenylamine	7.985	169	693562	53.82	ppb		99
72) 1,2-Diphenylhydrazine	8.022	77	1020830	50.94	ppb		94
74) 4-Bromophenyl-phenylether	8.423	248	274908	52.63	ppb		96
75) Hexachlorobenzene	8.492	284	314213	50.42	ppb		98
76) Pentachlorophenol	8.749	266	140091	44.21	ppb		99
77) Phenanthrene	8.994	178	1444340	48.82	ppb		100
78) Anthracene	9.059	178	1462833	51.01	ppb		99
79) Carbazole	9.283	167	1343532	45.23	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91927.D
Acq On : 28 May 2014 11:35 pm
Operator : ashleyd
Sample : op75133-bs1
Misc : op75133,ez4575,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:31:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

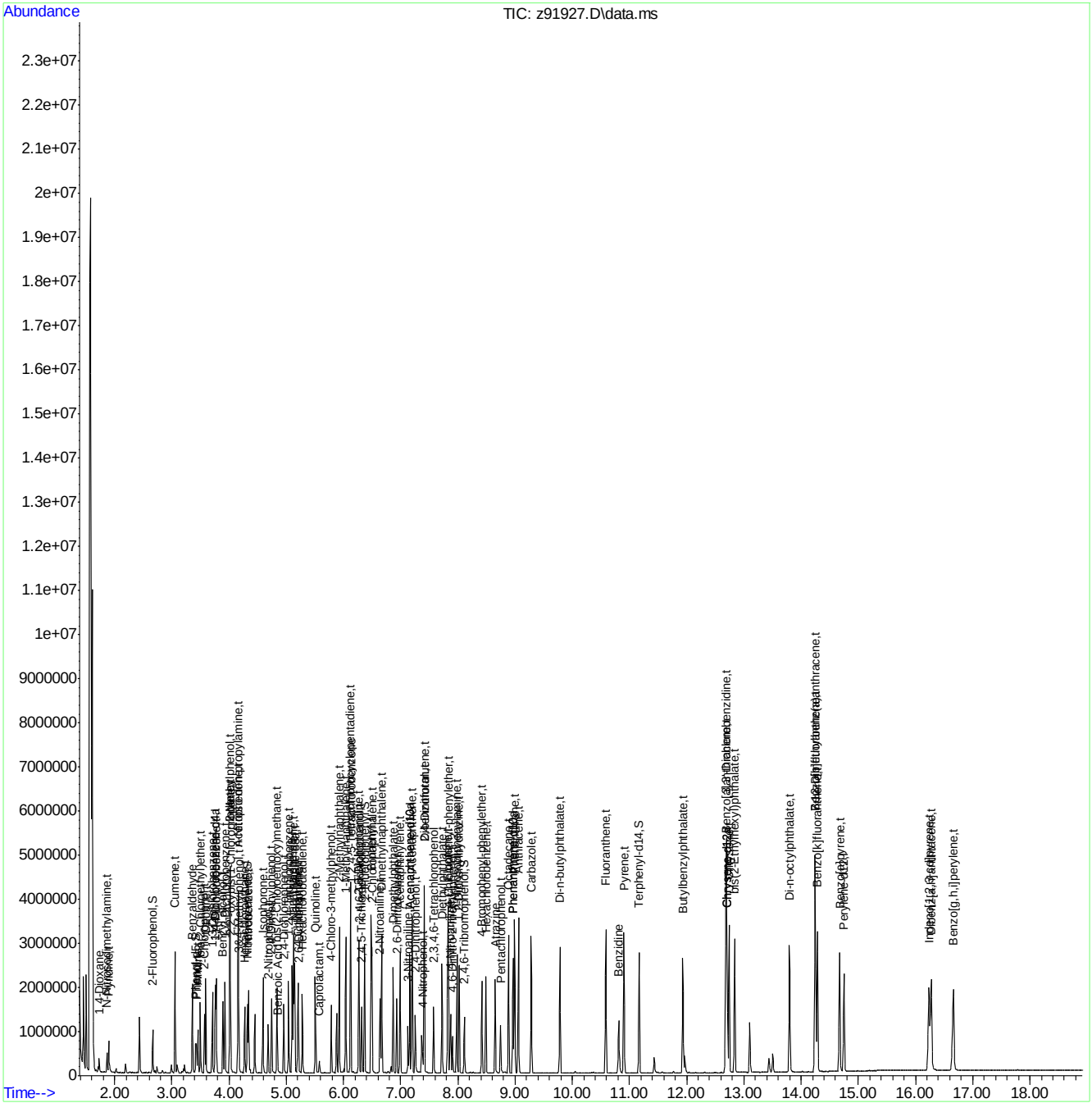
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Di-n-butylphthalate	9.785	149	1718473	58.89	ppb		100
81)	Fluoranthene	10.586	202	1531615	53.17	ppb		97
82)	Octadecane	8.888	57	604186	43.25	ppb		97
84)	Pyrene	10.907	202	1588997	51.81	ppb		95
87)	Butylbenzylphthalate	11.933	149	753269	60.90	ppb		99
88)	Benzo[a]anthracene	12.686	228	1443729	52.19	ppb		100
89)	3,3'-Dichlorobenzidine	12.691	252	601638	66.15	ppb		99
90)	Chrysene	12.745	228	1448541	52.74	ppb		98
91)	bis(2-Ethylhexyl)phtha...	12.841	149	1043589	62.12	ppb		100
93)	Di-n-octylphthalate	13.797	149	1805366	56.49	ppb		100
94)	Benzo[b]fluoranthene	14.246	252	1488278	53.21	ppb		98
95)	Benzo[k]fluoranthene	14.283	252	1488173	51.51	ppb		99
96)	Benzo[a]pyrene	14.679	252	1335777	53.76	ppb		97
97)	Indeno[1,2,3-cd]pyrene	16.233	276	1312328	54.75	ppb		99
99)	Dibenz[a,h]anthracene	16.276	278	1385657	54.82	ppb		97
100)	7,12-Dimethylbenz(a)an...	14.246	256	637365	58.51	ppb		99
101)	Benzo[g,h,i]perylene	16.661	276	1330949	53.30	ppb		97
103)	Benzaldehyde	3.358	105	385061	59.40	ppb		85
105)	Atrazine	8.658	215	137497	63.03	ppb	#	76
108)	Benzidine	10.811	184	529318	51.25	ppb		98
111)	1,2,4,5-Tetrachloroben...	6.131	216	347977	48.12	ppb		99

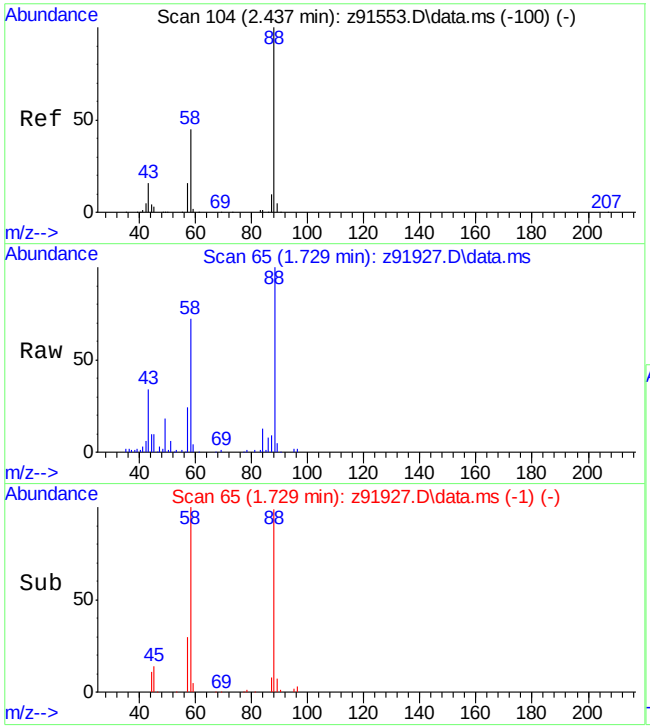
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91927.D
Acq On : 28 May 2014 11:35 pm
Operator : ashleyd
Sample : op75133-bs1
Misc : op75133,ez4575,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:31:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

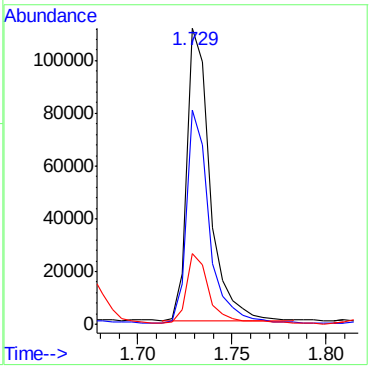


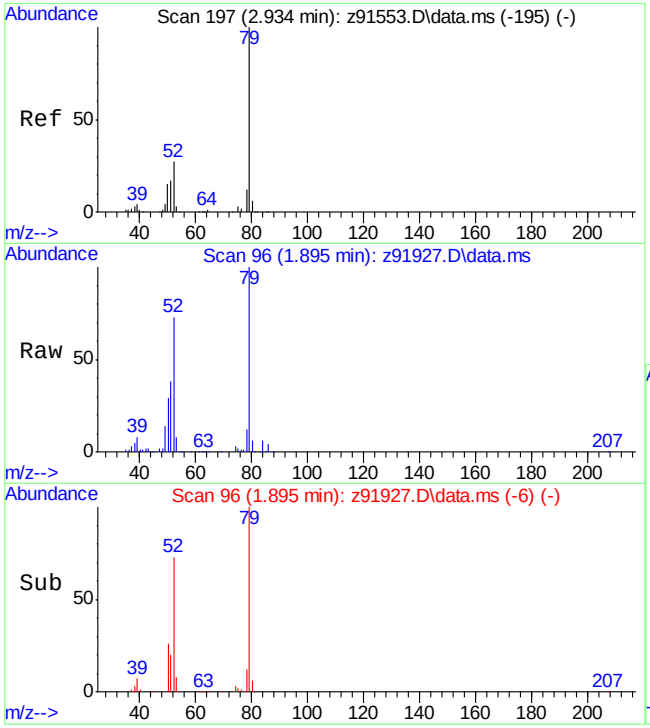


#2
1,4-Dioxane
Concen: 19.87 ppb
RT: 1.729 min Scan# 65
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 88 Resp: 95315

Ion	Ratio	Lower	Upper
88	100		
58	69.7	51.1	91.1
57	24.0	3.5	43.5

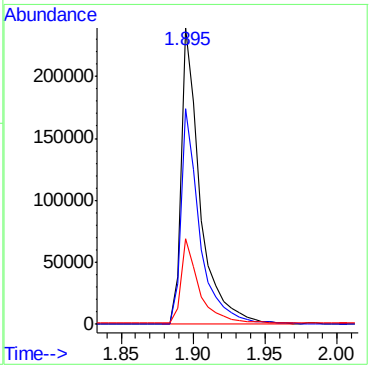


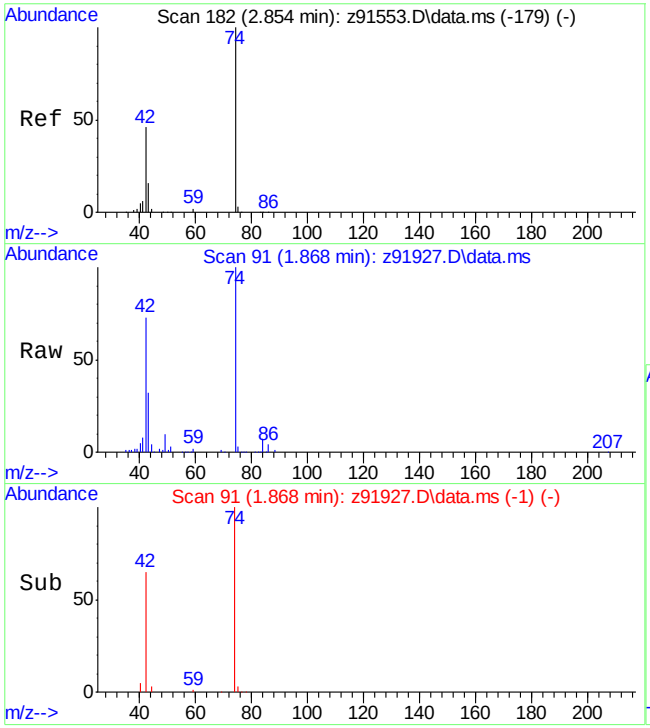


#3
Pyridine
Concen: 17.39 ppb
RT: 1.895 min Scan# 96
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 79 Resp: 216141

Ion	Ratio	Lower	Upper
79	100		
52	72.9	42.0	102.0
50	28.3	0.0	55.6

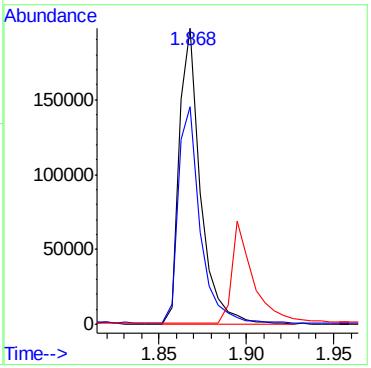


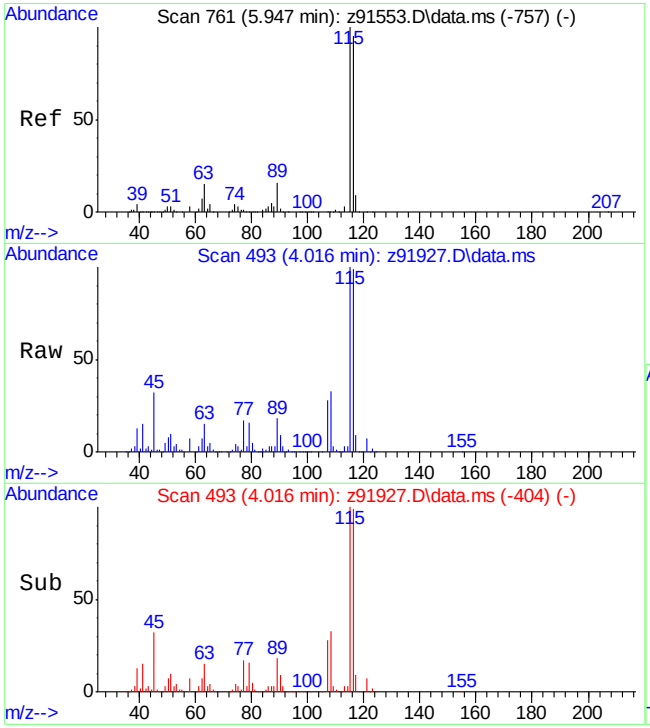


#4
N-Nitrosodimethylamine
Concen: 24.98 ppb
RT: 1.868 min Scan# 91
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 74 Resp: 167844

Ion	Ratio	Lower	Upper
74	100		
42	73.0	40.5	100.5
50	0.0	0.0	30.0

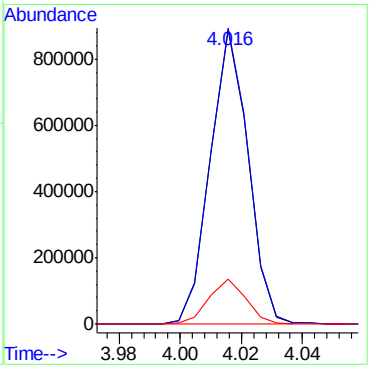


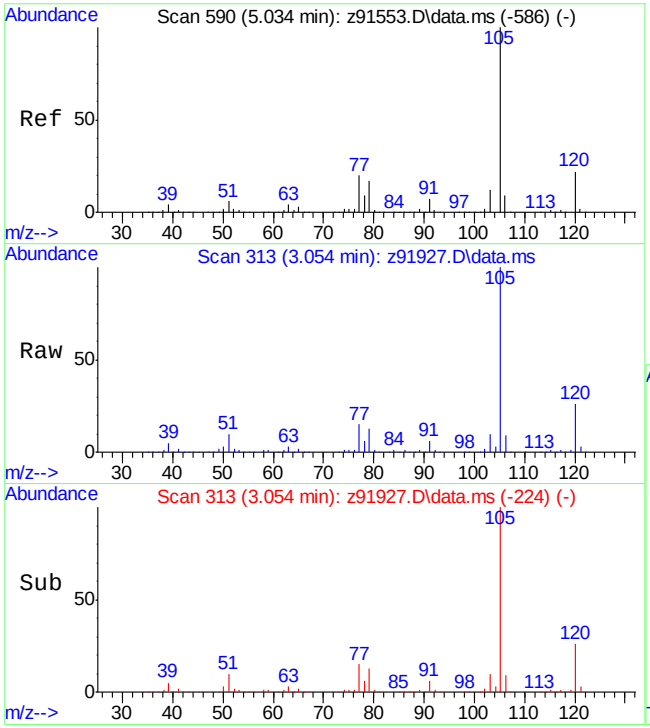


#6
Indene
Concen: 40.20 ppb
RT: 4.016 min Scan# 493
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:116 Resp: 762496

Ion	Ratio	Lower	Upper
116	100		
115	101.0	70.6	130.6
63	15.2	0.0	44.5

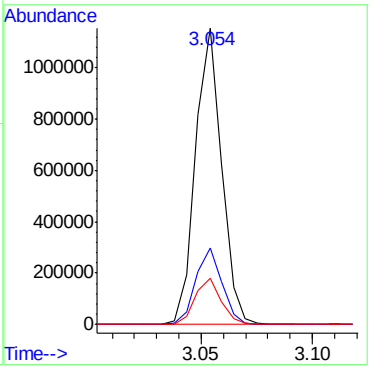


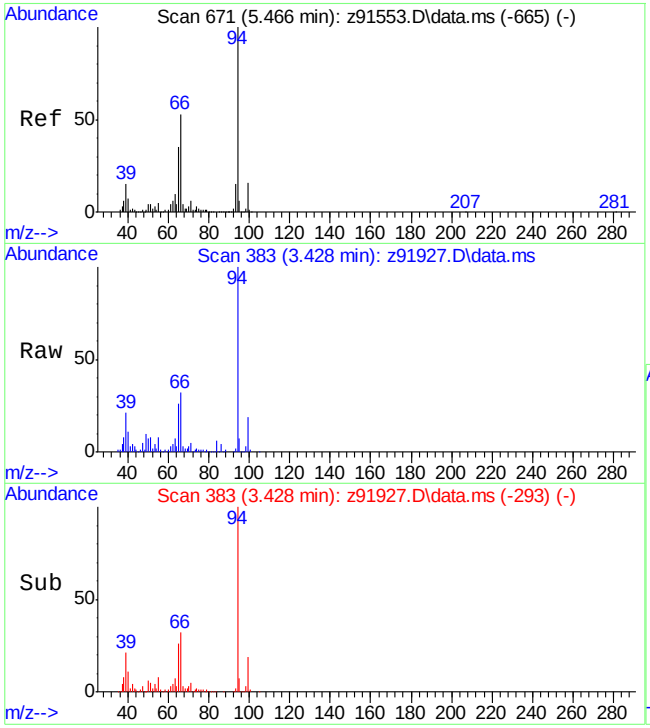


#7
Cumene
Concen: 35.52 ppb
RT: 3.054 min Scan# 313
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:105 Resp: 953196

Ion	Ratio	Lower	Upper
105	100		
120	25.8	0.0	55.6
77	15.4	0.0	44.9

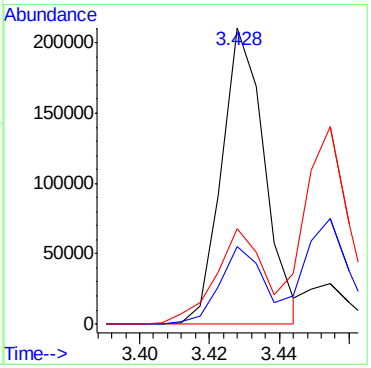


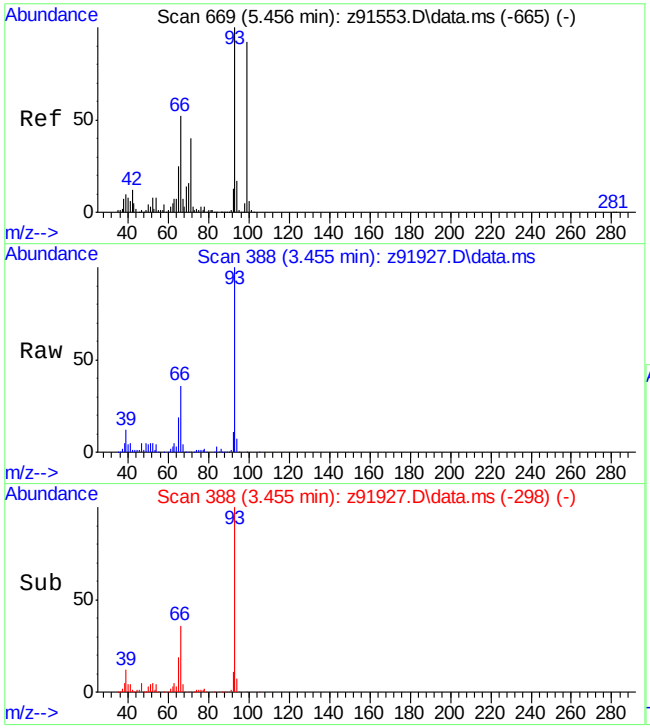


#9
Phenol
Concen: 13.27 ppb
RT: 3.428 min Scan# 383
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 94 Resp: 179548

Ion	Ratio	Lower	Upper
94	100		
65	22.0	0.0	51.5
66	24.3	0.0	53.3

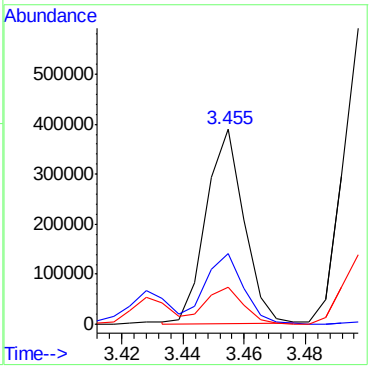


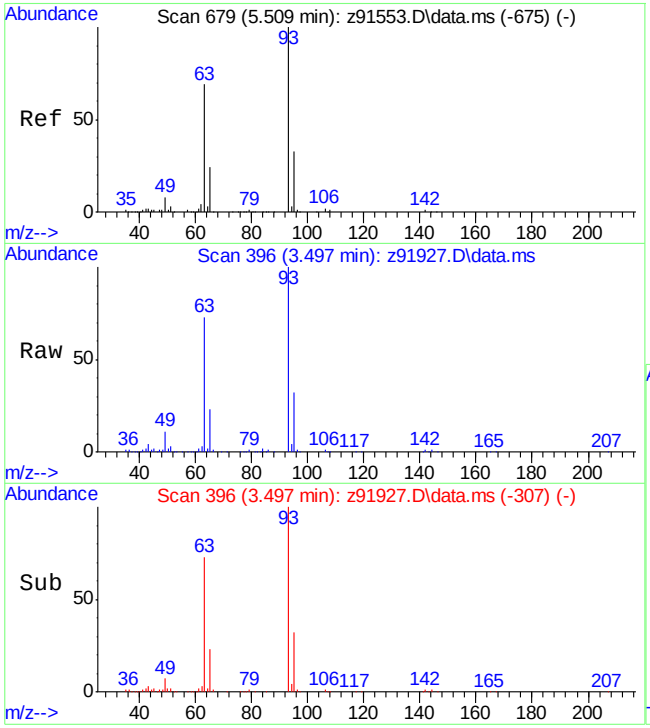


#10
Aniline
Concen: 22.74 ppb
RT: 3.455 min Scan# 388
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 93 Resp: 334394

Ion	Ratio	Lower	Upper
93	100		
66	29.6	4.6	64.6
65	13.7	0.0	49.2

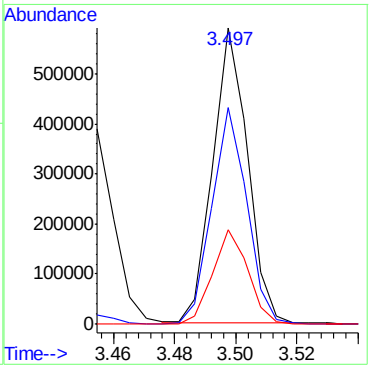


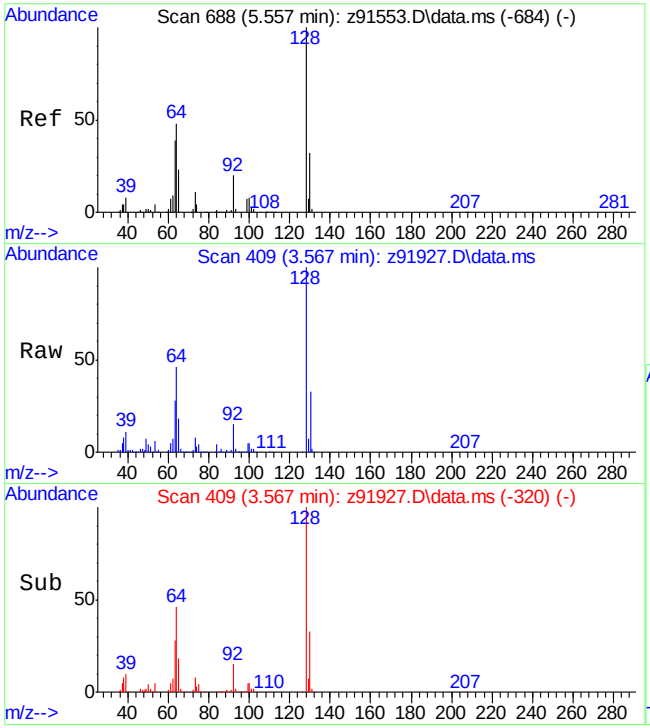


#11
bis(2-Chloroethyl)ether
Concen: 49.02 ppb
RT: 3.497 min Scan# 396
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 93 Resp: 464983

Ion	Ratio	Lower	Upper
93	100		
63	73.3	45.8	105.8
95	32.1	2.2	62.2

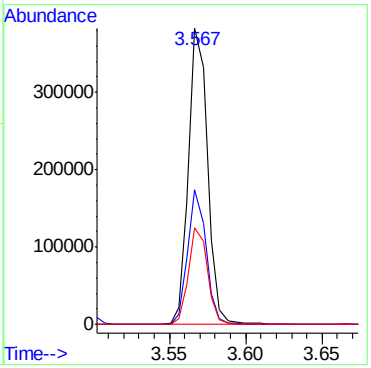


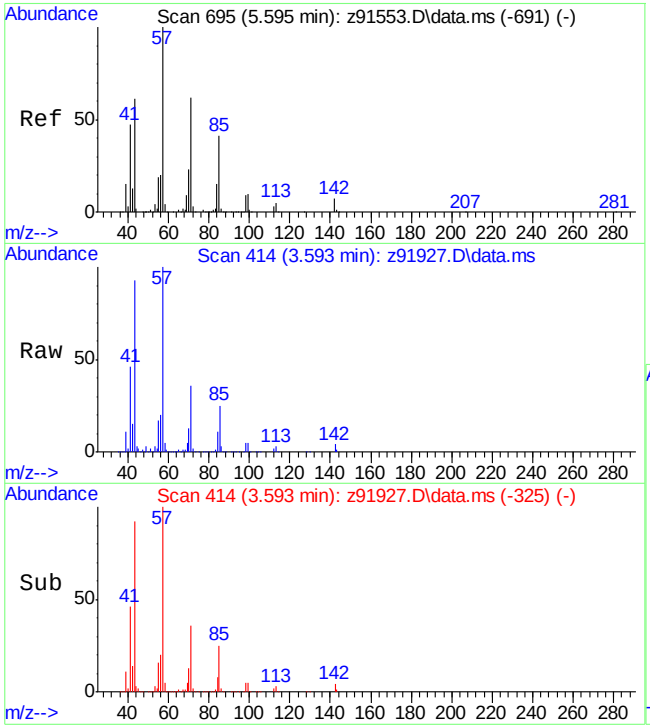


#12
2-Chlorophenol
Concen: 30.79 ppb
RT: 3.567 min Scan# 409
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:128 Resp: 332127

Ion	Ratio	Lower	Upper
128	100		
64	45.5	12.8	72.8
130	32.6	1.7	61.7

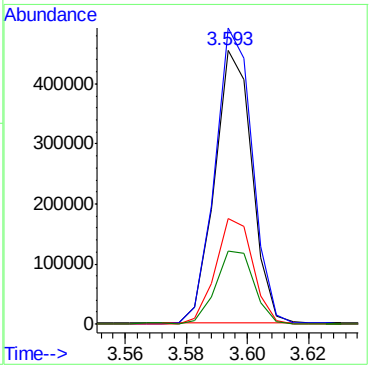


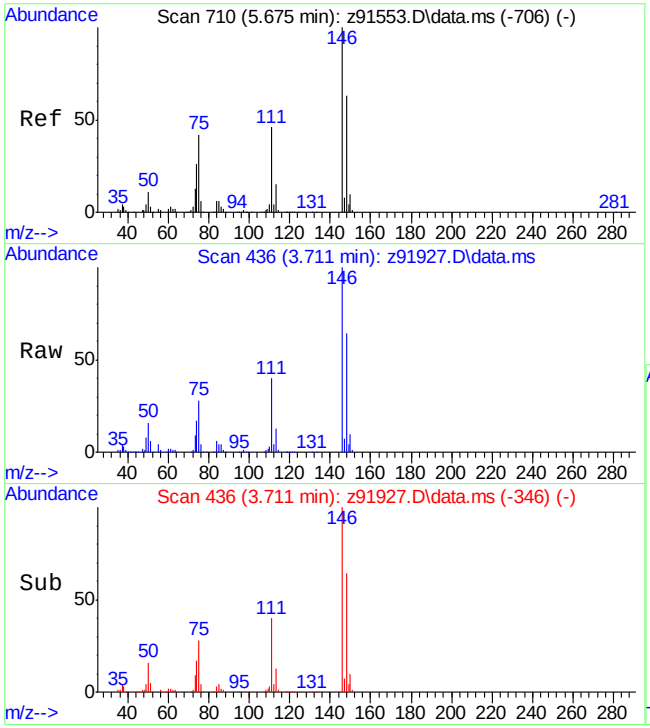


#13
Decane
Concen: 29.84 ppb
RT: 3.593 min Scan# 414
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 43 Resp: 382848

Ion	Ratio	Lower	Upper
43	100		
57	108.4	84.1	144.1
71	38.4	12.1	72.1
85	26.7	0.0	59.5

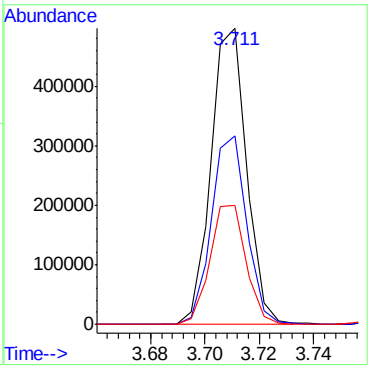


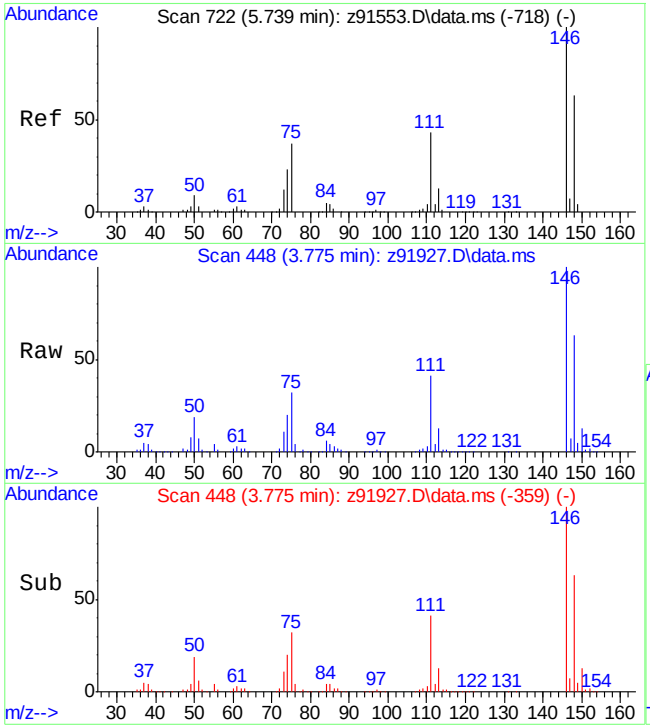


#14
1,3-Dichlorobenzene
Concen: 38.79 ppb
RT: 3.711 min Scan# 436
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:146 Resp: 450612

Ion	Ratio	Lower	Upper
146	100		
148	63.8	32.9	92.9
111	40.3	11.7	71.7

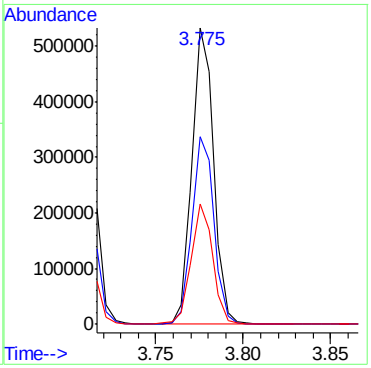


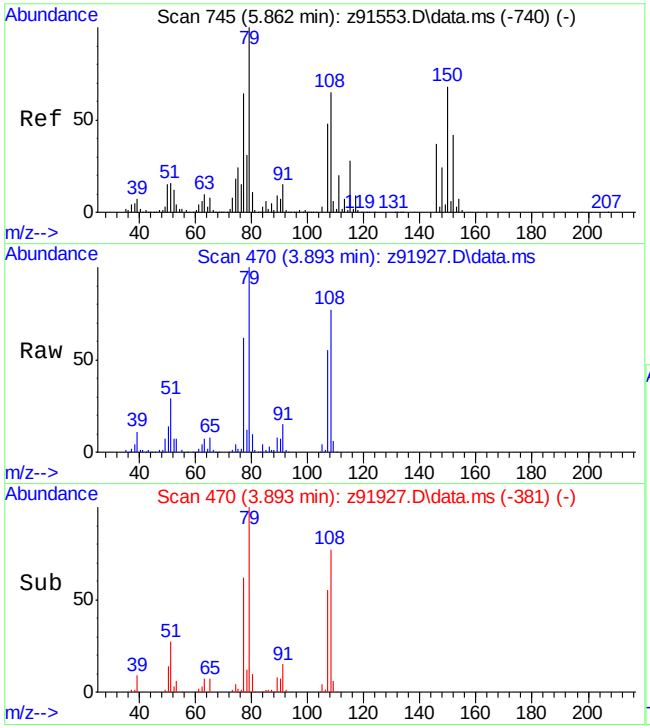


#15
1,4-Dichlorobenzene
Concen: 38.62 ppb
RT: 3.775 min Scan# 448
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:146 Resp: 459664

Ion	Ratio	Lower	Upper
146	100		
148	63.4	32.7	92.7
111	40.4	9.6	69.6

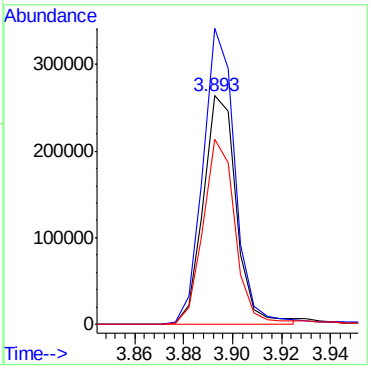


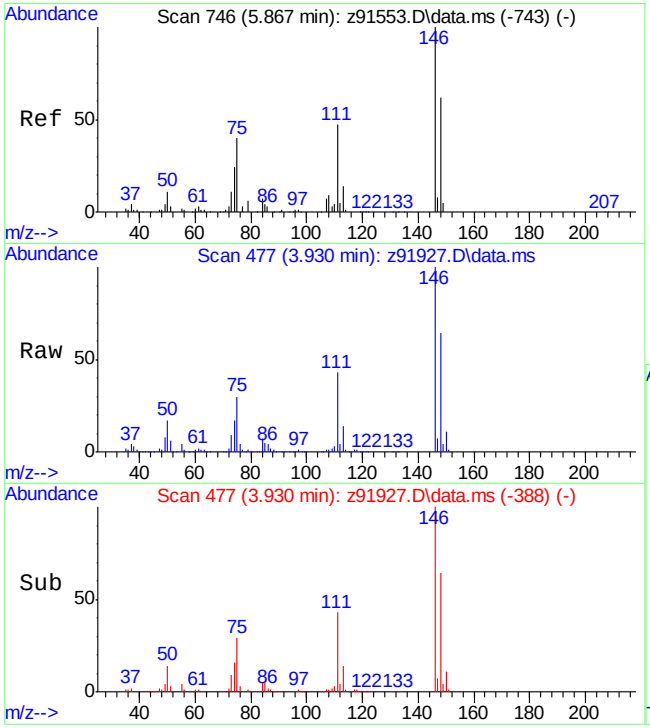


#16
Benzyl alcohol
Concen: 38.10 ppb
RT: 3.893 min Scan# 470
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:108 Resp: 247540

Ion	Ratio	Lower	Upper
108	100		
79	129.9	94.1	154.1
77	80.9	46.5	106.5

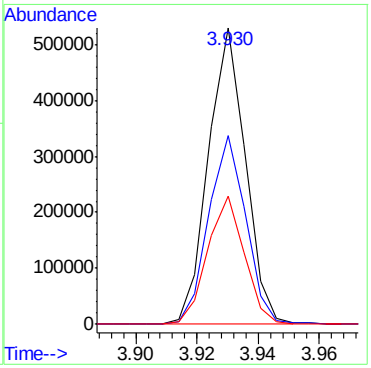


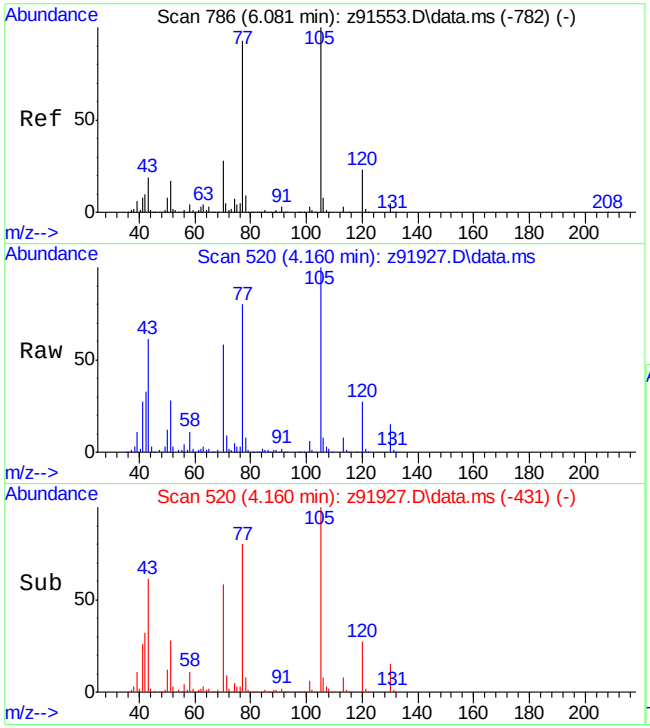


#17
1,2-Dichlorobenzene
Concen: 39.94 ppb
RT: 3.930 min Scan# 477
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:146 Resp: 445559

Ion	Ratio	Lower	Upper
146	100		
148	63.9	33.2	93.2
111	43.3	11.7	71.7

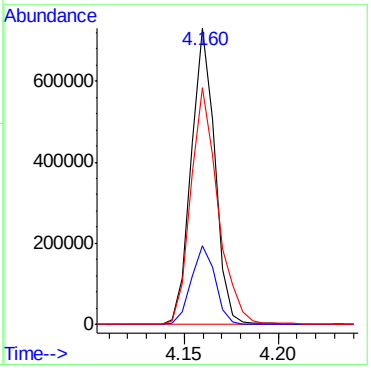


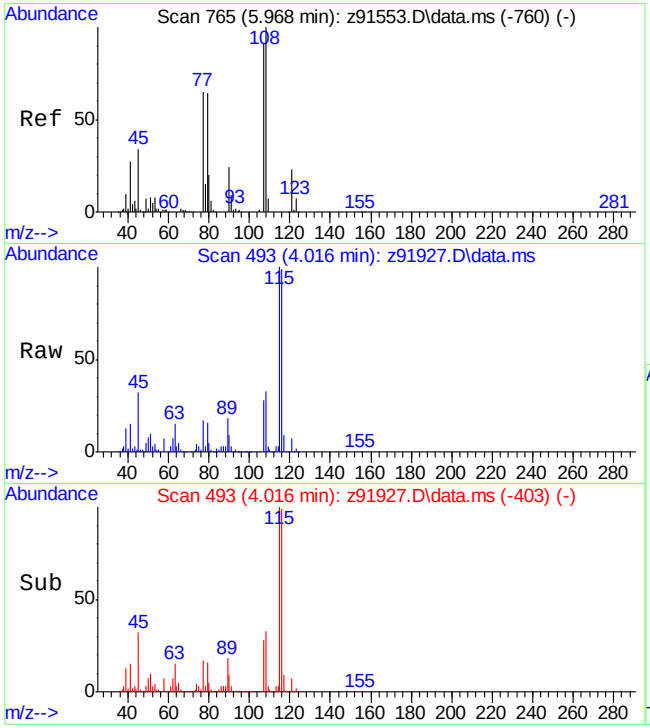


#18
Acetophenone
Concen: 40.94 ppb
RT: 4.160 min Scan# 520
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:105 Resp: 634962

Ion	Ratio	Lower	Upper
105	100		
120	26.6	0.0	57.0
77	79.8	53.0	113.0

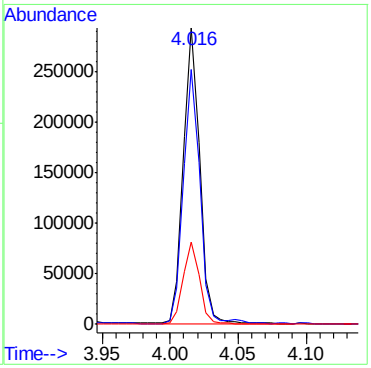


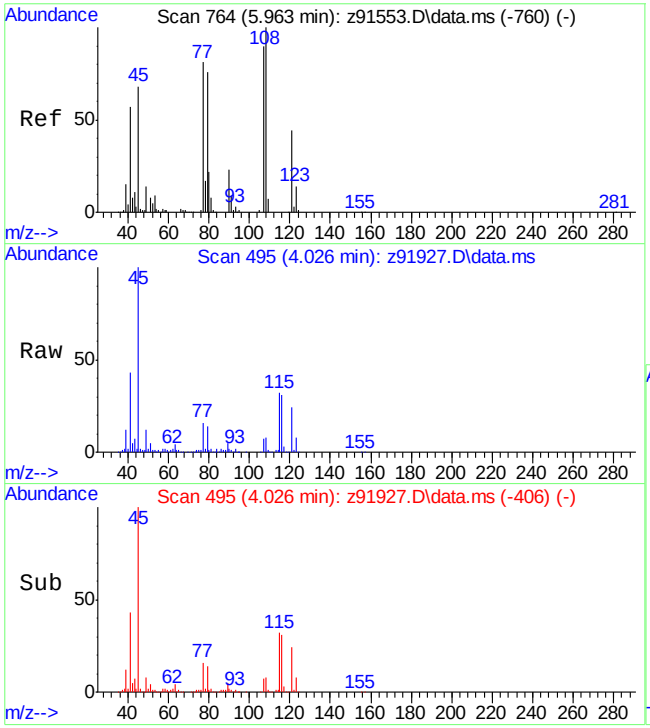


#19
2-Methylphenol
Concen: 27.04 ppb
RT: 4.016 min Scan# 493
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:108 Resp: 245599

Ion	Ratio	Lower	Upper
108	100		
107	86.2	56.2	116.2
90	27.9	0.0	56.1

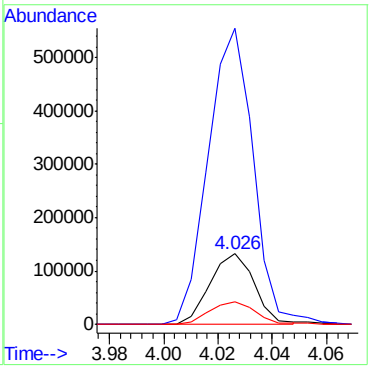


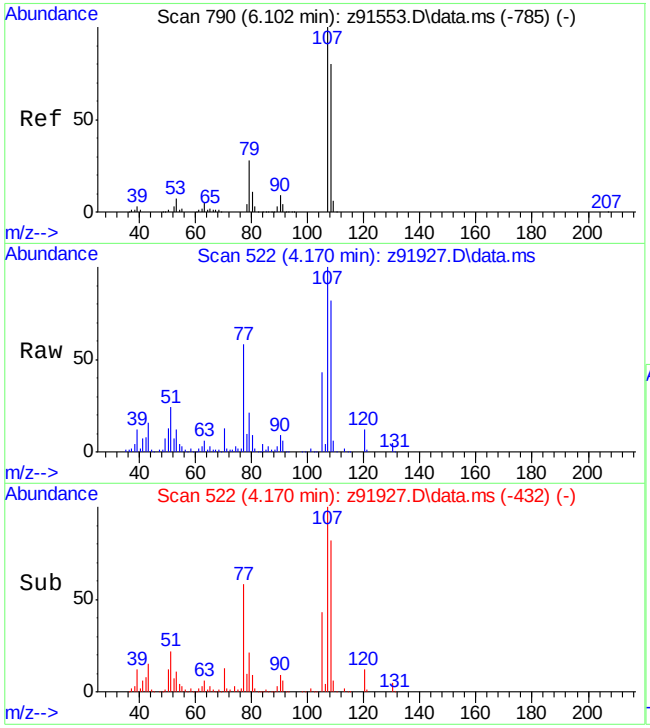


#20
2,2'-oxybis(1-Chloropropane
Concen: 47.80 ppb
RT: 4.026 min Scan# 495
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:121 Resp: 149779

Ion	Ratio	Lower	Upper
121	100		
45	419.2	403.5	463.5
123	32.2	1.8	61.8

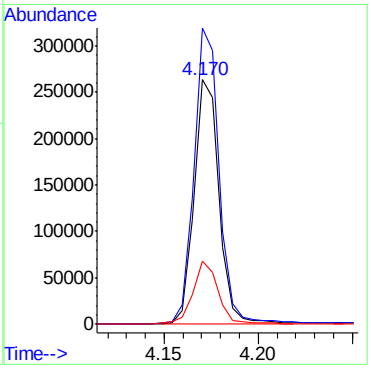


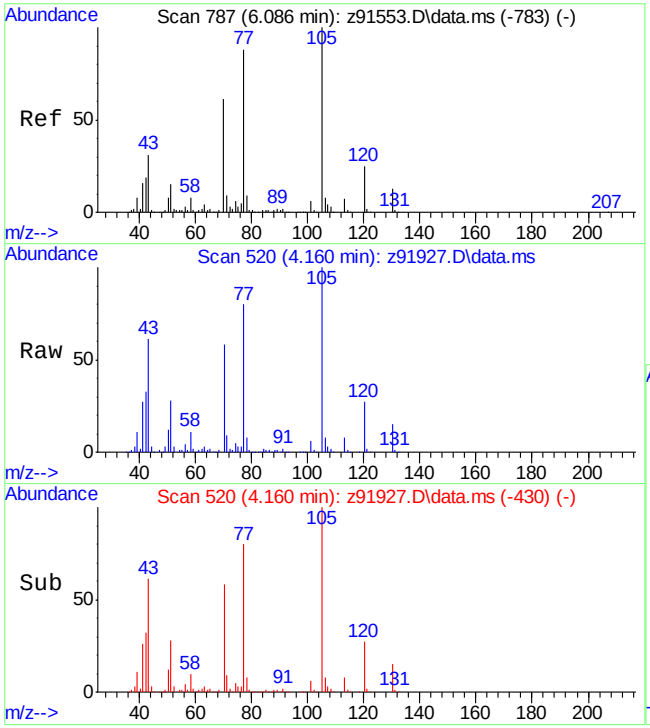


#21
3&4-Methylphenol
Concen: 24.70 ppb
RT: 4.170 min Scan# 522
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:108 Resp: 240846

Ion	Ratio	Lower	Upper
108	100		
107	121.1	91.7	151.7
79	25.7	0.0	54.5

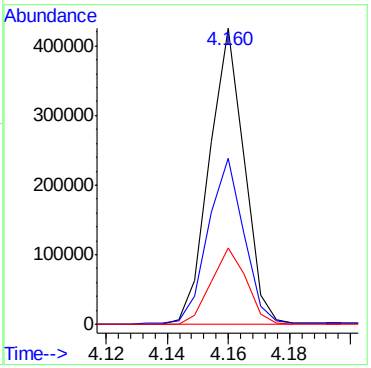


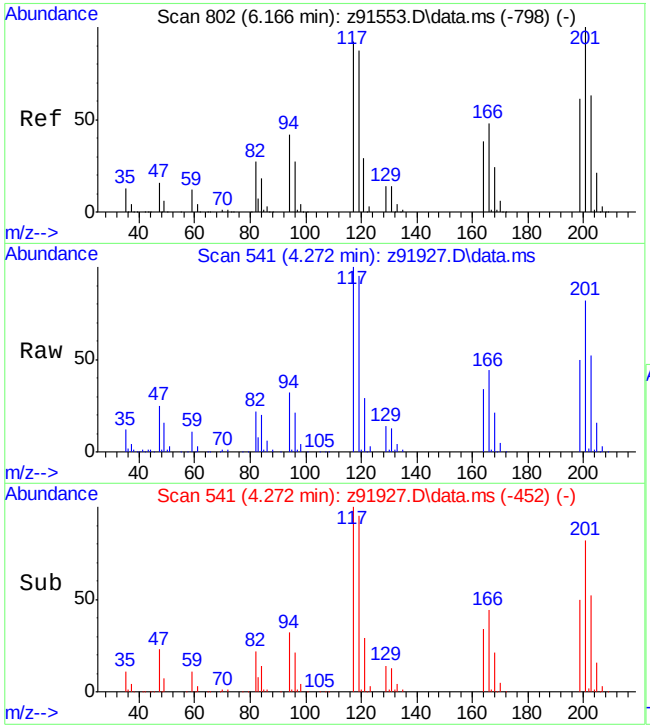


#22
n-Nitroso-di-n-propylamine
Concen: 48.91 ppb
RT: 4.160 min Scan# 520
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 70 Resp: 334339

Ion	Ratio	Lower	Upper
70	100		
42	55.7	23.2	83.2
130	25.7	0.0	56.4

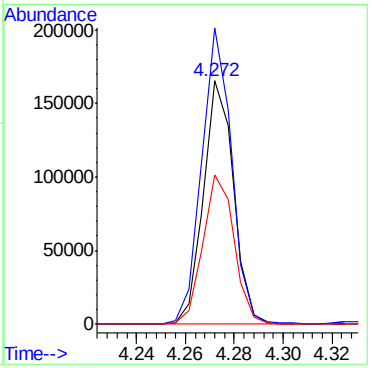


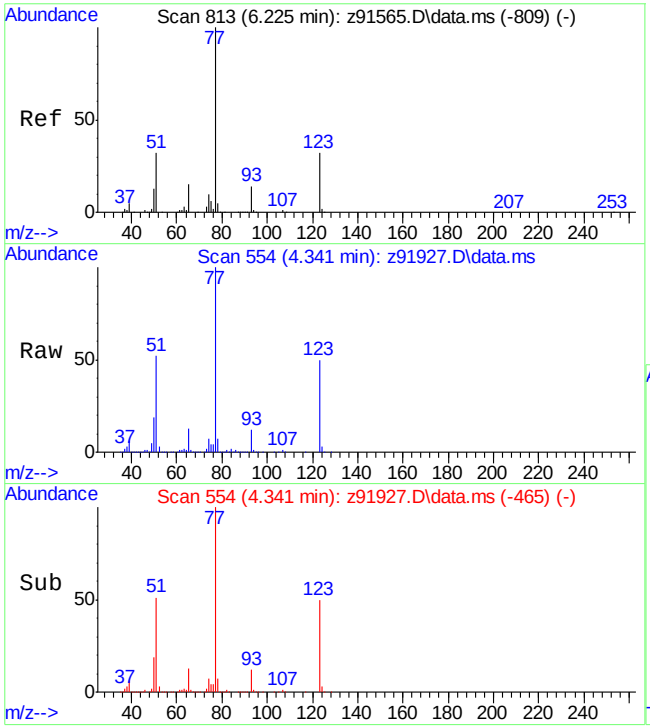


#23
Hexachloroethane
Concen: 38.22 ppb
RT: 4.272 min Scan# 541
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:201 Resp: 140600

Ion	Ratio	Lower	Upper
201	100		
117	121.6	94.4	154.4
199	61.5	35.0	95.0

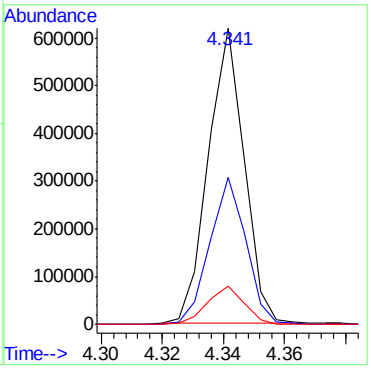


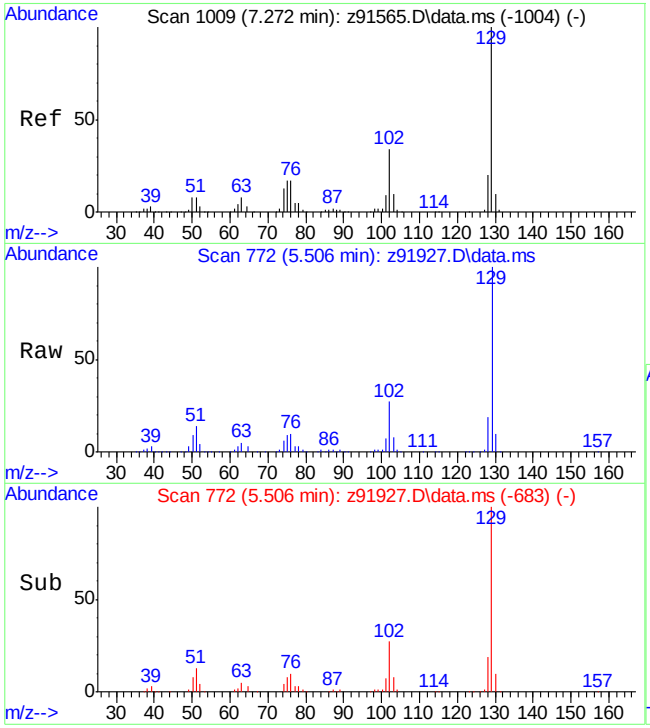


#26
Nitrobenzene
Concen: 46.74 ppb
RT: 4.341 min Scan# 554
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 77 Resp: 502222

Ion	Ratio	Lower	Upper
77	100		
123	49.8	22.5	82.5
65	13.0	0.0	43.2

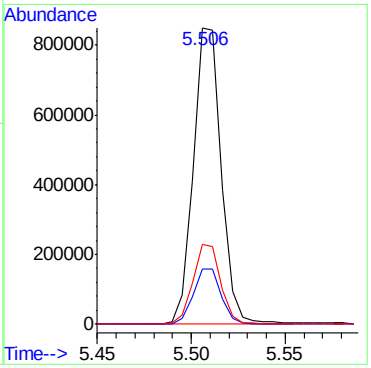


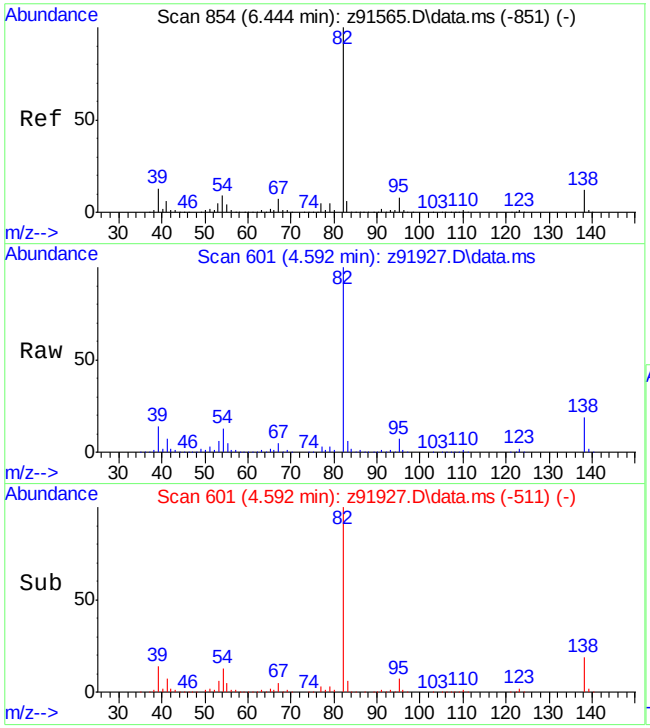


#27
Quinoline
Concen: 39.39 ppb
RT: 5.506 min Scan# 772
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:129 Resp: 870382

Ion	Ratio	Lower	Upper
129	100		
128	18.7	0.0	48.9
102	26.9	0.0	57.0

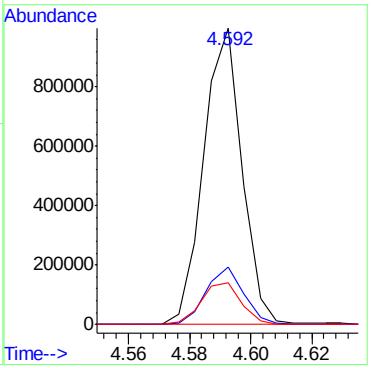


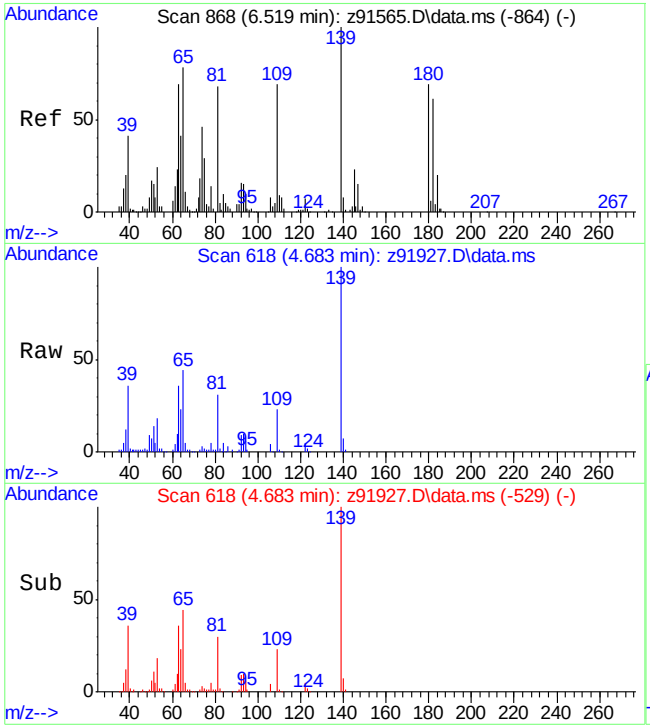


#28
Isophorone
Concen: 48.50 ppb
RT: 4.592 min Scan# 601
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 82 Resp: 860935

Ion	Ratio	Lower	Upper
82	100		
138	19.5	0.0	48.2
39	14.1	0.0	44.4

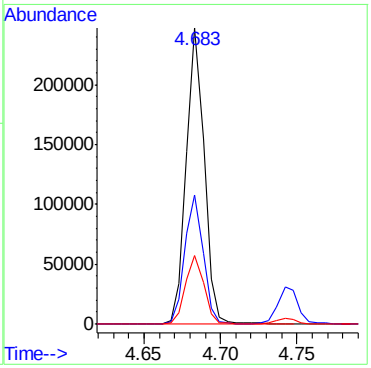


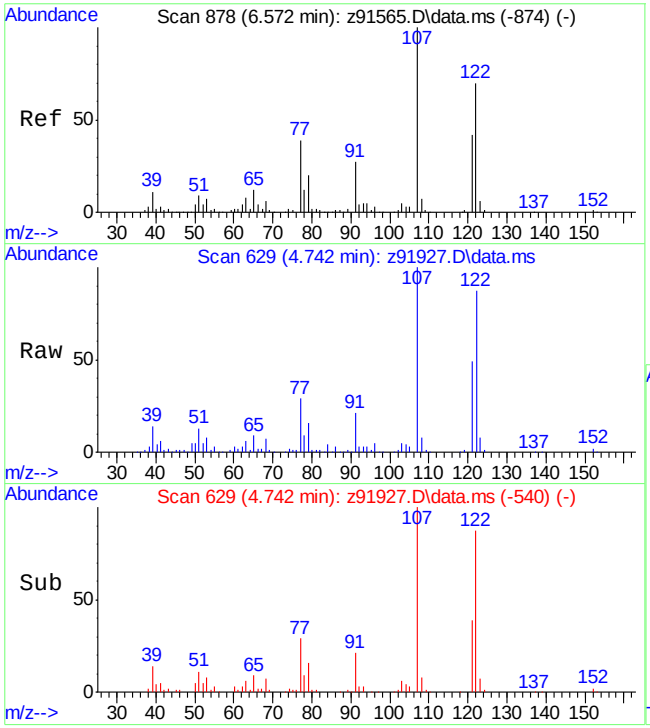


#29
2-Nitrophenol
Concen: 40.32 ppb
RT: 4.683 min Scan# 618
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:139 Resp: 202870

Ion	Ratio	Lower	Upper
139	100		
65	38.0	10.4	70.4
109	22.5	11.9	71.9

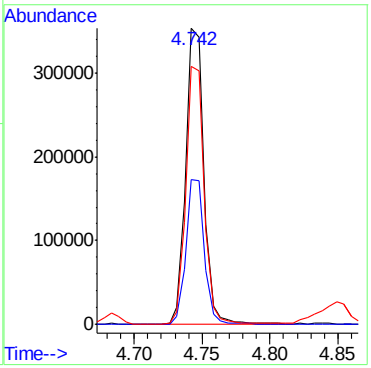


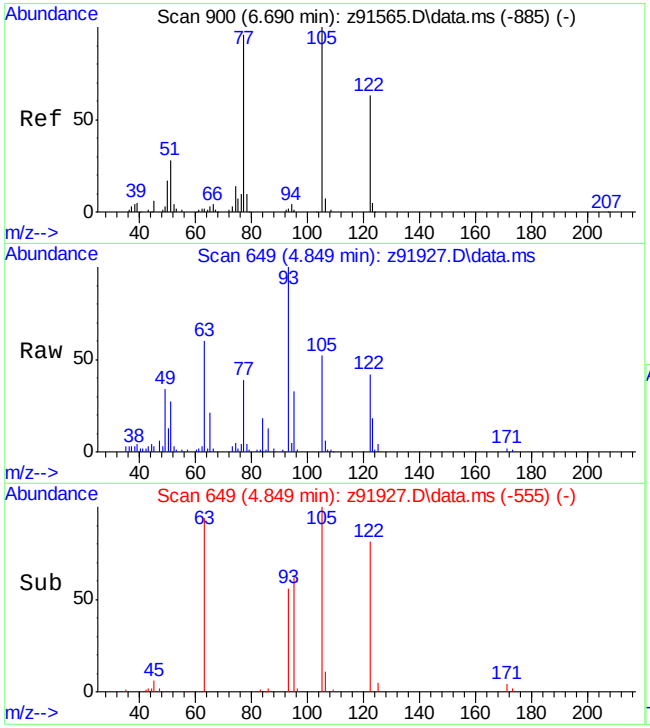


#30
2,4-Dimethylphenol
Concen: 39.45 ppb
RT: 4.742 min Scan# 629
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:107 Resp: 331027

Ion	Ratio	Lower	Upper
107	100		
121	48.9	20.1	80.1
122	87.0	60.1	120.1

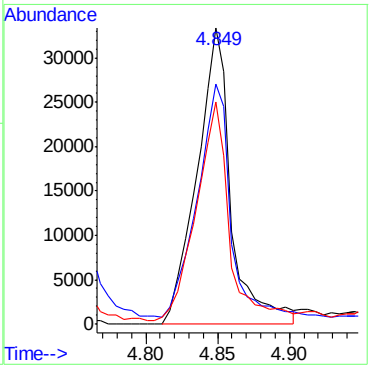


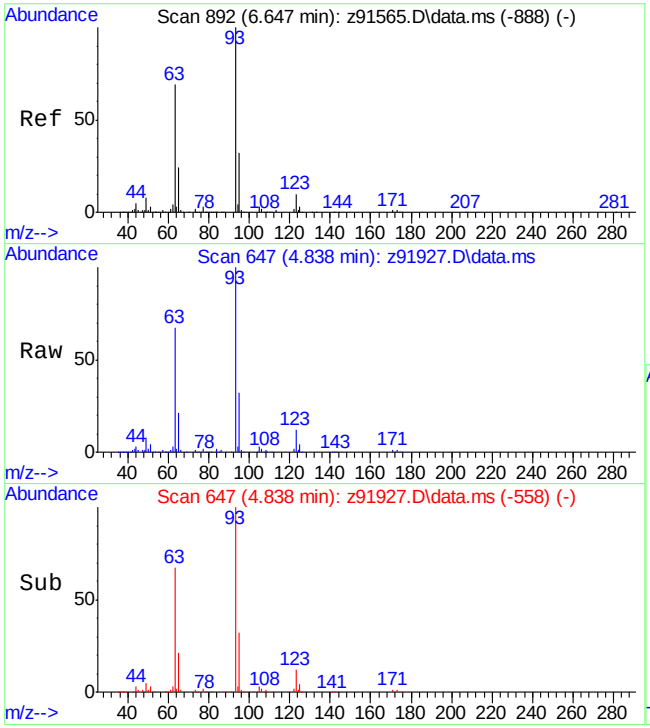


#31
Benzoic Acid
Concen: 11.72 ppb
RT: 4.849 min Scan# 649
Delta R.T. 0.000 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:105 Resp: 55019

Ion	Ratio	Lower	Upper
105	100		
122	79.1	86.2	126.2#
77	71.4	13.9	53.9#

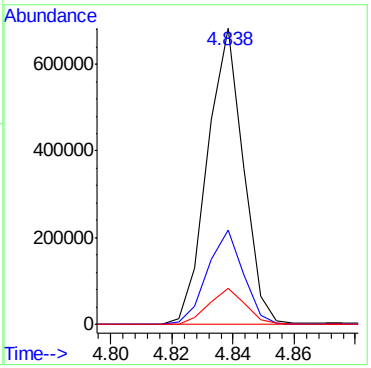


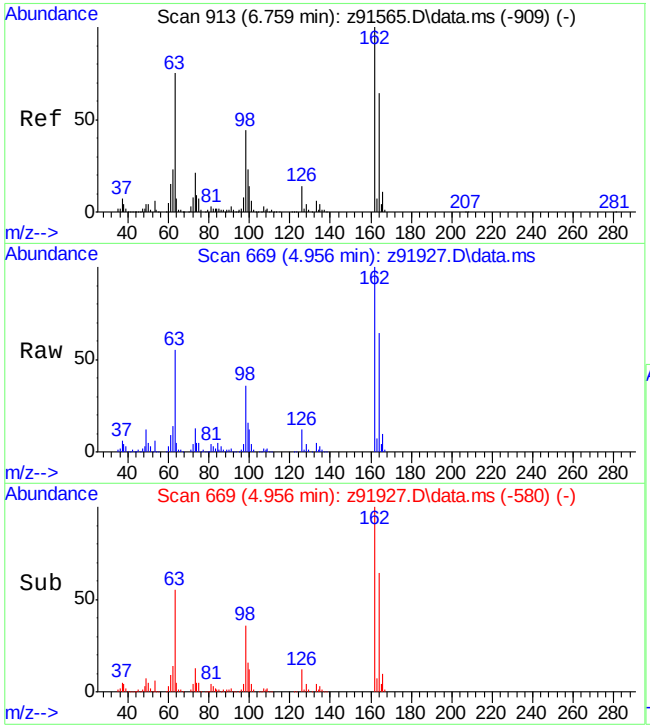


#32
bis(2-Chloroethoxy)methane
Concen: 51.41 ppb
RT: 4.838 min Scan# 647
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 93 Resp: 554746

Ion	Ratio	Lower	Upper
93	100		
95	31.7	2.1	62.1
123	12.0	0.0	41.3

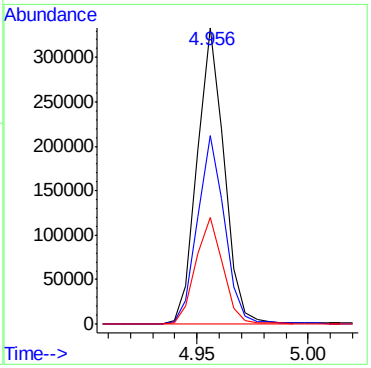


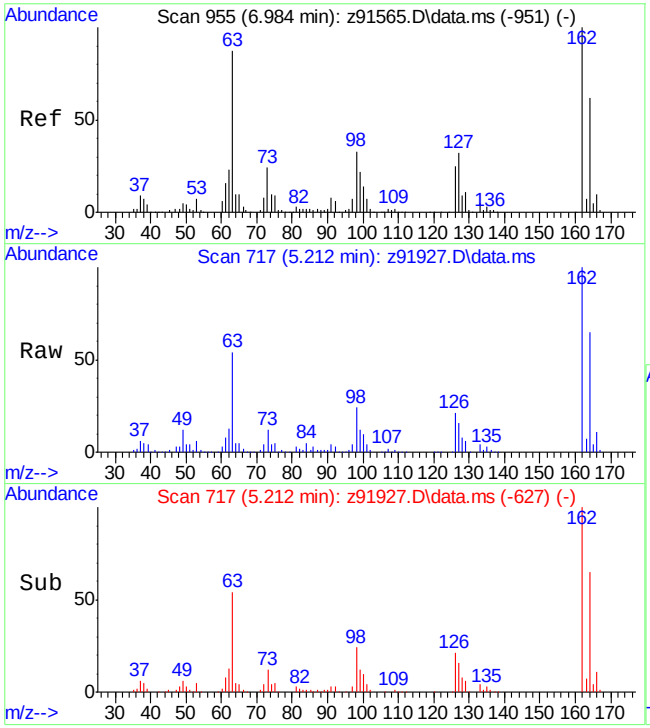


#33
2,4-Dichlorophenol
Concen: 36.80 ppb
RT: 4.956 min Scan# 669
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:162 Resp: 283162

Ion	Ratio	Lower	Upper
162	100		
164	63.6	33.9	93.9
98	36.2	7.5	67.5

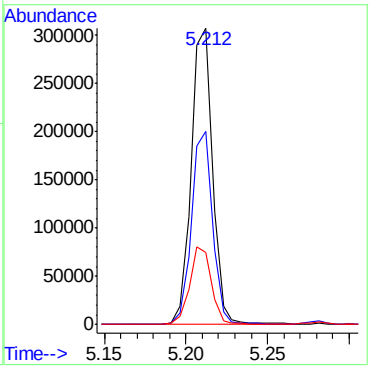


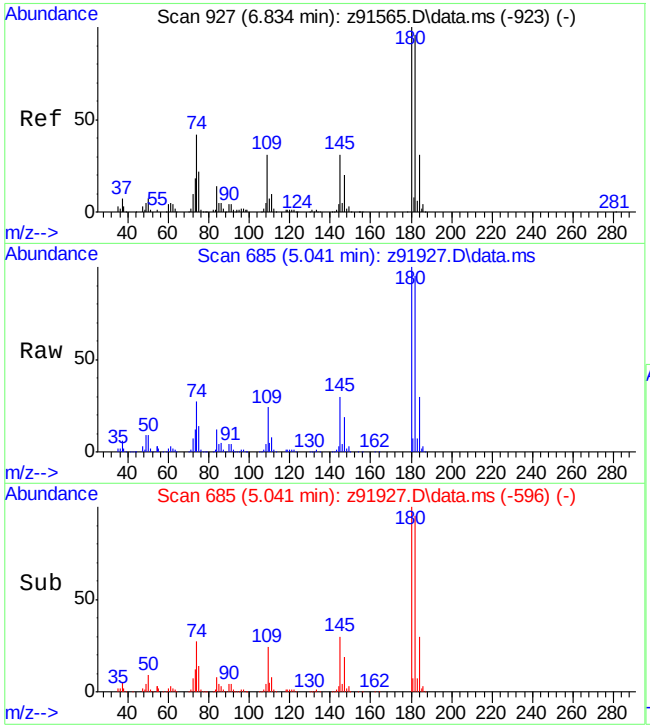


#34
2,6-Dichlorophenol
Concen: 37.31 ppb
RT: 5.212 min Scan# 717
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:162 Resp: 281507

Ion	Ratio	Lower	Upper
162	100		
164	64.5	34.1	94.1
98	26.3	0.0	56.7

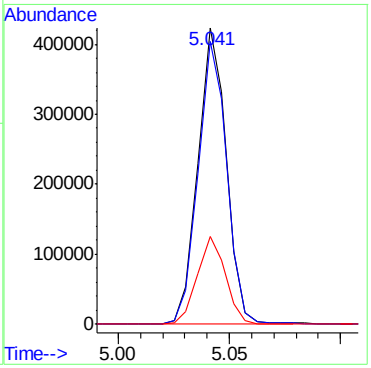


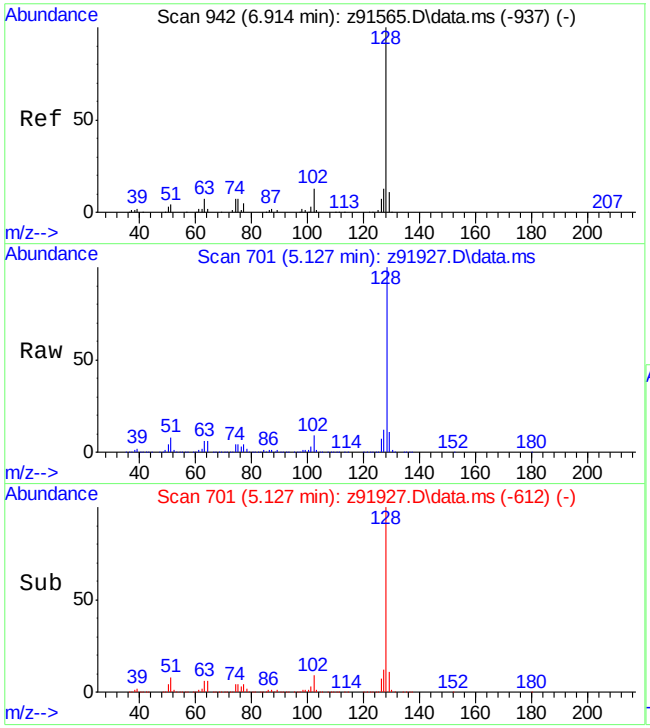


#36
1,2,4-Trichlorobenzene
Concen: 40.88 ppb
RT: 5.041 min Scan# 685
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:180 Resp: 374579

Ion	Ratio	Lower	Upper
180	100		
182	95.2	63.1	123.1
145	29.7	0.0	59.9

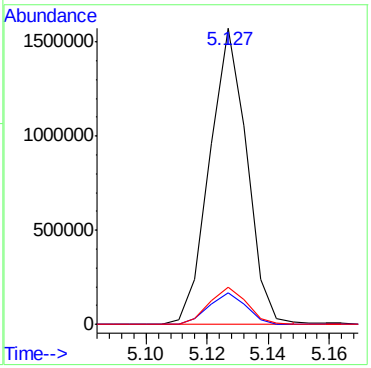


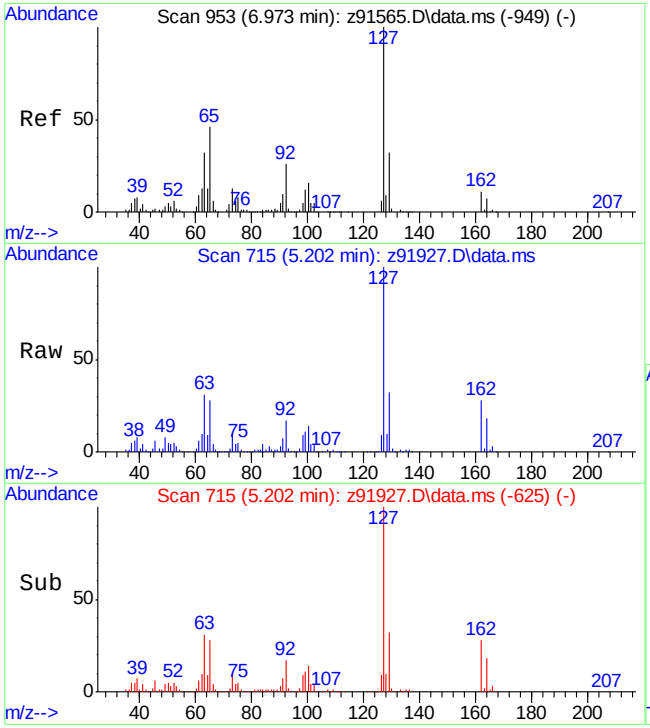


#38
Naphthalene
Concen: 42.95 ppb
RT: 5.127 min Scan# 701
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:128 Resp: 1321271

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.5
127	12.5	0.0	42.7

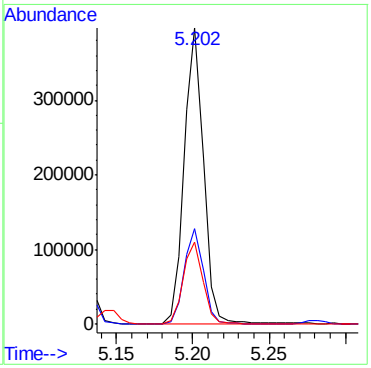


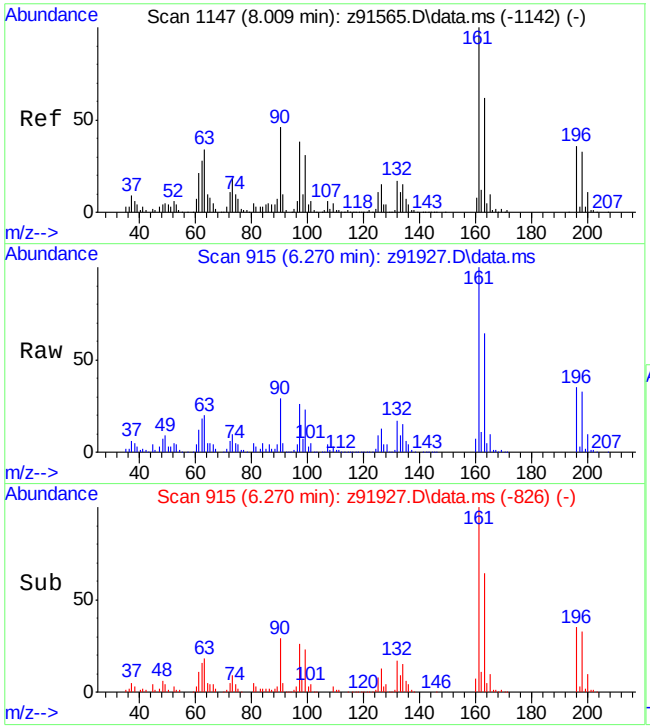


#39
4-Chloroaniline
Concen: 28.37 ppb
RT: 5.202 min Scan# 715
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:127 Resp: 344259

Ion	Ratio	Lower	Upper
127	100		
129	32.0	1.7	61.7
65	27.8	0.0	56.9

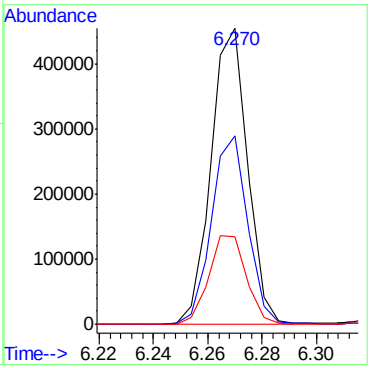


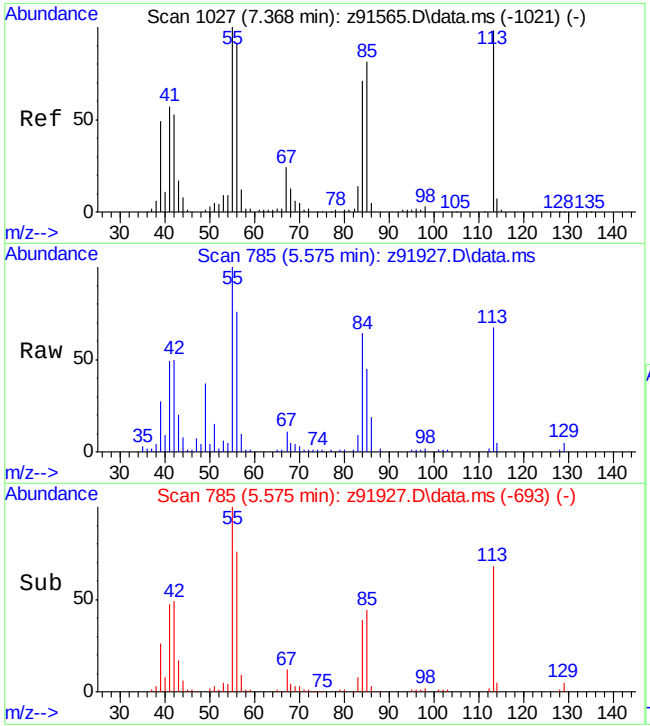


#40
2,3-Dichloroaniline
Concen: 40.27 ppb
RT: 6.270 min Scan# 915
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:161 Resp: 424117

Ion	Ratio	Lower	Upper
161	100		
163	63.6	32.9	92.9
90	29.4	0.0	59.9

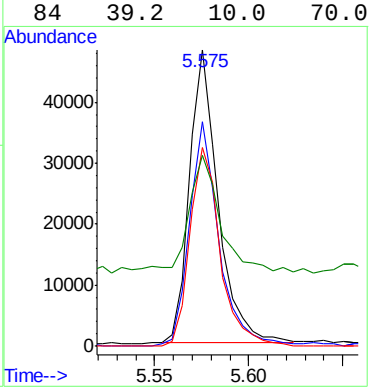


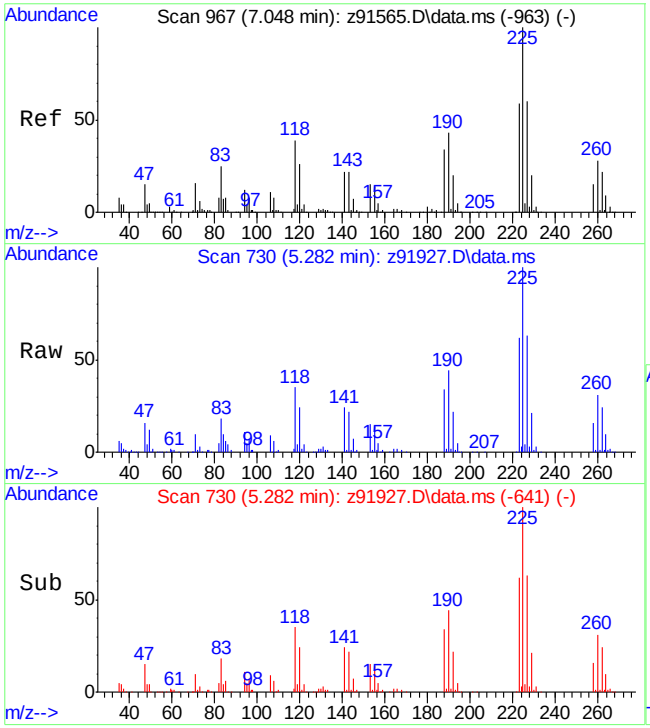


#41
Caprolactam
Concen: 9.82 ppb
RT: 5.575 min Scan# 785
Delta R.T. -0.011 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 55 Resp: 50342

Ion	Ratio	Lower	Upper
55	100		
56	76.2	41.8	101.8
113	68.2	37.3	97.3
84	39.2	10.0	70.0

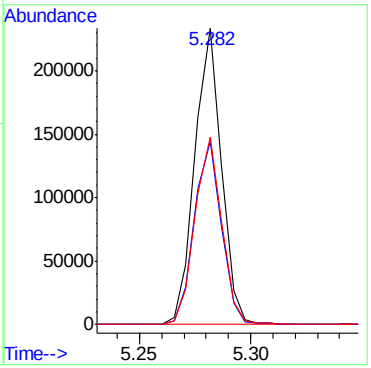


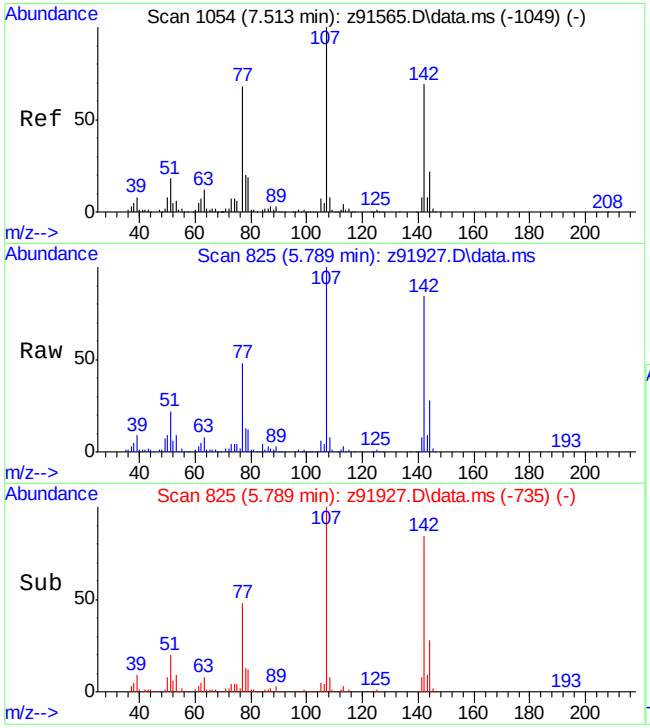


#42
Hexachlorobutadiene
Concen: 39.33 ppb
RT: 5.282 min Scan# 730
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:225 Resp: 194775

Ion	Ratio	Lower	Upper
225	100		
223	61.9	33.8	93.8
227	63.3	32.6	92.6

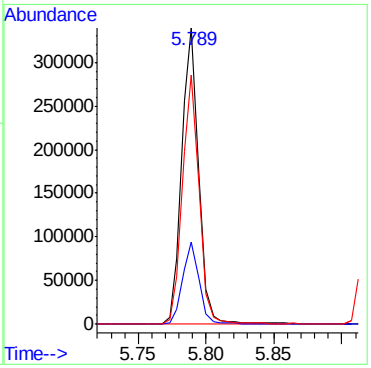


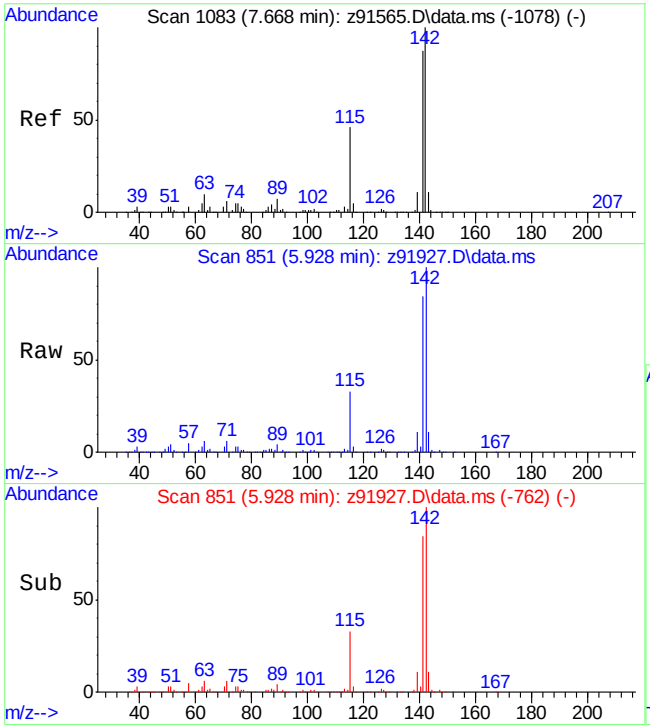


#43
4-Chloro-3-methylphenol
Concen: 35.57 ppb
RT: 5.789 min Scan# 825
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:107 Resp: 290812

Ion	Ratio	Lower	Upper
107	100		
144	27.6	0.0	56.5
142	84.0	53.7	113.7

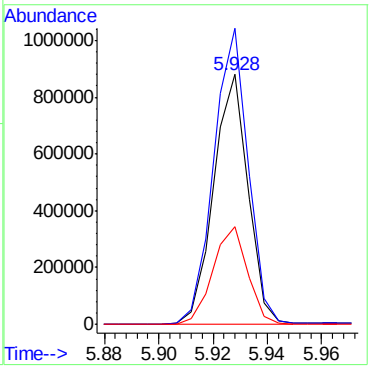


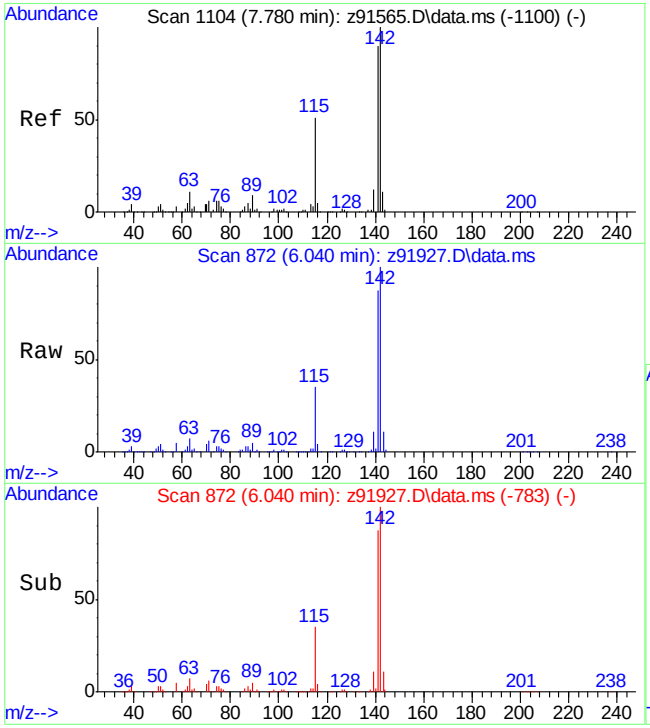


#44
2-Methylnaphthalene
Concen: 46.11 ppb
RT: 5.928 min Scan# 851
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:141 Resp: 770686

Ion	Ratio	Lower	Upper
141	100		
142	118.4	91.4	151.4
115	39.0	8.5	68.5

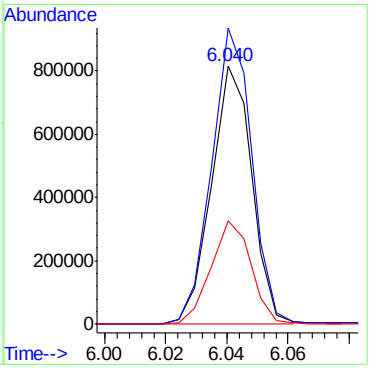


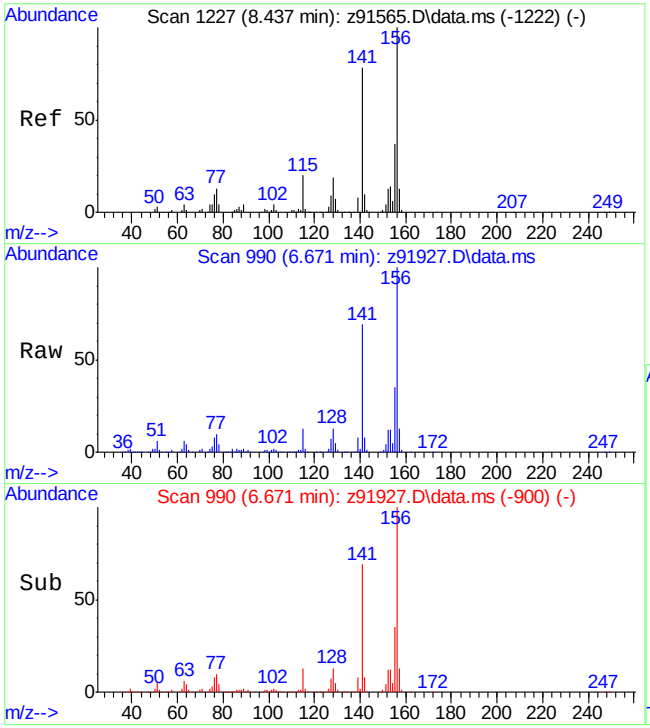


#45
1-Methylnaphthalene
Concen: 40.49 ppb
RT: 6.040 min Scan# 872
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:141 Resp: 745588

Ion	Ratio	Lower	Upper
141	100		
142	114.8	84.9	144.9
115	40.1	9.0	69.0

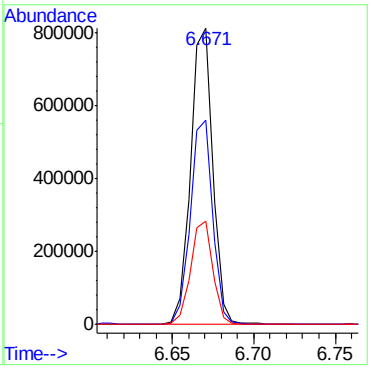


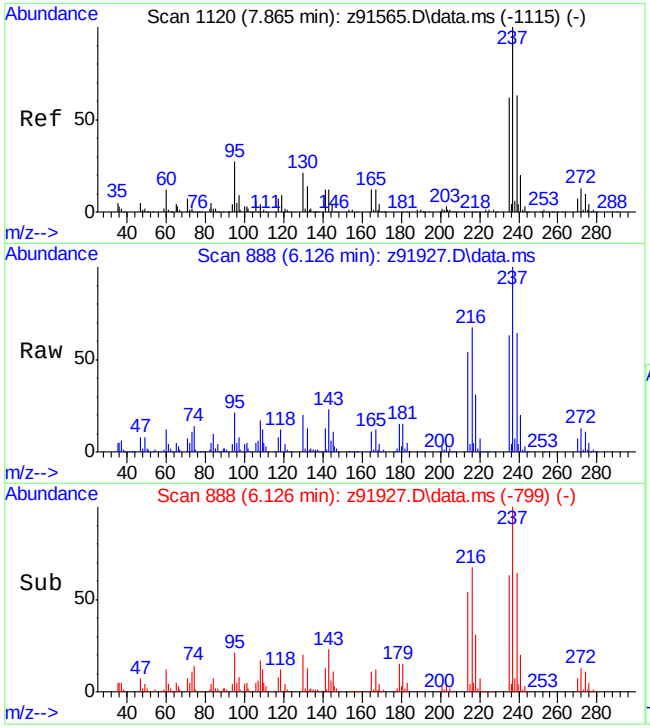


#46
Dimethylnaphthalene
Concen: 41.26 ppb
RT: 6.671 min Scan# 990
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:156 Resp: 769785

Ion	Ratio	Lower	Upper
156	100		
141	69.1	39.1	99.1
155	34.8	5.0	65.0

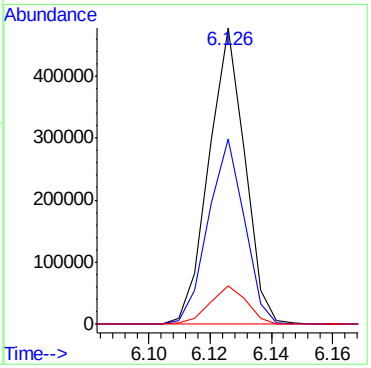


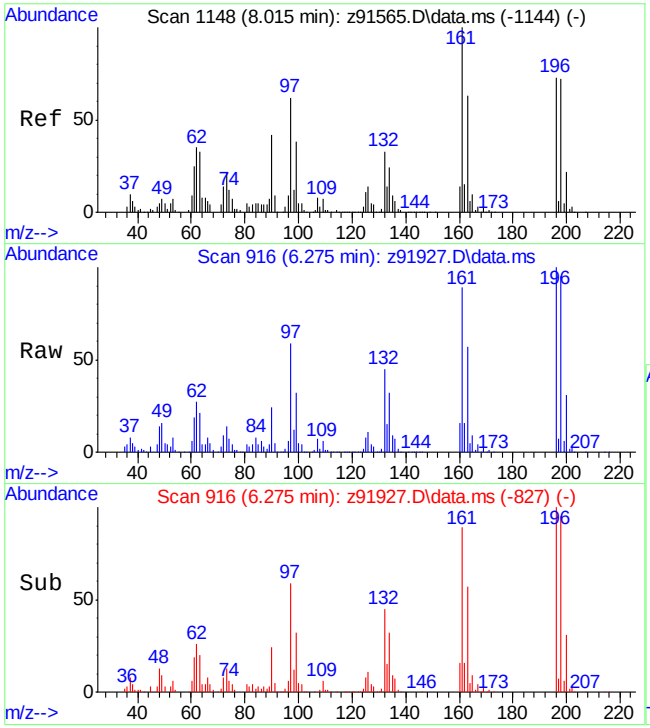


#48
Hexachlorocyclopentadiene
Concen: 80.33 ppb
RT: 6.126 min Scan# 888
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:237 Resp: 386430

Ion	Ratio	Lower	Upper
237	100		
235	62.7	33.9	93.9
272	13.1	0.0	43.3

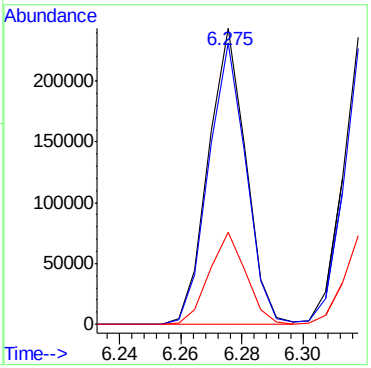


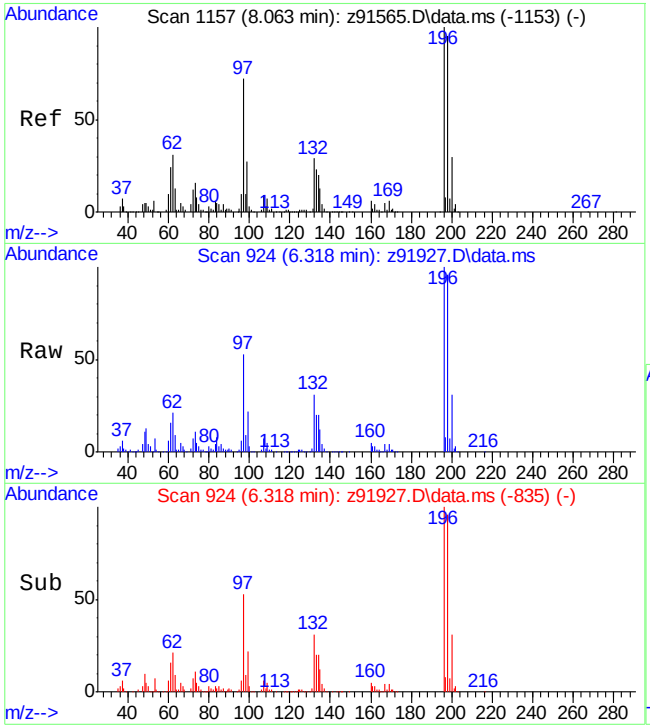


#49
2,4,6-Trichlorophenol
Concen: 39.24 ppb
RT: 6.275 min Scan# 916
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:196 Resp: 207200

Ion	Ratio	Lower	Upper
196	100		
198	95.0	63.0	123.0
200	31.3	0.0	59.7

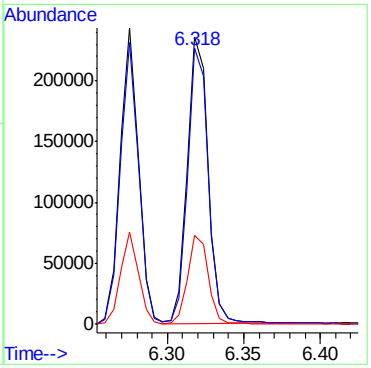


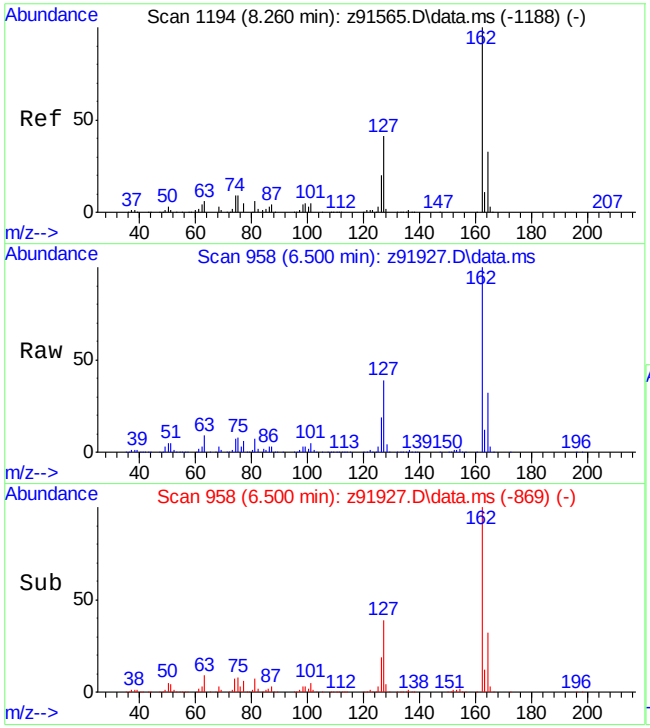


#50
2,4,5-Trichlorophenol
Concen: 39.77 ppb
RT: 6.318 min Scan# 924
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:196 Resp: 222795

Ion	Ratio	Lower	Upper
196	100		
198	96.3	63.9	123.9
200	31.0	0.0	59.8

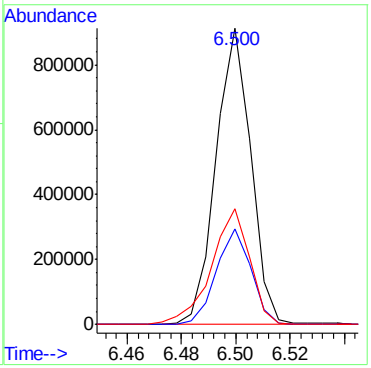


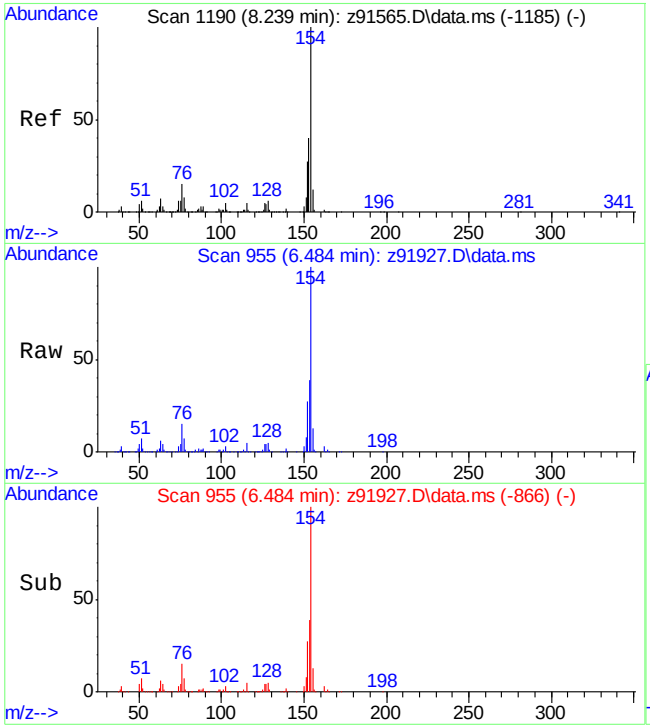


#52
2-Chloronaphthalene
Concen: 44.84 ppb
RT: 6.500 min Scan# 958
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:162 Resp: 811771

Ion	Ratio	Lower	Upper
162	100		
164	32.4	1.5	61.5
127	38.8	8.5	68.5

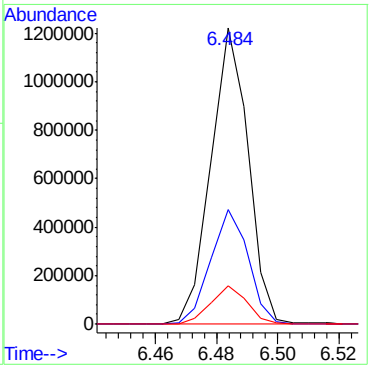


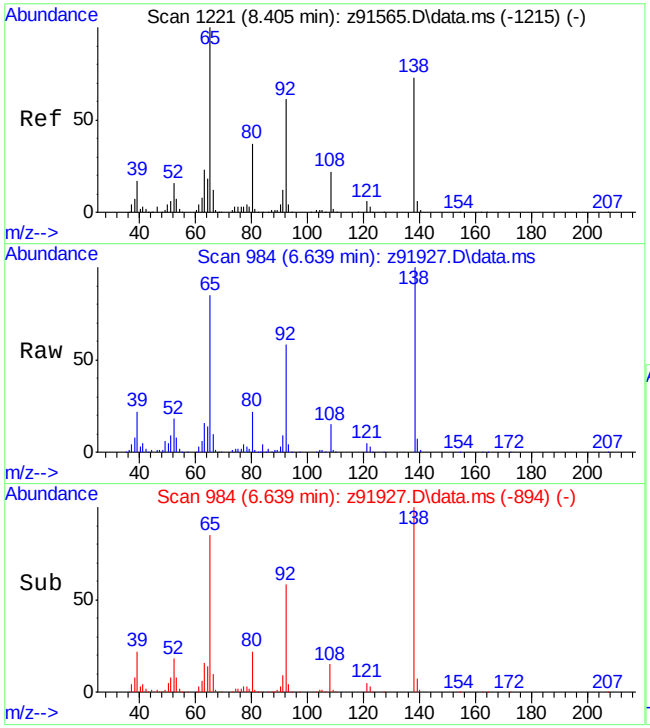


#53
Biphenyl
Concen: 40.12 ppb
RT: 6.484 min Scan# 955
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:154 Resp: 1032543

Ion	Ratio	Lower	Upper
154	100		
153	38.8	9.3	69.3
155	12.9	0.0	42.4

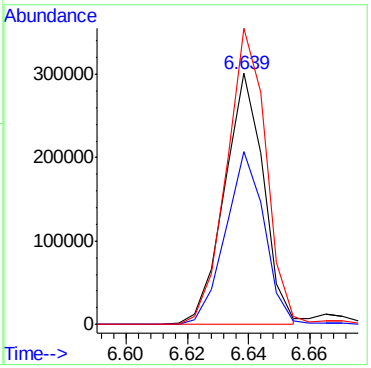


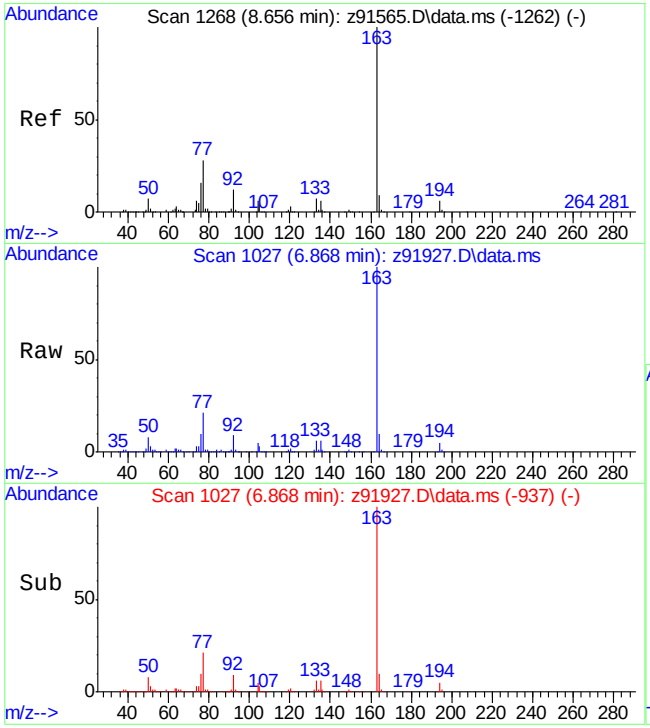


#54
2-Nitroaniline
Concen: 53.48 ppb
RT: 6.639 min Scan# 984
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 65 Resp: 265474

Ion	Ratio	Lower	Upper
65	100		
92	69.0	39.9	99.9
138	117.9	95.2	155.2

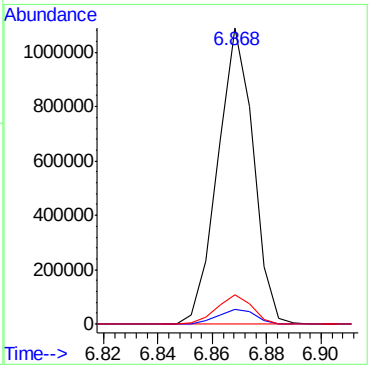


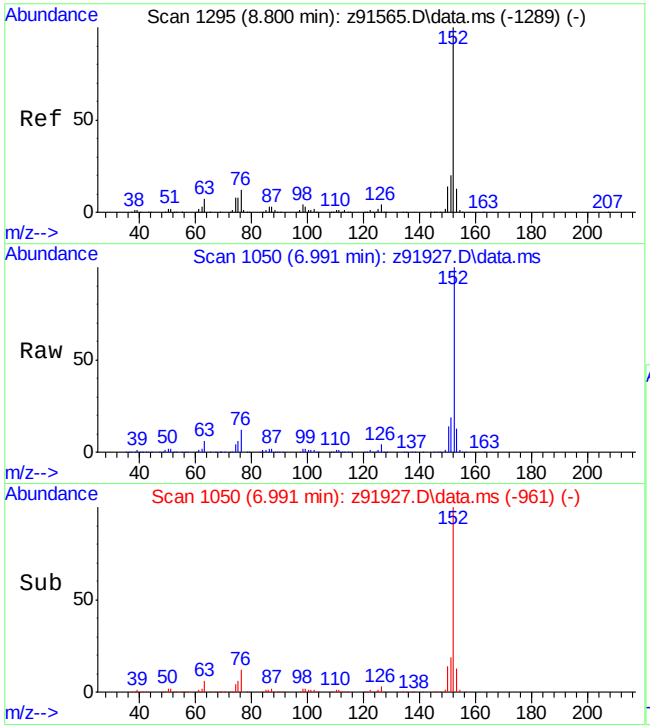


#55
Dimethylphthalate
Concen: 51.01 ppb
RT: 6.868 min Scan# 1027
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:163 Resp: 986002

Ion	Ratio	Lower	Upper
163	100		
194	5.2	0.0	35.2
164	10.0	0.0	40.2

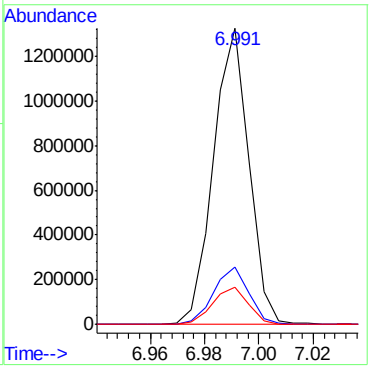


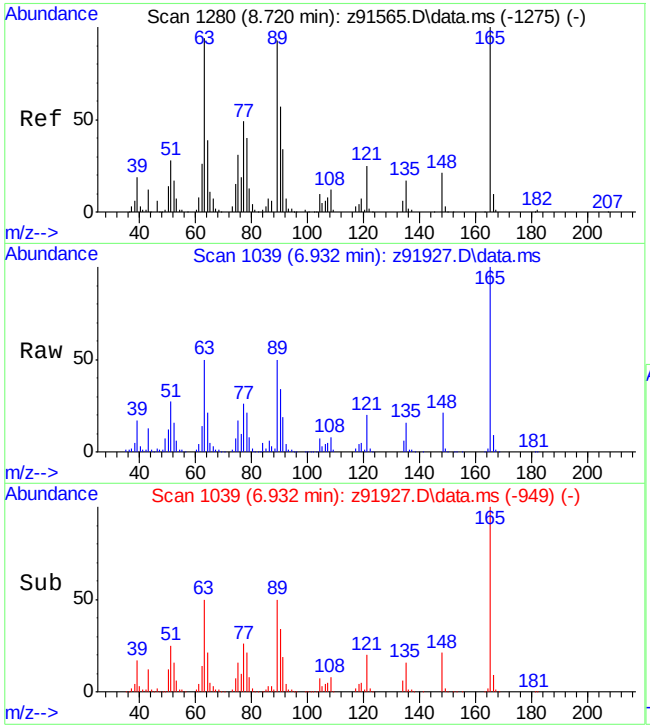


#56
Acenaphthylene
Concen: 42.02 ppb
RT: 6.991 min Scan# 1050
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:152 Resp: 1195039

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	49.0
153	12.7	0.0	42.7

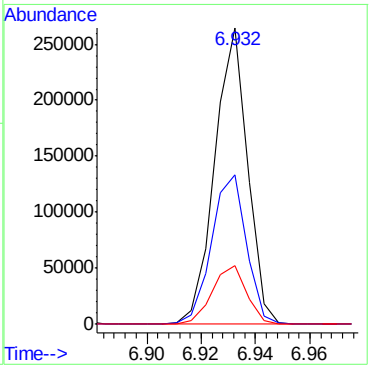


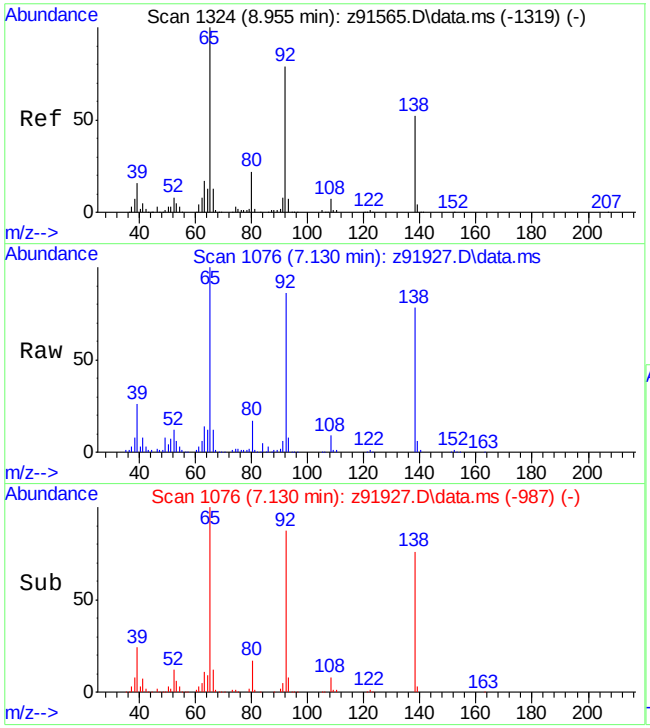


#57
2,6-Dinitrotoluene
Concen: 55.73 ppb
RT: 6.932 min Scan# 1039
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:165 Resp: 220782

Ion	Ratio	Lower	Upper
165	100		
89	50.2	24.1	84.1
121	19.9	0.0	50.1

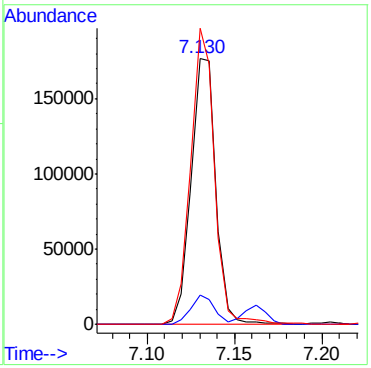


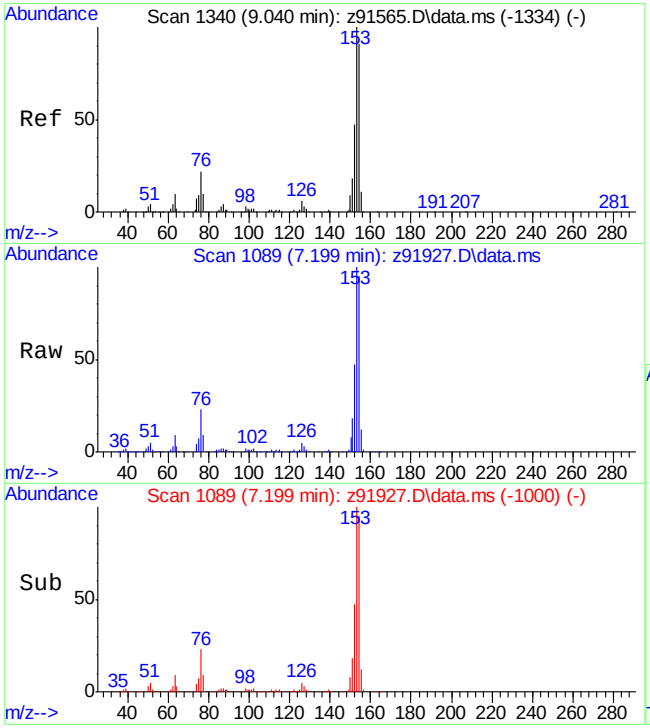


#58
3-Nitroaniline
Concen: 34.68 ppb
RT: 7.130 min Scan# 1076
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:138 Resp: 173614

Ion	Ratio	Lower	Upper
138	100		
108	11.1	0.0	38.7
92	111.1	69.9	129.9

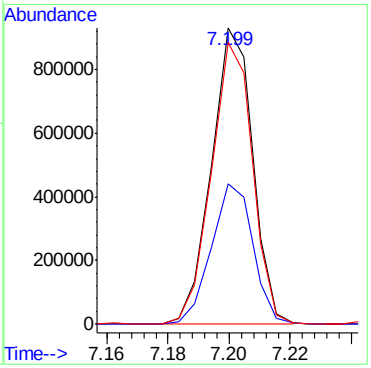


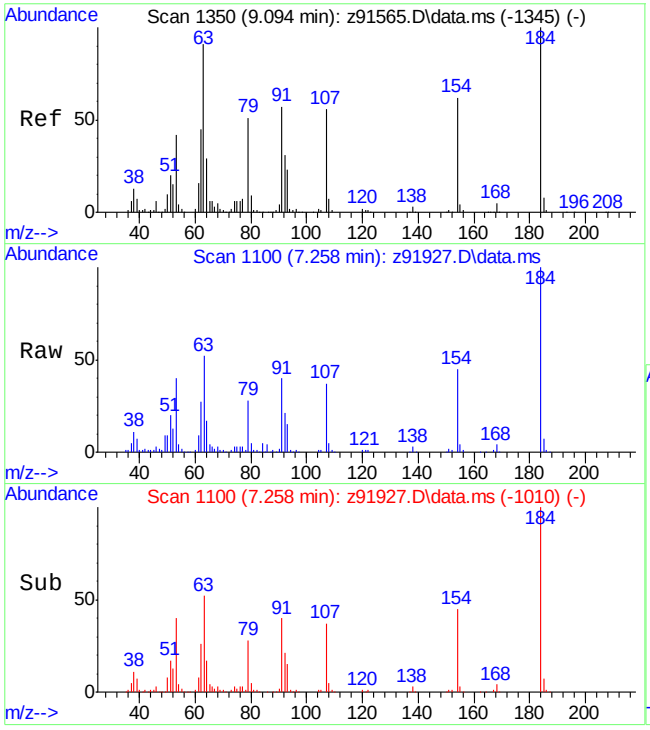


#59
Acenaphthene
Concen: 48.34 ppb
RT: 7.199 min Scan# 1089
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:153 Resp: 869748

Ion	Ratio	Lower	Upper
153	100		
152	47.3	17.4	77.4
154	95.2	65.9	125.9

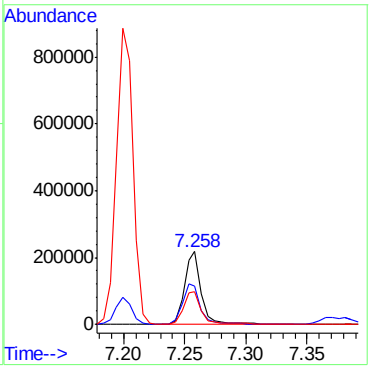


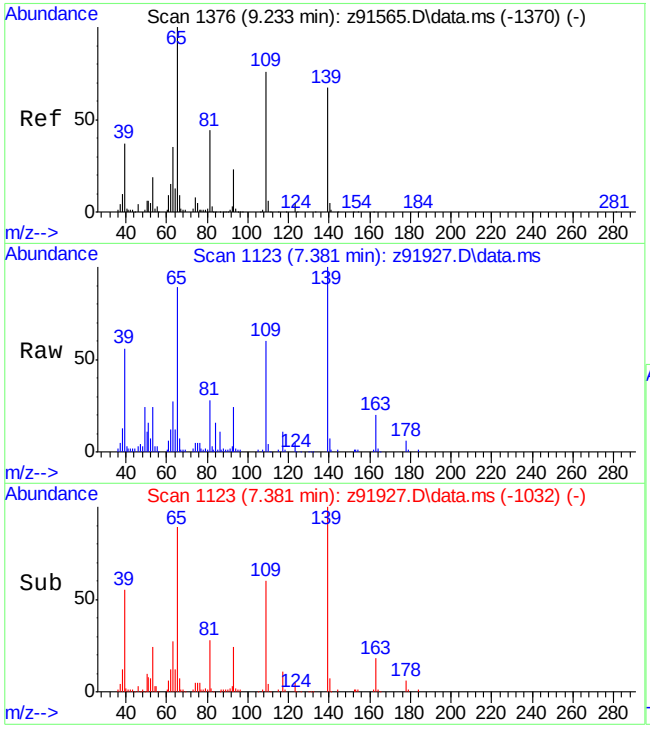


#60
2,4-Dinitrophenol
Concen: 80.19 ppb
RT: 7.258 min Scan# 1100
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:184 Resp: 209859

Ion	Ratio	Lower	Upper
184	100		
63	52.0	18.2	78.2
154	44.9	12.4	72.4

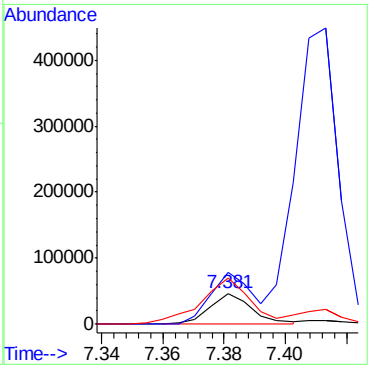


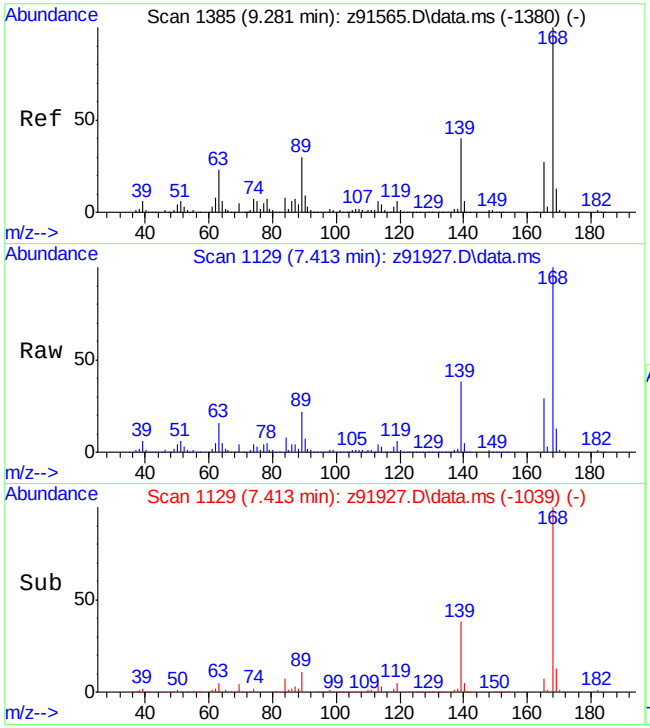


#61
4-Nitrophenol
Concen: 19.69 ppb
RT: 7.381 min Scan# 1123
Delta R.T. -0.016 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:109 Resp: 44611

Ion	Ratio	Lower	Upper
109	100		
139	0.0	60.2	120.2#
65	134.3	123.7	183.7

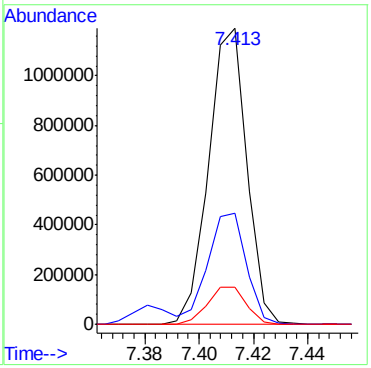


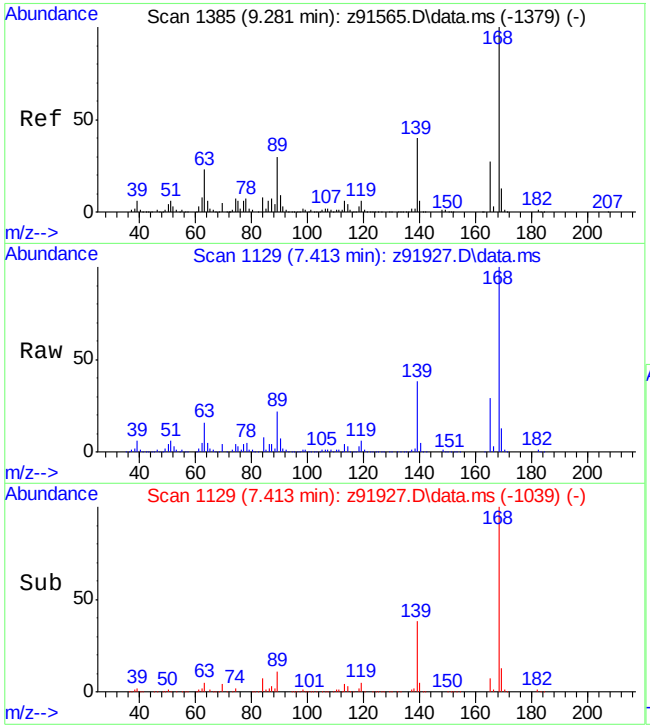


#62
Dibenzofuran
Concen: 46.33 ppb
RT: 7.413 min Scan# 1129
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:168 Resp: 1156376

Ion	Ratio	Lower	Upper
168	100		
139	35.1	0.0	56.5
169	12.7	0.0	42.8

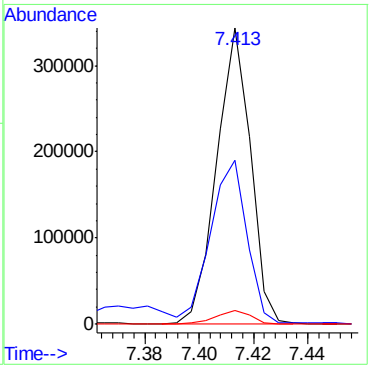


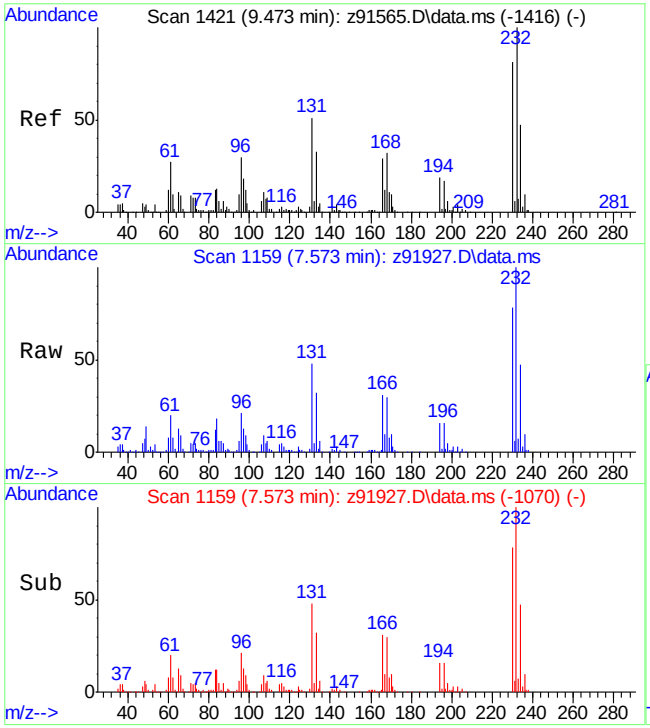


#63
2,4-Dinitrotoluene
Concen: 54.94 ppb
RT: 7.413 min Scan# 1129
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:165 Resp: 297116

Ion	Ratio	Lower	Upper
165	100		
63	53.0	1.3	61.3
182	4.6	0.0	34.7

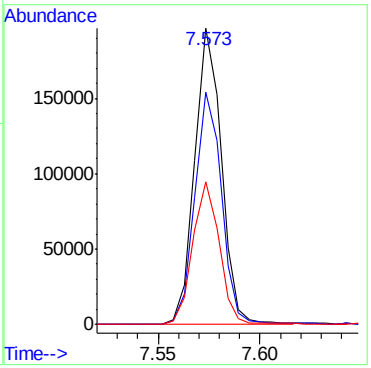


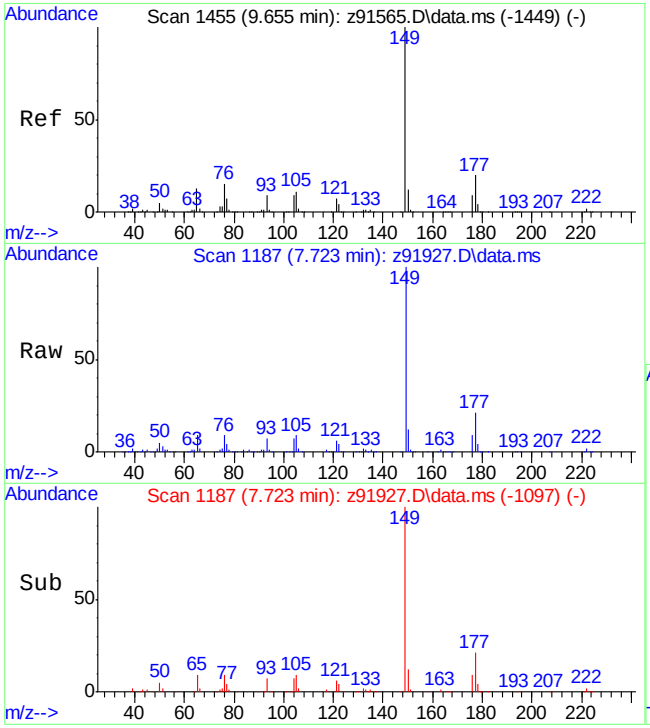


#64
2,3,4,6-Tetrachlorophenol
Concen: 39.29 ppb
RT: 7.573 min Scan# 1159
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:232 Resp: 178172

Ion	Ratio	Lower	Upper
232	100		
230	78.3	48.9	108.9
131	48.0	17.4	77.4

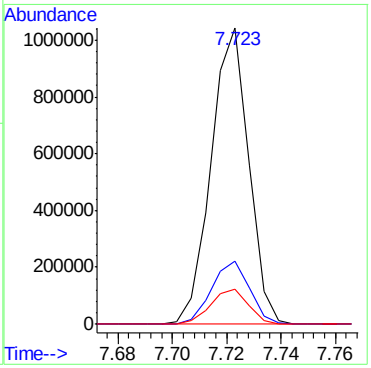


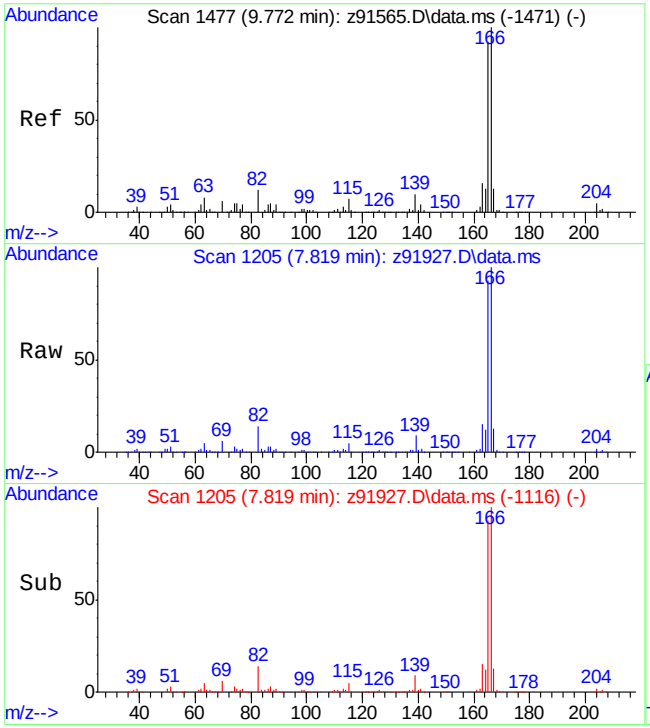


#65
Diethylphthalate
Concen: 52.91 ppb
RT: 7.723 min Scan# 1187
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:149 Resp: 995622

Ion	Ratio	Lower	Upper
149	100		
177	21.3	0.0	51.1
150	11.9	0.0	41.7

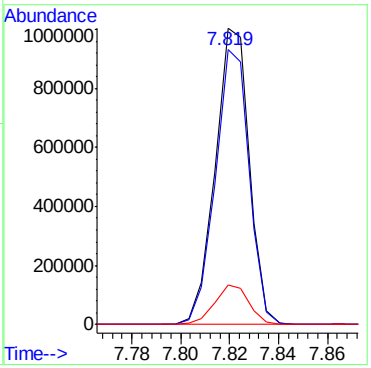


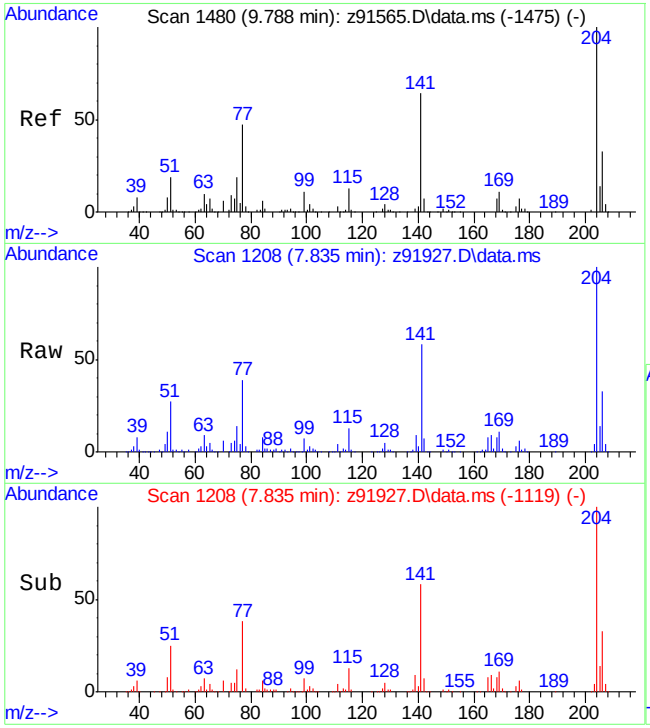


#66
Fluorene
Concen: 50.01 ppb
RT: 7.819 min Scan# 1205
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:166 Resp: 976299

Ion	Ratio	Lower	Upper
166	100		
165	92.7	60.3	120.3
167	13.4	0.0	42.9

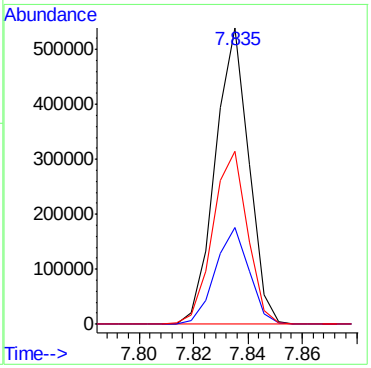


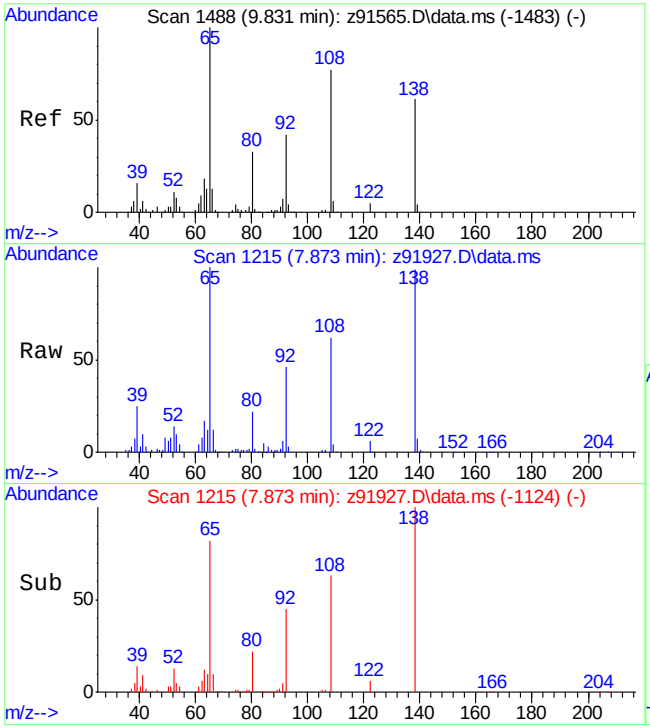


#67
4-Chlorophenyl-phenylether
Concen: 50.45 ppb
RT: 7.835 min Scan# 1208
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:204 Resp: 460862

Ion	Ratio	Lower	Upper
204	100		
206	32.6	2.1	62.1
141	58.4	25.2	85.2

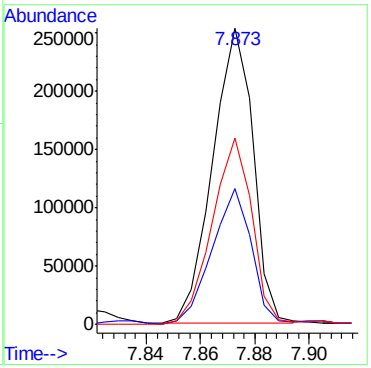


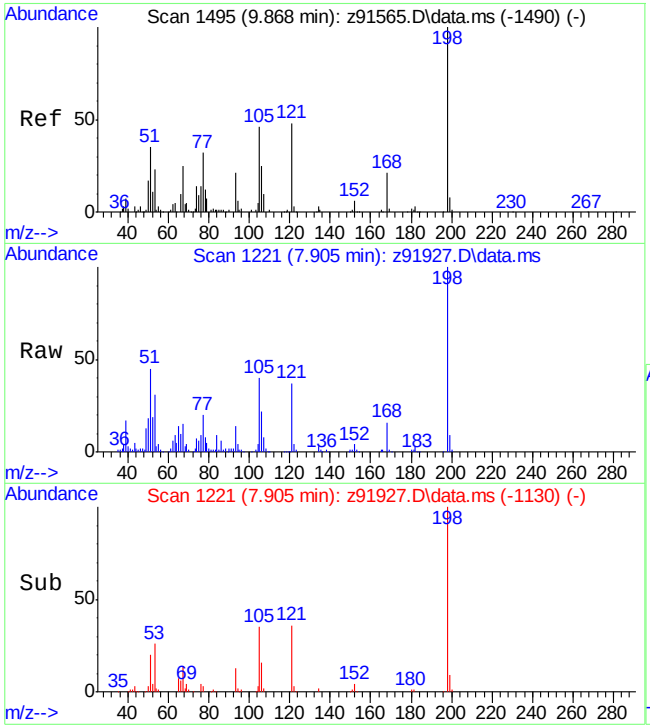


#68
4-Nitroaniline
Concen: 52.08 ppb
RT: 7.873 min Scan# 1215
Delta R.T. -0.016 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:138 Resp: 261348

Ion	Ratio	Lower	Upper
138	100		
92	45.8	12.9	72.9
108	62.8	26.4	86.4

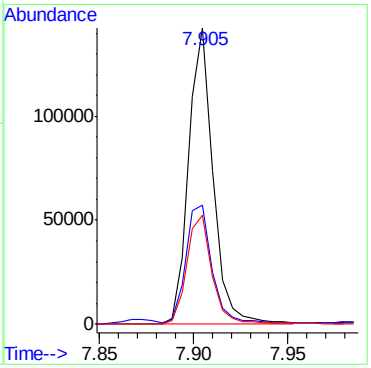


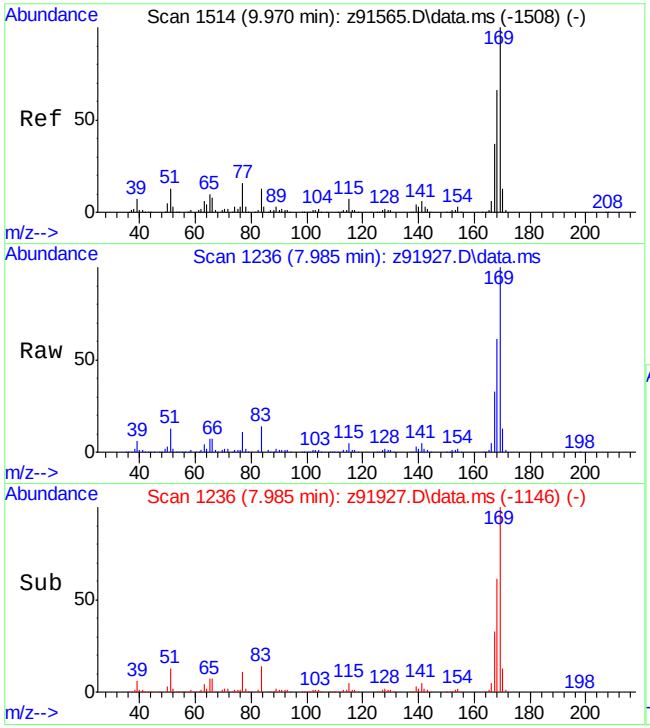


#70
4,6-Dinitro-2-methylphenol
Concen: 39.39 ppb
RT: 7.905 min Scan# 1221
Delta R.T. -0.015 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:198 Resp: 128615

Ion	Ratio	Lower	Upper
198	100		
105	39.8	12.1	72.1
121	36.6	5.1	65.1

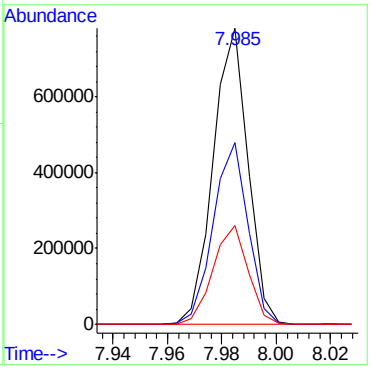


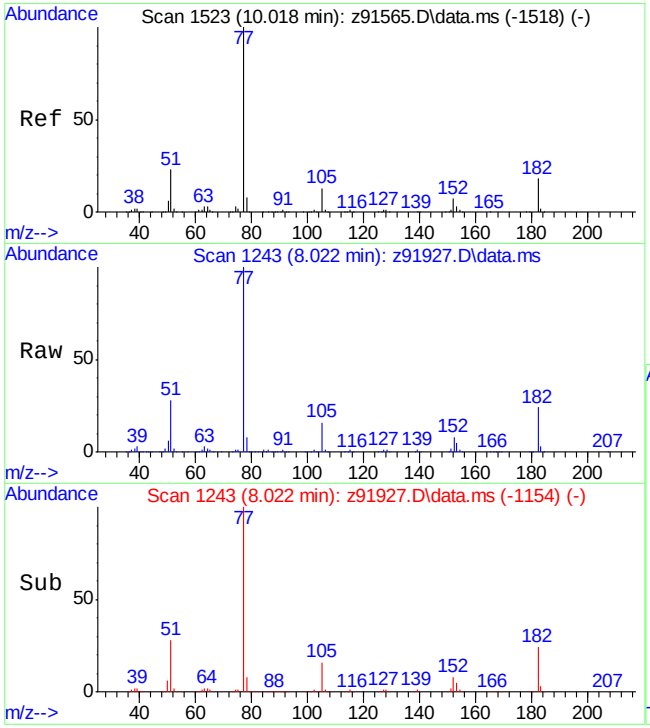


#71
n-Nitrosodiphenylamine
Concen: 53.82 ppb
RT: 7.985 min Scan# 1236
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:169 Resp: 693562

Ion	Ratio	Lower	Upper
169	100		
168	61.3	31.9	91.9
167	33.4	3.5	63.5

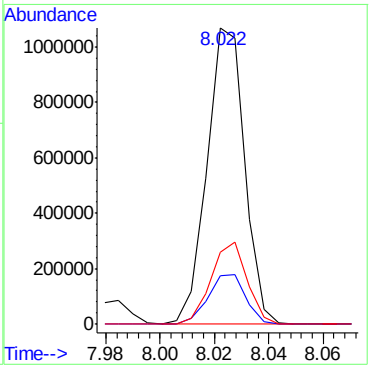


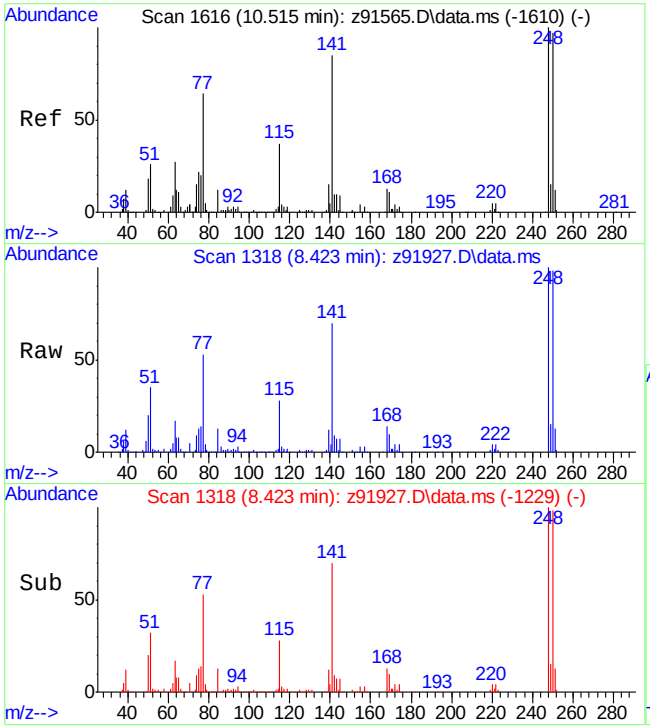


#72
1,2-Diphenylhydrazine
Concen: 50.94 ppb
RT: 8.022 min Scan# 1243
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 77 Resp: 1020830

Ion	Ratio	Lower	Upper
77	100		
105	16.1	0.0	47.1
182	24.1	0.0	58.4

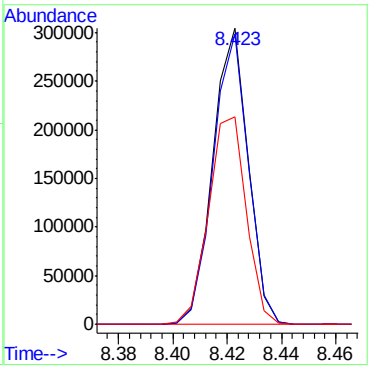


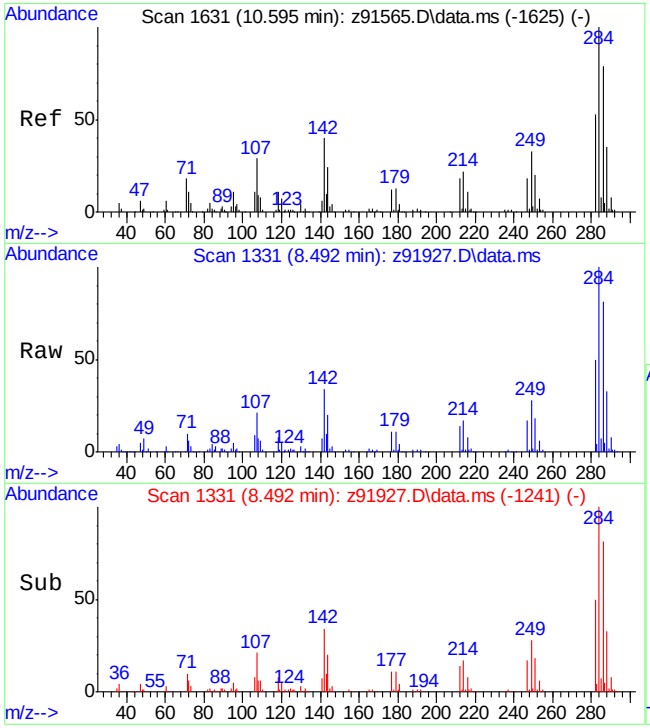


#74
4-Bromophenyl-phenylether
Concen: 52.63 ppb
RT: 8.423 min Scan# 1318
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:248 Resp: 274908

Ion	Ratio	Lower	Upper
248	100		
250	98.3	65.5	125.5
141	70.0	34.6	94.6

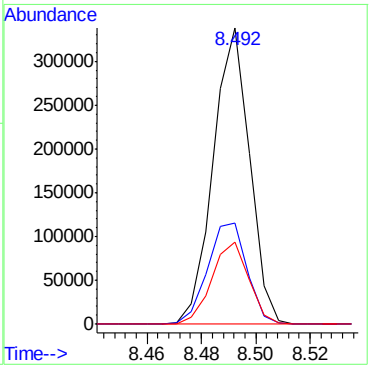


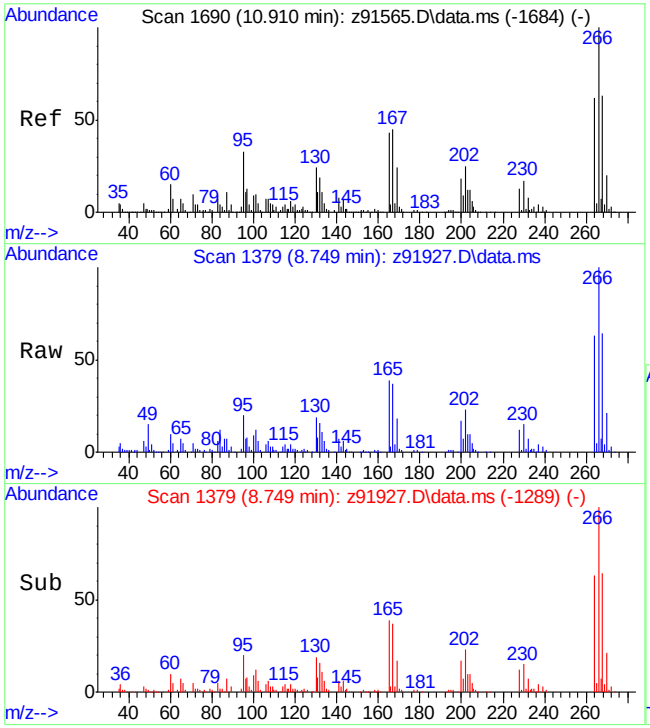


#75
Hexachlorobenzene
Concen: 50.42 ppb
RT: 8.492 min Scan# 1331
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:284 Resp: 314213

Ion	Ratio	Lower	Upper
284	100		
142	34.3	5.8	65.8
249	27.7	0.0	57.6

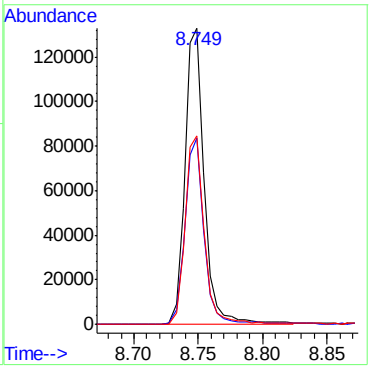


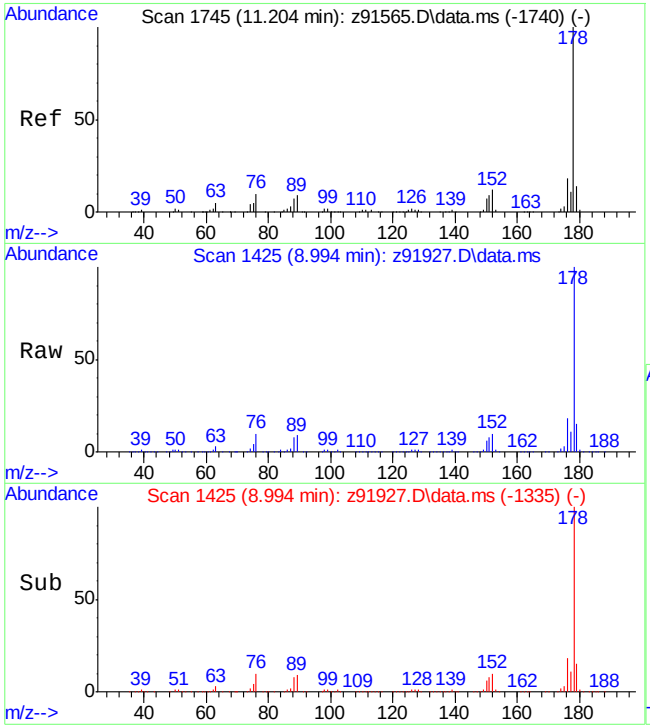


#76
Pentachlorophenol
Concen: 44.21 ppb
RT: 8.749 min Scan# 1379
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:266 Resp: 140091

Ion	Ratio	Lower	Upper
266	100		
264	62.7	33.3	93.3
268	63.8	33.0	93.0

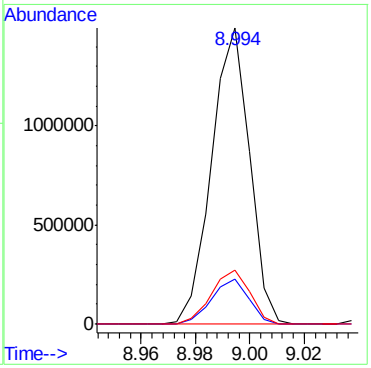


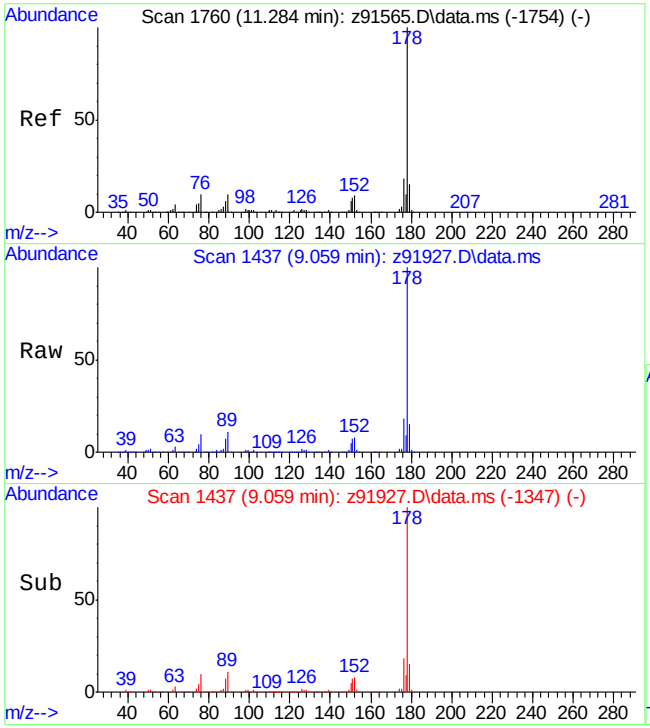


#77
Phenanthrene
Concen: 48.82 ppb
RT: 8.994 min Scan# 1425
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:178 Resp: 1444340

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.1
176	18.2	0.0	48.1

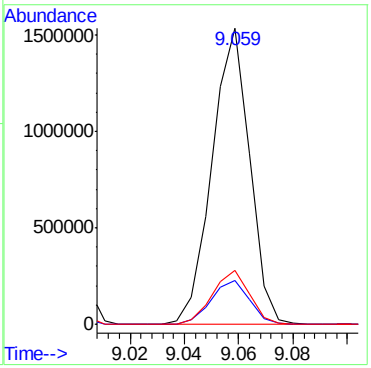


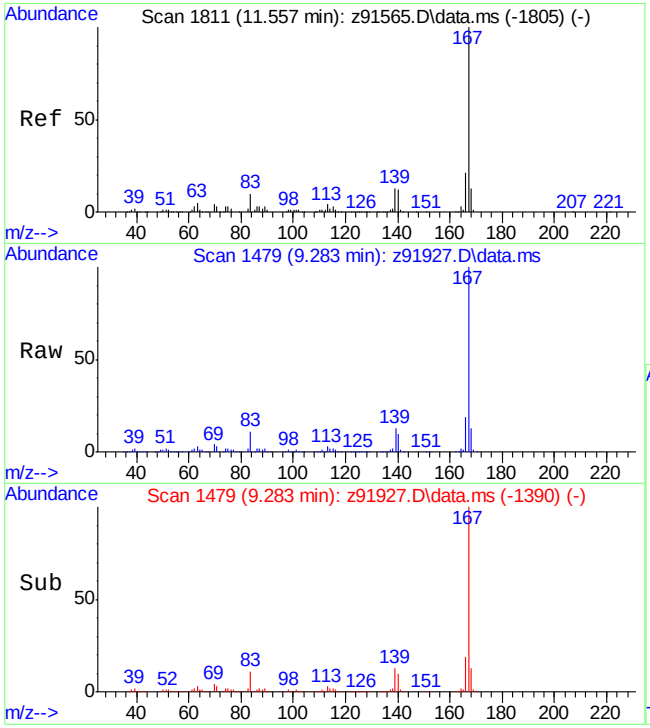


#78
Anthracene
Concen: 51.01 ppb
RT: 9.059 min Scan# 1437
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:178 Resp: 1462833

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.0
176	18.0	0.0	47.8

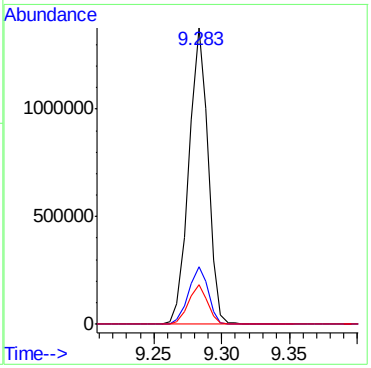


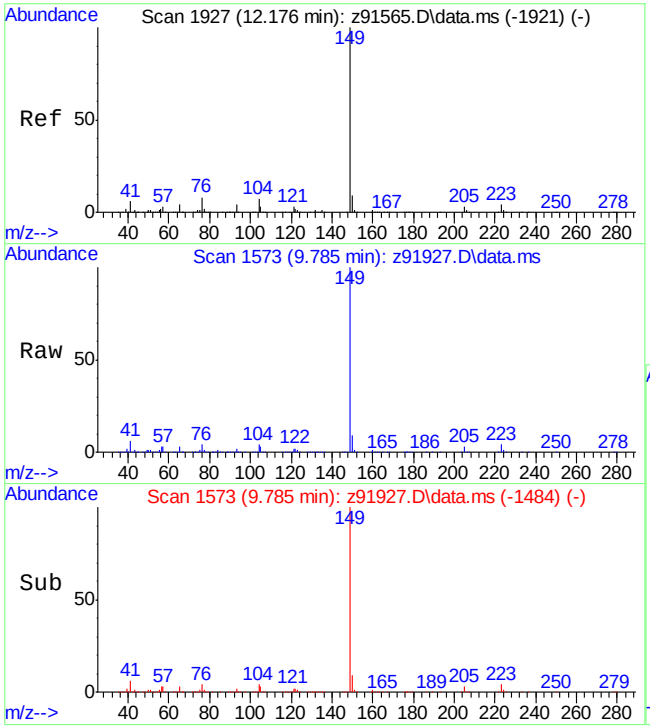


#79
Carbazole
Concen: 45.23 ppb
RT: 9.283 min Scan# 1479
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:167 Resp: 1343532

Ion	Ratio	Lower	Upper
167	100		
166	19.4	0.0	49.8
139	13.2	0.0	43.1

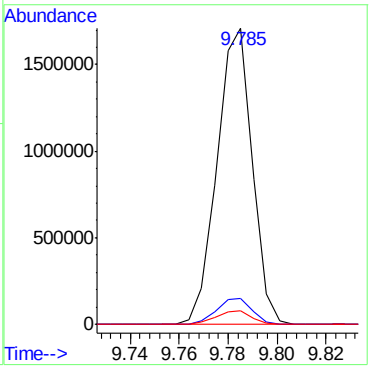


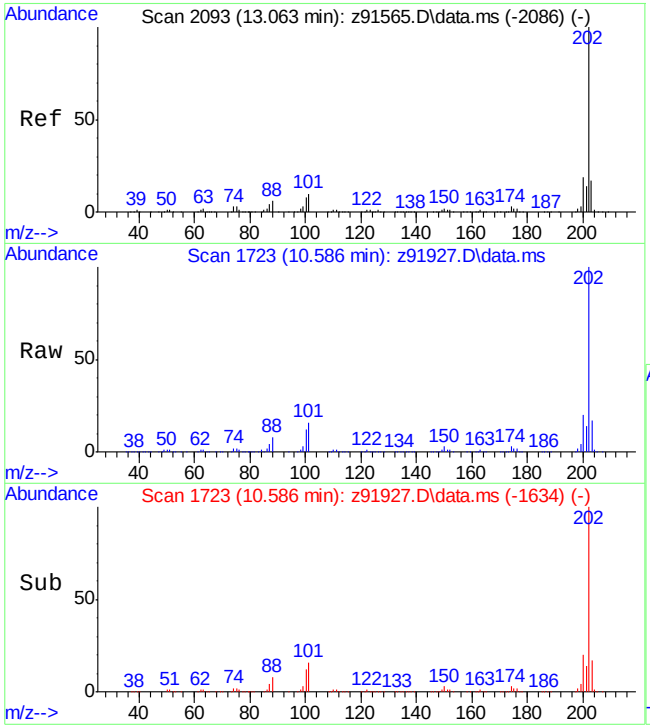


#80
Di-n-butylphthalate
Concen: 58.89 ppb
RT: 9.785 min Scan# 1573
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:149 Resp: 1718473

Ion	Ratio	Lower	Upper
149	100		
150	8.6	0.0	38.8
104	4.5	0.0	34.5

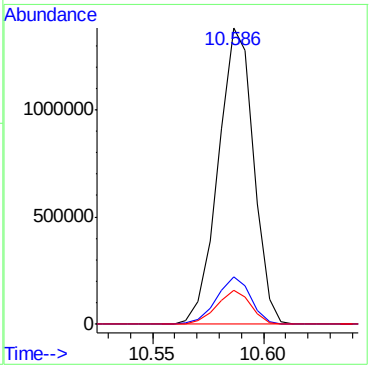


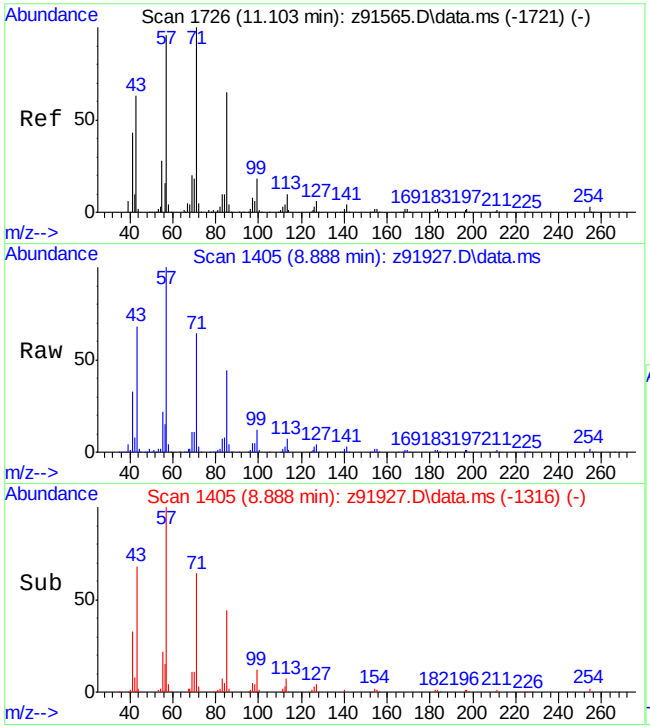


#81
Fluoranthene
Concen: 53.17 ppb
RT: 10.586 min Scan# 1723
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:202 Resp: 1531615

Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	47.1
100	11.5	0.0	42.5

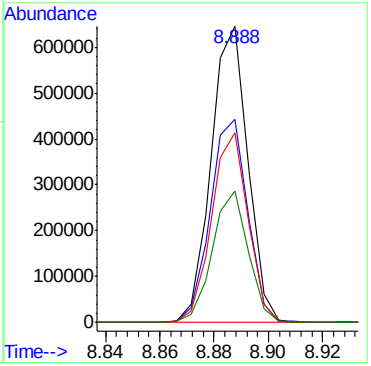


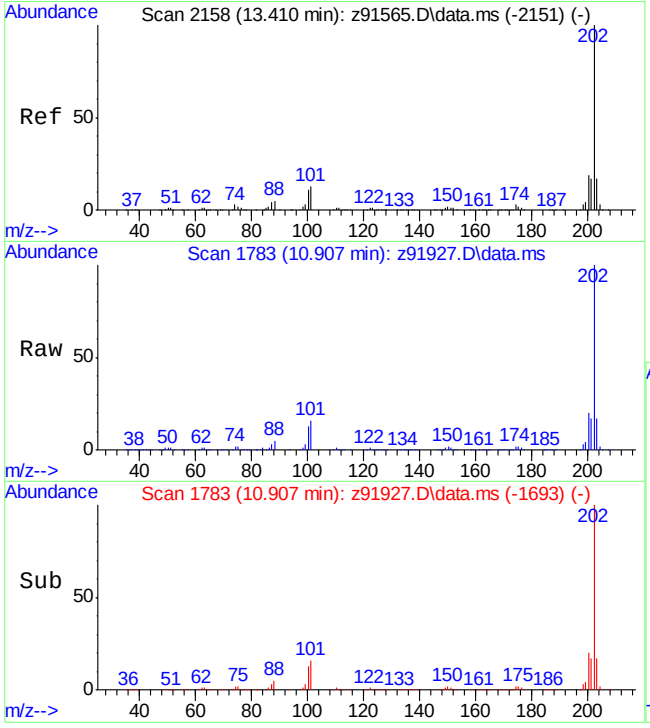


#82
Octadecane
Concen: 43.25 ppb
RT: 8.888 min Scan# 1405
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion: 57 Resp: 604186

Ion	Ratio	Lower	Upper
57	100		
43	68.3	36.3	96.3
71	64.0	36.7	96.7
85	44.1	16.1	76.1

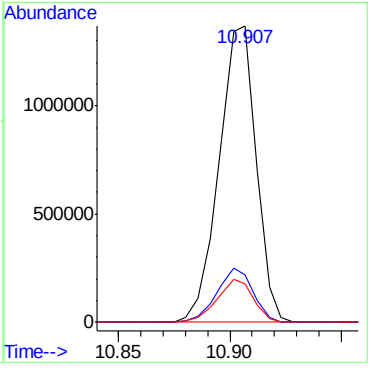


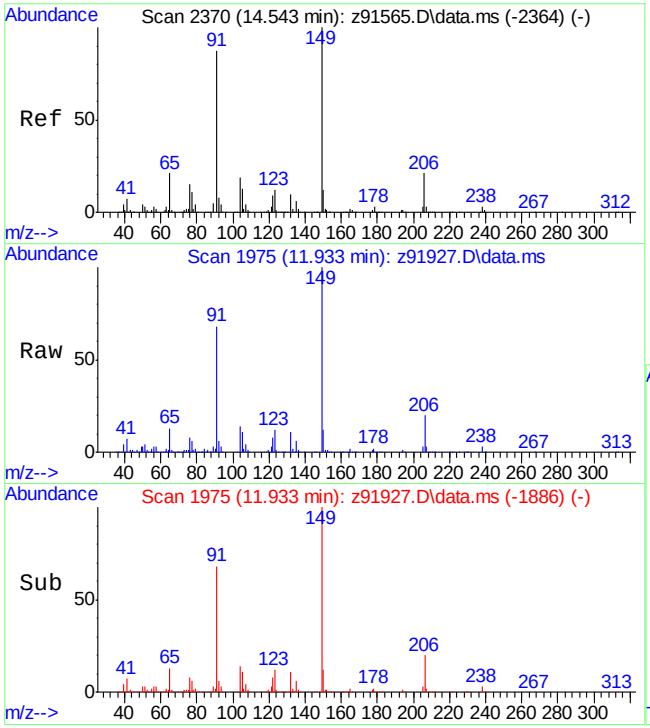


#84
Pyrene
Concen: 51.81 ppb
RT: 10.907 min Scan# 1783
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:202 Resp: 1588997

Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	48.4
100	12.9	0.0	44.6

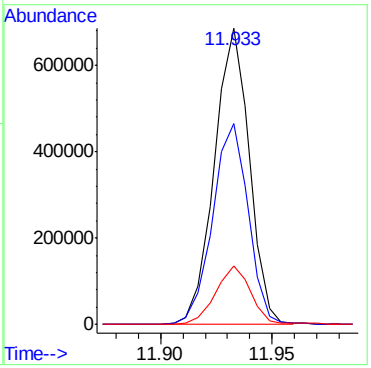


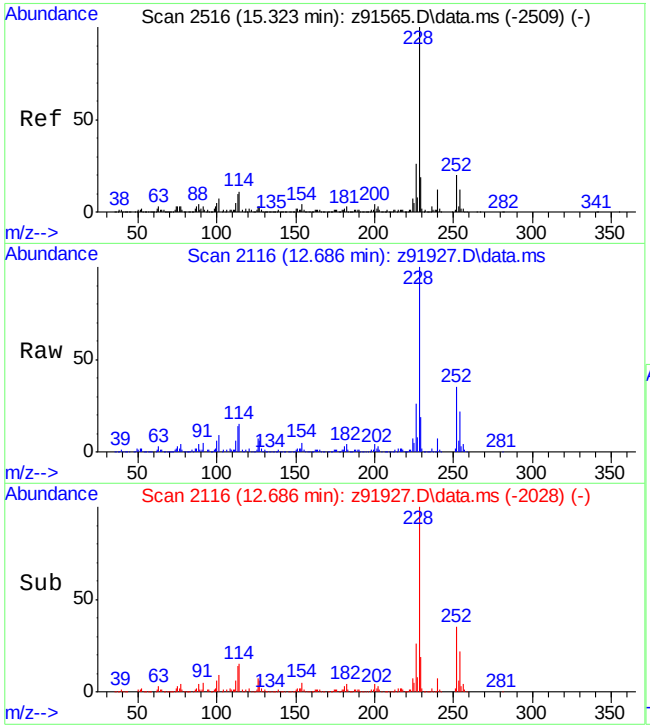


#87
Butylbenzylphthalate
Concen: 60.90 ppb
RT: 11.933 min Scan# 1975
Delta R.T. -0.026 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:149 Resp: 753269

Ion	Ratio	Lower	Upper
149	100		
91	67.9	38.7	98.7
206	19.6	0.0	49.5

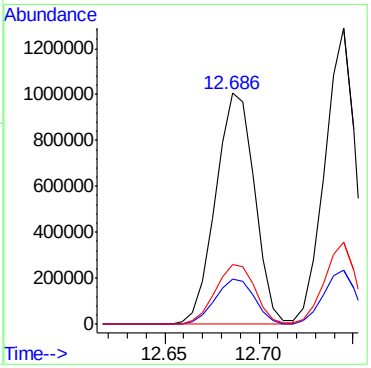


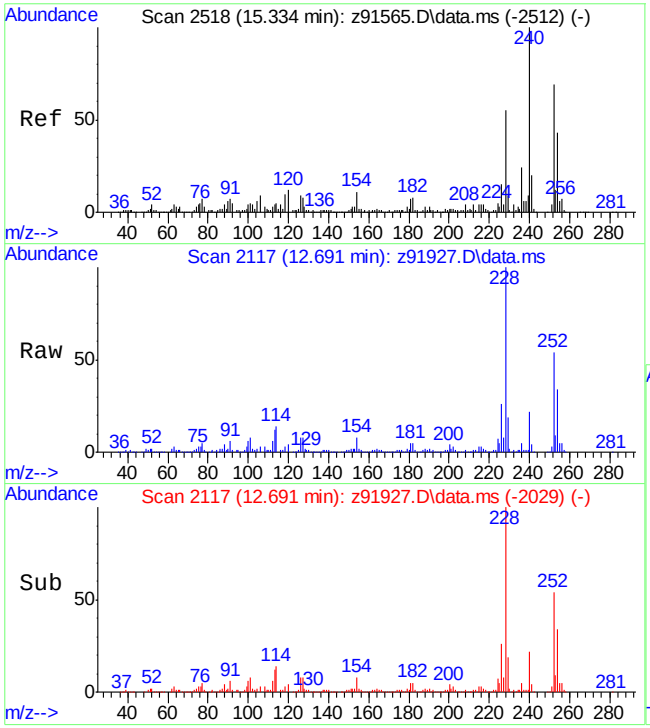


#88
Benzo[a]anthracene
Concen: 52.19 ppb
RT: 12.686 min Scan# 2116
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:228 Resp: 1443729

Ion	Ratio	Lower	Upper
228	100		
229	19.4	0.0	49.3
226	25.6	0.0	55.6

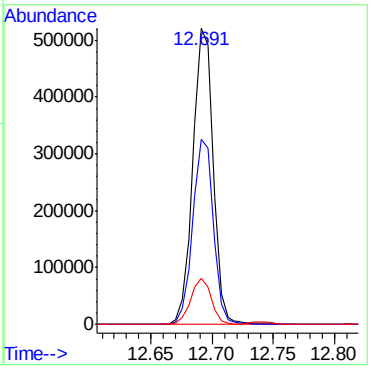


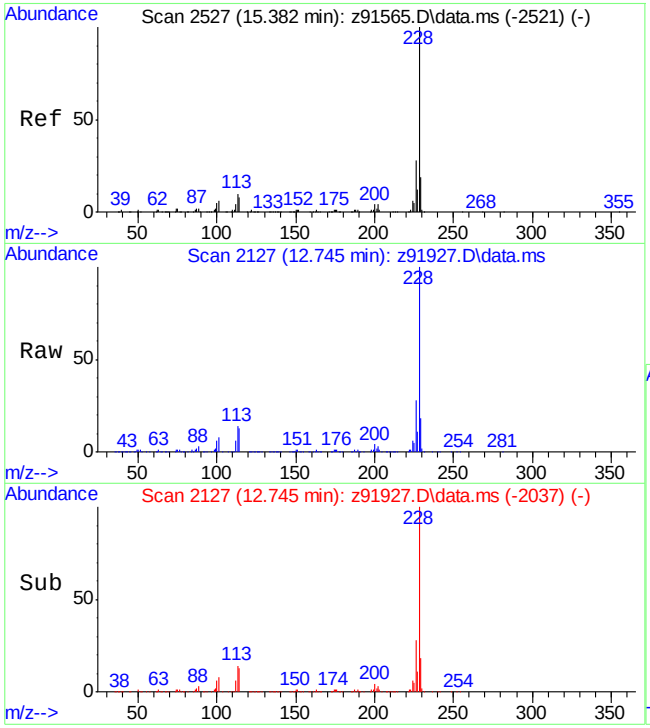


#89
3,3'-Dichlorobenzidine
Concen: 66.15 ppb
RT: 12.691 min Scan# 2117
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:252 Resp: 601638

Ion	Ratio	Lower	Upper
252	100		
254	62.5	33.8	93.8
126	15.7	0.0	46.0

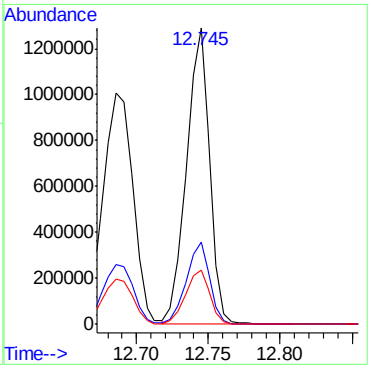


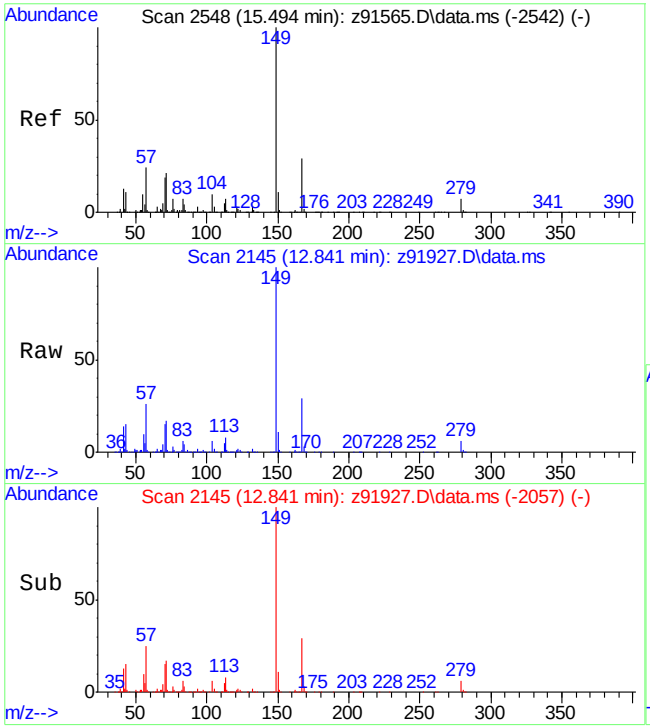


#90
Chrysene
Concen: 52.74 ppb
RT: 12.745 min Scan# 2127
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:228 Resp: 1448541

Ion	Ratio	Lower	Upper
228	100		
226	27.6	0.0	58.5
229	18.3	0.0	49.0

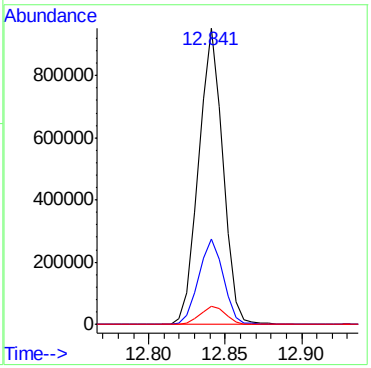


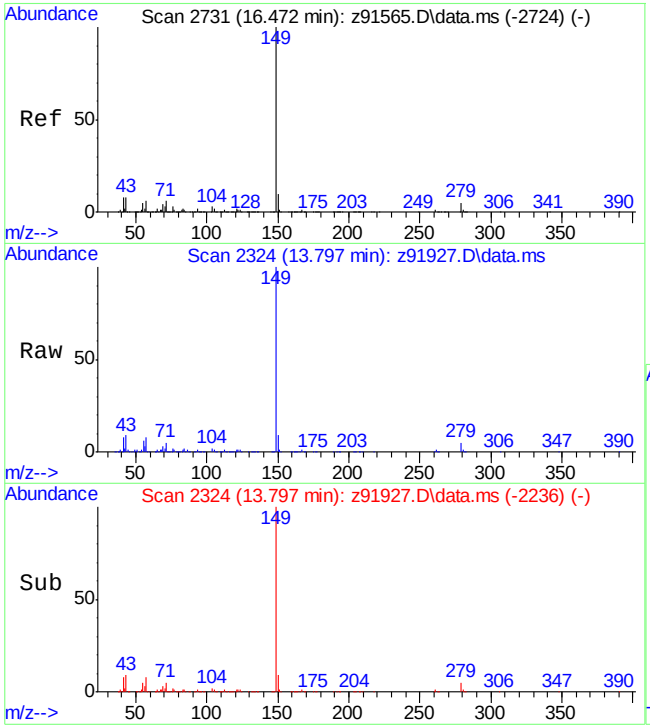


#91
bis(2-Ethylhexyl)phthalate
Concen: 62.12 ppb
RT: 12.841 min Scan# 2145
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:149 Resp: 1043589

Ion	Ratio	Lower	Upper
149	100		
167	28.7	0.0	58.7
279	6.0	0.0	36.2

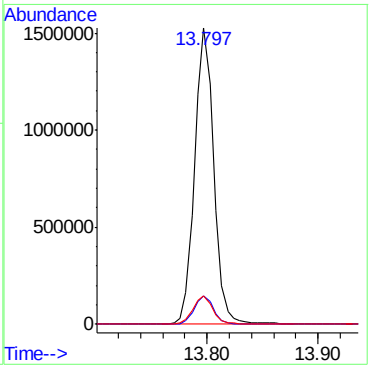


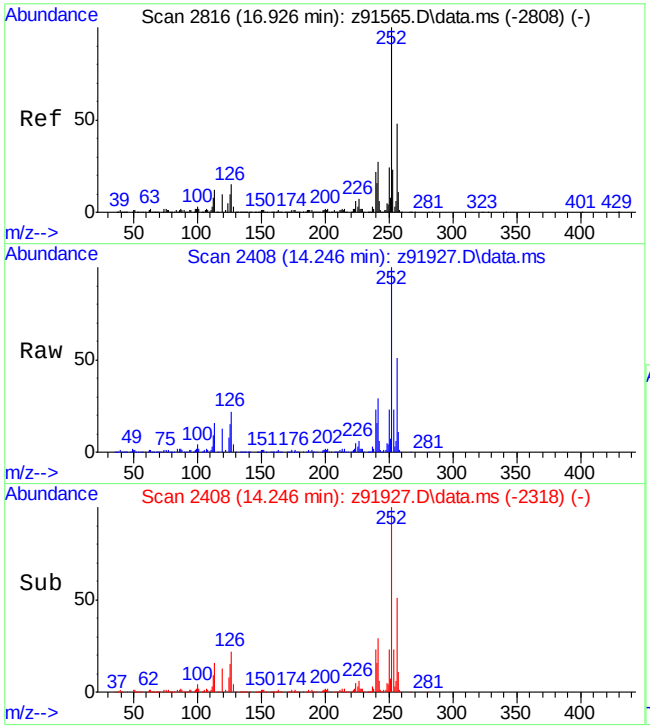


#93
Di-n-octylphthalate
Concen: 56.49 ppb
RT: 13.797 min Scan# 2324
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:149 Resp: 1805366

Ion	Ratio	Lower	Upper
149	100		
150	9.5	0.0	39.4
43	9.3	0.0	39.1

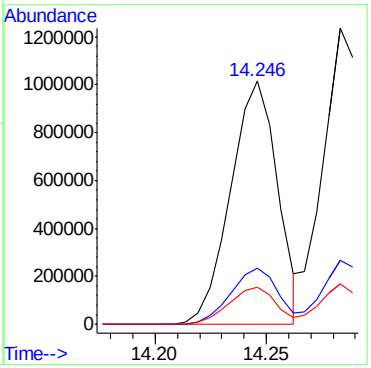


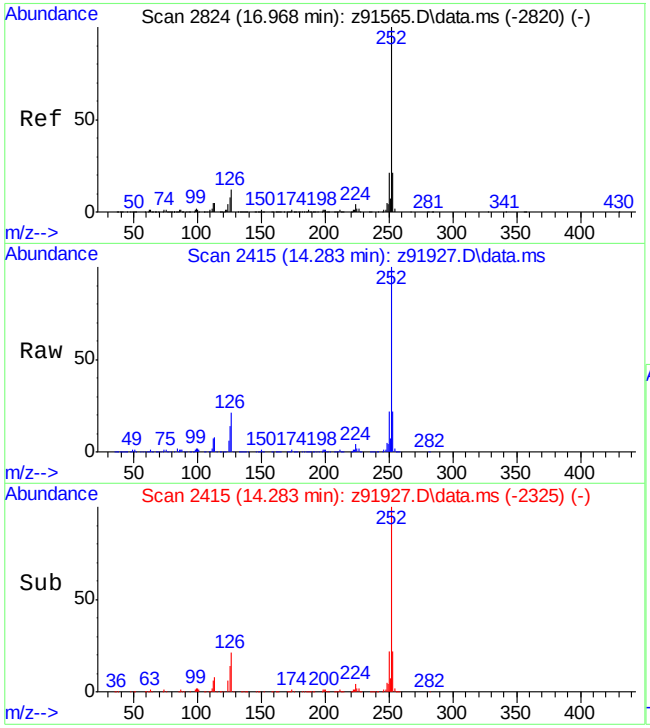


#94
Benzo[b]fluoranthene
Concen: 53.21 ppb
RT: 14.246 min Scan# 2408
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:252 Resp: 1488278

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	54.0
125	15.6	0.0	47.1

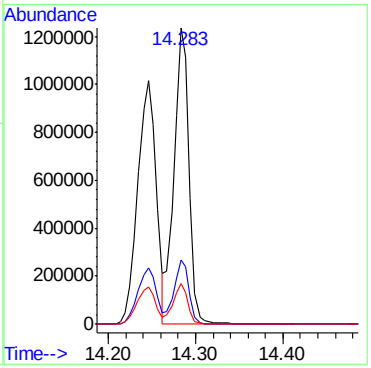


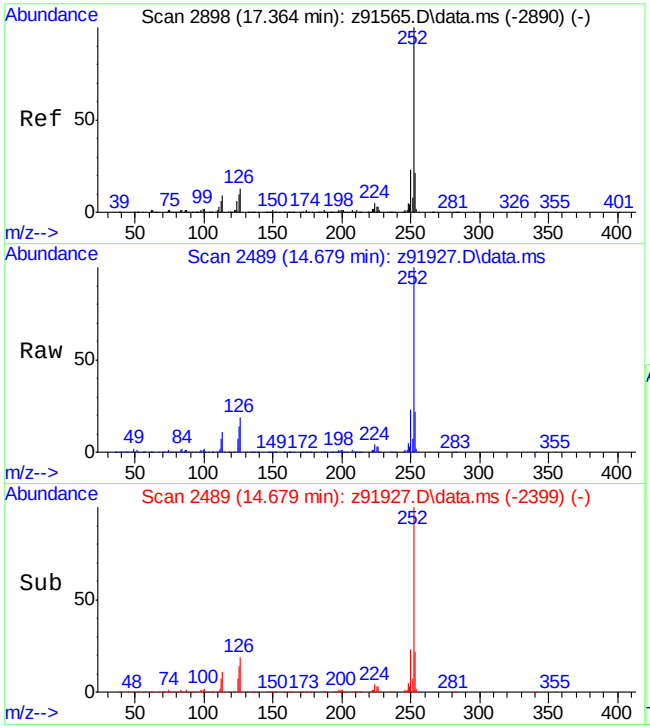


#95
Benzo[k]fluoranthene
Concen: 51.51 ppb
RT: 14.283 min Scan# 2415
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:252 Resp: 1488173

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.2
125	13.8	0.0	45.0

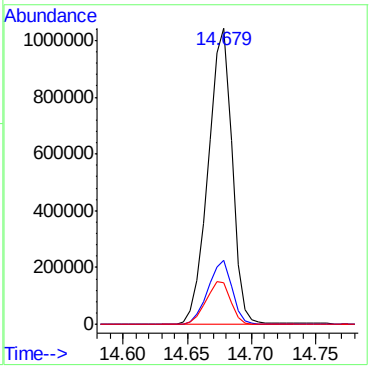


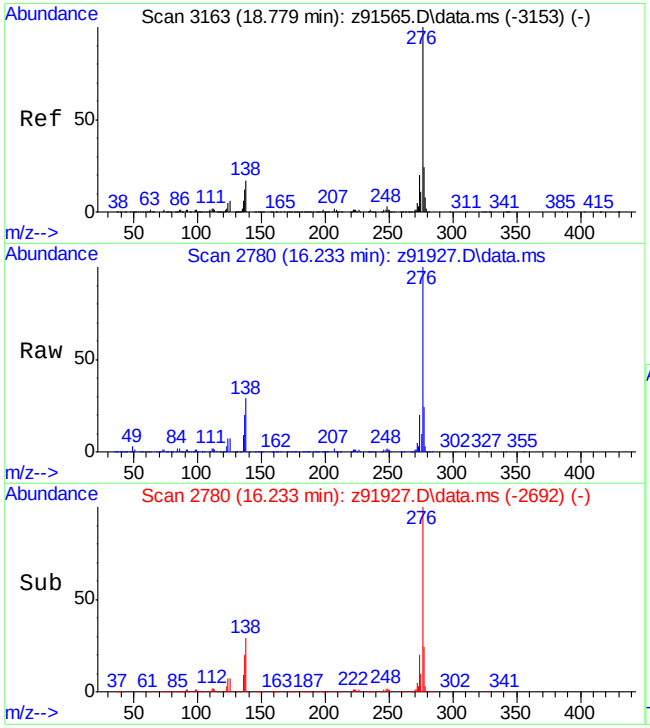


#96
Benzo[a]pyrene
Concen: 53.76 ppb
RT: 14.679 min Scan# 2489
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:252 Resp: 1335777

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.6
125	14.1	0.0	47.1

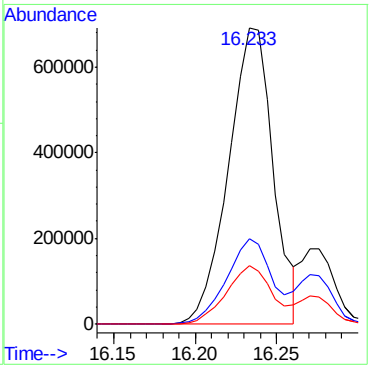


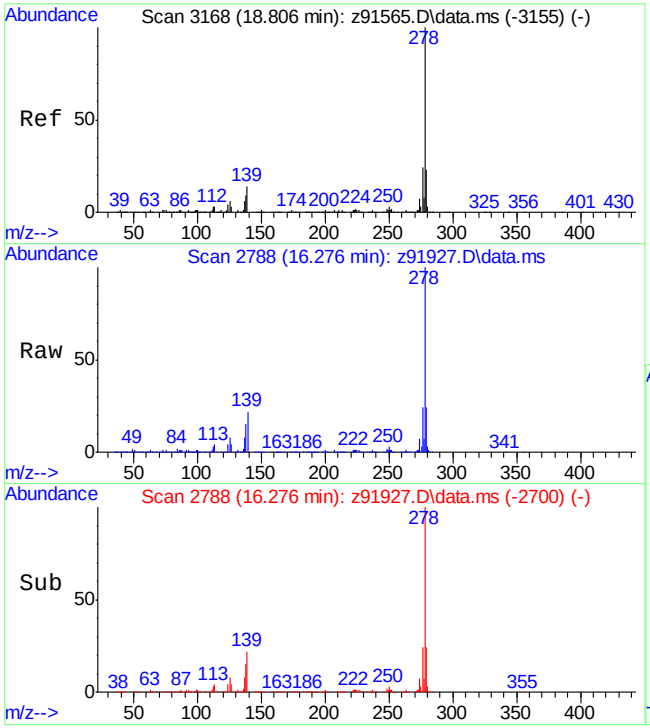


#97
Indeno[1,2,3-cd]pyrene
Concen: 54.75 ppb
RT: 16.233 min Scan# 2780
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:276 Resp: 1312328

Ion	Ratio	Lower	Upper
276	100		
138	25.7	0.0	55.2
137	18.5	0.0	49.3

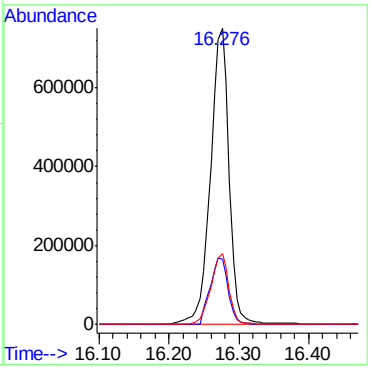


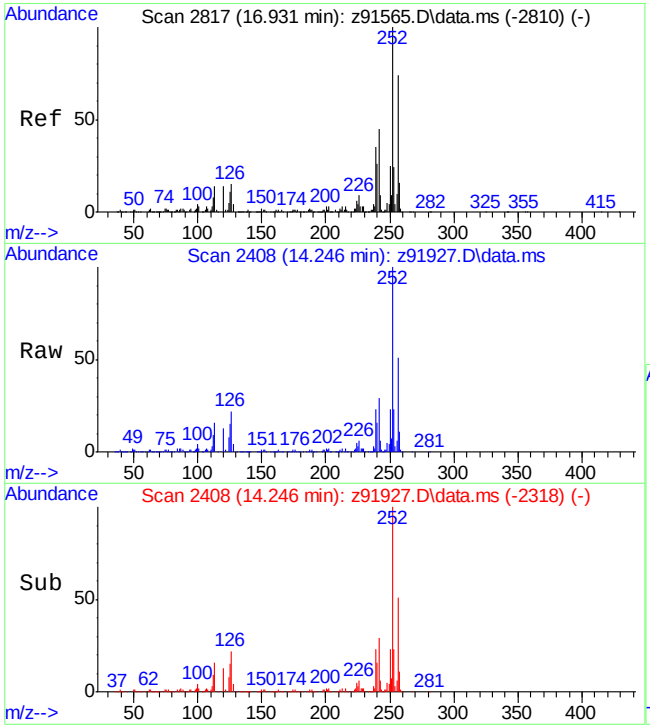


#99
Dibenz[a,h]anthracene
Concen: 54.82 ppb
RT: 16.276 min Scan# 2788
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:278 Resp: 1385657

Ion	Ratio	Lower	Upper
278	100		
139	21.9	0.0	54.1
279	23.8	0.0	53.2

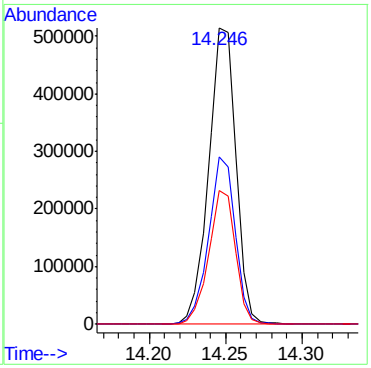


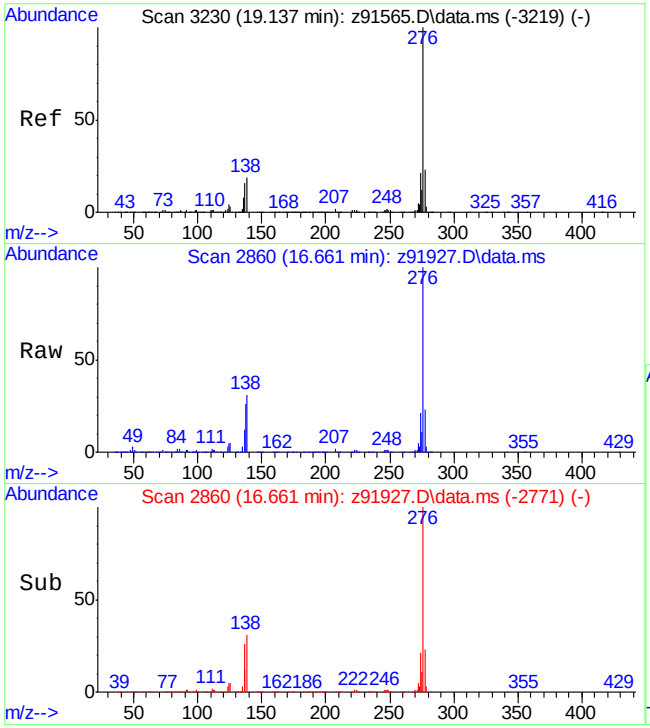


#100
7,12-Dimethylbenz(a)anthracene
Concen: 58.51 ppb
RT: 14.246 min Scan# 2408
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:256 Resp: 637365

Ion	Ratio	Lower	Upper
256	100		
241	56.3	25.5	85.5
239	45.2	14.2	74.2

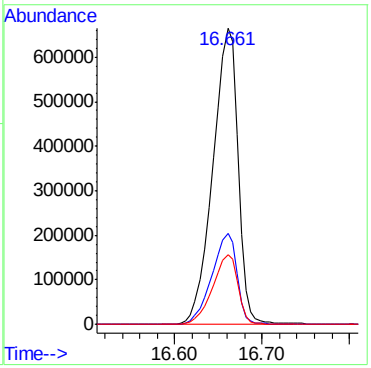


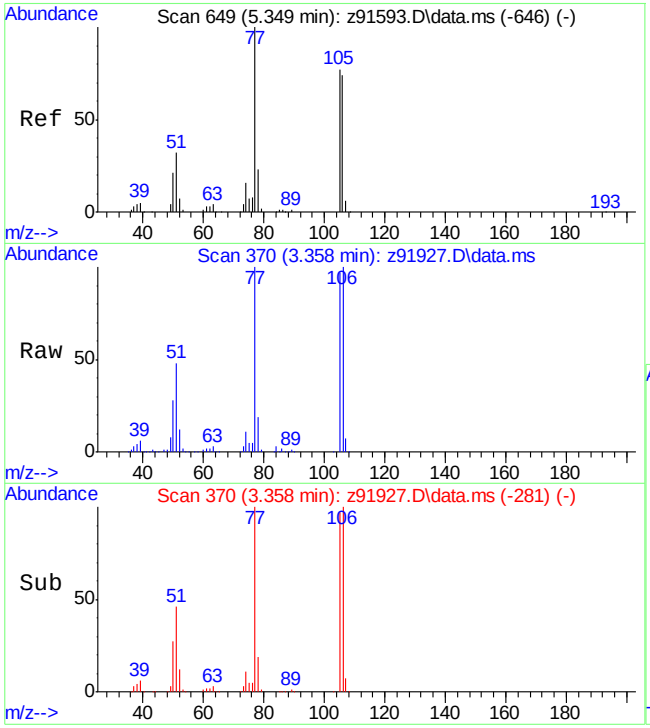


#101
Benzo[g,h,i]perylene
Concen: 53.30 ppb
RT: 16.661 min Scan# 2860
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:276 Resp: 1330949

Ion	Ratio	Lower	Upper
276	100		
138	30.6	3.7	63.7
277	23.4	0.0	53.6

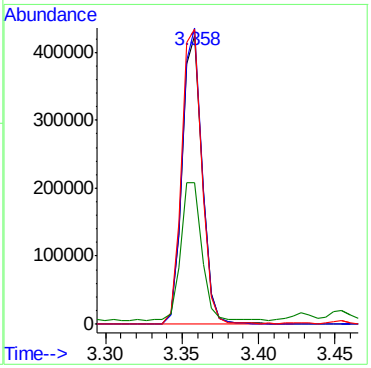


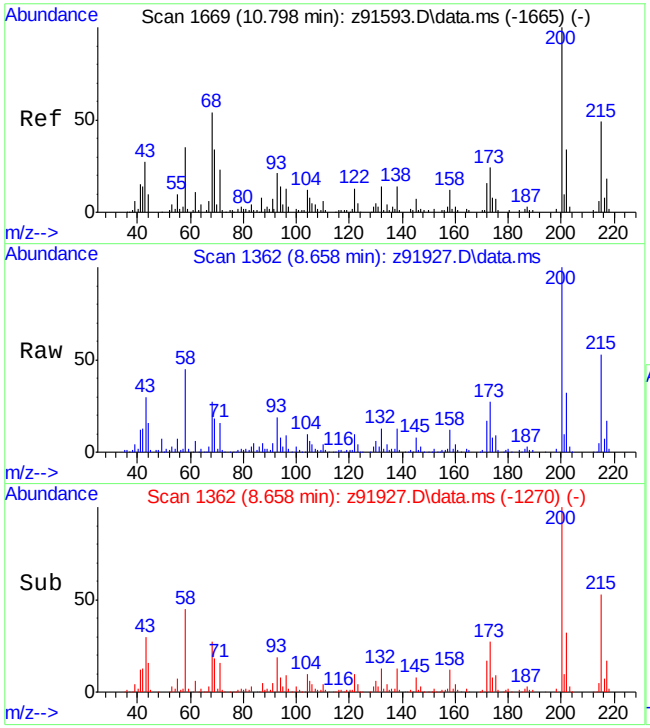


#103
Benzaldehyde
Concen: 59.40 ppb
RT: 3.358 min Scan# 370
Delta R.T. -0.027 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:105 Resp: 385061

Ion	Ratio	Lower	Upper
105	100		
106	102.7	66.5	126.5
77	102.2	100.2	160.2
51	47.0	11.3	71.3

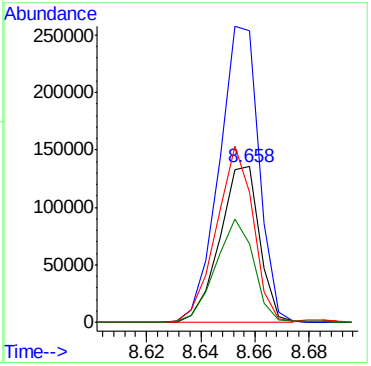


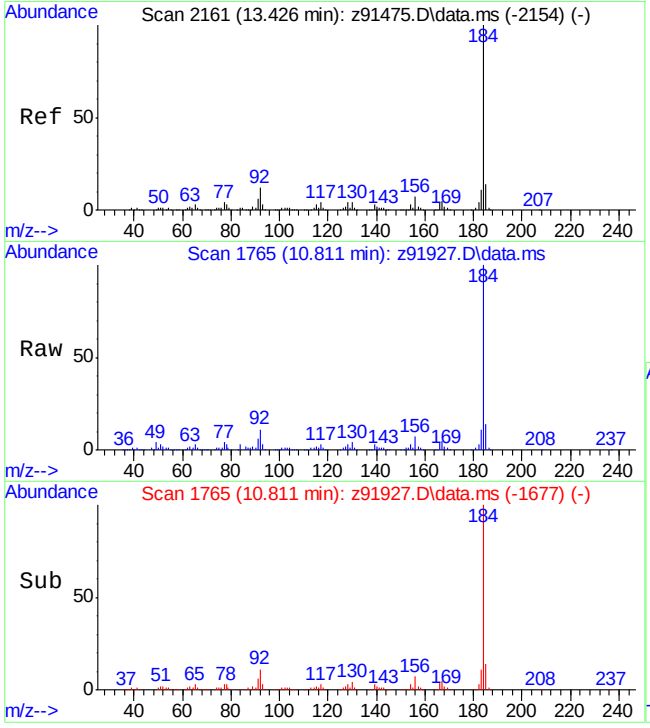


#105
Atrazine
Concen: 63.03 ppb
RT: 8.658 min Scan# 1362
Delta R.T. -0.010 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:215 Resp: 137497

Ion	Ratio	Lower	Upper
215	100		
200	187.2	173.2	233.2
58	83.3	41.1	101.1
68	50.5	80.1	140.1#

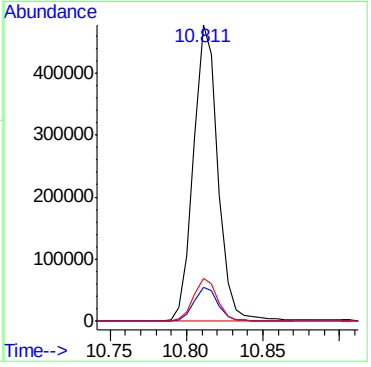


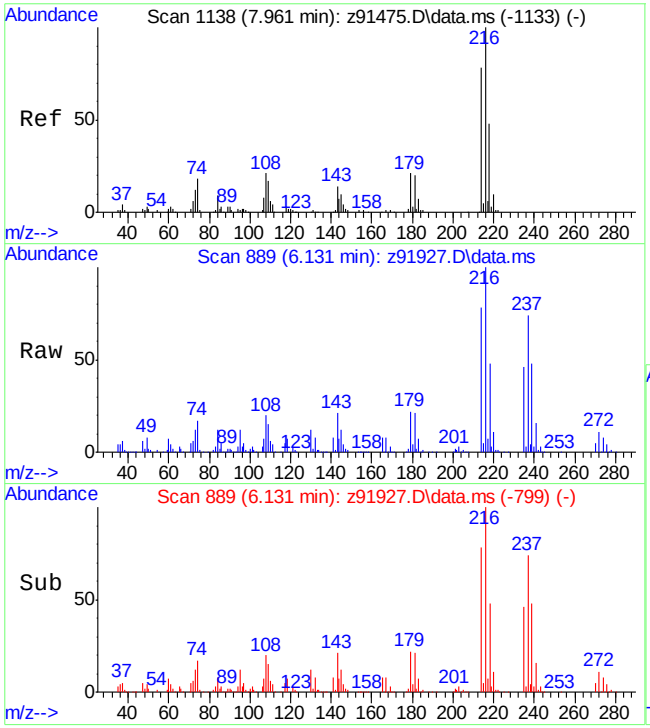


#108
Benzidine
Concen: 51.25 ppb
RT: 10.811 min Scan# 1765
Delta R.T. -0.032 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:184 Resp: 529318

Ion	Ratio	Lower	Upper
184	100		
183	11.3	0.0	42.0
185	14.3	0.0	43.6

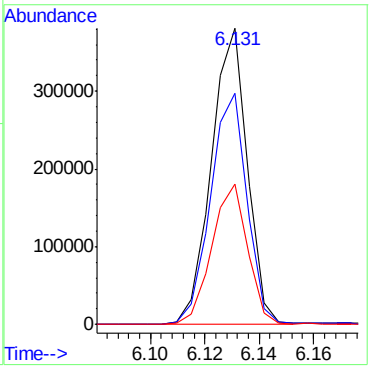




#111
1,2,4,5-Tetrachlorobenzene
Concen: 48.12 ppb
RT: 6.131 min Scan# 889
Delta R.T. -0.021 min
Lab File: z91927.D
Acq: 28 May 2014 11:35 pm

Tgt Ion:216 Resp: 347977

Ion	Ratio	Lower	Upper
216	100		
214	78.2	59.2	99.2
218	47.6	28.4	68.4



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
05/30/14 09:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:40:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.095	152	991413	40.00	ppb	-0.05
24) Naphthalene-d8	6.181	136	3694614	40.00	ppb	-0.06
47) Acenaphthene-d10	8.154	164	2167013	40.00	ppb	-0.08
69) Phenanthrene-d10	10.283	188	3653728	40.00	ppb	-0.10
83) Chrysene-d12	14.461	240	3663381	40.00	ppb	-0.10
92) Perylene-d12	16.573	264	3057913	40.00	ppb	-0.10
102) 1,4-Dichlorobenzene-d4a	5.095	152	991413	40.00	ppb	-0.05
104) Phenanthrene-d10a	10.283	188	3653728	40.00	ppb	-0.10
106) Chrysene-d12a	14.461	240	3663381	40.00	ppb	-0.10
108) Acenaphthene-d10a	8.154	164	2167013	40.00	ppb	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.854	112	1408161	39.42	ppb	-0.06
Spiked Amount 50.000			Recovery = 78.84%			
8) Phenol-d5	4.854	99	1911417	37.42	ppb	-0.05
Spiked Amount 50.000			Recovery = 74.84%			
25) Nitrobenzene-d5	5.566	82	1874945	38.43	ppb	-0.05
Spiked Amount 50.000			Recovery = 76.86%			
51) 2-Fluorobiphenyl	7.331	172	2868536	45.05	ppb	-0.07
Spiked Amount 50.000			Recovery = 90.10%			
73) 2,4,6-Tribromophenol	9.267	330	449953	47.59	ppb	-0.09
Spiked Amount 50.000			Recovery = 95.18%			
86) Terphenyl-d14	12.851	244	3067780	43.12	ppb	-0.09
Spiked Amount 50.000			Recovery = 86.24%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.602	88	396948	23.12	ppb	90
3) Pyridine	1.897	79	1325373	29.50	ppb	78
4) N-Nitrosodimethylamine	1.875	74	949443	36.01	ppb	64
6) Indene	5.309	116	2625039	39.56	ppb	98
7) Cumene	4.352	105	3787780	35.98	ppb	99
9) Phenol	4.865	94	1657223	28.08	ppb	92
10) Aniline	4.817	93	1719822	26.41	ppb	93
11) bis(2-Chloroethyl)ether	4.892	93	1625862	39.28	ppb	98
12) 2-Chlorophenol	4.924	128	1153479	34.10	ppb	99
13) Decane	4.988	43	1013907	40.61	ppb	77
14) 1,3-Dichlorobenzene	5.042	146	1600664	44.59	ppb	100
15) 1,4-Dichlorobenzene	5.111	146	1646101	45.61	ppb	97
16) Benzyl alcohol	5.245	108	1088949	43.77	ppb	96
17) 1,2-Dichlorobenzene	5.234	146	1579416	46.83	ppb	99
18) Acetophenone	5.443	105	2346835	37.73	ppb	90
19) 2-Methylphenol	5.368	108	1132259	32.73	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.352	121	512487	43.21	ppb	86
21) 3&4-Methylphenol	5.491	108	1162586	31.28	ppb	99
22) n-Nitroso-di-n-propyla...	5.459	70	1292746	38.69	ppb	85
23) Hexachloroethane	5.507	201	580366	47.81	ppb	97
26) Nitrobenzene	5.582	77	2049396	40.86	ppb	97
27) Quinoline	6.529	129	2606975	40.30	ppb	100
28) Isophorone	5.785	82	3255500	39.19	ppb	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:40:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.849	139	570051	35.58	ppb		92
30) 2,4-Dimethylphenol	5.924	107	1345076	35.57	ppb		98
31) Benzoic Acid	6.058	105	615243m	31.98	ppb		
32) bis(2-Chloroethoxy)met...	5.988	93	1888194	41.23	ppb		98
33) 2,4-Dichlorophenol	6.085	162	883584	38.34	ppb		98
34) 2,6-Dichlorophenol	6.282	162	895932	38.24	ppb		97
36) 1,2,4-Trichlorobenzene	6.138	180	1318746	49.32	ppb		97
38) Naphthalene	6.202	128	4454486	47.57	ppb		99
39) 4-Chloroaniline	6.277	127	1004841	25.48	ppb		98
40) 2,3-Dichloroaniline	7.229	161	1192973	37.32	ppb		96
41) Caprolactam	6.641	55	481558m	36.29	ppb		
42) Hexachlorobutadiene	6.331	225	850467	56.33	ppb		97
43) 4-Chloro-3-methylphenol	6.801	107	1200447	34.24	ppb		98
44) 2-Methylnaphthalene	6.903	141	2434267	46.24	ppb		98
45) 1-Methylnaphthalene	7.010	141	2291832	42.42	ppb		99
46) Dimethylnaphthalene	7.630	156	2454962	42.08	ppb		98
48) Hexachlorocyclopentadiene	7.085	237	1607476	100.02	ppb		99
49) 2,4,6-Trichlorophenol	7.245	196	621075	36.91	ppb		97
50) 2,4,5-Trichlorophenol	7.304	196	657545	37.13	ppb		97
52) 2-Chloronaphthalene	7.454	162	2628492	46.13	ppb		96
53) Biphenyl	7.443	154	3318732	42.27	ppb		98
54) 2-Nitroaniline	7.609	65	1043836	41.58	ppb		95
55) Dimethylphthalate	7.855	163	3081141	48.32	ppb		99
56) Acenaphthylene	7.967	152	3601374	38.84	ppb		99
57) 2,6-Dinitrotoluene	7.925	165	650096	44.44	ppb		97
58) 3-Nitroaniline	8.138	138	513975	31.03	ppb		97
59) Acenaphthene	8.197	153	2799866	47.82	ppb		99
60) 2,4-Dinitrophenol	8.299	184	461940	54.55	ppb		97
61) 4-Nitrophenol	8.459	109	441859	32.83	ppb	#	69
62) Dibenzofuran	8.438	168	3696625	46.11	ppb		98
63) 2,4-Dinitrotoluene	8.470	165	909417	45.12	ppb		86
64) 2,3,4,6-Tetrachlorophenol	8.636	232	514114	34.93	ppb		97
65) Diethylphthalate	8.828	149	3227699	47.69	ppb		100
66) Fluorene	8.914	166	3168137	47.79	ppb		100
67) 4-Chlorophenyl-phenyle...	8.941	204	1444875	49.65	ppb		99
68) 4-Nitroaniline	8.994	138	663947	41.11	ppb		83
70) 4,6-Dinitro-2-methylph...	9.053	198	313575	26.87	ppb		94
71) n-Nitrosodiphenylamine	9.123	169	2115706	46.89	ppb		99
72) 1,2-Diphenylhydrazine	9.165	77	3930321	37.59	ppb		97
74) 4-Bromophenyl-phenylether	9.652	248	860836	50.24	ppb		94
75) Hexachlorobenzene	9.722	284	954442	45.96	ppb		91
76) Pentachlorophenol	10.048	266	362806	32.47	ppb		100
77) Phenanthrene	10.321	178	4208945	42.99	ppb		98
78) Anthracene	10.401	178	4396357	44.84	ppb		100
79) Carbazole	10.690	167	3846441	39.99	ppb		99
80) Di-n-butylphthalate	11.337	149	5291742	46.03	ppb		99
81) Fluoranthene	12.171	202	4538028	43.91	ppb		93
82) Octadecane	10.289	57	1713790	37.42	ppb		85
84) Pyrene	12.514	202	4649760	43.25	ppb		93
87) Butylbenzylphthalate	13.701	149	2245409	43.97	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:40:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration

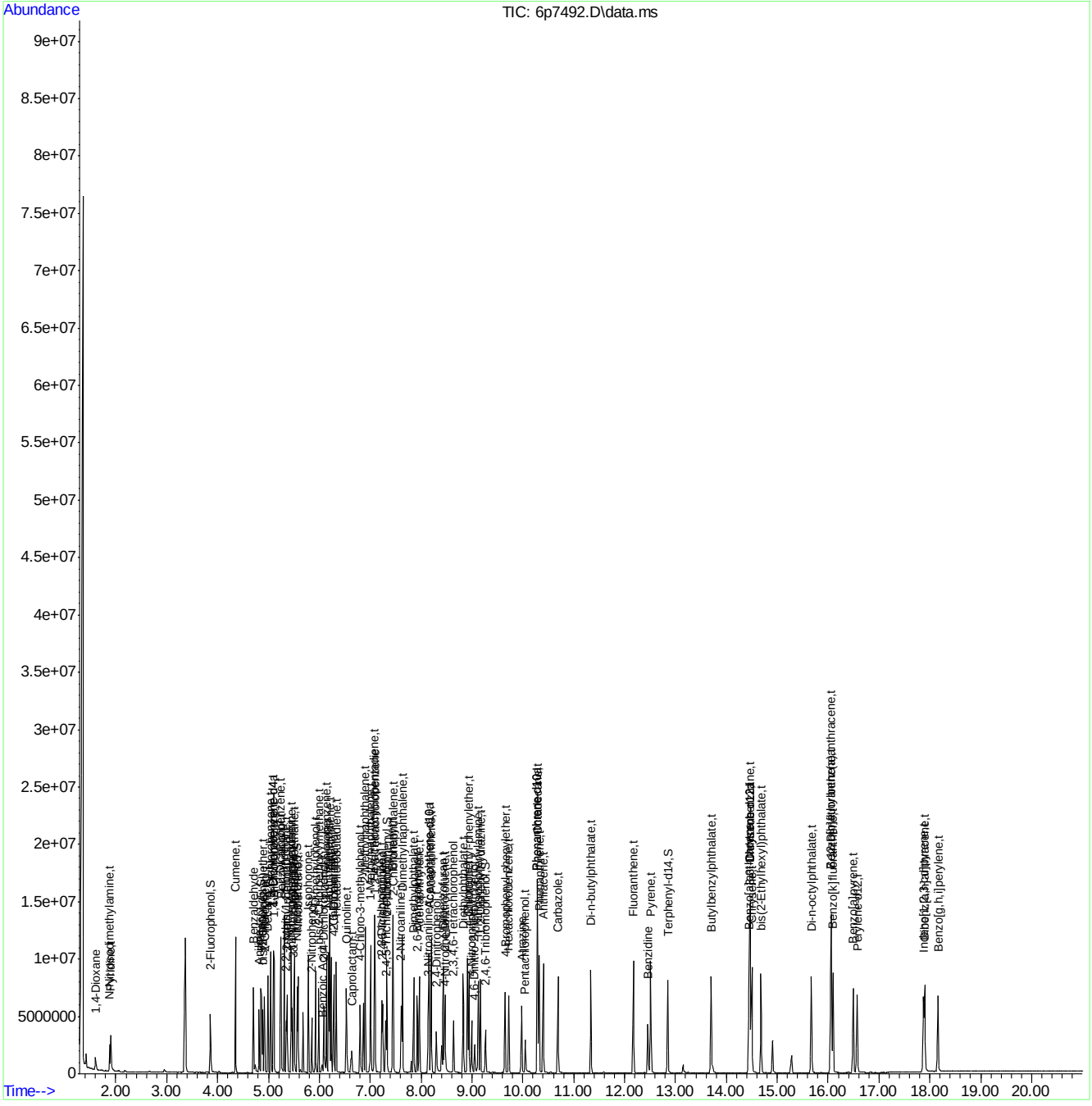
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.444	228	4140687	42.50	ppb	99
89) 3,3'-Dichlorobenzidine	14.471	252	2249145	67.93	ppb	98
90) Chrysene	14.503	228	4033507	44.98	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.685	149	3136411	45.33	ppb	99
93) Di-n-octylphthalate	15.669	149	5250293	48.09	ppb	98
94) Benzo[b]fluoranthene	16.060	252	4465290	48.88	ppb	96
95) Benzo[k]fluoranthene	16.097	252	3874024	46.04	ppb	99
96) Benzo[a]pyrene	16.493	252	3621531	46.12	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.878	276	3573968	44.16	ppb	95
99) Dibenz[a,h]anthracene	17.900	278	3611935	46.54	ppb	100
100) 7,12-Dimethylbenz(a)an...	16.060	256	1936619	36.52	ppb	99
101) Benzo[g,h,i]perylene	18.162	276	3412527	44.08	ppb	94
103) Benzaldehyde	4.705	105	1212115	34.21	ppb	94
105) Atrazine	9.978	215	410210	39.15	ppb	80
107) Benzidine	12.455	184	1951914	34.84	ppb	98
109) 1,2,4,5-Tetrachloroben...	7.095	216	1363148	46.98	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:40:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

Sample Number: OP75136-BS1
Lab FileID: 6P7492.D
Injection Time: 05/29/14 14:05

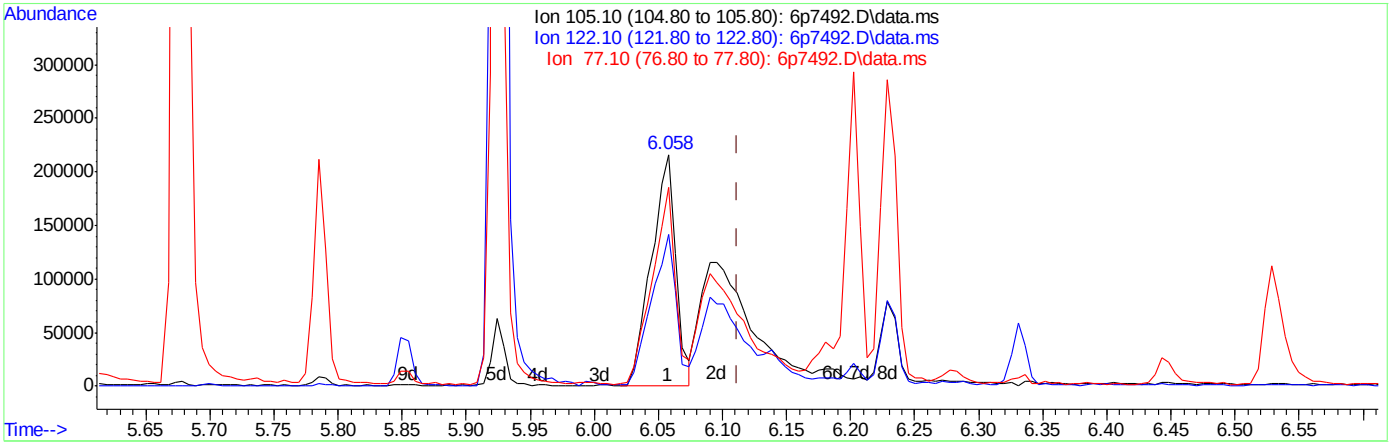
Method: SW846 8270D
Analyst approved: 05/29/14 16:48 Ashley Royal
Supervisor approved: 05/30/14 09:53 Kristin Weiler

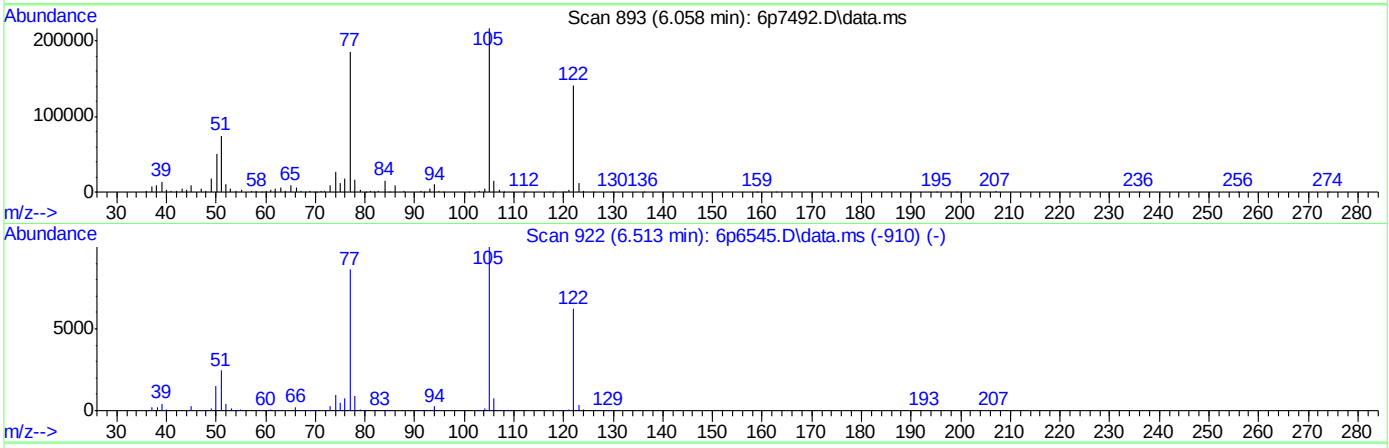
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.06	Split peak
Caprolactam	105-60-2		6.64	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 14:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration





TIC: 6p7492.D\data.ms

(31) Benzoic Acid

6.058min (-0.054) 14.97ppb

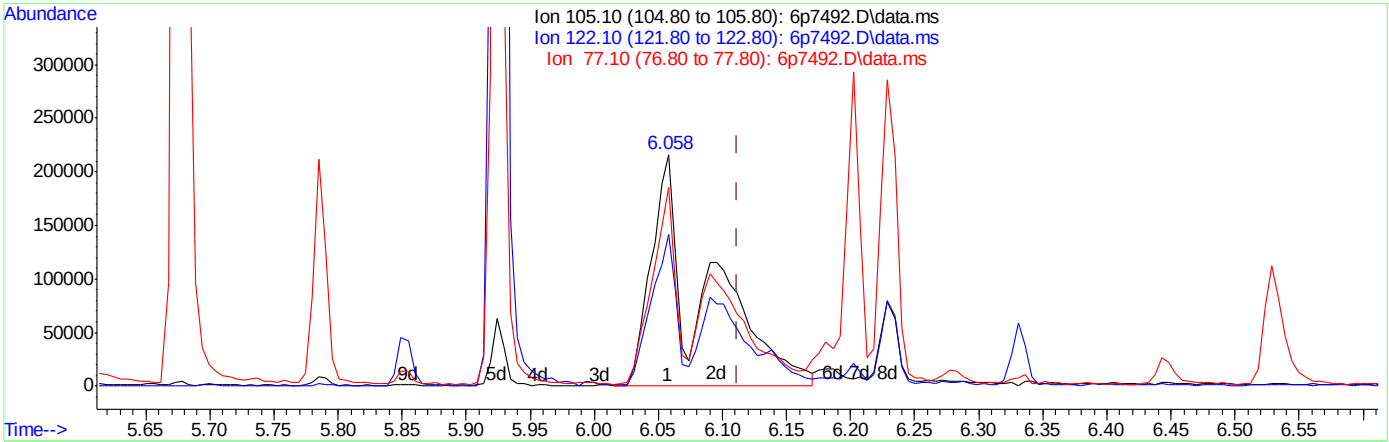
response 288104

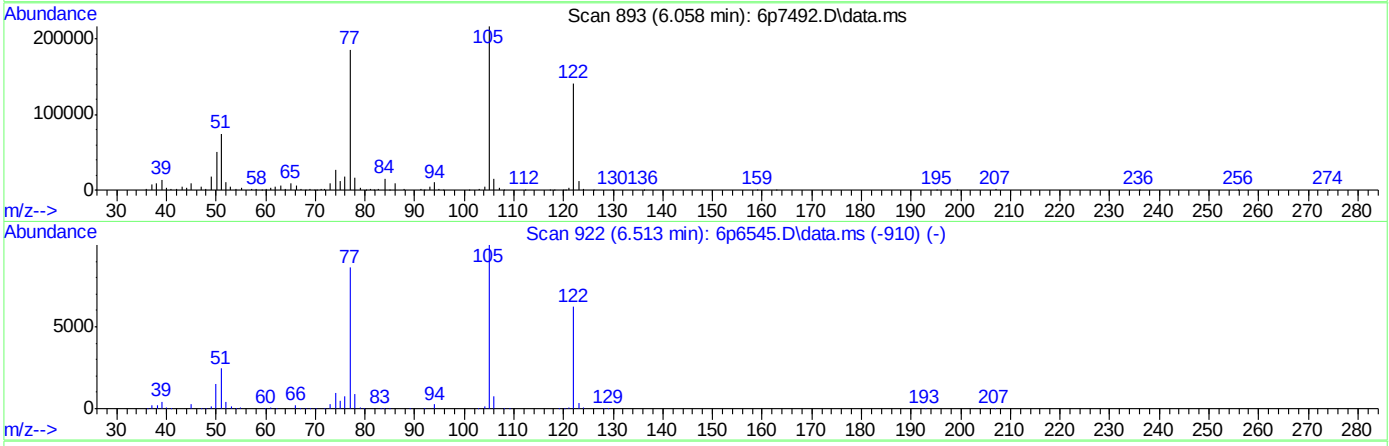
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	65.10#
77.10	34.70	80.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 14:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration





TIC: 6p7492.D\data.ms

(31) Benzoic Acid

6.058min (-0.054) 31.98ppb m

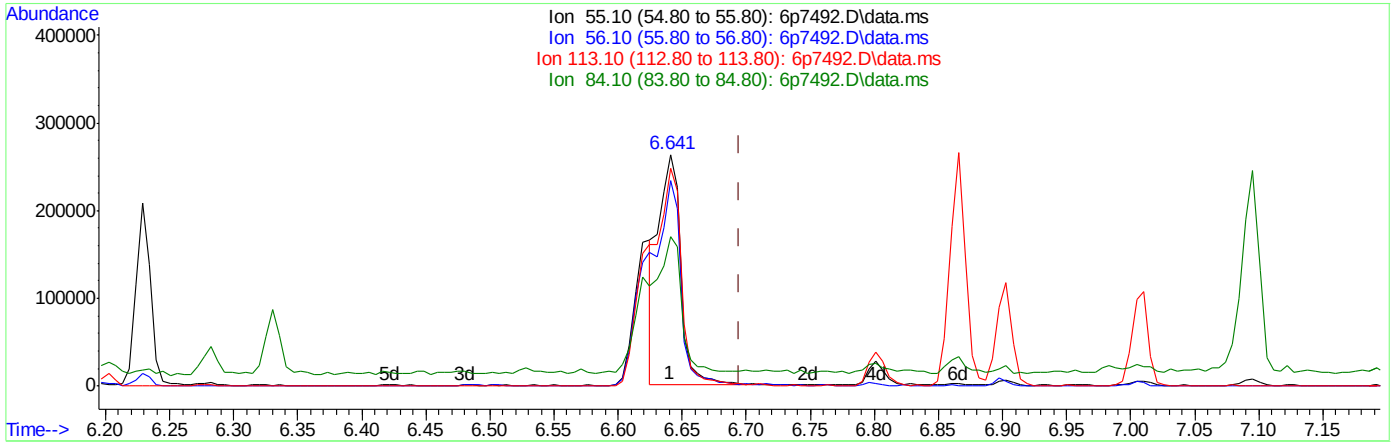
response 615243

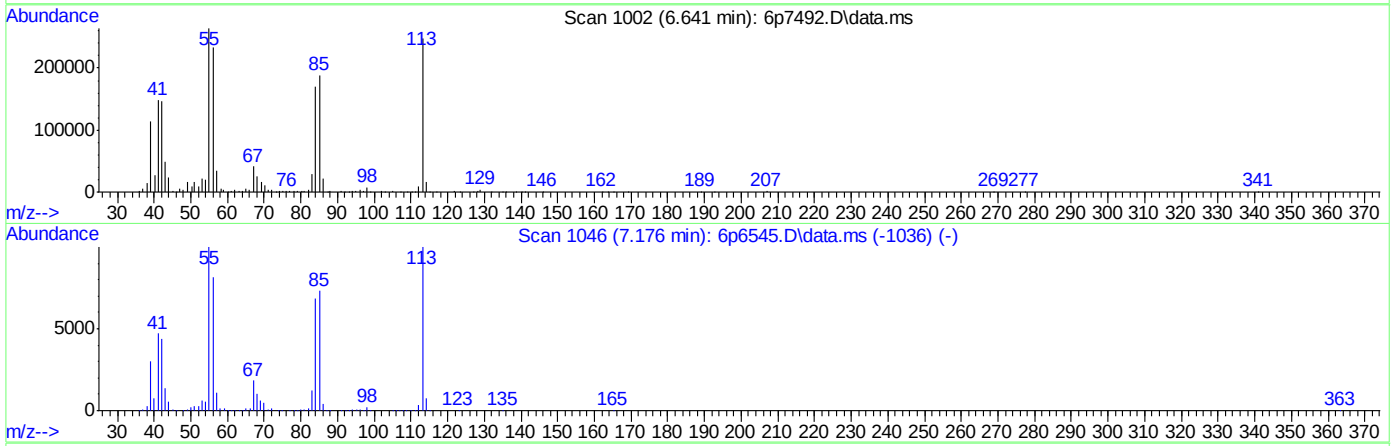
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	30.49
77.10	34.70	37.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 14:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration





TIC: 6p7492.D\data.ms

(41) Caprolactam (t)

6.641min (-0.054) 23.80ppb

response 315854

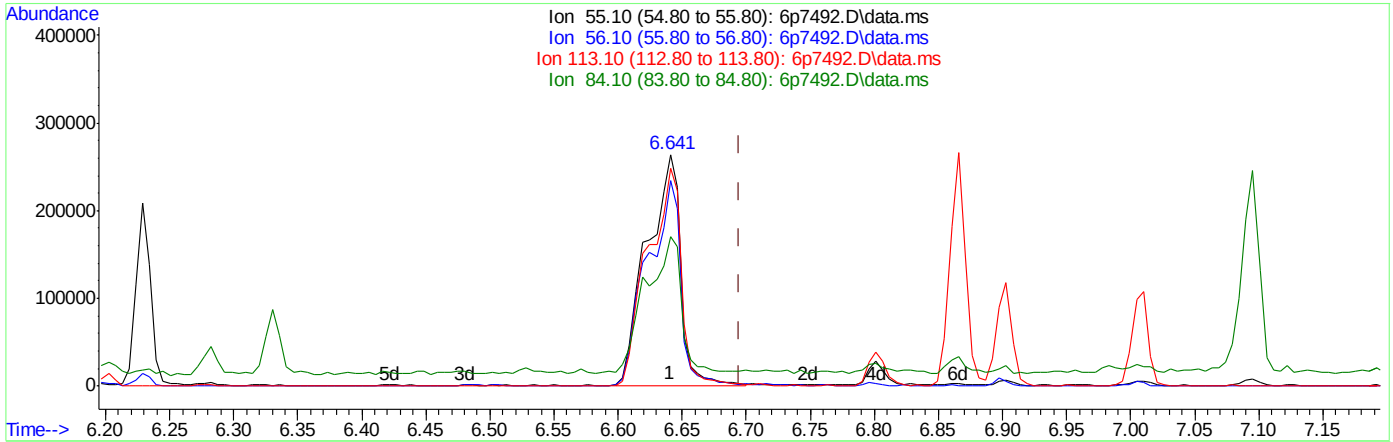
Ion	Exp%	Act%
55.10	100	100
56.10	81.50	86.90
113.10	100.30	92.99
84.10	68.90	57.60

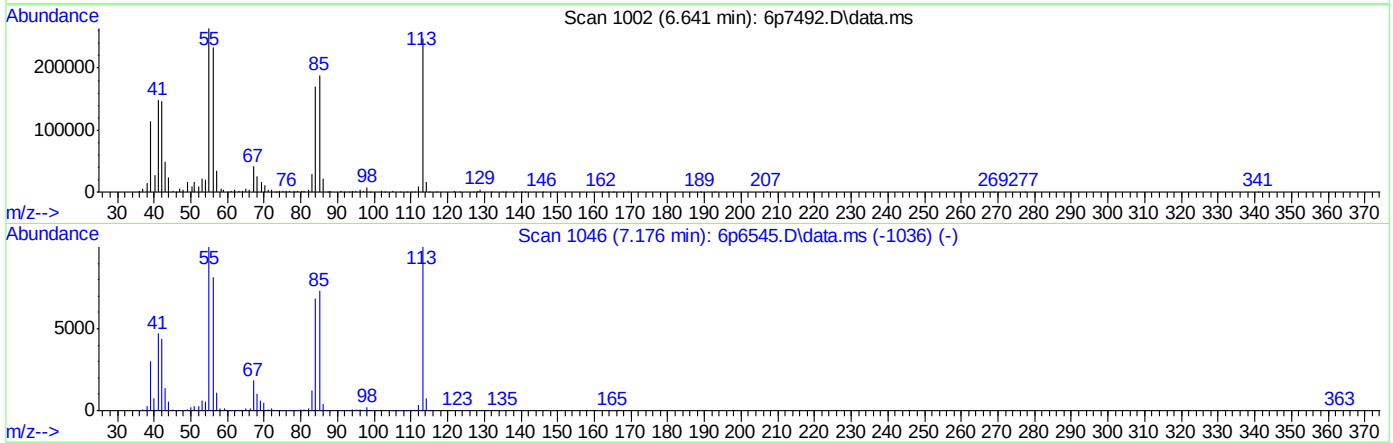
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7492.D
Acq On : 29 May 2014 2:05 pm
Operator : ashleyv
Sample : op75136-bs1
Misc : op75136,e6p318,30.0
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 14:26:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Sat May 24 10:45:50 2014
Response via : Initial Calibration





TIC: 6p7492.D\data.ms

(41) Caprolactam (t)

6.641min (-0.054) 36.29ppb m

response 481558

Ion	Exp%	Act%
55.10	100	100
56.10	81.50	88.56
113.10	100.30	94.13
84.10	68.90	64.37

ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63912.D
Acq On : 28 May 2014 12:14 am
Operator : ashleyd
Sample : op75114-ms
Misc : op75114,E2M2711,33.2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 16:22:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	598933	40.00	ppb	0.00
24) Naphthalene-d8	5.855	136	2561253	40.00	ppb	0.00
47) Acenaphthene-d10	7.941	164	1327989	40.00	ppb	0.00
69) Phenanthrene-d10	10.123	188	1986289	40.00	ppb	0.00
83) Chrysene-d12	14.317	240	1297989	40.00	ppb	0.01
92) Perylene-d12	16.429	264	1278773	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.753	152	598933	40.00	ppb	0.00
104) Acenaphthene-d10a	7.941	164	1327989	40.00	ppb	0.00
106) Chrysene-d12a	14.317	240	1297989	40.00	ppb	0.01
108) Phenanthrene-d10a	10.123	188	1986289	40.00	ppb	0.00
110) Naphthalene-d8a	5.855	136	2561253	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.801	112	650590	29.31	ppb	0.00
Spiked Amount 50.000			Recovery = 58.62%			
8) Phenol-d5	4.507	99	750288	27.45	ppb	0.00
Spiked Amount 50.000			Recovery = 54.90%			
25) Nitrobenzene-d5	5.197	82	648586	28.32	ppb	0.00
Spiked Amount 50.000			Recovery = 56.64%			
51) 2-Fluorobiphenyl	7.059	172	1171760	28.79	ppb	0.00
Spiked Amount 50.000			Recovery = 57.58%			
73) 2,4,6-Tribromophenol	9.080	330	109881	37.69	ppb	0.00
Spiked Amount 50.000			Recovery = 75.38%			
85) Terphenyl-d14	12.669	244	890530	34.29	ppb	0.00
Spiked Amount 50.000			Recovery = 68.58%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.346	88	187984	16.64	ppb	99
3) Pyridine	2.662	79	623669	22.67	ppb	96
4) N-Nitrosodimethylamine	2.630	74	430036	28.35	ppb	90
6) Indene	4.957	116	1070958	25.54	ppb	99
7) Cumene	4.160	105	1340984	22.35	ppb	100
9) Phenol	4.518	94	741773	23.67	ppb	85
10) Aniline	4.507	93	603021	16.44	ppb	96
11) bis(2-Chloroethyl)ether	4.545	93	714929	31.92	ppb	96
12) 2-Chlorophenol	4.609	128	533517	22.42	ppb	99
13) Decane	4.625	43	463930	20.53	ppb	97
14) 1,3-Dichlorobenzene	4.710	146	729311	28.35	ppb	100
15) 1,4-Dichlorobenzene	4.769	146	717223	27.86	ppb	99
16) Benzyl alcohol	4.866	108	475133	30.12	ppb	92
17) 1,2-Dichlorobenzene	4.887	146	699213	29.21	ppb	98
18) Acetophenone	5.069	105	817520	25.26	ppb	92
19) 2-Methylphenol	4.973	108	498875	23.34	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.962	45	733141	28.04	ppb	96
21) 3&4-Methylphenol	5.090	108	588607	28.17	ppb	99
22) n-Nitroso-di-n-propyla...	5.069	70	412738	29.54	ppb	97
23) Hexachloroethane	5.160	201	200047	30.15	ppb	85
26) Nitrobenzene	5.213	77	673076	28.04	ppb	99
27) Quinoline	6.219	129	1287803	24.49	ppb	100
28) Isophorone	5.417	82	1175977	26.93	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63912.D
Acq On : 28 May 2014 12:14 am
Operator : ashleyd
Sample : op75114-ms
Misc : op75114,E2M2711,33.2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 16:22:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.497	139	267603	22.31	ppb		92
30) 2,4-Dimethylphenol	5.540	107	519346	25.44	ppb		97
31) Benzoic acid	5.625	105	80703m	5.48	ppb		
32) bis(2-Chloroethoxy)met...	5.609	93	767152	29.17	ppb		99
33) 2,4-Dichlorophenol	5.732	162	403777	23.35	ppb		99
34) 2,6-Dichlorophenol	5.946	162	389264	22.64	ppb		99
36) 1,2,4-Trichlorobenzene	5.802	180	547237	29.12	ppb		100
38) Naphthalene	5.877	128	2371402	32.71	ppb		100
39) 4-Chloroaniline	5.930	127	462358	15.85	ppb		100
40) 2,3-Dichloroaniline	6.957	161	521460	22.79	ppb		100
41) Caprolactam	6.283	55	232372	23.38	ppb		95
42) Hexachlorobutadiene	6.000	225	250504	31.76	ppb		98
43) 4-Chloro-3-methylphenol	6.476	107	427875	23.04	ppb		99
44) 2-Methylnaphthalene	6.615	141	1175169	29.76	ppb		98
45) 1-Methylnaphthalene	6.732	142	1283082	25.70	ppb		98
46) Dimethylnaphthalene	7.385	156	1078870	25.34	ppb		99
48) Hexachlorocyclopentadiene	6.807	237	162457	22.84	ppb		99
49) 2,4,6-Trichlorophenol	6.968	196	250132	26.03	ppb		99
50) 2,4,5-Trichlorophenol	7.026	196	261393	24.77	ppb		96
52) 2-Chloronaphthalene	7.208	162	1096834	28.48	ppb		98
53) Biphenyl	7.182	154	1422303	25.18	ppb		99
54) 2-Nitroaniline	7.347	65	322066	31.24	ppb		97
55) Dimethylphthalate	7.588	163	1228489	30.36	ppb		99
56) Acenaphthylene	7.743	152	1842334	28.55	ppb		99
57) 2,6-Dinitrotoluene	7.668	165	285599	32.96	ppb		90
58) 3-Nitroaniline	7.898	138	266602	23.31	ppb		97
59) Acenaphthene	7.984	153	1218724	30.52	ppb		99
60) 2,4-Dinitrophenol	8.053	184	110644	22.92	ppb	#	93
61) 4-Nitrophenol	8.214	109	115908	24.57	ppb	#	1
62) Dibenzofuran	8.225	168	1526130	29.16	ppb		94
63) 2,4-Dinitrotoluene	8.230	165	344101	30.38	ppb		84
64) 2,3,4,6-Tetrachlorophenol	8.428	232	171173	24.66	ppb		98
65) Diethylphthalate	8.588	149	1205232	29.92	ppb		97
66) Fluorene	8.717	166	1375401	32.99	ppb		99
67) 4-Chlorophenyl-phenyle...	8.733	204	494531	30.01	ppb		100
68) 4-Nitroaniline	8.770	138	326987	27.38	ppb		96
70) 4,6-Dinitro-2-methylph...	8.829	198	105152	18.00	ppb		96
71) n-Nitrosodiphenylamine	8.915	169	862066	31.19	ppb		95
72) 1,2-Diphenylhydrazine	8.963	77	1221520	27.45	ppb		91
74) 4-Bromophenyl-phenylether	9.455	248	258384	33.55	ppb		99
75) Hexachlorobenzene	9.551	284	252633	31.13	ppb		94
76) Pentachlorophenol	9.872	266	99135	20.05	ppb		99
77) Phenanthrene	10.161	178	2954863	48.85	ppb		99
78) Anthracene	10.236	178	2294048	38.23	ppb		100
79) Carbazole	10.514	167	1641274	26.12	ppb		99
80) Di-n-butylphthalate	11.118	149	1934484	29.80	ppb		100
81) Fluoranthene	12.043	202	2504863	46.95	ppb		96
82) Octadecane	10.054	57	695058	24.34	ppb		97
84) Pyrene	12.380	202	2631244	55.44	ppb		99
86) Butylbenzylphthalate	13.493	149	794882	35.96	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63912.D
Acq On : 28 May 2014 12:14 am
Operator : ashleyd
Sample : op75114-ms
Misc : op75114,E2M2711,33.2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 16:22:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

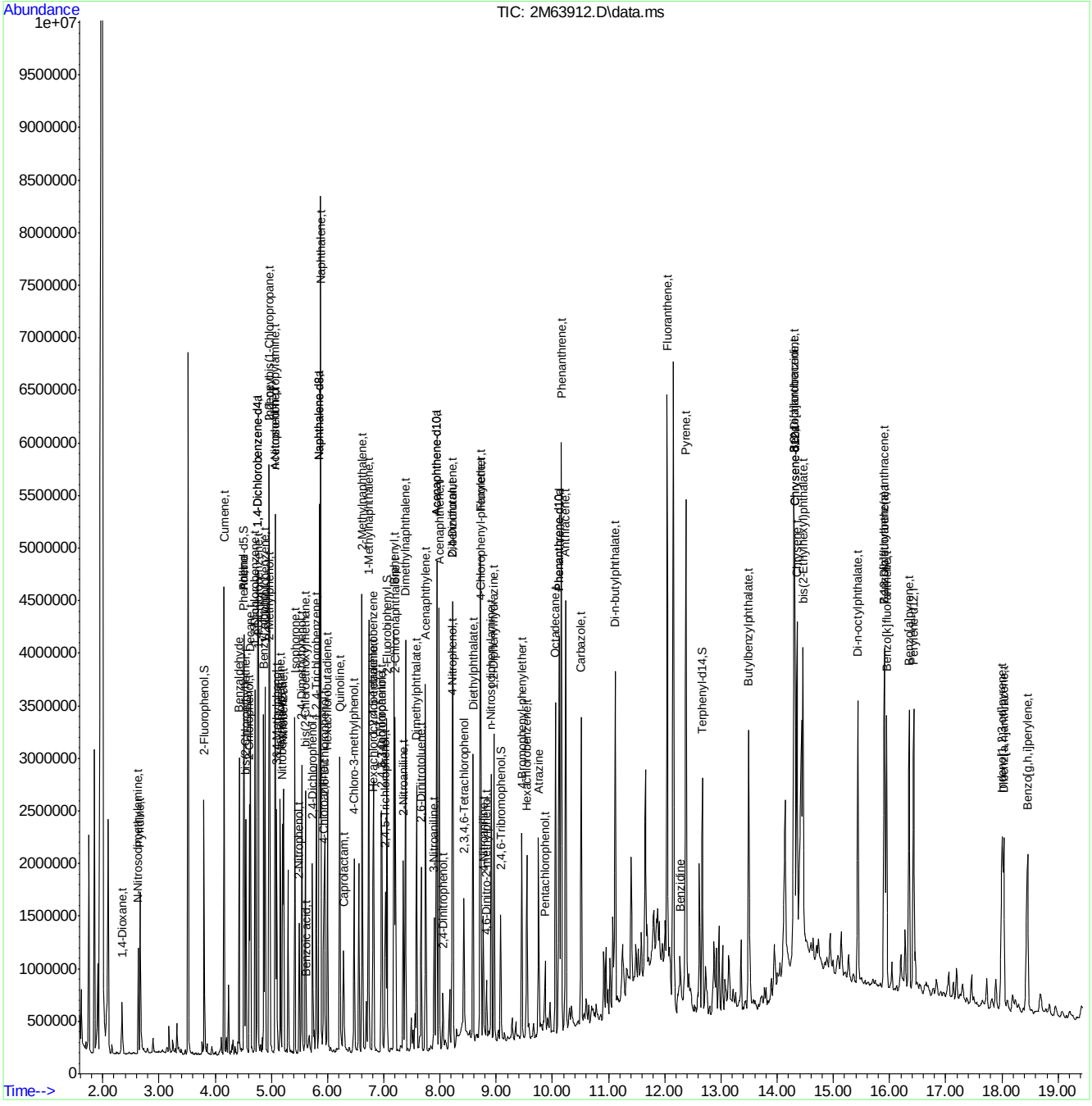
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	14.301	228	1524986	42.37	ppb	100
89) 3,3'-Dichlorobenzidine	14.301	252	457055	42.88	ppb	98
90) Chrysene	14.354	228	1543164	42.07	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.461	149	1051451	36.08	ppb	99
93) Di-n-octylphthalate	15.435	149	1875655	30.49	ppb	99
94) Benzo[b]fluoranthene	15.916	252	1504734	41.66	ppb	95
95) Benzo[k]fluoranthene	15.948	252	1156245	28.20	ppb	96
96) Benzo[a]pyrene	16.349	252	1402307	42.74	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.002	276	1366788	35.58	ppb	89
99) Dibenz[a,h]anthracene	18.034	278	1088709	33.01	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.905	256	424899	23.16	ppb	99
101) Benzo[g,h,i]perylene	18.456	276	1176573	36.99	ppb	95
103) Benzaldehyde	4.427	105	507501	28.54	ppb	100
105) 1,2,4,5-Tetrachloroben...	6.818	216	429717	29.81	ppb	98
107) Benzidine	12.273	184	299243	10.73	ppb	99
109) Atrazine	9.760	215	125989	28.20	ppb	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63912.D
Acq On : 28 May 2014 12:14 am
Operator : ashleyd
Sample : op75114-ms
Misc : op75114,E2M2711,33.2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 16:22:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration



Manual Integration Approval Summary

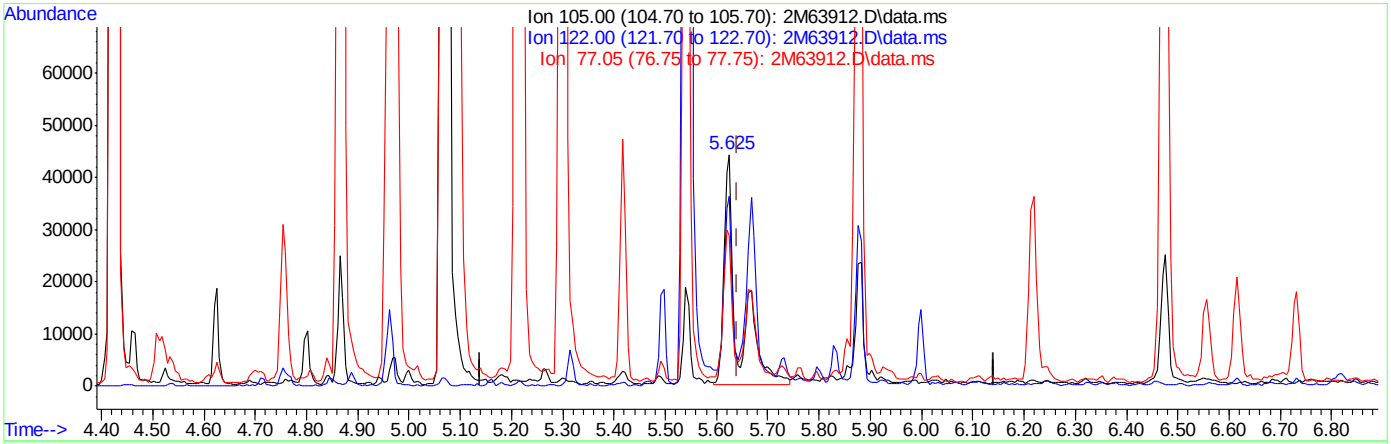
Sample Number:	OP75114-MS	**Method:**	SW846 8270D
Lab FileID:	2M63912.D	**Analyst approved:**	05/29/14 17:01 Andrew Lee Smith
Injection Time:	05/28/14 00:14	**Supervisor approved:**	06/03/14 13:58 Cheng-Hwan Ao

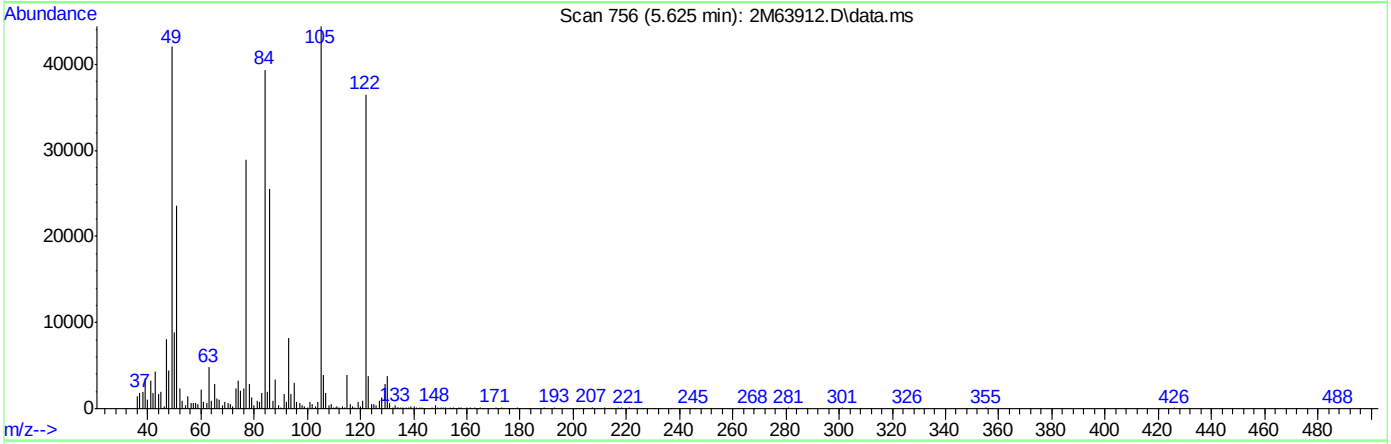
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.63	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63912.D
Acq On : 28 May 2014 12:14 am
Operator : ashleyd
Sample : op75114-ms
Misc : op75114,E2M2711,33.2
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 28 14:52:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration





TIC: 2M63912.D\data.ms

(31) Benzoic acid (t)

5.625min (-0.016) 5.48ppb m

response 80703

Ion	Exp%	Act%
105.00	100	100
122.00	80.20	82.15
77.05	69.90	65.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63913.D
Acq On : 28 May 2014 12:40 am
Operator : ashleyd
Sample : op75114-msd
Misc : op75114,E2M2711,34.2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 11:38:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	528606	40.00	ppb	0.00
24) Naphthalene-d8	5.855	136	2313139	40.00	ppb	0.00
47) Acenaphthene-d10	7.941	164	1157755	40.00	ppb	0.00
69) Phenanthrene-d10	10.123	188	1724143	40.00	ppb	0.00
83) Chrysene-d12	14.311	240	1209462	40.00	ppb	0.00
92) Perylene-d12	16.419	264	1105194	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.753	152	528606	40.00	ppb	0.00
104) Acenaphthene-d10a	7.941	164	1157755	40.00	ppb	0.00
106) Chrysene-d12a	14.311	240	1209462	40.00	ppb	0.00
108) Phenanthrene-d10a	10.123	188	1724143	40.00	ppb	0.00
110) Naphthalene-d8a	5.855	136	2313139	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.801	112	661673	33.78	ppb	0.00
Spiked Amount 50.000			Recovery =	67.56%		
8) Phenol-d5	4.512	99	783889	32.50	ppb	0.00
Spiked Amount 50.000			Recovery =	65.00%		
25) Nitrobenzene-d5	5.197	82	671387	32.46	ppb	0.00
Spiked Amount 50.000			Recovery =	64.92%		
51) 2-Fluorobiphenyl	7.058	172	1248743	35.20	ppb	0.00
Spiked Amount 50.000			Recovery =	70.40%		
73) 2,4,6-Tribromophenol	9.080	330	120699	47.70	ppb	0.00
Spiked Amount 50.000			Recovery =	95.40%		
85) Terphenyl-d14	12.669	244	1013541	41.89	ppb	0.00
Spiked Amount 50.000			Recovery =	83.78%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.346	88	177254	17.78	ppb	96
3) Pyridine	2.667	79	599054	24.67	ppb	97
4) N-Nitrosodimethylamine	2.630	74	424171	31.69	ppb	89
6) Indene	4.956	116	1032010	27.88	ppb	99
7) Cumene	4.159	105	1352430	25.54	ppb	100
9) Phenol	4.518	94	743104	26.87	ppb	84
10) Aniline	4.507	93	682051	21.07	ppb	97
11) bis(2-Chloroethyl)ether	4.550	93	699181	35.37	ppb	99
12) 2-Chlorophenol	4.609	128	565201	26.91	ppb	99
13) Decane	4.625	43	471811	23.66	ppb	97
14) 1,3-Dichlorobenzene	4.710	146	726864	32.01	ppb	99
15) 1,4-Dichlorobenzene	4.769	146	727260	32.01	ppb	98
16) Benzyl alcohol	4.865	108	504012	36.20	ppb	93
17) 1,2-Dichlorobenzene	4.887	146	703086	33.28	ppb	99
18) Acetophenone	5.069	105	842362	29.49	ppb	91
19) 2-Methylphenol	4.972	108	507882	26.92	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.962	45	754189	32.68	ppb	97
21) 3&4-Methylphenol	5.095	108	565766	30.68	ppb	100
22) n-Nitroso-di-n-propyla...	5.069	70	436572	35.41	ppb	97
23) Hexachloroethane	5.160	201	200229	34.19	ppb	89
26) Nitrobenzene	5.213	77	702942	32.42	ppb	98
27) Quinoline	6.219	129	1332583	28.06	ppb	99
28) Isophorone	5.416	82	1250834	31.71	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63913.D
Acq On : 28 May 2014 12:40 am
Operator : ashleyd
Sample : op75114-msd
Misc : op75114,E2M2711,34.2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 11:38:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.497	139	294588	27.19	ppb		94
30) 2,4-Dimethylphenol	5.539	107	520413	28.22	ppb		98
31) Benzoic acid	5.625	105	79356m	5.97	ppb		
32) bis(2-Chloroethoxy)met...	5.609	93	808531	34.04	ppb		99
33) 2,4-Dichlorophenol	5.732	162	439479	28.14	ppb		98
34) 2,6-Dichlorophenol	5.946	162	422115	27.18	ppb		99
36) 1,2,4-Trichlorobenzene	5.801	180	565450	33.31	ppb		99
38) Naphthalene	5.876	128	1885613	28.80	ppb		100
39) 4-Chloroaniline	5.930	127	584593	22.19	ppb		99
40) 2,3-Dichloroaniline	6.957	161	572852	27.72	ppb		99
41) Caprolactam	6.288	55	251242	27.99	ppb		97
42) Hexachlorobutadiene	5.999	225	251888	35.36	ppb		98
43) 4-Chloro-3-methylphenol	6.475	107	458523	27.34	ppb		98
44) 2-Methylnaphthalene	6.614	141	1093878	30.67	ppb		97
45) 1-Methylnaphthalene	6.732	142	1256902	27.87	ppb		98
46) Dimethylnaphthalene	7.385	156	1097865	28.55	ppb		98
48) Hexachlorocyclopentadiene	6.807	237	228256	36.81	ppb		99
49) 2,4,6-Trichlorophenol	6.973	196	268493	32.05	ppb		98
50) 2,4,5-Trichlorophenol	7.032	196	285977	31.09	ppb		97
52) 2-Chloronaphthalene	7.208	162	1177580	35.07	ppb		99
53) Biphenyl	7.181	154	1483108	30.12	ppb		99
54) 2-Nitroaniline	7.347	65	361024	40.17	ppb		97
55) Dimethylphthalate	7.588	163	1344810	38.12	ppb		100
56) Acenaphthylene	7.748	152	1796661	31.94	ppb		100
57) 2,6-Dinitrotoluene	7.668	165	317085	41.97	ppb		94
58) 3-Nitroaniline	7.903	138	322202	32.31	ppb		98
59) Acenaphthene	7.989	153	1271961	36.53	ppb		100
60) 2,4-Dinitrophenol	8.053	184	126543	30.07	ppb	#	90
61) 4-Nitrophenol	8.214	109	123826	30.11	ppb	#	1
62) Dibenzofuran	8.230	168	1520136	33.32	ppb		96
63) 2,4-Dinitrotoluene	8.235	165	383216	38.80	ppb		97
64) 2,3,4,6-Tetrachlorophenol	8.428	232	186511	30.83	ppb		98
65) Diethylphthalate	8.588	149	1331600	37.92	ppb		99
66) Fluorene	8.722	166	1308341	35.99	ppb		99
67) 4-Chlorophenyl-phenyle...	8.733	204	537858	37.43	ppb		99
68) 4-Nitroaniline	8.775	138	371743	35.71	ppb		96
70) 4,6-Dinitro-2-methylph...	8.829	198	122788	24.21	ppb		99
71) n-Nitrosodiphenylamine	8.914	169	933414	38.91	ppb		97
72) 1,2-Diphenylhydrazine	8.963	77	1358237	35.16	ppb		98
74) 4-Bromophenyl-phenylether	9.455	248	286365	42.83	ppb		99
75) Hexachlorobenzene	9.551	284	276760	39.29	ppb		96
76) Pentachlorophenol	9.872	266	110041	25.64	ppb		97
77) Phenanthrene	10.161	178	1939285	36.93	ppb		99
78) Anthracene	10.235	178	1944734	37.34	ppb		99
79) Carbazole	10.514	167	1737981	31.87	ppb		99
80) Di-n-butylphthalate	11.118	149	2241299	39.78	ppb		100
81) Fluoranthene	12.027	202	1764476	38.10	ppb		96
82) Octadecane	10.054	57	775944	31.30	ppb		97
84) Pyrene	12.375	202	1856209	41.97	ppb		99
86) Butylbenzylphthalate	13.493	149	940764	45.67	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63913.D
Acq On : 28 May 2014 12:40 am
Operator : ashleyd
Sample : op75114-msd
Misc : op75114,E2M2711,34.2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 11:38:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration

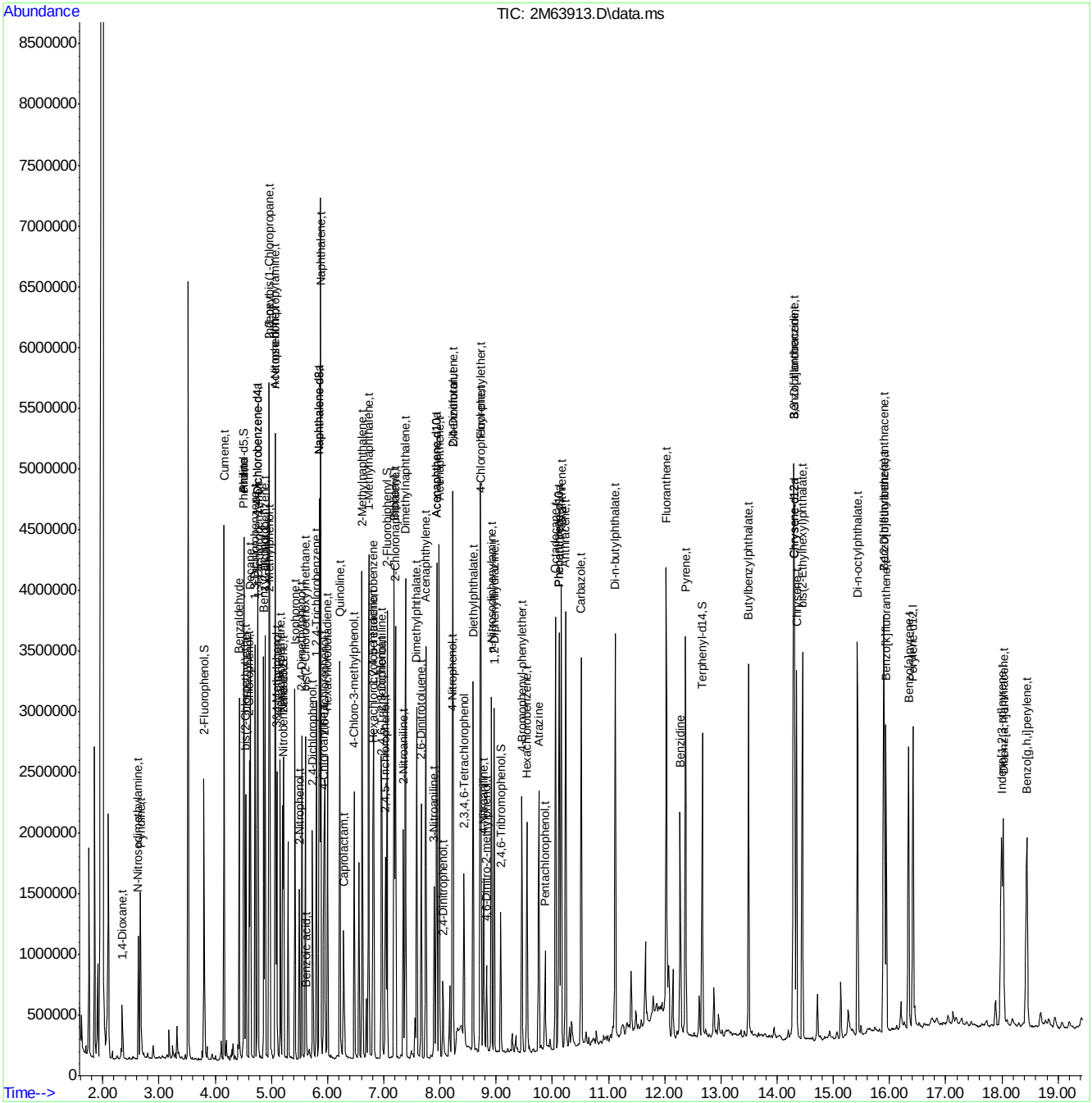
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
88) Benzo[a]anthracene	14.290	228	1236605	36.87 ppb	100
89) 3,3'-Dichlorobenzidine	14.295	252	640140	64.45 ppb	98
90) Chrysene	14.349	228	1358901	39.76 ppb	100
91) bis(2-Ethylhexyl)phtha...	14.450	149	1287435	47.41 ppb	99
93) Di-n-octylphthalate	15.429	149	2200671	41.12 ppb	99
94) Benzo[b]fluoranthene	15.905	252	1246582	39.93 ppb	96
95) Benzo[k]fluoranthene	15.942	252	1210898m	34.17 ppb	
96) Benzo[a]pyrene	16.344	252	1191512	42.02 ppb	95
97) Indeno[1,2,3-cd]pyrene	17.991	276	1319956	39.76 ppb	90
99) Dibenz[a,h]anthracene	18.028	278	1156486	40.57 ppb	97
100) 7,12-Dimethylbenz(a)an...	15.900	256	490576	30.72 ppb	97
101) Benzo[g,h,i]perylene	18.446	276	1135493	41.30 ppb	97
103) Benzaldehyde	4.427	105	517733	32.99 ppb	100
105) 1,2,4,5-Tetrachloroben...	6.823	216	456352	36.31 ppb	98
107) Benzidine	12.273	184	1077323	41.45 ppb	99
109) Atrazine	9.759	215	153772	39.65 ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63913.D
Acq On : 28 May 2014 12:40 am
Operator : ashleyd
Sample : op75114-msd
Misc : op75114,E2M2711,34.2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 11:38:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

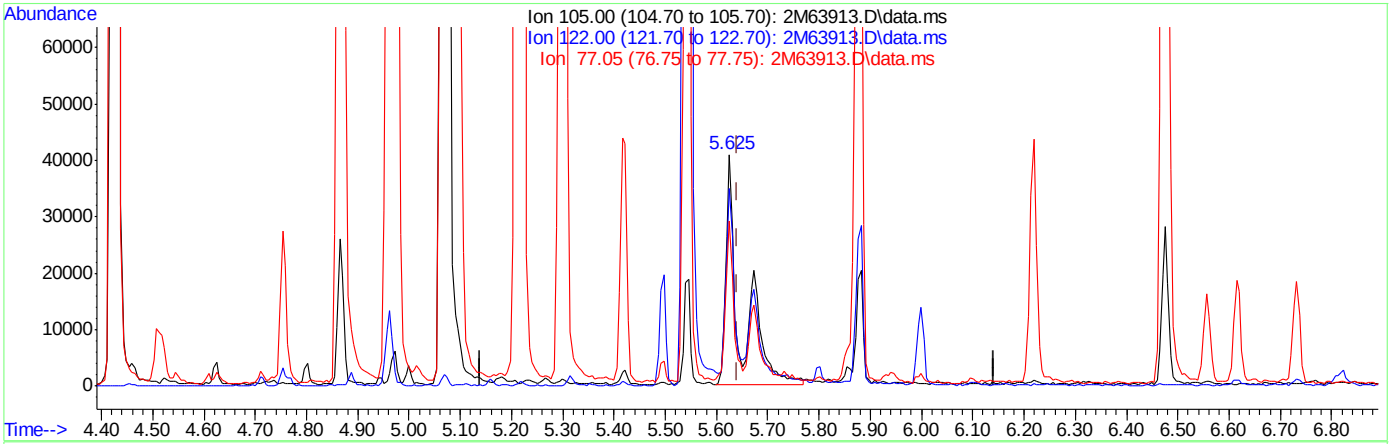
Sample Number:	OP75114-MSD	**Method:**	SW846 8270D
Lab FileID:	2M63913.D	**Analyst approved:**	06/03/14 12:12 Cheng-Hwan Ao
Injection Time:	05/28/14 00:40	**Supervisor approved:**	06/03/14 13:58 Cheng-Hwan Ao

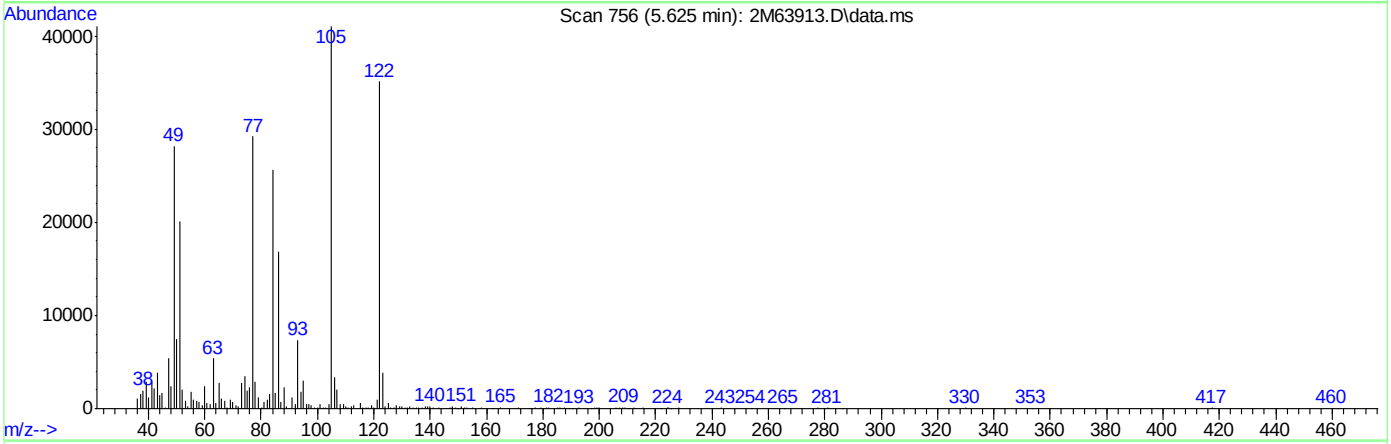
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.62	Poorly defined baseline
Benzo(k)fluoranthene	207-08-9		15.94	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63913.D
Acq On : 28 May 2014 12:40 am
Operator : ashleyd
Sample : op75114-msd
Misc : op75114,E2M2711,34.2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 14:53:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration





TIC: 2M63913.D\data.ms

(31) Benzoic acid (t)

5.625min (-0.016) 5.97ppb m

response 79356

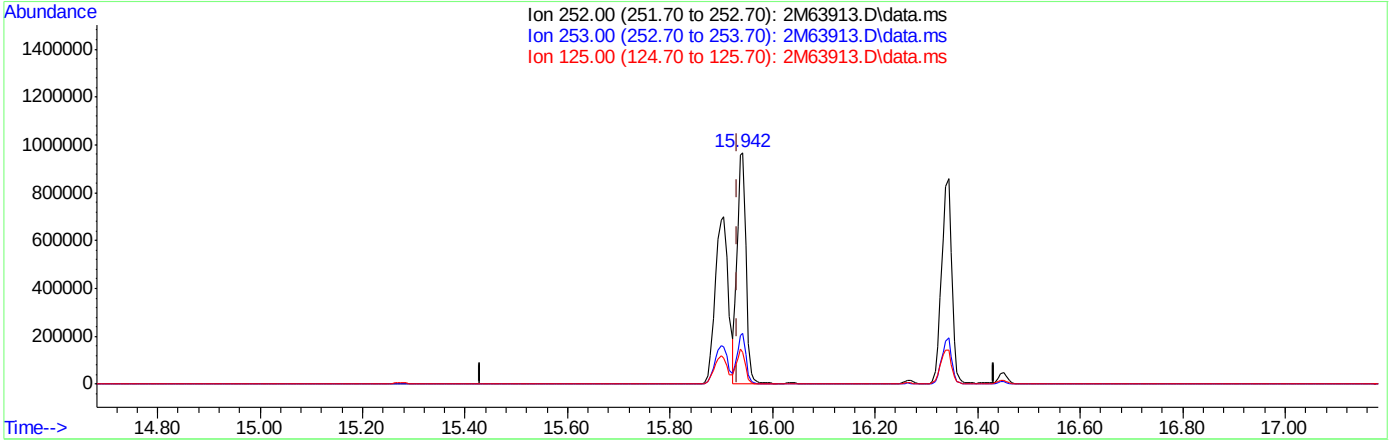
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	85.56
77.05	69.90	71.14
0.00	0.00	0.00

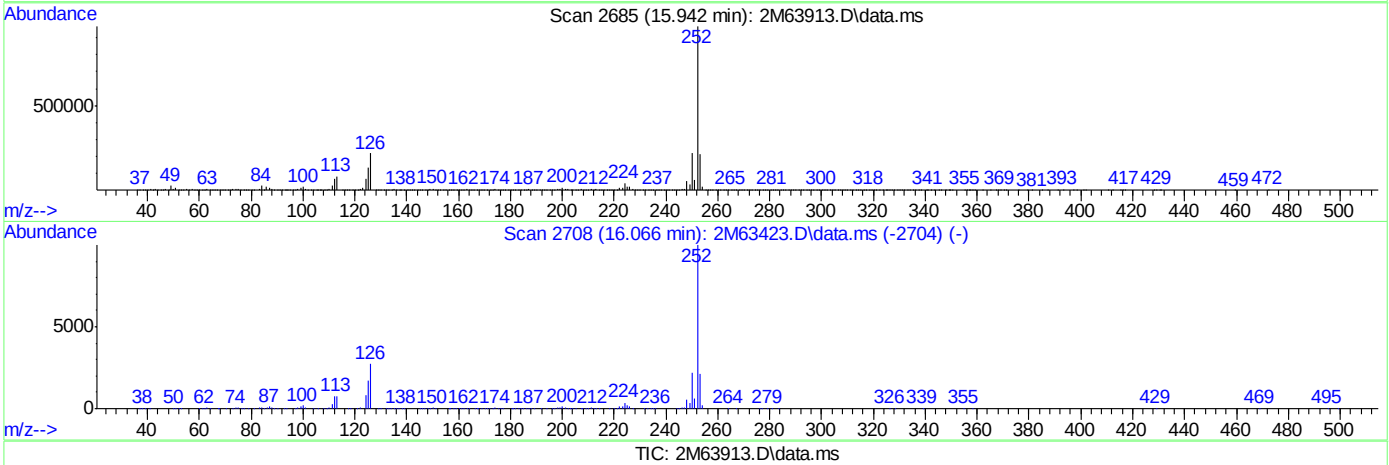
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63913.D
Acq On : 28 May 2014 12:40 am
Operator : ashleyd
Sample : op75114-msd
Misc : op75114,E2M2711,34.2
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 03 11:38:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 28 13:23:03 2014
QLast Update : Wed May 28 13:23:03 2014
Response via : Initial Calibration





TIC: 2M63913.D\data.ms

(95) Benzo[k]fluoranthene (t)

15.942min (+0.011) 34.17ppb m

response 1210898

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.83
125.00	17.40	13.85
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91928.D
Acq On : 29 May 2014 12:00 am
Operator : ashleyd
Sample : op75133-ms
Misc : op75133,ez4575,500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 15:23:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	282804	40.00	ppb	0.00
24) Naphthalene-d8	5.105	136	1106470	40.00	ppb	0.00
47) Acenaphthene-d10	7.162	164	611122	40.00	ppb	0.00
69) Phenanthrene-d10	8.962	188	1017635	40.00	ppb	0.00
83) Chrysene-d12	12.702	240	972015	40.00	ppb	0.00
92) Perylene-d12	14.753	264	908367	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.759	152	282804	40.00	ppb	0.00
104) Phenanthrene-d10a	8.962	188	1017635	40.00	ppb	0.00
107) Chrysene-d12a	12.702	240	972015	40.00	ppb	0.00
110) Acenaphthene-d10a	7.162	164	611122	40.00	ppb	0.00
112) Naphthalene-d8a	5.105	136	1106470	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	333019	34.46	ppb	0.00
Spiked Amount 50.000			Recovery = 68.92%			
8) Phenol-d5	3.417	99	321835	26.44	ppb	0.00
Spiked Amount 50.000			Recovery = 52.88%			
25) Nitrobenzene-d5	4.320	82	483928	49.63	ppb	0.00
Spiked Amount 50.000			Recovery = 99.26%			
51) 2-Fluorobiphenyl	6.371	172	901435	46.53	ppb	0.00
Spiked Amount 50.000			Recovery = 93.06%			
73) 2,4,6-Tribromophenol	8.118	330	142877	57.46	ppb	0.00
Spiked Amount 50.000			Recovery = 114.92%			
86) Terphenyl-d14	11.169	244	1037678	53.08	ppb	0.00
Spiked Amount 50.000			Recovery = 106.16%			
106) 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	1.734	88	134984	27.88	ppb	99
3) Pyridine	1.894	79	344671	27.47	ppb	99
4) N-Nitrosodimethylamine	1.868	74	238524	35.17	ppb	97
6) Indene	4.015	116	785359	41.01	ppb	97
7) Cumene	3.054	105	1034381	38.19	ppb	100
9) Phenol	3.428	94	281210	20.59	ppb	90
10) Aniline	3.454	93	299422	20.17	ppb	78
11) bis(2-Chloroethyl)ether	3.497	93	477772	49.90	ppb	98
12) 2-Chlorophenol	3.567	128	368825	33.87	ppb	98
13) Decane	3.593	43	440154	33.98	ppb	95
14) 1,3-Dichlorobenzene	3.711	146	498488	42.50	ppb	98
15) 1,4-Dichlorobenzene	3.775	146	513690	42.76	ppb	99
16) Benzyl alcohol	3.898	108	305180	46.53	ppb	97
17) 1,2-Dichlorobenzene	3.930	146	493449	43.82	ppb	99
18) Acetophenone	4.160	105	649254	41.47	ppb	96
19) 2-Methylphenol	4.015	108	288337	31.44	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.026	121	153407	48.50	ppb	99
21) 3&4-Methylphenol	4.170	108	300862	30.56	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91928.D
Acq On : 29 May 2014 12:00 am
Operator : ashleyd
Sample : op75133-ms
Misc : op75133,ez4575,500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 15:23:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.160	70	341964	49.56	ppb		97
23) Hexachloroethane	4.272	201	163751	44.09	ppb		98
26) Nitrobenzene	4.341	77	518244	48.08	ppb		97
27) Quinoline	5.511	129	912835	41.19	ppb		100
28) Isophorone	4.592	82	876545	49.23	ppb		99
29) 2-Nitrophenol	4.683	139	207143	41.04	ppb		82
30) 2,4-Dimethylphenol	4.747	107	349421	41.51	ppb		97
31) Benzoic Acid	4.865	105	108378	23.01	ppb	#	64
32) bis(2-Chloroethoxy)met...	4.838	93	568183	52.49	ppb		99
33) 2,4-Dichlorophenol	4.956	162	297302	38.52	ppb		99
34) 2,6-Dichlorophenol	5.212	162	288917	38.17	ppb		100
36) 1,2,4-Trichlorobenzene	5.041	180	419783	45.67	ppb		98
38) Naphthalene	5.127	128	1409069	45.66	ppb		100
39) 4-Chloroaniline	5.201	127	260314	21.39	ppb		99
40) 2,3-Dichloroaniline	6.270	161	410194	38.82	ppb		99
41) Caprolactam	5.581	55	91778	17.85	ppb		95
42) Hexachlorobutadiene	5.281	225	224743	45.24	ppb		98
43) 4-Chloro-3-methylphenol	5.789	107	311032	37.93	ppb		99
44) 2-Methylnaphthalene	5.928	141	799733	47.70	ppb		97
45) 1-Methylnaphthalene	6.040	141	763976	41.36	ppb		99
46) Dimethylnaphthalene	6.670	156	793528	42.41	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	442088	91.51	ppb		98
49) 2,4,6-Trichlorophenol	6.275	196	209913	39.58	ppb		98
50) 2,4,5-Trichlorophenol	6.323	196	227152	40.38	ppb		97
52) 2-Chloronaphthalene	6.500	162	854579	47.01	ppb		100
53) Biphenyl	6.483	154	1067005	41.28	ppb		99
54) 2-Nitroaniline	6.638	65	268752	53.91	ppb		94
55) Dimethylphthalate	6.868	163	1001412	51.58	ppb		99
56) Acenaphthylene	6.991	152	1246639	43.65	ppb		99
57) 2,6-Dinitrotoluene	6.932	165	222668	55.96	ppb		98
58) 3-Nitroaniline	7.130	138	139404	27.72	ppb		93
59) Acenaphthene	7.199	153	898345	49.71	ppb		100
60) 2,4-Dinitrophenol	7.258	184	221142	83.60	ppb		96
61) 4-Nitrophenol	7.381	109	65317	28.71	ppb	#	58
62) Dibenzofuran	7.413	168	1182854	47.18	ppb		91
63) 2,4-Dinitrotoluene	7.413	165	299086	55.07	ppb		66
64) 2,3,4,6-Tetrachlorophenol	7.573	232	178705	39.24	ppb		99
65) Diethylphthalate	7.723	149	997848	52.80	ppb		99
66) Fluorene	7.819	166	991065	50.55	ppb		98
67) 4-Chlorophenyl-phenyle...	7.835	204	466836	50.88	ppb		96
68) 4-Nitroaniline	7.872	138	261697	51.93	ppb		95
70) 4,6-Dinitro-2-methylph...	7.905	198	127665	39.08	ppb		98
71) n-Nitrosodiphenylamine	7.985	169	685290	53.15	ppb		100
72) 1,2-Diphenylhydrazine	8.022	77	1026055	51.18	ppb		96
74) 4-Bromophenyl-phenylether	8.423	248	280195	53.62	ppb		96
75) Hexachlorobenzene	8.492	284	316373	50.75	ppb		99
76) Pentachlorophenol	8.749	266	138509	43.70	ppb		98
77) Phenanthrene	8.994	178	1448297	48.93	ppb		99
78) Anthracene	9.058	178	1474539	51.39	ppb		100
79) Carbazole	9.283	167	1349171	45.40	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91928.D
Acq On : 29 May 2014 12:00 am
Operator : ashleyd
Sample : op75133-ms
Misc : op75133,ez4575,500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 15:23:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

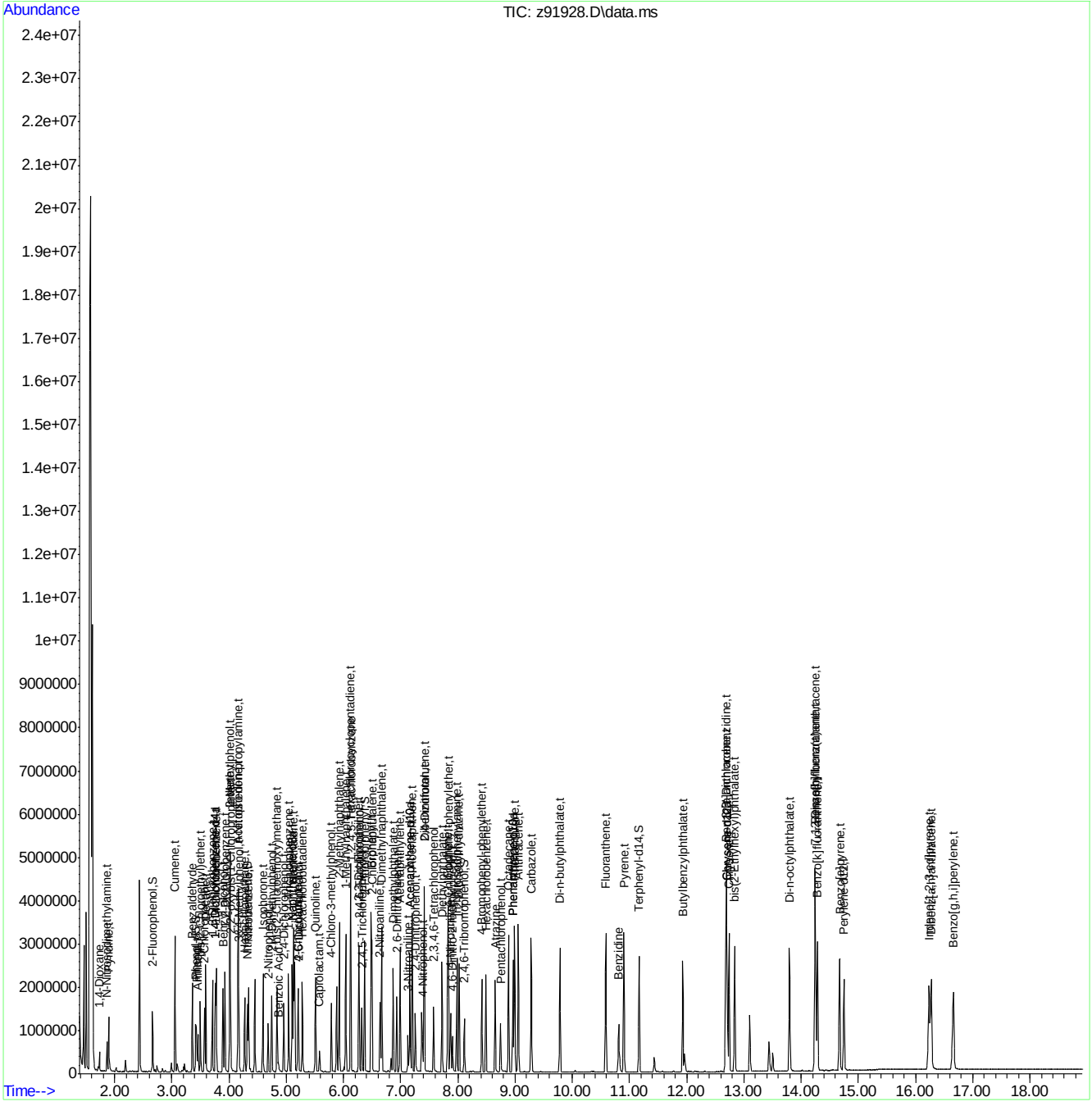
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Di-n-butylphthalate	9.785	149	1701181	58.28	ppb		100
81)	Fluoranthene	10.586	202	1502527	52.14	ppb		97
82)	Octadecane	8.887	57	616849	44.14	ppb		98
84)	Pyrene	10.902	202	1564711	52.80	ppb		100
87)	Butylbenzylphthalate	11.933	149	734661	61.47	ppb		99
88)	Benzo[a]anthracene	12.686	228	1420868	53.15	ppb		100
89)	3,3'-Dichlorobenzidine	12.691	252	437025	49.73	ppb		99
90)	Chrysene	12.745	228	1411788	53.20	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.841	149	1022609	62.99	ppb		100
93)	Di-n-octylphthalate	13.797	149	1750776	56.59	ppb		100
94)	Benzo[b]fluoranthene	14.246	252	1454876	53.75	ppb		98
95)	Benzo[k]fluoranthene	14.283	252	1454431	52.02	ppb		98
96)	Benzo[a]pyrene	14.678	252	1302766	54.18	ppb		96
97)	Indeno[1,2,3-cd]pyrene	16.238	276	1290219	55.62	ppb		97
99)	Dibenz[a,h]anthracene	16.276	278	1356074	55.44	ppb		97
100)	7,12-Dimethylbenz(a)an...	14.251	256	645802	61.26	ppb		98
101)	Benzo[g,h,i]perylene	16.660	276	1314786	54.41	ppb		96
103)	Benzaldehyde	3.358	105	395091	60.38	ppb	#	84
105)	Atrazine	8.658	215	136089	62.36	ppb	#	75
108)	Benzidine	10.811	184	486211	48.72	ppb		99
111)	1,2,4,5-Tetrachloroben...	6.131	216	386328	53.19	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91928.D
Acq On : 29 May 2014 12:00 am
Operator : ashleyd
Sample : op75133-ms
Misc : op75133,ez4575,500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 15:23:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91929.D
Acq On : 29 May 2014 12:25 am
Operator : ashleyd
Sample : op75133-msd
Misc : op75133,ez4575,500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 30 16:26:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	284203	40.00	ppb	0.00
24) Naphthalene-d8	5.105	136	1098293	40.00	ppb	0.00
47) Acenaphthene-d10	7.162	164	592566	40.00	ppb	0.00
69) Phenanthrene-d10	8.962	188	974923	40.00	ppb	0.00
83) Chrysene-d12	12.702	240	920842	40.00	ppb	0.00
92) Perylene-d12	14.753	264	880595	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.759	152	284203	40.00	ppb	0.00
104) Phenanthrene-d10a	8.962	188	974923	40.00	ppb	0.00
107) Chrysene-d12a	12.702	240	920842	40.00	ppb	0.00
110) Acenaphthene-d10a	7.162	164	592566	40.00	ppb	0.00
112) Naphthalene-d8a	5.105	136	1098293	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	336727	34.67	ppb	0.00
Spiked Amount 50.000			Recovery = 69.34%			
8) Phenol-d5	3.417	99	325263	26.59	ppb	0.00
Spiked Amount 50.000			Recovery = 53.18%			
25) Nitrobenzene-d5	4.320	82	482569	49.86	ppb	0.00
Spiked Amount 50.000			Recovery = 99.72%			
51) 2-Fluorobiphenyl	6.371	172	889538	47.35	ppb	0.00
Spiked Amount 50.000			Recovery = 94.70%			
73) 2,4,6-Tribromophenol	8.113	330	141539	59.41	ppb	0.00
Spiked Amount 50.000			Recovery = 118.82%			
86) Terphenyl-d14	11.169	244	992573	53.60	ppb	0.00
Spiked Amount 50.000			Recovery = 107.20%			
106) 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	1.734	88	137625	28.28	ppb	99
3) Pyridine	1.895	79	385251	30.56	ppb	99
4) N-Nitrosodimethylamine	1.868	74	243091	35.67	ppb	98
6) Indene	4.016	116	780854	40.58	ppb	98
7) Cumene	3.054	105	1035563	38.04	ppb	100
9) Phenol	3.428	94	284958	20.76	ppb	91
10) Aniline	3.455	93	265304	17.79	ppb	79
11) bis(2-Chloroethyl)ether	3.497	93	482584	50.15	ppb	97
12) 2-Chlorophenol	3.567	128	369574	33.77	ppb	98
13) Decane	3.593	43	438476	33.69	ppb	95
14) 1,3-Dichlorobenzene	3.711	146	514893	43.68	ppb	98
15) 1,4-Dichlorobenzene	3.775	146	520399	43.10	ppb	99
16) Benzyl alcohol	3.893	108	304170	46.14	ppb	95
17) 1,2-Dichlorobenzene	3.930	146	502064	44.37	ppb	100
18) Acetophenone	4.160	105	646223	41.07	ppb	96
19) 2-Methylphenol	4.016	108	287524	31.20	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.026	121	154085	48.47	ppb	95
21) 3&4-Methylphenol	4.170	108	299516	30.28	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91929.D
Acq On : 29 May 2014 12:25 am
Operator : ashleyd
Sample : op75133-msd
Misc : op75133,ez4575,500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 30 16:26:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.160	70	340973	49.17	ppb		98
23) Hexachloroethane	4.272	201	166147	44.52	ppb		96
26) Nitrobenzene	4.341	77	520736	48.67	ppb		97
27) Quinoline	5.511	129	901331	40.97	ppb		98
28) Isophorone	4.592	82	886405	50.16	ppb		98
29) 2-Nitrophenol	4.683	139	207939	41.51	ppb		83
30) 2,4-Dimethylphenol	4.742	107	349351	41.81	ppb		98
31) Benzoic Acid	4.860	105	99999	21.39	ppb	#	66
32) bis(2-Chloroethoxy)met...	4.838	93	567943	52.86	ppb		100
33) 2,4-Dichlorophenol	4.956	162	300609	39.24	ppb		98
34) 2,6-Dichlorophenol	5.207	162	293104	39.01	ppb		99
36) 1,2,4-Trichlorobenzene	5.041	180	419962	46.03	ppb		100
38) Naphthalene	5.127	128	1419953	46.35	ppb		99
39) 4-Chloroaniline	5.202	127	218465	18.08	ppb		99
40) 2,3-Dichloroaniline	6.270	161	403914	38.51	ppb		99
41) Caprolactam	5.581	55	88357	17.31	ppb		95
42) Hexachlorobutadiene	5.282	225	228178	46.28	ppb		98
43) 4-Chloro-3-methylphenol	5.789	107	307814	37.82	ppb		99
44) 2-Methylnaphthalene	5.928	141	788436	47.38	ppb		99
45) 1-Methylnaphthalene	6.040	141	756527	41.27	ppb		100
46) Dimethylnaphthalene	6.665	156	780779	42.03	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	429250	91.63	ppb		99
49) 2,4,6-Trichlorophenol	6.275	196	208327	40.51	ppb		100
50) 2,4,5-Trichlorophenol	6.318	196	227063	41.63	ppb		98
52) 2-Chloronaphthalene	6.500	162	845256	47.95	ppb		99
53) Biphenyl	6.484	154	1040318	41.51	ppb		99
54) 2-Nitroaniline	6.639	65	262586	54.32	ppb		95
55) Dimethylphthalate	6.868	163	978082	51.96	ppb		99
56) Acenaphthylene	6.991	152	1226008	44.27	ppb		100
57) 2,6-Dinitrotoluene	6.932	165	225453	58.44	ppb		94
58) 3-Nitroaniline	7.130	138	117355	24.07	ppb		92
59) Acenaphthene	7.199	153	882272	50.35	ppb		99
60) 2,4-Dinitrophenol	7.253	184	214255	83.54	ppb		86
61) 4-Nitrophenol	7.381	109	61925	28.07	ppb	#	54
62) Dibenzofuran	7.408	168	1168583	48.07	ppb		88
63) 2,4-Dinitrotoluene	7.413	165	290955	55.25	ppb		73
64) 2,3,4,6-Tetrachlorophenol	7.573	232	175597	39.76	ppb		98
65) Diethylphthalate	7.723	149	977040	53.32	ppb		99
66) Fluorene	7.819	166	982269	51.67	ppb		98
67) 4-Chlorophenyl-phenyle...	7.835	204	462146	51.95	ppb		97
68) 4-Nitroaniline	7.873	138	254031	51.98	ppb		95
70) 4,6-Dinitro-2-methylph...	7.905	198	126268	40.35	ppb		97
71) n-Nitrosodiphenylamine	7.985	169	668481	54.12	ppb		100
72) 1,2-Diphenylhydrazine	8.022	77	1002279	52.18	ppb		96
74) 4-Bromophenyl-phenylether	8.423	248	275003	54.94	ppb		98
75) Hexachlorobenzene	8.492	284	313878	52.55	ppb		96
76) Pentachlorophenol	8.743	266	136024	44.79	ppb		98
77) Phenanthrene	8.989	178	1409015	49.69	ppb		99
78) Anthracene	9.059	178	1443795	52.53	ppb		100
79) Carbazole	9.283	167	1302813	45.76	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91929.D
Acq On : 29 May 2014 12:25 am
Operator : ashleyd
Sample : op75133-msd
Misc : op75133,ez4575,500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 30 16:26:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration

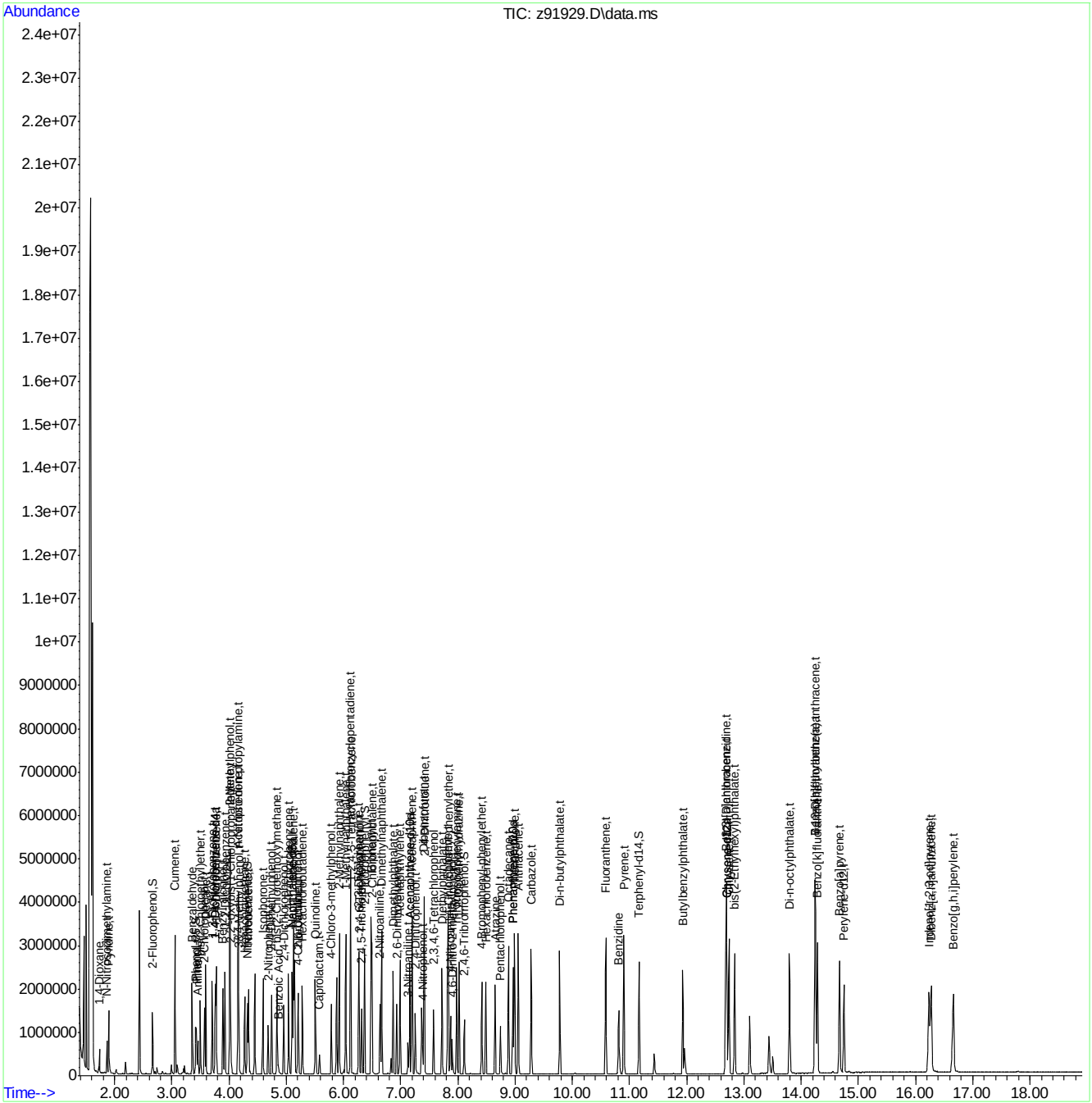
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Di-n-butylphthalate	9.780	149	1645512	58.84	ppb		99
81)	Fluoranthene	10.586	202	1462996	52.99	ppb		96
82)	Octadecane	8.882	57	599752	44.80	ppb		95
84)	Pyrene	10.902	202	1530332	54.51	ppb		99
87)	Butylbenzylphthalate	11.933	149	703257	62.11	ppb		98
88)	Benzo[a]anthracene	12.686	228	1361779	53.77	ppb		99
89)	3,3'-Dichlorobenzidine	12.691	252	361053	43.37	ppb		99
90)	Chrysene	12.739	228	1354463	53.88	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.841	149	977611	63.57	ppb		99
93)	Di-n-octylphthalate	13.797	149	1668415	55.76	ppb		100
94)	Benzo[b]fluoranthene	14.246	252	1421099	54.15	ppb		97
95)	Benzo[k]fluoranthene	14.283	252	1399612	51.63	ppb		99
96)	Benzo[a]pyrene	14.673	252	1289585	55.32	ppb		98
97)	Indeno[1,2,3-cd]pyrene	16.239	276	1292569	57.48	ppb		95
99)	Dibenz[a,h]anthracene	16.276	278	1335524	56.32	ppb		97
100)	7,12-Dimethylbenz(a)an...	14.246	256	613695	60.05	ppb		100
101)	Benzo[g,h,i]perylene	16.661	276	1300811	55.53	ppb		96
103)	Benzaldehyde	3.358	105	400675	60.93	ppb	#	84
105)	Atrazine	8.653	215	133455	63.83	ppb	#	74
108)	Benzidine	10.811	184	677790	71.70	ppb		98
111)	1,2,4,5-Tetrachloroben...	6.131	216	379410	53.87	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91929.D
Acq On : 29 May 2014 12:25 am
Operator : ashleyd
Sample : op75133-msd
Misc : op75133,ez4575,500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 30 16:26:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu May 29 15:22:08 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
06/05/14 12:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.052	152	1110390	40.00	ppb		0.00
24) Naphthalene-d8	6.138	136	4565984	40.00	ppb		0.00
47) Acenaphthene-d10	8.123	164	2783185	40.00	ppb		0.02
69) Phenanthrene-d10	10.278	188	4801359	40.00	ppb		0.04
83) Chrysene-d12	14.514	240	5397924	40.00	ppb		0.10
92) Perylene-d12	16.659	264	5488021	40.00	ppb		0.13
102) 1,4-Dichlorobenzene-d4a	5.052	152	1110390	40.00	ppb		0.00
104) Phenanthrene-d10a	10.278	188	4801359	40.00	ppb		0.04
106) Chrysene-d12a	14.514	240	5397924	40.00	ppb		0.10
108) Acenaphthene-d10a	8.123	164	2774318	40.00	ppb		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.817	112	307477	7.68	ppb		0.01
Spiked Amount 50.000			Recovery = 15.36%				
8) Phenol-d5	4.822	99	484617	8.47	ppb		0.00
Spiked Amount 50.000			Recovery = 16.94%				
25) Nitrobenzene-d5	5.523	82	564356	9.36	ppb		0.00
Spiked Amount 50.000			Recovery = 18.72%				
51) 2-Fluorobiphenyl	7.288	172	870561	10.65	ppb		0.00
Spiked Amount 50.000			Recovery = 21.30%				
73) 2,4,6-Tribromophenol	9.251	330	155458	12.51	ppb		0.03
Spiked Amount 50.000			Recovery = 25.02%				
86) Terphenyl-d14	12.888	244	1158515	11.05	ppb		0.09
Spiked Amount 50.000			Recovery = 22.10%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.538	88	49150	2.56	ppb		81
3) Pyridine	1.849	79	241943m	4.81	ppb		
4) N-Nitrosodimethylamine	1.816	74	152587	5.17	ppb		72
6) Indene	5.266	116	668420	8.99	ppb		97
7) Cumene	4.304	105	843118	7.15	ppb		96
9) Phenol	4.833	94	548869	8.30	ppb		84
10) Aniline	4.780	93	298470	4.09	ppb		96
11) bis(2-Chloroethyl)ether	4.849	93	456634	9.85	ppb		96
12) 2-Chlorophenol	4.887	128	363217	9.59	ppb		94
13) Decane	4.945	43	288599	10.32	ppb		83
14) 1,3-Dichlorobenzene	4.999	146	370968	9.23	ppb		96
15) 1,4-Dichlorobenzene	5.068	146	391330	9.68	ppb		91
16) Benzyl alcohol	5.202	108	290859	10.44	ppb		87
17) 1,2-Dichlorobenzene	5.197	146	382162	10.12	ppb		87
18) Acetophenone	5.405	105	676822	9.71	ppb		87
19) 2-Methylphenol	5.331	108	394132	10.17	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.309	121	122576	9.23	ppb	#	43
21) 3&4-Methylphenol	5.459	108	404964	9.73	ppb		100
22) n-Nitroso-di-n-propyla...	5.416	70	519666	13.89	ppb		85
23) Hexachloroethane	5.464	201	115919	8.53	ppb		96
26) Nitrobenzene	5.539	77	639535	10.32	ppb		93
27) Quinoline	6.486	129	906894	11.34	ppb		99
28) Isophorone	5.742	82	1037027	10.10	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.812	139	240663	12.15	ppb	#	1
30) 2,4-Dimethylphenol	5.887	107	469715	10.05	ppb		99
31) Benzoic Acid	5.951	105	523440	22.01	ppb		81
32) bis(2-Chloroethoxy)met...	5.946	93	853277	15.08	ppb		92
33) 2,4-Dichlorophenol	6.053	162	245413	8.62	ppb		95
34) 2,6-Dichlorophenol	6.411	162	320704	11.08	ppb		72
36) 1,2,4-Trichlorobenzene	6.095	180	331882	10.04	ppb		95
38) Naphthalene	6.160	128	1444045	12.48	ppb		94
39) 4-Chloroaniline	6.234	127	309205	6.34	ppb		94
40) 2,3-Dichloroaniline	7.187	161	640887	16.22	ppb		80
41) Caprolactam	6.604	55	738397	45.02	ppb		85
42) Hexachlorobutadiene	6.288	225	212581	11.39	ppb		96
43) 4-Chloro-3-methylphenol	6.764	107	636478	14.69	ppb		90
44) 2-Methylnaphthalene	6.860	141	760729	11.69	ppb	#	77
45) 1-Methylnaphthalene	6.967	141	858564	12.86	ppb	#	80
46) Dimethylnaphthalene	7.593	156	776170	10.76	ppb		98
49) 2,4,6-Trichlorophenol	7.208	196	271889	12.58	ppb		90
50) 2,4,5-Trichlorophenol	7.272	196	276510	12.16	ppb		96
52) 2-Chloronaphthalene	7.417	162	803098	10.97	ppb		95
53) Biphenyl	7.400	154	1106269	10.97	ppb		94
54) 2-Nitroaniline	7.561	65	380601m	11.80	ppb		
55) Dimethylphthalate	7.807	163	924571	11.29	ppb		94
56) Acenaphthylene	7.930	152	1689109	14.19	ppb		89
57) 2,6-Dinitrotoluene	7.887	165	308941	16.44	ppb	#	69
58) 3-Nitroaniline	8.101	138	398474	18.73	ppb	#	37
59) Acenaphthene	8.165	153	1706064	22.69	ppb		98
60) 2,4-Dinitrophenol	8.294	184	11856	1.09	ppb	#	28
61) 4-Nitrophenol	8.427	109	16949	0.98	ppb	#	8
62) Dibenzofuran	8.401	168	2831357	27.50	ppb		96
63) 2,4-Dinitrotoluene	8.465	165	262964	10.16	ppb		86
64) 2,3,4,6-Tetrachlorophenol	8.625	232	177693	9.40	ppb	#	44
65) Diethylphthalate	8.791	149	959003	11.03	ppb		96
66) Fluorene	8.887	166	4174397	49.03	ppb		98
67) 4-Chlorophenyl-phenyle...	8.909	204	508825	13.61	ppb	#	33
68) 4-Nitroaniline	8.962	138	201859	9.73	ppb	#	61
70) 4,6-Dinitro-2-methylph...	8.877	198	83963	5.48	ppb		65
71) n-Nitrosodiphenylamine	8.984	169	4011897	67.66	ppb		63
72) 1,2-Diphenylhydrazine	9.176	77	366212	2.67	ppb		74
74) 4-Bromophenyl-phenylether	9.626	248	257211	11.42	ppb	#	49
75) Hexachlorobenzene	9.765	284	322208	11.81	ppb		83
76) Pentachlorophenol	10.064	266	109545	7.46	ppb		77
77) Phenanthrene	10.315	178	2122807	16.50	ppb		82
78) Anthracene	10.390	178	6413989	49.78	ppb		77
79) Carbazole	10.690	167	2043760	16.17	ppb		56
80) Di-n-butylphthalate	11.332	149	1695799	11.22	ppb		92
81) Fluoranthene	12.214	202	3571504	26.30	ppb		89
82) Octadecane	10.273	57	410646	6.82	ppb		86
84) Pyrene	12.557	202	14028393	88.56	ppb		93
87) Butylbenzylphthalate	13.717	149	727647	9.67	ppb		77
88) Benzo[a]anthracene	14.498	228	6083510	42.37	ppb		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration

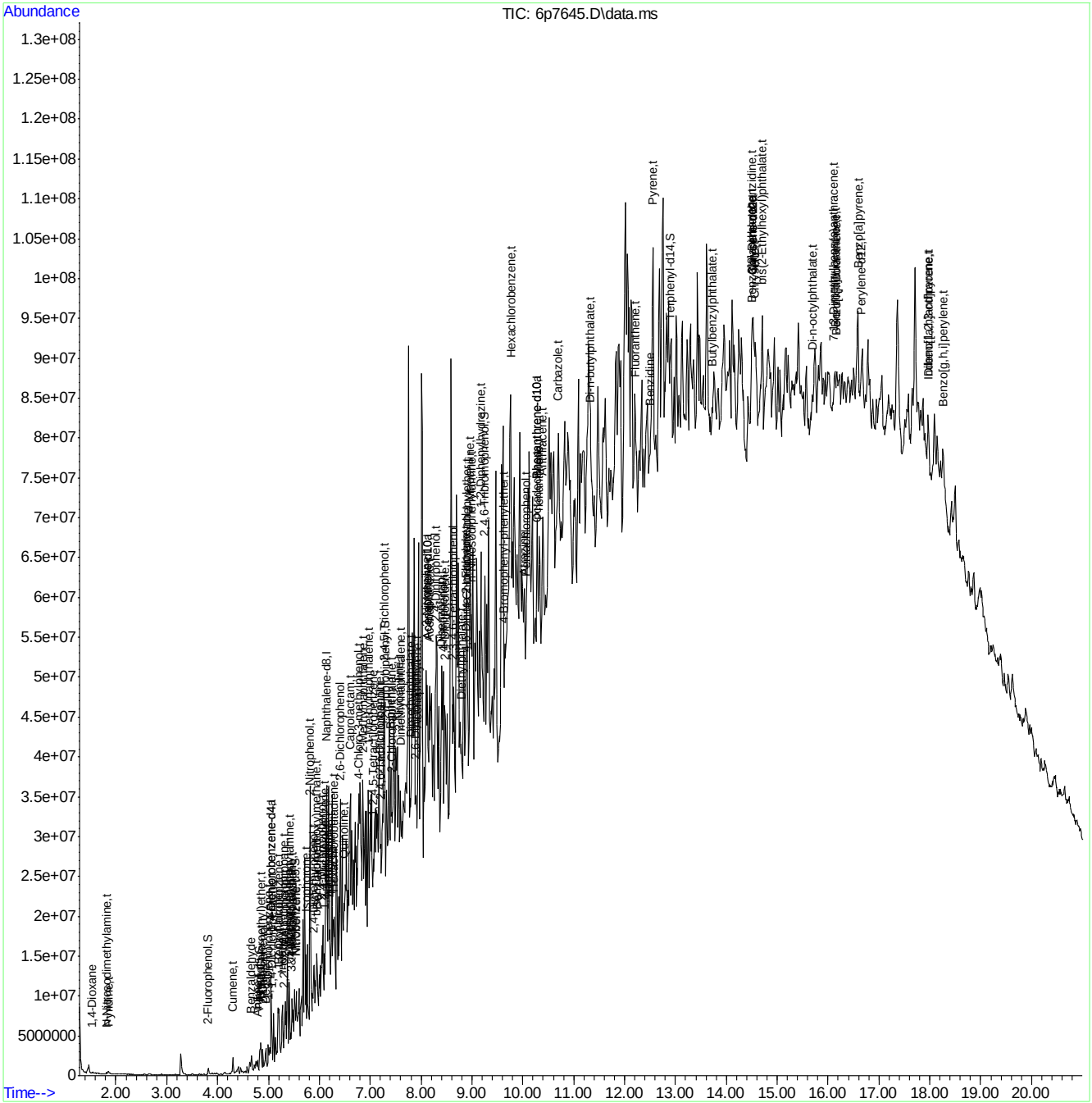
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
89) 3,3'-Dichlorobenzidine	14.509	252	1191048	24.42	ppb		93
90) Chrysene	14.562	228	8812675	66.69	ppb		85
91) bis(2-Ethylhexyl)phtha...	14.701	149	949338	9.31	ppb		94
93) Di-n-octylphthalate	15.691	149	1440430m	7.35	ppb		
94) Benzo[b]fluoranthene	16.140	252	2873363	17.53	ppb		89
95) Benzo[k]fluoranthene	16.167	252	1629309	10.79	ppb		91
96) Benzo[a]pyrene	16.589	252	3897232	27.66	ppb		87
97) Indeno[1,2,3-cd]pyrene	17.964	276	2604491	17.93	ppb		78
99) Dibenz[a,h]anthracene	17.975	278	2437362	17.50	ppb		82
100) 7,12-Dimethylbenz(a)an...	16.119	256	3119250	32.45	ppb		66
101) Benzo[g,h,i]perylene	18.264	276	3726220	26.82	ppb		93
103) Benzaldehyde	4.662	105	307901	7.76	ppb		88
105) Atrazine	10.016	215	121101	8.79	ppb	#	1
107) Benzidine	12.492	184	381609	4.62	ppb		74
109) 1,2,4,5-Tetrachloroben...	7.058	216	364886	9.82	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration



Manual Integration Approval Summary

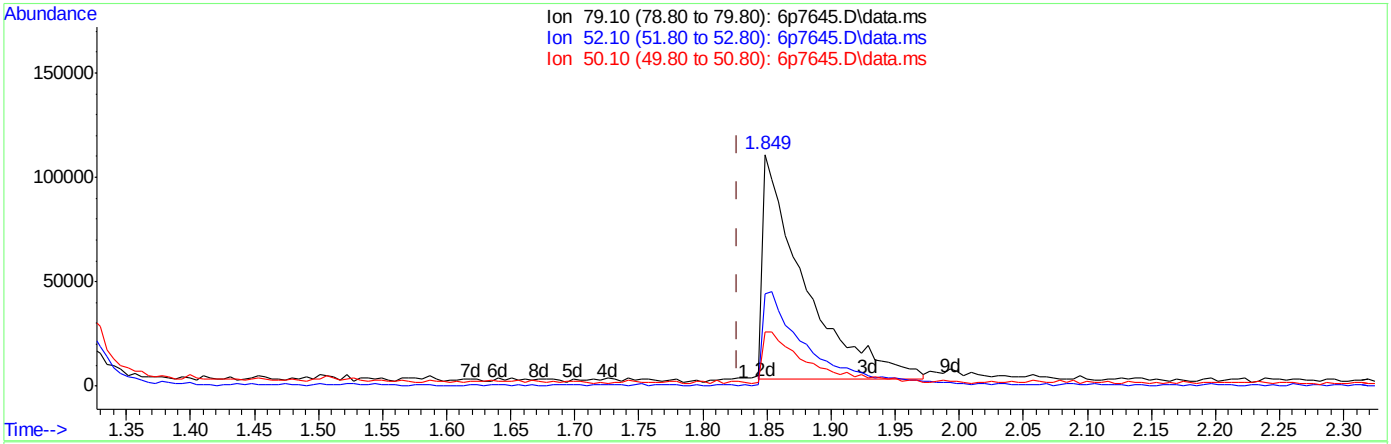
Sample Number: OP75136-MS
Lab FileID: 6P7645.D
Injection Time: 06/02/14 17:20
Method: SW846 8270D
Analyst approved: 06/03/14 15:32 Ashley Royal
Supervisor approved: 06/05/14 12:32 Cheng-Hwan Ao

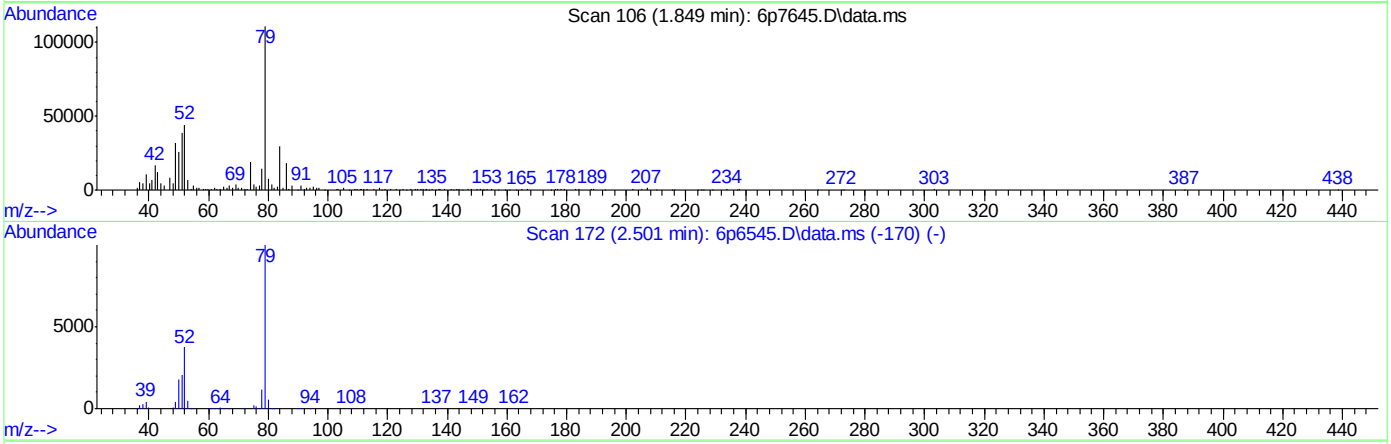
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pyridine	110-86-1		1.85	Poor instrument integration
2-Nitroaniline	88-74-4		7.56	Poor instrument integration
Di-n-octyl phthalate	117-84-0		15.69	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:00:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7645.D\data.ms

(3) Pyridine (t)

1.849min (+0.022) 4.81ppb m

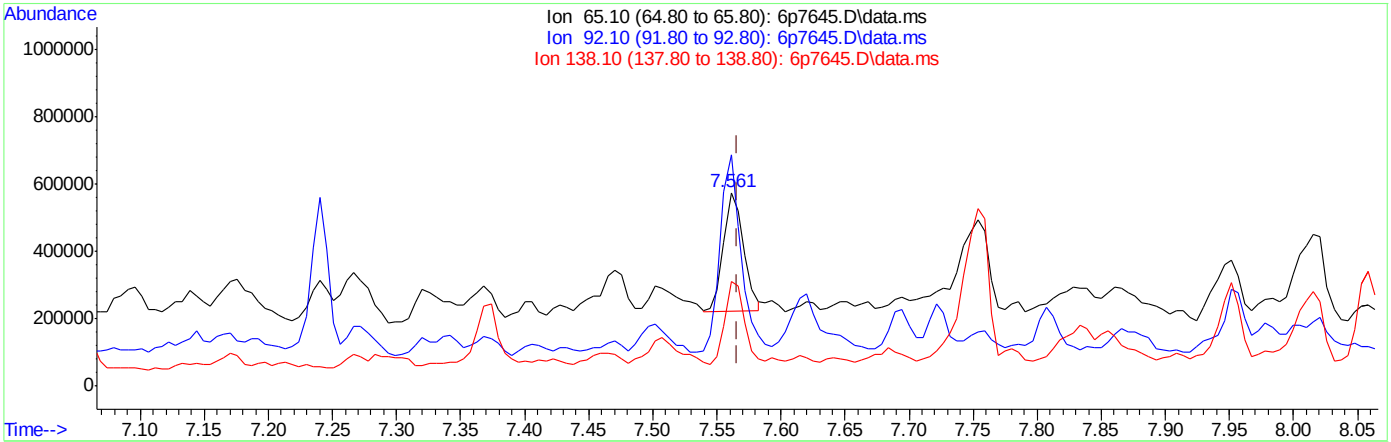
response 241943

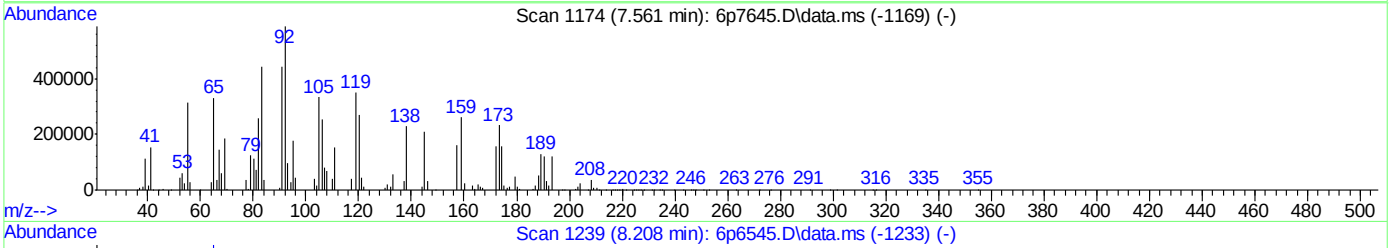
Ion	Exp%	Act%
79.10	100	100
52.10	37.60	39.78
50.10	18.10	23.44
0.00	0.00	0.00

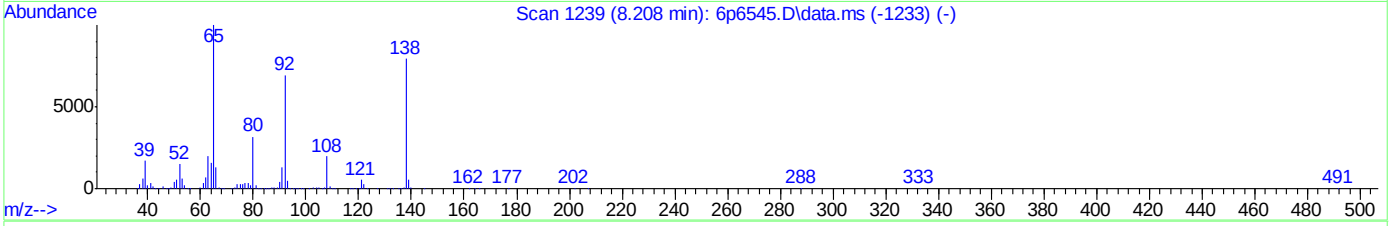
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:00:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7645.D\data.ms

(54) 2-Nitroaniline (t)

7.561min (-0.005) 11.80ppb m

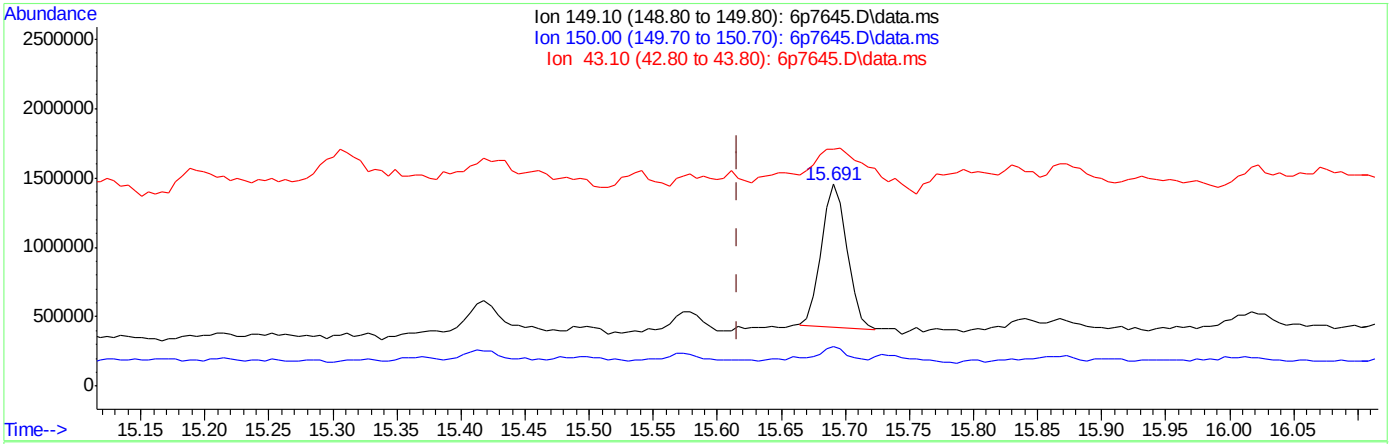
response 380601

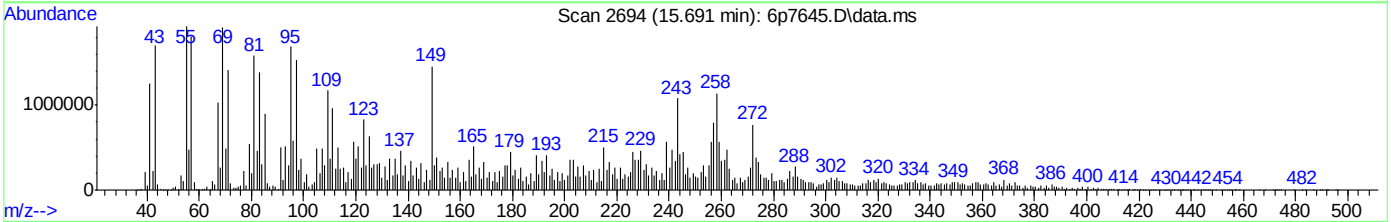
Ion	Exp%	Act%
65.10	100	100
92.10	69.30	119.85#
138.10	79.30	54.37
0.00	0.00	0.00

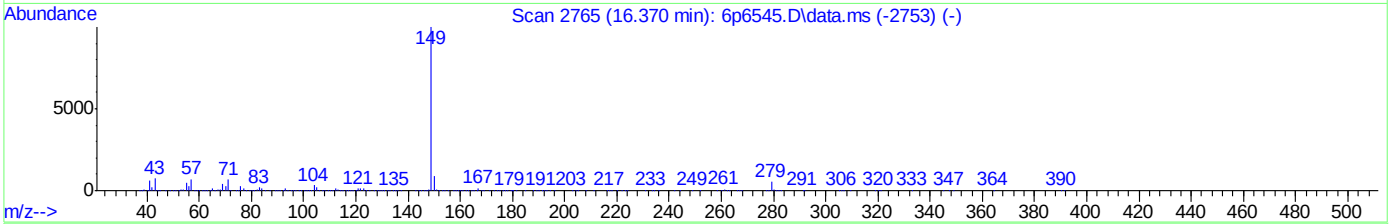
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7645.D
Acq On : 2 Jun 2014 5:20 pm
Operator : ashleyv
Sample : op75136-ms
Misc : op75136,e6p323,33.9
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 15:00:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7645.D\data.ms

(93) Di-n-octylphthalate (t)

15.691min (+0.075) 7.35ppb m

response 1440430

Ion	Exp%	Act%
149.10	100	100
150.00	9.20	19.73
43.10	7.40	117.27#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/05/14 12:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:16:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.058	152	1140516	40.00	ppb		0.00
24) Naphthalene-d8	6.143	136	4750077	40.00	ppb		0.00
47) Acenaphthene-d10	8.133	164	2894631	40.00	ppb		0.03
69) Phenanthrene-d10	10.289	188	5058494m	40.00	ppb		0.05
83) Chrysene-d12	14.525	240	5870346m	40.00	ppb		0.11
92) Perylene-d12	16.670	264	5643557m	40.00	ppb		0.14
102) 1,4-Dichlorobenzene-d4a	5.058	152	1140516	40.00	ppb		0.00
104) Phenanthrene-d10a	10.289	188	5047760m	40.00	ppb		0.05
106) Chrysene-d12a	14.525	240	5808488m	40.00	ppb		0.11
108) Acenaphthene-d10a	8.133	164	2894631	40.00	ppb		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	3.822	112	291146	7.08	ppb		0.02
Spiked Amount 50.000			Recovery = 14.16%				
8) Phenol-d5	4.828	99	475757	8.10	ppb		0.00
Spiked Amount 50.000			Recovery = 16.20%				
25) Nitrobenzene-d5	5.528	82	542134	8.64	ppb		0.00
Spiked Amount 50.000			Recovery = 17.28%				
51) 2-Fluorobiphenyl	7.293	172	888792	10.45	ppb		0.01
Spiked Amount 50.000			Recovery = 20.90%				
73) 2,4,6-Tribromophenol	9.262	330	148371	11.33	ppb		0.04
Spiked Amount 50.000			Recovery = 22.66%				
86) Terphenyl-d14	12.888	244	1146013m	10.05	ppb		0.09
Spiked Amount 50.000			Recovery = 20.10%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.544	88	49500	2.51	ppb		94
3) Pyridine	1.854	79	213244m	4.13	ppb		
4) N-Nitrosodimethylamine	1.822	74	121827	4.02	ppb		72
6) Indene	5.272	116	645682	8.46	ppb		98
7) Cumene	4.309	105	758843	6.27	ppb		96
9) Phenol	4.838	94	549525	8.09	ppb		87
10) Aniline	4.780	93	337282	4.50	ppb		98
11) bis(2-Chloroethyl)ether	4.854	93	420201	8.82	ppb		97
12) 2-Chlorophenol	4.892	128	338300	8.69	ppb		91
13) Decane	4.951	43	274051	9.54	ppb		85
14) 1,3-Dichlorobenzene	5.010	146	356023	8.62	ppb		95
15) 1,4-Dichlorobenzene	5.074	146	365580	8.81	ppb		97
16) Benzyl alcohol	5.207	108	275336	9.62	ppb		83
17) 1,2-Dichlorobenzene	5.202	146	367832	9.48	ppb		91
18) Acetophenone	5.411	105	642516	8.98	ppb		84
19) 2-Methylphenol	5.336	108	380875	9.57	ppb		95
20) 2,2'-oxybis(1-Chloropr...	5.314	121	143395	10.51	ppb	#	70
21) 3&4-Methylphenol	5.464	108	398683	9.32	ppb		97
22) n-Nitroso-di-n-propyla...	5.421	70	494333	12.86	ppb		87
23) Hexachloroethane	5.470	201	102522	7.34	ppb		92
26) Nitrobenzene	5.544	77	653741	10.14	ppb		92
27) Quinoline	6.491	129	851503	10.24	ppb		96
28) Isophorone	5.748	82	1031922	9.66	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:16:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.817	139	221058	10.73	ppb	#	1
30) 2,4-Dimethylphenol	5.892	107	462324	9.51	ppb		99
31) Benzoic Acid	5.956	105	432665	17.49	ppb		81
32) bis(2-Chloroethoxy)met...	5.951	93	605234	10.28	ppb		95
33) 2,4-Dichlorophenol	6.058	162	241189	8.14	ppb		89
34) 2,6-Dichlorophenol	6.245	162	253742m	8.42	ppb		
36) 1,2,4-Trichlorobenzene	6.101	180	319532	9.29	ppb		92
38) Naphthalene	6.165	128	1494801	12.42	ppb		96
39) 4-Chloroaniline	6.240	127	318812	6.29	ppb		96
40) 2,3-Dichloroaniline	7.197	161	604542	14.71	ppb		64
41) Caprolactam	6.609	55	1382942	81.06	ppb	#	69
42) Hexachlorobutadiene	6.293	225	214101	11.03	ppb		94
43) 4-Chloro-3-methylphenol	6.769	107	725758	16.10	ppb		95
44) 2-Methylnaphthalene	6.871	141	779064	11.51	ppb		88
45) 1-Methylnaphthalene	6.973	141	847289m	12.20	ppb		
46) Dimethylnaphthalene	7.604	156	754624	10.06	ppb		98
49) 2,4,6-Trichlorophenol	7.219	196	257406	11.45	ppb		98
50) 2,4,5-Trichlorophenol	7.283	196	274187	11.59	ppb		94
52) 2-Chloronaphthalene	7.427	162	807627	10.61	ppb		91
53) Biphenyl	7.411	154	1082111	10.32	ppb		97
54) 2-Nitroaniline	7.572	65	435172m	12.98	ppb		
55) Dimethylphthalate	7.818	163	1036604	12.17	ppb		98
56) Acenaphthylene	7.941	152	1994467	16.10	ppb		82
57) 2,6-Dinitrotoluene	7.898	165	310382	15.89	ppb	#	73
58) 3-Nitroaniline	8.106	138	301931	13.65	ppb	#	42
59) Acenaphthene	8.171	153	1558061	19.92	ppb		97
60) 2,4-Dinitrophenol	8.304	184	9651	0.85	ppb	#	1
61) 4-Nitrophenol	8.470	109	513097	28.54	ppb	#	34
62) Dibenzofuran	8.411	168	2588755	24.18	ppb		95
63) 2,4-Dinitrotoluene	8.475	165	289054	10.74	ppb		91
64) 2,3,4,6-Tetrachlorophenol	8.631	232	170842	8.69	ppb	#	63
65) Diethylphthalate	8.796	149	972861	10.76	ppb		95
66) Fluorene	8.893	166	3676262	41.51	ppb		95
67) 4-Chlorophenyl-phenyle...	8.919	204	471762m	12.14	ppb		
68) 4-Nitroaniline	8.968	138	225952	10.47	ppb		75
70) 4,6-Dinitro-2-methylph...	8.855	198	5332	0.33	ppb		84
71) n-Nitrosodiphenylamine	8.989	169	3662817	58.63	ppb		70
72) 1,2-Diphenylhydrazine	9.107	77	465509	3.22	ppb		68
74) 4-Bromophenyl-phenylether	9.636	248	245051m	10.33	ppb		
75) Hexachlorobenzene	9.770	284	349849	12.17	ppb		93
76) Pentachlorophenol	10.075	266	97228m	6.28	ppb		
77) Phenanthrene	10.321	178	2043626	15.08	ppb		85
78) Anthracene	10.401	178	5402466	39.80	ppb		87
79) Carbazole	10.701	167	2327814	17.48	ppb		67
80) Di-n-butylphthalate	11.337	149	1705512m	10.71	ppb		
81) Fluoranthene	12.220	202	3254207m	22.74	ppb		
82) Octadecane	10.331	57	3878579m	61.17	ppb		
84) Pyrene	12.562	202	12837417	74.52	ppb		94
87) Butylbenzylphthalate	13.723	149	714729	8.73	ppb		80
88) Benzo[a]anthracene	14.503	228	4713433	30.19	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:16:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration

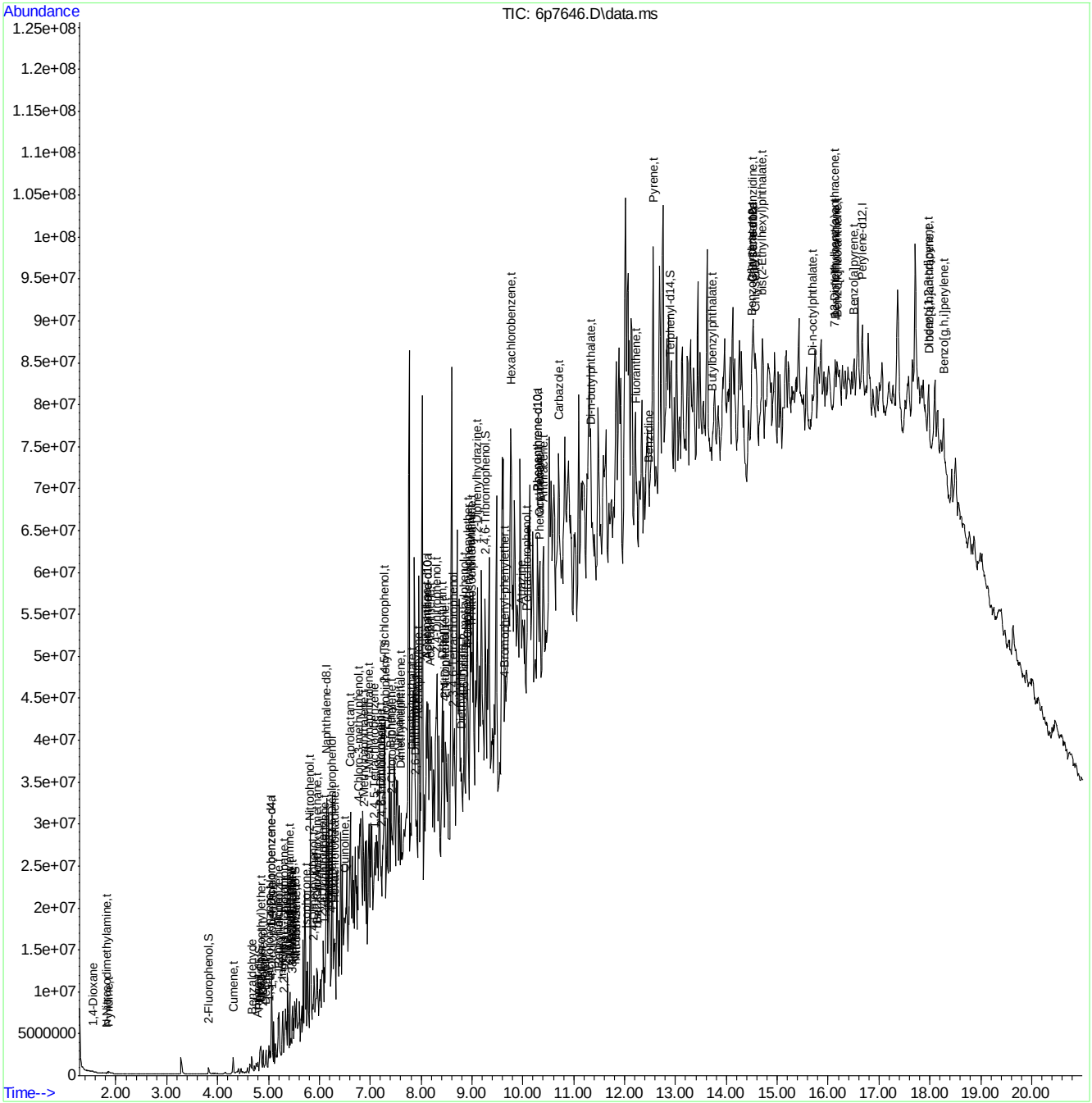
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
89) 3,3'-Dichlorobenzidine	14.514	252	1204703	22.71	ppb		92
90) Chrysene	14.568	228	7584163m	52.78	ppb		
91) bis(2-Ethylhexyl)phtha...	14.707	149	1029565m	9.29	ppb		
93) Di-n-octylphthalate	15.696	149	1614211m	8.01	ppb		
94) Benzo[b]fluoranthene	16.145	252	2757829m	16.36	ppb		
95) Benzo[k]fluoranthene	16.178	252	1732471m	11.16	ppb		
96) Benzo[a]pyrene	16.514	252	2432303m	16.78	ppb		
97) Indeno[1,2,3-cd]pyrene	17.969	276	2526523m	16.91	ppb		
99) Dibenz[a,h]anthracene	17.985	278	2019543m	14.10	ppb		
100) 7,12-Dimethylbenz(a)an...	16.129	256	3275529	33.19	ppb		71
101) Benzo[g,h,i]perylene	18.269	276	3318152m	23.22	ppb		
103) Benzaldehyde	4.667	105	294041	7.21	ppb		88
105) Atrazine	9.973	215	255345	17.64	ppb	#	80
107) Benzidine	12.482	184	247509	2.79	ppb		91
109) 1,2,4,5-Tetrachloroben...	7.069	216	365972	9.44	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:16:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration



Manual Integration Approval Summary

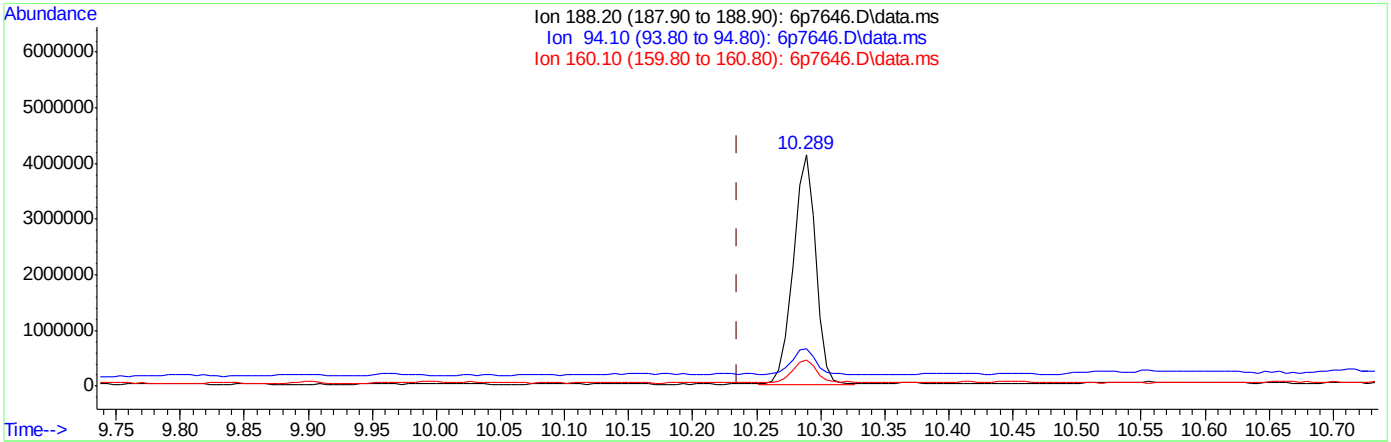
Sample Number: OP75136-MSD
Lab FileID: 6P7646.D
Injection Time: 06/02/14 17:49
Method: SW846 8270D
Analyst approved: 06/03/14 15:32 Ashley Royal
Supervisor approved: 06/05/14 12:32 Cheng-Hwan Ao

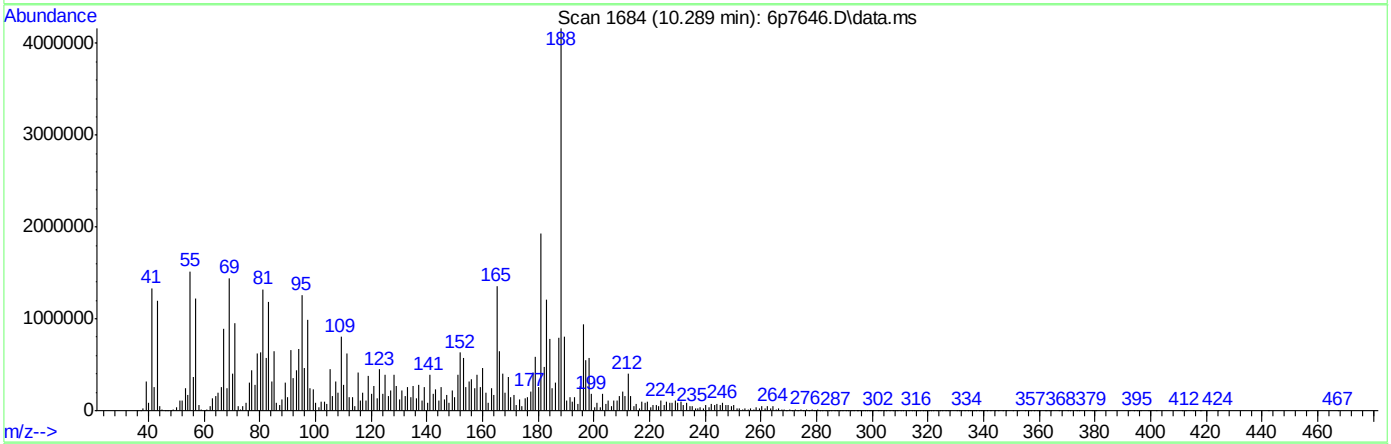
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pyridine	110-86-1		1.85	Poor instrument integration
2,6-Dichlorophenol	87-65-0		6.25	Poor instrument integration
1-Methylnaphthalene	90-12-0		6.97	Poor instrument integration
2-Nitroaniline	88-74-4		7.57	Poor instrument integration
4-Chlorophenyl phenyl ether	7005-72-3		8.92	Poor instrument integration
4-Bromophenyl phenyl ether	101-55-3		9.64	Poor instrument integration
Pentachlorophenol	87-86-5		10.07	Poor instrument integration
Phenanthrene-d10	1517-22-2		10.29	Poor instrument integration
Octadecane	593-45-3		10.33	Poor instrument integration
Di-n-butyl phthalate	84-74-2		11.34	Poor instrument integration
Fluoranthene	206-44-0		12.22	Poor instrument integration
Terphenyl-d14	1718-51-0		12.89	Poor instrument integration
Chrysene-d12	1719-03-5		14.52	Poor instrument integration
Chrysene	218-01-9		14.57	Poor instrument integration
bis(2-Ethylhexyl)phthalate	117-81-7		14.71	Poor instrument integration
Di-n-octyl phthalate	117-84-0		15.70	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		16.15	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		16.18	Poor instrument integration
Benzo(a)pyrene	50-32-8		16.51	Poor instrument integration
Perylene-d12			16.67	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		17.97	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		17.99	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		18.27	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:04:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(69) Phenanthrene-d10 (I)

10.289min (+0.054) 40.00ppb m

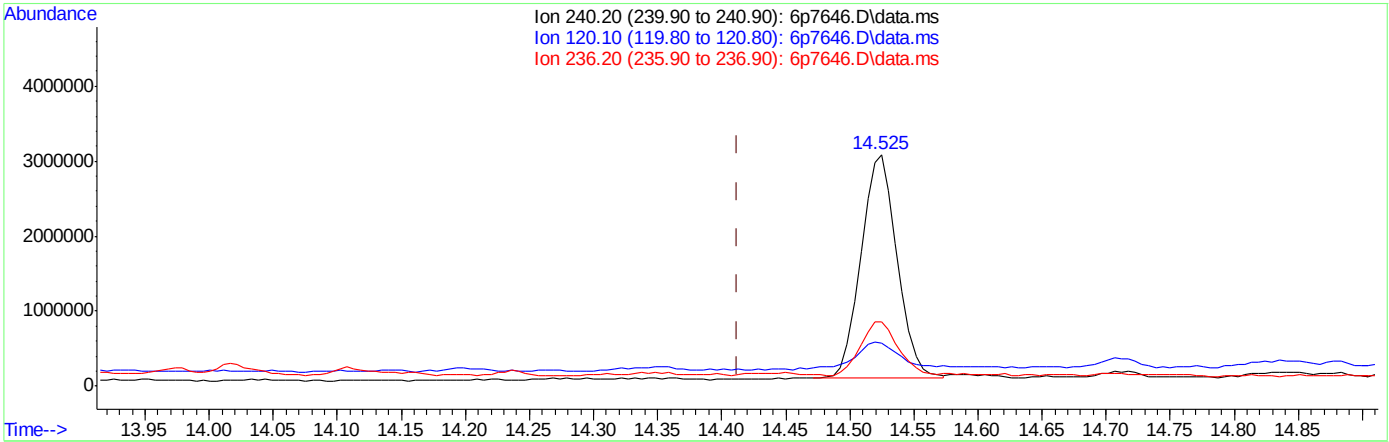
response 5058494

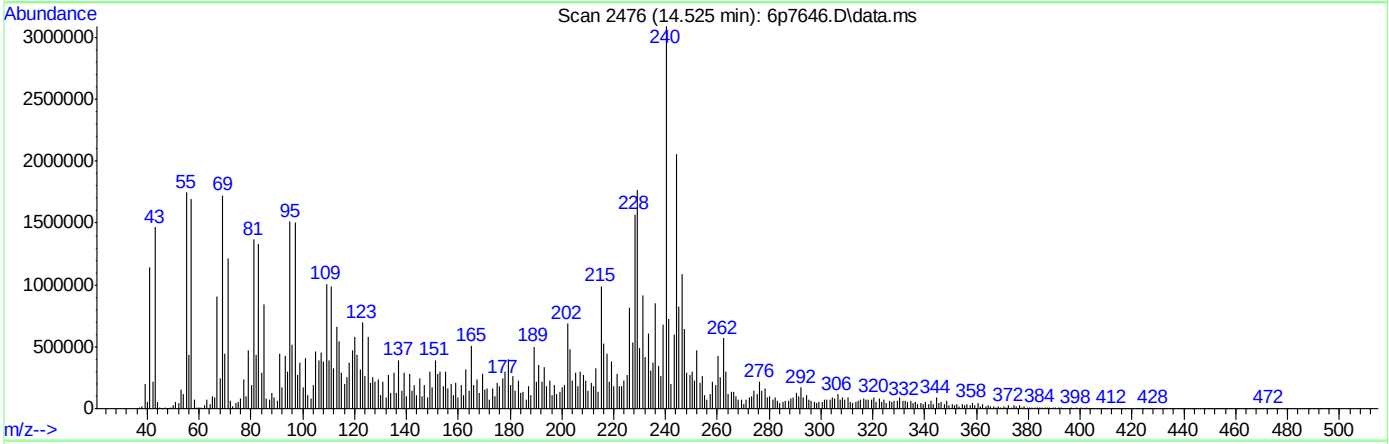
Ion	Exp%	Act%
188.20	100	100
94.10	14.90	16.21
160.10	11.80	11.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:04:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(83) Chrysene-d12 (I)

14.525min (+0.112) 40.00ppb m

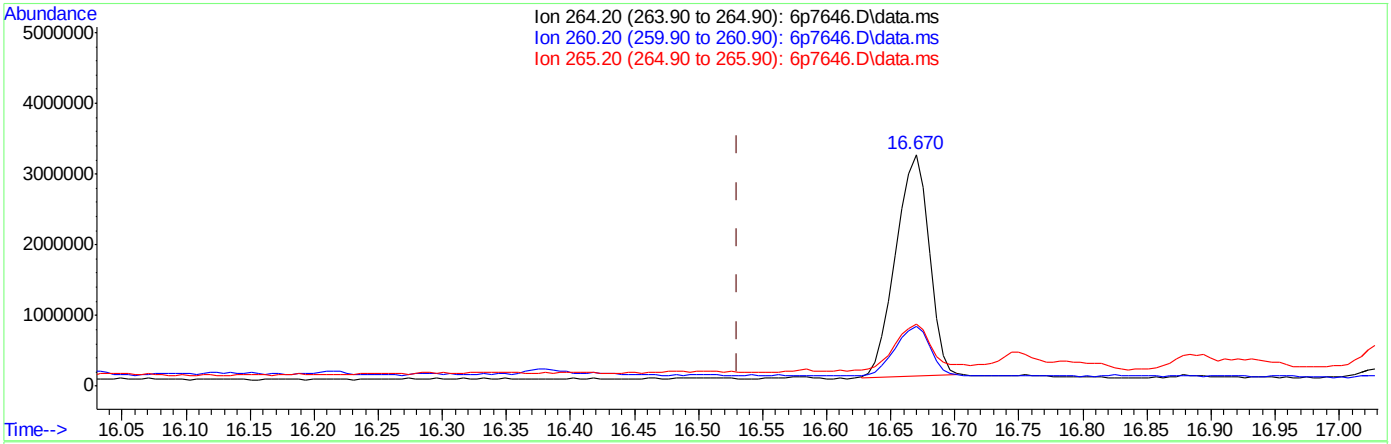
response 5870346

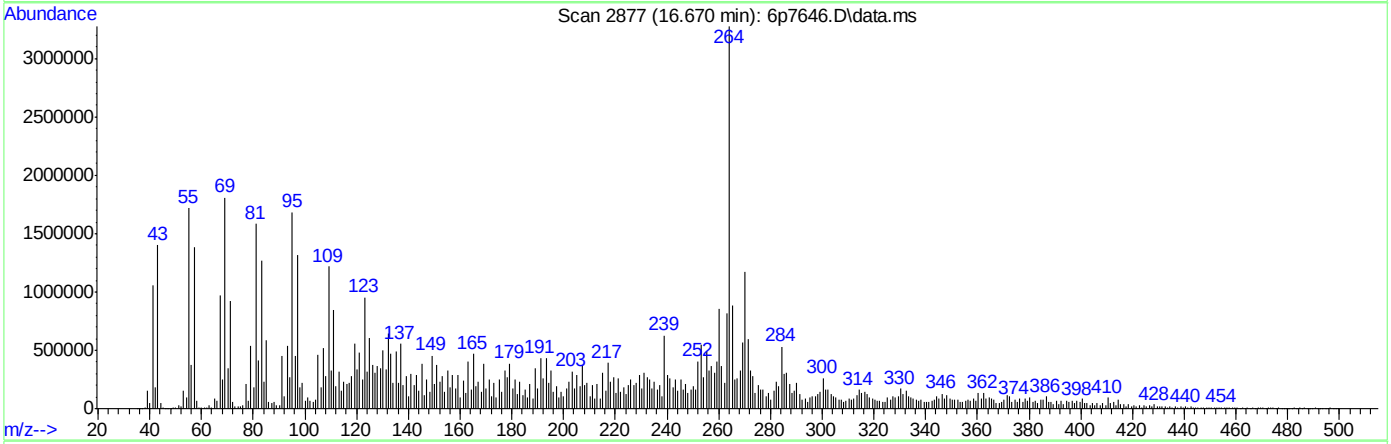
Ion	Exp%	Act%
240.20	100	100
120.10	13.50	18.77
236.20	24.50	27.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:04:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(92) Perylene-d12 (I)

16.670min (+0.139) 40.00ppb m

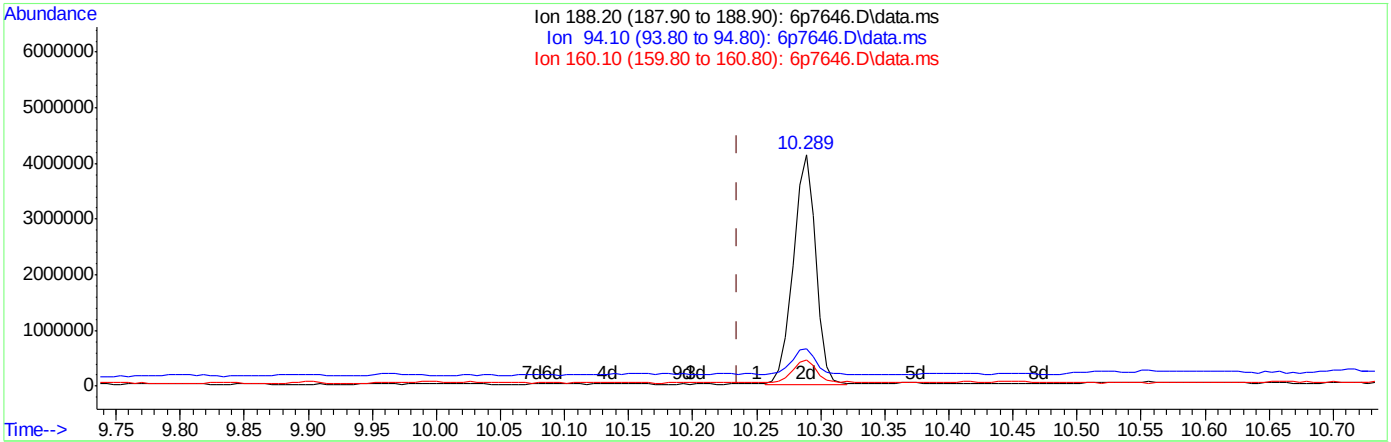
response 5643557

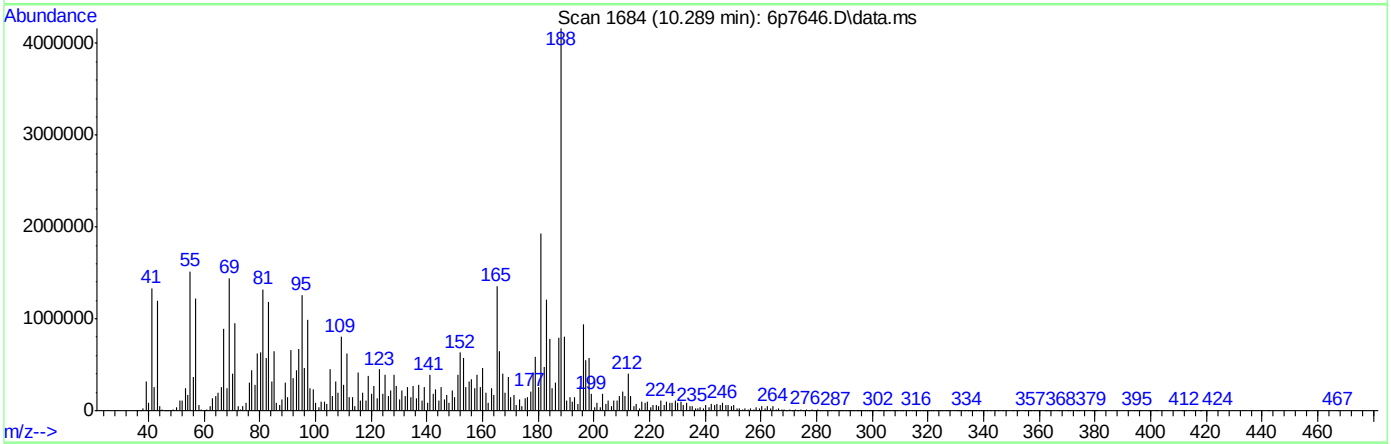
Ion	Exp%	Act%
264.20	100	100
260.20	22.40	25.99
265.20	20.60	26.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:04:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(104) Phenanthrene-d10a

10.289min (+0.054) 40.00ppb m

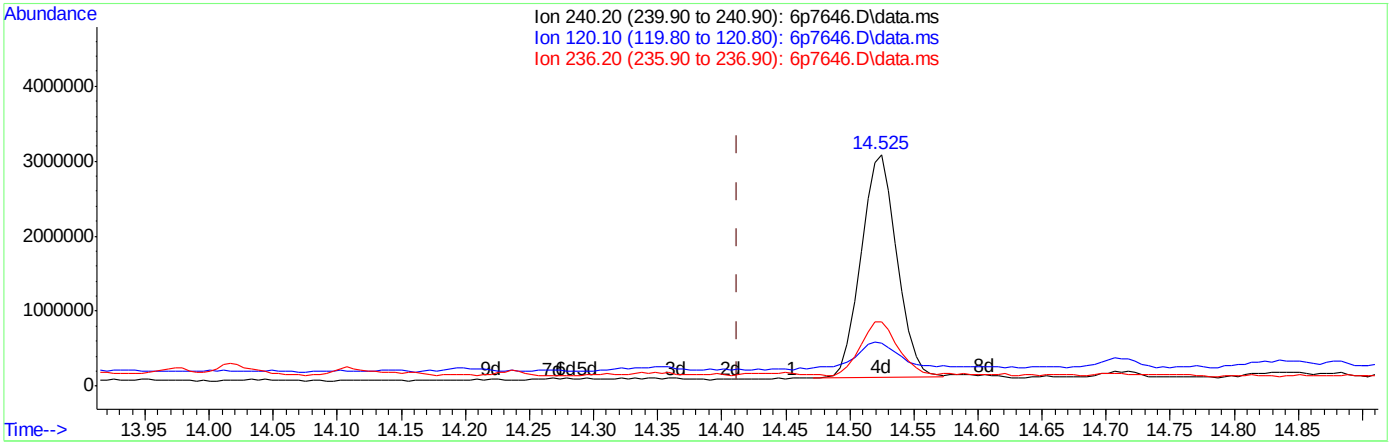
response 5047760

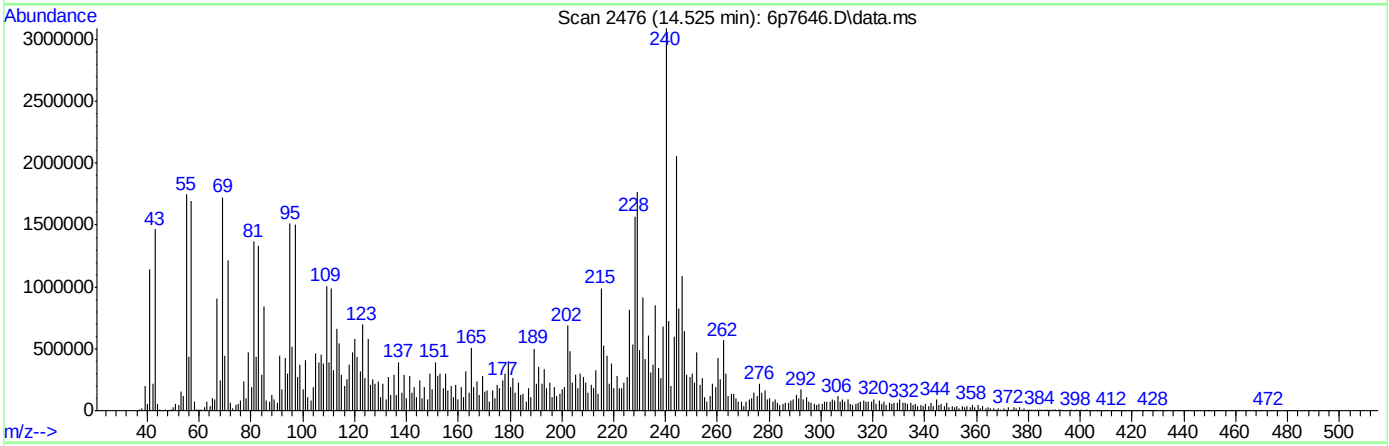
Ion	Exp%	Act%
188.20	100	100
94.10	14.90	16.21
160.10	11.80	11.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:04:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(106) Chrysene-d12a

14.525min (+0.112) 40.00ppb m

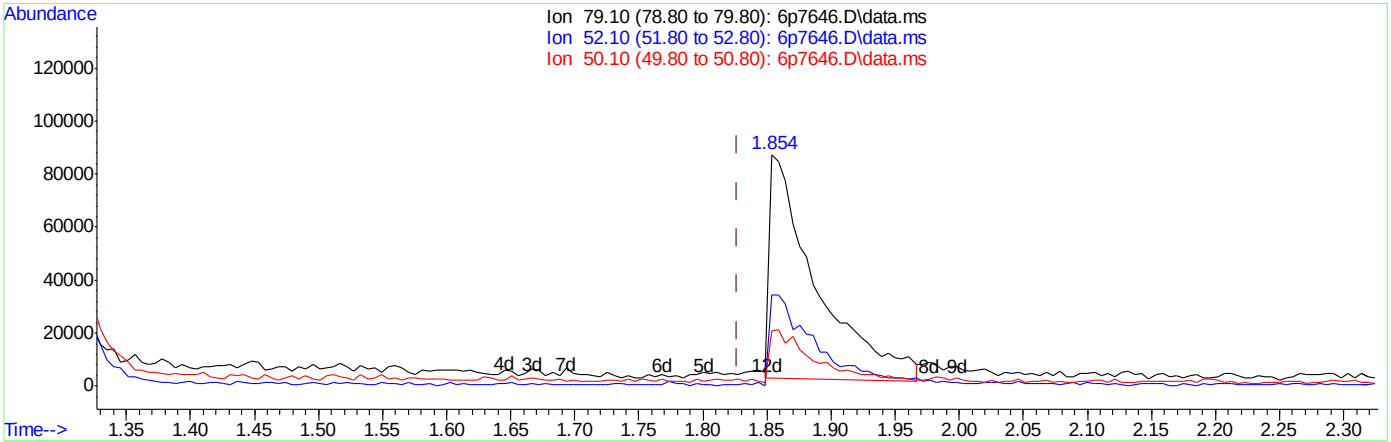
response 5808488

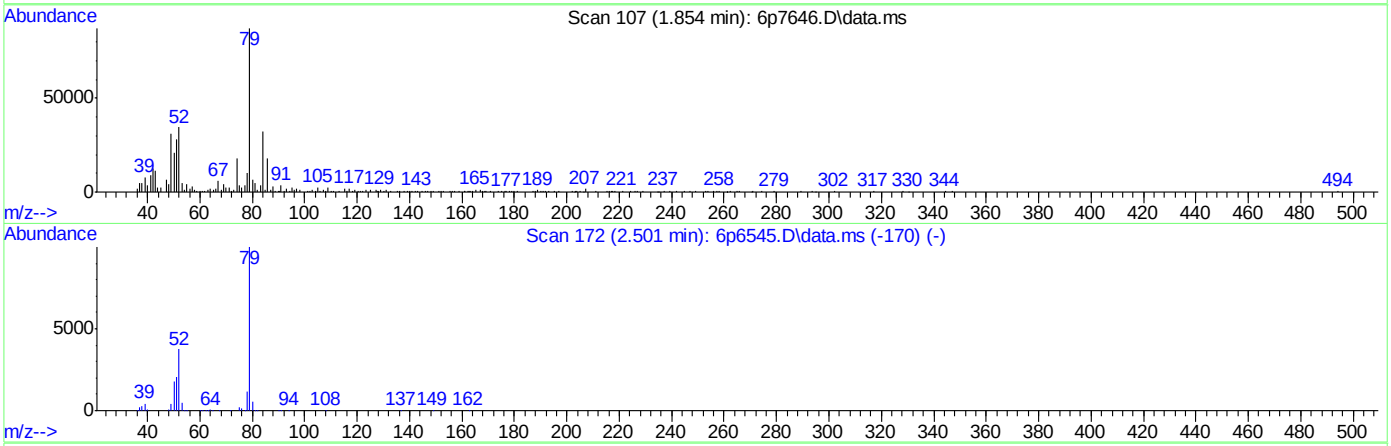
Ion	Exp%	Act%
240.20	100	100
120.10	13.50	18.77
236.20	24.50	27.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:05:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(3) Pyridine (t)

1.854min (+0.027) 4.13ppb m

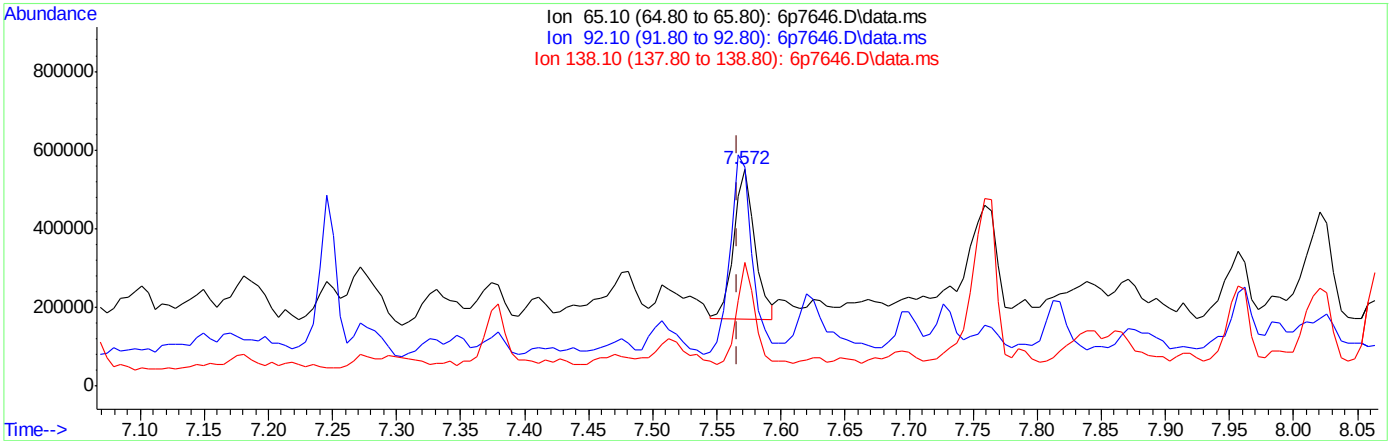
response 213244

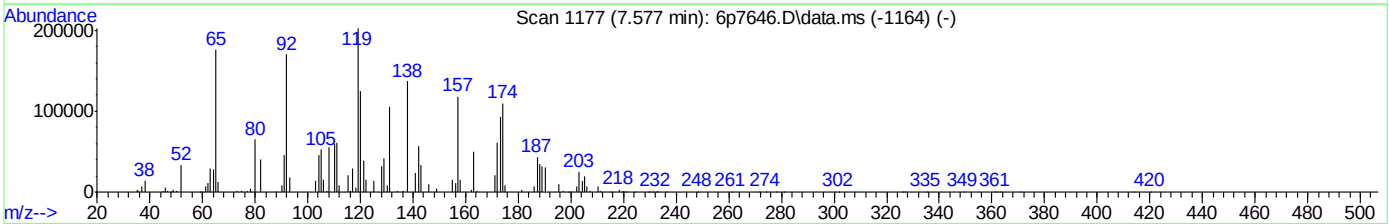
Ion	Exp%	Act%
79.10	100	100
52.10	37.60	39.43
50.10	18.10	24.10
0.00	0.00	0.00

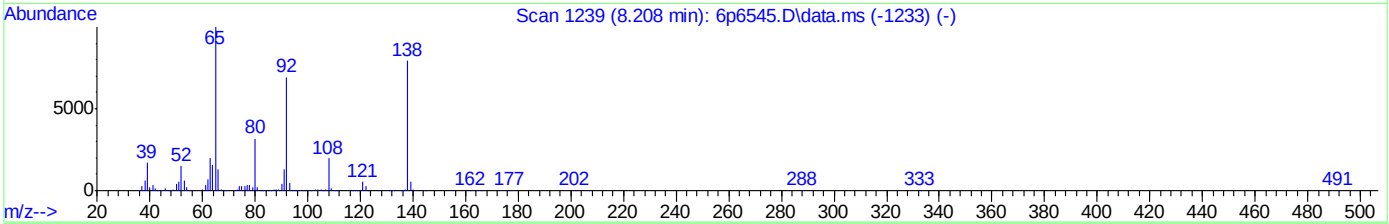
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:05:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(54) 2-Nitroaniline (t)

7.572min (+0.005) 12.98ppb m

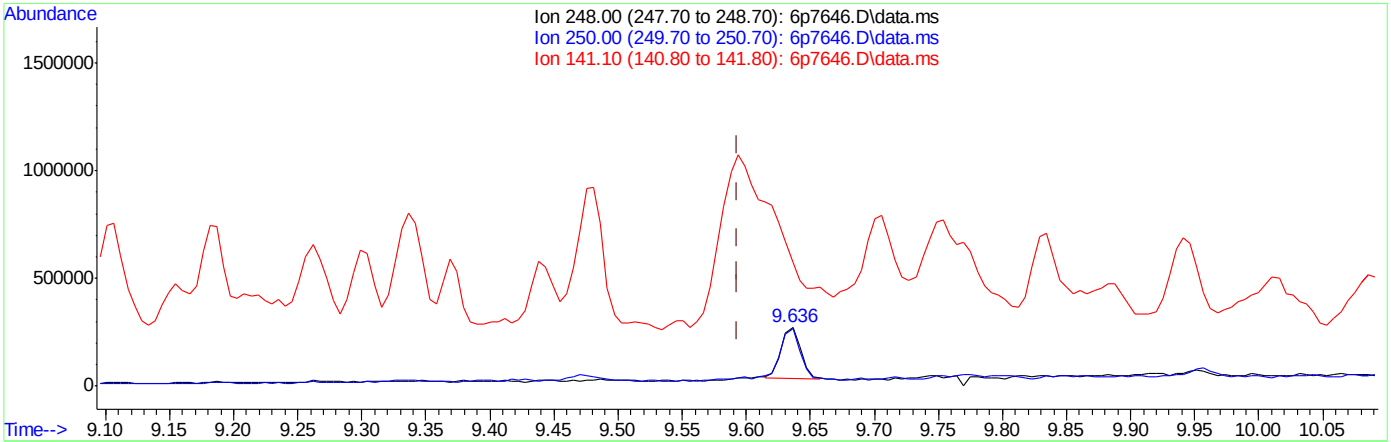
response 435172

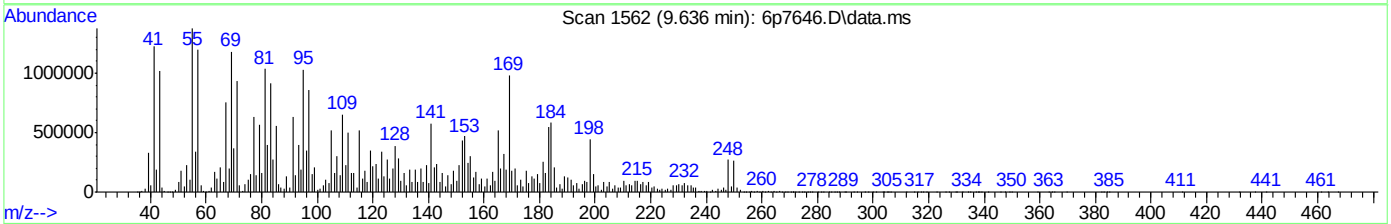
Ion	Exp%	Act%
65.10	100	100
92.10	69.30	101.27#
138.10	79.30	57.07
0.00	0.00	0.00

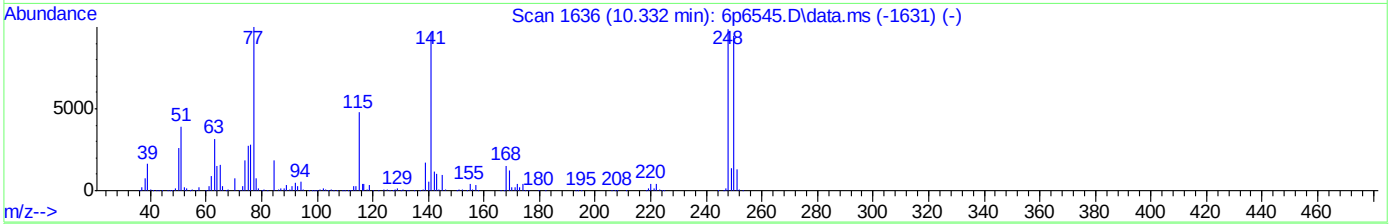
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:07:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(74) 4-Bromophenyl-phenylether (t)

9.636min (+0.043) 10.33ppb m

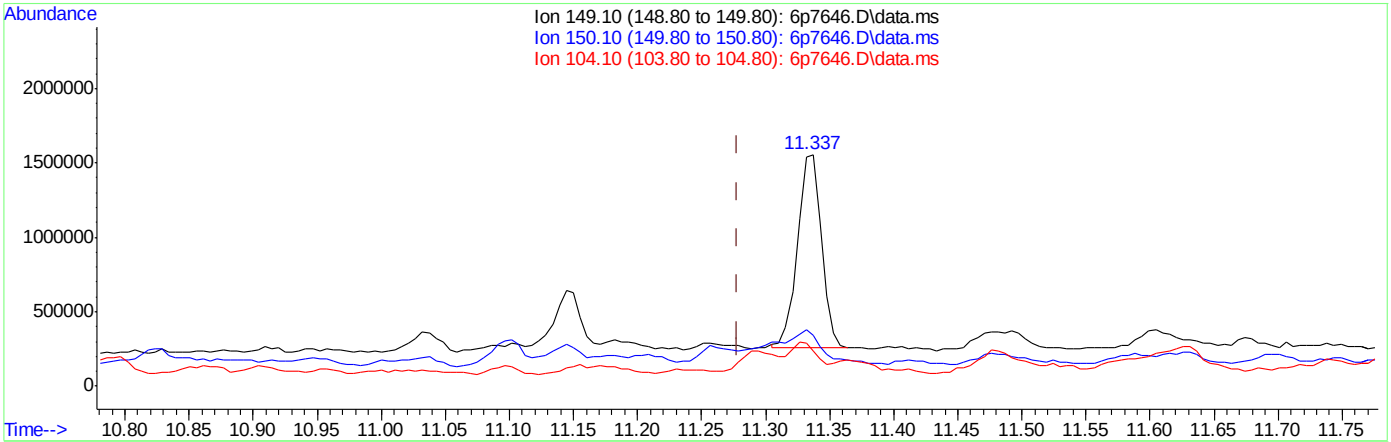
response 245051

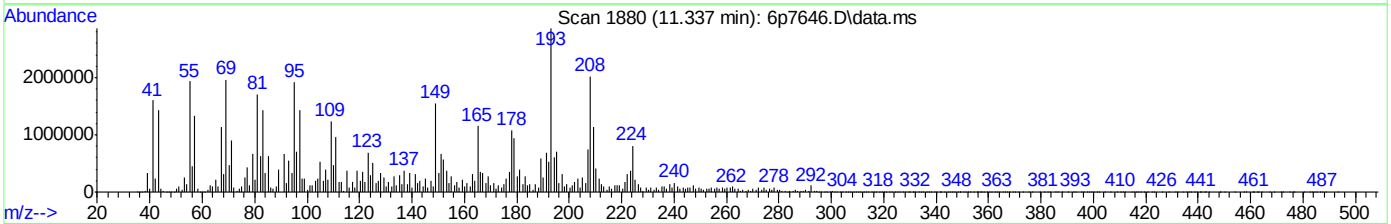
Ion	Exp%	Act%
248.00	100	100
250.00	95.40	98.45
141.10	97.90	211.29#
0.00	0.00	0.00

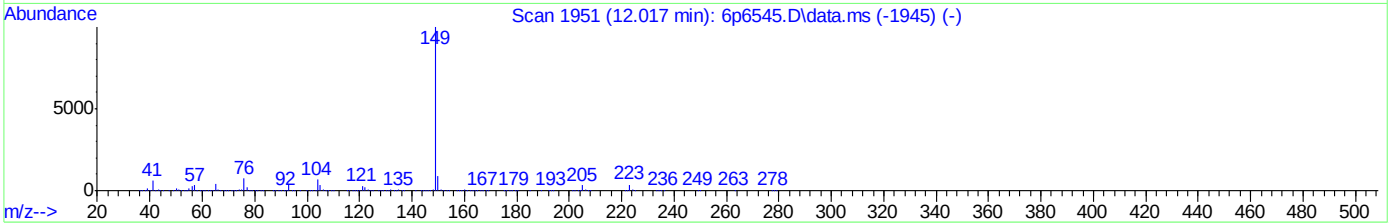
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:07:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(80) Di-n-butylphthalate (t)

11.337min (+0.059) 10.71ppb m

response 1705512

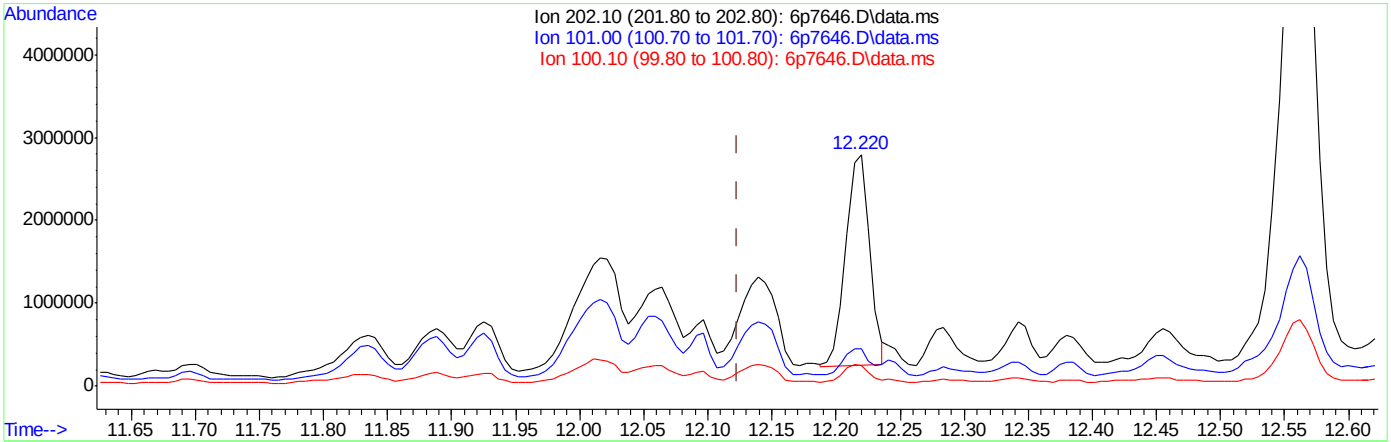
Ion	Exp%	Act%
149.10	100	100
150.10	8.90	22.06
104.10	6.70	15.14
0.00	0.00	0.00

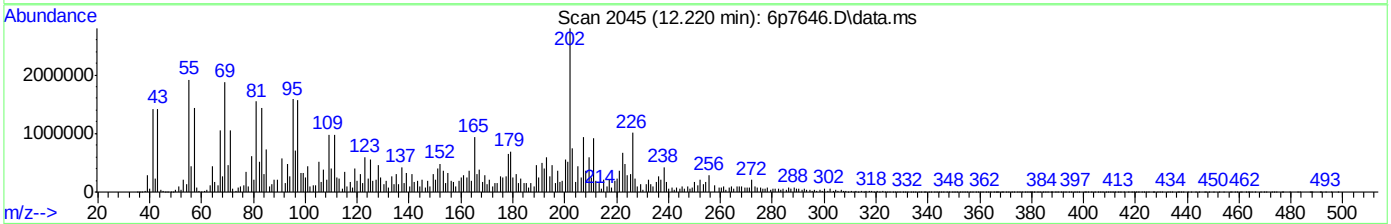
6P7646.D edits: Di-n-butylphthalate

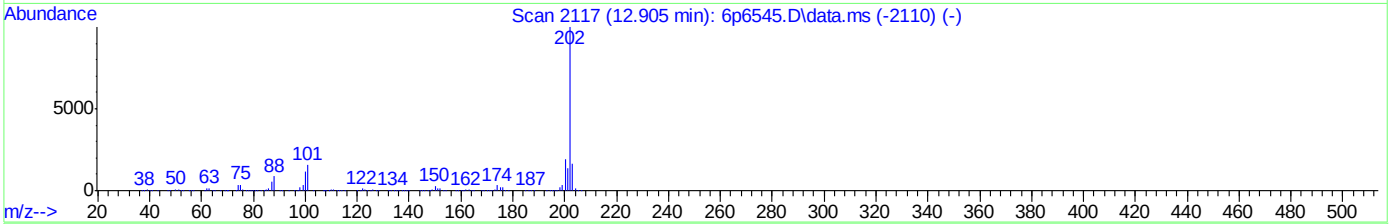
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:07:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(81) Fluoranthene (t)

12.220min (+0.096) 22.74ppb m

response 3254207

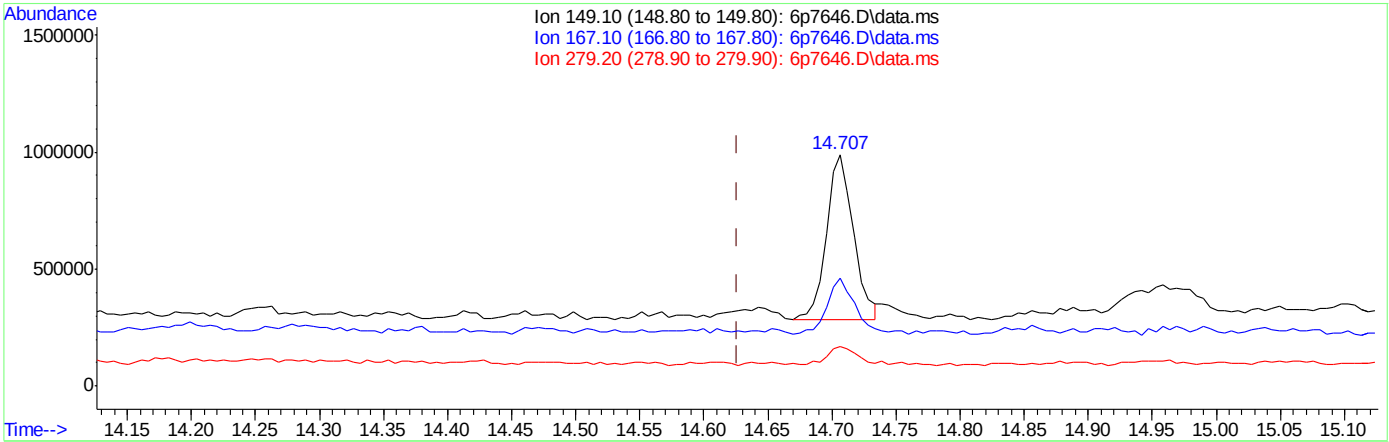
Ion	Exp%	Act%
202.10	100	100
101.00	15.60	15.93
100.10	11.60	8.77
0.00	0.00	0.00

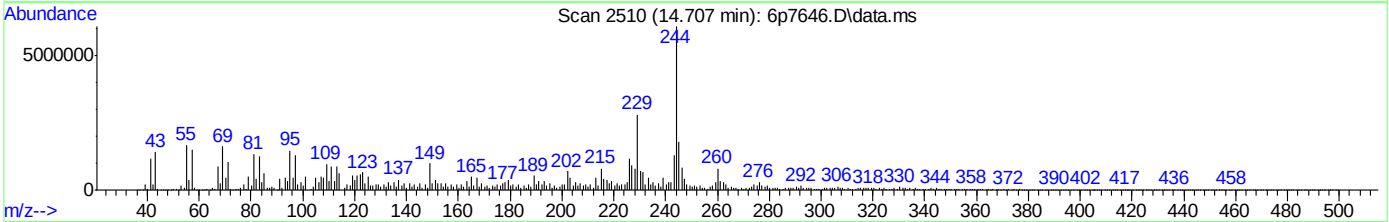
ACCUTEST LABORATORIES JB67744

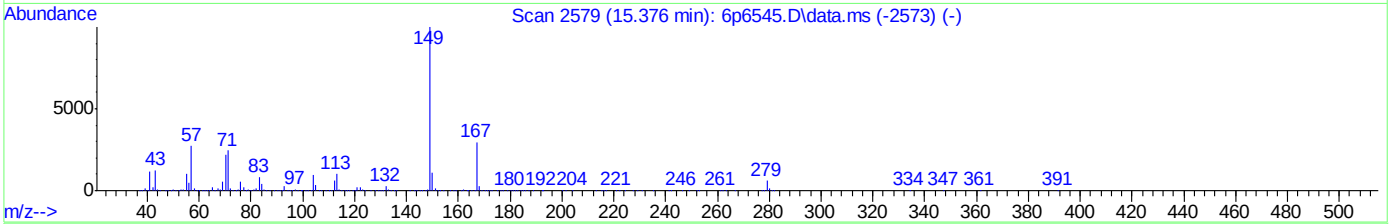
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:07:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(91) bis(2-Ethylhexyl)phthalate (t)

14.707min (+0.080) 9.29ppb m

response 1029565

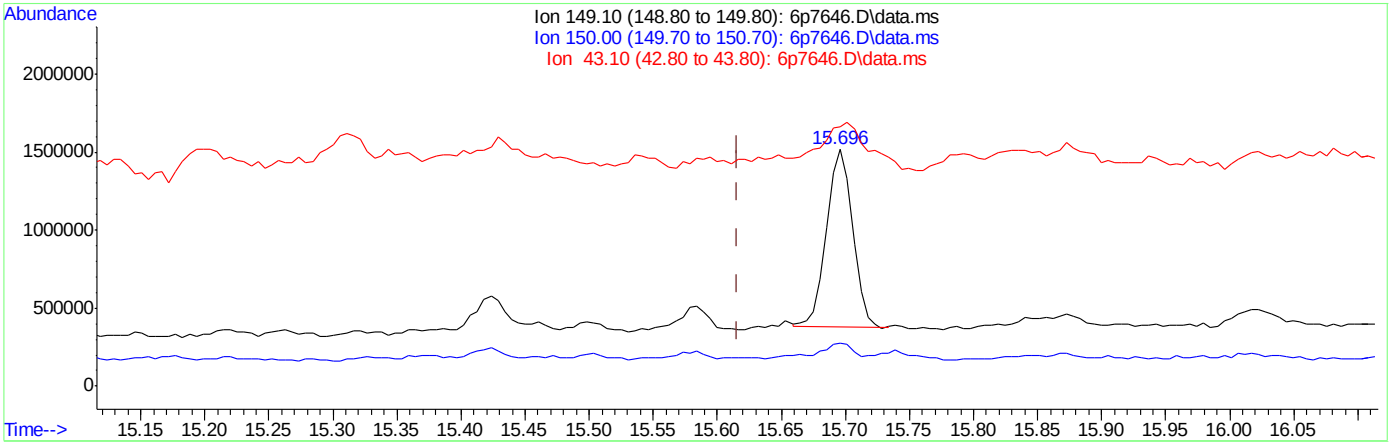
Ion	Exp%	Act%
149.10	100	100
167.10	29.50	46.55
279.20	5.90	17.17
0.00	0.00	0.00

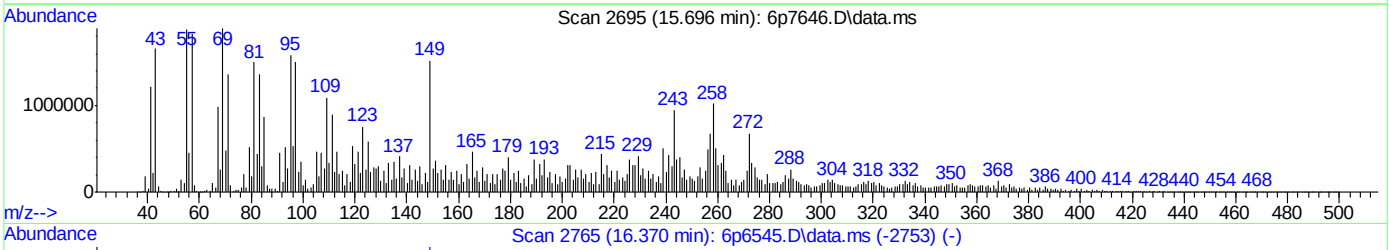
6P7646.D edits: bis(2-Ethylhexyl)phthalate

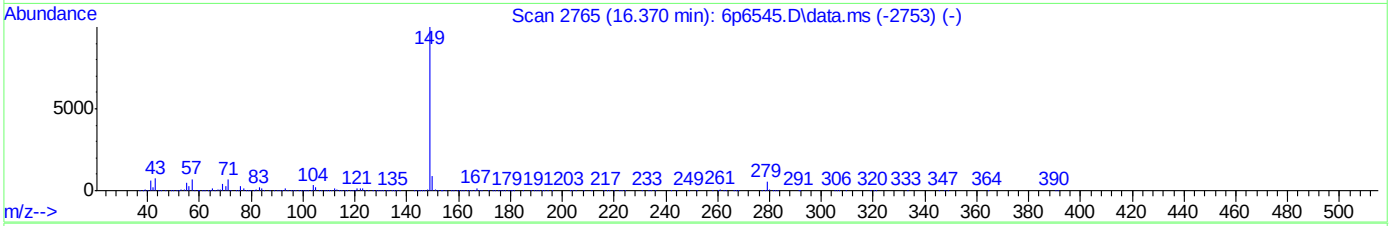
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:07:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(93) Di-n-octylphthalate (t)

15.696min (+0.080) 8.01ppb m

response 1614211

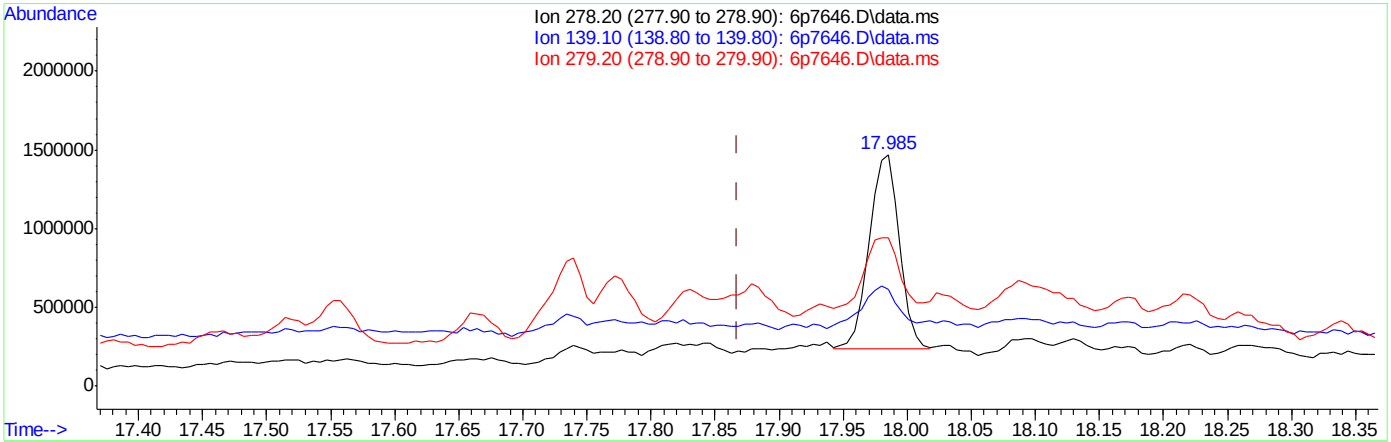
Ion	Exp%	Act%
149.10	100	100
150.00	9.20	18.12
43.10	7.40	109.13#
0.00	0.00	0.00

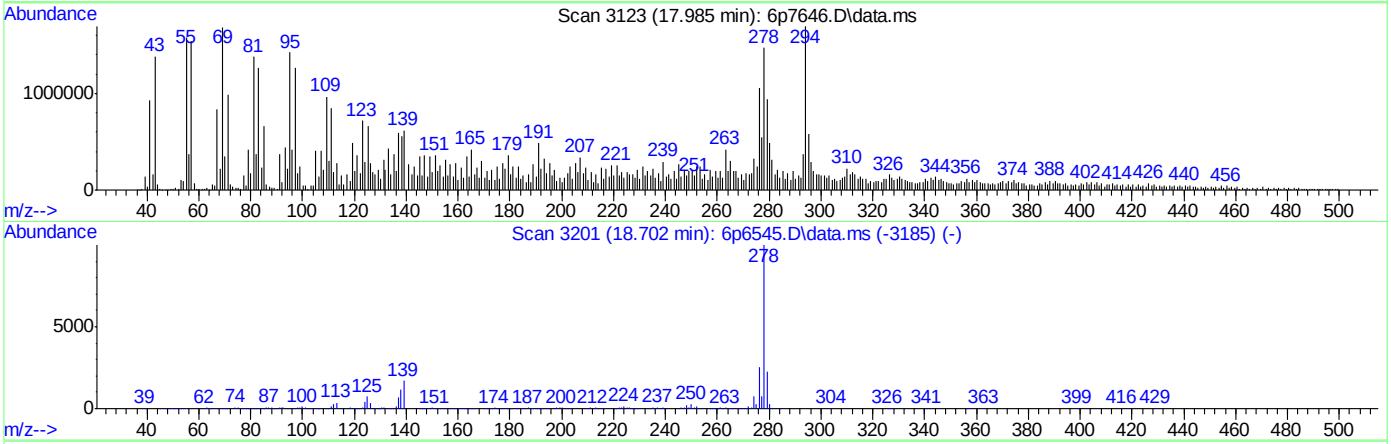
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(99) Dibenz[a,h]anthracene (t)

17.985min (+0.118) 14.15ppb m

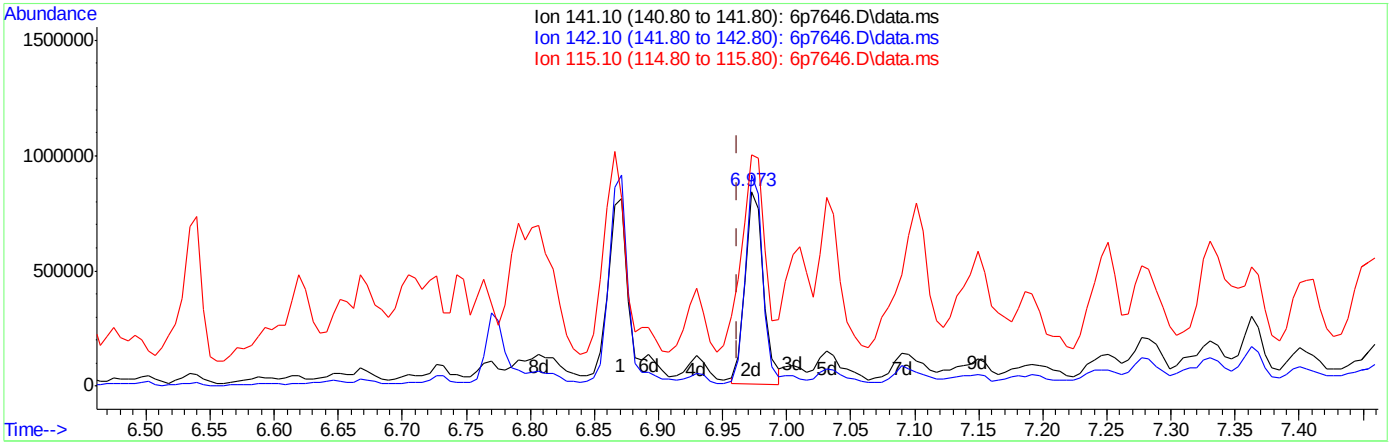
response 2026156

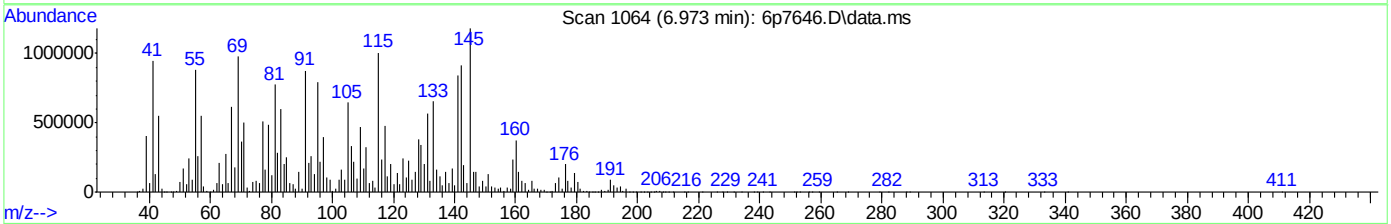
Ion	Exp%	Act%
278.20	100	100
139.10	16.90	41.91
279.20	22.90	63.84#
0.00	0.00	0.00

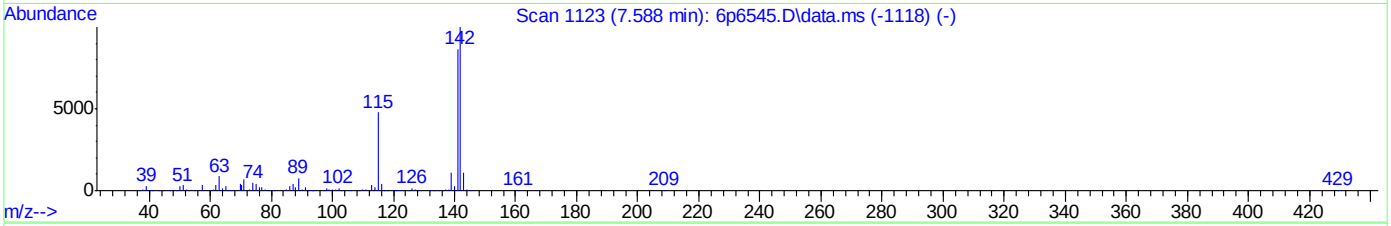
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(45) 1-Methylnaphthalene (t)

6.973min (+0.011) 12.20ppb m

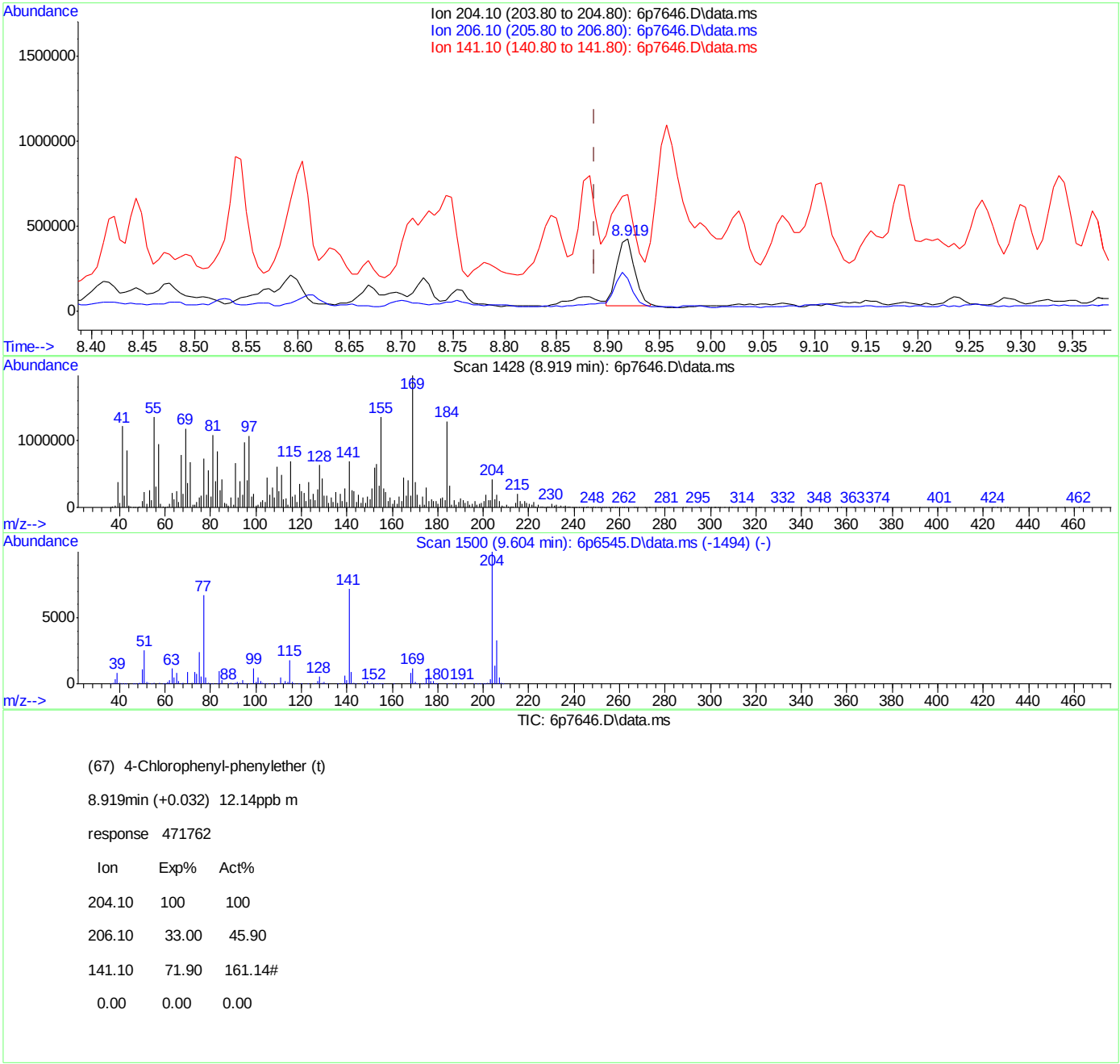
response 847289

Ion	Exp%	Act%
141.10	100	100
142.10	115.60	108.15
115.10	55.20	118.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration



TIC: 6p7646.D\data.ms

(67) 4-Chlorophenyl-phenylether (t)

8.919min (+0.032) 12.14ppb m

response 471762

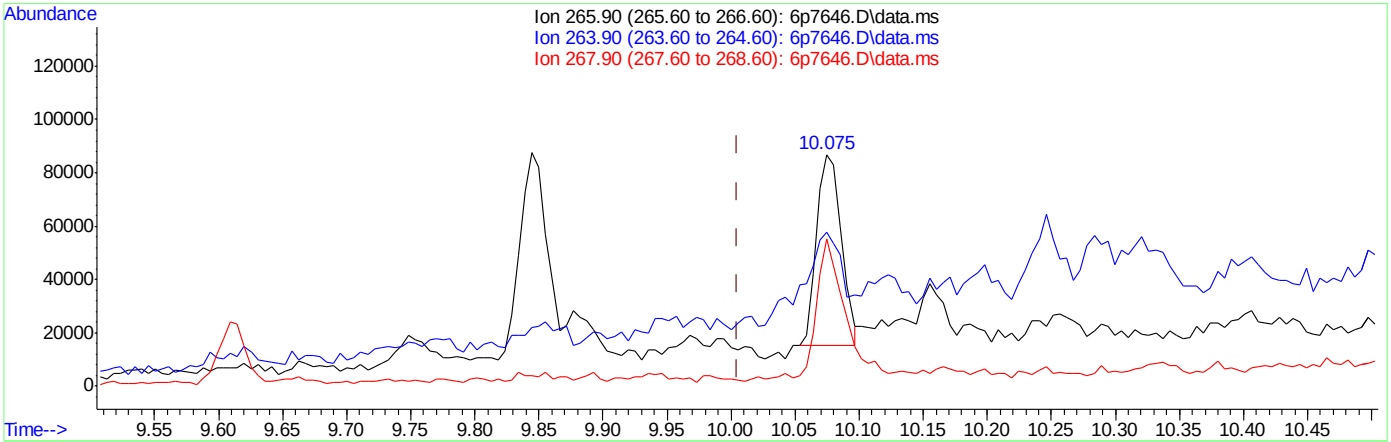
Ion	Exp%	Act%
204.10	100	100
206.10	33.00	45.90
141.10	71.90	161.14#
0.00	0.00	0.00

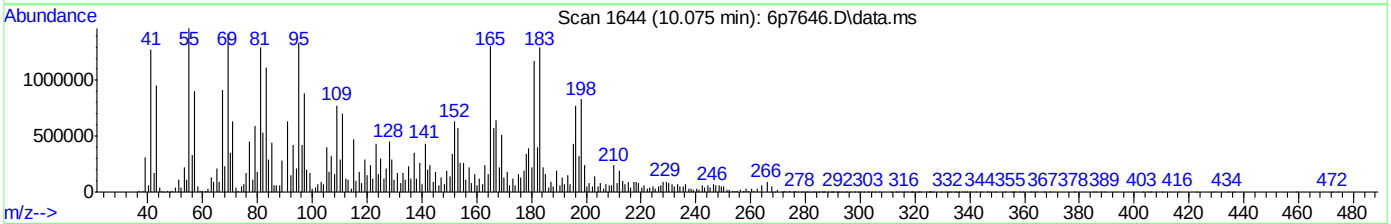
ACCUTEST LABORATORIES JB67744

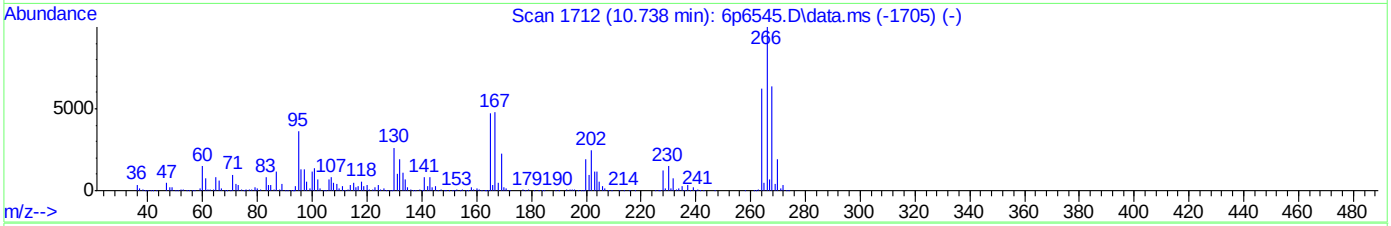
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(76) Pentachlorophenol (t)

10.075min (+0.070) 6.28ppb m

response 97228

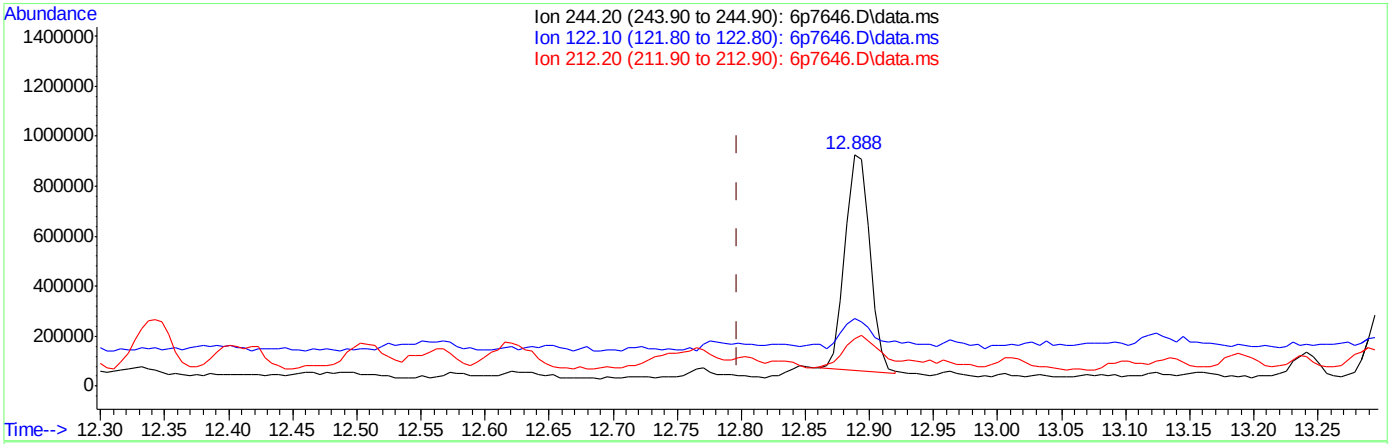
Ion	Exp%	Act%
265.90	100	100
263.90	62.10	66.38
267.90	63.60	63.62
0.00	0.00	0.00

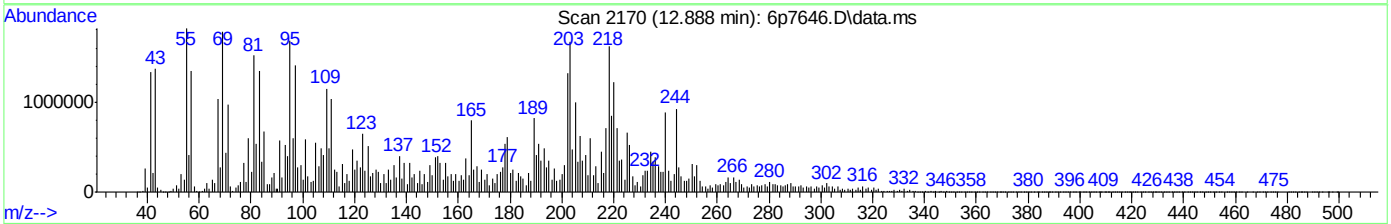
ACCUTEST LABORATORIES JB67744

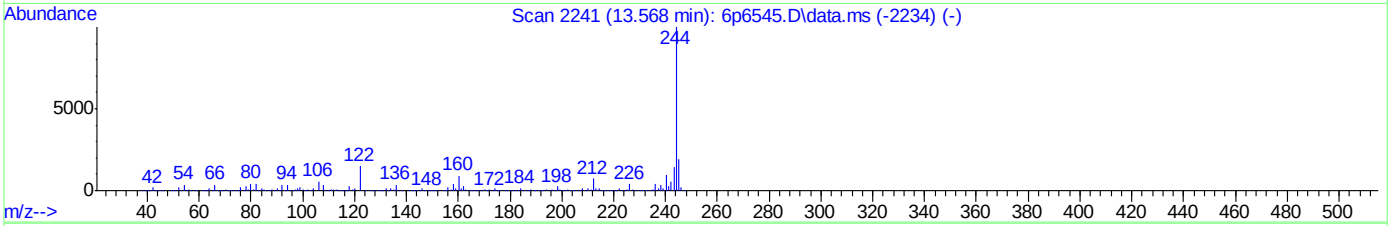
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(86) Terphenyl-d14 (S)

12.888min (+0.091) 10.05ppb m

response 1146013

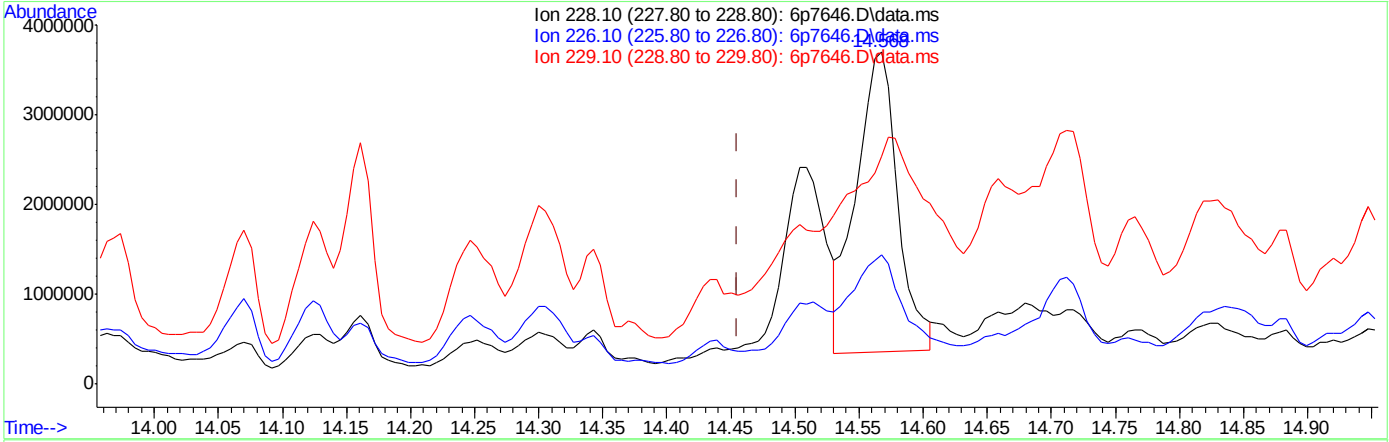
Ion	Exp%	Act%
244.20	100	100
122.10	14.90	29.09
212.20	7.30	20.39
0.00	0.00	0.00

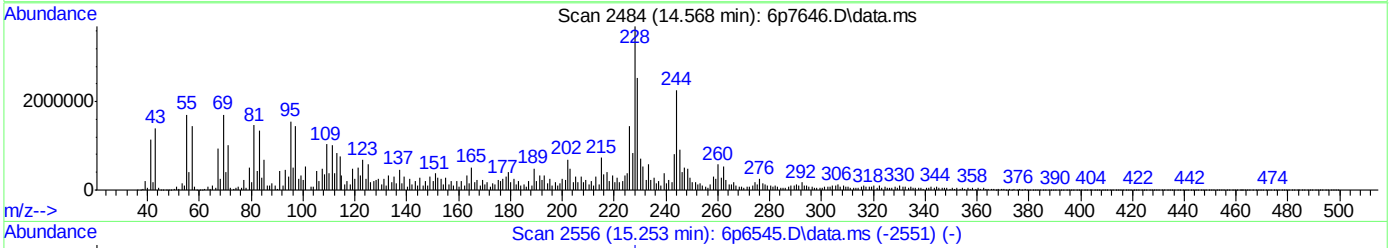
ACCUTEST LABORATORIES JB67744

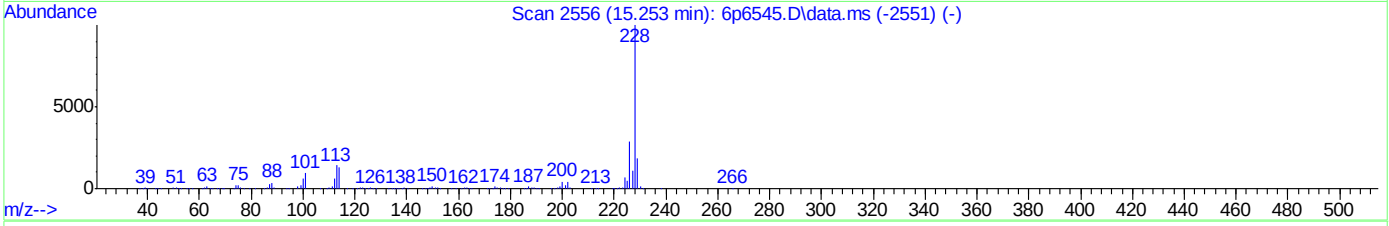
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(90) Chrysene (t)

14.568min (+0.112) 52.78ppb m

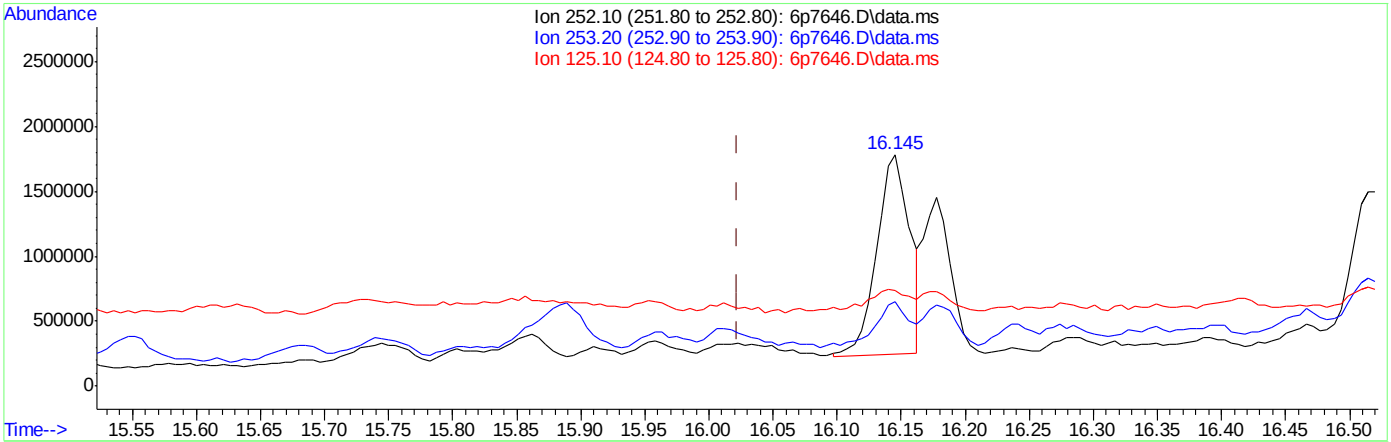
response 7584163

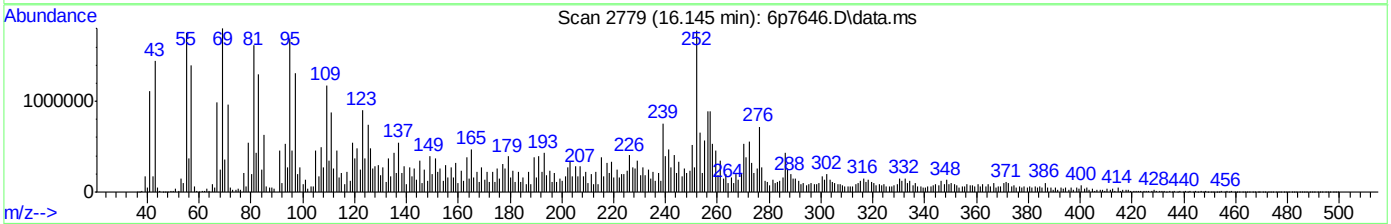
Ion	Exp%	Act%
228.10	100	100
226.10	28.50	39.11
229.10	18.50	68.82#
0.00	0.00	0.00

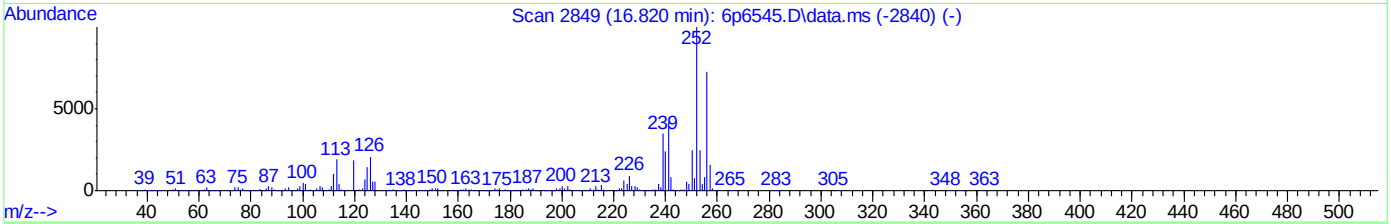
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(94) Benzo[b]fluoranthene (t)

16.145min (+0.123) 16.36ppb m

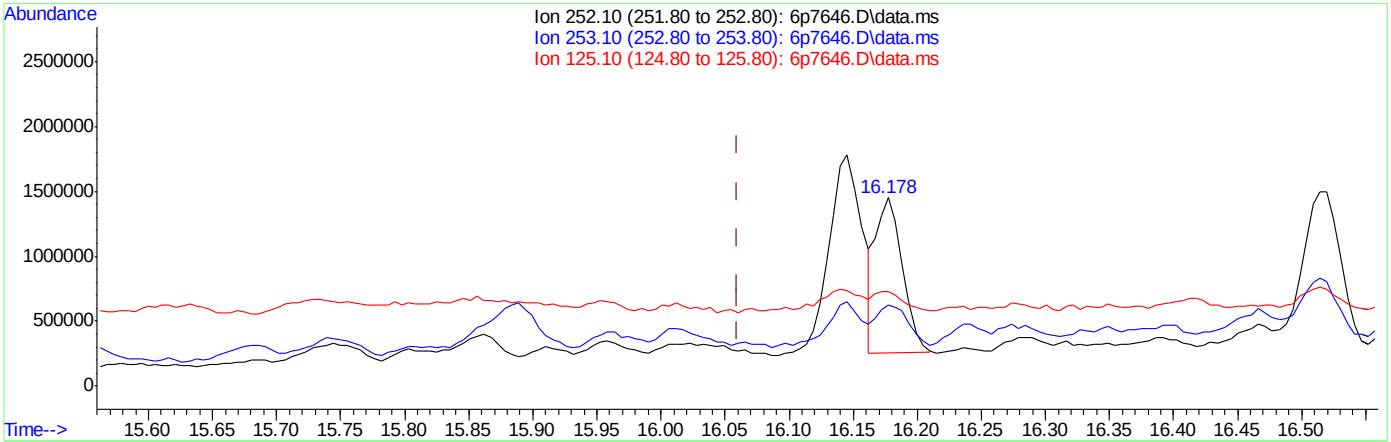
response 2757829

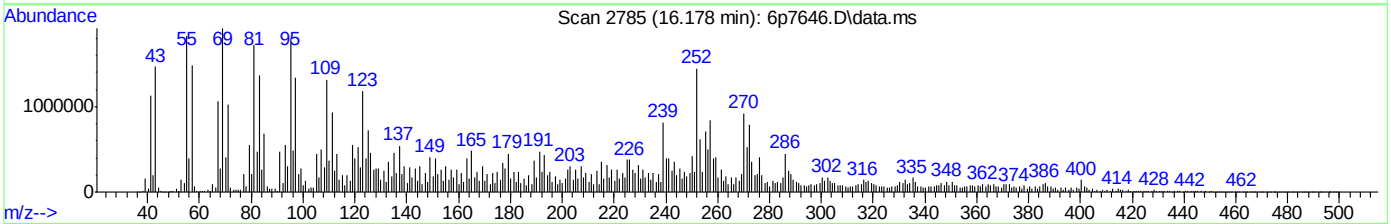
Ion	Exp%	Act%
252.10	100	100
253.20	24.80	36.61
125.10	14.90	41.45
0.00	0.00	0.00

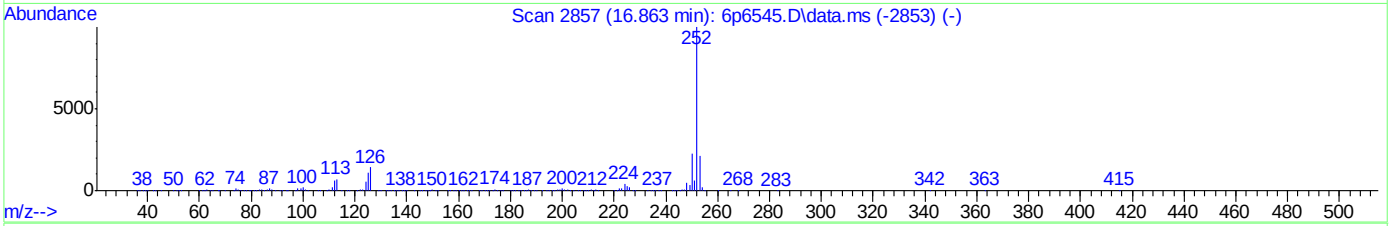
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(95) Benzo[k]fluoranthene (t)

16.178min (+0.118) 11.16ppb m

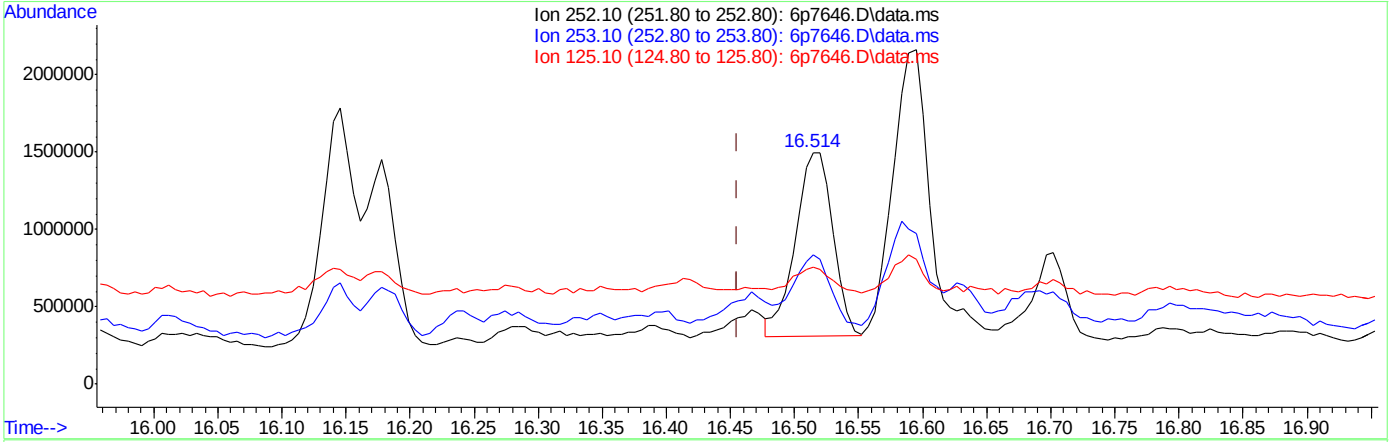
response 1732471

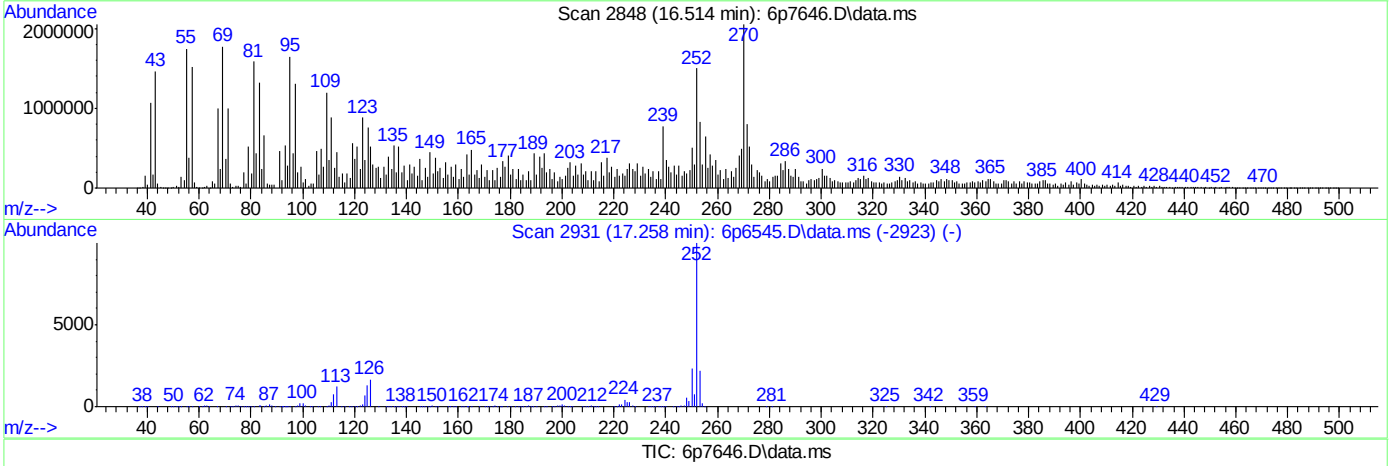
Ion	Exp%	Act%
252.10	100	100
253.10	21.10	43.01
125.10	10.90	50.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(96) Benzo[a]pyrene (t)

16.514min (+0.059) 16.78ppb m

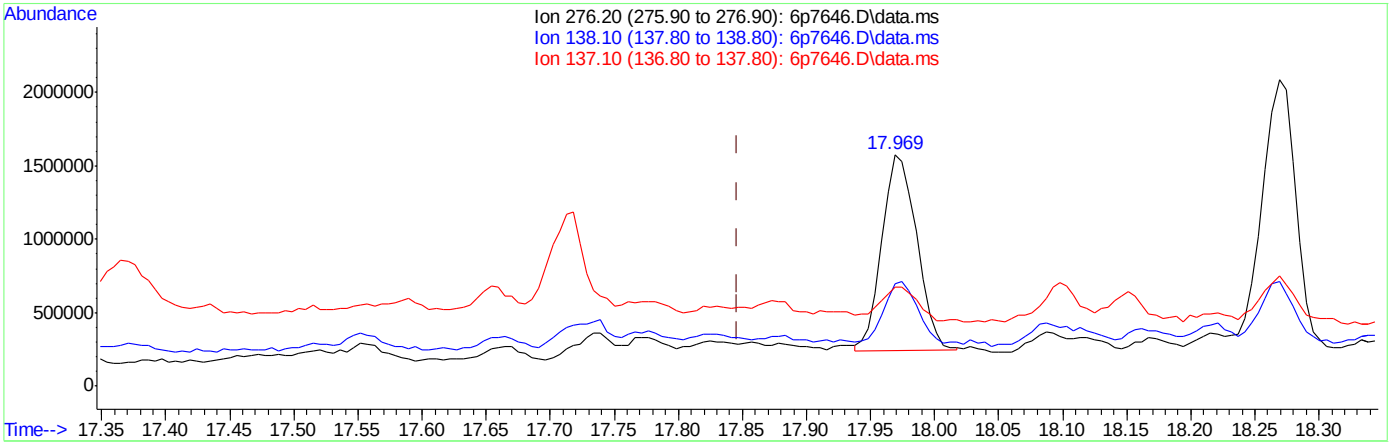
response 2432303

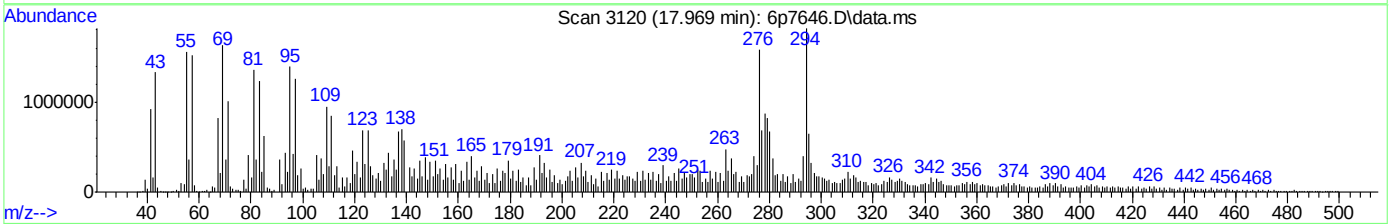
Ion	Exp%	Act%
252.10	100	100
253.10	22.00	55.69#
125.10	12.90	50.68#
0.00	0.00	0.00

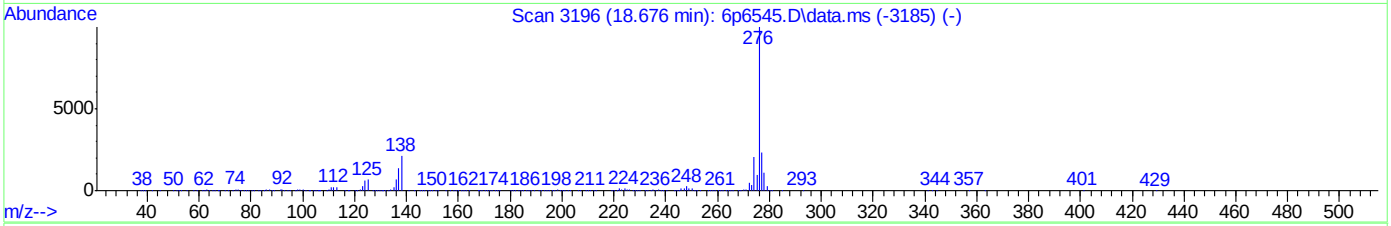
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:11:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.969min (+0.123) 16.91ppb m

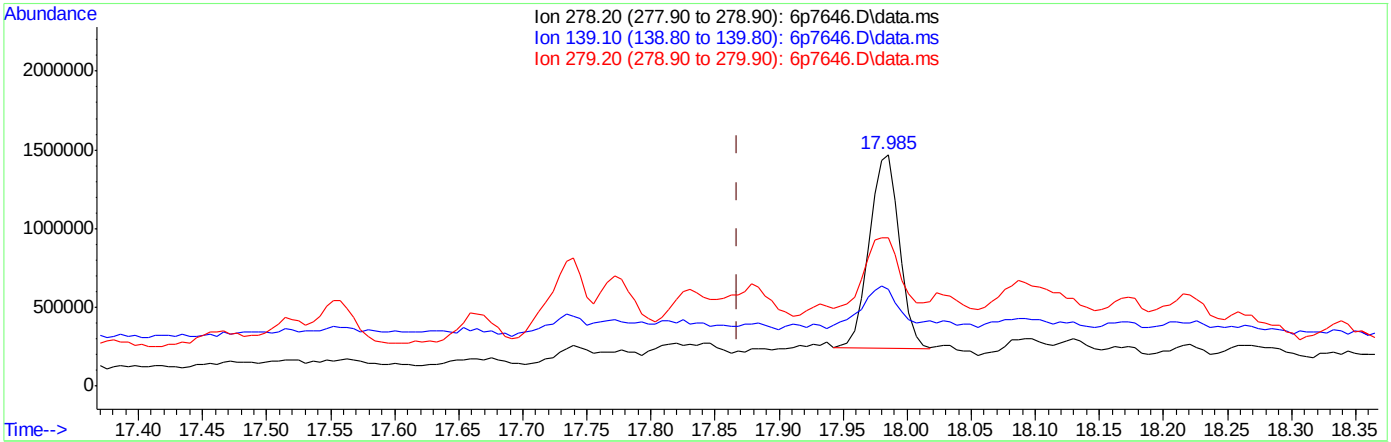
response 2526523

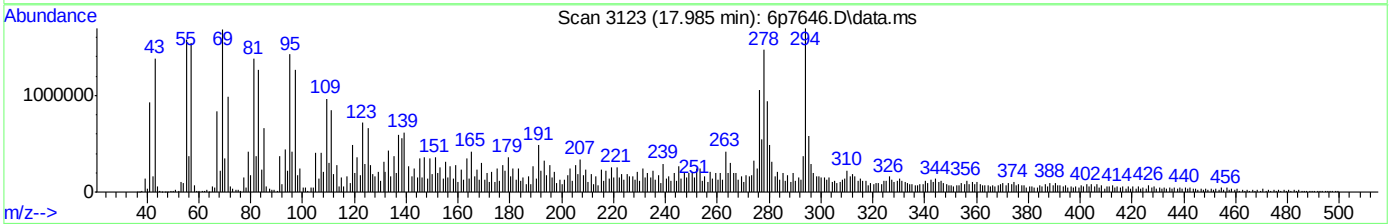
Ion	Exp%	Act%
276.20	100	100
138.10	17.00	44.35
137.10	11.90	42.60#
0.00	0.00	0.00

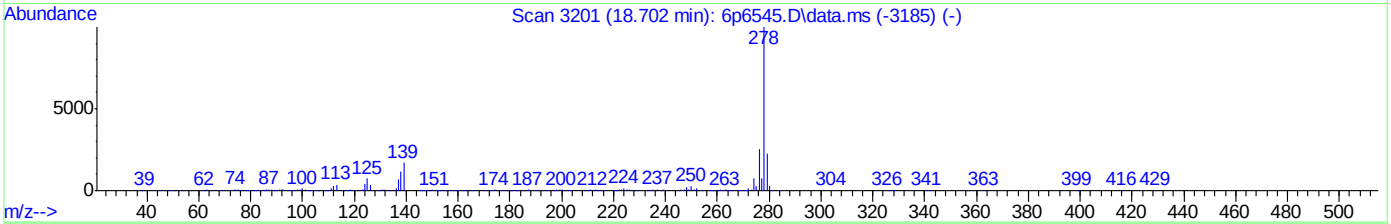
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:15:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(99) Dibenz[a,h]anthracene (t)

17.985min (+0.118) 14.10ppb m

response 2019543

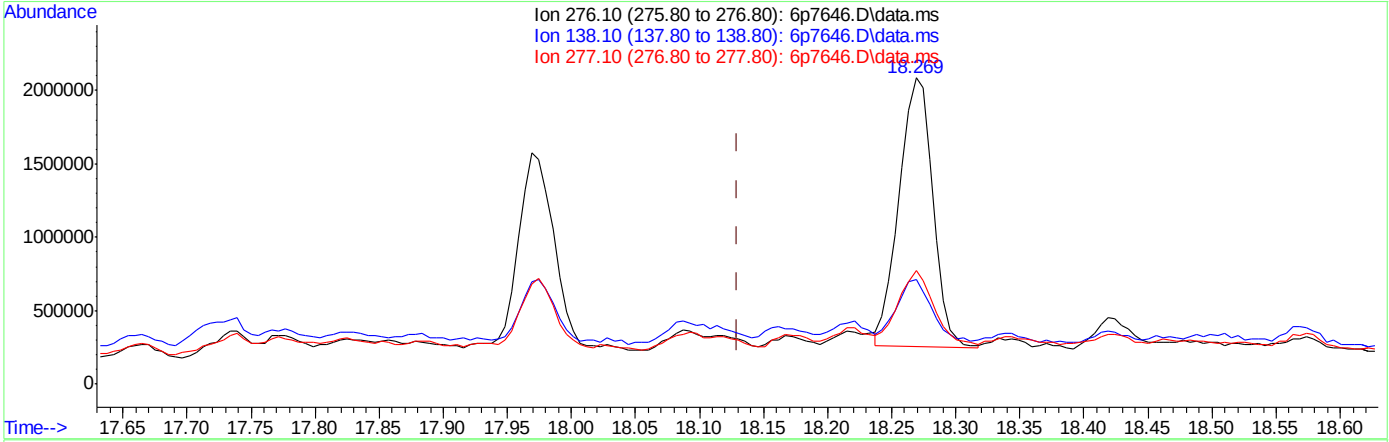
Ion	Exp%	Act%
278.20	100	100
139.10	16.90	41.91
279.20	22.90	63.84#
0.00	0.00	0.00

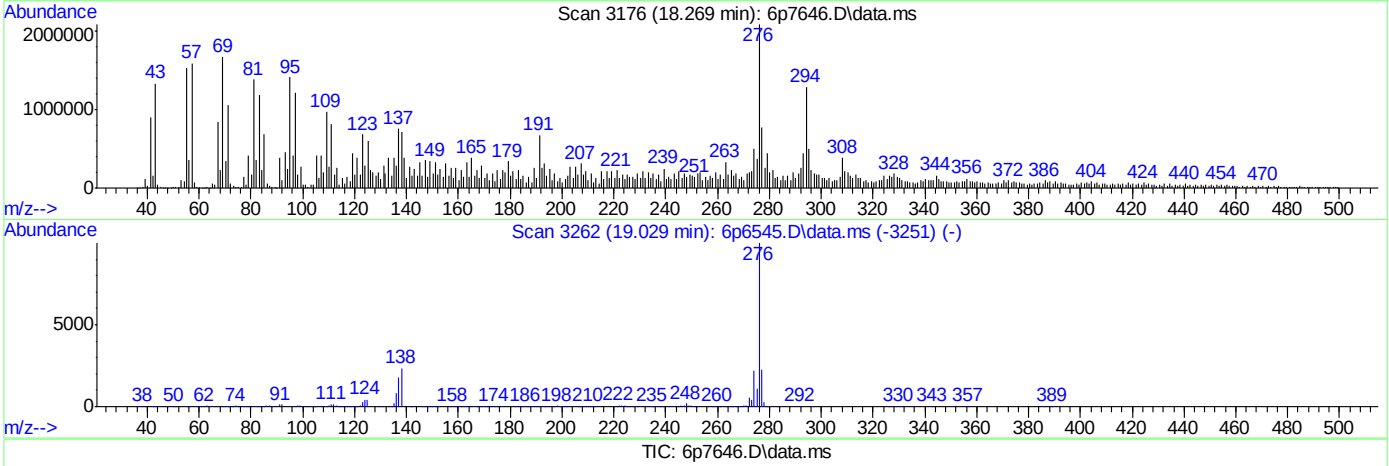
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:15:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration





TIC: 6p7646.D\data.ms

(101) Benzo[g,h,i]perylene (t)

18.269min (+0.139) 23.22ppb m

response 3318152

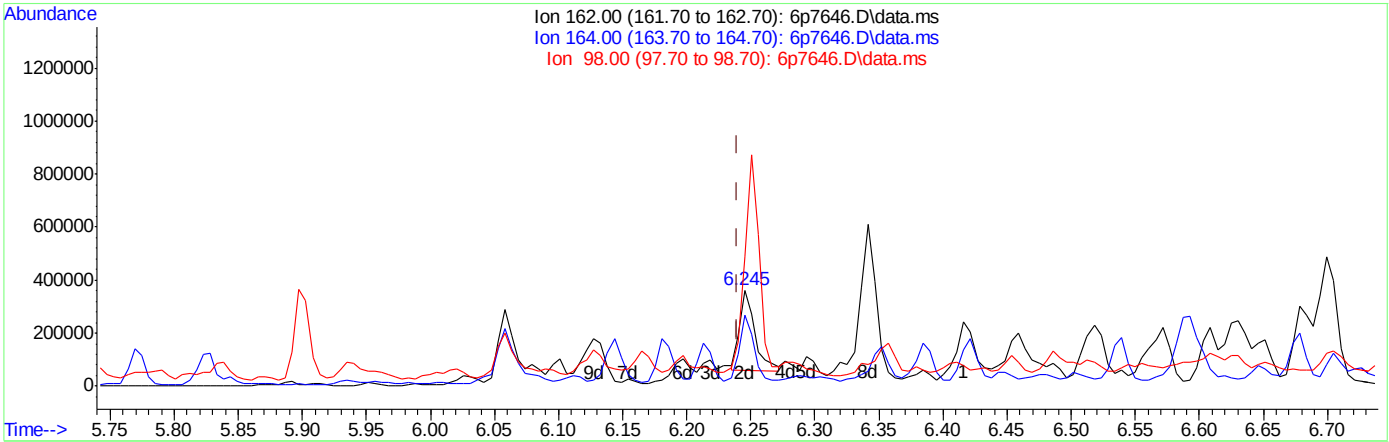
Ion	Exp%	Act%
276.10	100	100
138.10	23.40	34.25
277.10	22.90	37.10
0.00	0.00	0.00

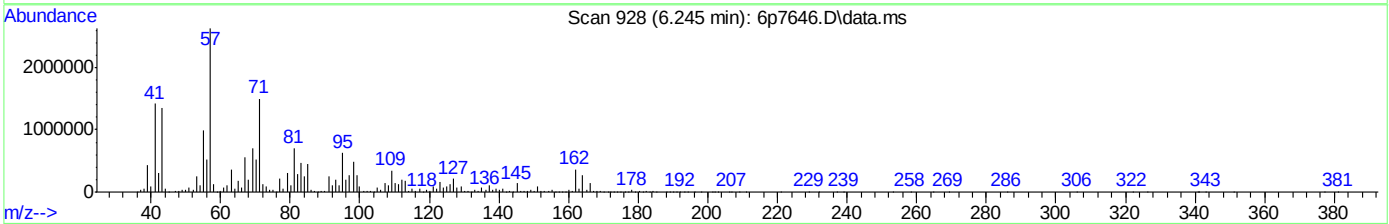
ACCUTEST LABORATORIES JB67744

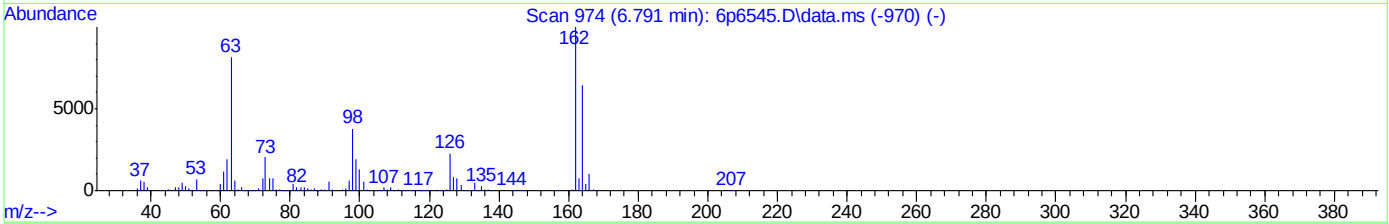
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7646.D
Acq On : 2 Jun 2014 5:49 pm
Operator : ashleyv
Sample : op75136-msd
Misc : op75136,e6p323,32.4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 15:15:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 14:53:05 2014
Response via : Initial Calibration







TIC: 6p7646.D\data.ms

(34) 2,6-Dichlorophenol

6.245min (+0.005) 8.42ppb m

response 253742

Ion	Exp%	Act%
162.00	100	100
164.00	64.20	52.35
98.00	38.70	17.43
0.00	0.00	0.00

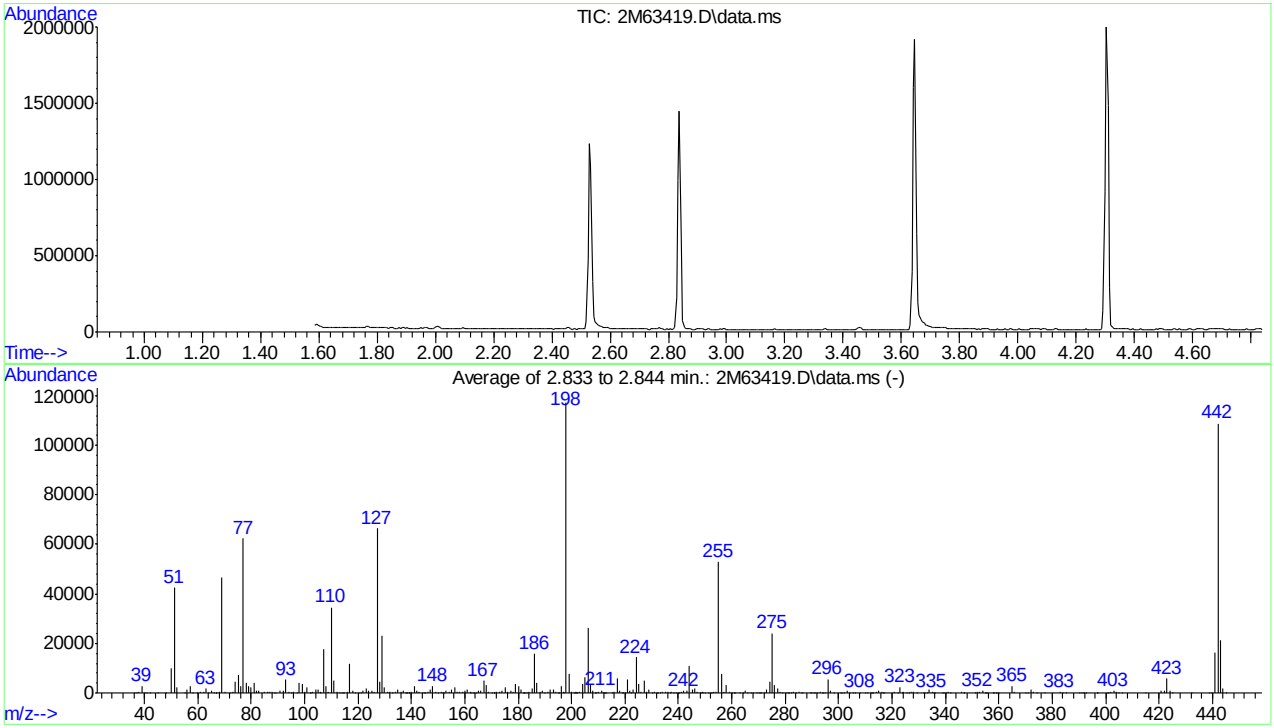
ACCUTEST LABORATORIES JB67744

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63419.D
Acq On : 13 May 2014 2:16 pm
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2693,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
Last Update : Thu Apr 24 10:21:01 2014



AutoFind: Scans 234, 235, 236; Background Corrected with Scan 229

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.2	42389	PASS
68	69	0.00	2	1.1	506	PASS
69	198	0.00	100	39.7	46590	PASS
70	69	0.00	2	0.6	273	PASS
127	198	40	60	56.7	66482	PASS
197	198	0.00	1	0.3	362	PASS
198	198	100	100	100.0	117232	PASS
199	198	5	9	6.7	7802	PASS
275	198	10	30	20.6	24181	PASS
365	198	1	100	2.3	2718	PASS
441	443	0.10	100	76.0	16083	PASS
442	198	40	100	92.7	108621	PASS
443	442	17	23	19.5	21155	PASS

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	20	52.10	2096	66.00	3	77.10	62261
36.90	57	55.05	120	66.80	30	78.05	3912
38.00	323	56.00	1169	67.00	12	79.00	2758
39.10	2747	57.00	2915	68.00	506	80.00	2120
39.95	35	58.05	116	69.00	46590	81.00	3868
41.00	17	59.90	42	70.05	273	81.95	723
42.00	13	61.05	578	71.90	27	82.95	933
44.90	130	62.05	526	73.00	346	85.00	672
47.90	33	63.05	1695	74.05	4487	85.95	445
50.05	10015	64.00	171	75.05	7253	86.95	483
51.10	42389	65.05	1039	76.10	2708	87.95	343

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.80	27	100.00	398	109.00	532	118.95	135
89.10	71	101.00	2276	110.00	34621	119.95	243
90.95	766	101.95	108	111.00	5027	121.00	73
92.00	983	102.30	47	112.00	523	122.00	833
93.00	5222	102.95	658	113.05	183	123.00	1652
94.00	461	104.00	1204	113.75	40	124.00	729
95.00	91	105.00	1399	114.10	30	125.00	823
96.00	448	105.80	83	114.50	28	126.15	382
97.00	82	106.05	358	116.05	634	127.10	66482
98.00	4086	107.00	17511	117.00	11562	128.05	4732
99.00	3513	108.00	2760	118.00	888	129.00	22880

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.95	2099	138.95	97	148.00	2869	158.10	443
131.00	411	139.20	30	148.95	582	159.00	325
131.95	264	140.05	289	150.05	211	160.05	781
132.90	14	141.05	2596	151.10	284	161.05	1262
134.00	561	142.00	852	151.50	82	162.05	270
135.00	1547	143.00	616	152.05	151	162.30	25
136.00	648	144.00	217	153.00	850	163.00	114
137.05	1105	144.90	29	154.00	679	163.30	29
137.70	43	145.10	115	155.10	1425	164.05	157
138.00	203	146.00	466	156.10	2430	164.95	956
138.40	18	147.05	1396	157.15	471	166.00	703

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
167.10	4803	177.05	851	186.10	15839	196.05	2843
168.10	3330	178.10	315	187.05	4165	196.80	206
169.05	566	179.00	3723	188.10	371	197.10	362
170.05	192	180.10	2673	189.00	885	198.00	117232
170.90	81	181.10	1325	190.00	150	199.00	7802
171.05	133	181.90	154	191.00	284	200.05	546
172.00	500	182.10	97	192.00	1257	200.80	61
173.00	635	182.40	34	193.00	1358	201.20	63
174.00	1128	182.95	147	194.05	409	201.45	460
175.10	2384	183.95	308	194.90	105	201.70	6
176.00	621	185.10	1896	195.15	126	202.10	94

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.05	563	212.00	71	221.70	790	231.90	30
204.10	3420	212.70	19	222.10	237	232.05	46
205.10	6249	213.10	35	223.00	1383	233.00	136
206.10	26419	214.95	204	224.10	14346	233.95	274

DFTPP2M.M Wed May 14 09:10:59 2014 MS2M

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207.05	3268	216.00	409	225.10	3534	235.00	383
208.05	874	217.00	6065	226.05	318	236.00	249
208.80	44	218.05	718	227.10	5054	236.80	36
209.05	161	218.80	27	228.05	651	237.10	386
210.10	287	219.05	60	229.05	1179	238.10	94
211.05	938	219.90	64	230.05	130	239.00	134
211.60	176	221.10	5518	231.10	513	239.80	37

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
240.05	145	249.10	108	259.00	558	269.85	66
241.05	295	250.00	97	260.00	109	270.60	25
242.05	804	250.95	121	260.90	75	271.00	71
243.10	797	251.80	41	261.20	43	272.00	156
244.10	11034	252.60	38	263.00	26	273.00	1589
245.10	1384	253.05	251	264.05	117	274.05	4437
246.00	1706	254.05	343	265.05	1102	275.10	24181
246.95	346	255.10	52794	266.00	184	276.10	3366
248.00	53	256.10	7687	266.90	30	277.05	1830
248.30	36	257.00	613	267.90	20	278.00	344
248.90	322	258.00	2966	269.10	19	278.90	65

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
280.30	18	290.70	40	301.00	53	313.00	24
281.00	26	291.10	25	302.00	171	314.10	321
281.20	27	292.05	121	303.05	777	315.00	734
282.00	45	293.05	441	304.05	226	316.05	404
282.95	248	293.90	20	305.10	38	316.80	19
283.95	187	294.10	153	306.20	18	317.10	43
285.00	380	295.00	122	308.00	140	320.95	249
285.90	21	296.00	5644	310.00	73	322.10	125
286.20	34	297.10	944	310.80	38	323.10	2318
289.15	81	298.10	49	312.10	34	323.90	97
289.90	21	300.80	66	312.60	20	324.10	294

Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
325.65	34	336.15	56	352.95	530	365.90	411
326.10	21	338.80	21	354.10	732	369.95	54
326.95	426	339.20	18	354.80	32	370.95	182
328.05	245	340.00	36	355.05	108	372.05	1504
329.05	51	341.00	301	355.80	21	373.00	339
331.80	35	341.95	64	357.70	16	373.95	61
332.00	169	346.00	527	358.20	20	376.90	24
333.05	181	346.80	18	358.90	34	382.95	387
334.05	1565	347.00	81	359.20	26	384.00	63
334.95	452	350.90	32	359.90	23	385.00	20
335.70	24	352.10	662	365.00	2718	390.00	216

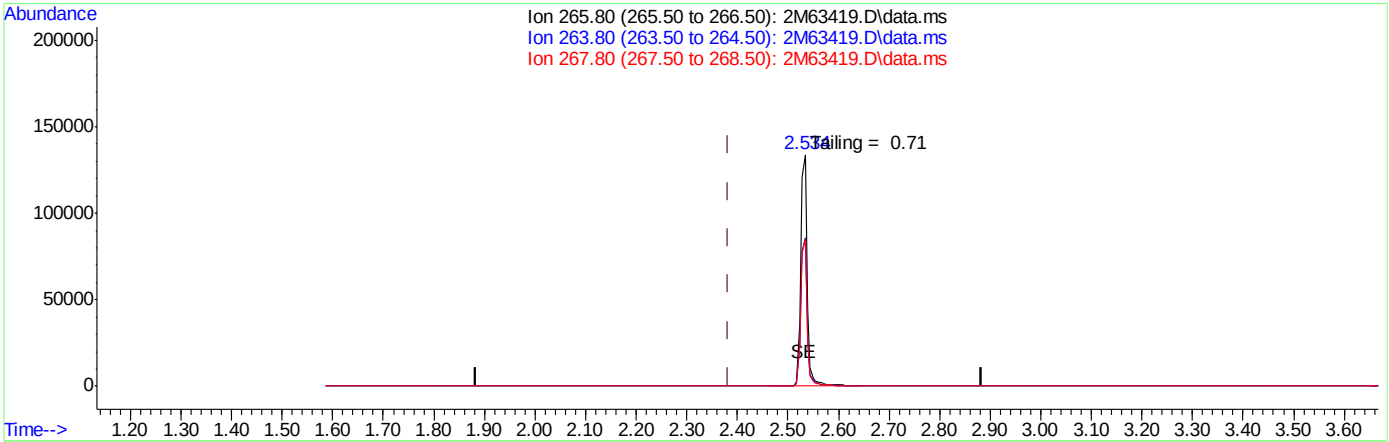
Average of 2.833 to 2.844 min.: 2M63419.D\data.ms
dftpp
Modified:subtracted

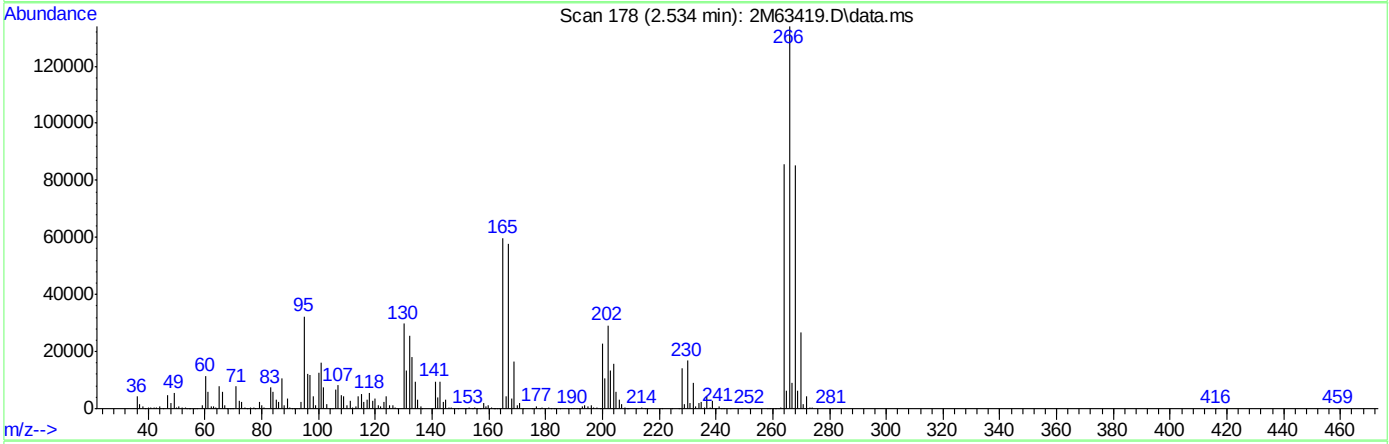
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
390.90	116	405.00	18	441.10	16083		
391.70	22	405.90	22	442.10	108621		
391.95	60	414.90	64	443.05	21155		
392.80	33	420.95	774	444.00	1787		
396.80	17	422.05	766	444.95	112		
397.00	42	423.05	5783				
400.70	42	424.00	969				
400.90	48	425.10	109				
402.00	591	432.10	18				
403.05	831	439.00	20				
404.05	313	439.80	22				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63419.D
Acq On : 13 May 2014 2:16 pm
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2693,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 14:22:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63419.D\data.ms

(1) Pentachlorophenol (t)

2.534min (+0.150) 7.96ppb

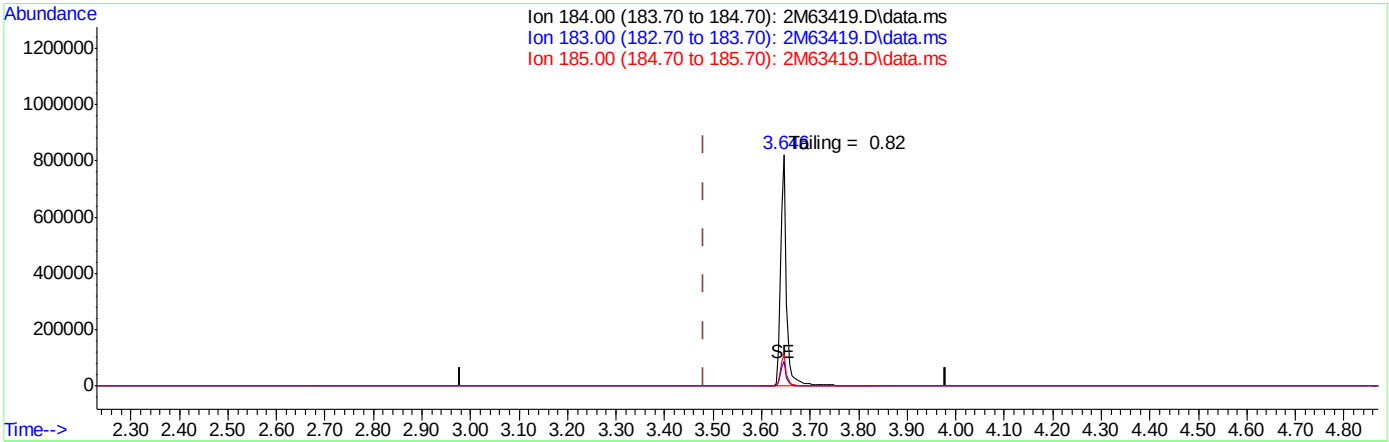
response 119791

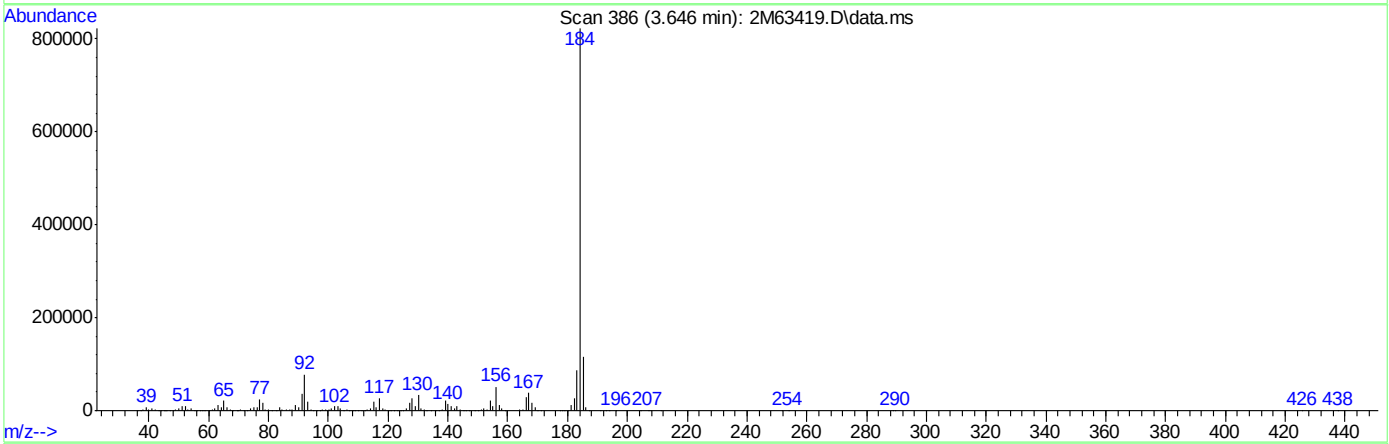
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	63.84
267.80	62.90	63.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63419.D
Acq On : 13 May 2014 2:16 pm
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2693,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 14:22:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63419.D\data.ms

(2) Benzidine (t)

3.646min (+0.166) 9.09ppb

response 705099

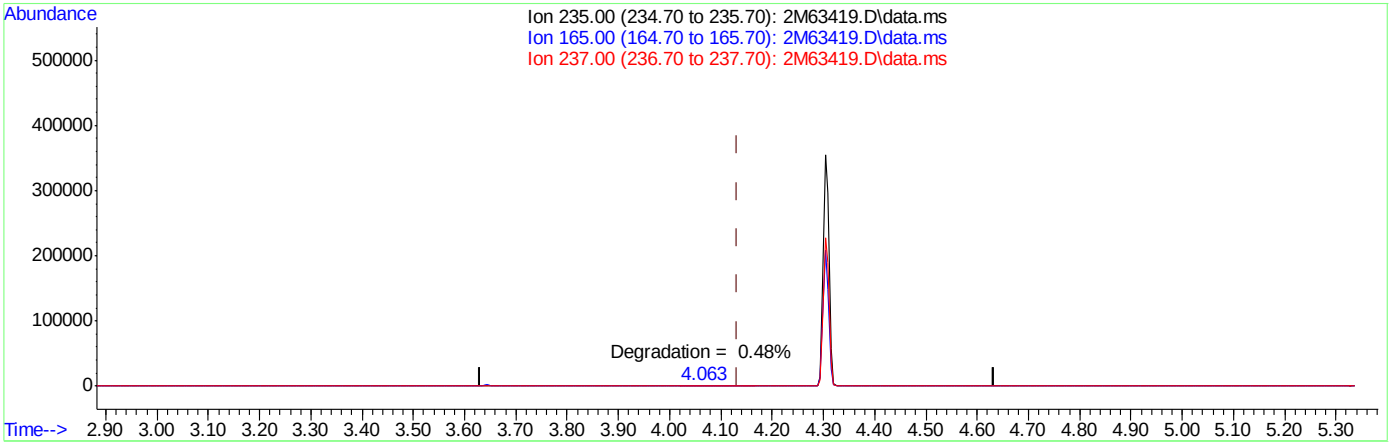
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.68
185.00	13.80	13.94
0.00	0.00	0.00

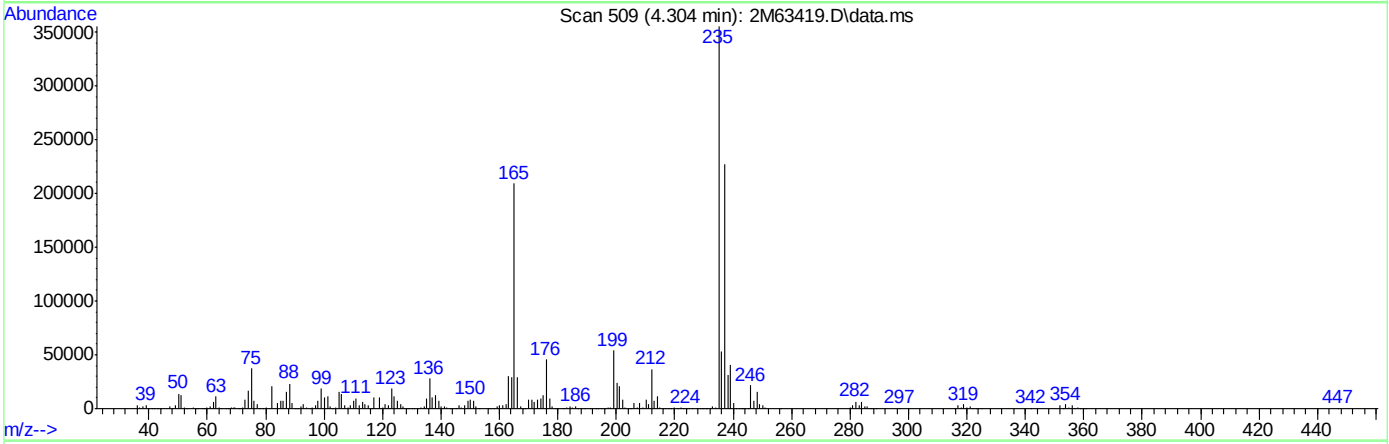
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63419.D
Acq On : 13 May 2014 2:16 pm
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2693,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 14:22:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63419.D\data.ms

(3) PP-DDT (t)

4.304min (+0.171) 6.70ppb

response 279284

Ion	Exp%	Act%
235.00	100	100
165.00	49.80	57.34
237.00	63.10	64.04
0.00	0.00	0.00

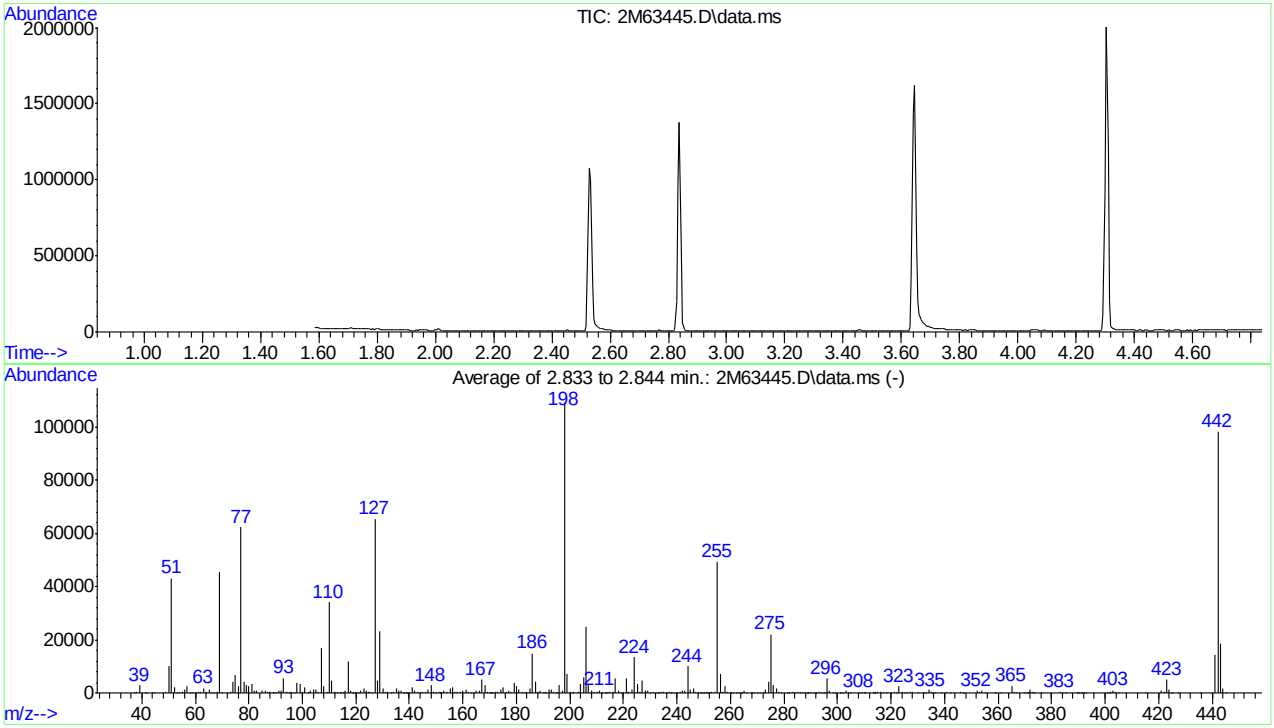
ACCUTEST LABORATORIES JB67744

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2694\
Data File : 2M63445.D
Acq On : 14 May 2014 10:53 am
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2694,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
Last Update : Thu Apr 24 10:21:01 2014



AutoFind: Scans 234, 235, 236; Background Corrected with Scan 229

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.5	43151	PASS
68	69	0.00	2	1.3	584	PASS
69	198	0.00	100	41.8	45660	PASS
70	69	0.00	2	0.2	86	PASS
127	198	40	60	59.9	65405	PASS
197	198	0.00	1	0.7	737	PASS
198	198	100	100	100.0	109165	PASS
199	198	5	9	6.4	7026	PASS
275	198	10	30	20.3	22110	PASS
365	198	1	100	2.4	2626	PASS
441	443	0.10	100	77.0	14405	PASS
442	198	40	100	89.9	98088	PASS
443	442	17	23	19.1	18710	PASS

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	149	53.10	132	64.05	233	76.00	2661
38.05	245	54.10	19	65.10	1092	77.05	62245
39.10	2946	55.00	236	65.95	98	78.10	4043
41.15	89	56.00	1165	67.05	121	79.05	2885
41.95	14	57.05	2719	68.10	584	80.00	2485
44.00	8	58.00	106	69.00	45660	81.00	3450
44.90	106	59.00	53	70.00	86	82.05	865
48.95	338	59.95	92	72.10	31	83.00	964
50.10	10121	61.05	524	73.00	304	85.00	835
51.05	43151	62.05	548	74.05	4388	86.00	839
52.05	2021	63.05	1689	75.00	6924	87.00	462

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	290	98.05	3963	109.10	636	118.70	44
89.05	84	99.00	3323	110.00	34030	119.05	143
89.30	17	100.00	350	111.05	4708	119.90	84
89.90	25	101.00	2322	112.05	588	120.10	98
91.00	741	102.00	107	113.00	168	121.00	170
91.95	708	102.95	657	114.05	39	122.00	964
93.00	5549	104.00	1123	114.40	19	123.00	1530
94.00	410	104.95	1075	114.95	49	124.00	809
95.00	89	105.95	455	116.00	770	124.90	356
96.00	250	107.05	16715	117.00	11614	125.05	544
97.00	122	108.00	2691	118.00	905	125.90	69

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.10	65405	137.90	87	147.05	1185	156.10	2226
128.10	4730	138.10	102	148.00	2759	157.10	453
129.00	23255	138.90	79	149.05	492	158.00	340
130.00	1893	139.10	89	150.00	205	159.05	392
131.05	331	139.95	213	151.05	353	160.00	748
132.05	255	141.05	2210	151.50	151	161.00	1277
132.90	71	142.05	876	151.70	50	161.95	442
133.95	521	143.00	519	152.00	123	162.95	160
135.05	1651	144.05	182	153.00	920	163.95	185
136.00	764	144.95	231	153.95	544	165.00	878
137.05	993	146.00	393	155.10	1541	166.10	777

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
167.05	4878	176.05	572	187.10	4111	196.00	3021
168.10	2919	177.05	727	188.05	395	197.00	737
169.05	452	178.00	443	189.00	672	198.00	109165
170.10	117	179.00	3661	189.90	132	199.00	7026
170.30	58	180.05	2629	190.90	100	200.00	595
170.80	75	181.05	1254	191.10	266	200.90	90
171.00	53	182.00	227	192.00	1107	201.60	474
172.00	437	182.90	122	193.05	1469	203.00	620
173.05	547	184.00	283	194.05	254	204.10	3560
174.10	1077	185.05	1857	194.80	77	205.10	5835
175.10	2198	186.10	14852	195.10	49	206.10	24687

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.05	3055	216.05	549	226.10	299	235.95	202
208.05	663	217.05	5534	227.10	4665	236.20	73
209.05	316	217.95	775	228.00	672	237.05	420
210.15	281	218.90	97	229.05	987	237.80	48

DFTPP2M.M Wed May 14 13:01:19 2014 MS2M

211.05	884	219.70	36	229.90	100	238.00	22
211.80	61	221.10	5648	231.05	457	238.95	219
212.00	125	221.70	200	231.90	118	240.00	148
212.95	85	222.10	273	232.90	29	241.00	270
213.70	38	223.05	1219	233.10	52	242.05	737
214.00	20	224.10	13464	234.00	296	243.05	756
214.95	259	225.10	3357	235.05	353	244.10	10105

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
245.10	1413	251.90	36	260.85	120	270.85	69
246.05	1794	252.15	126	262.20	19	272.05	174
247.00	396	253.00	281	263.10	37	273.05	1381
247.95	107	254.05	260	263.90	50	274.10	4331
248.90	72	255.10	49261	264.10	33	275.10	22110
249.05	218	256.10	7105	265.00	1007	276.05	2932
249.80	49	257.00	608	265.90	156	277.05	1671
250.10	38	258.05	2679	267.75	41	278.00	278
250.90	64	258.95	492	268.00	55	279.05	79
251.20	43	259.90	47	269.00	19	280.90	24
251.70	35	260.20	66	270.00	77	281.70	20

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
282.00	27	291.00	38	301.00	33	313.60	57
283.05	241	291.90	24	301.20	21	313.90	150
284.05	152	292.10	85	302.00	130	314.10	103
285.05	259	293.05	504	303.00	716	315.00	551
286.05	107	293.95	184	304.05	150	316.05	400
287.00	20	294.80	71	305.00	36	317.00	31
287.70	25	295.10	51	308.15	72	318.10	17
288.70	25	296.00	5459	309.00	39	319.90	24
288.90	23	297.00	906	310.00	68	321.05	259
289.10	43	298.10	20	310.30	18	322.05	144
289.95	72	298.90	20	313.30	17	323.10	2339

Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
324.05	456	335.60	21	354.95	159	372.05	1272
324.90	18	336.20	34	358.90	62	372.90	243
325.80	23	339.00	19	359.10	17	373.10	109
326.90	339	341.05	234	361.10	21	373.70	30
328.00	238	342.00	66	365.00	2626	376.30	22
330.00	31	346.00	483	365.95	467	383.10	293
332.00	139	346.80	20	367.00	38	383.95	102
332.20	35	347.05	65	369.70	50	385.30	18
333.00	221	352.10	665	370.85	103	389.70	19
334.05	1068	353.00	645	371.00	31	389.90	131
335.05	500	354.05	690	371.20	34	390.30	22

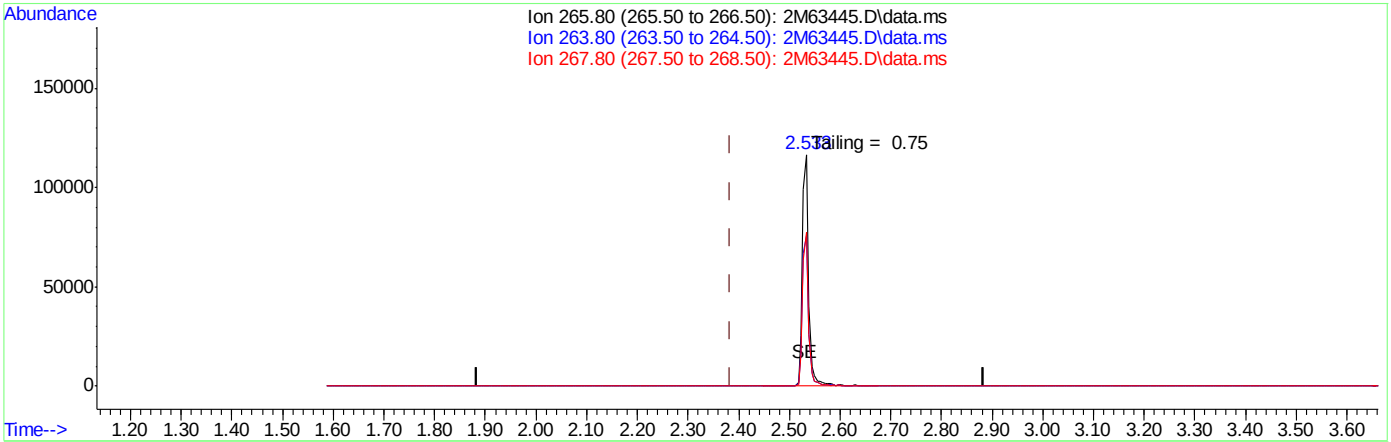
Average of 2.833 to 2.844 min.: 2M63445.D\data.ms
dftpp
Modified:subtracted

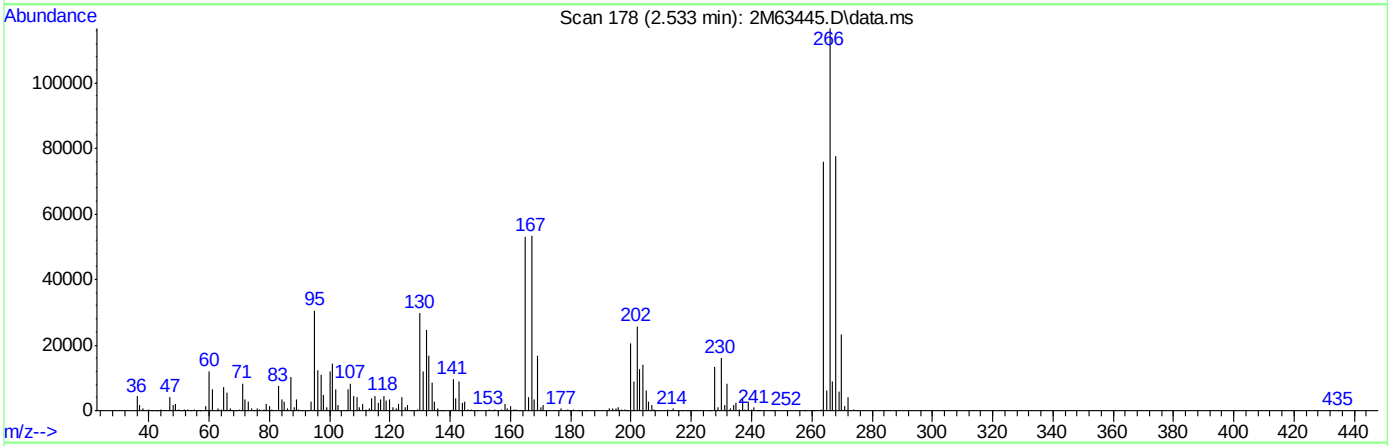
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
391.00	119	421.00	677	443.05	18710		
391.20	30	422.05	579	444.05	1704		
392.00	71	423.05	4882	445.05	105		
392.90	23	424.05	1136				
400.90	39	424.90	42				
401.80	68	425.10	110				
402.05	524	427.20	17				
403.00	851	435.60	20				
403.95	261	439.90	17				
404.95	44	441.05	14405				
415.00	34	442.10	98088				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2694\
Data File : 2M63445.D
Acq On : 14 May 2014 10:53 am
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2694,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 10:58:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63445.D\data.ms

(1) Pentachlorophenol (t)

2.533min (+0.150) 6.71ppb

response 101004

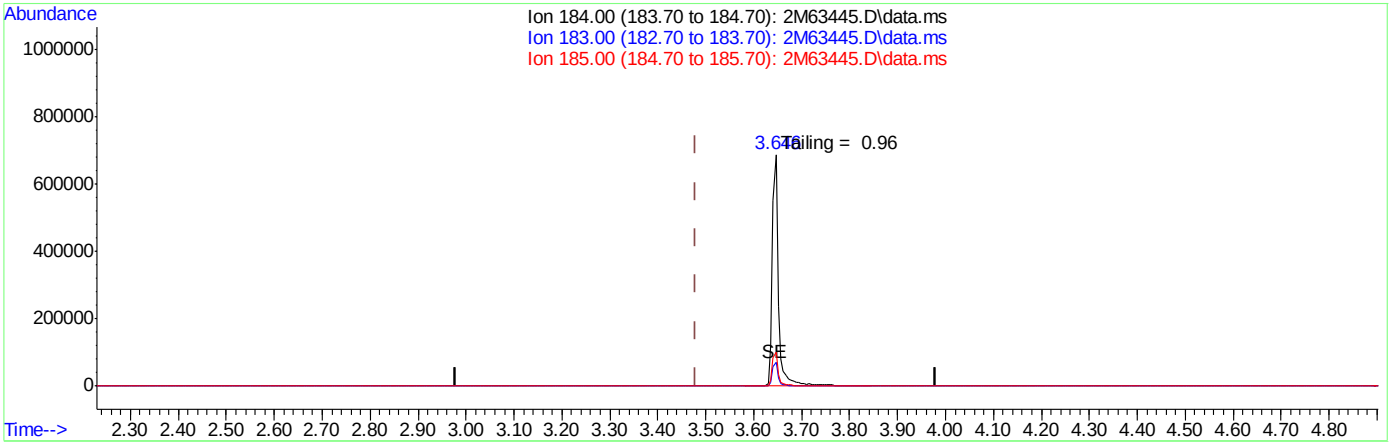
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	65.06
267.80	62.90	66.46
0.00	0.00	0.00

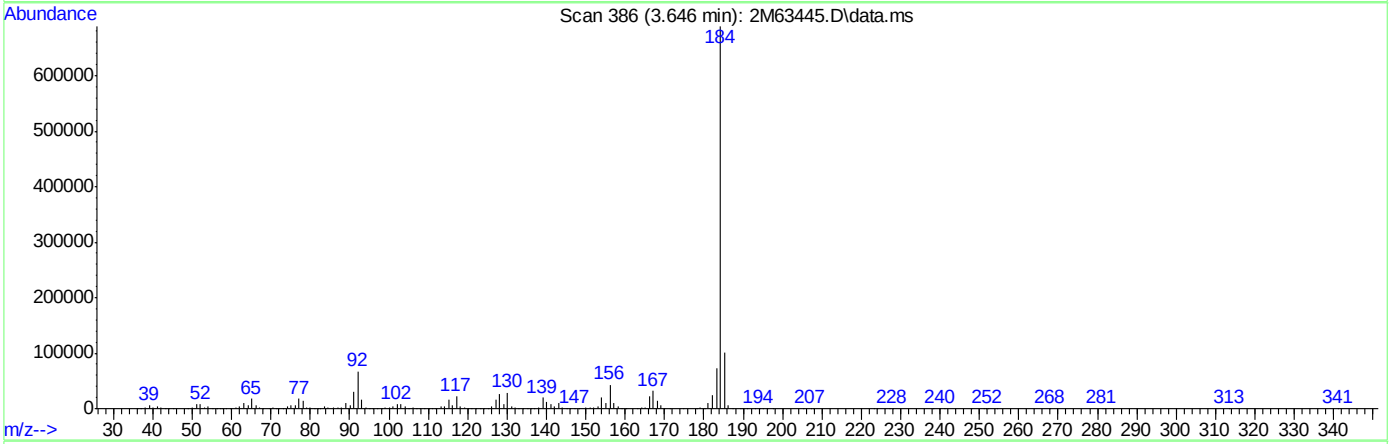
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2694\
Data File : 2M63445.D
Acq On : 14 May 2014 10:53 am
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2694,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 10:58:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63445.D\data.ms

(2) Benzidine (t)

3.646min (+0.166) 8.04ppb

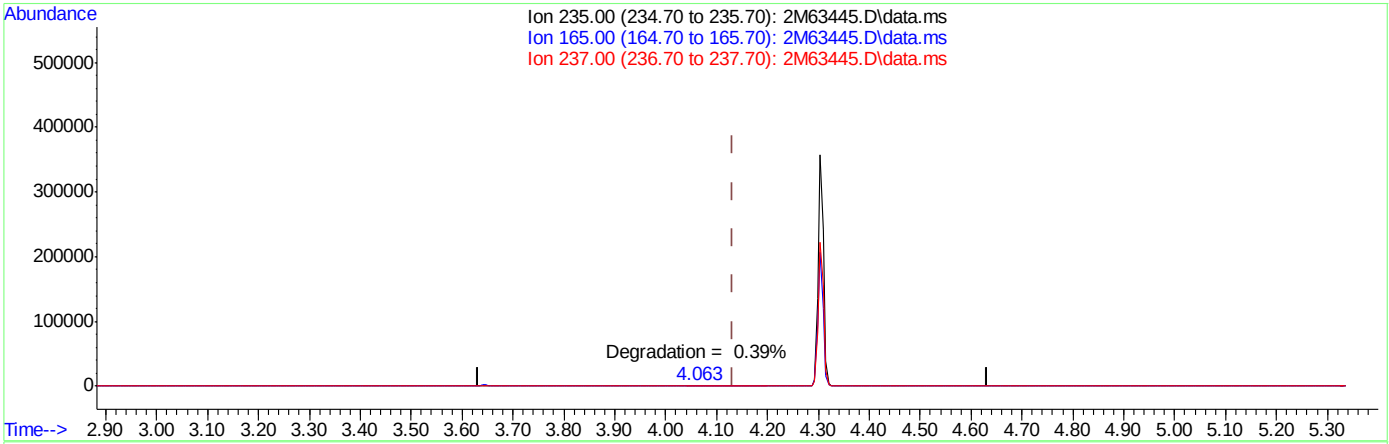
response 623100

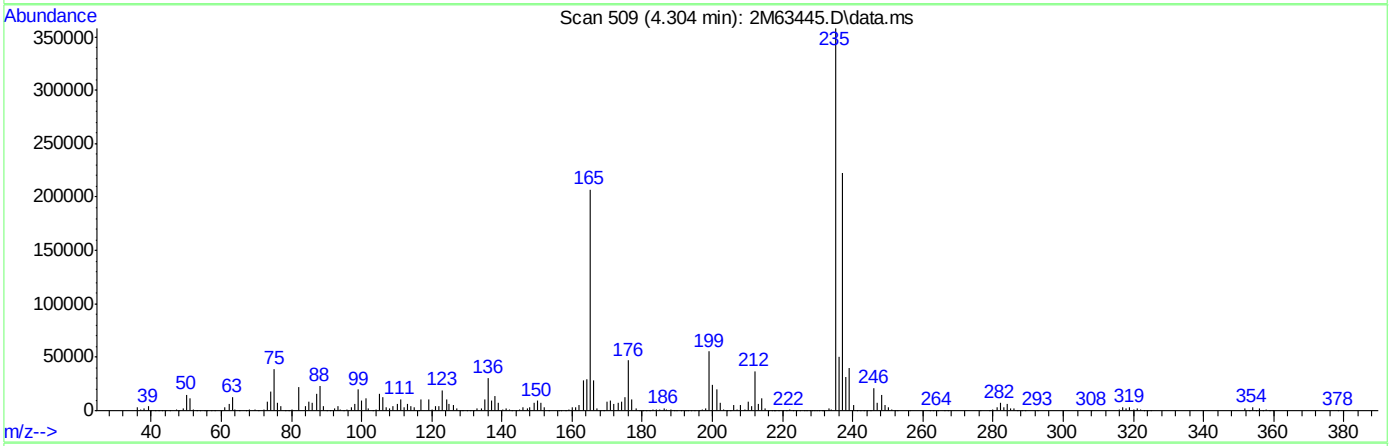
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.51
185.00	13.80	14.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2694\
Data File : 2M63445.D
Acq On : 14 May 2014 10:53 am
Operator : olgaa
Sample : dftpp
Misc : op74725,E2M2694,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 10:58:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63445.D\data.ms

(3) PP-DDT (t)

4.304min (+0.171) 6.10ppb

response 254199

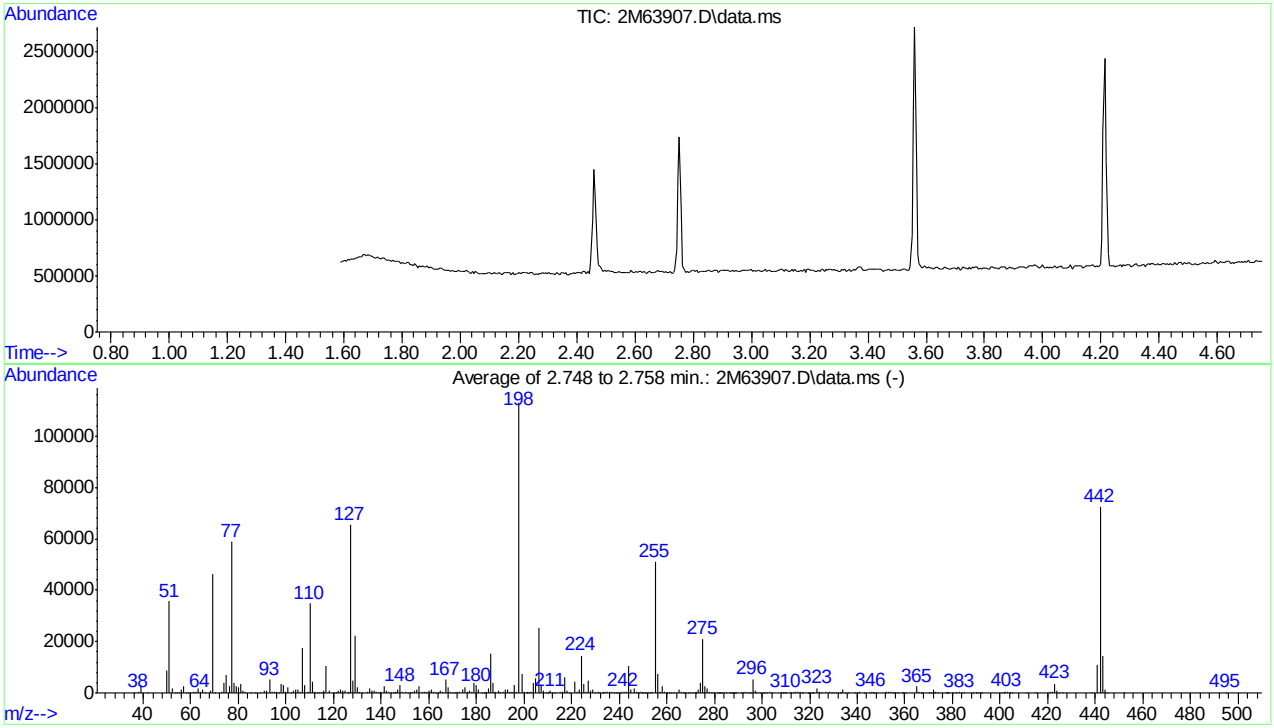
Ion	Exp%	Act%
235.00	100	100
165.00	49.80	57.48
237.00	63.10	63.03
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63907.D
Acq On : 27 May 2014 10:13 pm
Operator : ashleyd
Sample : dftpp
Misc : op75039,E2M2711
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
Last Update : Thu Apr 24 10:21:01 2014



AutoFind: Scans 218, 219, 220; Background Corrected with Scan 213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.6	35760	PASS
68	69	0.00	2	1.5	672	PASS
69	198	0.00	100	41.0	46316	PASS
70	69	0.00	2	0.4	186	PASS
127	198	40	60	57.8	65292	PASS
197	198	0.00	1	0.5	563	PASS
198	198	100	100	100.0	113037	PASS
199	198	5	9	6.7	7562	PASS
275	198	10	30	18.6	21059	PASS
365	198	1	100	2.2	2460	PASS
441	443	0.10	100	75.5	10800	PASS
442	198	40	100	64.0	72346	PASS
443	442	17	23	19.8	14310	PASS

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	93	57.05	2839	69.00	46316	82.00	1009
38.00	327	58.00	6	69.95	186	83.00	464
39.10	2869	58.95	41	73.05	298	85.00	47
42.00	217	60.00	39	74.00	4128	86.95	129
50.05	8635	61.00	571	75.00	6926	88.80	64
51.05	35760	62.00	641	76.05	2522	91.00	882
52.05	1817	63.00	1583	77.05	58743	91.90	761
53.05	141	64.00	238	78.10	4134	93.00	5173
53.95	78	65.10	1190	79.00	2824	93.95	289
55.10	20	65.95	21	79.95	2165	95.10	246
56.05	1123	68.05	672	81.00	3362	95.95	423

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.05	22	108.00	2948	120.00	202	129.95	2096
98.00	3664	109.10	568	121.00	153	131.00	365
99.00	3161	110.00	34894	122.00	930	132.00	94
99.95	251	111.00	4254	123.00	1468	134.00	339
100.95	2264	112.00	488	124.00	714	135.00	1894
101.95	115	113.05	155	124.95	840	135.95	673
102.95	765	114.00	84	125.95	102	137.00	749
104.00	1327	115.05	120	126.20	285	138.05	345
105.00	1121	116.00	686	127.05	65292	139.05	135
106.05	458	117.00	10678	128.00	4642	139.95	287
107.00	17321	118.00	772	128.95	22381	141.05	2608

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.05	983	152.00	104	163.00	117	174.00	1121
143.05	624	152.95	658	164.00	120	175.10	2396
144.05	161	154.00	739	165.00	756	176.10	583
145.00	163	155.05	1297	165.95	594	177.00	796
145.80	58	156.05	2471	167.10	5090	178.00	312
146.10	322	157.10	341	168.00	2331	179.00	3773
147.00	1143	158.00	576	169.05	511	180.10	2967
148.00	2862	159.00	234	170.00	145	181.05	1256
149.00	644	160.05	707	170.95	219	182.00	223
150.10	306	161.00	1269	172.00	455	182.95	95
151.05	231	162.00	234	173.00	662	183.30	61

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.00	272	194.95	255	205.05	5811	216.05	585
185.05	1866	196.05	3110	206.05	25180	217.00	6227
186.10	15257	196.90	563	207.05	3250	218.00	812
187.00	4145	198.00	113037	208.00	766	219.20	152
188.10	388	199.00	7562	209.00	154	221.10	4539
189.10	912	199.95	499	210.10	200	222.10	270
189.90	67	201.15	109	210.60	406	223.05	1251
191.05	246	201.45	408	211.05	847	224.10	14420
191.95	1113	202.10	110	212.00	174	225.10	3643
193.05	1289	202.95	548	212.90	35	226.05	360
194.00	283	204.05	3805	215.10	255	227.10	4955

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
227.95	872	238.00	107	247.80	38	256.05	7443
229.00	1160	238.80	58	248.00	37	257.05	576
229.95	200	239.00	27	249.05	310	258.05	2838
231.05	448	239.95	63	249.80	24	259.00	407

DFTPP2M.M Thu May 29 16:14:53 2014 MS2M

231.85	115	241.00	353	250.00	76	259.95	124
232.90	84	242.00	580	250.80	22	261.00	21
233.10	22	243.05	662	251.10	94	261.70	18
234.00	386	244.05	10619	252.05	167	263.00	34
235.05	423	245.05	1373	253.05	151	265.05	1168
236.00	320	246.10	1740	254.00	243	265.95	288
237.05	372	247.00	353	255.10	50861	266.80	58

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
267.00	42	276.10	2600	285.00	217	293.70	31
267.80	38	277.10	1659	286.20	59	294.90	19
268.90	19	277.95	342	286.80	25	295.10	40
270.00	132	279.00	52	287.10	40	296.05	5454
271.00	74	279.90	23	287.80	49	297.00	717
271.60	20	280.95	6	288.20	28	297.85	39
272.10	150	281.90	23	288.75	35	298.80	17
272.30	67	282.10	8	289.10	48	300.50	17
273.05	1511	282.70	51	290.80	79	301.00	116
274.00	3777	283.05	177	291.95	99	301.95	114
275.10	21059	283.95	176	293.00	354	303.05	612

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
304.05	221	315.05	564	325.00	17	336.10	19
307.90	26	316.05	377	327.00	403	339.00	60
308.10	20	316.90	35	328.05	271	340.05	37
308.70	20	317.15	46	328.95	56	340.95	260
309.00	69	319.10	22	330.30	26	342.80	20
309.80	26	319.90	26	330.90	18	345.30	17
310.00	86	320.90	27	332.00	134	345.95	518
311.80	16	321.05	200	332.90	146	346.80	28
312.30	17	321.85	98	333.10	95	346.95	58
313.00	22	323.10	1955	334.05	1245	348.10	34
314.05	304	323.95	396	335.05	223	351.90	156

Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.05	492	366.00	358	378.00	37	391.90	39
353.00	524	366.70	24	378.30	18	392.10	20
354.10	625	367.10	18	379.90	18	400.95	53
354.95	109	370.20	88	381.30	27	401.80	83
355.20	23	371.05	148	383.00	358	401.95	364
355.80	16	372.05	1254	384.00	81	403.05	606
357.00	16	372.70	35	384.85	50	403.90	199
358.90	44	373.10	243	388.70	22	404.10	74
359.10	34	373.85	51	389.80	57	405.00	18
360.25	48	377.00	24	390.05	92	411.10	20
365.00	2460	377.70	28	390.95	112	415.05	60

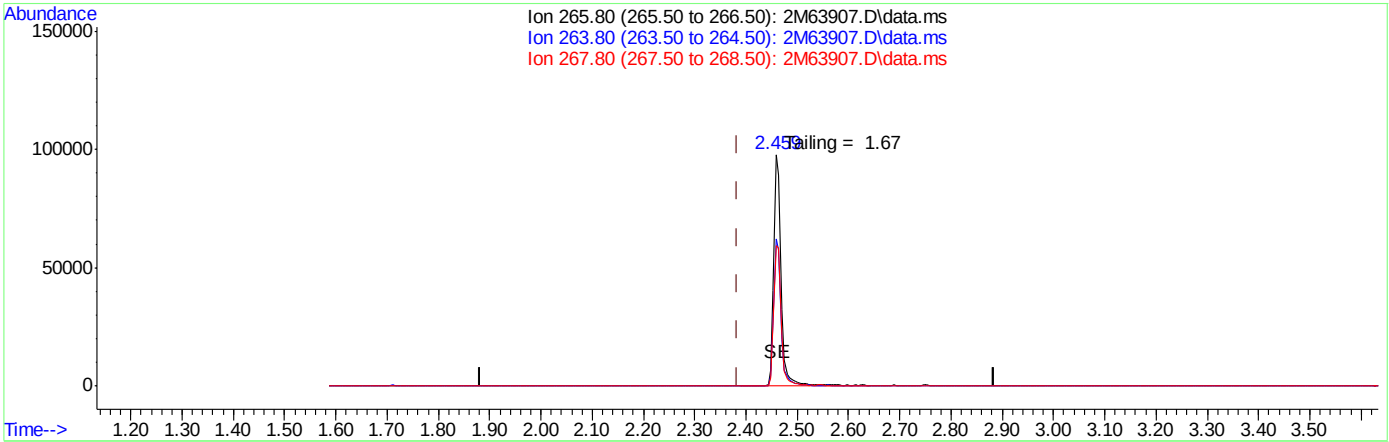
Average of 2.748 to 2.758 min.: 2M63907.D\data.ms
dftpp
Modified:subtracted

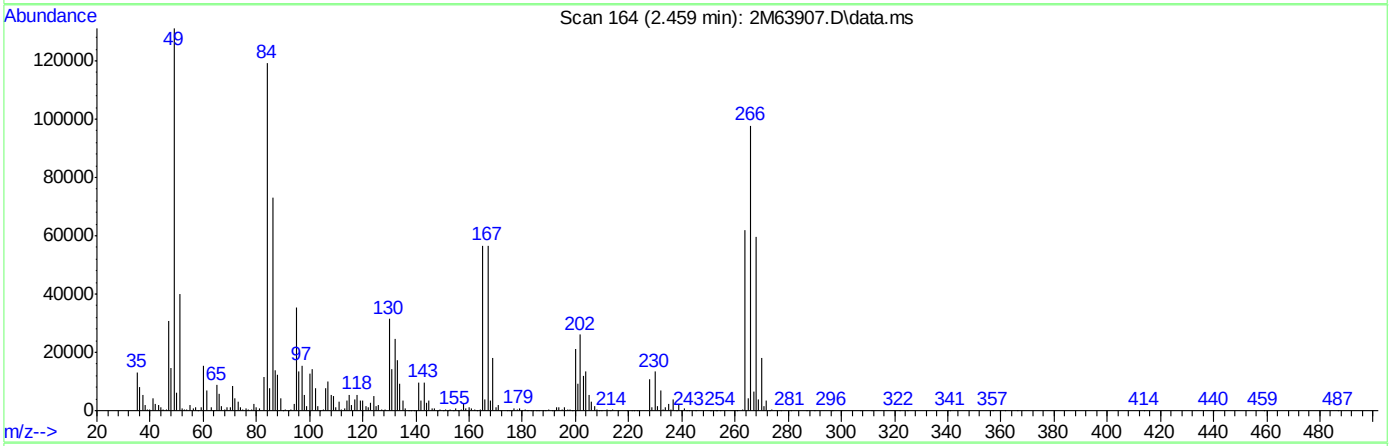
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
420.95	538	444.90	45				
422.05	473	452.00	20				
423.00	3670	494.80	22				
424.05	698						
424.95	66						
426.30	23						
438.40	20						
441.00	10800						
442.05	72346						
443.05	14310						
444.00	1183						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63907.D
Acq On : 27 May 2014 10:13 pm
Operator : ashleyd
Sample : dftpp
Misc : op75039,E2M2711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 22:19:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63907.D\data.ms

(1) Pentachlorophenol (t)

2.459min (+0.075) 6.48ppb

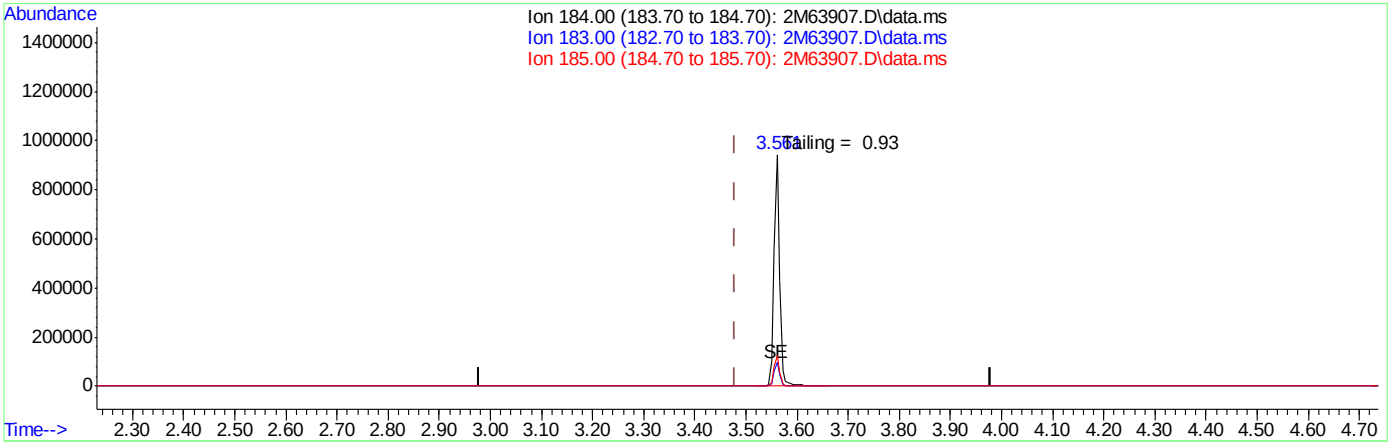
response 97538

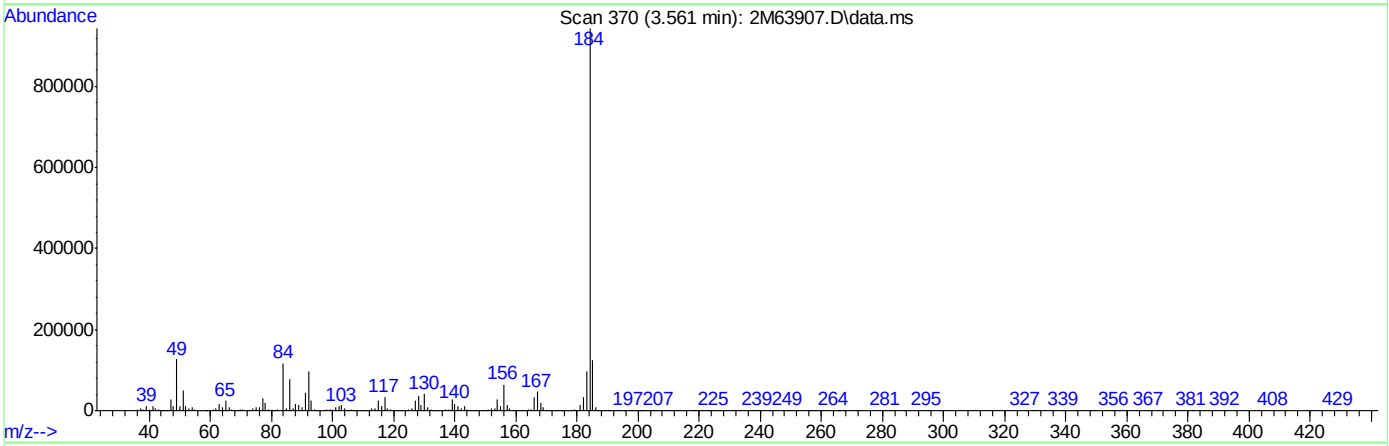
Ion	Exp%	Act%
265.80	100	100
263.80	63.20	63.43
267.80	62.90	60.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63907.D
Acq On : 27 May 2014 10:13 pm
Operator : ashleyd
Sample : dftpp
Misc : op75039,E2M2711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 22:19:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63907.D\data.ms

(2) Benzidine (t)

3.561min (+0.080) 9.17ppb

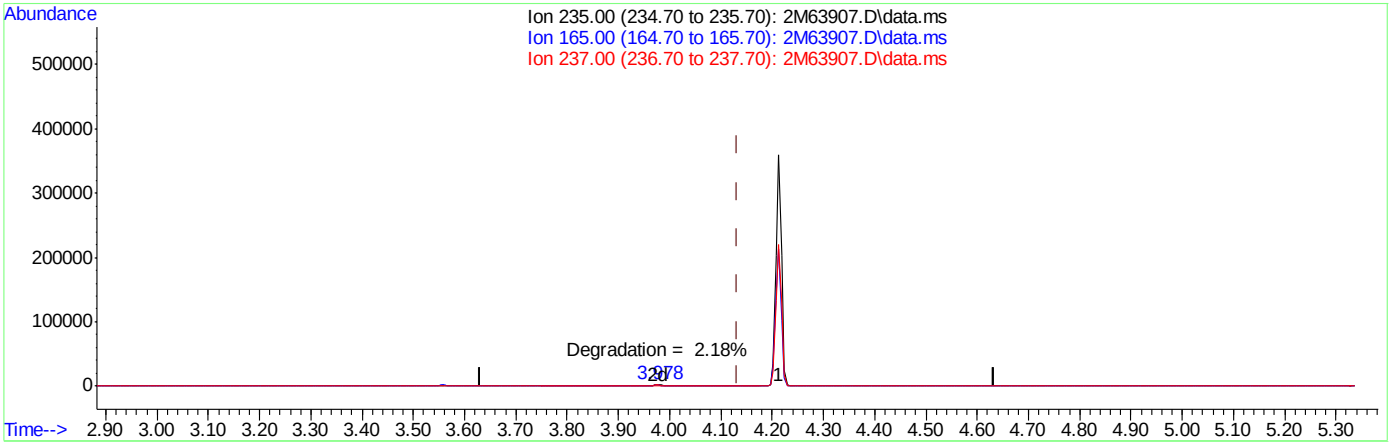
response 710612

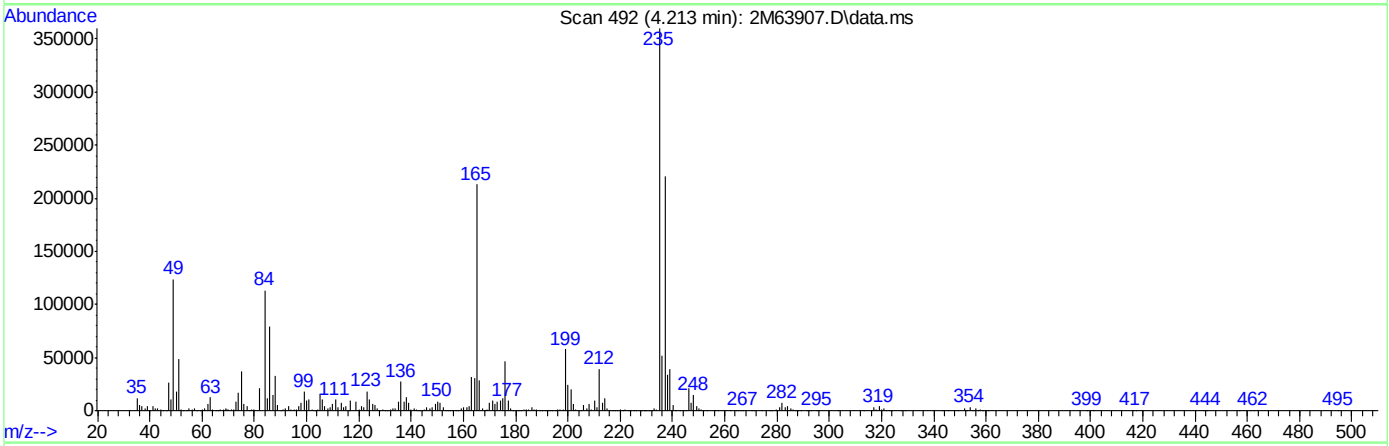
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	10.31
185.00	13.80	13.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63907.D
Acq On : 27 May 2014 10:13 pm
Operator : ashleyd
Sample : dftpp
Misc : op75039,E2M2711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 22:19:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, rxi-5msil ms 30m x .25mm x .Thu Apr 24 10:21:01 2014
QLast Update : Thu Apr 24 10:21:01 2014
Response via : Initial Calibration





TIC: 2M63907.D\data.ms

(3) PP-DDT (t)

4.213min (+0.080) 6.40ppb

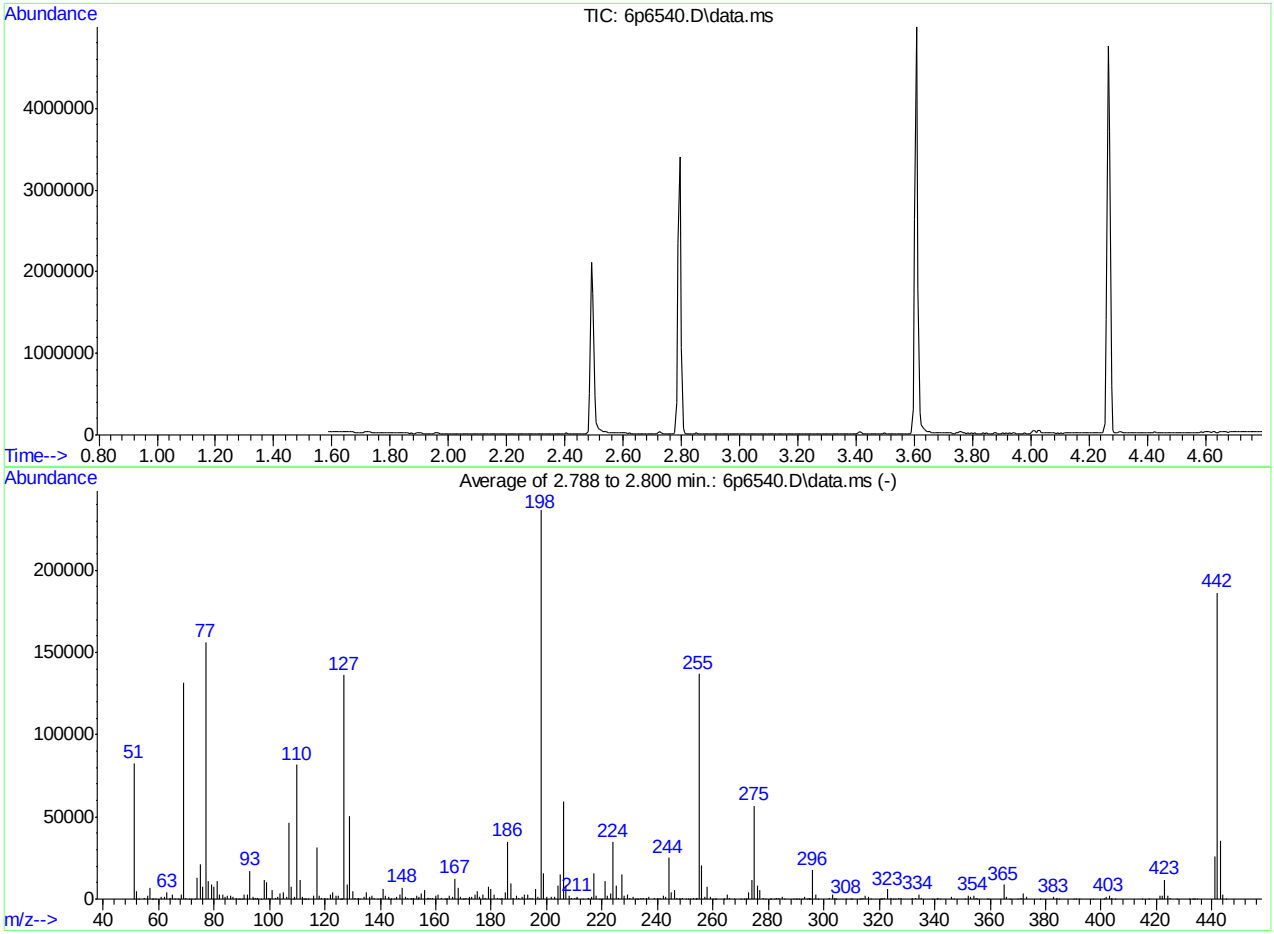
response 266833

Ion	Exp%	Act%
235.00	100	100
165.00	49.80	60.77
237.00	63.10	62.93
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\e6p276\6p6540.D Vial: 1
Acq On : 26 Apr 2014 10:29 am Operator: ashleyd
Sample : dftpp Inst : MS6P
Misc : op73158,e6p276 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 211, 212, 213; Background Corrected with Scan 207

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.0	82787	PASS
68	69	0.00	2	1.9	2528	PASS
69	198	0.00	100	55.8	131826	PASS
70	69	0.00	2	0.6	773	PASS
127	198	40	60	57.7	136277	PASS
197	198	0.00	1	0.7	1570	PASS
198	198	100	100	100.0	236363	PASS
199	198	5	9	6.8	16015	PASS
275	198	10	30	24.0	56792	PASS
365	198	1	100	3.7	8686	PASS
441	443	0.01	100	72.4	25906	PASS
442	198	40	100	78.8	186251	PASS
443	442	17	23	19.2	35779	PASS

6p6540.D DFTPP6P.M Mon Apr 28 12:09:47 2014 RPT1

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.05	82787	63.00	4448	74.00	12957	84.95	2300
52.05	4791	64.00	699	75.00	21403	85.95	2325
53.05	348	65.00	2496	76.00	7184	86.95	1501
54.90	527	65.90	96	77.00	156479	87.95	667
55.95	2379	67.00	204	78.00	10992	88.90	35
57.00	7104	68.05	2528	79.00	8804	89.20	101
57.80	132	69.00	131826	80.00	7607	90.10	75
58.05	260	69.95	773	81.00	10914	90.95	2602
58.80	68	71.00	132	81.95	3012	91.95	2655
61.00	1531	71.90	67	83.00	2990	93.00	17105
62.05	1718	72.90	217	83.95	1089	94.00	1327

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.20	111	102.95	1636	112.20	143	123.00	3862
94.95	472	104.00	3652	112.80	87	123.90	1977
95.20	90	105.00	3944	113.00	326	124.95	1918
95.90	497	106.10	1094	113.80	120	125.70	167
96.80	97	107.00	46337	115.95	2229	125.90	256
98.00	11747	108.00	7307	117.00	31373	126.20	263
99.00	10193	108.80	153	117.95	2118	127.00	136277
99.95	909	109.05	1349	118.95	400	127.95	9161
100.20	69	110.00	81720	120.05	709	129.00	50791
100.95	5745	111.00	11658	120.90	104	130.00	4663
102.00	433	112.00	1361	121.90	2537	131.00	1005

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.90	235	142.00	2185	151.00	310	157.90	998
132.10	425	142.90	1304	151.15	461	158.95	860
132.50	71	143.10	246	151.80	443	159.95	1944
133.95	1446	143.80	141	152.10	113	161.00	2900
135.00	4056	144.00	144	153.00	2033	162.00	797
136.00	1643	144.85	253	153.70	75	163.15	354
137.05	2270	146.00	1330	154.05	1453	163.70	108
137.90	543	147.05	2920	154.90	3098	164.15	239
139.00	355	148.00	7009	156.05	5401	164.90	2251
140.15	671	149.00	1668	157.05	534	165.95	1711
141.05	6129	149.95	368	157.30	442	167.00	12528

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.00	6689	177.00	2433	188.00	1024	198.00	236363
169.10	1194	178.00	428	189.00	2226	199.00	16015
169.90	181	179.00	7801	189.95	609	199.95	1686
170.20	139	180.00	6312	191.10	1181	201.50	1086
170.95	496	181.00	2723	192.00	2595	202.95	1551
171.70	131	182.05	539	193.00	3068	204.05	8384
172.00	1230	182.90	239	193.95	653	205.00	15363
172.95	1627	183.95	551	194.95	476	206.05	59259
174.00	2739	185.00	4303	196.00	5995	207.05	7925
175.10	5126	186.05	34791	196.80	1570	208.00	1936
175.95	1476	187.00	9396	197.10	270	209.05	888

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
210.05	677	221.05	11251	231.05	1213	241.95	1845
210.80	914	221.70	827	231.90	82	243.00	1653
211.10	1649	222.00	1743	232.80	95	244.05	24924
213.00	191	222.95	3709	233.00	133	245.05	3860

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214.90	173	224.05	34528	234.00	649	246.00	5441
215.05	750	225.05	8061	235.00	776	246.95	930
216.05	1130	226.05	811	235.85	792	247.95	265
217.00	15416	227.00	14934	237.00	1215	248.30	89
218.00	2041	228.00	1954	238.90	695	248.95	968
219.00	309	229.00	2718	240.00	408	250.10	85
220.00	93	230.00	516	240.95	532	250.90	252

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
251.90	228	260.80	179	273.00	3856	283.95	661
252.85	585	261.00	119	274.00	11537	285.00	1185
253.70	362	263.80	161	275.00	56792	285.90	323
254.00	290	264.05	269	276.00	7949	288.85	171
254.20	619	265.00	2977	277.00	5151	289.80	82
255.00	136784	266.10	387	277.95	962	290.10	67
256.00	20511	267.75	194	278.90	75	291.10	80
257.00	1489	270.10	111	280.70	73	292.05	199
258.00	7471	271.10	113	281.05	252	293.00	1104
258.95	1144	271.90	344	282.20	135	294.05	348
259.90	97	272.15	338	282.95	685	294.70	163

Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
294.85	394	310.10	121	323.00	5937	340.90	365
295.20	144	312.80	80	324.05	703	341.10	523
296.00	17633	313.30	82	325.10	93	341.90	71
297.00	2734	314.05	645	325.80	90	345.90	1652
298.10	107	315.00	1844	326.95	908	346.95	271
302.05	567	316.10	1310	328.00	673	351.00	114
303.00	2615	317.05	218	331.95	738	352.00	2164
304.00	570	320.15	145	333.00	709	353.00	1469
304.20	139	320.70	112	334.10	3092	354.05	2253
308.10	188	320.95	243	335.05	740	354.95	504
309.80	73	321.95	483	339.10	79	355.20	85

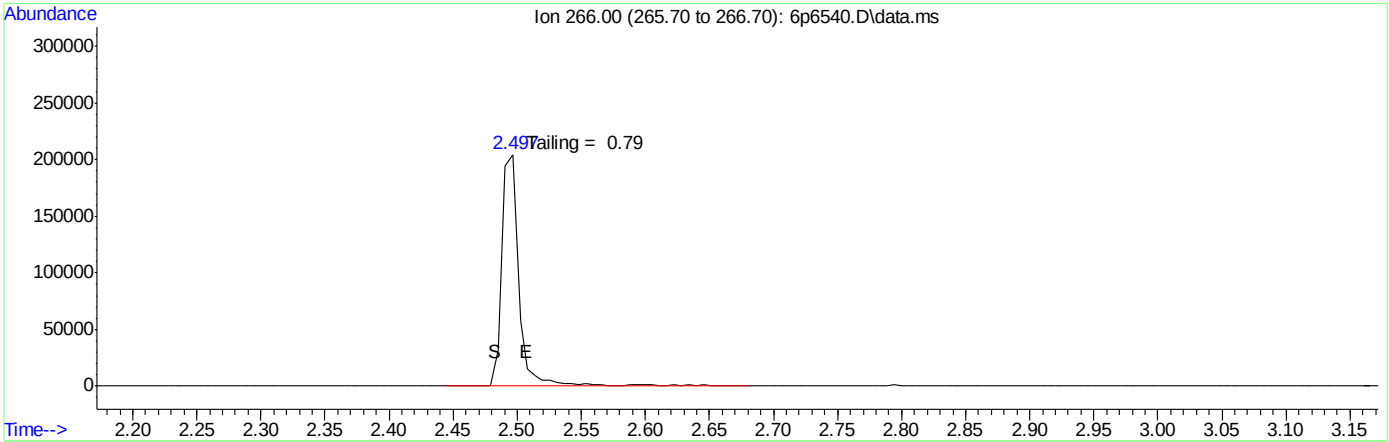
Average of 2.788 to 2.800 min.: 6p6540.D\data.ms
dftpp
Modified:subtracted

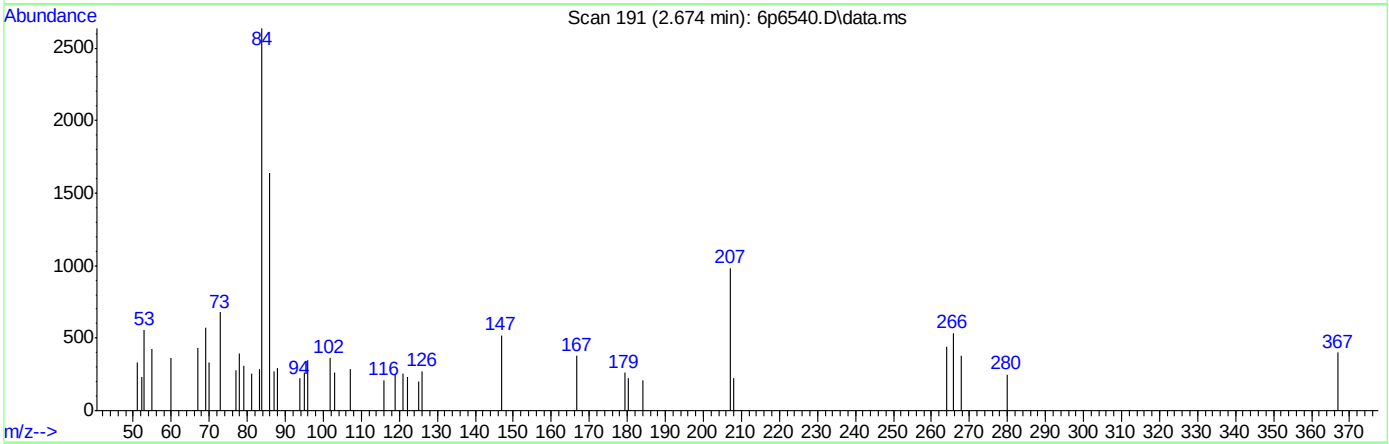
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
359.00	68	384.05	563	414.90	69	433.90	86
359.20	103	384.70	67	417.00	97	434.50	117
365.00	8686	390.10	286	421.05	2180	441.00	25906
366.00	1121	391.00	98	422.00	2325	442.00	186251
366.90	71	392.00	217	423.05	11682	443.00	35779
369.80	106	397.10	74	424.05	2384	444.00	2502
371.05	775	400.90	134	425.05	500	444.90	335
372.05	3674	401.95	1439	427.50	85		
373.05	1123	403.00	1903	431.60	70		
377.90	68	404.05	806	433.00	105		
383.00	1223	405.10	142	433.50	110		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6540.D
Acq On : 26 Apr 2014 10:29 am
Operator : ashleyd
Sample : dftpp
Misc : op73158,e6p276
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:34:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6540.D\data.ms

(1) Pentachlorophenol

2.672min (-2.672) 0.00

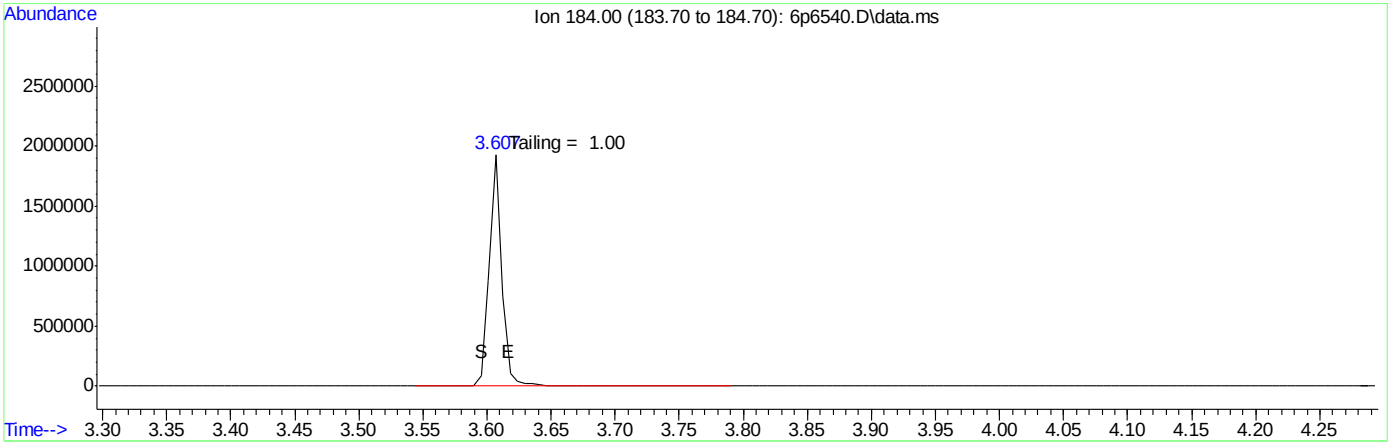
response 0

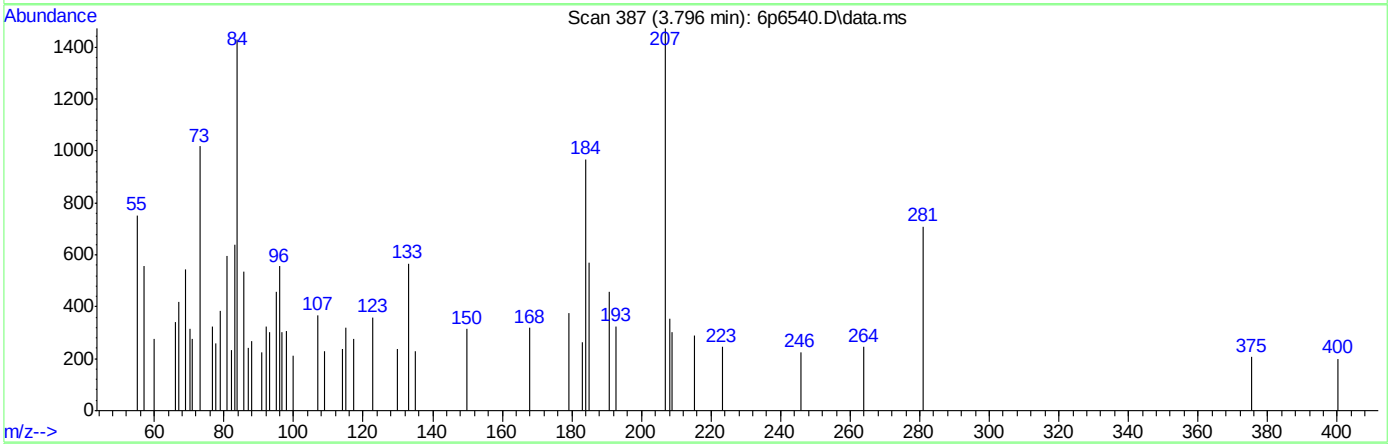
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6540.D
Acq On : 26 Apr 2014 10:29 am
Operator : ashleyd
Sample : dftpp
Misc : op73158,e6p276
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:34:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6540.D\data.ms

(2) Benzidine

3.796min (-3.796) 0.00

response 0

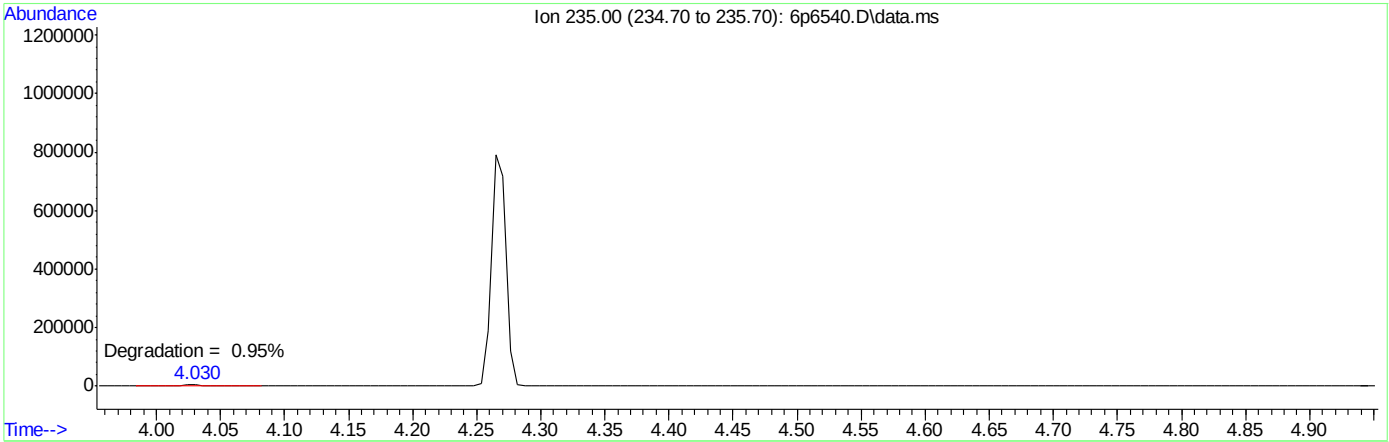
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

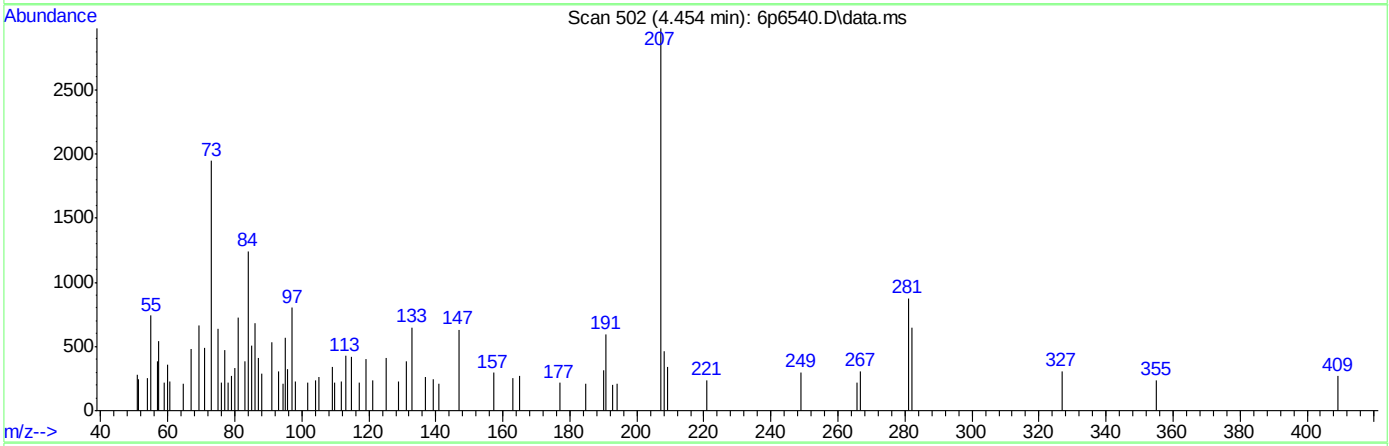
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6540.D
Acq On : 26 Apr 2014 10:29 am
Operator : ashleyd
Sample : dftpp
Misc : op73158,e6p276
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:34:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6540.D\data.ms

(3) PP-DDT

4.454min (-4.454) 0.00

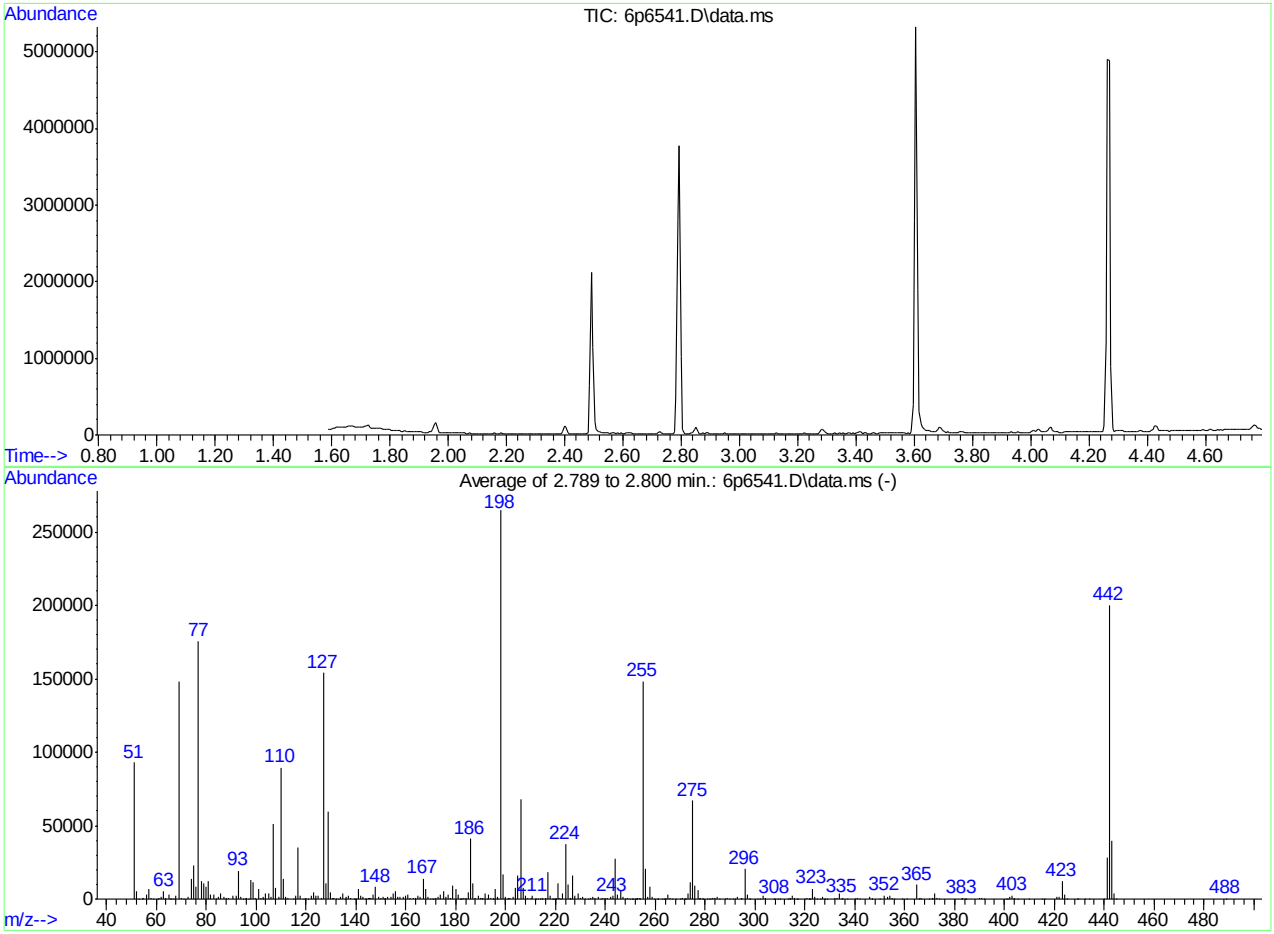
response 0

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\e6p277\6p6541.D Vial: 1
Acq On : 27 Apr 2014 12:39 pm Operator: ashleyd
Sample : dftpp Inst : MS6P
Misc : op73158,e6p277 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 211, 212, 213; Background Corrected with Scan 207

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.2	93065	PASS
68	69	0.00	2	1.4	2108	PASS
69	198	0.00	100	56.1	148412	PASS
70	69	0.00	2	0.4	649	PASS
127	198	40	60	58.2	154037	PASS
197	198	0.00	1	0.6	1495	PASS
198	198	100	100	100.0	264677	PASS
199	198	5	9	6.3	16590	PASS
275	198	10	30	25.4	67109	PASS
365	198	1	100	3.7	9694	PASS
441	443	0.01	100	71.9	28597	PASS
442	198	40	100	75.7	200395	PASS
443	442	17	23	19.9	39795	PASS

6p6541.D DFTPP6P.M Mon Apr 28 12:10:35 2014 RPT1

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	93065	62.00	1630	73.00	1510	83.95	84
52.00	5390	63.00	5473	74.00	14021	84.95	1656
53.05	295	64.00	928	75.00	23087	85.95	4154
54.20	120	65.00	2899	76.05	8232	86.95	1511
55.00	534	65.80	116	77.00	175840	87.90	776
56.00	3014	66.15	287	78.00	11953	88.95	632
57.00	7224	67.05	372	79.00	10794	90.95	2341
57.90	452	67.95	2108	80.00	8398	91.95	2627
58.95	149	69.00	148412	81.00	12426	93.00	19382
60.85	195	69.95	649	81.95	3201	93.95	1368
61.10	830	71.10	103	82.95	3384	94.70	337

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.80	128	105.00	3554	117.00	35419	127.00	154037
96.00	592	106.05	1212	117.90	2697	127.95	11057
96.90	371	107.00	50882	118.90	63	128.95	59778
98.00	13144	108.00	7302	120.00	1052	130.00	4929
99.00	11489	109.00	1335	121.00	11	130.90	437
99.95	1058	109.95	89511	122.00	2609	131.05	837
101.00	6747	111.00	13542	122.95	4229	132.10	374
101.95	495	112.00	1721	123.70	172	132.90	115
102.80	192	112.95	502	124.00	2111	133.90	1408
103.05	1773	114.90	220	125.00	2483	135.00	4220
104.00	4104	116.00	2478	126.20	994	135.80	185

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.05	1623	144.90	416	154.10	1800	165.00	2580
136.95	2338	145.75	432	155.00	3721	166.00	1653
137.95	420	146.05	1124	156.10	5317	167.00	14050
139.10	267	146.95	3165	157.00	1523	168.00	6755
139.80	354	148.00	8073	157.90	1219	168.95	1278
140.10	252	149.05	1803	158.95	1185	169.95	395
140.95	7198	149.95	607	160.00	2429	170.50	128
142.00	2222	151.05	1410	160.95	2728	171.05	393
142.95	1473	151.40	84	161.90	793	171.95	917
143.90	200	152.05	517	162.95	428	173.05	1657
144.20	142	152.95	1672	164.05	514	174.00	2744

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.05	5506	184.00	819	193.05	3192	201.20	433
176.10	1529	185.00	4754	193.95	802	201.50	1050
177.00	3231	186.00	40976	194.85	250	203.00	1476
178.00	941	187.00	11065	195.10	305	204.00	7877
179.00	9136	188.00	1059	196.00	6849	205.00	16106
180.00	6680	189.00	2660	196.60	238	206.05	67600
181.00	3415	190.00	497	197.00	1495	207.00	7964
181.80	74	190.70	165	198.00	264677	208.00	2164
182.00	373	191.05	1082	199.00	16590	208.95	1081
182.20	82	192.00	3579	200.00	1681	210.05	953
183.10	658	192.80	290	200.90	83	210.90	2202

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.90	223	219.80	152	227.00	16420	237.90	285
212.20	179	220.10	242	228.00	2414	238.90	639
213.00	221	220.30	274	229.00	3769	239.90	649
213.85	237	221.05	10837	229.90	526	240.95	783

DFTPP6P.M Mon Apr 28 12:10:08 2014 RPT1 Page: 0

214.60	87	221.70	661	231.00	1276	242.05	1517
214.90	444	222.00	248	231.65	227	243.05	2023
215.95	1045	223.05	4095	233.10	236	244.05	27207
217.00	18578	224.05	37533	233.95	759	245.05	3211
218.00	2335	225.00	9997	234.90	1192	246.00	6007
218.90	157	225.90	1087	235.95	716	247.00	1403
219.10	129	226.10	259	237.05	1302	248.00	281

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
248.85	1084	256.00	20730	265.00	3307	275.00	67109
249.70	146	256.95	1441	266.00	621	276.00	8978
250.80	103	258.00	8559	266.90	78	277.00	6316
251.05	226	258.95	1270	268.00	135	277.80	335
252.10	92	259.70	107	269.95	201	278.00	775
252.50	97	260.90	173	271.10	490	278.85	159
252.70	115	261.10	193	271.85	297	279.10	91
252.95	752	263.00	99	272.00	77	281.00	114
253.90	199	263.70	99	272.20	196	281.80	99
254.05	660	263.90	79	273.00	4208	282.10	179
255.00	148467	264.20	110	274.00	11136	283.05	724

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
284.05	663	296.00	20404	309.95	215	321.90	195
285.00	1211	297.00	2833	313.05	253	322.20	121
285.80	92	297.70	80	313.90	257	323.00	7109
288.10	153	298.05	159	314.10	758	324.05	1216
289.00	549	301.05	253	314.95	2630	324.95	300
289.85	165	301.80	212	315.90	1089	325.95	152
291.00	86	303.05	2425	316.85	196	326.95	1379
292.00	375	304.10	860	317.10	218	327.90	403
292.90	1529	307.80	75	319.80	69	328.10	361
294.05	331	307.90	301	320.90	513	328.95	241
294.90	479	309.00	186	321.70	84	331.95	591

Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
332.95	614	349.80	76	366.80	101	390.00	575
334.00	4192	351.95	2669	369.90	145	390.95	430
334.70	99	353.05	1342	370.90	187	391.90	349
334.95	1004	353.95	2405	371.05	566	400.90	141
336.80	68	355.10	575	372.05	4217	401.20	181
340.10	108	356.00	155	373.00	1088	401.95	1859
341.00	979	359.10	236	374.00	132	403.05	2492
342.10	116	360.80	92	382.90	141	403.90	845
345.95	1459	365.00	9694	383.05	738	404.10	116
346.70	131	365.80	312	384.00	264	405.10	72
346.90	98	366.05	1108	384.80	72	409.90	98

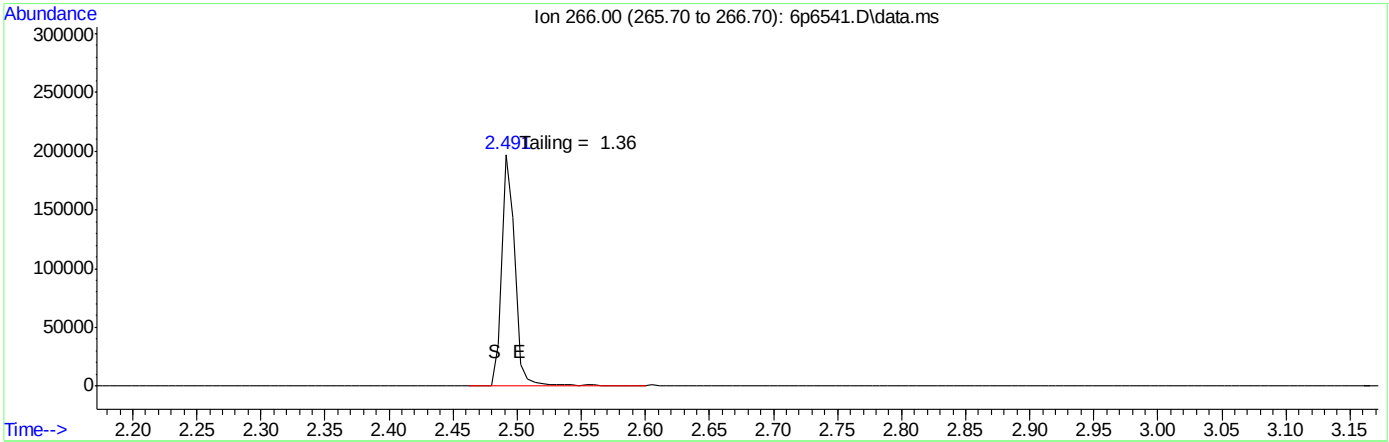
Average of 2.789 to 2.800 min.: 6p6541.D\data.ms
dftpp
Modified:subtracted

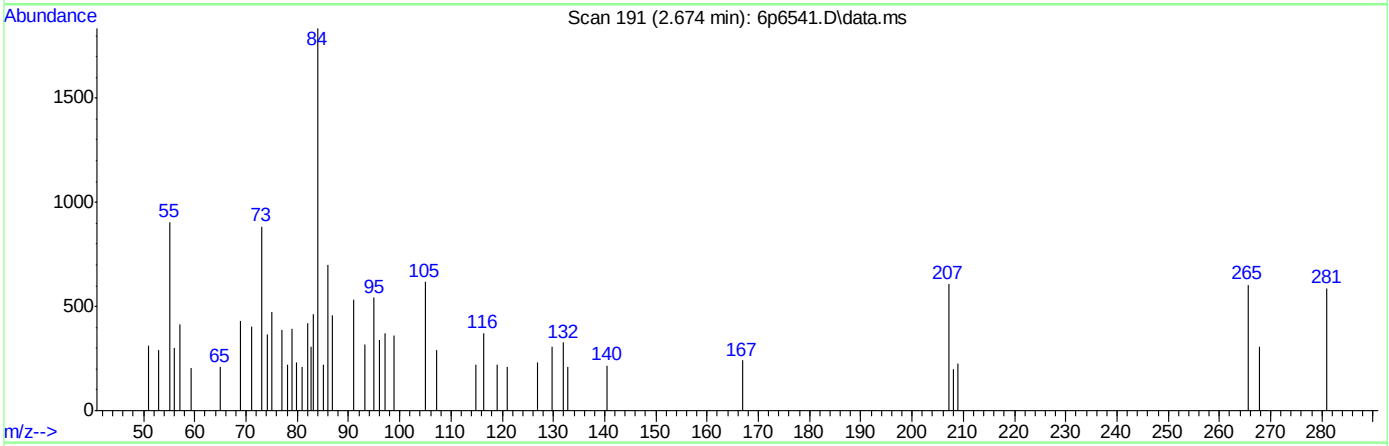
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
415.20	73	440.00	93				
415.90	67	441.05	28597				
420.95	1455	442.00	200395				
422.00	1931	443.00	39795				
423.00	12614	444.05	3597				
424.00	3025	444.90	102				
424.95	295	488.60	75				
429.10	98						
429.50	71						
432.10	88						
434.00	104						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6541.D
Acq On : 27 Apr 2014 12:39 pm
Operator : ashleyd
Sample : dftpp
Misc : op73158,e6p277
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:44:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6541.D\data.ms

(1) Pentachlorophenol

2.672min (-2.672) 0.00

response 0

Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9.5.5.1

9

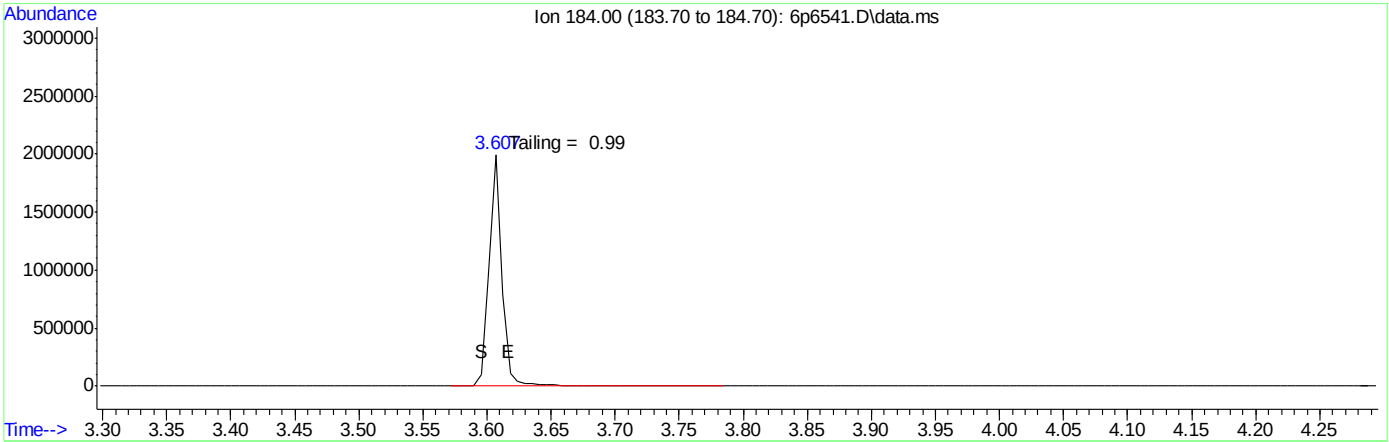
ACCUTEST LABORATORIES
JB67744

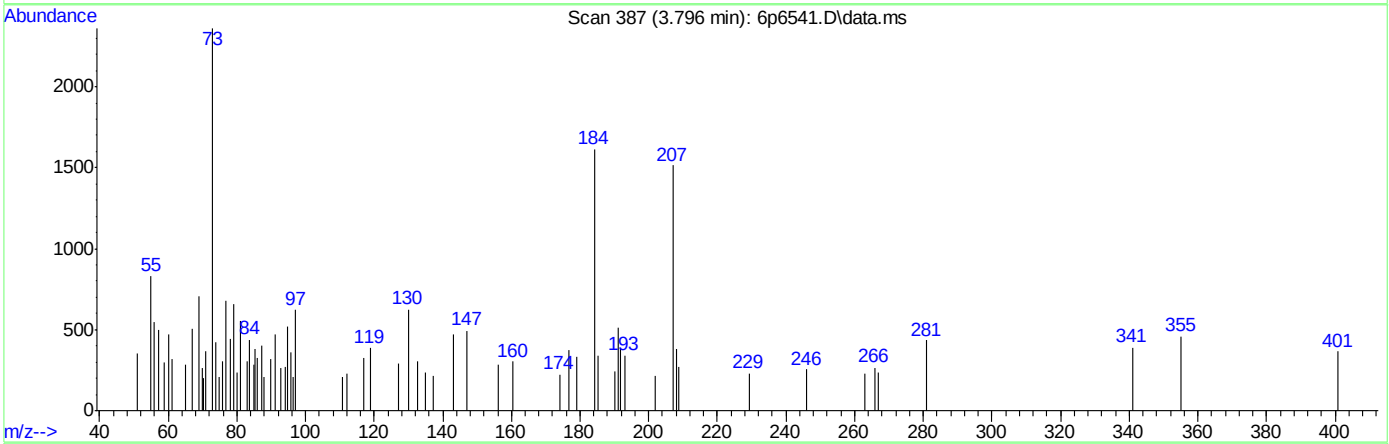
6P6541.D edits: Pentachlorophenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6541.D
Acq On : 27 Apr 2014 12:39 pm
Operator : ashleyd
Sample : dftpp
Misc : op73158,e6p277
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:44:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6541.D\data.ms

(2) Benzidine

3.796min (-3.796) 0.00

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

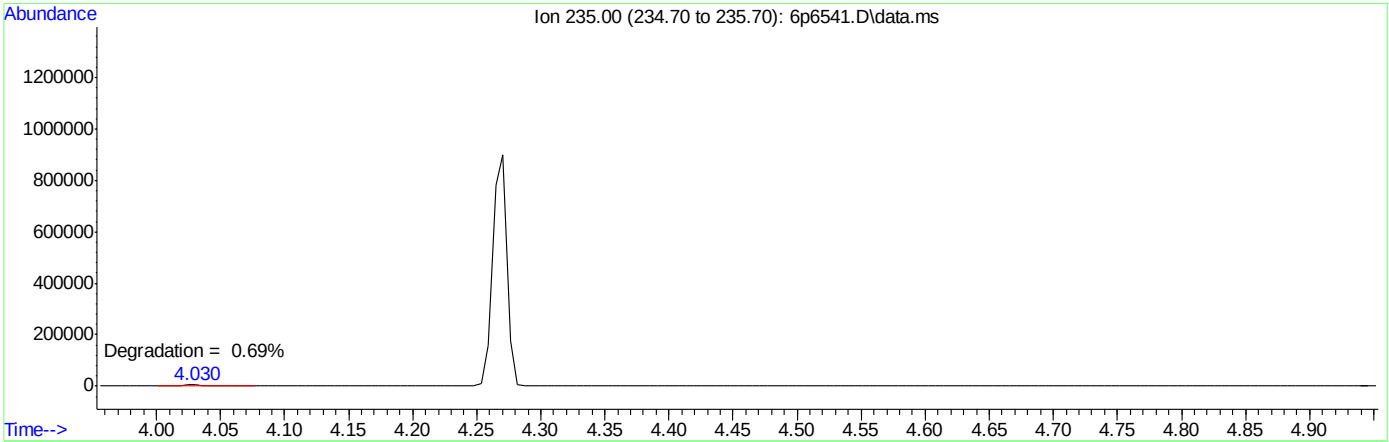
9.5.5.2

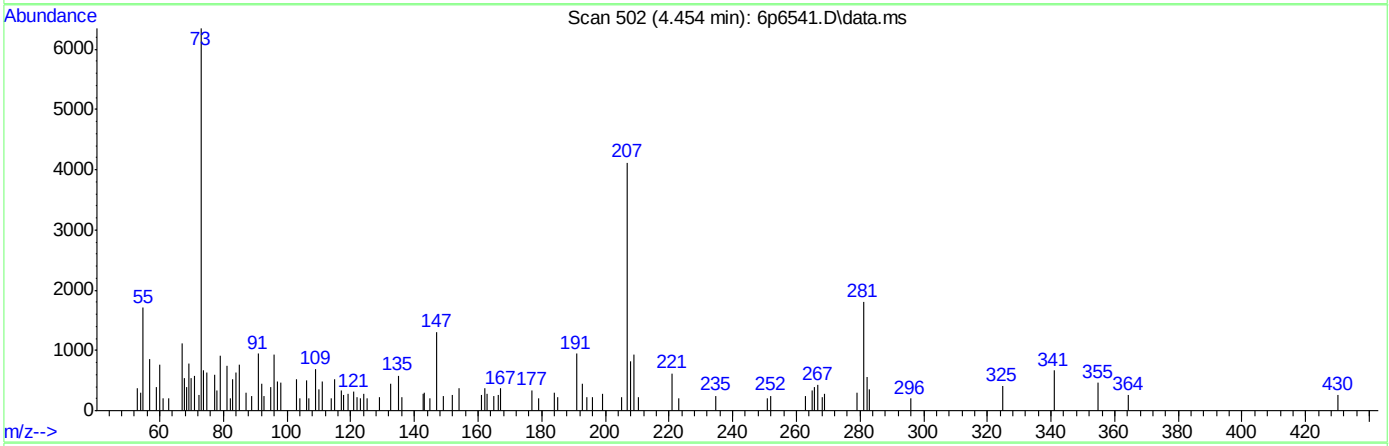
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6541.D
Acq On : 27 Apr 2014 12:39 pm
Operator : ashleyd
Sample : dftpp
Misc : op73158,e6p277
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:44:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6541.D\data.ms

(3) PP-DDT

4.454min (-4.454) 0.00

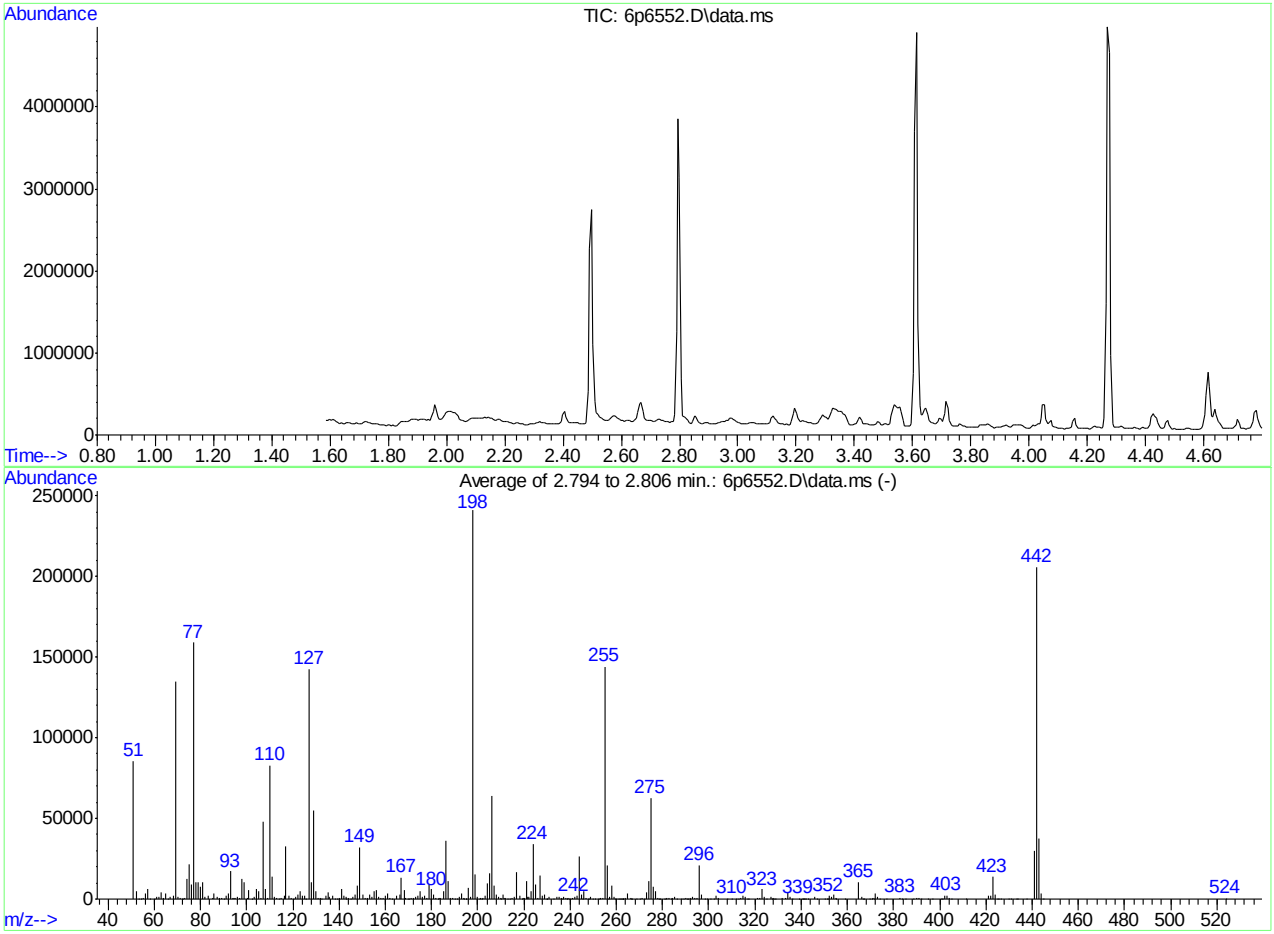
response 0

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\e6p278\6p6552.D Vial: 1
Acq On : 28 Apr 2014 9:43 am Operator: emilyp
Sample : dftpp Inst : MS6P
Misc : op73158,e6p278 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 212, 213, 214; Background Corrected with Scan 207

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.5	85499	PASS
68	69	0.00	2	1.6	2198	PASS
69	198	0.00	100	56.0	134876	PASS
70	69	0.00	2	0.8	1128	PASS
127	198	40	60	59.1	142440	PASS
197	198	0.00	1	0.5	1136	PASS
198	198	100	100	100.0	240856	PASS
199	198	5	9	6.4	15511	PASS
275	198	10	30	26.0	62592	PASS
365	198	1	100	4.4	10509	PASS
441	443	0.01	100	80.3	29928	PASS
442	198	40	100	85.4	205712	PASS
443	442	17	23	18.1	37279	PASS

6p6552.D DFTPP6P.M Mon Apr 28 13:24:14 2014 RPT1

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	85499	63.00	4364	73.00	1011	85.00	824
52.00	4796	64.05	528	74.00	12795	85.90	3241
53.10	266	65.00	3742	75.00	21511	86.95	1088
54.05	73	65.80	257	76.05	8997	87.90	912
55.00	818	67.00	1407	76.95	159080	88.95	495
56.00	3637	68.00	2198	77.95	10731	90.05	262
57.00	6488	69.00	134876	79.00	10668	91.00	1914
58.00	296	69.95	1128	80.00	7710	92.00	3639
60.10	368	71.00	430	81.00	10134	93.00	17221
61.00	1635	71.90	290	81.95	1684	94.00	993
61.95	1361	72.20	182	83.05	1779	94.40	1030

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	954	106.00	864	117.00	32519	127.95	10305
96.00	1509	106.95	47888	118.00	1916	128.95	54832
97.00	681	108.00	6525	119.05	796	130.00	4679
98.00	12592	109.05	717	120.10	316	131.05	781
99.00	10352	110.00	82739	120.95	1394	131.95	824
100.05	1041	111.00	14104	121.95	2899	132.20	141
101.00	5356	112.05	1291	123.00	4793	134.05	1763
102.05	261	112.90	442	123.95	2102	135.00	4254
102.95	1502	113.70	149	125.00	1911	135.90	1188
104.00	6503	114.95	565	125.70	257	136.95	2050
105.00	4683	116.10	1983	127.00	142440	138.10	64

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.20	227	149.00	32113	160.00	2333	170.15	59
140.10	972	150.05	2884	161.00	3758	170.90	830
141.00	6322	151.05	718	162.10	980	171.95	654
142.05	1942	152.00	564	163.00	121	172.95	1187
143.00	1080	152.95	2594	165.00	1843	174.00	2412
143.20	281	153.95	1376	166.10	2600	175.00	5030
144.00	421	155.00	4688	167.00	13237	176.00	1159
144.95	143	156.00	5424	168.00	5862	177.00	1818
146.05	1160	157.00	1256	168.20	63	178.05	743
147.05	2522	158.00	610	168.95	910	179.00	9221
148.00	8046	159.00	768	169.80	161	180.00	6218

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
181.00	2564	191.10	147	200.00	1620	209.00	1139
181.95	384	192.10	1289	200.80	48	209.90	388
182.90	55	193.10	3324	201.35	751	210.20	280
183.20	382	193.80	275	201.75	212	211.00	2579
183.95	728	194.00	701	202.20	444	211.20	487
185.00	4661	194.90	261	203.05	2093	211.85	453
185.95	35905	195.10	46	204.00	9443	213.10	285
187.00	11125	196.00	6661	205.00	16219	213.80	103
188.05	673	197.00	1136	206.05	63834	215.00	901
189.00	771	197.95	240856	207.05	8520	216.00	1347
190.05	150	198.95	15511	208.00	2561	217.00	16857

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.00	2347	227.00	14550	237.05	1409	245.20	159
219.05	54	228.00	1939	238.05	400	246.00	4692
219.90	496	228.95	3011	238.80	83	247.00	789
220.15	601	229.85	154	239.05	740	247.80	296

M6P277.M Mon Apr 28 13:22:05 2014 RPT1 Page: 0

221.00	11373	230.10	84	239.70	127	248.10	82
221.80	1311	231.00	1368	240.00	114	249.00	1186
222.00	1171	232.85	277	241.00	833	249.80	113
223.00	5037	234.00	1155	241.95	1464	250.95	260
224.00	34410	235.05	1209	243.10	2183	252.05	276
224.95	8960	236.00	698	244.10	26732	252.90	197
226.00	975	236.80	109	245.00	3075	253.05	437

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
254.00	967	261.90	145	271.00	426	281.20	183
255.00	144008	262.40	73	271.95	372	281.95	406
256.00	20963	262.80	172	273.00	4402	283.00	739
256.80	205	263.10	198	274.00	10834	283.90	249
257.10	1502	263.95	577	275.00	62592	284.05	558
258.00	8396	265.00	3757	276.00	7452	285.05	1129
259.00	1677	266.05	541	277.00	5011	285.95	238
259.70	108	266.40	67	278.00	878	288.05	217
260.10	230	266.90	205	278.20	78	289.10	89
260.95	269	268.80	106	278.85	279	289.90	670
261.30	152	269.95	259	281.00	24	290.70	122

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
291.00	200	302.00	317	317.30	96	332.00	499
291.80	357	303.00	2437	321.00	695	333.05	590
292.00	598	303.95	774	321.95	385	334.05	4294
293.00	1466	308.05	186	323.10	6141	335.00	1267
293.90	681	310.00	270	324.05	1500	336.10	169
295.10	633	312.10	75	324.90	93	338.90	82
296.00	21163	312.80	111	326.90	1182	340.70	177
297.00	2612	314.00	882	327.20	358	340.90	254
298.10	206	315.00	2450	327.90	444	341.10	166
299.10	78	315.95	1348	328.20	235	341.70	125
300.90	332	316.90	193	329.00	122	342.00	348

Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
342.90	99	359.00	169	374.00	130	400.80	144
345.95	1528	365.00	10509	377.10	113	401.05	214
346.95	255	366.05	1372	383.00	1008	402.05	1938
350.00	157	366.80	103	383.85	242	402.95	2409
351.00	253	367.10	72	385.00	101	403.95	862
351.80	178	369.85	218	388.80	75	404.95	260
352.05	1838	370.70	112	390.00	432	411.20	80
352.95	1388	371.05	532	390.95	516	421.00	2254
354.05	2658	371.80	283	392.00	340	422.00	1778
354.90	220	372.10	3449	394.90	82	423.00	13644
355.10	467	373.05	1203	396.90	112	424.05	2965

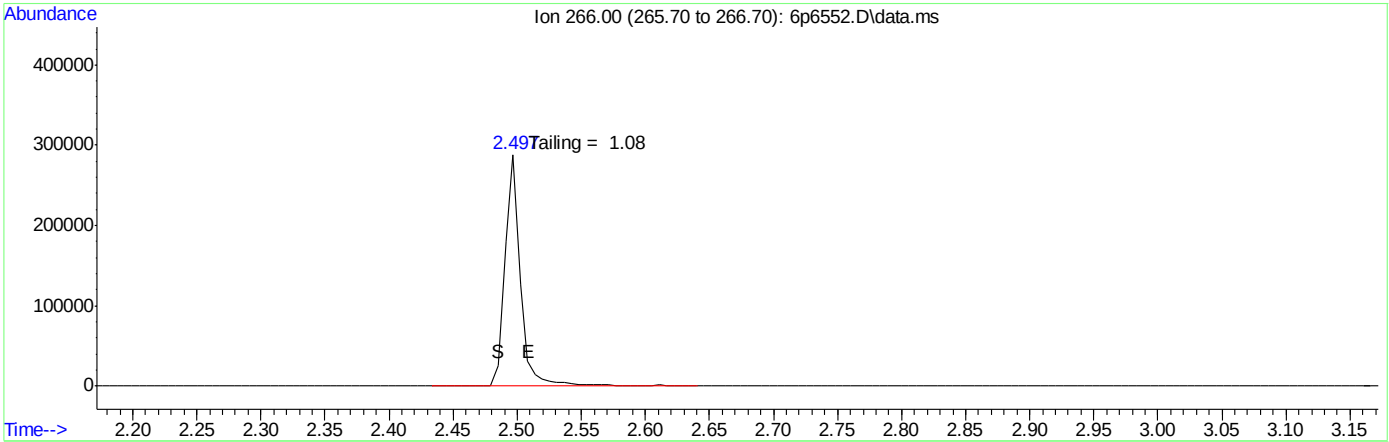
Average of 2.794 to 2.806 min.: 6p6552.D\data.ms
dftpp
Modified:subtracted

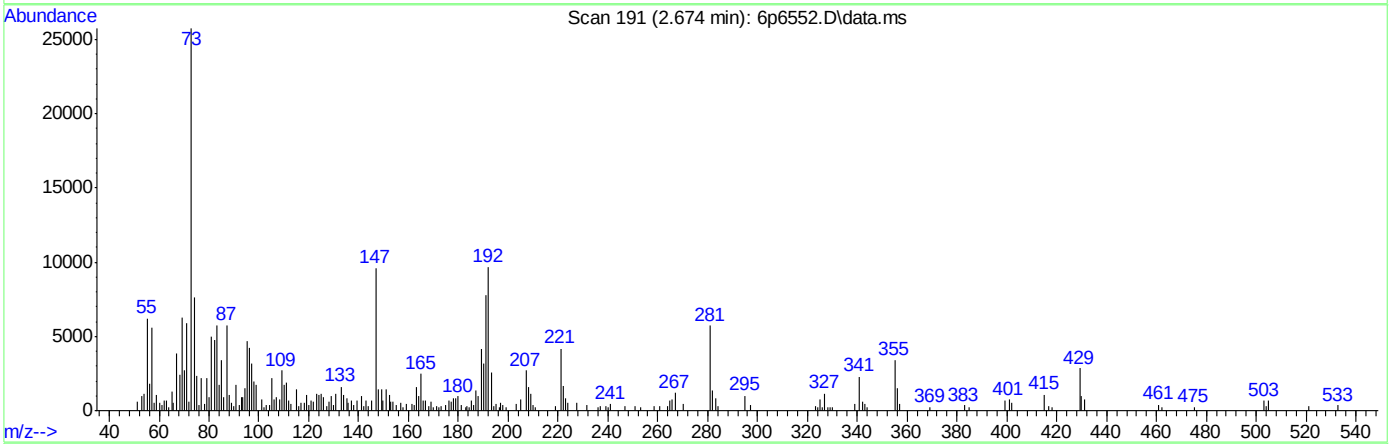
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
425.05	258	444.00	3281				
425.70	76	445.10	115				
426.30	81	523.80	70				
429.60	83						
430.70	71						
433.20	71						
433.75	152						
437.60	83						
441.00	29928						
442.00	205712						
443.00	37279						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6552.D
Acq On : 28 Apr 2014 9:43 am
Operator : emilyp
Sample : dftpp
Misc : op73158,e6p278
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 28 09:48:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6552.D\data.ms

(1) Pentachlorophenol

2.672min (-2.672) 0.00

response 0

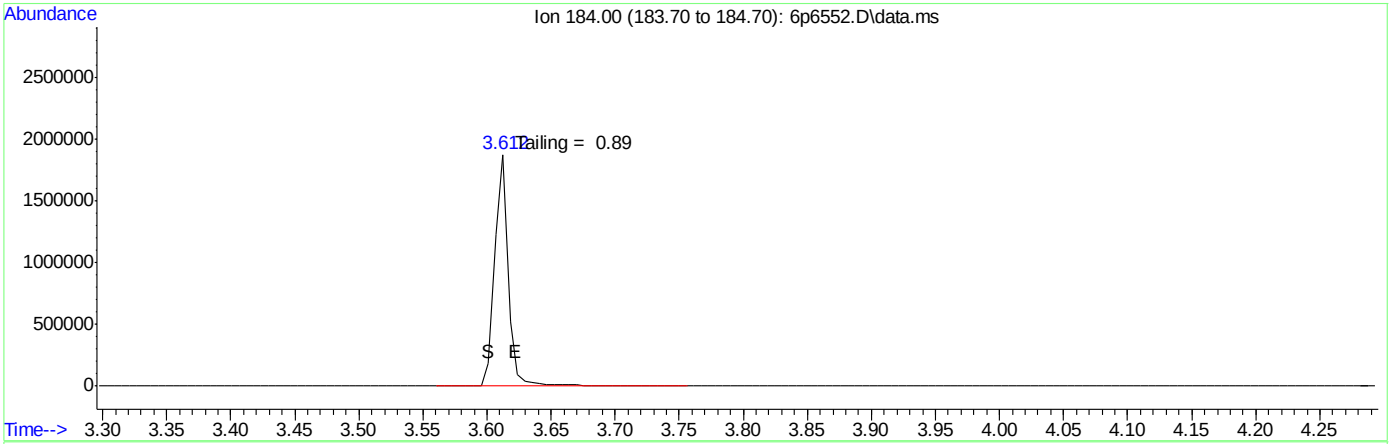
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

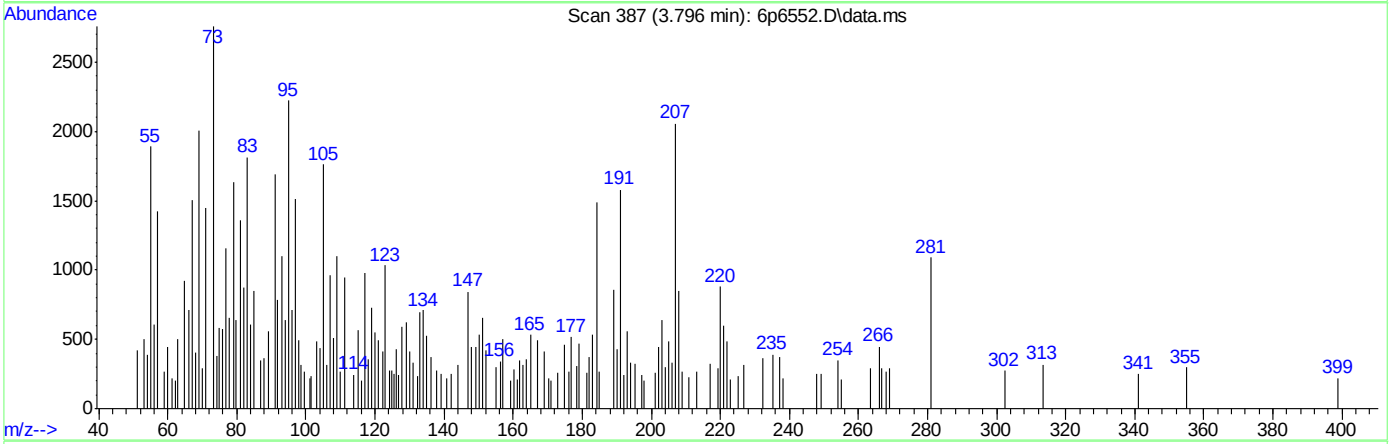
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6552.D
Acq On : 28 Apr 2014 9:43 am
Operator : emilyp
Sample : dftpp
Misc : op73158,e6p278
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 28 09:48:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6552.D\data.ms

(2) Benzidine

3.796min (-3.796) 0.00

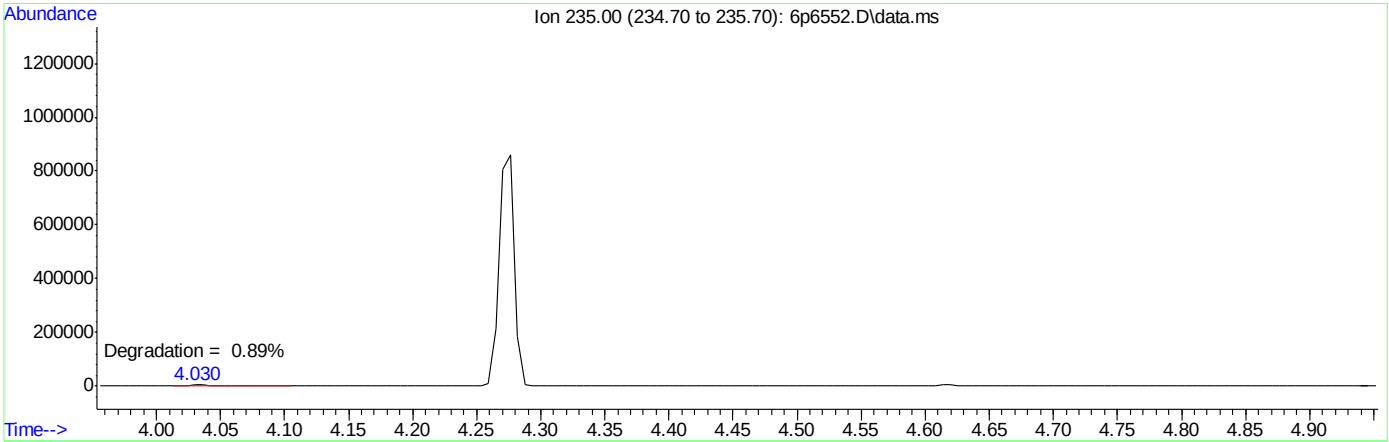
response 0

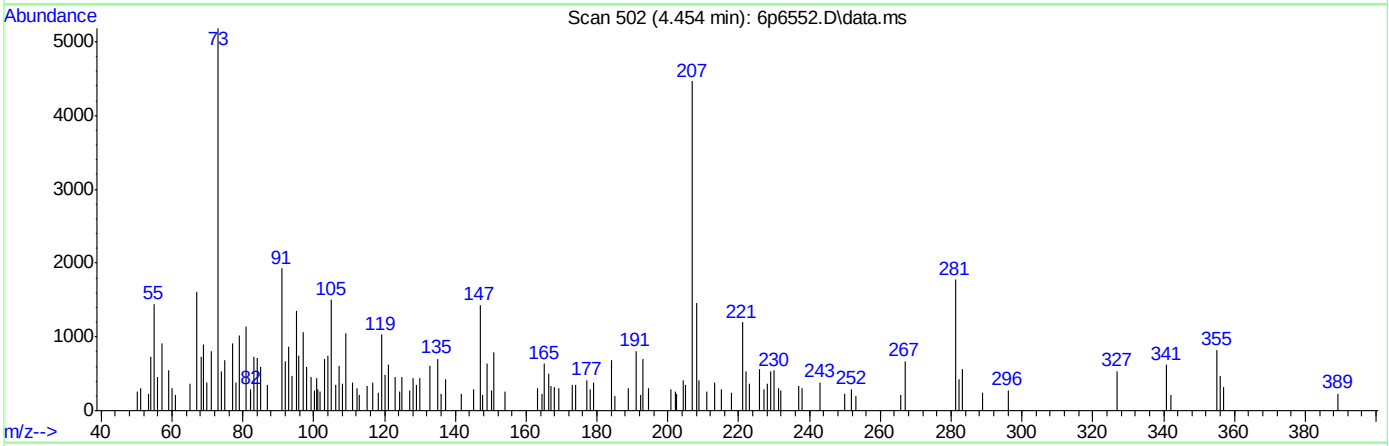
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6552.D
Acq On : 28 Apr 2014 9:43 am
Operator : emilyp
Sample : dftpp
Misc : op73158,e6p278
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 28 09:48:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Feb 24 10:11:07 2014
Response via : Initial Calibration





TIC: 6p6552.D\data.ms

(3) PP-DDT

4.454min (-4.454) 0.00

response 0

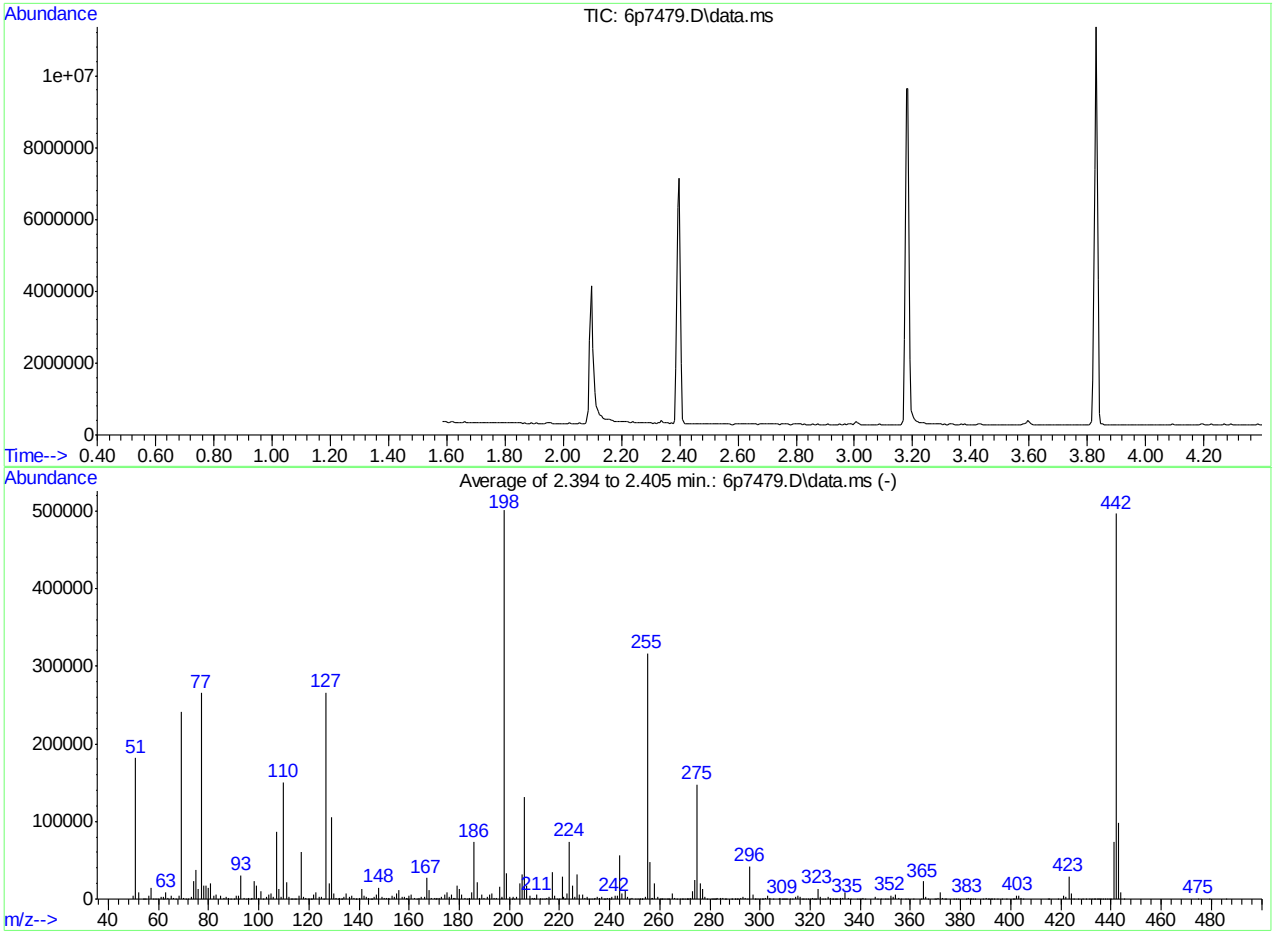
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

DFTPP

Data File : C:\msdchem\1\DATA\e6p318\6p7479.D Vial: 1
Acq On : 29 May 2014 9:06 am Operator: ashleyv
Sample : DFTPP Inst : MS6P
Misc : op74494,e6p318 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 142, 143, 144; Background Corrected with Scan 127

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.3	181664	PASS
68	69	0.00	2	2.0	4822	PASS
69	198	0.00	100	48.3	241707	PASS
70	69	0.00	2	0.6	1335	PASS
127	198	40	60	53.1	265939	PASS
197	198	0.00	1	0.5	2594	PASS
198	198	100	100	100.0	500779	PASS
199	198	5	9	6.7	33360	PASS
275	198	10	30	29.4	147379	PASS
365	198	1	100	4.5	22717	PASS
441	443	0.01	100	75.1	73651	PASS
442	198	40	100	99.1	496277	PASS
443	442	17	23	19.8	98051	PASS

6p7479.D DFTPP6P.M Thu May 29 12:05:13 2014 RPT1

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	4521	61.00	2900	70.95	237	81.95	4451
51.00	181664	61.80	127	71.85	272	82.95	5631
52.10	9391	62.05	2906	73.00	2343	84.95	3834
53.90	70	63.05	8880	74.00	22639	85.95	1576
54.30	176	63.90	1431	75.00	37565	86.95	2502
55.00	703	65.05	3860	76.05	13659	87.90	1409
56.00	4764	66.00	835	76.95	265629	88.90	699
57.00	14729	67.10	568	78.10	18018	90.10	138
57.95	600	68.05	4822	79.00	17263	91.00	4575
59.00	551	69.00	241707	80.00	14556	91.80	569
59.95	113	70.00	1335	80.95	20007	92.05	5101

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	30372	102.95	3434	113.40	110	121.90	5227
93.95	2004	104.00	6509	114.10	342	123.00	8312
94.95	676	105.05	6607	114.95	746	123.95	3428
96.10	1062	106.00	2544	116.00	4533	124.95	3055
96.70	113	107.00	87027	117.00	61054	125.90	111
97.10	949	108.00	13461	118.00	3577	126.95	265939
98.00	22720	109.10	2961	118.95	1099	128.00	20552
99.00	17936	110.00	150547	119.85	682	129.00	104813
100.00	1447	111.00	21795	120.20	394	129.95	7330
100.95	9691	112.05	2802	120.90	90	131.00	1297
101.95	387	113.00	544	121.10	91	131.70	185

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.95	820	141.00	12846	151.00	1447	159.30	176
132.85	27	142.00	3916	151.75	868	159.90	4547
133.10	501	142.95	2367	152.05	363	161.00	5736
133.90	2609	143.95	1092	153.10	4101	162.05	1756
135.00	7918	144.80	111	154.05	3082	162.95	270
136.00	3596	145.05	700	155.00	6774	164.00	941
137.00	3948	146.00	2398	156.00	11590	164.90	2985
138.10	1013	147.00	6497	157.05	2346	166.05	3178
138.90	281	148.00	15213	157.95	2557	167.00	27208
139.10	327	149.00	2636	158.90	773	168.05	11289
140.00	806	149.95	768	159.10	753	168.95	1278

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.05	1026	179.00	17812	190.05	1230	200.00	2720
170.60	355	180.05	12597	191.05	2377	200.95	228
170.95	1297	181.05	6454	192.00	5865	201.45	3509
171.95	2003	182.10	1061	193.10	7142	202.10	300
172.95	2958	183.20	358	194.05	1615	203.00	3054
174.00	6145	183.95	1460	194.80	943	204.05	19640
175.10	9173	185.05	9365	196.05	16353	205.00	31705
176.00	3476	186.00	73333	196.90	1854	206.05	131459
177.05	5375	187.00	21250	197.10	2594	207.05	17765
177.90	784	188.00	2112	198.00	500779	208.00	3761
178.10	1258	189.00	5454	199.00	33360	208.95	1950

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
209.70	183	217.00	35334	227.00	31483	236.10	1529
209.95	1672	218.00	4622	228.05	5126	237.00	2543
210.40	275	219.05	490	229.05	6519	237.90	284
211.00	5158	219.90	271	230.05	859	238.20	160

DFTPP6P.M Thu May 29 12:05:00 2014 RPT1 Page: 0

212.00	475	221.00	28753	230.80	360	239.05	1229
212.30	115	221.80	2347	231.05	2607	239.95	831
212.95	557	222.10	565	231.85	217	240.20	301
214.05	369	223.00	7956	233.00	720	240.95	2376
214.95	1514	224.05	74157	233.70	349	242.00	4270
216.00	3015	225.05	17918	233.95	1643	243.05	4038
216.20	274	226.10	2701	235.00	2534	244.10	56901

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
245.05	7608	254.20	3624	261.70	72	270.70	144
246.00	11221	255.00	316555	262.80	81	271.00	520
247.05	2614	256.00	47397	263.10	72	271.20	319
248.05	592	256.90	2034	263.85	164	272.00	950
249.05	1521	257.10	1196	265.00	7192	273.05	9925
250.10	606	258.00	20456	265.90	1792	274.00	25240
250.95	633	258.95	3201	266.90	108	275.00	147379
251.90	314	259.90	538	268.00	253	276.00	19910
252.20	301	260.60	140	269.00	196	277.00	12486
252.85	662	260.90	497	269.20	88	278.00	2667
253.10	680	261.10	73	269.90	101	278.95	659

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
280.80	88	288.85	543	298.00	496	307.90	823
281.30	77	289.90	160	298.20	177	308.80	82
281.60	77	290.20	328	298.90	69	309.10	570
282.00	312	290.70	191	299.90	80	309.90	141
282.20	73	291.10	69	300.70	189	310.10	445
283.00	1718	292.15	852	301.00	249	310.80	102
284.05	1479	293.00	2707	302.00	953	312.10	282
285.15	1900	293.95	855	303.05	5038	312.75	480
285.95	444	294.95	634	304.10	782	314.00	2815
286.30	93	296.00	42216	305.10	386	315.00	4682
288.60	109	297.05	5934	307.30	103	316.05	2776

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.90	353	325.00	183	334.05	9018	349.90	80
317.20	280	326.00	195	335.05	2089	350.80	202
318.00	96	327.00	2869	335.90	271	352.05	5067
319.30	72	328.00	1592	338.85	325	353.05	2703
319.95	210	328.80	109	339.70	74	354.05	5573
321.05	1856	329.05	200	340.10	70	355.15	1181
321.30	91	329.80	112	341.10	1738	356.30	69
321.90	227	330.10	77	342.00	665	357.80	130
322.10	585	330.90	189	345.95	2894	359.00	406
323.05	13607	331.95	1130	346.95	661	361.00	294
324.10	3246	333.05	1280	348.10	129	364.10	221

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
365.00	22717	378.00	87	391.15	723	404.05	1330
366.00	3242	378.90	71	392.00	442	405.00	120
366.90	271	382.30	70	392.20	160	414.70	93
369.80	81	383.00	2009	393.10	87	415.10	234
370.00	269	383.80	309	394.85	232	418.80	121
371.05	968	384.10	624	396.40	113	421.00	4431
372.05	8063	385.00	228	398.10	75	422.05	3409
372.90	2199	385.90	73	400.90	237	423.10	29533
373.80	105	389.00	167	401.25	312	424.05	6591
374.10	222	390.00	1043	402.05	4173	425.00	765
377.00	87	391.00	257	403.00	5090	427.00	114

Average of 2.394 to 2.405 min.: 6p7479.D\data.ms

DFTPP6P.M Thu May 29 12:05:00 2014 RPT1

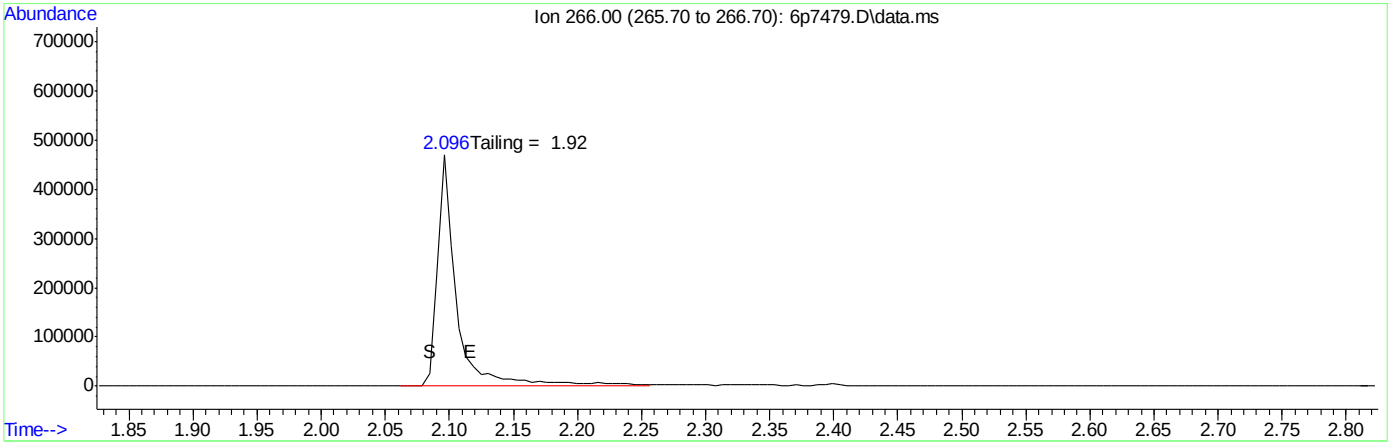
DFTPP
Modified:subtracted

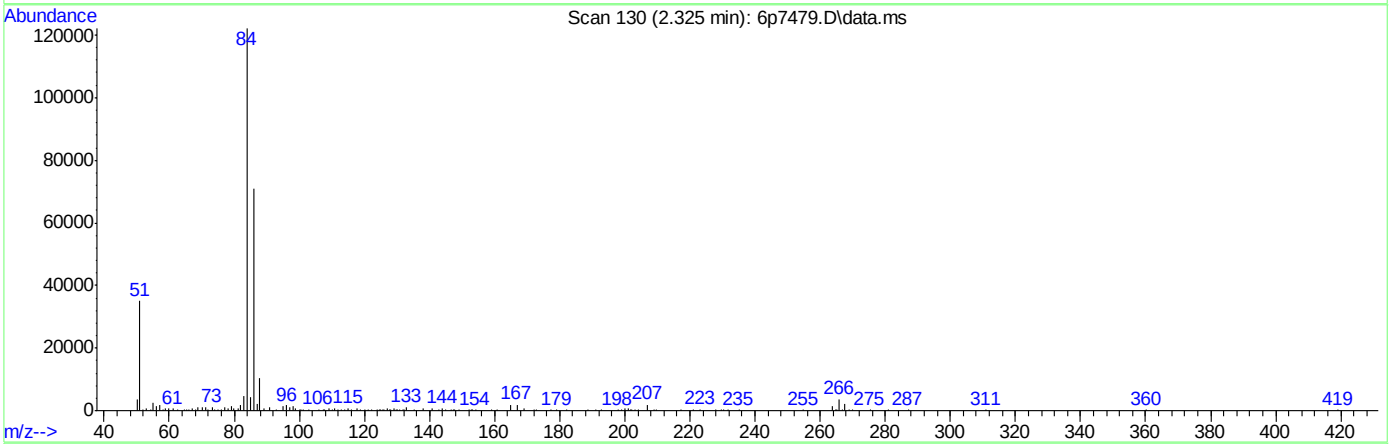
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
428.70	85	437.60	134	485.70	71		
430.00	152	438.70	124				
431.40	184	439.20	366				
432.10	200	439.95	204				
433.20	142	441.10	73651				
433.50	68	442.10	496277				
434.30	101	443.10	98051				
434.80	68	444.05	8252				
435.40	89	445.20	289				
435.70	88	474.90	87				
436.90	175	479.00	79				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7479.D
Acq On : 29 May 2014 9:06 am
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p318
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:14:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7479.D\data.ms

(1) Pentachlorophenol

2.325min (-2.325) 0.00

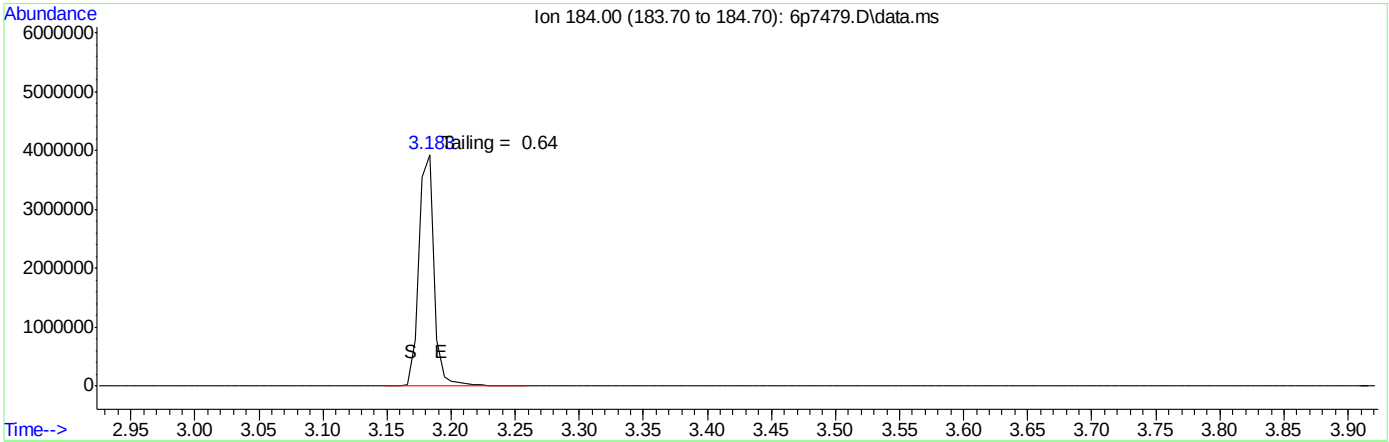
response 0

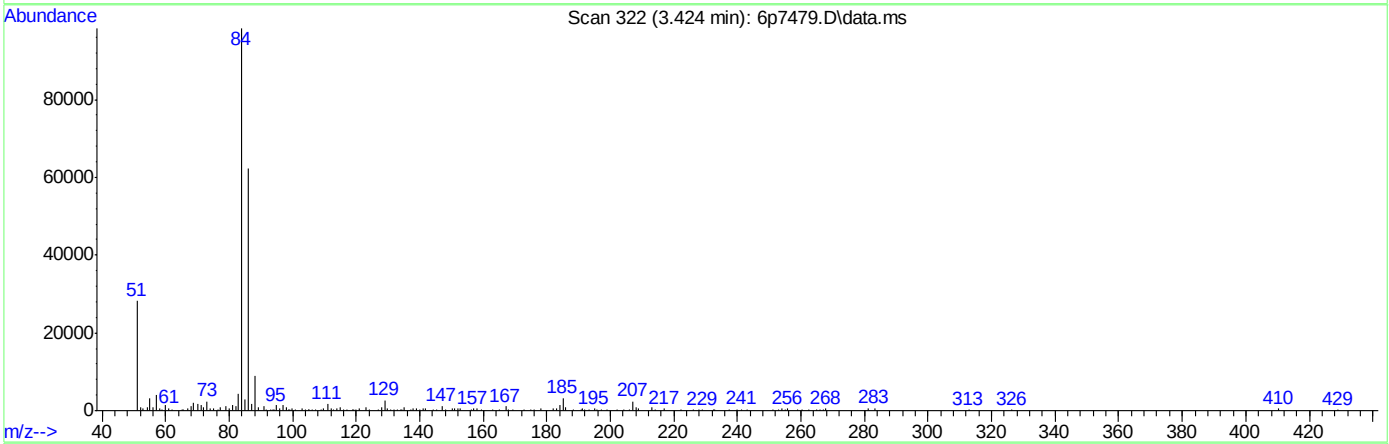
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7479.D
Acq On : 29 May 2014 9:06 am
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p318
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:14:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7479.D\data.ms

(2) Benzidine

3.424min (-3.424) 0.00

response 0

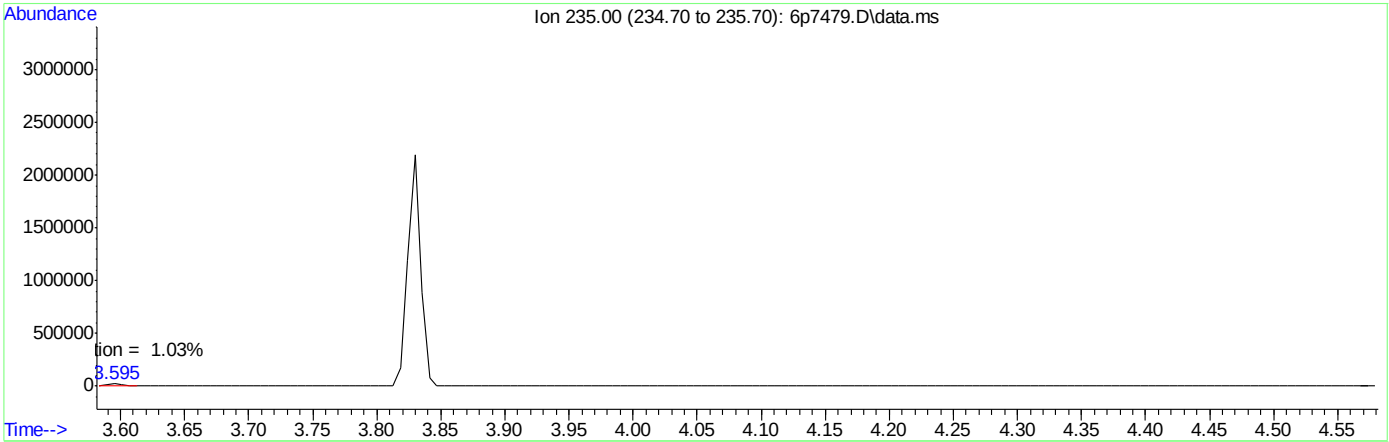
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

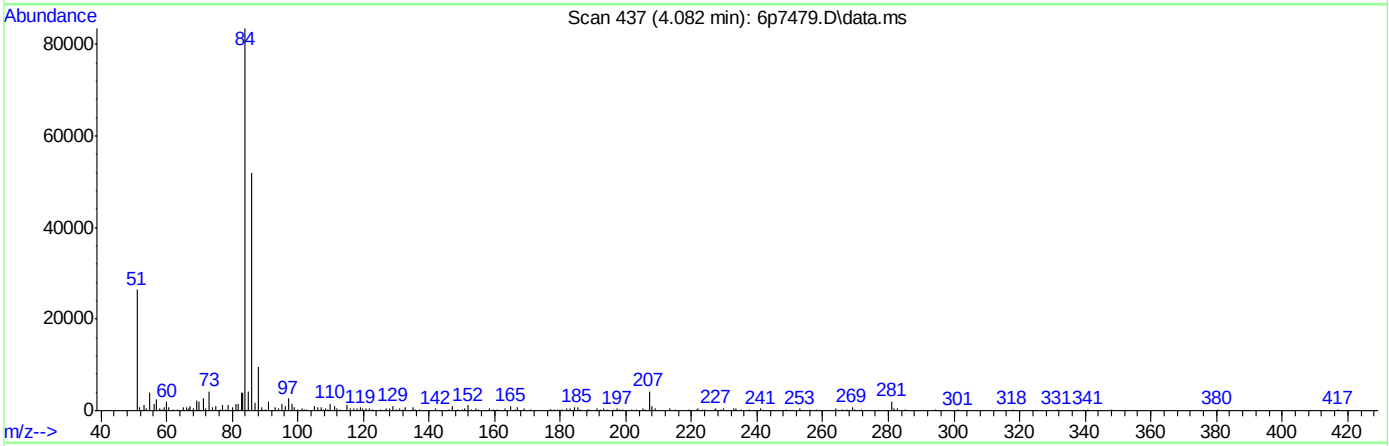
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7479.D
Acq On : 29 May 2014 9:06 am
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p318
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:14:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7479.D\data.ms

(3) PP-DDT

4.082min (-4.082) 0.00

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

9.5.7.3

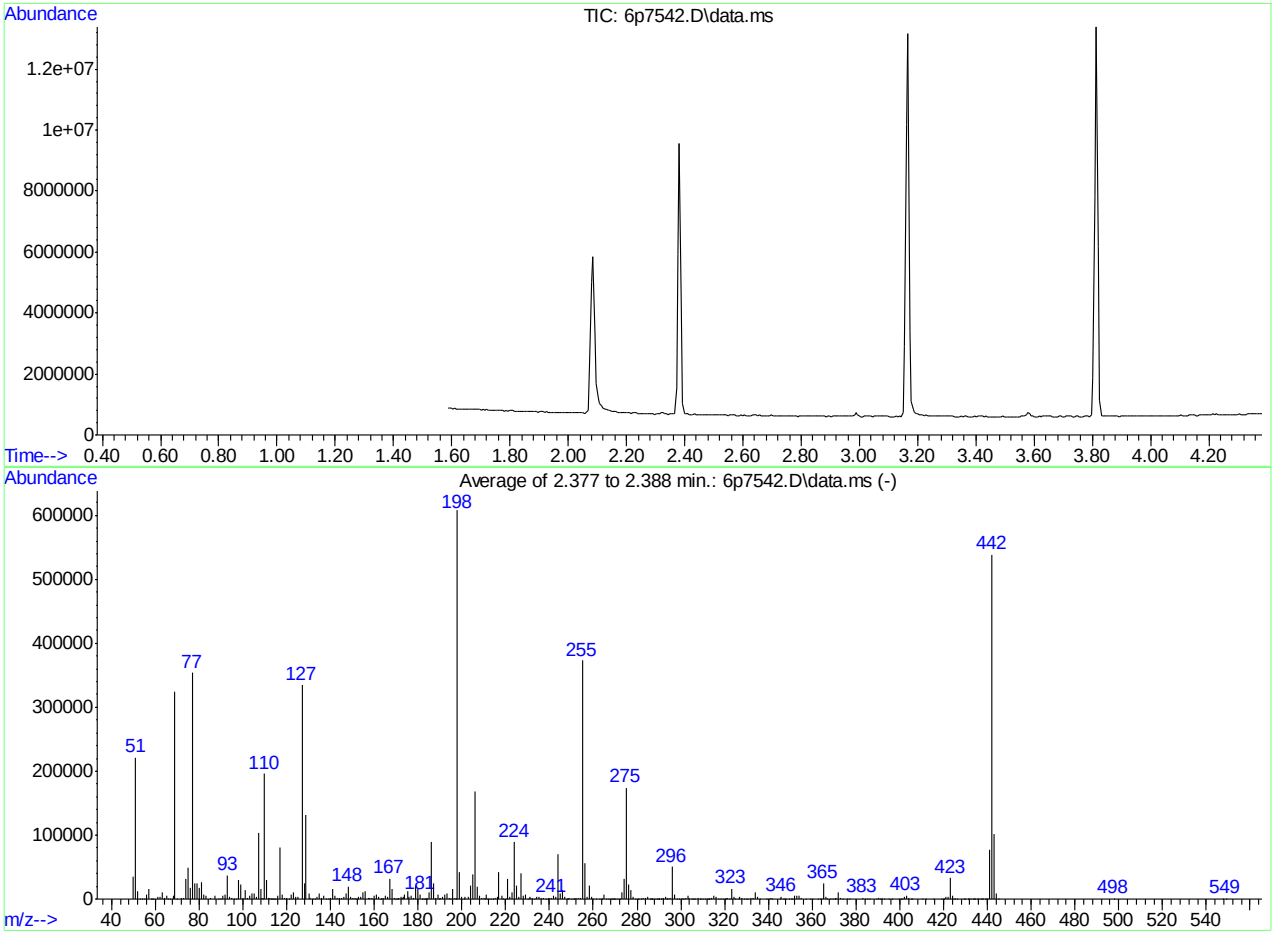
9

ACCUTEST LABORATORIES JB67744

DFTPP

Data File : C:\msdchem\1\DATA\e6p320\6p7542.D Vial: 1
Acq On : 30 May 2014 12:00 pm Operator: ashleyv
Sample : DFTPP Inst : MS6P
Misc : op74494,e6p320 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 139, 140, 141; Background Corrected with Scan 126

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.4	221061	PASS
68	69	0.00	2	1.8	5692	PASS
69	198	0.00	100	53.4	324288	PASS
70	69	0.00	2	0.2	801	PASS
127	198	40	60	55.0	334485	PASS
197	198	0.00	1	0.4	2265	PASS
198	198	100	100	100.0	607637	PASS
199	198	5	9	6.8	41413	PASS
275	198	10	30	28.6	173820	PASS
365	198	1	100	4.2	25443	PASS
441	443	0.01	100	76.5	77880	PASS
442	198	40	100	88.7	538688	PASS
443	442	17	23	18.9	101848	PASS

6p7542.D DFTPP6P.M Sat May 31 11:50:14 2014 RPT1

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	34491	61.00	3056	73.00	2086	84.95	2526
51.00	221061	62.00	4119	74.00	31143	87.00	4913
52.00	11466	63.00	10047	75.00	48689	88.90	520
53.00	780	64.00	1709	76.05	17669	89.85	80
54.10	298	65.00	5689	77.00	354005	91.00	4758
54.95	70	65.95	353	78.05	25450	92.00	6728
56.05	6423	67.00	551	79.00	24382	93.00	37308
57.00	16719	68.10	5692	79.95	17693	94.05	3474
57.90	501	69.00	324288	80.95	26152	95.10	2145
58.40	125	70.00	801	81.95	7107	96.00	499
59.05	169	71.85	1875	83.00	5432	97.00	132

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.00	29467	108.95	2303	115.95	4522	128.00	23881
99.05	23354	109.20	764	117.00	80870	128.95	132027
99.95	2655	109.95	195823	118.00	6424	130.00	9536
101.00	13319	110.95	29195	118.90	1218	130.95	1250
102.05	1326	111.90	1499	120.00	1319	132.00	907
102.95	4860	112.10	1115	121.05	818	132.60	287
103.95	8840	112.80	522	122.00	6464	134.00	3611
104.95	8518	113.20	763	123.00	9781	134.95	9563
106.05	3112	113.85	377	123.95	3800	135.95	2381
106.95	103799	114.25	383	124.95	4161	136.95	5293
108.00	15479	114.95	348	127.00	334485	137.90	770

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.05	637	150.00	1378	160.00	4966	169.80	665
140.05	1904	151.00	2351	161.00	7295	170.10	324
140.95	15859	151.70	342	162.05	2739	170.90	548
142.00	5813	152.00	849	162.80	202	171.10	1002
142.80	2222	152.95	4375	163.05	546	172.00	2733
144.10	1249	153.95	3486	164.05	1361	172.90	1025
145.00	1073	155.00	9940	164.95	4674	173.10	2995
146.00	3205	156.05	12547	166.00	4183	174.00	6629
147.00	8768	157.15	2344	166.95	31805	175.05	11984
148.00	19408	158.00	2676	167.95	16539	176.05	4094
149.00	3664	158.95	1919	168.95	2114	176.95	5410

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.00	2437	186.00	89512	196.00	16556	206.10	167677
179.00	21708	186.95	24175	196.80	2265	207.10	19357
180.00	16574	188.10	2620	197.10	807	208.00	5192
181.00	7203	189.05	6396	198.00	607637	208.95	1532
181.95	905	189.70	201	199.00	41413	209.90	1003
182.20	373	190.05	983	199.95	2865	210.60	539
182.80	297	191.05	2763	200.90	546	211.00	6630
183.00	749	192.00	7011	201.55	3302	211.60	923
183.90	510	193.05	8586	203.00	4043	212.00	191
184.10	1450	194.05	1805	204.00	21526	212.95	683
185.00	11277	194.95	733	205.00	39019	214.05	332

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
215.05	2142	226.10	2759	236.00	2182	246.00	14189
216.05	3956	226.95	39872	237.10	2619	247.00	3123
217.00	42917	228.00	5730	238.05	369	248.00	790
218.05	5757	229.00	7705	239.05	715	248.40	141

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218.95	699	229.95	640	239.40	100	249.05	2488
220.20	802	230.90	1135	239.95	1477	249.85	748
221.00	32128	231.05	2851	241.00	1999	250.90	331
221.75	3529	231.95	1396	242.05	4570	251.10	267
223.00	10625	233.05	934	243.05	4366	252.00	1274
224.10	89387	234.00	2826	244.10	70725	253.15	1802
225.05	21954	235.10	3315	245.10	9480	254.10	1981

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
255.00	372949	265.90	831	275.05	173820	286.00	440
256.00	55357	266.95	8	276.00	23271	286.40	91
257.05	3425	268.10	304	277.00	14825	286.80	92
258.00	21916	268.60	101	277.95	2938	287.05	218
259.05	3160	269.00	107	279.10	701	287.80	147
259.90	425	269.50	77	280.10	153	288.95	214
261.05	838	269.90	195	280.80	195	289.40	232
263.05	402	271.10	911	281.90	490	289.80	150
263.60	325	271.95	823	283.05	1160	290.00	429
263.95	526	273.05	11033	283.95	1431	290.80	128
265.05	7403	274.00	31845	285.00	2740	291.10	175

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
292.00	1013	301.05	600	310.00	646	318.90	127
293.05	3570	302.05	1100	310.90	164	320.00	80
293.60	146	303.05	6157	311.90	222	320.80	352
294.15	1006	304.00	1493	312.70	144	321.00	1560
295.15	1507	304.80	156	312.95	514	322.05	712
296.00	50701	305.10	91	313.20	264	323.10	16168
297.05	6652	305.90	103	314.00	2156	324.05	3257
298.00	397	306.30	123	315.05	5223	324.95	381
299.10	320	308.10	1014	316.00	3887	326.10	88
300.10	98	308.80	156	317.00	847	327.00	2863
300.90	234	309.10	72	318.30	98	328.05	1999

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
328.95	289	341.90	454	354.05	5097	368.40	69
329.80	83	345.00	72	355.00	1138	369.30	125
330.20	73	346.00	3705	357.10	105	370.10	401
332.00	1195	346.80	309	358.85	315	370.40	122
333.10	2222	347.15	367	360.05	307	371.05	1498
334.05	11432	348.00	286	362.90	114	372.05	9718
335.10	3108	349.10	70	363.90	91	373.05	2574
335.90	474	350.20	89	364.20	346	374.15	522
339.05	482	350.95	523	365.00	25443	376.10	83
340.10	145	352.05	5487	366.00	3774	377.10	219
341.00	1615	353.05	4588	367.00	181	383.10	2269

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
384.00	764	399.40	86	418.85	183	429.50	240
384.95	360	400.70	89	419.80	83	431.10	83
386.20	71	401.15	727	420.10	110	431.30	137
389.10	78	402.05	3654	421.00	3732	432.40	69
390.05	1388	403.10	5409	422.10	4078	433.20	77
390.80	151	404.05	2326	423.10	32709	433.70	196
391.10	762	405.00	377	424.05	6108	434.45	181
392.05	789	405.85	197	424.80	116	435.35	250
392.90	250	410.10	206	425.05	701	435.95	215
394.90	86	411.60	85	426.20	76	436.90	99
396.70	90	415.15	356	429.20	88	437.30	110

Average of 2.377 to 2.388 min.: 6p7542.D\data.ms

DFTPP6P.M Sat May 31 11:50:09 2014 RPT1 Page: 1

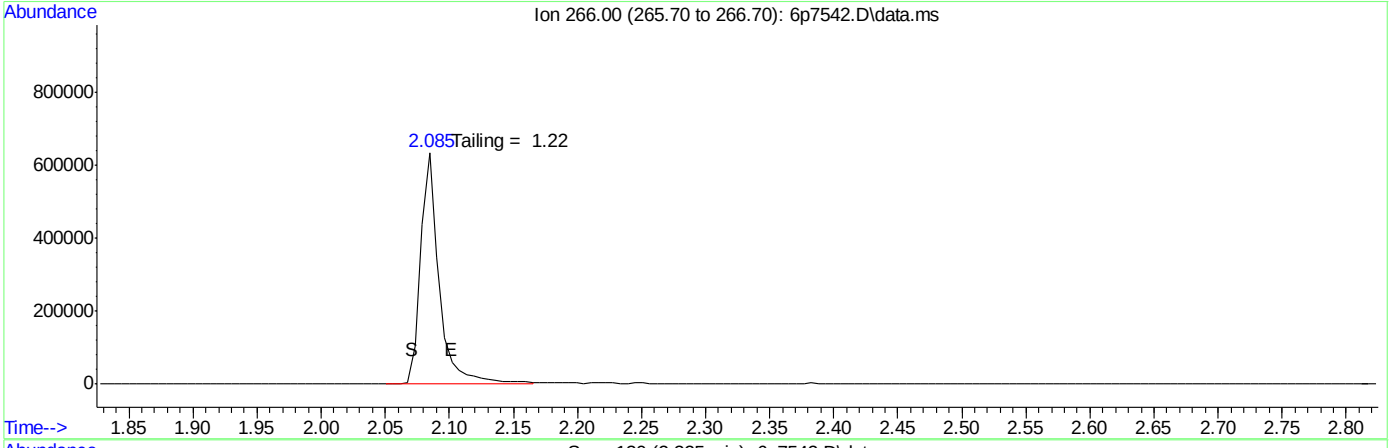
DFTPP
Modified:subtracted

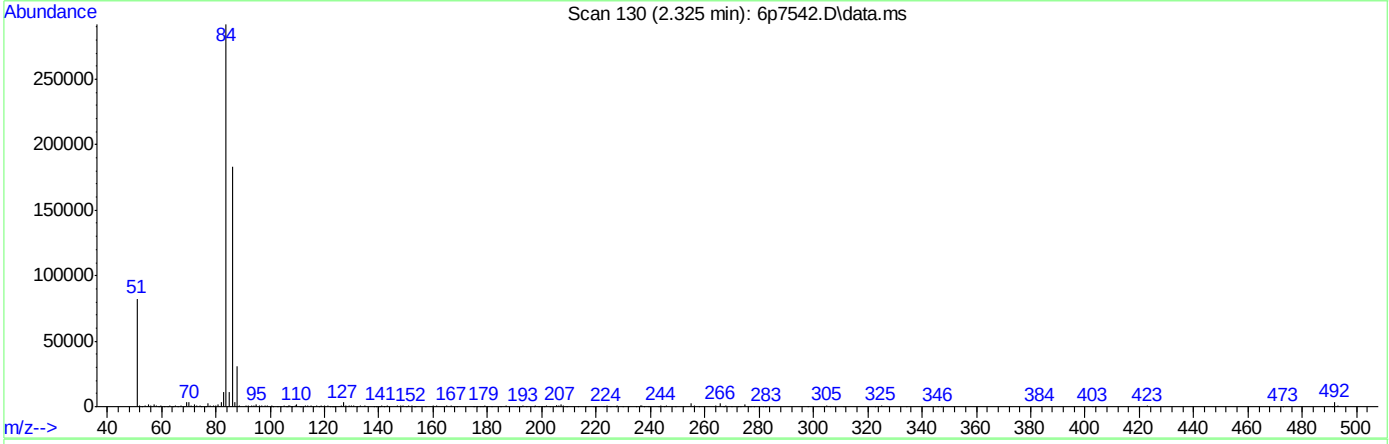
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
438.15	413	548.80	86				
438.70	67						
439.30	167						
440.05	308						
441.10	77880						
442.10	538688						
443.10	101848						
444.10	9059						
445.15	634						
497.70	166						
547.30	71						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7542.D
Acq On : 30 May 2014 12:00 pm
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p320
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:06:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7542.D\data.ms

(1) Pentachlorophenol

2.325min (-2.325) 0.00

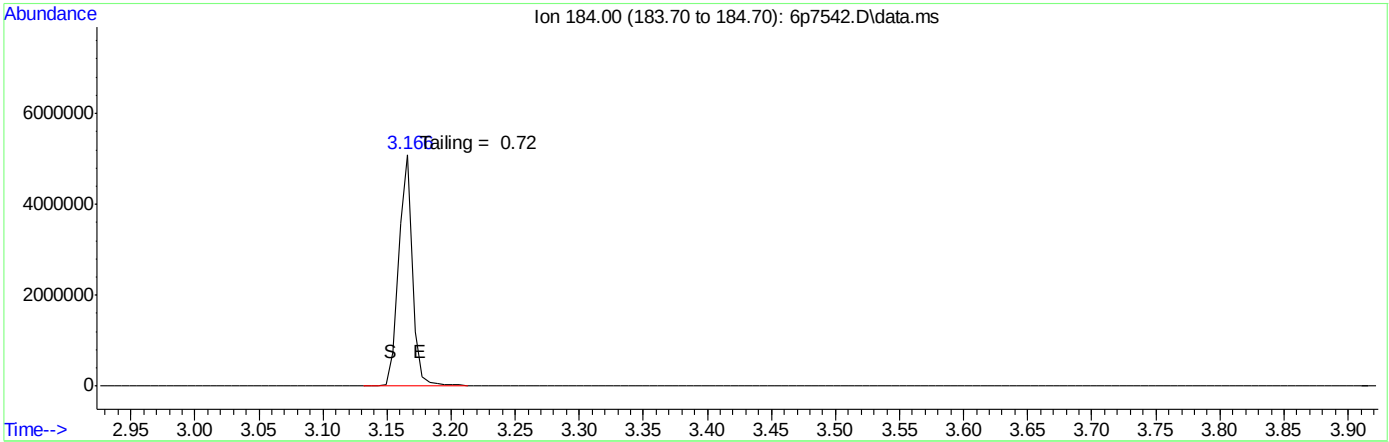
response 0

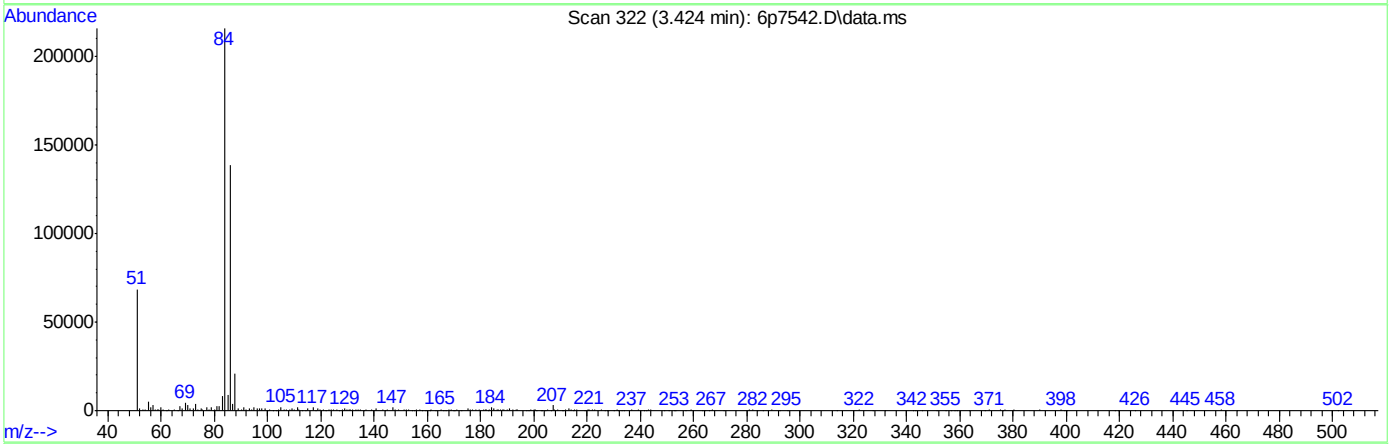
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7542.D
Acq On : 30 May 2014 12:00 pm
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p320
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:06:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7542.D\data.ms

(2) Benzidine

3.424min (-3.424) 0.00

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

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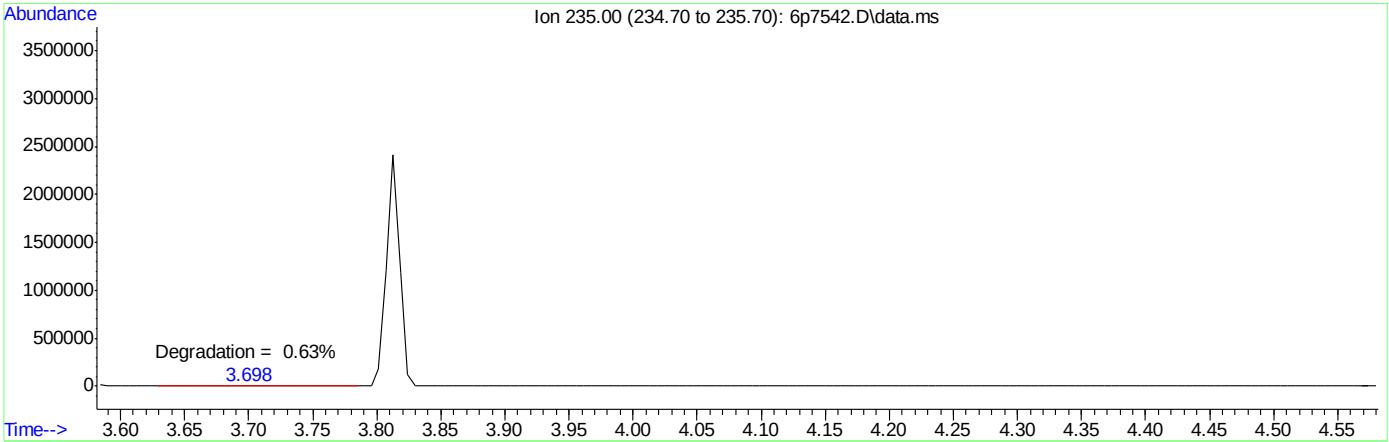
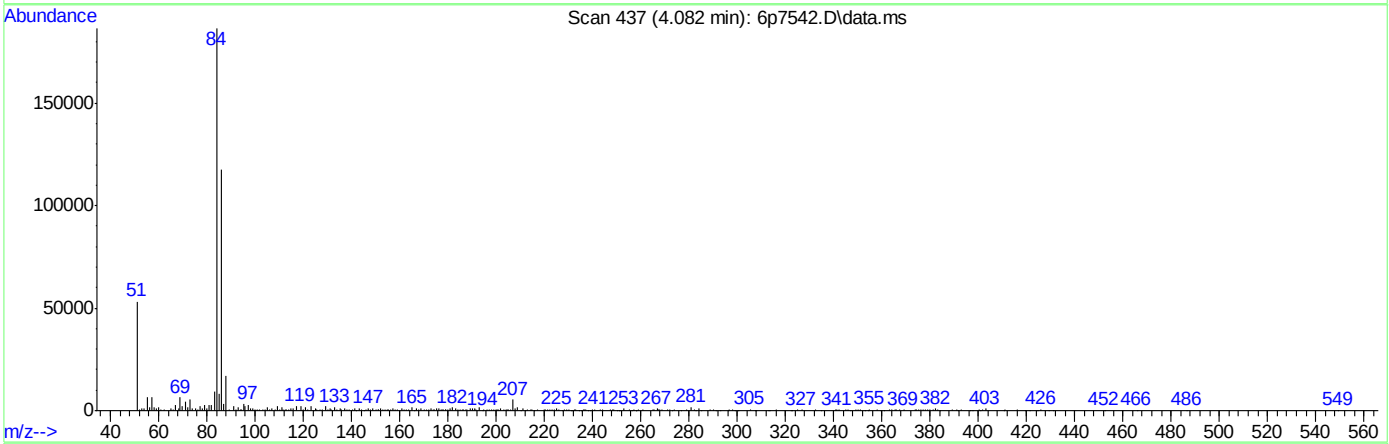
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7542.D
Acq On : 30 May 2014 12:00 pm
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p320
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 12:06:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7542.D\data.ms

(3) PP-DDT

4.082min (-4.082) 0.00

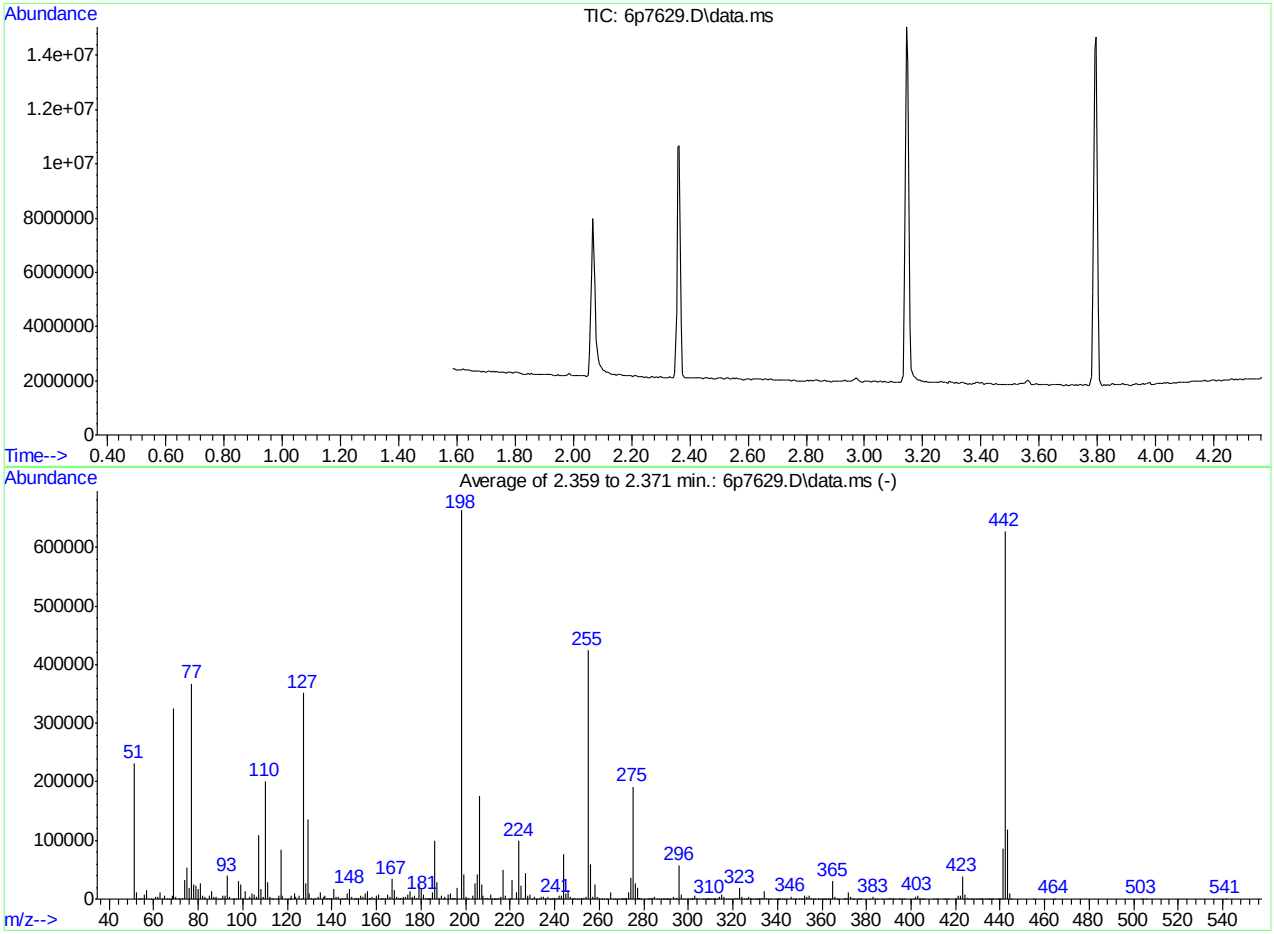
response 0

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\e6p323\6p7629.D Vial: 1
Acq On : 2 Jun 2014 9:16 am Operator: ashleyv
Sample : DFTPP Inst : MS6P
Misc : op74494,e6p323 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 136, 137, 138; Background Corrected with Scan 122

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.0	232256	PASS
68	69	0.00	2	1.7	5462	PASS
69	198	0.00	100	49.0	324605	PASS
70	69	0.00	2	1.0	3122	PASS
127	198	40	60	53.0	351008	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	662891	PASS
199	198	5	9	6.5	42978	PASS
275	198	10	30	29.0	191990	PASS
365	198	1	100	4.7	30872	PASS
441	443	0.01	100	71.5	85277	PASS
442	198	40	100	94.8	628139	PASS
443	442	17	23	19.0	119256	PASS

6p7629.D DFTPP6P.M Tue Jun 03 11:56:29 2014 RPT1

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	232256	62.95	11581	73.95	31672	85.95	14208
52.00	11498	64.05	703	74.95	54120	87.00	3131
53.05	567	65.00	5164	76.10	19060	87.95	4496
53.95	27	65.90	93	77.00	367253	88.95	375
55.00	1480	66.95	489	78.10	24308	89.95	291
55.95	8279	67.90	81	79.00	23748	91.00	5432
57.00	14714	68.15	5462	80.00	18097	91.95	6268
57.90	870	69.00	324605	80.95	26016	93.00	40108
58.95	2	69.95	3122	82.00	6102	94.00	3052
60.95	3227	71.15	1362	83.00	3728	96.05	2914
61.95	4558	73.05	2218	85.00	5101	97.05	797

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.95	30688	108.00	17250	119.00	150	130.00	9316
99.00	24587	109.05	3925	119.95	722	130.90	2044
99.85	2466	109.95	201137	121.10	43	131.90	649
101.00	13551	111.00	28560	121.95	6673	132.85	1084
101.90	789	112.00	4797	123.00	10513	134.00	2974
102.95	4547	113.10	1776	123.95	4184	135.00	10971
104.05	9286	113.85	292	125.00	5025	136.05	4286
105.00	8502	115.05	854	126.10	665	137.05	5641
105.95	3058	115.95	6085	127.00	351008	137.95	1658
106.30	352	117.00	84946	128.00	26794	138.90	1154
107.00	108472	117.90	5934	129.00	136682	139.10	42

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.00	2067	150.80	178	159.95	5178	170.05	1208
141.00	16681	151.00	2340	161.00	6866	170.50	143
142.00	4848	152.00	1688	161.90	885	171.00	1590
142.90	3167	153.00	6498	162.10	308	172.00	3082
143.95	670	154.00	4317	163.05	1054	173.00	3566
144.95	1029	155.05	9144	164.00	1164	174.05	7298
146.00	2887	155.95	13213	165.00	7056	175.05	12890
147.00	9827	156.70	216	166.00	4673	176.05	3761
148.00	18001	157.10	2620	167.00	33959	177.00	5358
149.00	4573	157.95	3303	168.00	16319	177.95	2248
150.00	1007	159.05	1679	169.00	2970	179.00	25876

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
180.05	17541	188.95	6171	200.05	3500	211.05	7157
181.00	8497	189.95	853	201.45	2555	211.95	474
181.90	1930	190.90	3050	203.00	5302	212.80	326
182.80	243	192.00	7381	204.00	26080	213.00	300
183.00	208	193.00	9312	205.10	41790	213.20	117
183.30	321	193.95	1448	206.00	175987	213.95	390
183.95	1901	194.20	260	207.05	25317	215.00	1900
185.10	12236	194.95	1919	207.95	6065	216.05	4201
186.05	99592	196.05	19930	209.00	1965	217.00	49450
187.00	27883	198.00	662891	209.95	2819	218.05	5645
188.00	2767	199.00	42978	210.50	444	219.15	292

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
220.20	1072	231.90	529	240.95	2343	251.05	770
221.00	32887	233.05	951	242.00	5354	251.90	1172
223.00	11487	234.00	3066	243.05	6466	252.10	124
224.05	98616	235.10	3692	244.10	77283	252.95	2321

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225.10	23334	236.00	2288	245.00	9746	254.10	4536
226.05	2395	237.00	2944	246.00	15351	255.00	425195
226.95	43406	237.90	215	246.95	4107	256.00	59152
228.00	5095	238.10	441	247.80	365	257.00	4366
228.95	7838	238.95	2059	248.10	438	258.00	25285
229.95	976	239.70	253	249.00	2815	259.00	3424
231.05	3723	240.10	1373	249.95	682	260.10	1025

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
260.95	609	270.90	468	278.95	612	289.00	111
261.30	111	271.15	393	280.10	107	289.15	105
261.95	346	271.70	117	281.90	532	290.05	732
263.10	297	272.05	1431	282.20	115	290.30	90
263.85	316	273.00	11668	283.05	2578	291.05	376
265.00	11032	274.00	35988	284.00	1377	292.05	980
265.90	688	274.95	191990	285.00	3289	293.10	4287
267.15	444	276.00	26675	286.00	496	294.05	878
268.90	217	277.00	18611	287.00	96	295.05	1555
269.85	615	277.90	1465	287.90	134	296.00	57828
270.05	149	278.10	1261	288.90	209	297.00	7770

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
297.95	491	307.95	479	314.00	3283	325.80	435
299.20	241	308.20	322	315.00	7196	326.00	99
300.00	81	308.80	208	316.00	3241	326.90	3037
300.95	925	309.05	455	317.05	862	327.90	2095
301.70	128	309.60	70	318.00	201	329.15	665
302.10	1216	309.90	702	318.90	184	330.05	185
303.05	6262	310.95	200	321.05	1819	330.80	111
304.05	2112	311.30	104	322.00	1167	331.20	141
305.00	179	311.80	184	323.05	18897	332.10	1592
306.20	218	312.15	240	324.05	3654	333.05	1696
307.10	220	313.05	780	324.95	186	334.05	12731

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
335.05	2934	346.05	3888	356.95	311	365.00	30872
335.90	400	347.00	902	358.00	165	366.00	3828
336.90	171	348.20	92	358.20	92	366.95	257
339.00	407	349.80	150	359.05	610	367.20	181
339.90	232	350.90	191	360.00	109	369.80	86
340.10	87	351.10	282	360.95	195	370.10	436
340.85	967	352.05	5272	361.50	112	371.10	1814
341.10	967	353.05	4572	361.90	111	372.05	10899
342.05	232	354.00	5977	362.60	72	373.05	3042
343.00	199	355.10	1259	362.80	106	374.05	29
344.10	111	356.00	197	364.00	164	374.30	182

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
376.20	89	391.15	1081	404.00	2144	420.10	73
377.05	528	391.80	233	404.95	337	421.05	5261
377.30	96	392.10	492	405.20	109	422.05	5304
381.20	84	393.00	119	406.10	72	423.10	38656
383.10	3026	394.60	117	409.90	192	424.00	8103
383.90	655	395.10	166	410.90	101	424.95	1102
385.10	430	396.20	75	411.90	70	425.50	224
387.10	107	397.00	277	414.80	105	426.90	71
388.90	72	401.00	1013	415.10	220	427.40	83
389.80	135	402.05	4391	416.60	84	428.00	92
390.00	809	403.00	6182	419.80	132	429.30	133

Average of 2.359 to 2.371 min.: 6p7629.D\data.ms

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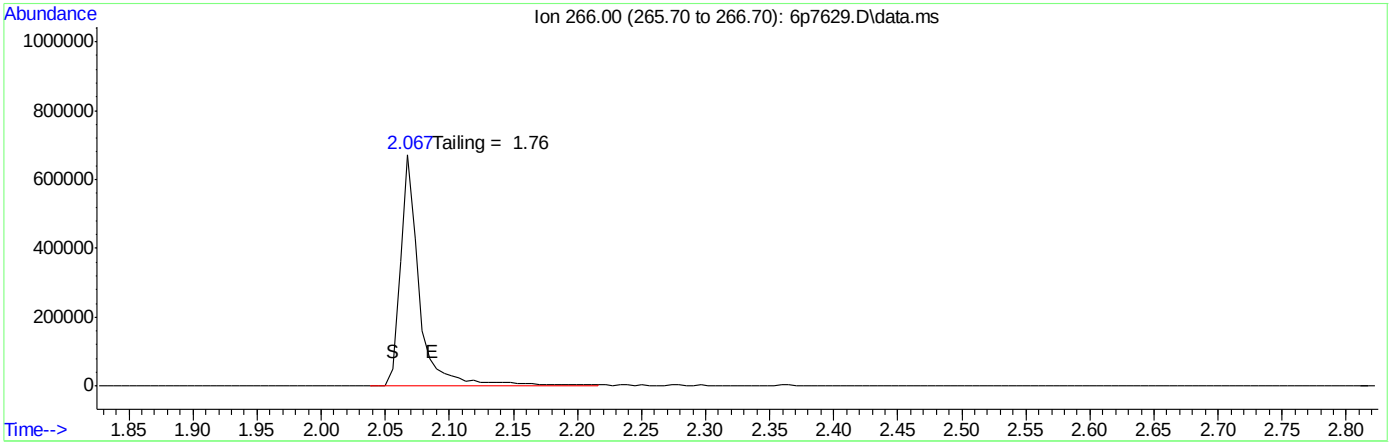
DFTPP
Modified:subtracted

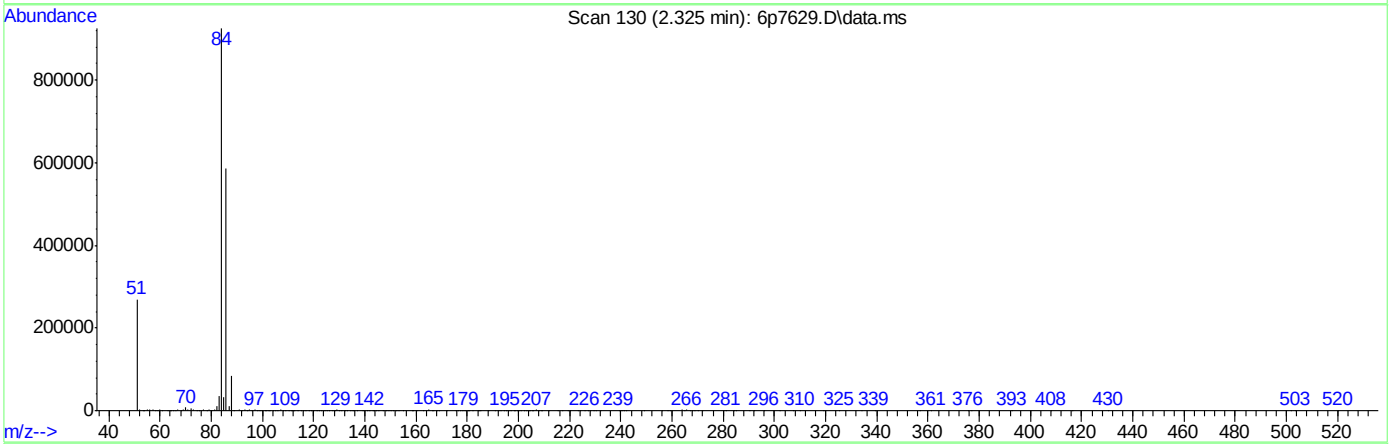
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
430.10	129	436.90	80	455.10	110		
430.80	279	438.10	86	464.30	161		
431.20	122	439.20	197	503.20	150		
431.70	105	439.50	142	504.10	95		
431.90	69	439.80	74	505.90	72		
433.10	73	440.15	258	541.20	127		
434.20	68	441.05	85277				
434.80	89	442.05	628139				
435.20	126	443.05	119256				
435.80	110	444.05	9629				
436.40	75	445.05	690				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7629.D
Acq On : 2 Jun 2014 9:16 am
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p323
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 02 09:22:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7629.D\data.ms

(1) Pentachlorophenol

2.325min (-2.325) 0.00

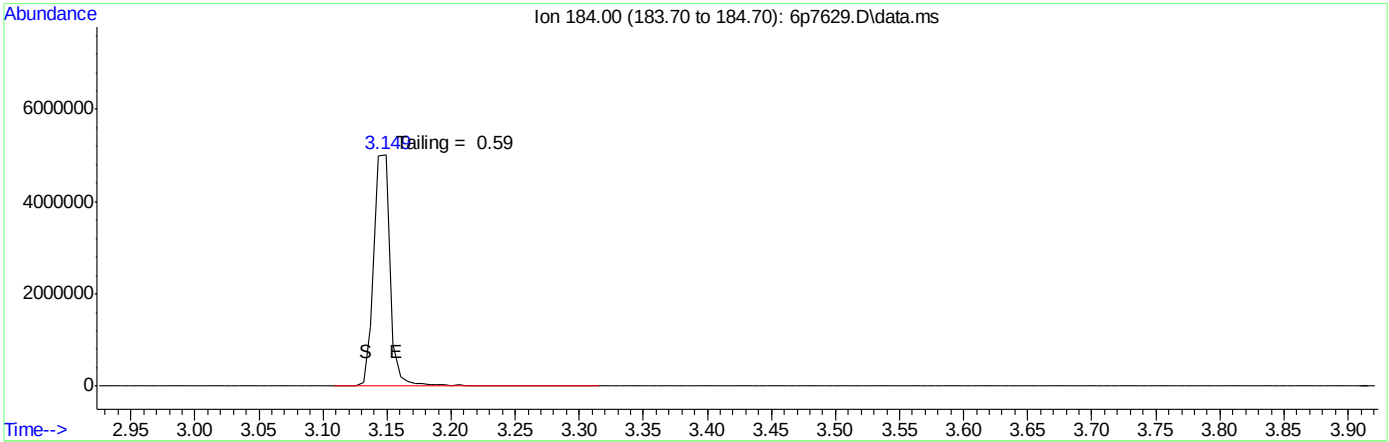
response 0

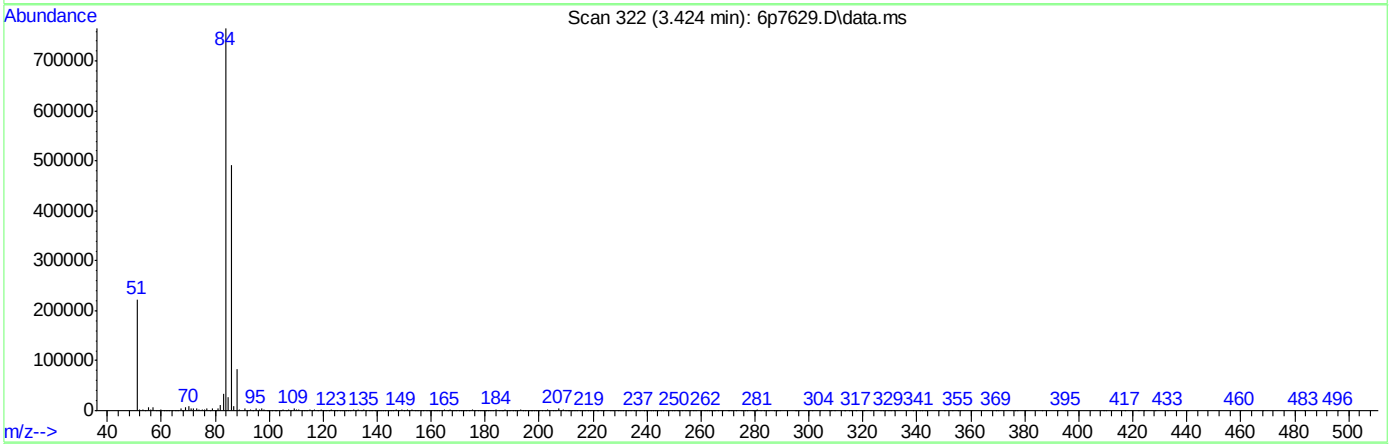
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7629.D
Acq On : 2 Jun 2014 9:16 am
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p323
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 02 09:22:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7629.D\data.ms

(2) Benzidine

3.424min (-3.424) 0.00

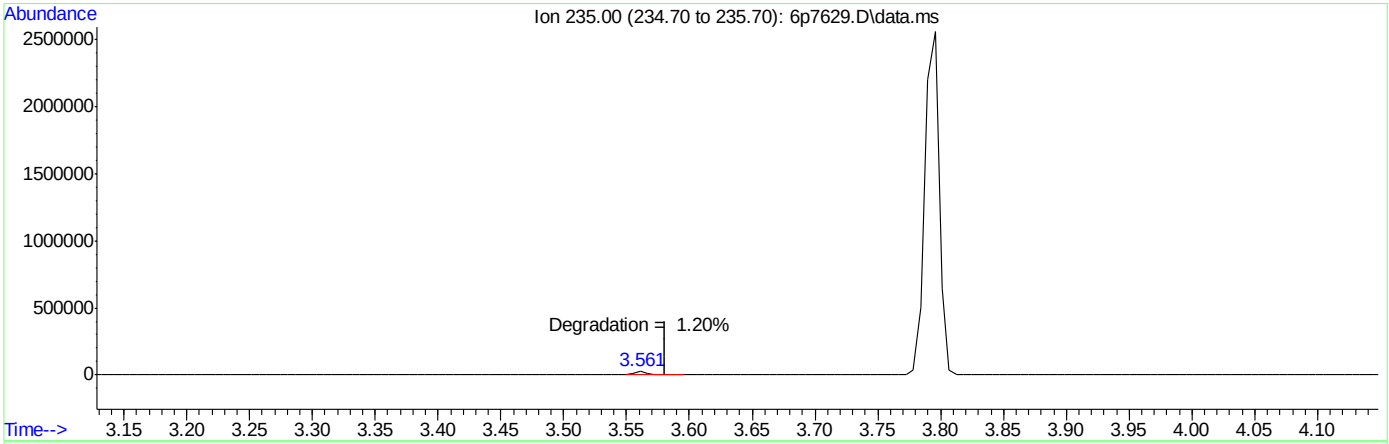
response 0

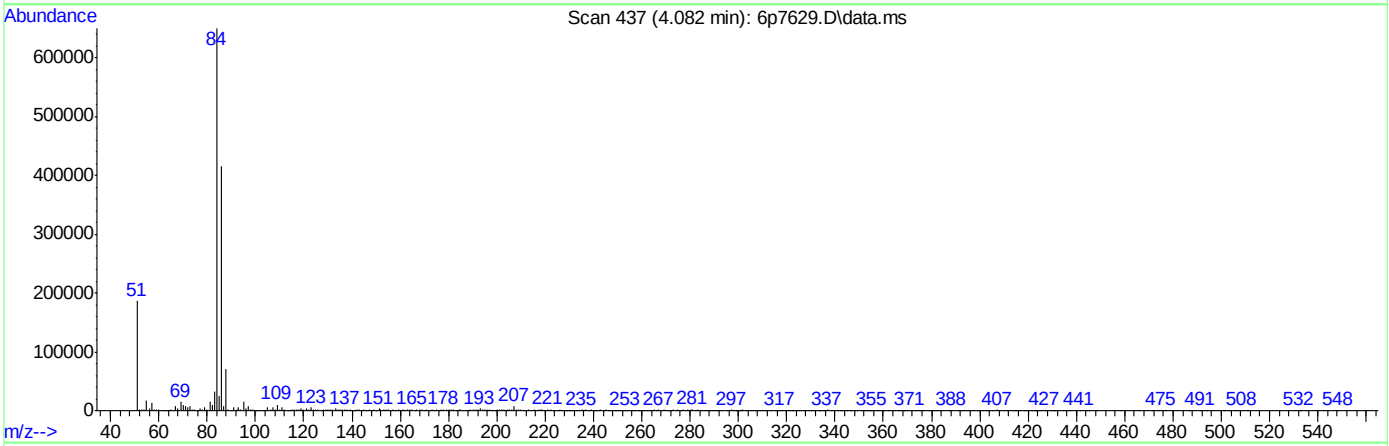
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7629.D
Acq On : 2 Jun 2014 9:16 am
Operator : ashleyv
Sample : DFTPP
Misc : op74494,e6p323
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 02 09:22:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP6P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Sat May 10 11:51:25 2014
Response via : Initial Calibration





TIC: 6p7629.D\data.ms

(3) PP-DDT

4.082min (-4.082) 0.00

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

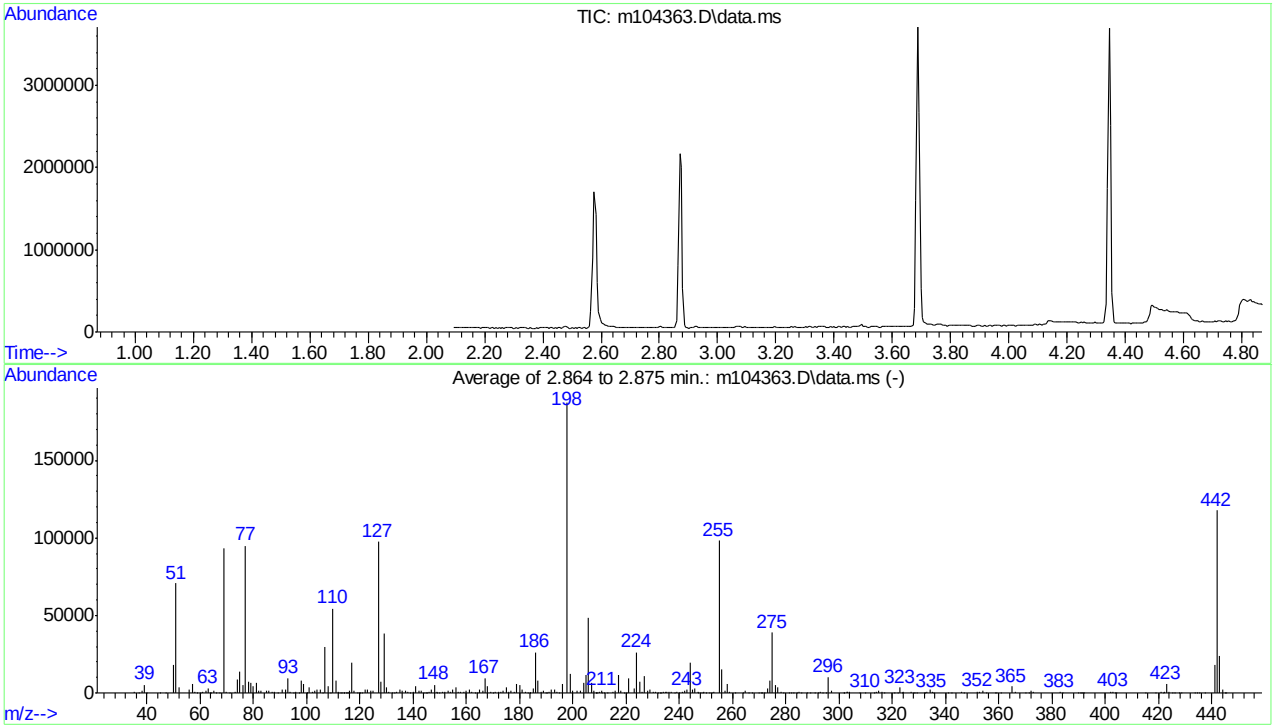
ACCUTEST LABORATORIES JB67744

DFTPPR

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
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 145, 146, 147; Background Corrected with Scan 140

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.7	70538	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.9	93427	PASS
70	69	0.00	2	0.6	573	PASS
127	198	40	60	52.1	97544	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	187248	PASS
199	198	5	9	6.6	12356	PASS
275	198	10	30	20.8	38991	PASS
365	198	1	100	2.3	4341	PASS
441	443	0.10	100	76.3	18055	PASS
442	198	40	100	62.7	117493	PASS
443	442	17	23	20.1	23673	PASS

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	599	57.00	5857	67.10	125	80.00	4560
37.05	151	58.10	561	69.00	93427	81.00	6352
38.05	1117	58.90	93	69.95	573	82.00	1516
39.10	5304	60.00	311	71.05	329	83.00	1527
39.95	191	61.00	1018	73.00	596	85.00	1344
45.00	75	62.05	1225	74.05	8455	86.00	1148
47.00	176	63.05	3171	75.00	13508	87.00	734
50.10	18450	63.90	119	76.10	4957	87.95	445
51.05	70538	64.05	378	77.05	94734	89.00	230
52.10	3578	65.05	1501	78.05	6961	91.05	1950
56.05	2405	66.00	16	79.00	6415	92.00	1840

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	9468	103.00	1485	112.90	106	119.85	382
94.00	834	104.00	2424	113.10	348	120.10	123
95.10	142	105.00	2150	113.90	75	120.90	123
96.00	786	105.90	177	114.20	71	122.00	1839
97.00	102	107.00	29368	114.90	219	122.95	2040
98.05	8011	108.00	4726	115.15	5	123.95	1128
99.00	5958	109.00	89	115.90	333	125.05	1315
100.00	141	110.00	54584	116.10	1322	127.00	97544
100.20	231	111.00	7932	117.00	19616	128.05	7360
101.00	3950	111.70	191	117.95	1626	129.00	38073
102.05	428	112.00	867	119.10	306	130.05	3443

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.00	544	142.05	1320	151.15	815	162.10	665
132.05	353	143.05	1205	151.95	564	163.15	230
133.05	40	144.10	378	153.00	1526	164.05	303
134.00	1036	144.95	271	154.00	904	164.95	1927
135.00	2541	145.30	98	155.00	2023	166.05	1672
136.05	1246	146.05	1008	156.00	3641	167.00	9683
137.00	1541	147.00	2441	157.00	832	168.00	4262
138.05	455	148.00	5156	157.90	985	169.05	786
139.00	267	148.90	195	159.05	863	169.95	359
139.95	560	149.05	886	159.95	1433	171.05	604
141.00	4407	149.85	311	161.05	2338	171.95	1048

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.95	1024	183.80	275	193.00	2152	206.00	48552
174.00	1809	184.10	268	194.00	630	207.05	6325
175.05	3529	185.00	2745	195.00	107	208.05	1576
176.05	1062	186.00	26195	196.05	5495	208.70	169
176.95	1711	187.05	8216	198.00	187248	208.90	301
178.05	481	188.00	757	198.95	12356	209.10	229
179.00	5968	188.95	1758	199.95	1187	210.10	835
180.00	4782	189.90	160	201.55	1169	210.70	291
180.95	2354	190.10	139	203.00	1792	211.00	1487
182.05	437	191.05	1098	204.00	6638	211.60	107
183.00	188	192.00	2351	205.05	11609	213.05	274

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
214.95	571	227.00	10543	236.00	659	246.90	105
216.05	1306	227.95	1483	237.05	829	247.05	689
217.00	11346	229.00	2171	238.10	109	247.95	219
218.05	1769	230.05	406	238.90	401	248.70	74

DFTPPm.M Tue May 13 16:59:42 2014 MSM

219.10	161	230.95	1050	239.95	231	249.00	787
220.00	185	232.05	200	241.05	551	250.00	170
221.05	9166	232.90	115	242.05	1392	251.10	100
223.00	2633	233.20	142	243.05	1864	252.10	192
224.00	26071	233.85	679	244.05	19232	253.10	594
225.00	6953	234.80	472	245.00	2413	255.00	98061
226.05	952	235.10	425	246.00	3215	256.00	15131

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
257.00	1235	271.80	233	284.00	303	297.00	1424
258.00	5454	273.00	3156	285.00	811	301.70	72
258.95	975	274.00	7665	286.00	136	302.00	187
261.00	71	275.00	38991	287.80	102	302.90	708
263.75	346	276.00	5421	289.00	71	303.10	575
264.95	1771	277.00	3443	290.90	184	304.00	397
265.95	306	278.05	515	291.95	177	307.80	91
267.10	84	279.00	100	292.95	501	310.00	140
269.90	147	281.00	98	293.90	90	313.10	67
270.80	82	282.20	216	295.00	193	314.05	572
271.20	77	283.00	378	296.00	10372	315.00	1302

Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.00	916	331.90	129	352.90	743	373.00	458
317.10	176	332.20	82	354.05	1207	382.95	478
320.90	375	333.00	446	355.10	297	384.00	122
321.80	68	334.05	1939	358.80	67	389.90	239
323.00	3326	335.00	523	359.00	73	390.70	93
323.80	128	335.60	67	360.90	101	391.00	129
324.00	632	341.10	273	364.95	4341	391.40	73
326.95	720	342.10	114	366.00	613	392.00	115
327.90	183	345.85	575	370.00	104	401.95	821
328.20	86	346.95	164	371.10	165	402.90	1027
329.00	68	352.05	944	371.95	1734	403.70	148

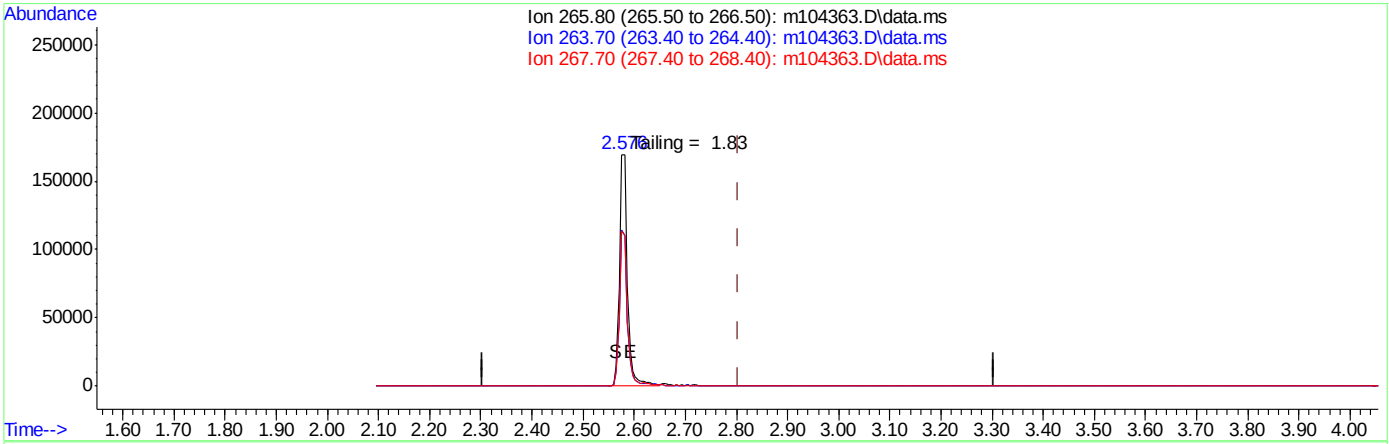
Average of 2.864 to 2.875 min.: m104363.D\data.ms
dftpp
Modified:subtracted

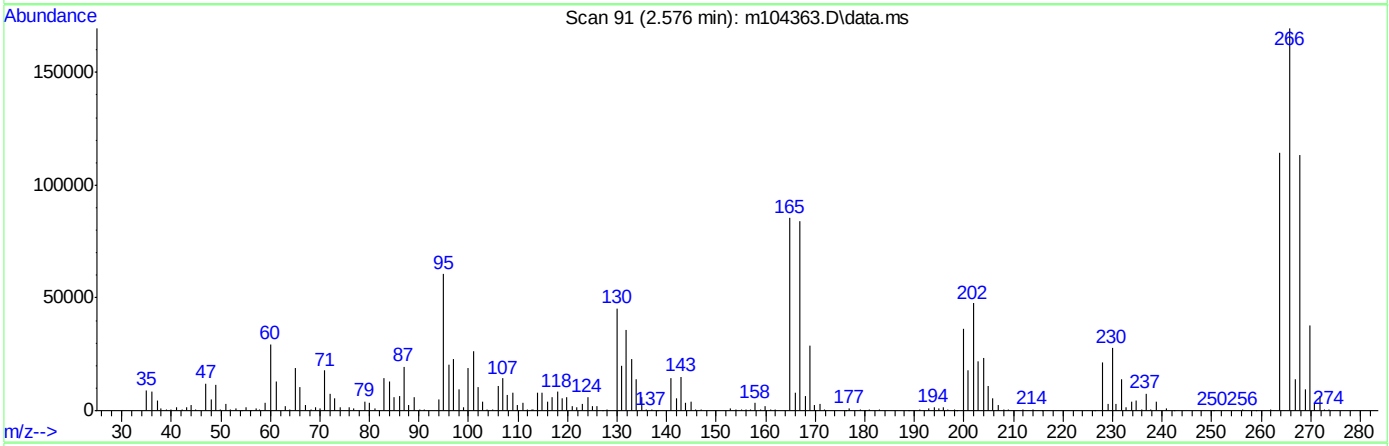
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.00	178	428.45	198				
415.00	81	433.70	101				
418.70	88	434.50	79				
421.00	752	435.20	79				
421.90	236	437.40	72				
422.10	545	441.00	18055				
423.00	5557	442.00	117493				
423.95	1065	443.00	23673				
425.20	148	444.00	2280				
426.10	119	444.90	78				
427.50	91	445.20	74				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 16:59:05 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: m104363.D\data.ms

(1) Pentachlorophenol (MC)

2.576min (-0.229) 83.23ng

response 180220

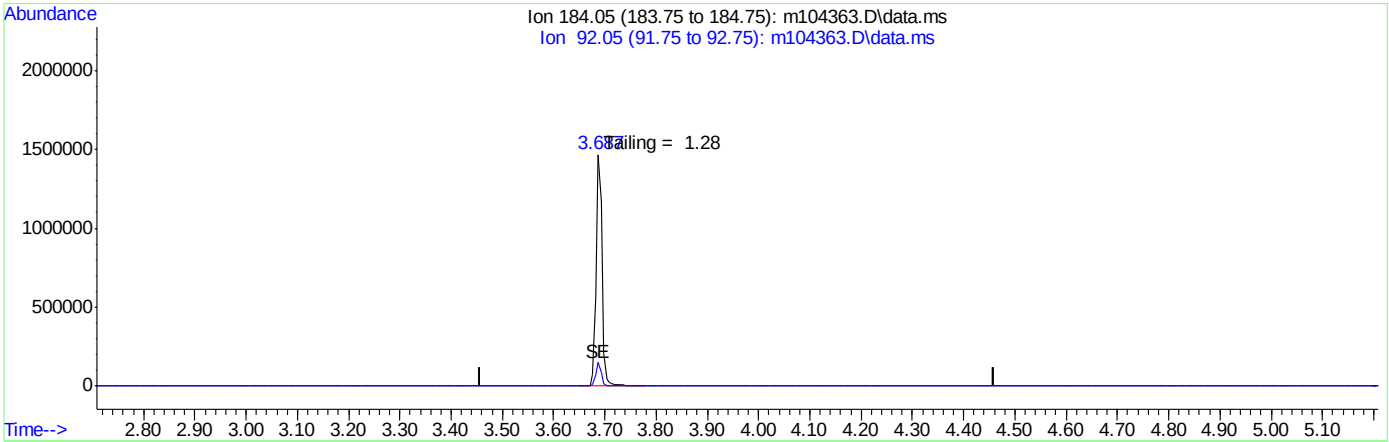
Ion	Exp%	Act%
265.80	100	100
263.70	64.70	67.33
267.70	64.60	66.71
0.00	0.00	0.00

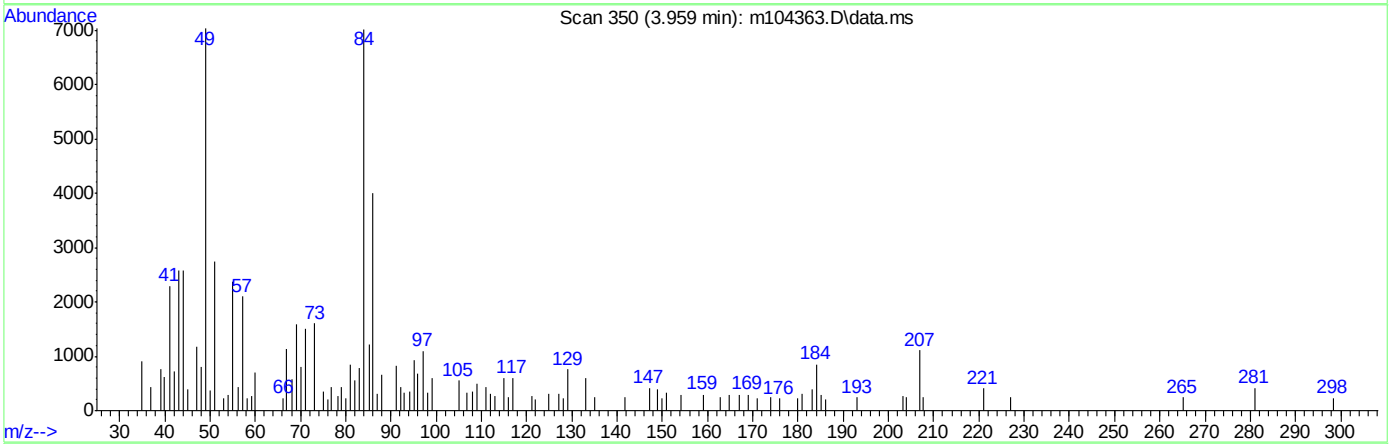
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 16:59:05 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: m104363.D\data.ms

(2) Benzidine (M)

3.959min 0.00ng d

response 0

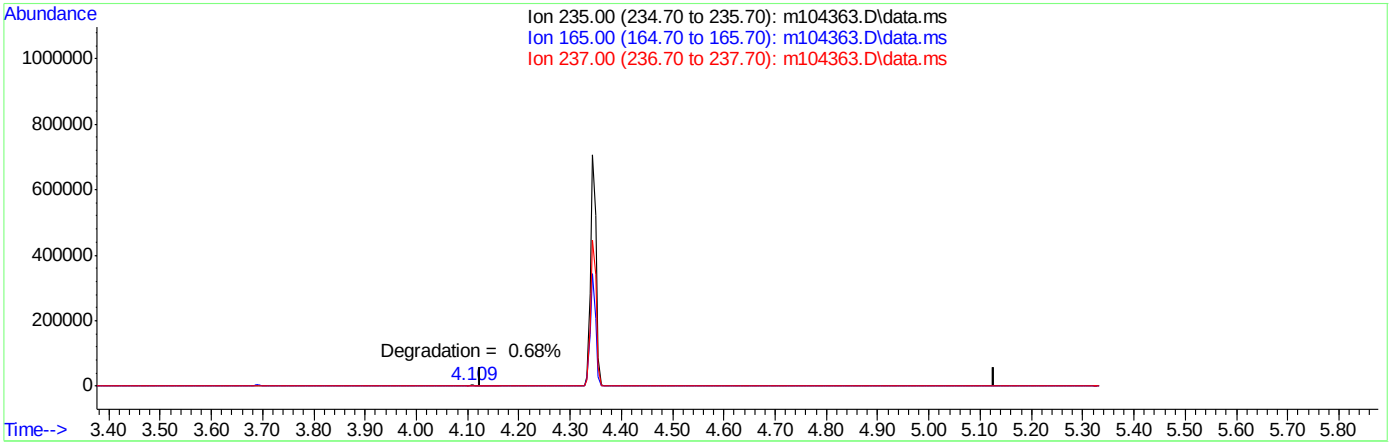
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

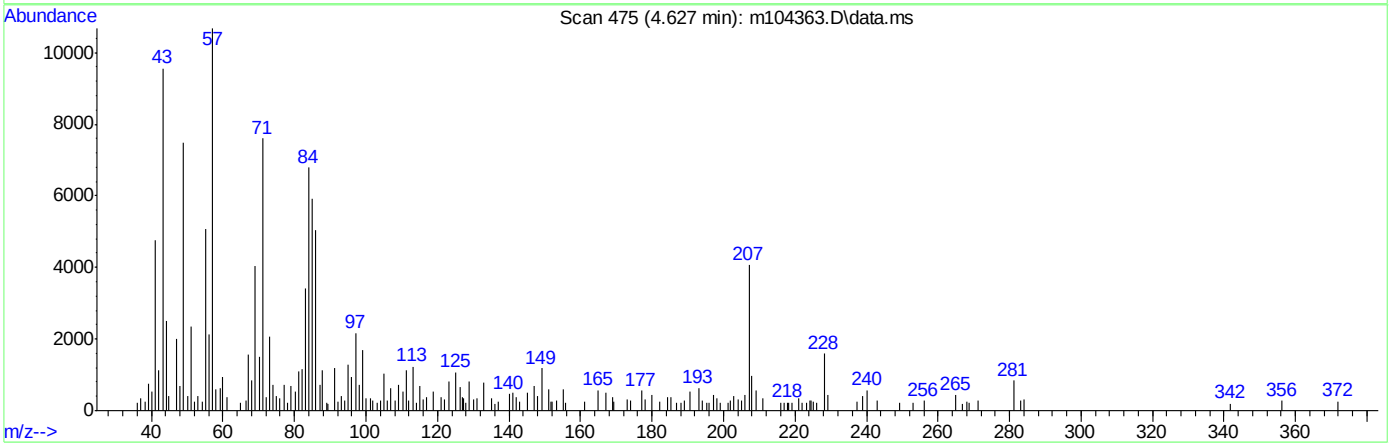
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104363.D
Acq On : 13 May 2014 2:45 pm
Operator : saumilp
Sample : dftpp
Misc : op73826,em4271
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 16:59:05 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: m104363.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

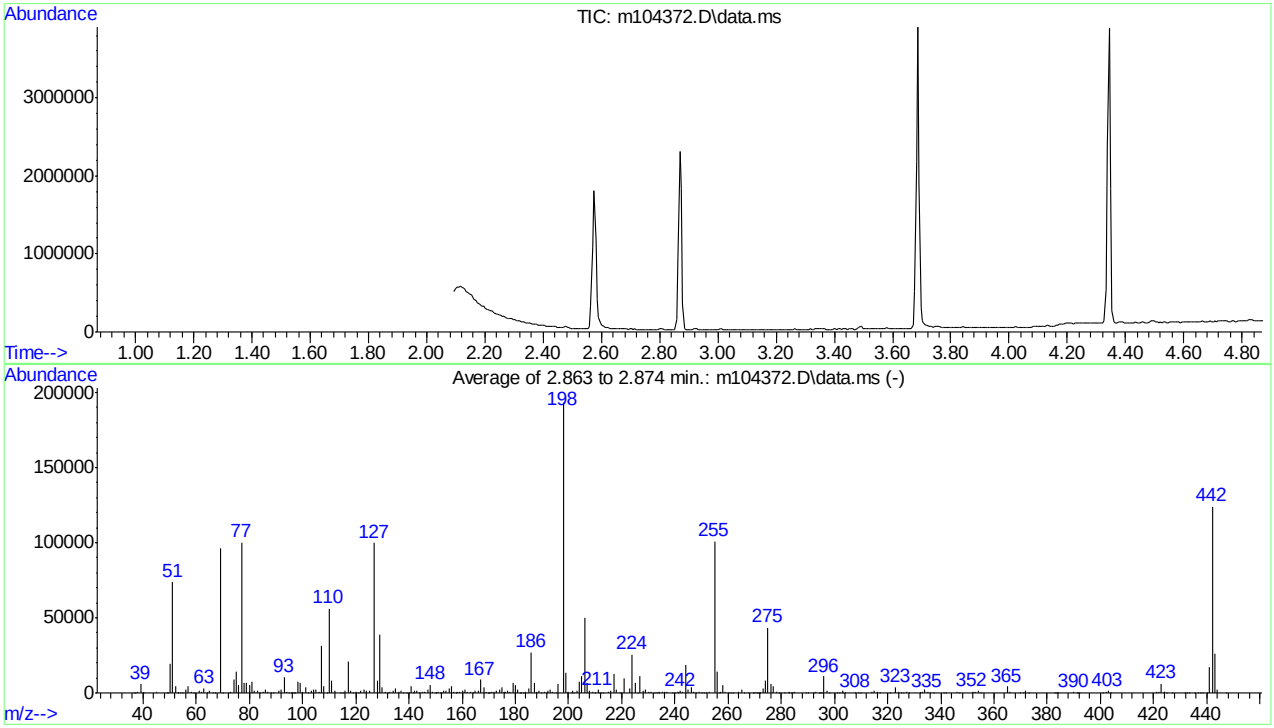
ACCUTEST LABORATORIES JB67744

DFTPPR

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
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 145, 146, 147; Background Corrected with Scan 140

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.2	73741	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	50.0	96540	PASS
70	69	0.00	2	0.2	198	PASS
127	198	40	60	51.7	99824	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	193256	PASS
199	198	5	9	6.8	13102	PASS
275	198	10	30	22.5	43538	PASS
365	198	1	100	2.2	4261	PASS
441	443	0.10	100	67.9	17550	PASS
442	198	40	100	64.1	123970	PASS
443	442	17	23	20.9	25858	PASS

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.50	76	52.10	4295	63.00	3098	76.05	5013
36.95	236	53.00	15	64.00	353	77.05	100295
38.15	823	53.20	136	65.05	1820	78.05	6902
39.10	5637	54.10	247	66.20	131	79.00	6621
40.00	70	55.00	246	67.05	272	80.00	5129
40.20	250	56.05	2577	69.00	96540	81.00	7311
45.00	411	57.05	4838	69.90	198	82.00	1652
49.00	318	58.15	445	72.00	74	83.05	1164
49.20	279	59.00	111	73.00	719	84.05	145
50.10	19436	61.05	1145	74.05	8867	85.05	873
51.05	73741	62.00	1038	75.00	14296	86.00	1954

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	845	96.90	217	107.00	31059	119.00	151
88.05	393	97.10	79	108.00	4398	120.05	595
88.95	278	98.05	7848	109.05	245	121.05	301
91.00	1894	99.00	6803	110.00	56346	122.00	1875
92.00	2076	100.00	650	111.00	8474	123.00	2599
93.00	10550	101.05	3893	112.05	1218	124.00	1285
94.05	959	102.00	194	114.05	139	125.05	1563
94.95	240	103.10	1363	115.15	327	127.00	99824
95.90	117	104.00	2368	116.05	1285	128.05	8039
96.00	164	105.00	2042	117.00	21248	129.00	38520
96.15	306	106.05	733	118.00	1673	130.00	3481

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.95	826	141.70	167	151.00	472	160.00	1431
131.95	324	142.05	1590	151.75	242	160.95	2211
133.00	414	143.00	1301	152.10	355	162.00	585
134.00	1236	143.90	250	153.00	1281	162.95	420
135.00	2914	145.05	406	154.00	1376	164.00	190
136.05	880	146.00	984	155.00	2679	165.00	1416
137.05	1567	147.05	2525	156.05	4179	166.05	1540
137.95	248	148.00	5270	156.95	436	166.95	8957
138.95	141	149.00	1010	157.70	366	168.00	4122
140.00	334	149.90	200	158.05	442	169.05	969
141.00	4416	150.10	232	159.00	839	169.90	343

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.10	125	177.10	894	187.05	6889	198.00	193256
170.40	115	178.00	517	188.05	923	198.95	13102
171.05	501	179.00	6886	189.00	1808	200.00	896
172.00	923	180.05	5039	189.90	254	201.00	145
173.05	1196	181.00	2271	190.95	791	201.50	1285
174.05	1974	181.80	88	191.90	296	202.05	167
175.05	3494	182.00	299	192.10	1861	203.05	1484
175.90	139	182.90	123	193.05	2625	204.00	7135
176.00	418	184.00	408	194.05	486	205.05	11348
176.15	703	185.05	3271	195.00	397	206.00	49640
176.90	1376	186.05	27113	196.00	6324	206.95	6695

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
208.00	1585	219.10	103	231.05	1122	241.20	174
209.05	604	219.80	239	232.10	85	242.00	1214
209.90	300	221.00	9956	233.05	200	243.00	979
211.05	2037	223.05	2682	233.90	442	244.05	18644

DFTPPm.M Wed May 14 09:42:24 2014 MSM

211.80	186	224.00	25394	234.10	288	245.00	2462
212.10	70	225.05	6943	235.05	994	246.00	3702
213.00	345	226.00	173	236.05	724	247.00	762
215.00	782	227.00	11068	237.00	1032	248.00	374
216.00	1343	228.05	1807	239.00	334	249.00	844
217.00	12414	229.00	2065	239.95	380	250.15	235
218.00	2001	230.05	616	240.95	409	250.90	213

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
251.80	181	263.95	511	273.00	3057	284.10	303
252.95	812	265.00	1980	274.00	8558	285.05	600
255.00	100992	266.00	398	275.00	43538	289.00	84
256.00	14413	267.80	292	276.00	6131	289.95	178
256.90	257	269.20	84	277.00	4273	292.00	69
257.05	851	270.00	130	278.05	673	292.95	857
258.00	5243	270.70	102	279.20	98	294.05	265
259.00	834	271.00	124	281.10	81	294.70	105
260.10	163	271.30	76	282.80	84	295.00	108
260.90	91	271.70	101	283.00	453	296.00	10863
261.90	76	271.90	188	283.90	67	297.00	1871

Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
298.10	73	315.95	1010	332.95	406	354.00	1264
301.05	199	317.00	72	334.05	2515	354.95	245
301.95	180	321.00	360	334.95	456	364.95	4261
302.90	201	323.00	4057	336.10	73	366.00	506
303.05	1519	324.05	756	337.10	73	369.80	87
304.00	340	325.10	89	341.00	387	371.00	183
307.90	122	326.00	90	342.00	75	372.00	1609
308.90	102	326.95	640	345.95	766	373.00	337
310.00	85	328.00	384	346.80	88	382.70	107
314.05	523	332.00	221	352.00	1092	383.00	226
314.95	1346	332.20	118	353.00	807	383.70	86

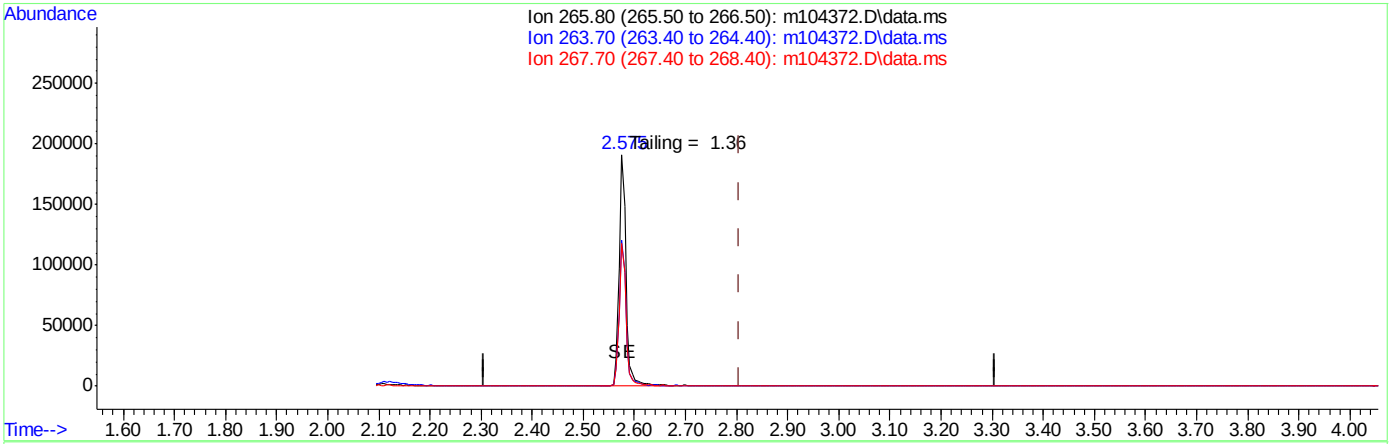
Average of 2.863 to 2.874 min.: m104372.D\data.ms
dftpp
Modified:subtracted

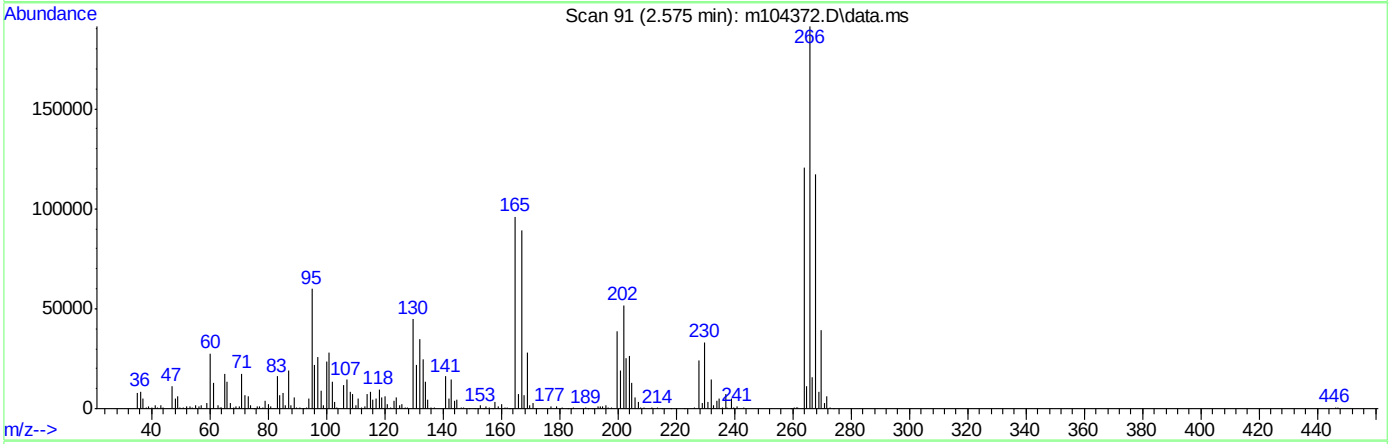
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
384.00	173	423.00	6347	438.35	228		
390.05	425	423.90	744	439.90	68		
391.00	172	424.10	939	441.00	17550		
391.70	80	425.10	77	442.00	123970		
392.00	71	427.10	75	443.00	25858		
400.90	77	431.50	100	444.00	2103		
402.00	817	432.60	86	447.10	105		
403.00	1154	433.40	86				
403.95	281	435.30	92				
420.95	763	436.50	74				
421.95	784	437.50	95				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 08:33:27 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: m104372.D\data.ms

(1) Pentachlorophenol (MC)

2.575min (-0.230) 84.15ng

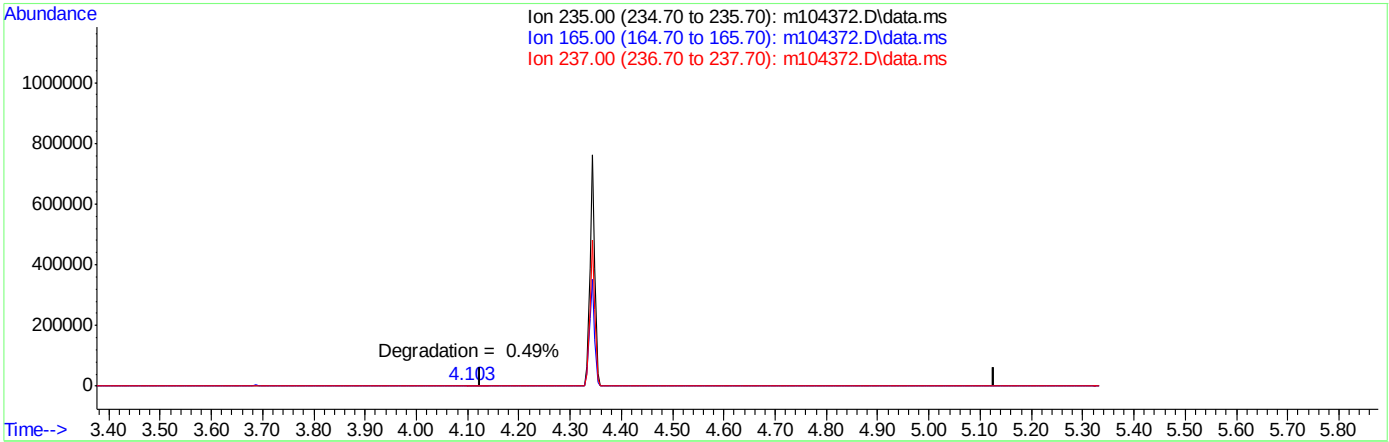
response 182218

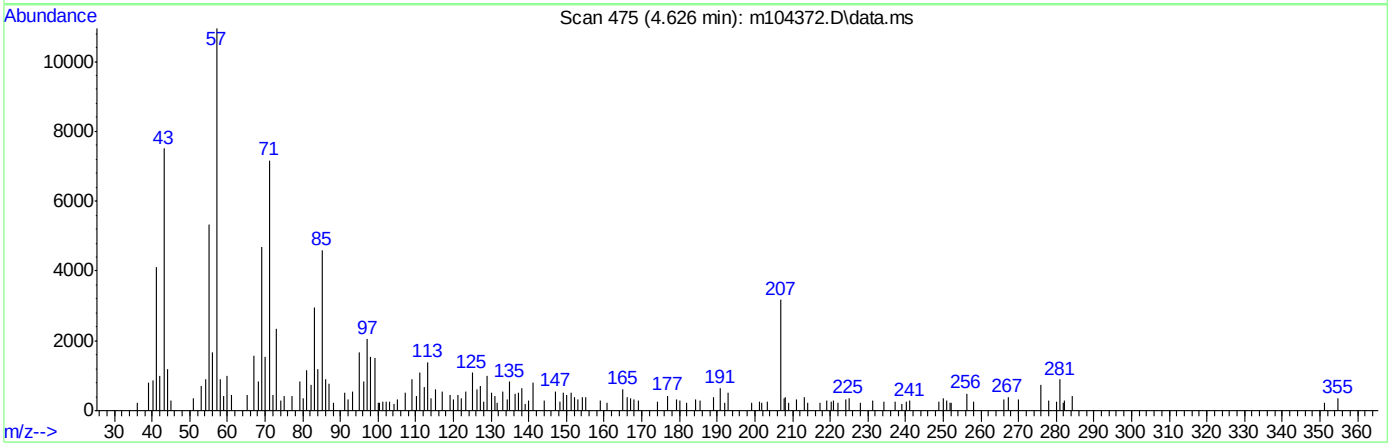
Ion	Exp%	Act%
265.80	100	100
263.70	64.70	63.18
267.70	64.60	61.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 08:33:27 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: m104372.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

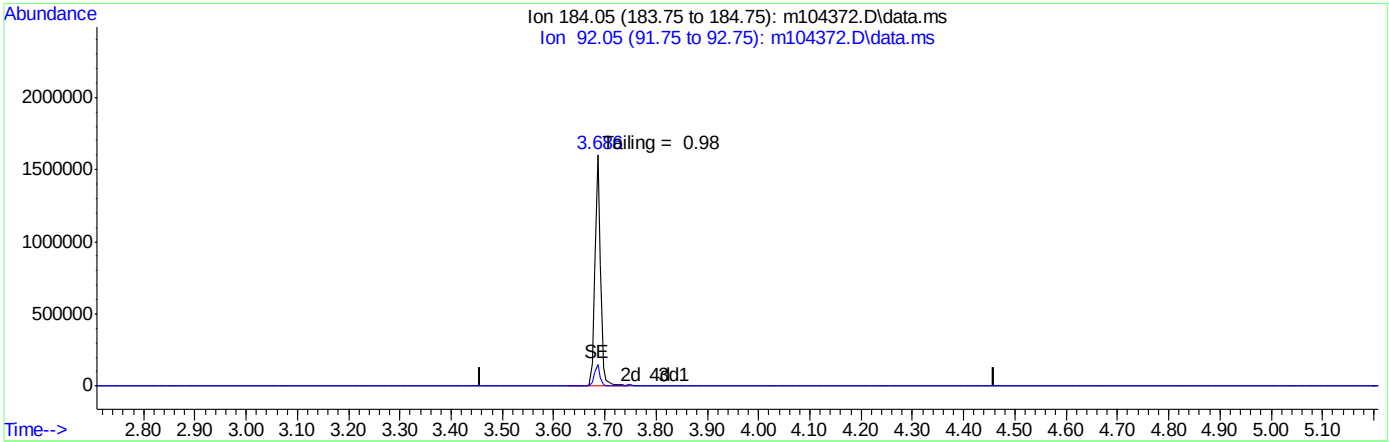
response 0

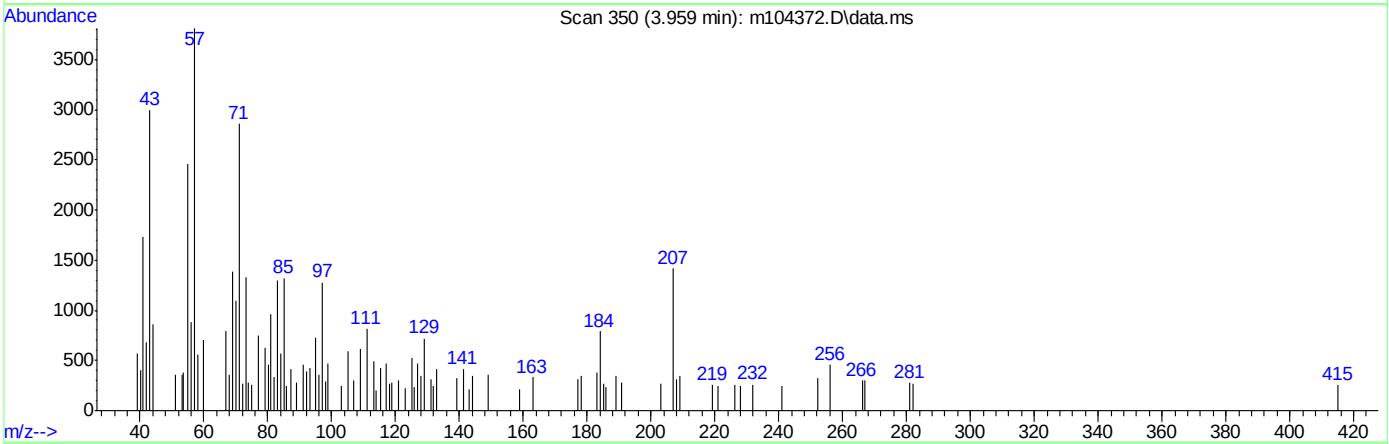
Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104372.D
Acq On : 14 May 2014 8:27 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4272
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 08:59:39 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: m104372.D\data.ms

(2) Benzidine (M)

3.959min 0.00ng d

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

9.5.11.3

9

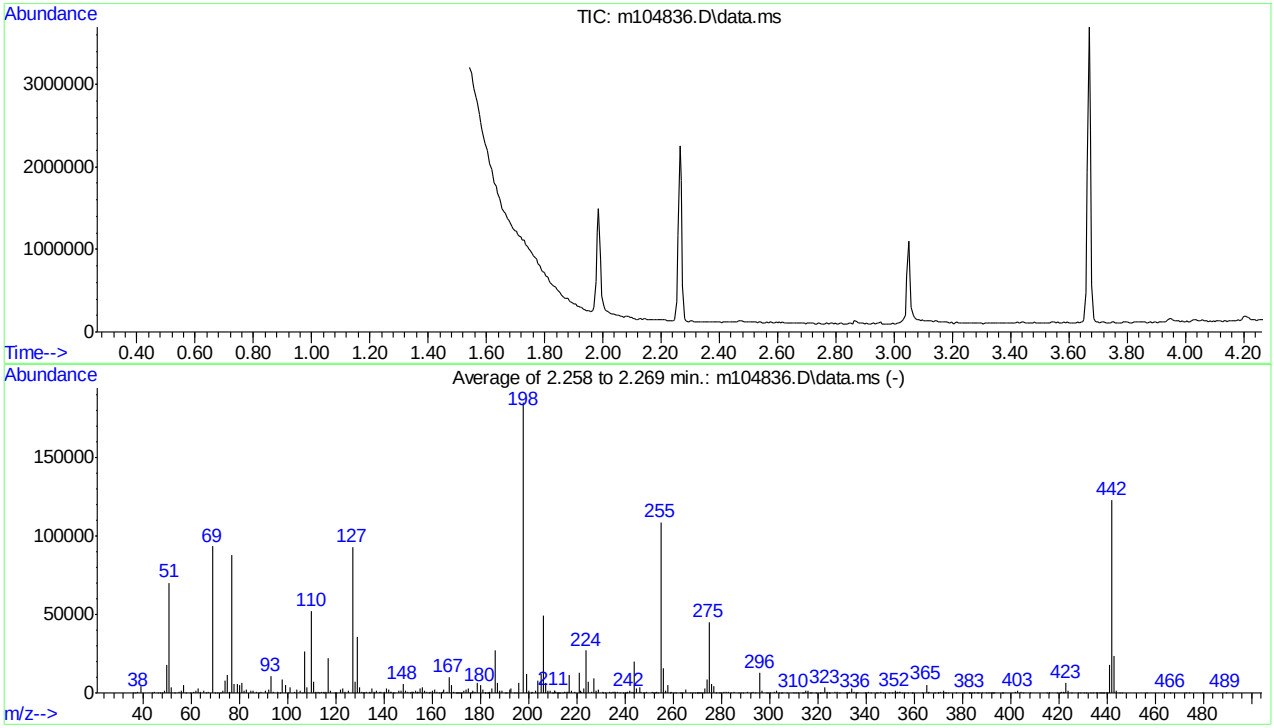
ACCUTEST LABORATORIES
JB67744

DFTPPR

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104836.D
Acq On : 3 Jun 2014 8:39 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4291
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 135, 136, 137; Background Corrected with Scan 129

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.9	70247	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	50.4	93424	PASS
70	69	0.00	2	0.4	374	PASS
127	198	40	60	50.3	93247	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	185258	PASS
199	198	5	9	6.7	12372	PASS
275	198	10	30	24.4	45256	PASS
365	198	1	100	2.8	5124	PASS
441	443	0.10	100	75.5	17883	PASS
442	198	40	100	66.5	123221	PASS
443	442	17	23	19.2	23701	PASS

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	107	51.05	70247	64.00	386	76.05	773
37.05	174	52.00	3786	65.05	1675	77.05	87673
38.00	913	53.00	16	66.10	233	78.00	6100
39.10	4667	55.00	700	66.90	388	79.00	5770
44.00	199	56.00	1735	69.00	93424	80.00	4784
45.00	630	57.05	4719	69.95	374	80.95	6684
46.10	182	57.95	292	70.70	102	81.95	1224
47.00	109	59.80	212	72.20	84	83.10	2171
48.05	265	61.05	1051	73.10	1271	85.00	1441
49.00	1515	62.00	1322	74.00	7778	85.95	1217
50.05	17919	63.05	3101	75.00	11692	87.05	800

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	54	101.05	3495	113.10	54	124.00	933
89.05	612	103.00	852	114.15	471	125.05	1175
91.05	1522	103.95	2297	114.80	318	127.00	93247
92.05	1951	105.05	1705	115.05	785	128.05	7123
92.95	10800	106.00	47	116.00	604	128.95	35863
94.05	960	107.00	26341	117.00	22211	130.05	3689
96.05	691	107.90	3515	118.00	1735	131.05	1031
96.70	280	110.00	52424	119.90	204	131.50	127
98.05	8466	111.00	7448	120.20	86	131.80	269
99.05	5346	111.80	466	122.00	2088	132.80	523
100.05	44	112.85	399	123.05	2675	133.90	698

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.05	78	143.05	736	152.10	593	160.00	1385
135.05	2545	143.90	109	152.95	1562	161.05	2326
135.80	192	144.10	252	153.70	265	162.10	891
136.15	526	146.05	1321	153.95	881	163.00	141
137.00	1333	147.00	1708	154.20	391	163.80	201
138.05	436	147.95	5562	155.00	2616	164.10	491
138.95	525	149.05	1332	156.05	3438	164.95	1967
140.00	558	149.95	561	157.05	1286	166.10	685
140.95	3186	150.90	322	158.00	568	167.00	10329
142.10	1931	151.15	555	158.60	210	168.00	4748
142.80	388	151.65	486	159.10	430	169.10	442

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.80	134	176.90	536	184.05	692	195.20	379
170.40	206	177.05	1742	185.00	2888	195.95	6684
170.80	163	177.95	728	186.05	27360	198.00	185258
171.10	247	178.95	6305	187.00	6762	199.00	12372
171.70	166	180.00	4695	188.05	1374	200.05	1553
172.00	158	181.00	2364	189.00	1540	201.10	296
173.00	1341	181.80	188	190.40	196	201.50	963
174.05	2202	182.10	70	190.80	161	202.95	1213
175.05	2930	182.90	205	192.00	2404	204.00	7586
175.80	357	183.20	123	192.90	3222	205.05	12421
176.20	277	183.60	87	194.05	211	206.00	49720

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.05	6736	213.15	202	222.10	571	233.75	583
208.00	1602	214.15	146	223.00	2902	234.00	321
209.05	1180	214.90	581	224.00	27140	234.90	801
209.95	57	215.15	486	225.00	7338	235.70	387

DFTPPm.M Tue Jun 03 11:06:44 2014 MSM

210.30	338	215.90	399	226.10	970	235.95	386
210.80	1489	216.20	726	227.00	9194	237.00	926
211.05	1448	216.95	11586	228.10	1410	237.70	93
211.30	497	217.95	1775	228.95	2010	239.00	337
211.80	329	219.05	624	230.70	139	240.20	152
212.15	374	221.00	12915	231.05	1018	240.80	174
212.90	203	221.75	1566	231.85	89	241.05	486

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.00	1399	251.60	109	260.00	341	270.30	94
243.00	1036	252.00	76	261.00	212	271.00	268
243.20	242	252.60	75	262.70	109	271.30	157
244.05	19842	253.00	896	263.40	40	271.90	87
245.00	3025	253.40	360	263.90	329	272.70	259
245.95	3624	255.00	108749	265.05	2371	273.05	2902
246.85	962	256.00	16025	267.15	253	274.00	8501
247.80	271	257.10	1280	267.90	105	275.00	45256
248.20	204	257.95	5119	268.80	116	276.00	5636
249.05	566	258.90	304	269.70	83	277.00	4439
251.10	402	259.05	764	269.95	209	278.00	381

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
279.25	177	292.20	246	304.90	104	317.30	94
279.80	129	292.95	1064	305.20	113	319.20	68
281.10	900	293.90	319	307.00	73	321.00	174
282.10	391	296.00	12611	310.00	103	321.20	84
283.00	708	297.00	1637	310.80	78	321.85	380
283.95	46	298.80	107	311.90	72	323.05	3266
285.05	746	299.10	72	313.70	77	323.80	84
287.20	106	299.90	87	314.10	375	324.05	772
288.20	86	302.05	413	314.90	1255	324.60	78
289.05	148	303.10	1502	315.90	1220	325.00	305
290.85	466	303.95	348	317.00	198	327.00	597

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
327.95	699	340.30	108	353.05	858	366.00	736
329.00	75	341.10	420	353.90	880	368.70	79
331.70	103	342.00	214	354.10	560	369.70	163
332.00	167	344.20	67	355.10	244	370.10	147
332.70	69	344.90	70	355.80	119	370.85	504
333.15	404	345.95	781	357.30	92	372.00	1597
334.05	2854	346.90	298	359.00	67	372.85	340
334.95	694	349.20	78	359.20	113	373.10	131
335.90	156	350.90	136	363.40	151	374.20	88
336.20	107	352.05	1214	365.00	5124	377.10	188
339.50	88	352.70	234	365.80	82	380.40	70

Average of 2.258 to 2.269 min.: m104836.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
382.70	248	392.10	73	415.70	73	428.90	84
382.80	169	392.80	76	416.00	96	430.40	211
382.95	368	393.10	82	419.40	137	431.10	186
383.90	88	396.40	102	420.70	164	433.10	181
384.80	90	396.90	170	421.05	529	434.25	252
386.15	171	401.95	864	421.75	274	435.30	142
386.40	85	403.00	1192	422.00	391	435.70	120
388.10	115	404.10	705	423.00	6343	437.00	106
390.10	275	405.40	84	424.05	1427	437.40	93
390.90	85	408.10	91	425.00	188	437.90	86
391.70	69	414.90	101	428.10	72	438.30	70

Average of 2.258 to 2.269 min.: m104836.D\data.ms

DFTPPm.M Tue Jun 03 11:06:44 2014 MSM

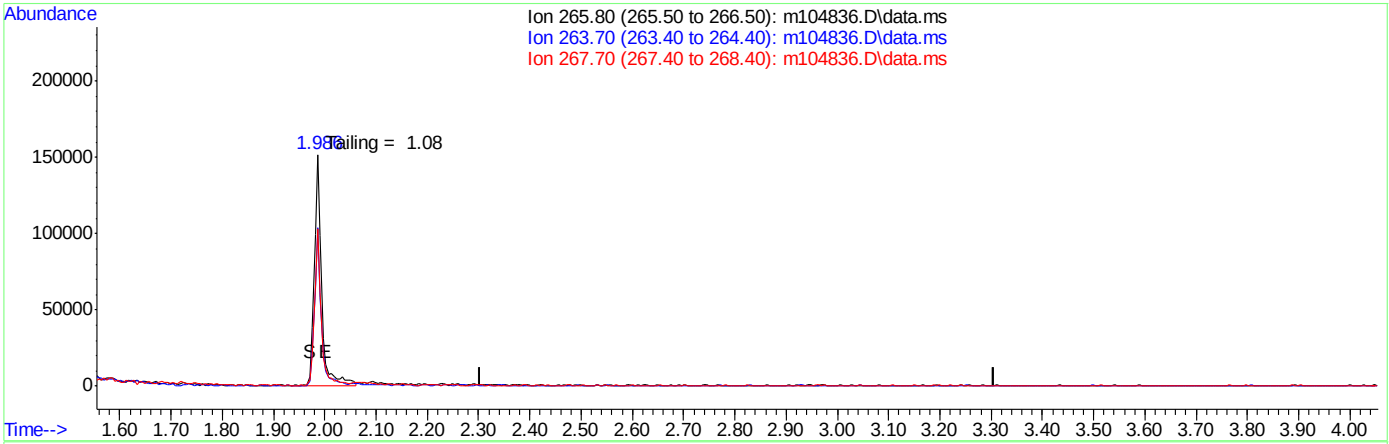
dftpp
Modified:subtracted

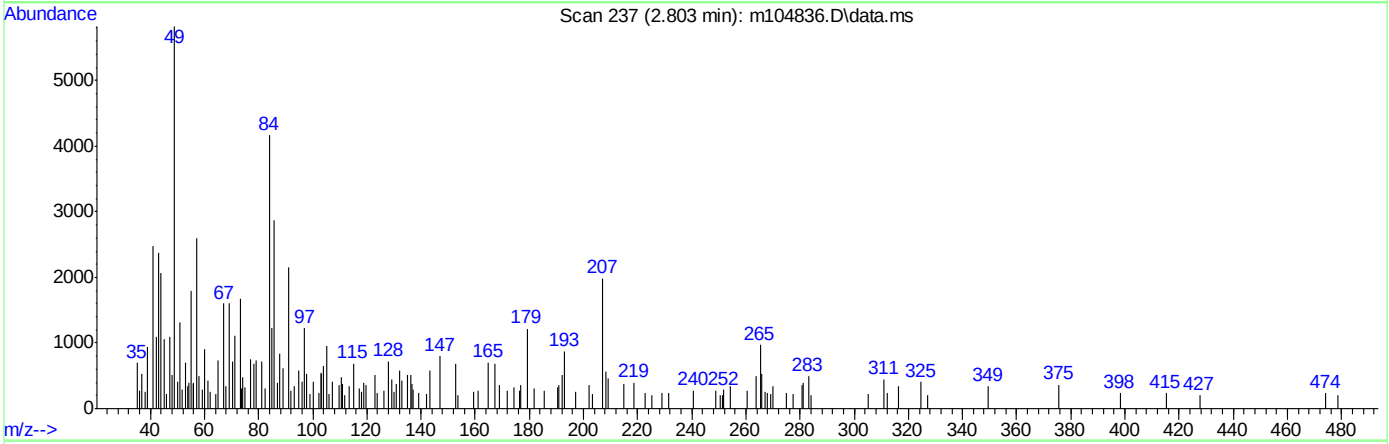
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
438.80	265	472.60	72				
439.70	164	473.90	89				
440.00	129	479.70	84				
441.00	17883	489.20	88				
442.00	123221						
443.00	23701						
443.95	1654						
445.00	215						
446.25	239						
456.60	78						
466.20	126						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104836.D
Acq On : 3 Jun 2014 8:39 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4291
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 08:45:19 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: m104836.D\data.ms

(1) Pentachlorophenol (MC)

2.805min 0.00ng d

response 0

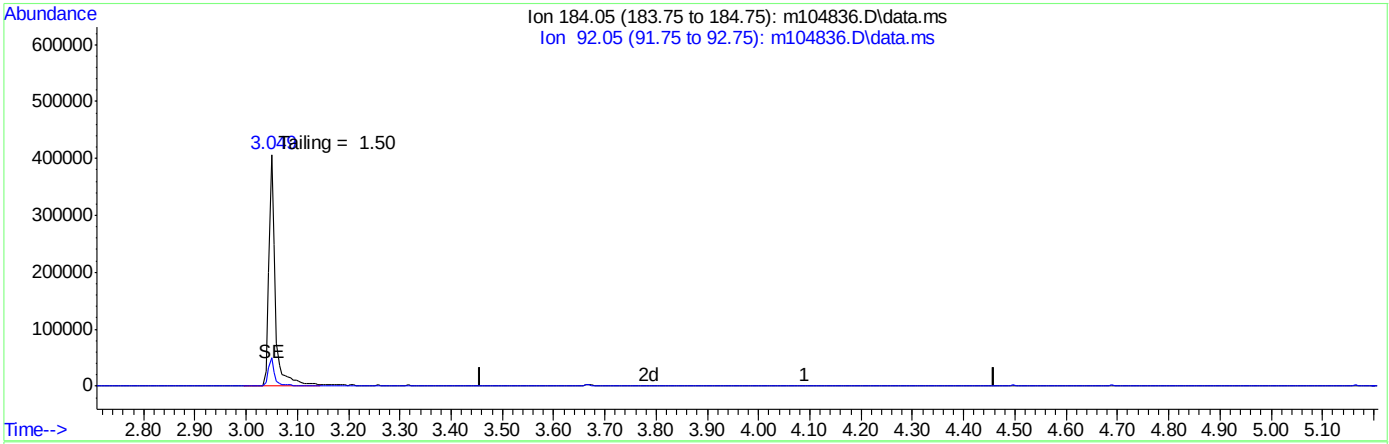
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00
267.70	64.60	0.00
0.00	0.00	0.00

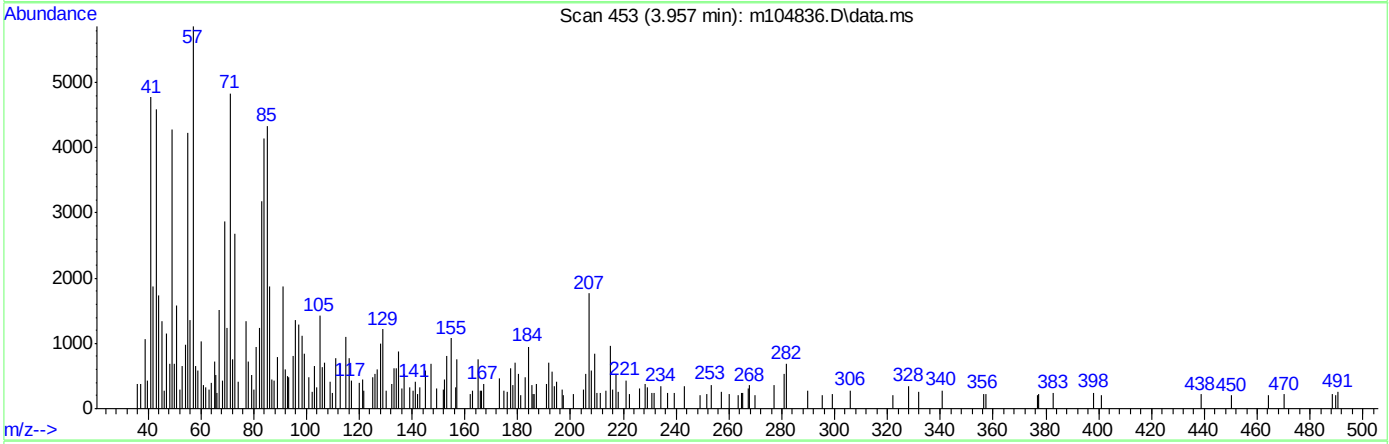
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104836.D
Acq On : 3 Jun 2014 8:39 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4291
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 08:45:19 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: m104836.D\data.ms

(2) Benzidine (M)

3.959min 0.00ng d

response 0

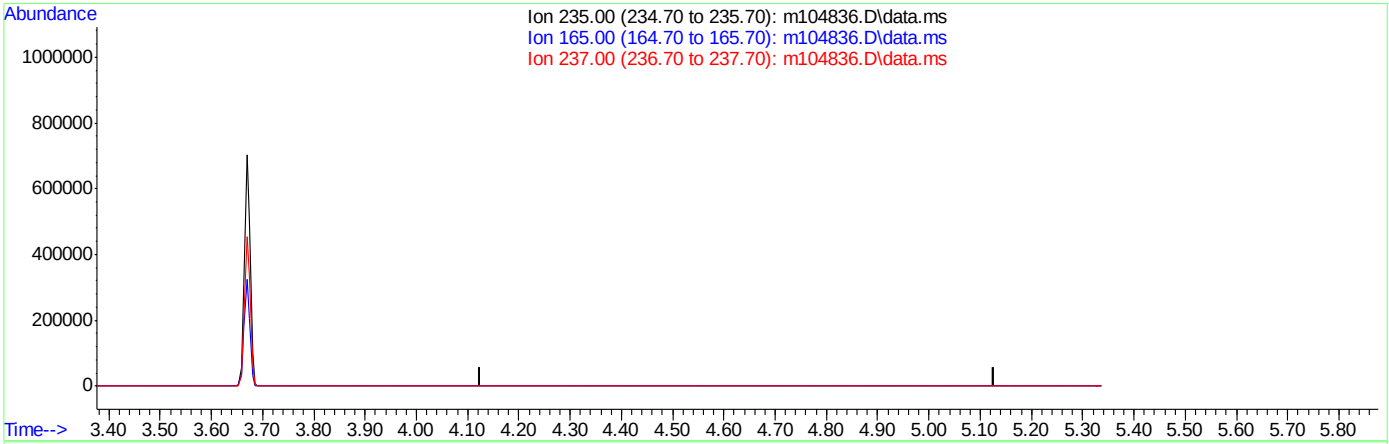
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

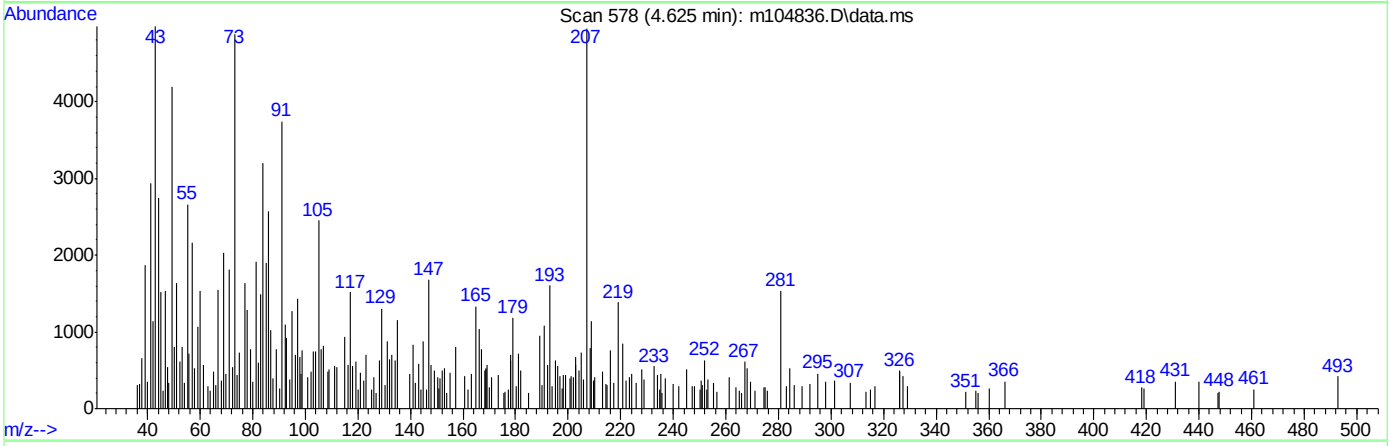
9.5.12.2
JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104836.D
Acq On : 3 Jun 2014 8:39 am
Operator : saumilp
Sample : dftpp
Misc : op73826,em4291
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 08:45:19 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: m104836.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

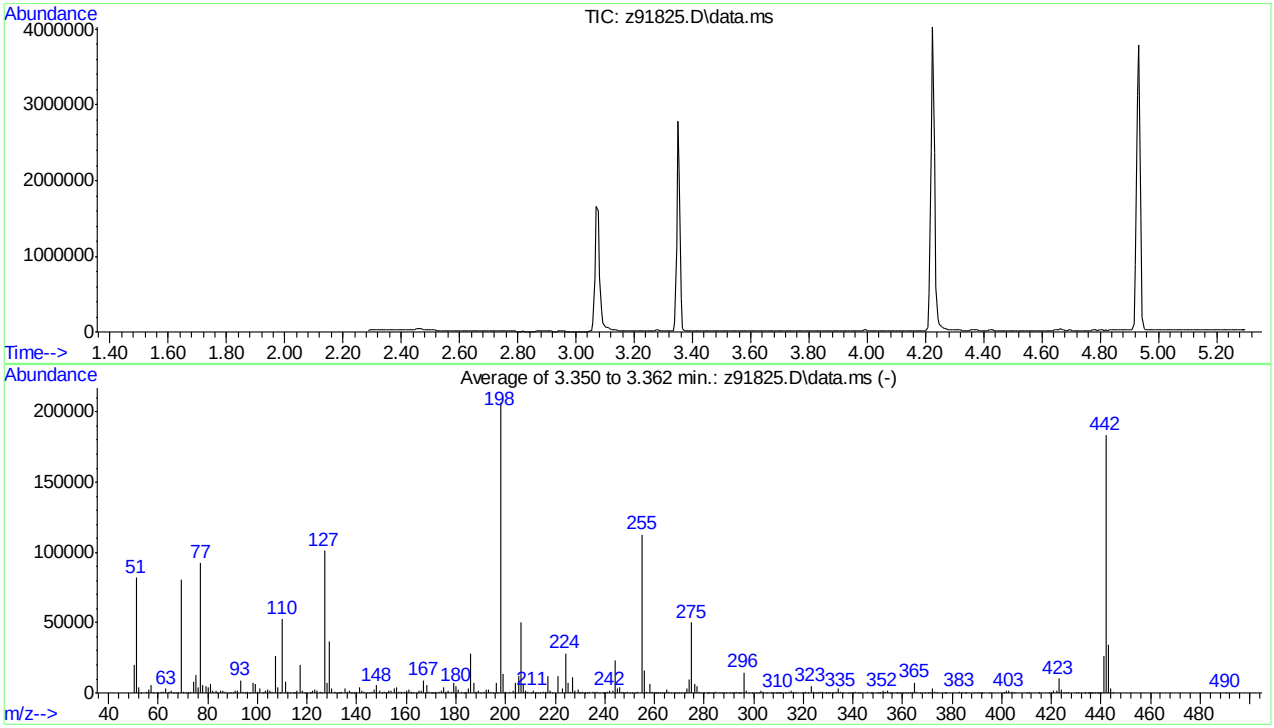
ACCUTEST LABORATORIES JB67744

DFTPP

Data Path : C:\msdchem\1\DATA\ez4570\
Data File : z91825.D
Acq On : 24 May 2014 3:10 pm
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 187, 188, 189; Background Corrected with Scan 182

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.7	82004	PASS
68	69	0.00	2	0.4	340	PASS
69	198	0.00	100	39.0	80616	PASS
70	69	0.00	2	0.6	447	PASS
127	198	40	60	49.0	101317	PASS
197	198	0.00	1	0.1	133	PASS
198	198	100	100	100.0	206736	PASS
199	198	5	9	6.5	13496	PASS
275	198	10	30	24.2	50106	PASS
365	198	1	100	3.5	7230	PASS
441	443	0.01	100	76.0	26182	PASS
442	198	40	100	89.0	183933	PASS
443	442	17	23	18.7	34432	PASS

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	20298	62.10	1072	73.05	450	83.95	39
51.05	82004	63.10	2834	74.05	7887	85.10	1232
52.10	4136	64.10	424	75.10	12467	86.10	1629
53.10	206	65.15	1693	76.10	4250	87.10	766
55.10	464	66.00	47	77.10	92232	88.05	246
56.10	2221	67.10	38	78.05	6015	89.00	156
57.10	5533	68.05	340	79.10	5105	90.05	80
58.05	245	69.10	80616	80.10	4262	91.10	1286
59.15	178	70.05	447	81.10	6093	92.10	1370
59.95	33	71.15	361	82.10	1635	93.10	9058
61.10	945	71.90	41	83.10	1407	94.05	660

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	217	106.10	690	117.10	19887	127.10	101317
96.15	596	107.05	26724	118.10	1643	128.10	7468
97.05	62	108.10	4345	119.05	92	129.10	36940
98.10	7138	109.10	65	120.00	394	130.00	2981
99.10	6096	110.05	52325	121.10	133	131.05	700
100.10	598	111.10	7746	121.30	19	132.05	322
101.00	3369	112.10	1073	122.00	1640	133.00	162
102.05	285	113.10	311	123.10	2645	133.20	94
103.05	1273	114.30	43	124.00	1309	134.10	1201
104.05	2228	115.05	249	125.10	1192	135.05	2965
105.05	1923	116.05	1294	125.90	39	136.05	1175

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1569	147.05	2656	157.80	30	167.05	9189
137.70	22	148.05	5361	158.05	734	168.10	5245
138.00	360	149.10	1319	159.05	597	169.00	1110
139.05	247	150.05	395	160.10	1465	170.05	286
140.00	523	151.10	707	161.05	2186	170.60	26
141.00	4383	152.00	275	161.80	28	171.05	365
142.05	1727	153.00	1345	162.05	618	172.05	797
143.00	994	154.00	1246	163.00	220	173.10	1063
144.10	298	155.10	2897	164.05	245	174.10	1816
145.05	276	156.10	3792	165.10	1838	175.10	3963
146.05	785	157.05	759	166.05	1469	176.00	1158

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.00	1720	188.10	784	199.00	13496	210.10	359
178.05	575	189.00	1766	199.80	88	211.00	1956
179.05	6993	190.00	302	200.00	915	211.90	32
180.10	4846	191.10	482	201.60	1034	212.95	148
181.10	2224	192.05	2201	203.10	1320	214.05	58
182.05	462	193.10	2654	204.10	6915	215.05	513
182.95	293	194.10	665	205.10	11825	216.05	980
184.00	547	195.05	135	206.05	49920	217.00	12086
185.10	3437	196.10	6882	207.05	6513	218.05	1678
186.10	27653	196.90	133	208.05	1687	219.05	216
187.10	7606	198.00	206736	209.05	730	221.10	11779

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.10	2912	232.15	127	242.10	1706	252.10	249
224.10	28216	233.10	242	243.10	1488	253.00	435
225.10	7191	234.00	748	244.10	22989	255.10	112904
226.10	834	235.00	891	245.10	2828	256.10	16335

DFTPPZ.M Tue May 27 09:59:10 2014 RTE

227.05	10881	236.00	503	246.05	4362	257.05	1121
228.00	1608	237.05	897	247.05	963	258.00	6236
229.05	2490	238.05	108	247.40	26	259.00	1122
229.80	31	239.00	421	248.05	161	260.00	152
230.00	180	239.70	20	249.05	794	260.30	17
231.05	929	240.10	331	250.05	199	260.90	149
231.90	25	241.10	603	251.05	191	261.20	36

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
262.10	50	273.10	3493	283.10	378	294.00	210
263.10	71	274.10	9288	284.10	274	294.20	101
263.90	90	275.10	50106	285.05	858	295.00	306
265.05	2742	276.10	6788	286.10	127	296.00	14464
265.90	450	277.00	4548	287.00	37	297.00	2021
266.95	75	278.00	744	288.00	63	298.05	140
267.95	290	279.10	176	289.05	162	299.20	26
269.00	46	280.10	16	290.10	186	301.05	149
269.95	84	281.05	94	290.95	120	302.05	354
271.00	252	281.90	95	291.95	224	303.05	1801
272.00	300	282.10	35	293.05	964	304.00	432

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
305.00	31	316.05	943	328.00	463	339.00	73
306.90	21	317.05	210	329.00	86	339.90	47
308.00	212	319.80	55	329.20	18	341.10	782
309.10	186	320.10	31	329.90	22	342.15	224
309.30	18	321.10	631	330.60	23	343.10	46
310.05	228	322.05	278	332.05	293	346.00	1132
310.80	23	323.10	4963	333.05	435	347.10	223
311.10	33	324.05	1011	334.10	3122	347.70	26
313.00	127	325.05	121	335.10	894	350.00	17
314.10	701	326.00	68	335.95	122	350.70	18
315.05	1601	327.00	927	338.20	18	351.05	75

Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.10	1595	363.00	23	376.90	22	395.05	68
353.05	1157	363.95	50	377.30	23	401.05	231
354.10	1612	365.00	7230	383.00	831	402.00	1362
355.10	348	365.95	1031	384.00	213	403.00	1562
356.00	21	367.05	65	385.10	56	404.05	601
357.70	21	368.70	16	385.80	22	405.20	95
358.00	44	370.05	128	388.70	25	410.00	27
358.90	200	371.00	409	390.05	318	411.10	18
360.10	22	372.05	3002	391.00	244	414.95	58
361.20	29	373.05	663	391.90	41	415.20	33
362.00	20	374.10	141	392.10	132	418.90	16

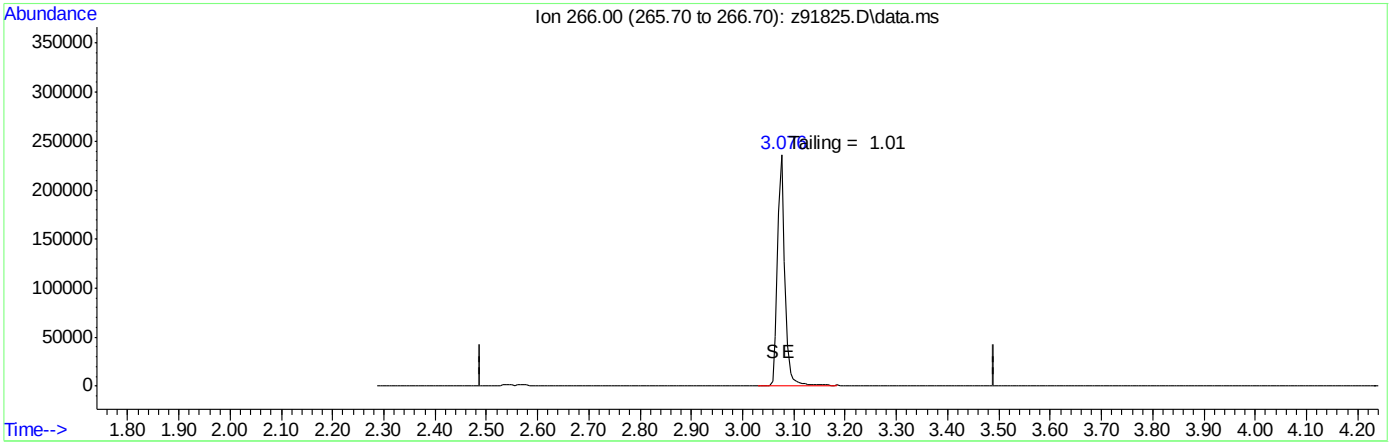
Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

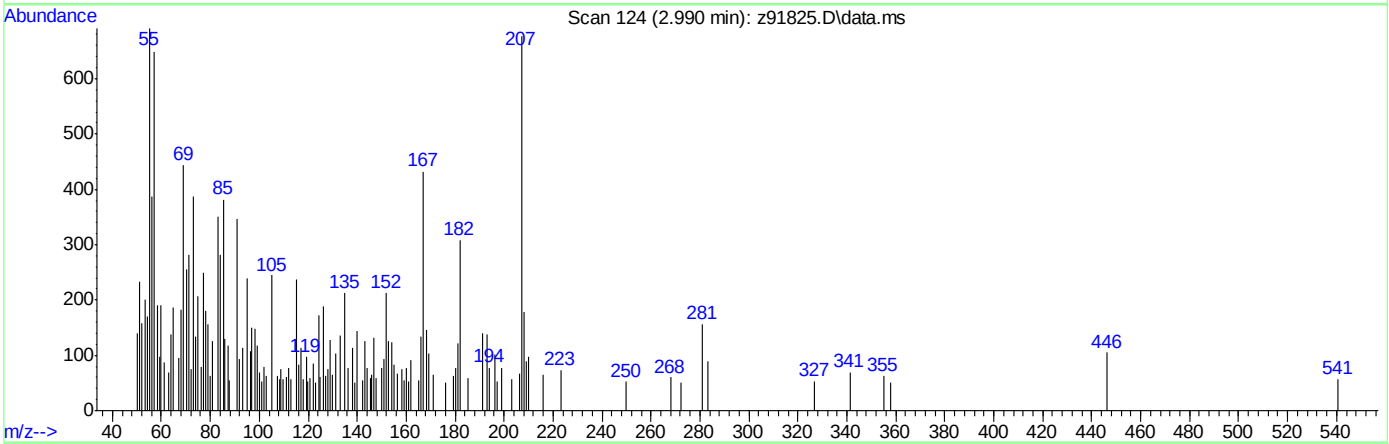
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.90	23	433.40	21	439.80	46		
420.10	27	433.60	22	440.00	75		
421.00	1445	434.90	22	441.05	26182		
422.05	1357	435.45	49	442.10	183933		
423.05	10226	435.90	70	443.10	34432		
424.00	2224	436.30	39	444.00	2922		
425.10	177	436.80	34	444.95	232		
426.00	26	437.40	32	490.30	18		
426.90	19	438.35	46				
430.10	24	439.00	30				
431.00	17	439.30	51				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

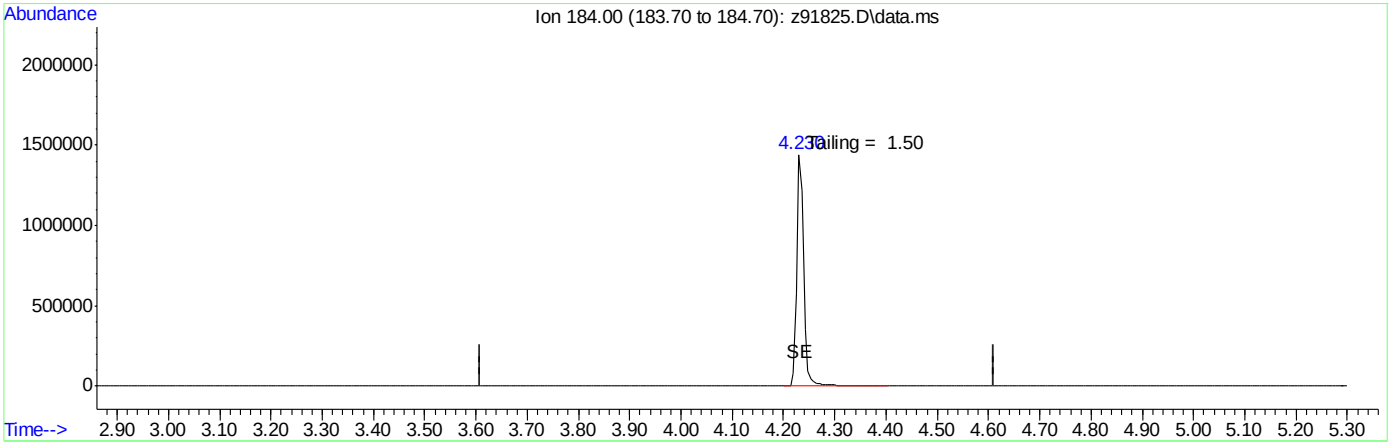
response 0

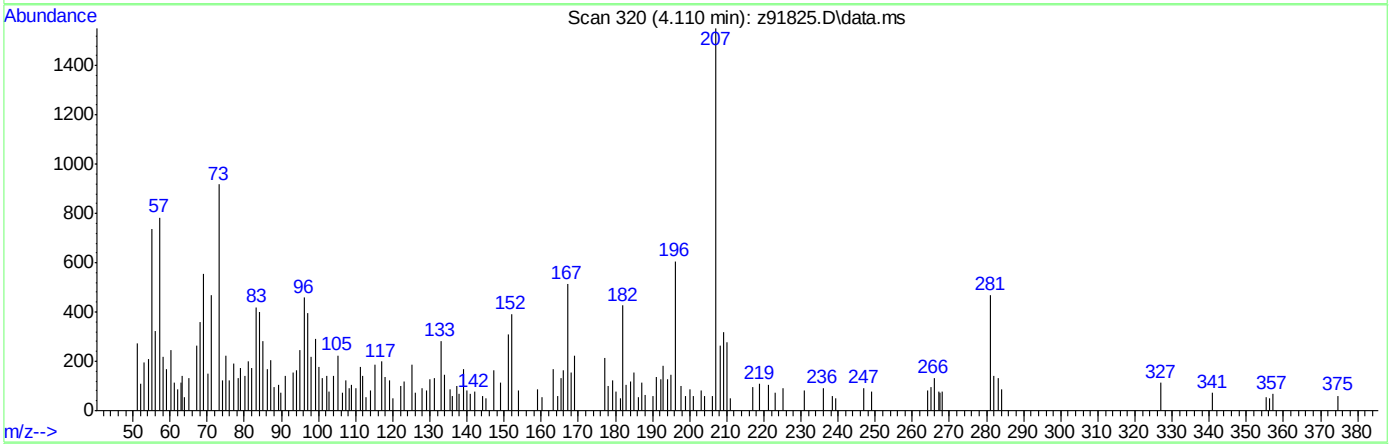
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

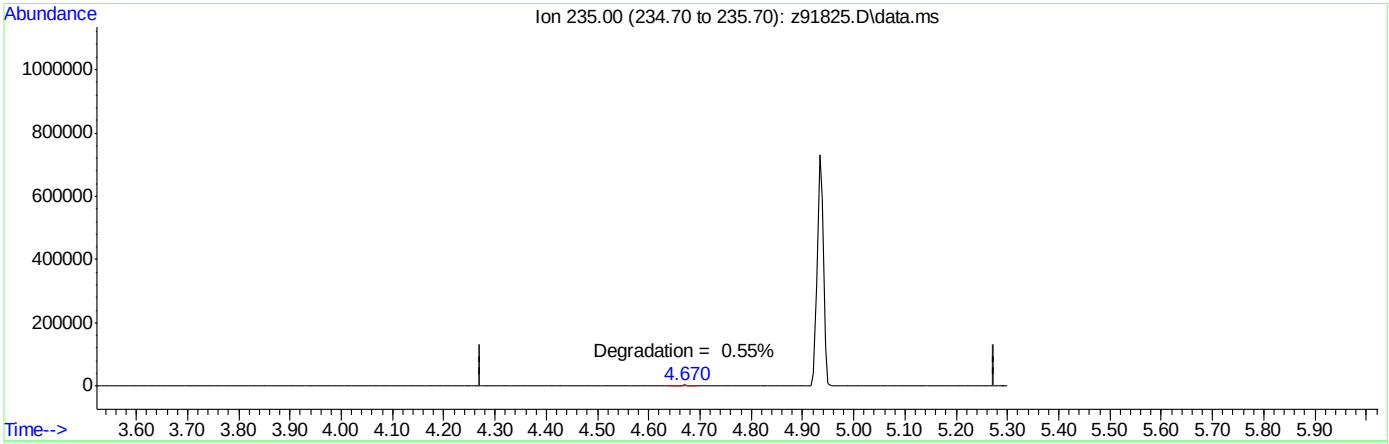
response 0

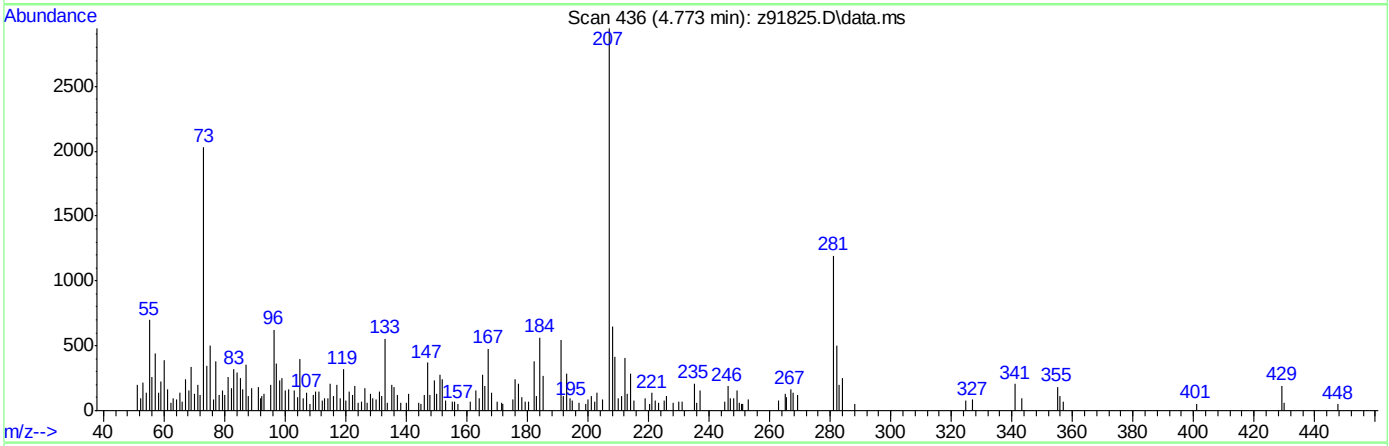
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91825.D
Acq On : 24 May 2014 10:37 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4569
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 09:42:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91825.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

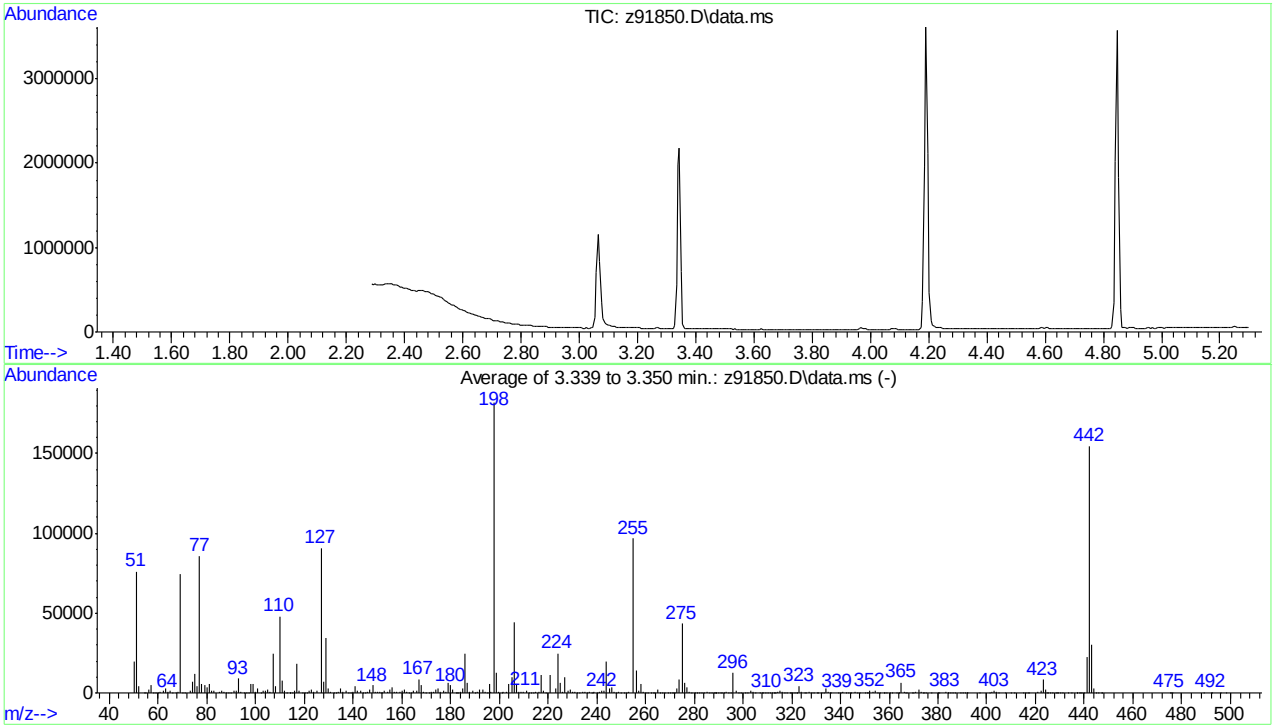
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 185, 186, 187; Background Corrected with Scan 180

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.7	75914	PASS
68	69	0.00	2	0.6	409	PASS
69	198	0.00	100	40.8	74198	PASS
70	69	0.00	2	0.5	370	PASS
127	198	40	60	49.9	90865	PASS
197	198	0.00	1	0.3	582	PASS
198	198	100	100	100.0	181938	PASS
199	198	5	9	6.8	12334	PASS
275	198	10	30	23.9	43512	PASS
365	198	1	100	3.5	6452	PASS
441	443	0.01	100	74.3	22306	PASS
442	198	40	100	85.0	154616	PASS
443	442	17	23	19.4	30040	PASS

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	19569	62.10	1195	74.10	7119	86.05	1642
51.10	75914	63.05	2767	75.10	11827	87.10	743
52.10	3916	64.10	498	76.15	3959	88.00	255
54.30	59	65.10	1569	77.05	85688	89.10	153
55.10	214	66.05	168	78.10	5685	90.00	26
56.10	1922	67.10	32	79.10	5271	91.10	1254
57.10	5040	68.10	409	80.10	3747	92.00	1203
58.15	256	69.10	74198	81.10	5312	93.05	8818
59.05	30	70.10	370	82.10	1363	94.10	528
60.10	101	71.10	174	83.05	1359	95.15	257
61.00	997	73.10	1133	85.10	949	96.10	155

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	278	108.10	3919	119.10	274	131.00	501
98.10	5868	110.05	48050	120.00	300	132.00	270
99.10	5630	111.05	7566	121.00	136	133.05	229
100.05	462	112.10	1092	122.10	1706	134.00	865
101.10	3050	113.05	284	123.05	2405	135.05	2720
102.05	118	114.10	88	124.00	1026	136.05	893
103.05	1216	114.40	23	125.05	1174	137.05	1716
104.00	1608	115.00	124	127.05	90865	138.00	373
105.10	1857	116.10	1223	128.10	6946	139.05	138
106.10	613	117.10	18051	129.05	34157	140.05	528
107.10	24436	118.05	1477	130.05	3023	141.00	3992

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.00	1545	151.95	307	163.00	265	174.10	1940
143.05	1107	153.05	1235	164.00	177	175.10	3148
144.00	320	154.05	911	165.00	1460	176.05	854
145.05	203	155.10	2284	166.10	1475	177.00	1594
146.00	627	156.10	3374	167.05	8440	178.05	594
147.05	2399	157.05	684	168.05	4680	178.95	6059
148.05	4767	157.95	830	169.05	950	180.10	4755
149.05	1079	159.10	581	170.00	345	181.10	1999
150.10	384	160.05	1344	171.05	337	182.05	301
151.05	409	161.00	1919	172.05	795	182.80	31
151.30	233	162.05	633	173.10	938	183.05	192

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.00	627	195.05	341	206.05	44306	217.00	11057
185.10	3034	196.10	5816	207.10	5530	218.05	1435
186.10	24345	196.70	582	208.00	983	219.10	101
187.10	6676	198.00	181938	209.10	494	221.05	11116
188.00	672	199.00	12334	210.05	485	223.10	2542
189.00	1366	199.95	902	211.10	1576	224.10	24669
190.05	199	201.30	163	212.05	337	225.10	6570
191.05	747	201.55	964	213.05	96	226.05	645
192.00	2032	203.00	959	214.15	71	227.05	10073
193.10	2077	204.05	5982	215.00	395	228.05	1332
194.05	388	205.05	10163	216.10	833	229.05	2054

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
230.00	438	240.00	344	251.10	199	263.15	125
231.15	836	241.05	560	252.00	221	263.85	183
232.05	332	242.10	1297	253.00	496	264.95	2229
233.05	186	243.10	1296	255.10	96592	265.95	344

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234.05	661	244.10	20024	256.10	14389	267.05	17
235.05	818	245.10	2789	257.00	1185	267.90	223
236.05	374	246.00	3674	258.05	5570	269.05	3
237.10	901	247.00	782	259.00	1054	269.90	161
237.95	58	248.05	175	260.10	248	271.05	294
238.20	17	248.95	727	261.00	234	271.50	20
239.05	400	250.00	130	262.20	54	272.10	205

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.00	3183	284.05	319	292.00	162	303.95	461
274.00	8337	285.10	770	293.00	1002	305.10	78
275.10	43512	286.05	171	294.00	300	307.00	19
276.10	6022	287.05	11	295.10	165	307.90	68
277.00	3704	287.90	28	296.05	12455	308.10	81
278.00	620	288.70	20	297.05	1748	309.00	97
279.00	152	289.00	59	298.15	102	310.05	242
280.00	26	289.15	84	299.15	69	311.00	55
281.05	70	290.00	132	301.05	157	311.95	76
281.90	89	290.80	22	302.00	299	312.90	33
283.10	310	291.05	83	303.10	1667	313.00	38

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.15	89	322.20	114	332.95	330	344.20	17
314.05	739	323.10	4376	334.05	2883	346.05	895
315.00	1439	324.05	833	335.05	714	347.00	86
316.05	1002	325.10	21	335.80	43	348.00	19
317.00	144	325.90	40	336.05	77	350.00	40
318.00	18	327.00	963	339.00	116	350.95	83
319.10	23	328.00	329	340.05	65	351.20	47
319.70	19	328.90	66	341.05	541	352.05	1328
320.20	19	330.15	56	342.10	103	353.10	990
320.95	367	331.00	22	343.15	121	354.05	1391
322.00	92	332.05	356	343.95	46	355.05	284

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
356.05	37	366.75	54	379.90	20	391.80	45
357.70	23	367.10	25	380.30	24	392.05	151
358.10	32	369.20	25	383.00	717	397.00	27
359.05	147	370.10	169	383.95	134	400.95	186
360.00	32	371.00	439	384.20	58	402.05	922
361.00	26	372.00	2361	385.15	88	403.05	1293
362.80	23	373.10	579	386.00	22	404.00	609
363.70	43	373.90	26	386.80	24	405.00	60
364.00	74	374.15	44	389.10	19	407.70	18
365.00	6452	374.85	50	389.95	303	409.90	57
366.00	953	377.15	59	391.10	250	411.20	20

Average of 3.339 to 3.350 min.: z91850.D\data.ms
DFTPP
Modified:subtracted

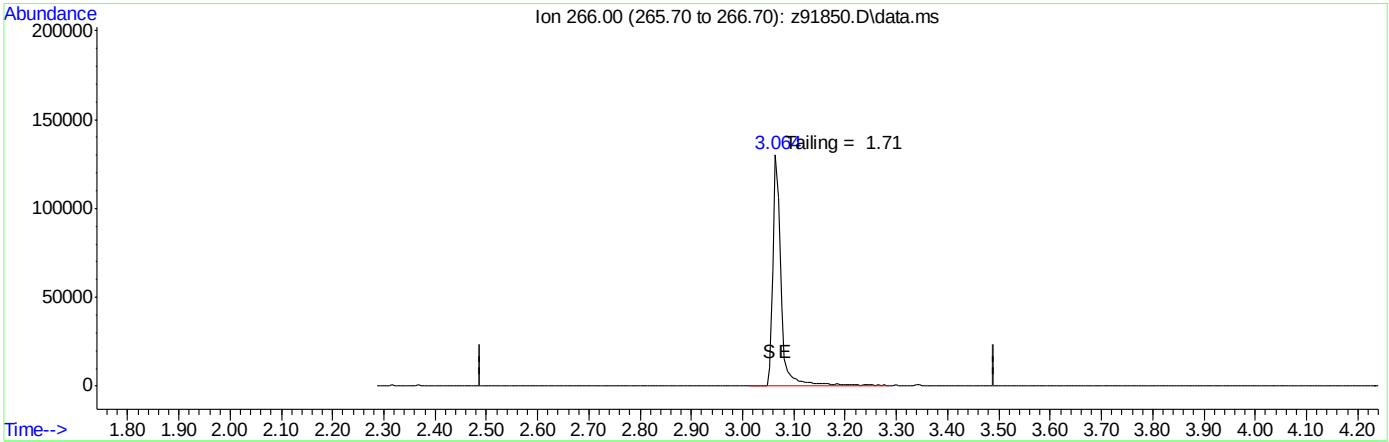
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
414.95	73	426.90	22	438.50	31	475.10	26
415.90	34	428.20	21	438.95	95	475.80	17
416.85	65	428.90	56	439.55	56	476.10	19
417.10	18	429.25	110	441.05	22306	489.10	20
421.00	1039	430.10	32	442.10	154616	492.00	18
422.10	1324	431.00	62	443.05	30040	492.20	41
423.05	8426	433.30	28	444.00	2921	495.80	25
424.10	1856	434.90	43	445.05	218	498.00	16
424.80	63	436.80	24	445.90	18		
425.00	122	437.20	25	447.10	27		
425.90	25	438.00	18	447.30	23		

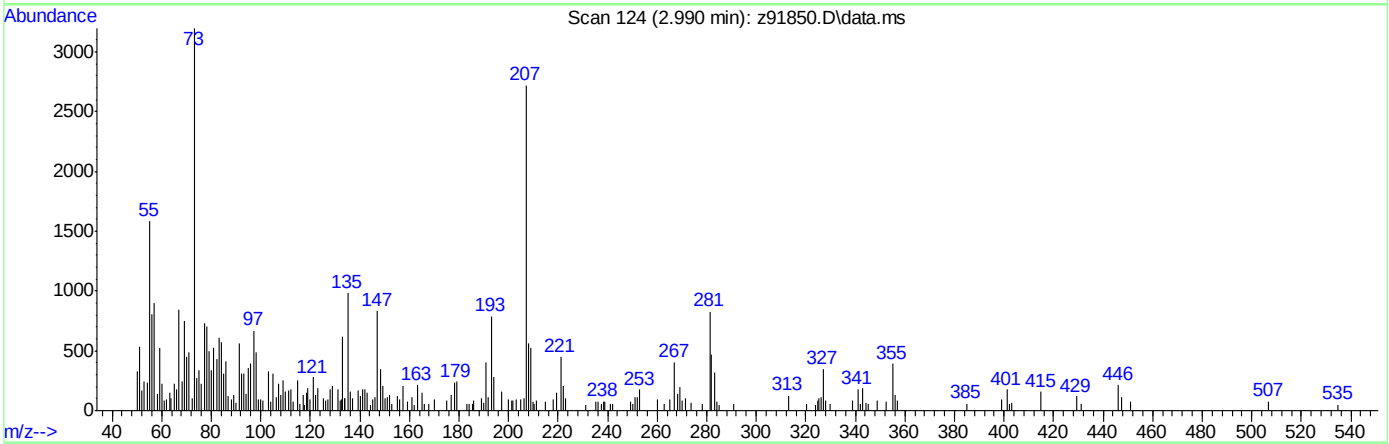
DFTPPZ.M Wed May 28 12:59:49 2014 RTE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

response 0

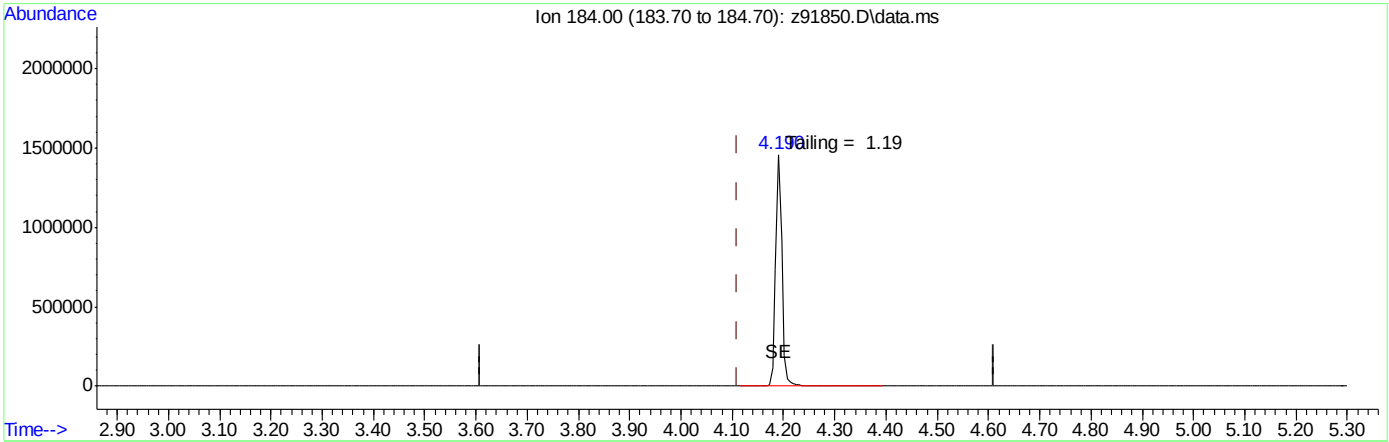
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

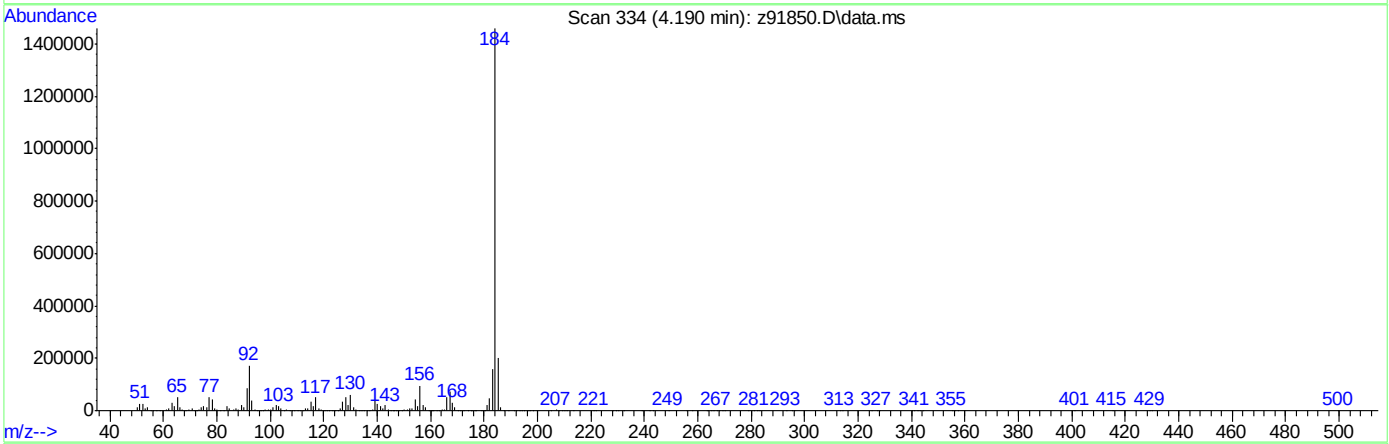
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(2) Benzidine

4.193min (+0.083) 199.44

response 12115007

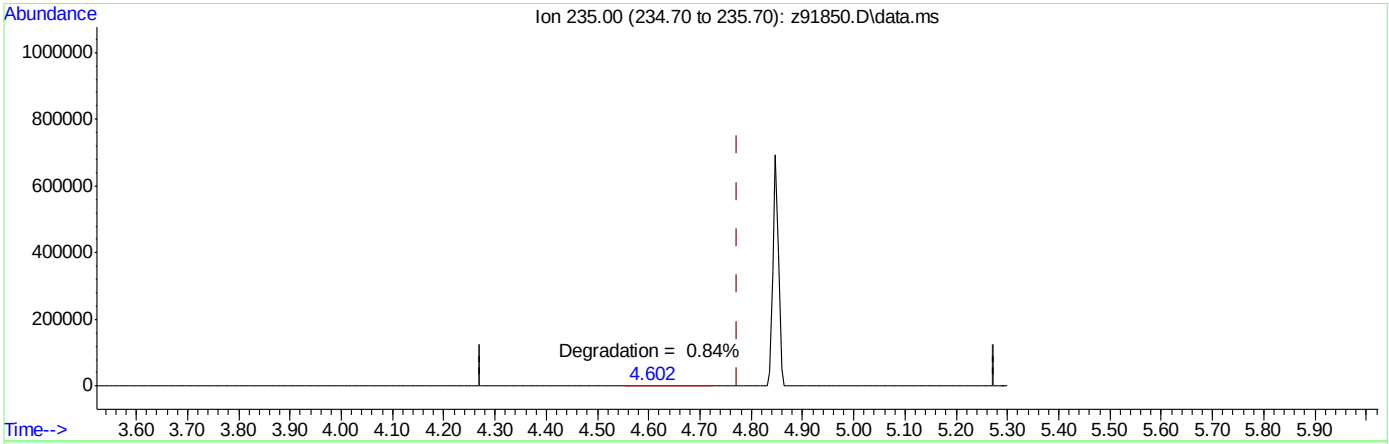
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

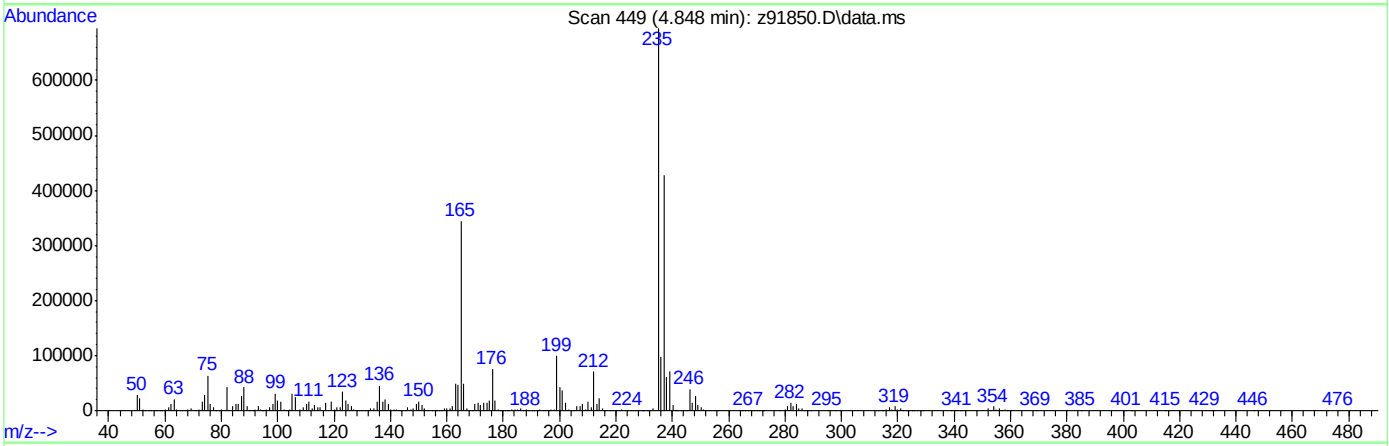
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(3) PP-DDT

4.850min (+0.077) 209.43

response 5234957

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

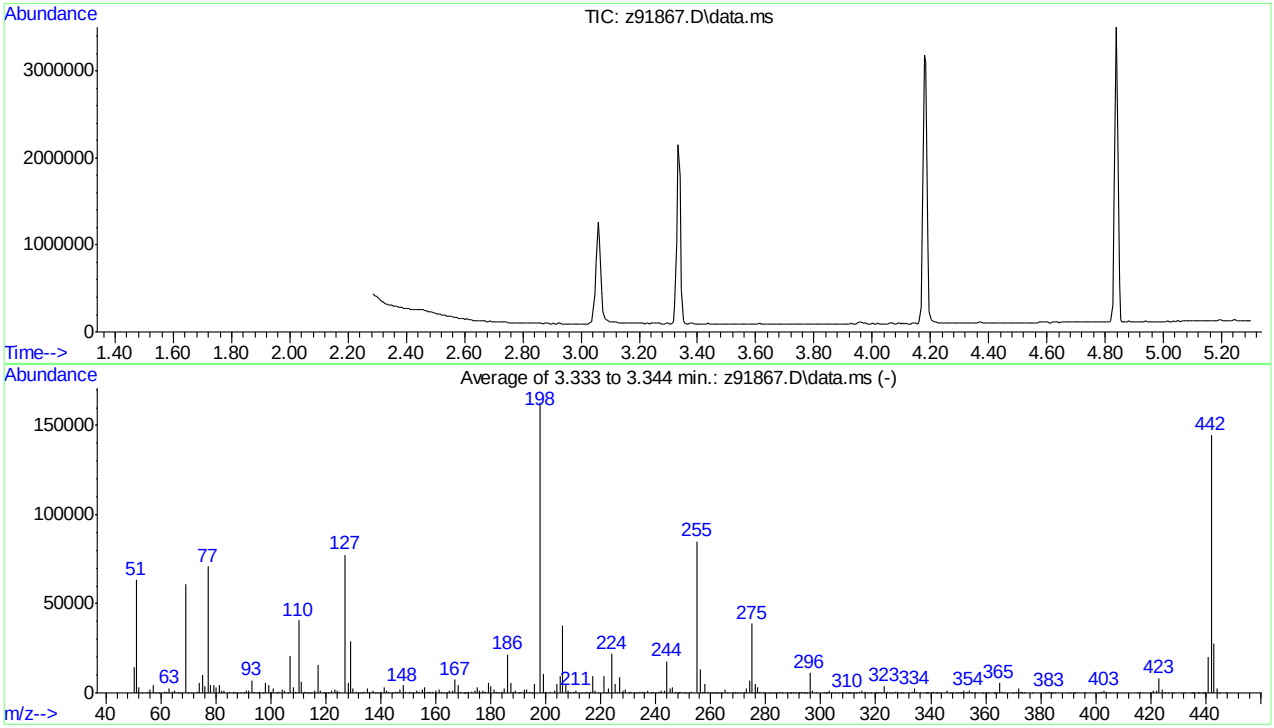
9.5.14.3 9
ACCUTEST LABORATORIES JB67744

DFTPP

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 184, 185, 186; Background Corrected with Scan 178

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.8	63223	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.5	61130	PASS
70	69	0.00	2	0.4	234	PASS
127	198	40	60	47.6	77488	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	162856	PASS
199	198	5	9	6.6	10703	PASS
275	198	10	30	23.9	38849	PASS
365	198	1	100	3.4	5511	PASS
441	443	0.01	100	72.2	19870	PASS
442	198	40	100	88.9	144794	PASS
443	442	17	23	19.0	27528	PASS

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	14287	63.10	2530	76.15	3484	88.00	331
51.10	63223	64.15	348	77.10	70894	89.00	21
52.10	3046	65.10	1126	78.10	4605	90.20	61
53.05	230	66.05	40	79.10	4226	91.10	1021
55.10	475	67.15	56	80.05	3044	92.05	1066
56.10	2050	69.10	61130	81.10	4539	93.05	7146
57.10	4390	70.05	234	82.10	1004	94.10	582
58.05	275	71.20	287	83.05	1263	95.05	130
59.10	19	73.10	776	85.10	689	96.10	412
61.10	522	74.10	5853	86.00	101	97.10	269
62.10	906	75.05	9946	87.00	624	98.10	5685

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.05	4510	110.10	40639	121.00	178	133.00	48
100.05	388	111.00	6121	122.05	1278	134.00	716
101.05	2786	112.10	889	123.10	2177	135.05	2335
102.10	201	113.05	152	124.05	1000	136.05	888
103.05	842	114.05	143	125.10	857	137.10	1274
104.05	1693	114.90	85	127.10	77488	138.05	283
105.10	1586	116.00	1168	128.05	5813	138.90	54
106.05	207	117.05	15576	129.05	29169	140.00	445
107.10	20927	118.00	1182	129.95	2273	141.05	3425
108.10	3102	119.00	166	131.00	549	142.05	1218
109.05	517	120.05	323	132.05	201	143.05	847

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.05	324	155.05	2028	166.05	1180	176.05	1133
145.10	339	156.10	2893	167.10	7469	177.10	1370
146.05	752	157.10	713	168.10	4375	178.00	456
147.05	1761	158.00	820	169.00	656	179.00	5551
148.00	4320	158.95	561	170.10	331	180.10	3825
149.05	693	160.00	1214	170.50	38	181.10	1851
150.00	248	161.00	1812	171.05	168	182.00	344
151.05	492	162.05	601	172.00	589	182.90	220
151.85	304	163.00	125	173.05	888	184.00	469
153.05	1259	164.10	277	174.10	1380	185.05	2561
154.05	877	165.00	1160	175.10	3077	186.10	21585

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
187.10	5883	199.00	10703	211.05	1510	224.10	21859
188.05	634	199.95	785	213.10	139	225.10	5253
189.10	1306	201.50	862	214.10	74	226.10	837
190.05	239	203.00	1055	215.00	410	227.00	8682
191.10	612	204.05	4983	216.10	871	228.00	1369
192.00	1642	205.05	9255	217.00	9179	229.05	1723
193.00	1919	206.10	38020	218.05	1492	229.95	121
194.10	347	207.10	4395	219.00	137	231.10	757
195.05	185	208.05	1056	221.10	9152	232.05	191
196.05	5041	209.00	465	222.00	93	233.05	209
198.00	162856	210.10	358	222.95	2431	234.00	661

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.05	673	246.00	3271	257.00	939	267.85	106
236.00	439	247.05	704	258.00	5044	268.70	31
237.05	972	248.00	137	259.00	775	269.70	25
238.10	87	248.30	16	260.10	151	271.00	187

DFTPPZ.M Wed May 28 13:02:00 2014 RTE

239.05	359	249.05	642	261.00	216	272.00	172
240.00	258	250.00	137	262.00	28	273.10	2673
241.00	434	250.95	221	262.30	25	274.00	7126
242.05	1204	252.05	220	263.05	77	275.10	38849
243.10	1172	253.05	446	263.90	116	276.10	5114
244.10	17625	255.10	85146	265.00	1910	277.00	3216
245.10	2307	256.10	12927	265.90	140	278.00	586

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
279.05	160	290.00	103	301.00	171	311.00	66
280.00	19	291.05	113	302.00	231	312.10	36
281.05	186	292.00	105	302.20	19	313.00	138
282.00	230	292.20	85	303.10	1216	314.10	611
283.00	245	293.05	799	304.00	331	315.05	1257
284.05	290	293.80	30	305.10	27	316.10	812
285.10	707	294.10	176	306.20	17	317.15	97
286.05	185	295.00	296	308.05	146	318.10	23
287.80	17	296.00	11303	309.05	129	319.90	39
288.85	108	297.05	1450	309.95	159	320.10	29
289.10	49	298.05	106	310.50	23	321.05	355

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
322.00	234	334.10	2483	346.00	974	355.90	24
323.10	3983	335.05	539	347.05	185	359.10	163
324.10	732	336.10	107	348.10	16	360.00	18
325.05	61	338.20	18	349.30	17	361.20	40
326.00	128	338.40	17	349.90	37	363.00	21
327.00	788	339.05	130	350.80	29	363.60	20
328.05	410	340.00	48	351.15	63	364.10	51
329.00	46	341.05	417	352.00	1282	365.00	5511
329.95	43	342.00	79	353.05	813	366.00	761
332.10	331	342.30	23	354.05	1522	366.90	79
333.10	396	343.10	34	355.00	136	369.90	142

Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
371.00	461	390.00	319	408.05	56	431.10	23
372.10	2341	390.95	275	415.10	18	432.30	25
373.00	440	391.95	117	416.20	25	434.60	20
373.20	116	392.20	28	420.10	20	435.20	22
374.05	60	396.10	21	421.00	1266	435.50	38
377.00	78	400.90	166	422.05	1155	435.70	34
381.70	17	401.90	328	423.05	8329	437.10	18
383.05	657	402.10	633	424.05	1798	437.80	22
384.00	169	403.05	1293	424.95	183	438.70	31
384.20	30	403.95	418	426.05	38	439.10	31
384.90	64	405.10	37	428.20	41	439.70	72

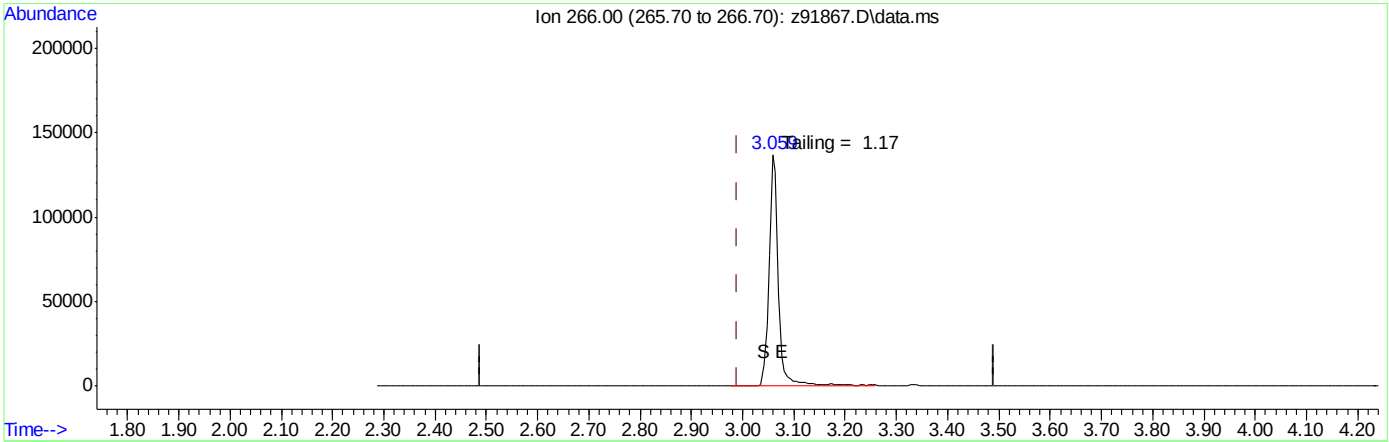
Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

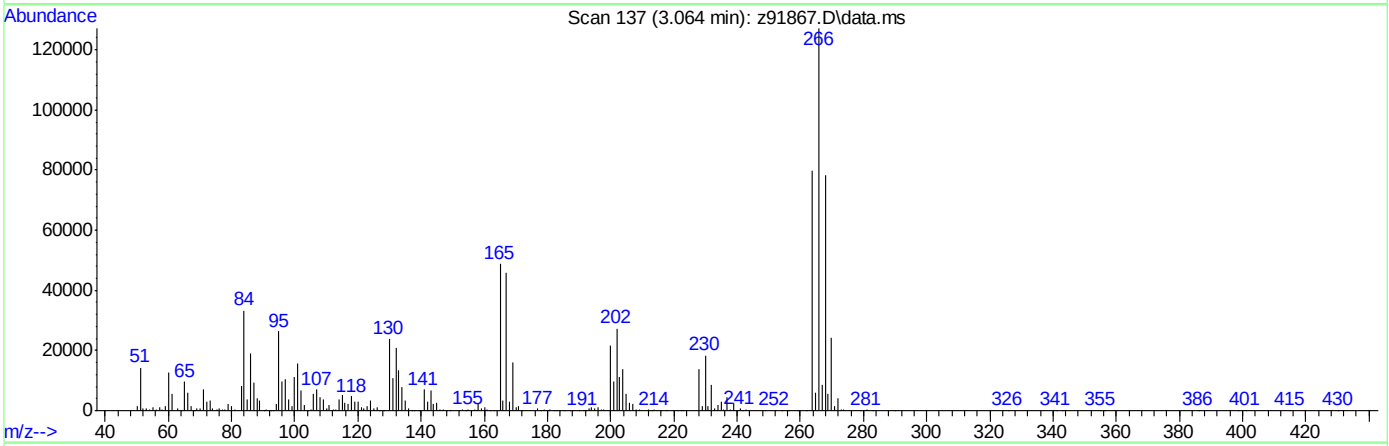
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	19870						
442.05	144794						
443.05	27528						
444.05	2356						
444.95	151						
447.30	20						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(1) Pentachlorophenol

3.063min (+0.073) 193.98

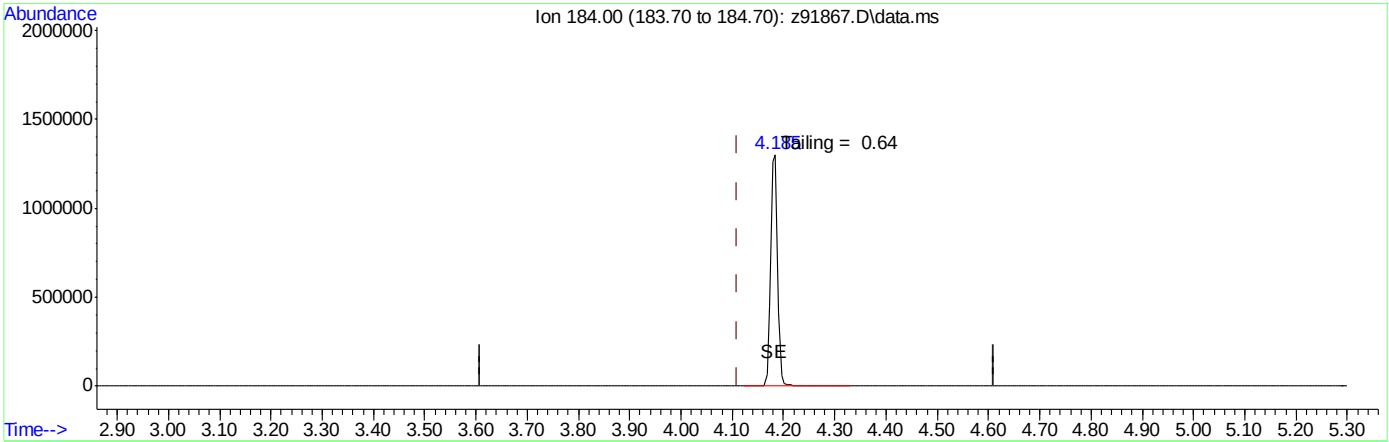
response 1682200

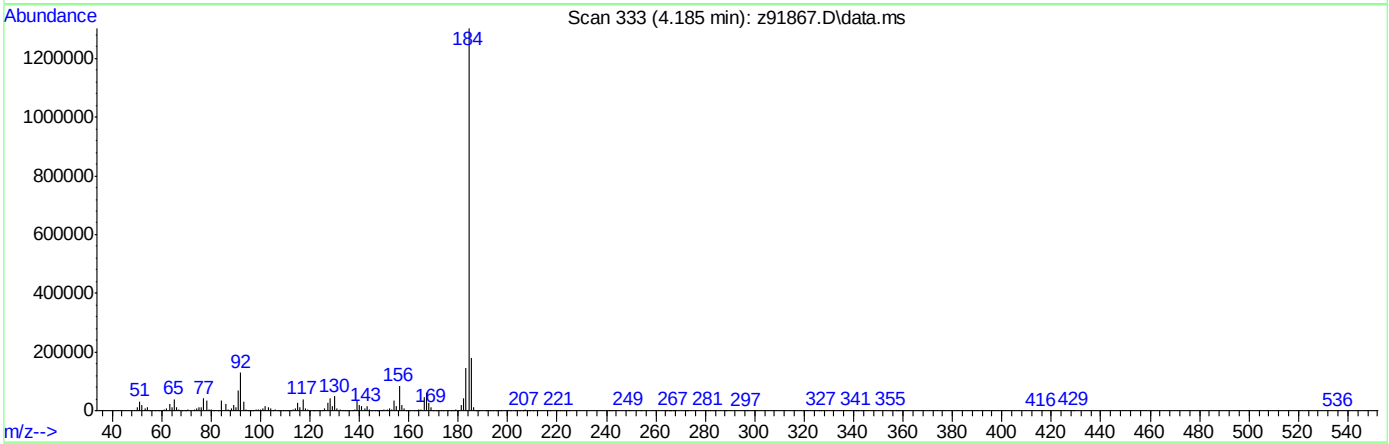
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(2) Benzidine

4.184min (+0.074) 202.61

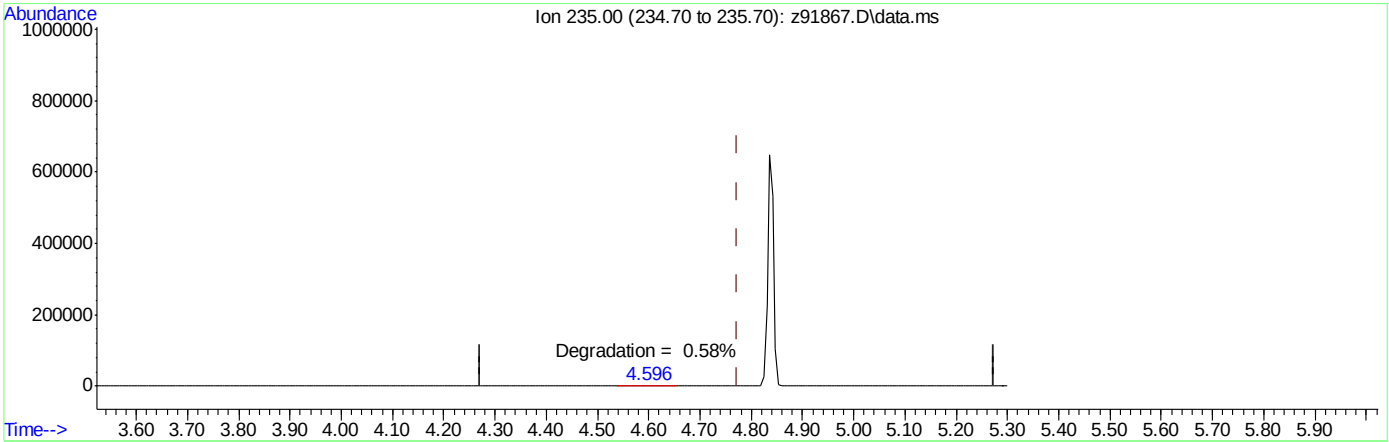
response 12307358

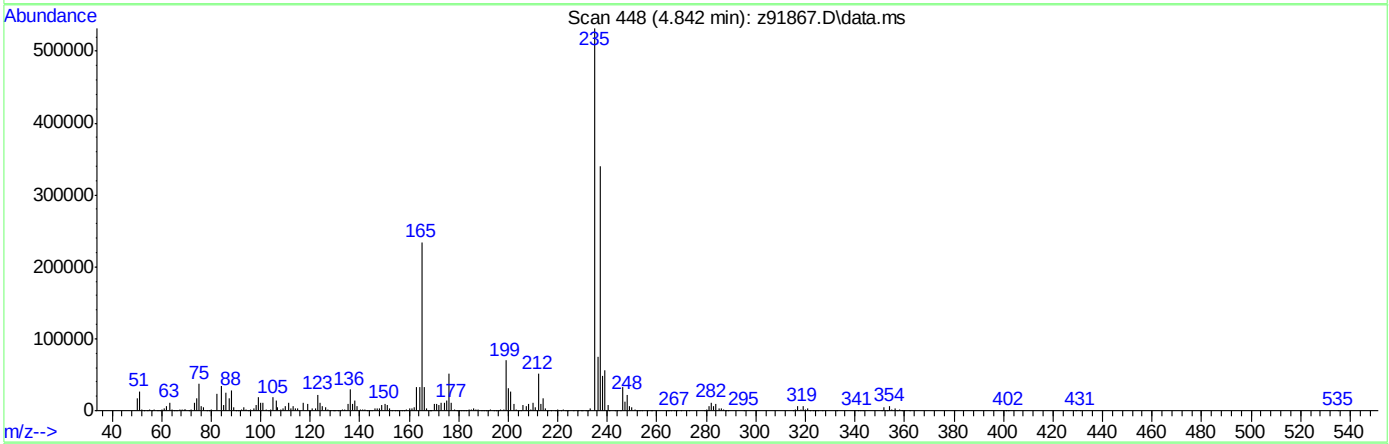
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(3) PP-DDT

4.840min (+0.067) 212.20

response 5304059

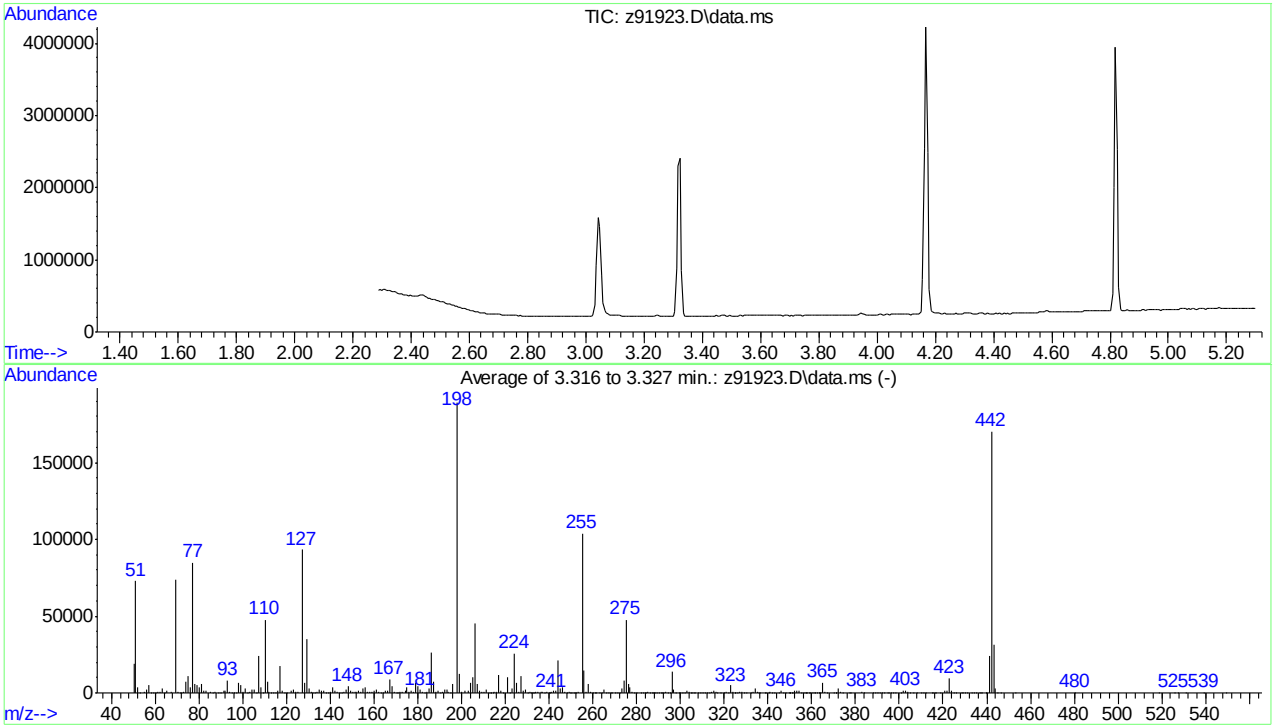
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91923.D
Acq On : 28 May 2014 9:41 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4575
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Title : column rtx-5msi 30mx0.25mmx0.25um
Last Update : Sun Feb 23 14:24:12 2014



AutoFind: Scans 181, 182, 183; Background Corrected with Scan 176

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.4	72674	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.0	73714	PASS
70	69	0.00	2	0.8	558	PASS
127	198	40	60	49.4	93444	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	189112	PASS
199	198	5	9	6.8	12785	PASS
275	198	10	30	25.1	47473	PASS
365	198	1	100	3.6	6739	PASS
441	443	0.01	100	75.6	23858	PASS
442	198	40	100	90.0	170205	PASS
443	442	17	23	18.5	31562	PASS

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	18820	62.10	1060	75.10	11250	87.05	676
51.10	72674	63.10	2936	76.10	3776	89.00	207
52.10	3920	64.10	321	77.10	85068	90.05	108
53.10	84	65.10	1441	78.10	6076	91.10	1414
55.10	564	67.10	413	79.10	5129	92.10	1543
56.10	2097	69.10	73714	80.10	3717	93.10	8367
57.10	4995	70.10	558	81.10	5572	94.10	749
58.10	301	71.10	132	82.10	1323	95.10	99
59.10	112	72.00	205	83.10	1172	96.10	284
60.10	82	73.10	875	85.10	868	97.10	136
61.05	984	74.10	7213	86.00	197	98.10	6287

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.10	5276	110.10	47681	122.00	1600	134.00	1083
100.05	529	111.10	7013	123.05	2232	135.05	2505
101.10	3229	112.05	689	124.00	991	136.05	1156
102.10	176	113.05	278	125.10	969	137.05	1685
103.05	985	114.10	183	127.10	93444	138.05	375
104.05	1995	115.05	72	128.05	6478	139.05	126
105.10	1853	116.10	1227	129.05	35399	140.05	413
106.10	300	117.05	17732	130.05	2849	141.00	4034
107.10	24392	118.05	1259	131.05	565	142.05	1569
108.10	3585	119.05	112	132.05	328	143.05	967
109.10	330	120.05	287	133.05	213	144.05	311

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
145.05	212	156.05	3623	167.10	8997	178.05	422
146.05	774	157.10	807	168.10	4127	179.00	6281
147.05	1905	158.10	667	169.05	639	180.10	4468
148.05	4625	159.05	771	170.15	363	181.05	2036
149.05	1136	160.05	1274	171.00	290	182.05	446
150.05	398	161.05	1879	172.00	955	183.00	226
151.10	570	162.05	538	173.05	1038	184.05	622
152.00	636	163.00	137	174.10	1661	185.10	3298
153.05	1311	164.00	155	175.10	3402	186.10	26016
154.00	924	165.05	1639	176.10	994	187.05	7295
155.10	2807	166.05	1429	177.00	1669	188.05	775

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
189.10	1509	201.45	1181	213.05	104	224.10	25634
190.15	263	203.00	1298	213.30	35	225.10	6446
191.05	780	204.10	6233	214.10	36	226.05	721
192.10	2105	205.10	10604	215.00	516	226.95	10894
193.10	2454	206.10	45441	216.05	1003	228.00	1746
194.00	425	207.10	5656	217.00	11389	229.00	2169
194.95	305	208.00	1547	218.05	1619	230.05	361
196.10	5699	209.10	480	219.05	210	231.10	952
198.00	189112	210.15	696	221.05	10608	231.95	138
198.95	12785	211.05	1879	222.05	250	232.20	66
200.00	924	212.00	160	223.05	2840	233.00	117

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
233.20	102	243.00	1413	252.40	31	263.90	181
234.00	582	244.10	20967	253.10	502	265.00	2071
235.00	686	245.10	2870	255.05	103865	266.00	315
236.10	553	246.10	3749	256.05	14979	266.95	61

DFTPPZ.M Thu May 29 09:33:04 2014 RTE

237.05	904	247.00	883	257.05	1110	267.95	60
238.10	97	248.05	221	258.05	5891	268.60	17
239.10	447	249.00	579	259.00	1051	269.95	236
239.95	324	249.90	79	260.05	307	271.00	234
240.20	19	250.10	171	261.00	128	272.05	235
241.05	610	251.00	209	261.20	37	273.00	3224
242.05	1318	251.95	179	263.05	99	274.10	8422

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.10	47473	286.05	99	294.00	206	305.00	33
276.05	6181	287.05	75	295.00	291	305.20	31
277.05	3882	287.80	24	296.05	13819	305.90	25
278.00	651	288.00	22	297.00	2043	306.40	20
279.10	157	288.25	77	298.05	154	308.00	223
280.00	52	289.05	260	299.20	30	309.00	155
282.05	44	290.05	180	299.90	17	310.10	262
283.10	363	291.00	92	301.05	229	311.00	56
284.00	180	291.50	27	302.05	245	312.05	15
284.20	60	292.10	227	303.10	1817	312.95	185
285.00	788	293.05	868	304.05	477	314.05	860

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
315.00	1582	326.10	147	338.90	32	349.90	54
316.10	816	326.95	853	339.05	81	350.20	27
316.95	124	328.05	436	340.10	75	350.90	106
318.25	39	329.05	142	341.10	583	351.15	86
319.90	45	330.10	41	342.10	261	352.05	1482
321.00	482	332.10	369	342.90	46	353.05	1134
322.05	221	333.05	489	345.10	55	354.10	1675
323.10	4850	334.10	2960	346.00	1292	355.05	229
324.10	923	335.00	749	347.00	157	356.10	27
325.00	38	335.90	64	348.10	36	357.00	27
325.15	101	336.15	80	349.50	22	357.30	27

Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
357.90	26	366.00	1058	384.10	194	398.10	19
358.80	21	366.90	125	388.00	25	401.00	206
359.15	110	370.05	208	389.00	19	402.00	1168
360.10	51	371.00	149	390.05	258	403.00	1517
361.10	46	371.20	256	391.05	256	404.05	657
361.60	22	372.10	2638	392.10	180	404.70	34
362.30	35	373.10	628	393.10	48	406.30	23
363.20	17	374.15	79	394.70	16	407.90	17
363.40	22	377.10	102	395.20	24	410.10	22
364.00	34	377.80	17	396.00	23	411.20	30
365.00	6739	383.05	760	397.10	24	412.20	17

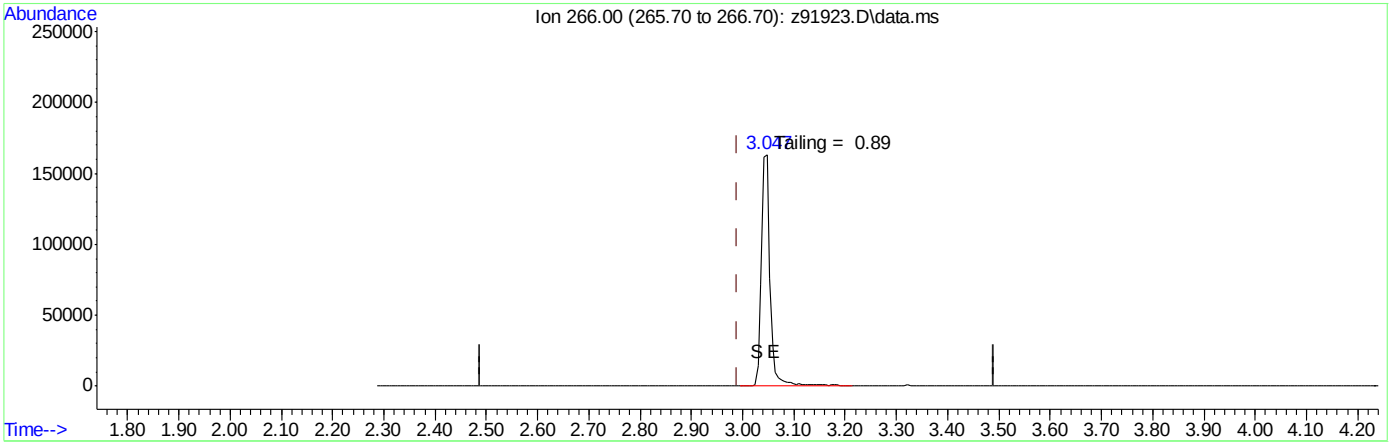
Average of 3.316 to 3.327 min.: z91923.D\data.ms
DFTPP
Modified:subtracted

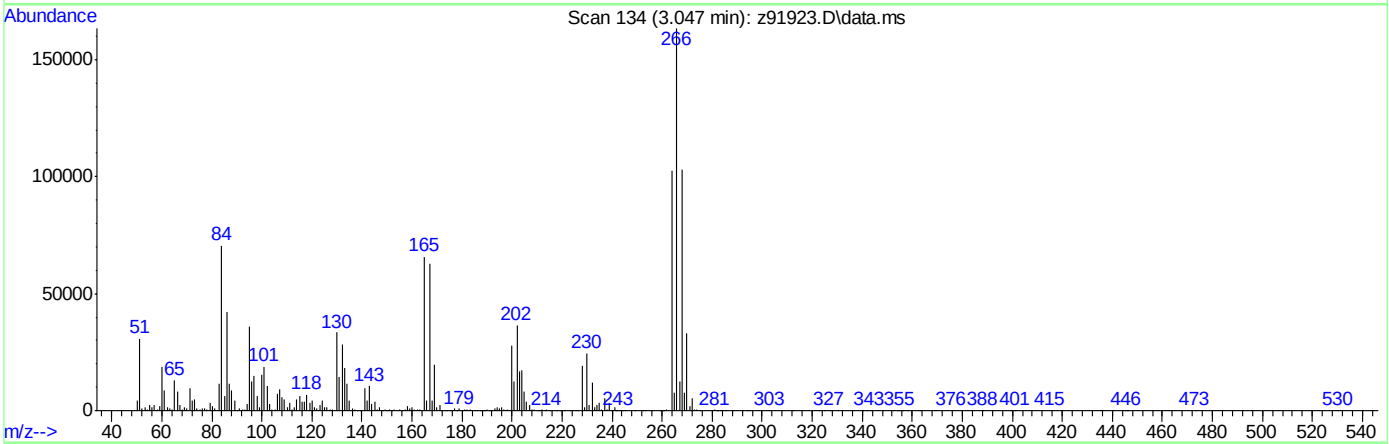
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
415.10	28	428.50	20	439.90	39	527.40	21
415.30	40	428.80	23	441.10	23858	530.80	18
416.00	19	430.00	22	442.05	170205	539.20	17
416.90	18	431.20	19	443.10	31562	549.20	17
418.90	25	433.05	40	444.05	3085		
421.00	1367	434.30	22	445.05	153		
422.05	1324	435.00	30	446.15	87		
423.05	9794	436.90	19	453.00	19		
424.05	1831	437.30	29	480.40	23		
425.00	233	437.90	19	518.50	21		
425.90	27	439.60	32	525.60	29		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91923.D
Acq On : 28 May 2014 9:41 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4575
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:32:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91923.D\data.ms

(1) Pentachlorophenol

3.047min (+0.057) 214.69

response 1861772

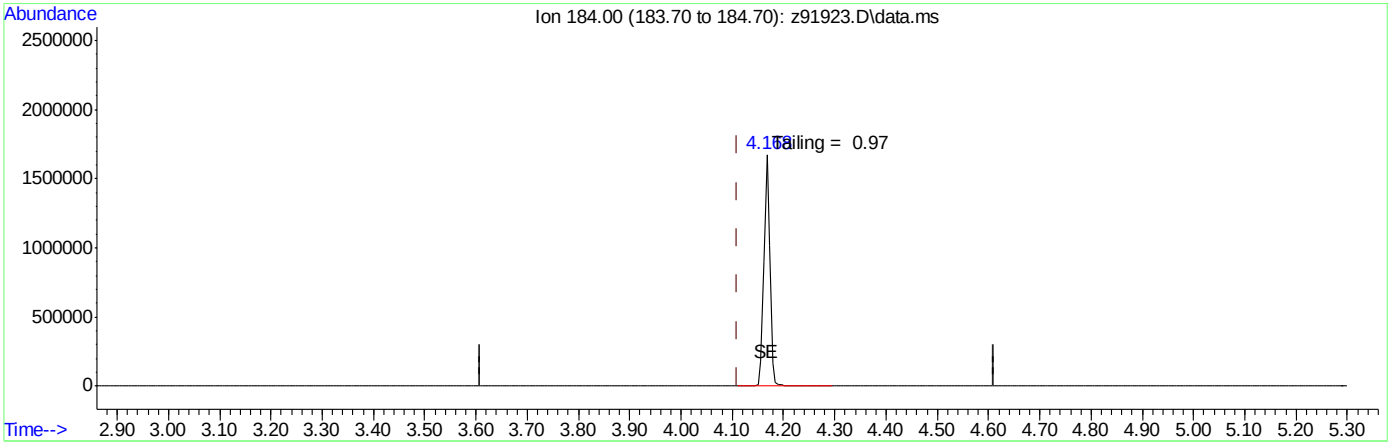
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

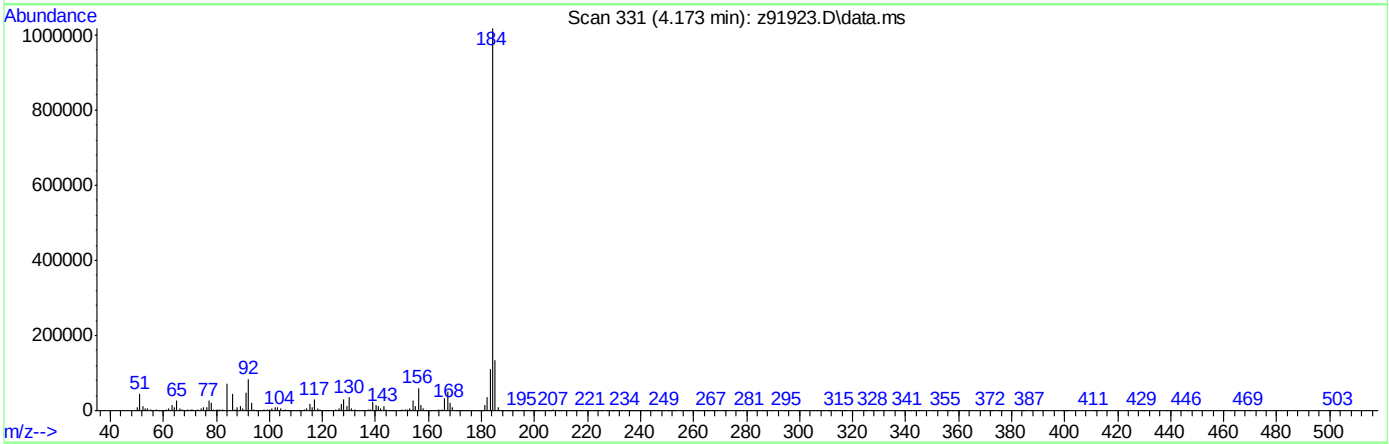
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91923.D
Acq On : 28 May 2014 9:41 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4575
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:32:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91923.D\data.ms

(2) Benzidine

4.170min (+0.060) 225.44

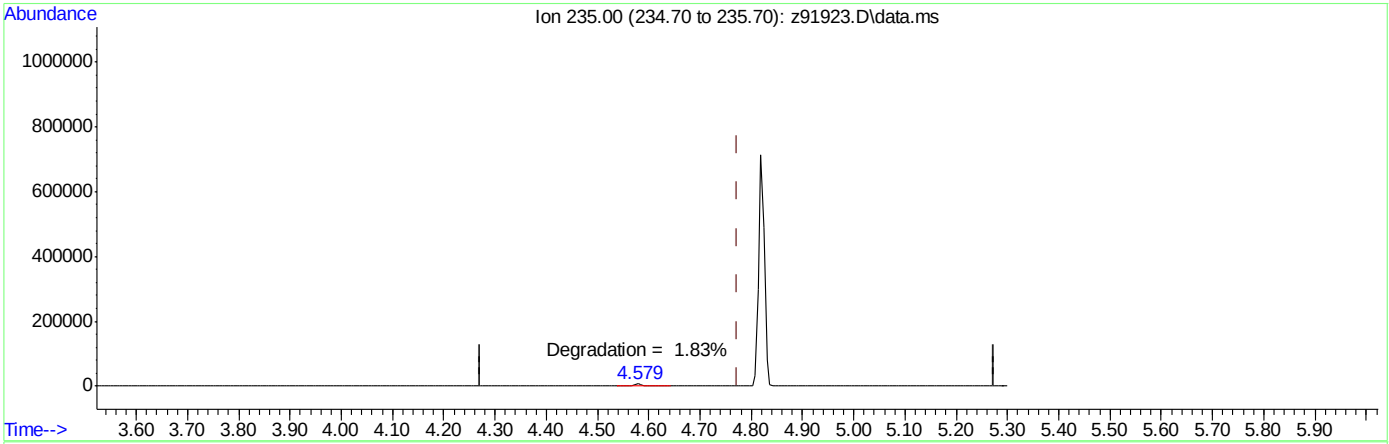
response 13694151

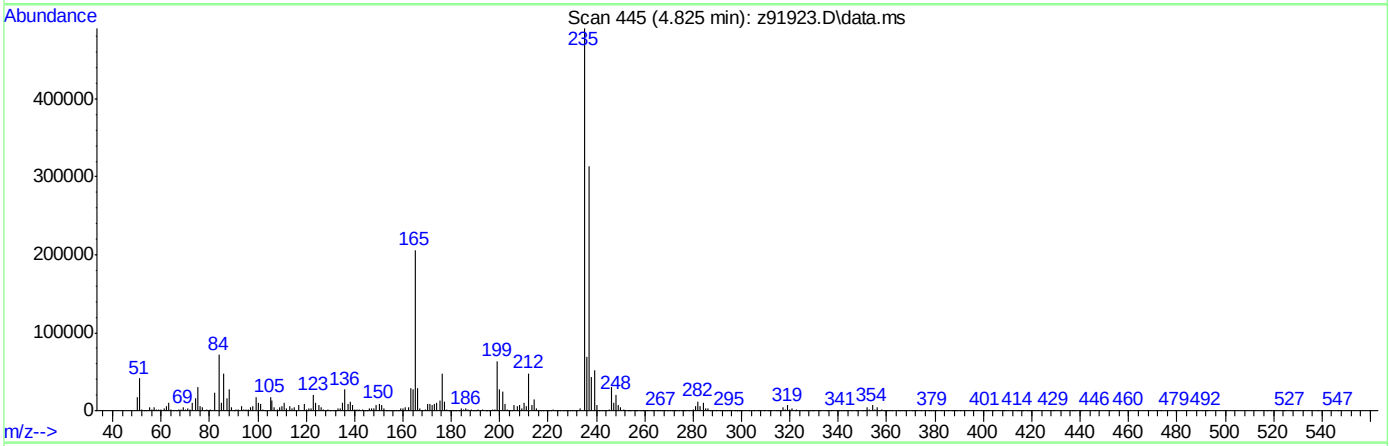
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91923.D
Acq On : 28 May 2014 9:41 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4575
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:32:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91923.D\data.ms

(3) PP-DDT

4.822min (+0.049) 222.33

response 5557301

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 16:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63420.D
Acq On : 13 May 2014 2:27 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 15:31:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Apr 17 09:19:44 2014
QLast Update : Tue May 13 15:30:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	476210	40.00	ppb	0.00
24) Naphthalene-d8	5.962	136	1975467	40.00	ppb	0.00
47) Acenaphthene-d10	8.064	164	1066355	40.00	ppb	0.00
69) Phenanthrene-d10	10.252	188	1593900	40.00	ppb	0.00
83) Chrysene-d12	14.445	240	1179953	40.00	ppb	0.00
92) Perylene-d12	16.552	264	1124834	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	476210	40.00	ppb	0.00
104) Acenaphthene-d10a	8.064	164	1066355	40.00	ppb	0.00
107) Chrysene-d12a	14.445	240	1179953	40.00	ppb	0.00
110) Phenanthrene-d10a	10.252	188	1593900	40.00	ppb	0.00
113) Naphthalene-d8a	5.962	136	1975467	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.849	112	1608585	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
8) Phenol-d5	4.561	99	1945870	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
25) Nitrobenzene-d5	5.293	82	1599960	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
51) 2-Fluorobiphenyl	7.181	172	2653547	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
73) 2,4,6-Tribromophenol	9.209	330	255960	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
85) Terphenyl-d14	12.808	244	2319578	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.416	88	870942	100.00	ppb	98
3) Pyridine	2.726	79	2191786	100.00	ppb	84
4) N-Nitrosodimethylamine	2.694	74	1164040	100.00	ppb #	42
6) Indene	5.053	116	2485832	100.00	ppb	94
7) Cumene	4.240	105	4076919	100.00	ppb	96
9) Phenol	4.571	94	2153803	100.00	ppb #	50
10) Aniline	4.587	93	2329994	100.00	ppb #	56
11) bis(2-Chloroethyl)ether	4.635	93	1558454	100.00	ppb	97
12) 2-Chlorophenol	4.684	128	1620212	100.00	ppb	99
13) Decane	4.716	43	1387935	100.00	ppb	75
14) 1,3-Dichlorobenzene	4.801	146	1716322	100.00	ppb	97
15) 1,4-Dichlorobenzene	4.855	146	1681375	100.00	ppb	99
16) Benzyl alcohol	4.951	108	1149512	100.00	ppb	78
17) 1,2-Dichlorobenzene	4.978	146	1517016	100.00	ppb	100
18) Acetophenone	5.170	105	1928645	100.00	ppb	96
19) 2-Methylphenol	5.037	108	1443898	100.00	ppb	93
20) 2,2'-oxybis(1-Chloropr...	5.058	45	1476874	100.00	ppb #	66
21) 3&4-Methylphenol	5.165	108	1242094	100.00	ppb	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63420.D
Acq On : 13 May 2014 2:27 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 15:31:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Apr 17 09:19:44 2014
QLast Update : Tue May 13 15:30:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.170	70	820807	100.00	ppb		79
23) Hexachloroethane	5.261	201	463827	100.00	ppb	#	81
26) Nitrobenzene	5.315	77	1653688	100.00	ppb		97
27) Quinoline	6.342	129	3899574	100.00	ppb		96
28) Isophorone	5.523	82	2985877	100.00	ppb		86
29) 2-Nitrophenol	5.593	139	865856	100.00	ppb		87
30) 2,4-Dimethylphenol	5.630	107	1487795	100.00	ppb		96
31) Benzoic acid	5.764	105	1331463m	98.20	ppb		
32) bis(2-Chloroethoxy)met...	5.716	93	1742720	100.00	ppb		99
33) 2,4-Dichlorophenol	5.823	162	1205208	100.00	ppb		98
34) 2,6-Dichlorophenol	6.048	162	1104266	100.00	ppb		99
35) 1,3,5-Trichlorobenzene	5.609	180	1370533	100.00	ppb		98
36) 1,2,4-Trichlorobenzene	5.903	180	1248618	100.00	ppb		98
37) 1,2,3-Trichlorobenzene	6.133	180	1342686	100.00	ppb		98
38) Naphthalene	5.983	128	4567262	100.00	ppb		99
39) 4-Chloroaniline	6.037	127	1839584	100.00	ppb		95
40) 2,3-Dichloroaniline	7.069	161	1452838	100.00	ppb		98
41) Caprolactam	6.438	55	810893	100.00	ppb		94
42) Hexachlorobutadiene	6.117	225	503814	100.00	ppb		98
43) 4-Chloro-3-methylphenol	6.561	107	1372982	100.00	ppb	#	29
44) 2-Methylnaphthalene	6.732	141	2501671	99.99	ppb		93
45) 1-Methylnaphthalene	6.850	142	3227003	100.00	ppb		93
46) Dimethylnaphthalene	7.513	156	2732989	100.00	ppb		92
49) 2,4,6-Trichlorophenol	7.080	196	662056	100.00	ppb		99
50) 2,4,5-Trichlorophenol	7.123	196	832779	100.00	ppb		98
52) 2-Chloronaphthalene	7.331	162	2530430	100.00	ppb		96
53) Biphenyl	7.310	154	3659014	100.00	ppb		98
54) 2-Nitroaniline	7.465	65	848774	100.00	ppb		87
55) Dimethylphthalate	7.716	163	2878302	100.00	ppb		97
56) Acenaphthylene	7.871	152	4408575	100.00	ppb		99
57) 2,6-Dinitrotoluene	7.791	165	708894	100.00	ppb		98
58) 3-Nitroaniline	8.021	138	962461	100.00	ppb		97
59) Acenaphthene	8.117	153	2628441	100.00	ppb		98
60) 2,4-Dinitrophenol	8.166	184	882162	200.00	ppb	#	52
61) 4-Nitrophenol	8.273	109	409956	99.99	ppb	#	51
62) Dibenzofuran	8.358	168	3250335	100.00	ppb		99
63) 2,4-Dinitrotoluene	8.353	165	839543	100.00	ppb		90
64) 2,3,4,6-Tetrachlorophenol	8.540	232	551145	100.00	ppb		88
65) Diethylphthalate	8.727	149	2853026	100.00	ppb		100
66) Fluorene	8.850	166	2660292	100.00	ppb		98
67) 4-Chlorophenyl-phenyle...	8.866	204	1067116	100.00	ppb		97
68) 4-Nitroaniline	8.909	138	962065	100.00	ppb		78
70) 4,6-Dinitro-2-methylph...	8.946	198	531169	100.00	ppb	#	76
71) n-Nitrosodiphenylamine	9.048	169	1976792	100.00	ppb		98
72) 1,2-Diphenylhydrazine	9.102	77	3146718	100.00	ppb		91
74) 4-Bromophenyl-phenylether	9.594	248	572343	100.00	ppb		93
75) Hexachlorobenzene	9.685	284	595530	100.00	ppb		95
76) Pentachlorophenol	9.989	266	817311	200.00	ppb		100
77) Phenanthrene	10.294	178	4020861	100.00	ppb		98
78) Anthracene	10.375	178	4105568	100.00	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63420.D
Acq On : 13 May 2014 2:27 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 15:31:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Apr 17 09:19:44 2014
QLast Update : Tue May 13 15:30:24 2014
Response via : Initial Calibration

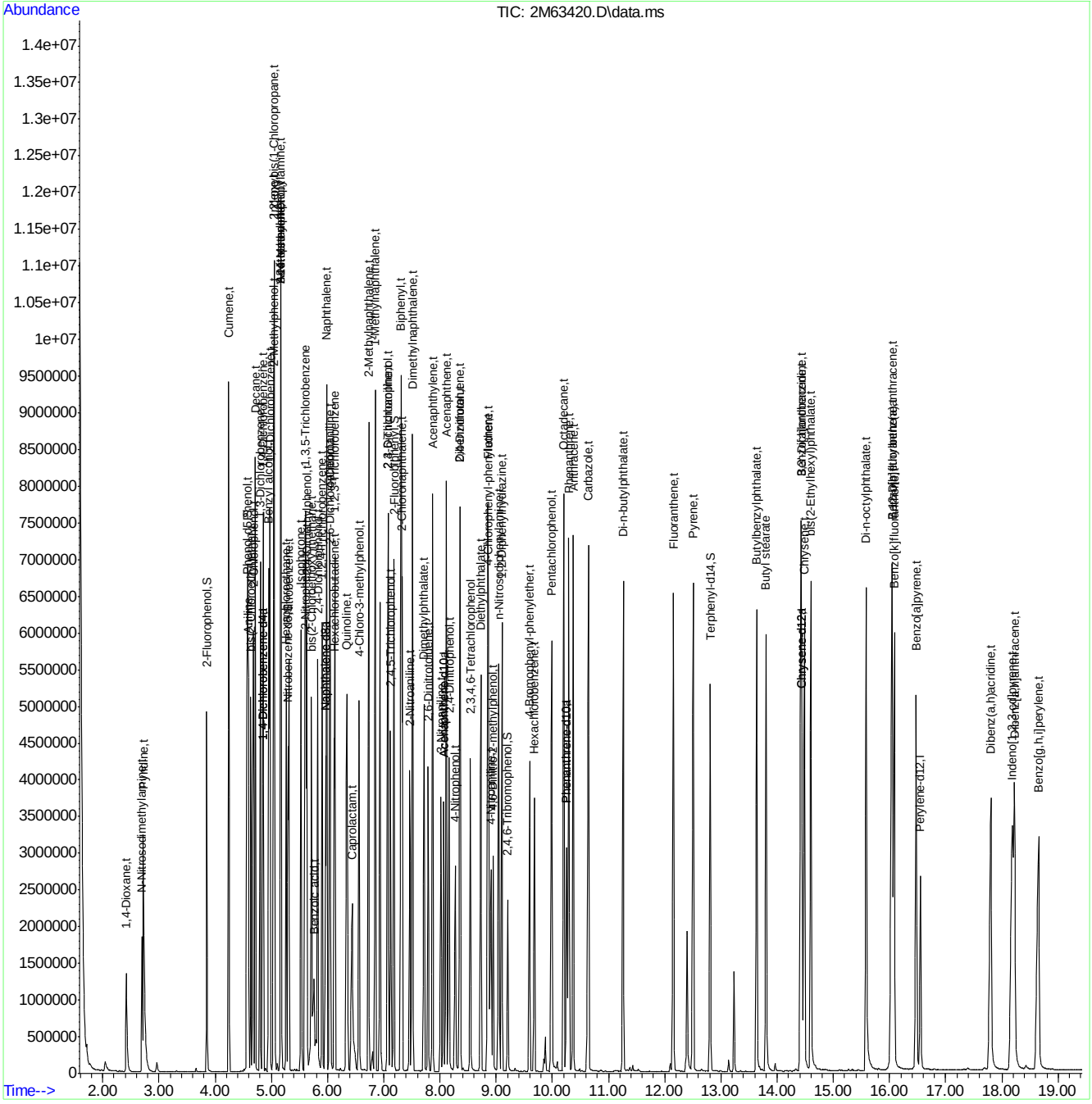
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.642	167	4499894	100.00	ppb	99
80) Di-n-butylphthalate	11.262	149	4938733	100.00	ppb	98
81) Fluoranthene	12.156	202	3784963	100.00	ppb	93
82) Octadecane	10.203	57	2010244	100.00	ppb	83
84) Pyrene	12.509	202	4012375	100.00	ppb	98
86) Butylbenzylphthalate	13.637	149	2158098	100.00	ppb	97
87) Butyl stearate	13.803	56	1228178	100.00	ppb	87
88) Benzo[a]anthracene	14.423	228	2955674	100.00	ppb	99
89) 3,3'-Dichlorobenzidine	14.429	252	1001950	100.00	ppb	99
90) Chrysene	14.488	228	3131023	100.00	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.600	149	2983055	100.00	ppb	97
93) Di-n-octylphthalate	15.584	149	5313693	100.00	ppb	95
94) Benzo[b]fluoranthene	16.049	252	3250260	100.00	ppb	93
95) Benzo[k]fluoranthene	16.087	252	2925255	100.11	ppb	98
96) Benzo[a]pyrene	16.477	252	2981804	99.75	ppb	95
97) Indeno[1,2,3-cd]pyrene	18.184	276	3491856	100.00	ppb	74
98) Dibenz(a,h)acridine	17.804	279	3105094	100.00	ppb	100
99) Dibenz[a,h]anthracene	18.226	278	3071042	100.00	ppb	91
100) 7,12-Dimethylbenz(a)an...	16.049	256	1586446	100.00	ppb	98
101) Benzo[g,h,i]perylene	18.654	276	2859516	100.00	ppb	81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63420.D
Acq On : 13 May 2014 2:27 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 15:31:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Apr 17 09:19:44 2014
QLast Update : Tue May 13 15:30:24 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

Sample Number: E2M2693-IC2693
Lab FileID: 2M63420.D
Injection Time: 05/13/14 14:27

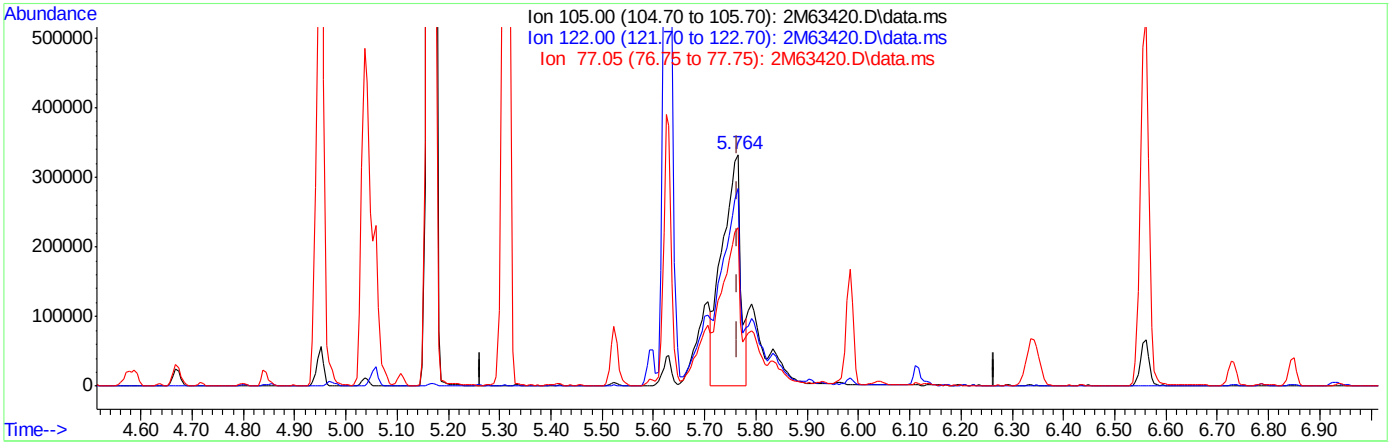
Method: SW846 8270D
Analyst approved: 05/14/14 15:18 Olga Azarihn
Supervisor approved: 05/14/14 16:49 Nina Pandya

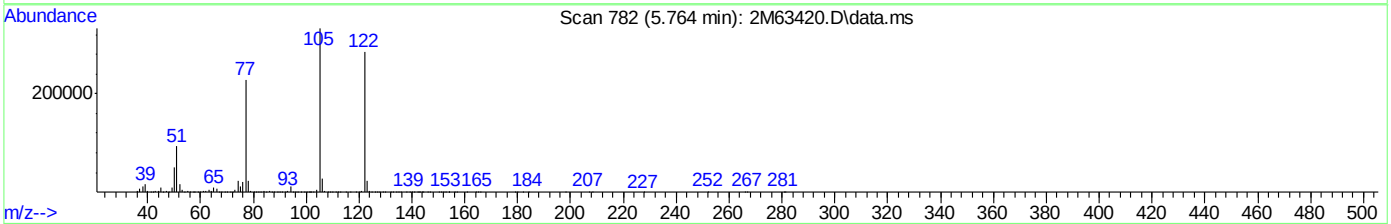
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.76	Poor instrument integration

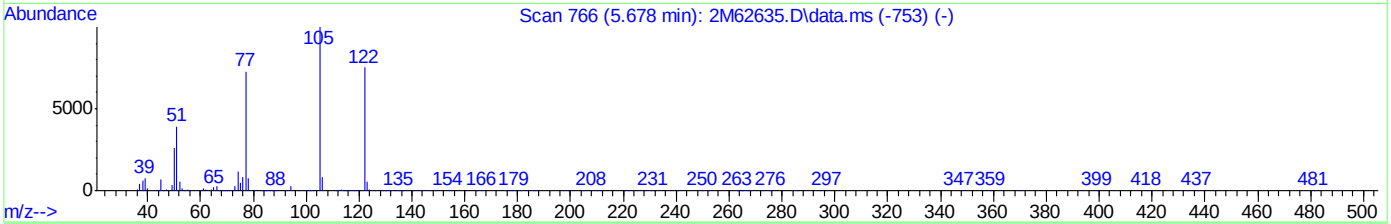
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63420.D
Acq On : 13 May 2014 2:27 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 15:30:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Apr 17 09:19:44 2014
QLast Update : Tue May 13 15:30:24 2014
Response via : Initial Calibration







TIC: 2M63420.D\data.ms

(31) Benzoic acid (t)

5.764min (0.000) 61.06ppb

response 827830

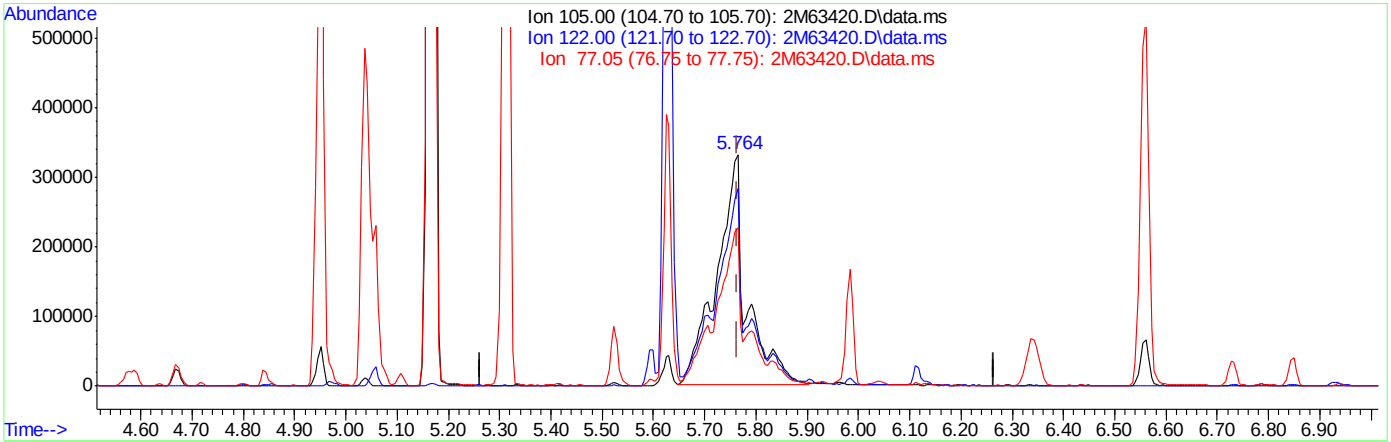
Ion	Exp%	Act%
105.00	100	100
122.00	76.90	84.28
77.05	73.50	66.67
0.00	0.00	0.00

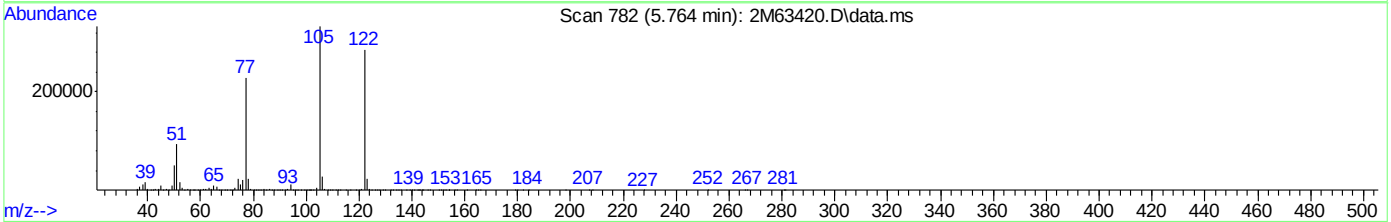
ACCUTEST LABORATORIES JB67744

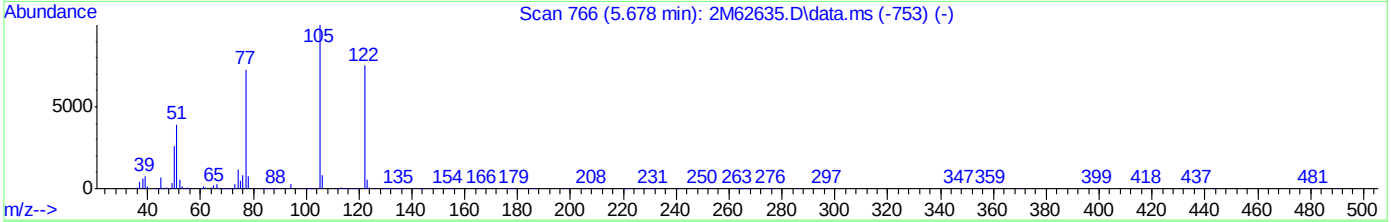
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63420.D
Acq On : 13 May 2014 2:27 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 15:30:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umThu Apr 17 09:19:44 2014
QLast Update : Tue May 13 15:30:24 2014
Response via : Initial Calibration







TIC: 2M63420.D\data.ms

(31) Benzoic acid (t)

5.764min (0.000) 98.20ppb m

response 1331463

Ion	Exp%	Act%
105.00	100	100
122.00	76.90	85.52
77.05	73.50	68.30
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 16:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63421.D
Acq On : 13 May 2014 2:53 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 15:34:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:32:19 2014
QLast Update : Tue May 13 15:32:19 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	699233	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	2806716	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	1492835	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	2255961	40.00	ppb	0.00
83) Chrysene-d12	14.429	240	1811920	40.00	ppb	-0.02
92) Perylene-d12	16.541	264	1516812	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.839	152	699233	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	1492835	40.00	ppb	0.00
107) Chrysene-d12a	14.429	240	1811920	40.00	ppb	-0.02
110) Phenanthrene-d10a	10.246	188	2255961	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	2806716	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.849	112	26336	1.12	ppb	0.00
Spiked Amount 50.000			Recovery =	2.24%		
8) Phenol-d5	4.550	99	31519	1.10	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.20%		
25) Nitrobenzene-d5	5.288	82	23388	1.03	ppb	0.00
Spiked Amount 50.000			Recovery =	2.06%		
51) 2-Fluorobiphenyl	7.171	172	46880	1.26	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.52%		
73) 2,4,6-Tribromophenol	9.192	330	2674	0.74	ppb	-0.02
Spiked Amount 50.000			Recovery =	1.48%		
85) Terphenyl-d14	12.797	244	32720	0.92	ppb	-0.01
Spiked Amount 50.000			Recovery =	1.84%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.426	88	12904	1.01	ppb	94
3) Pyridine	2.753	79	25655	0.80	ppb	85
4) N-Nitrosodimethylamine	2.705	74	16728	0.98	ppb #	39
6) Indene	5.047	116	45722	1.25	ppb	92
7) Cumene	4.240	105	63348	1.06	ppb	93
9) Phenol	4.561	94	33498	1.06	ppb #	47
10) Aniline	4.582	93	42957	1.26	ppb #	58
11) bis(2-Chloroethyl)ether	4.625	93	24812	1.08	ppb	99
12) 2-Chlorophenol	4.673	128	26273	1.10	ppb	96
13) Decane	4.716	43	24660	1.21	ppb	78
14) 1,3-Dichlorobenzene	4.796	146	30138	1.20	ppb	97
15) 1,4-Dichlorobenzene	4.849	146	30859	1.25	ppb	94
16) Benzyl alcohol	4.940	108	17142	1.02	ppb #	75
17) 1,2-Dichlorobenzene	4.978	146	27396	1.23	ppb	97
18) Acetophenone	5.154	105	35886	1.27	ppb	98
19) 2-Methylphenol	5.026	108	22475	1.06	ppb	94
20) 2,2'-oxybis(1-Chloropr...	5.047	45	32733	1.51	ppb #	64
21) 3&4-Methylphenol	5.149	108	23073	1.27	ppb	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63421.D
Acq On : 13 May 2014 2:53 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 15:34:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:32:19 2014
QLast Update : Tue May 13 15:32:19 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.154	70	17101	1.42	ppb		78
23) Hexachloroethane	5.256	201	7241	1.06	ppb	#	62
26) Nitrobenzene	5.304	77	24166	1.03	ppb		95
27) Quinoline	6.315	129	47959	0.87	ppb		97
28) Isophorone	5.507	82	44314	1.04	ppb		86
29) 2-Nitrophenol	5.587	139	11584	0.94	ppb		85
30) 2,4-Dimethylphenol	5.614	107	16760	0.79	ppb		98
31) Benzoic acid	5.652	105	6284	0.33	ppb	#	64
32) bis(2-Chloroethoxy)met...	5.705	93	27415	1.11	ppb		100
33) 2,4-Dichlorophenol	5.812	162	16942	0.99	ppb		94
34) 2,6-Dichlorophenol	6.037	162	17741	1.13	ppb		92
35) 1,3,5-Trichlorobenzene	5.604	180	21779	1.12	ppb		96
36) 1,2,4-Trichlorobenzene	5.898	180	19826	1.12	ppb		96
37) 1,2,3-Trichlorobenzene	6.122	180	19831	1.04	ppb		96
38) Naphthalene	5.978	128	79076	1.22	ppb		98
39) 4-Chloroaniline	6.021	127	30045	1.15	ppb		97
40) 2,3-Dichloroaniline	7.058	161	22575	1.09	ppb		97
41) Caprolactam	6.347	55	8263	0.72	ppb		90
42) Hexachlorobutadiene	6.112	225	8298	1.16	ppb		88
43) 4-Chloro-3-methylphenol	6.534	107	16383	0.84	ppb		94
44) 2-Methylnaphthalene	6.721	141	41698	1.17	ppb		94
45) 1-Methylnaphthalene	6.839	142	48721	1.06	ppb		90
46) Dimethylnaphthalene	7.497	156	40388	1.04	ppb		95
49) 2,4,6-Trichlorophenol	7.058	196	9620	1.04	ppb		86
50) 2,4,5-Trichlorophenol	7.101	196	9854	0.85	ppb		99
52) 2-Chloronaphthalene	7.315	162	41529	1.17	ppb		96
53) Biphenyl	7.294	154	56887	1.11	ppb		99
54) 2-Nitroaniline	7.443	65	8675	0.73	ppb		98
55) Dimethylphthalate	7.700	163	42857	1.06	ppb		98
56) Acenaphthylene	7.861	152	66297	1.07	ppb		98
57) 2,6-Dinitrotoluene	7.770	165	7120	0.72	ppb		92
58) 3-Nitroaniline	7.994	138	8256	0.61	ppb		97
59) Acenaphthene	8.101	153	43997	1.20	ppb		98
60) 2,4-Dinitrophenol	8.139	184	2253	0.36	ppb	#	54
61) 4-Nitrophenol	8.246	109	2828	0.49	ppb	#	38
62) Dibenzofuran	8.342	168	58943	1.30	ppb		98
63) 2,4-Dinitrotoluene	8.326	165	9092	0.77	ppb		86
64) 2,3,4,6-Tetrachlorophenol	8.529	232	5995	0.78	ppb		84
65) Diethylphthalate	8.706	149	40915	1.02	ppb		98
66) Fluorene	8.839	166	45599	1.22	ppb		98
67) 4-Chlorophenyl-phenyle...	8.855	204	17653	1.18	ppb		87
68) 4-Nitroaniline	8.861	138	9607	0.71	ppb		76
70) 4,6-Dinitro-2-methylph...	8.920	198	2410	0.32	ppb	#	71
71) n-Nitrosodiphenylamine	9.027	169	28706	1.03	ppb		96
72) 1,2-Diphenylhydrazine	9.085	77	44267	0.99	ppb		90
74) 4-Bromophenyl-phenylether	9.583	248	8160	1.01	ppb		89
75) Hexachlorobenzene	9.668	284	8802	1.04	ppb		88
76) Pentachlorophenol	9.973	266	6685	1.16	ppb		95
77) Phenanthrene	10.278	178	68905	1.21	ppb		96
78) Anthracene	10.358	178	63976	1.10	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63421.D
Acq On : 13 May 2014 2:53 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 15:34:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:32:19 2014
QLast Update : Tue May 13 15:32:19 2014
Response via : Initial Calibration

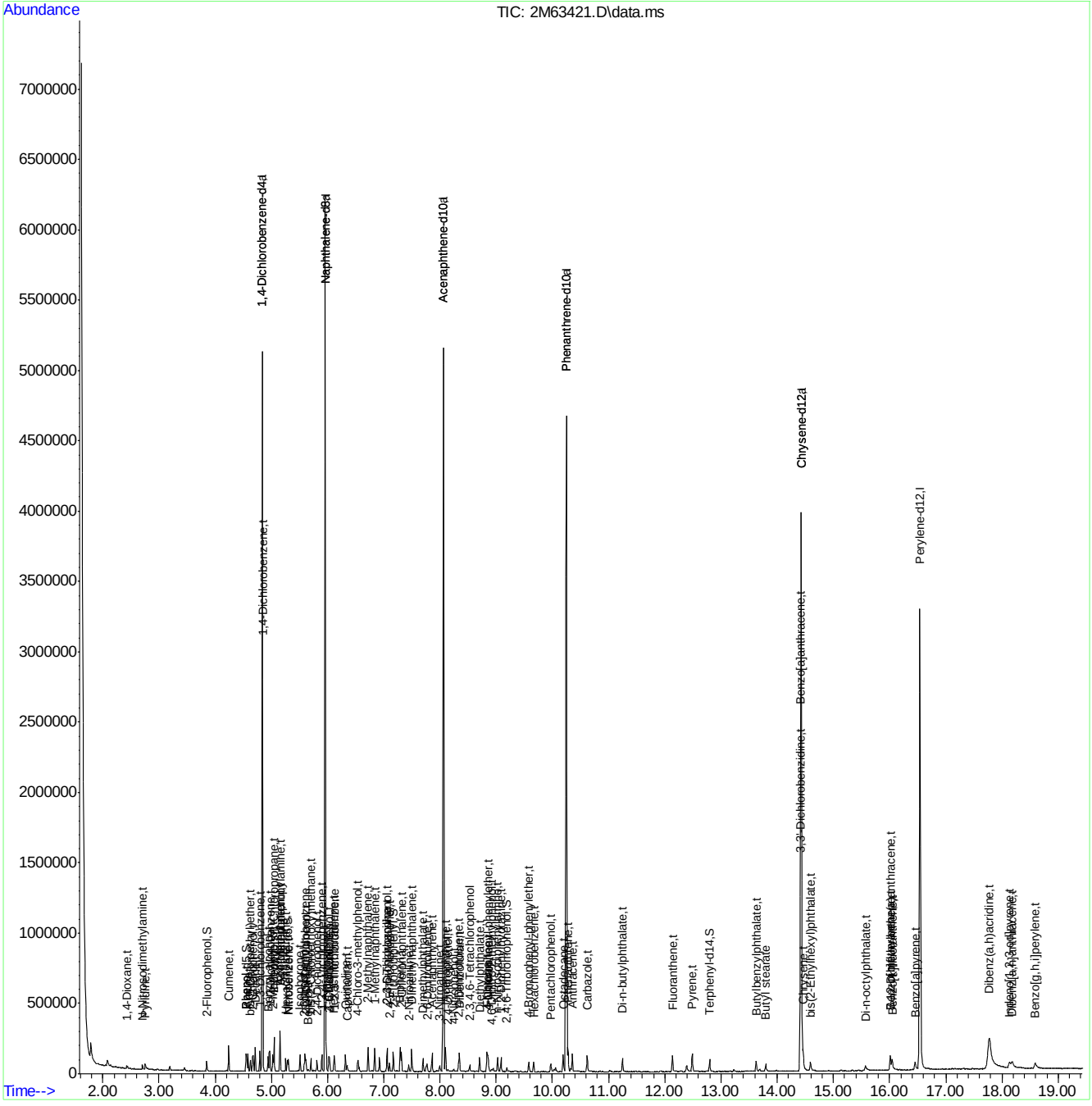
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
79) Carbazole	10.621	167	60235	0.95	ppb		96
80) Di-n-butylphthalate	11.252	149	61263	0.88	ppb		96
81) Fluoranthene	12.140	202	55502	1.04	ppb		89
82) Octadecane	10.193	57	24896	0.88	ppb	#	83
84) Pyrene	12.487	202	60163	0.98	ppb		98
86) Butylbenzylphthalate	13.626	149	24552	0.74	ppb		97
87) Butyl stearate	13.798	56	11131	0.59	ppb		84
88) Benzo[a]anthracene	14.413	228	49591	1.09	ppb		97
89) 3,3'-Dichlorobenzidine	14.407	252	11816	0.77	ppb		93
90) Chrysene	14.461	228	48853	1.02	ppb		95
91) bis(2-Ethylhexyl)phtha...	14.589	149	29445	0.64	ppb		98
93) Di-n-octylphthalate	15.573	149	36548	0.51	ppb		95
94) Benzo[b]fluoranthene	16.012	252	35645m	0.81	ppb		
95) Benzo[k]fluoranthene	16.049	252	47497	1.20	ppb		92
96) Benzo[a]pyrene	16.456	252	31957	0.79	ppb		93
97) Indeno[1,2,3-cd]pyrene	18.135	276	41845	0.89	ppb		75
98) Dibenz(a,h)acridine	17.772	279	33052	0.79	ppb		99
99) Dibenz[a,h]anthracene	18.178	278	33414	0.81	ppb		80
100) 7,12-Dimethylbenz(a)an...	16.012	256	8733	0.41	ppb		93
101) Benzo[g,h,i]perylene	18.590	276	33501	0.87	ppb		75

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63421.D
Acq On : 13 May 2014 2:53 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 15:34:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:32:19 2014
QLast Update : Tue May 13 15:32:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

Sample Number: E2M2693-IC2693
Lab FileID: 2M63421.D
Injection Time: 05/13/14 14:53

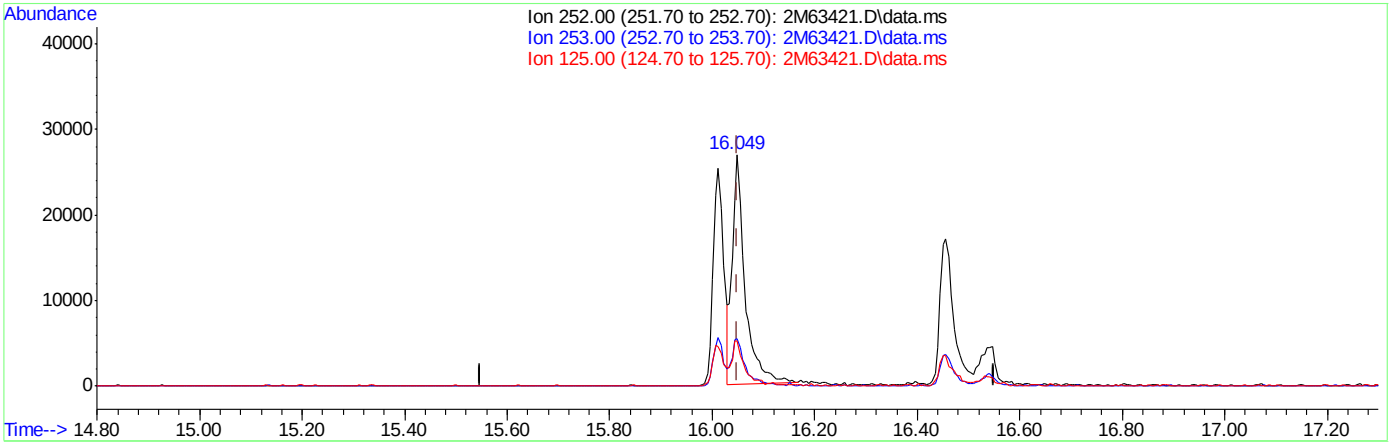
Method: SW846 8270D
Analyst approved: 05/14/14 15:18 Olga Azarihn
Supervisor approved: 05/14/14 16:49 Nina Pandya

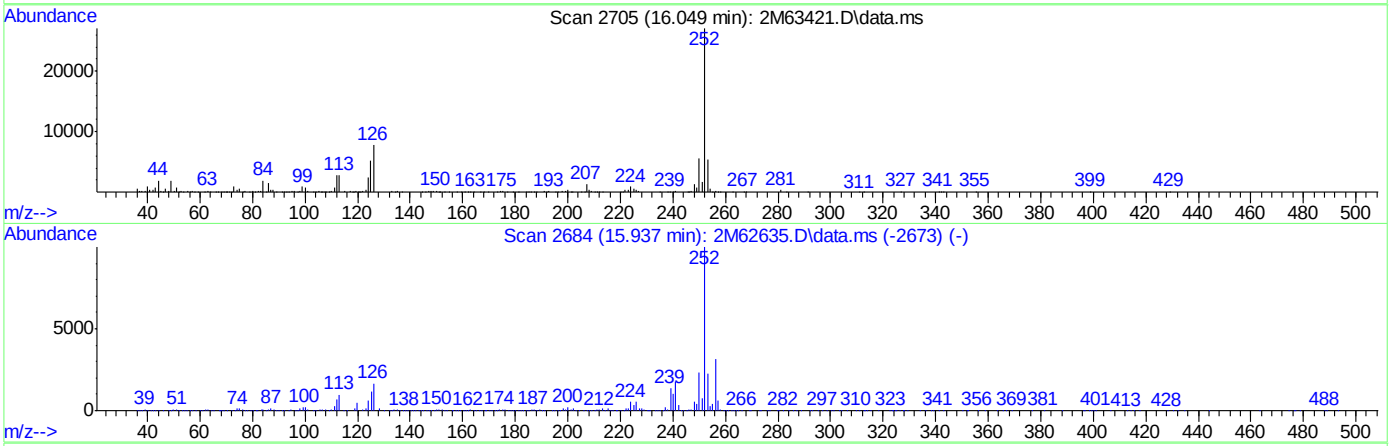
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		16.01	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63421.D
Acq On : 13 May 2014 2:53 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 15:32:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:32:19 2014
QLast Update : Tue May 13 15:32:19 2014
Response via : Initial Calibration





TIC: 2M63421.D\data.ms

(94) Benzo[b]fluoranthene (t)

16.049min (-0.000) 1.08ppb

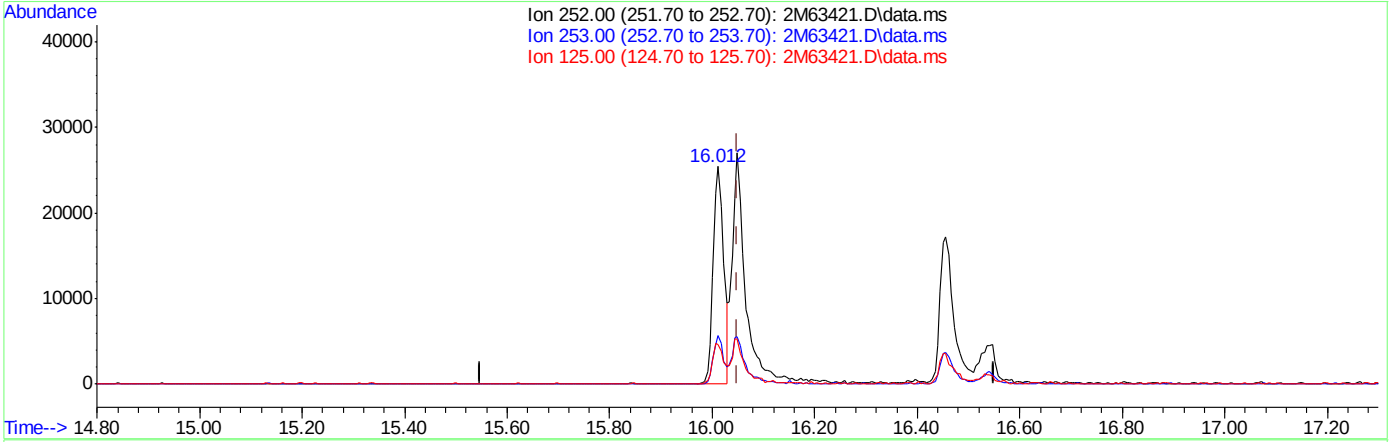
response 47497

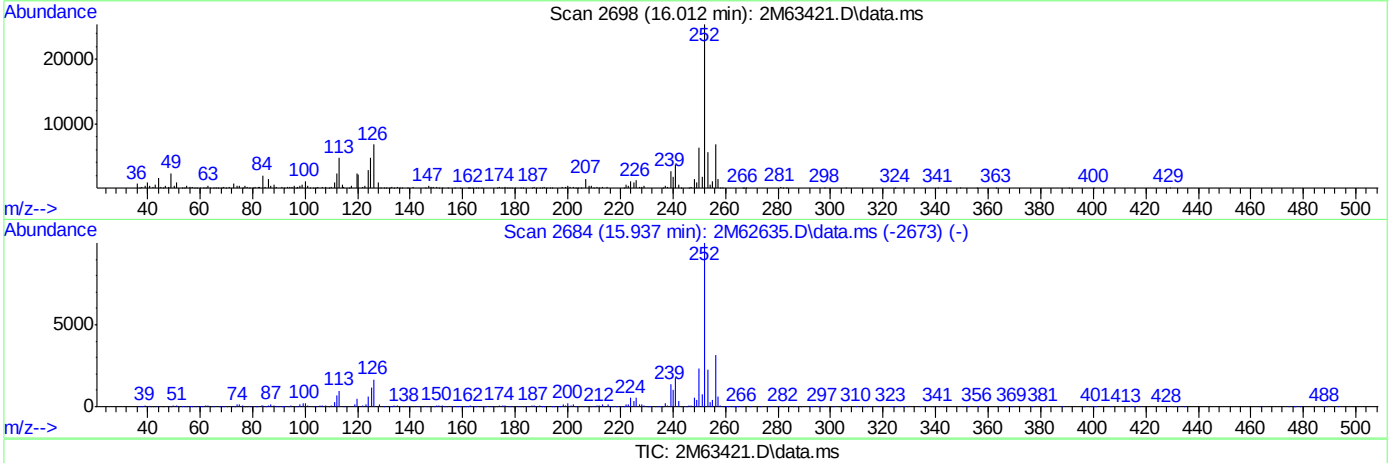
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	20.22
125.00	12.10	18.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63421.D
Acq On : 13 May 2014 2:53 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 15:32:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:32:19 2014
QLast Update : Tue May 13 15:32:19 2014
Response via : Initial Calibration





TIC: 2M63421.D\data.ms

(94) Benzo[b]fluoranthene (t)

16.012min (-0.038) 0.81ppb m

response 35645

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.41
125.00	12.10	18.42
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 16:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:28:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	461188	40.00	ppb		0.00
24) Naphthalene-d8	5.962	136	1889851	40.00	ppb		0.00
47) Acenaphthene-d10	8.064	164	1003957	40.00	ppb		0.00
69) Phenanthrene-d10	10.251	188	1500268	40.00	ppb		0.00
83) Chrysene-d12	14.439	240	1153063	40.00	ppb		0.01
92) Perylene-d12	16.547	264	1032456	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	461188	40.00	ppb		0.00
104) Acenaphthene-d10a	8.064	164	1003957	40.00	ppb		0.00
107) Chrysene-d12a	14.439	240	1153063	40.00	ppb		0.01
110) Phenanthrene-d10a	10.251	188	1500268	40.00	ppb		0.00
113) Naphthalene-d8a	5.962	136	1889851	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.849	112	1282880	77.87	ppb		0.00
Spiked Amount 50.000			Recovery =	155.74%			
8) Phenol-d5	4.561	99	1570059	79.23	ppb		0.01
Spiked Amount 50.000			Recovery =	158.46%			
25) Nitrobenzene-d5	5.293	82	1296697	83.51	ppb		0.00
Spiked Amount 50.000			Recovery =	167.02%			
51) 2-Fluorobiphenyl	7.176	172	2171367	76.85	ppb		0.00
Spiked Amount 50.000			Recovery =	153.70%			
73) 2,4,6-Tribromophenol	9.203	330	195481	93.36	ppb		0.01
Spiked Amount 50.000			Recovery =	186.72%			
85) Terphenyl-d14	12.808	244	1861976	85.63	ppb		0.01
Spiked Amount 50.000			Recovery =	171.26%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb		
109) 1-chlorooctadecane	0.000	57	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%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.416	88	689146	81.34	ppb		96
3) Pyridine	2.721	79	1739247	91.19	ppb		86
4) N-Nitrosodimethylamine	2.694	74	920033	82.49	ppb	#	41
6) Indene	5.047	116	2179822	80.39	ppb		95
7) Cumene	4.240	105	3369831	82.93	ppb		95
9) Phenol	4.571	94	1780925	82.93	ppb	#	48
10) Aniline	4.587	93	1886872	74.14	ppb	#	56
11) bis(2-Chloroethyl)ether	4.635	93	1255609	79.83	ppb		95
12) 2-Chlorophenol	4.684	128	1328091	80.44	ppb		97
13) Decane	4.716	43	1194418	80.42	ppb		76
14) 1,3-Dichlorobenzene	4.796	146	1404420	76.96	ppb		98
15) 1,4-Dichlorobenzene	4.855	146	1379196	75.29	ppb		99
16) Benzyl alcohol	4.951	108	932484	83.11	ppb	#	75
17) 1,2-Dichlorobenzene	4.978	146	1277106	77.97	ppb		100
18) Acetophenone	5.165	105	1647560	77.81	ppb		96
19) 2-Methylphenol	5.037	108	1209021	83.94	ppb		92
20) 2,2'-oxybis(1-Chloropr...	5.058	45	1292264	72.01	ppb	#	66
21) 3&4-Methylphenol	5.160	108	1080572	79.32	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:28:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.170	70	681488	70.88	ppb		78
23) Hexachloroethane	5.261	201	376375	81.22	ppb		82
26) Nitrobenzene	5.309	77	1331843	83.00	ppb		98
27) Quinoline	6.336	129	3086254	88.69	ppb		97
28) Isophorone	5.518	82	2383200	81.61	ppb		86
29) 2-Nitrophenol	5.593	139	705863	87.78	ppb		87
30) 2,4-Dimethylphenol	5.625	107	1186638	93.00	ppb		95
31) Benzoic acid	5.748	105	1022574m	120.52	ppb		
32) bis(2-Chloroethoxy)met...	5.710	93	1411446	80.35	ppb		99
33) 2,4-Dichlorophenol	5.817	162	967460	84.36	ppb		98
34) 2,6-Dichlorophenol	6.042	162	916669	81.45	ppb		98
35) 1,3,5-Trichlorobenzene	5.609	180	1140373	82.11	ppb		98
36) 1,2,4-Trichlorobenzene	5.903	180	1008412	79.73	ppb		98
37) 1,2,3-Trichlorobenzene	6.133	180	1094972	83.59	ppb		98
38) Naphthalene	5.983	128	3753511	77.44	ppb		99
39) 4-Chloroaniline	6.031	127	1512141	79.95	ppb		96
40) 2,3-Dichloroaniline	7.064	161	1206259	82.91	ppb		99
41) Caprolactam	6.427	55	635505	95.41	ppb		95
42) Hexachlorobutadiene	6.112	225	408590	78.52	ppb		97
43) 4-Chloro-3-methylphenol	6.556	107	1094259	90.56	ppb		98
44) 2-Methylnaphthalene	6.727	141	2055329	79.04	ppb		94
45) 1-Methylnaphthalene	6.844	142	2679169	84.15	ppb		94
46) Dimethylnaphthalene	7.508	156	2265843	84.96	ppb		92
48) Hexachlorocyclopentadiene	6.930	237	884453	186.96	ppb		98
49) 2,4,6-Trichlorophenol	7.074	196	540977	85.17	ppb		99
50) 2,4,5-Trichlorophenol	7.117	196	643206	88.92	ppb		98
52) 2-Chloronaphthalene	7.326	162	2078568	80.33	ppb		96
53) Biphenyl	7.304	154	3079723	84.72	ppb		97
54) 2-Nitroaniline	7.459	65	675882	97.78	ppb		92
55) Dimethylphthalate	7.716	163	2267468	81.10	ppb		98
56) Acenaphthylene	7.871	152	3602373	83.69	ppb		99
57) 2,6-Dinitrotoluene	7.786	165	561097	97.90	ppb		99
58) 3-Nitroaniline	8.016	138	756663	103.56	ppb		97
59) Acenaphthene	8.112	153	2135830	78.62	ppb		97
60) 2,4-Dinitrophenol	8.160	184	666489	271.47	ppb	#	55
61) 4-Nitrophenol	8.267	109	318276	110.48	ppb	#	51
62) Dibenzofuran	8.358	168	2702307	76.94	ppb		99
63) 2,4-Dinitrotoluene	8.347	165	692190	98.75	ppb		93
64) 2,3,4,6-Tetrachlorophenol	8.540	232	430615	93.40	ppb		90
65) Diethylphthalate	8.727	149	2300131	84.60	ppb		99
66) Fluorene	8.850	166	2217558	79.61	ppb		98
67) 4-Chlorophenyl-phenyle...	8.861	204	884820	80.74	ppb		96
68) 4-Nitroaniline	8.898	138	758571	97.76	ppb		79
70) 4,6-Dinitro-2-methylph...	8.941	198	413460	125.25	ppb	#	77
71) n-Nitrosodiphenylamine	9.043	169	1574879	83.55	ppb		100
72) 1,2-Diphenylhydrazine	9.096	77	2542105	86.09	ppb		89
74) 4-Bromophenyl-phenylether	9.594	248	456016	84.34	ppb		95
75) Hexachlorobenzene	9.679	284	473523	82.65	ppb		90
76) Pentachlorophenol	9.984	266	647760	213.45	ppb		99
77) Phenanthrene	10.294	178	3257625	77.87	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:28:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration

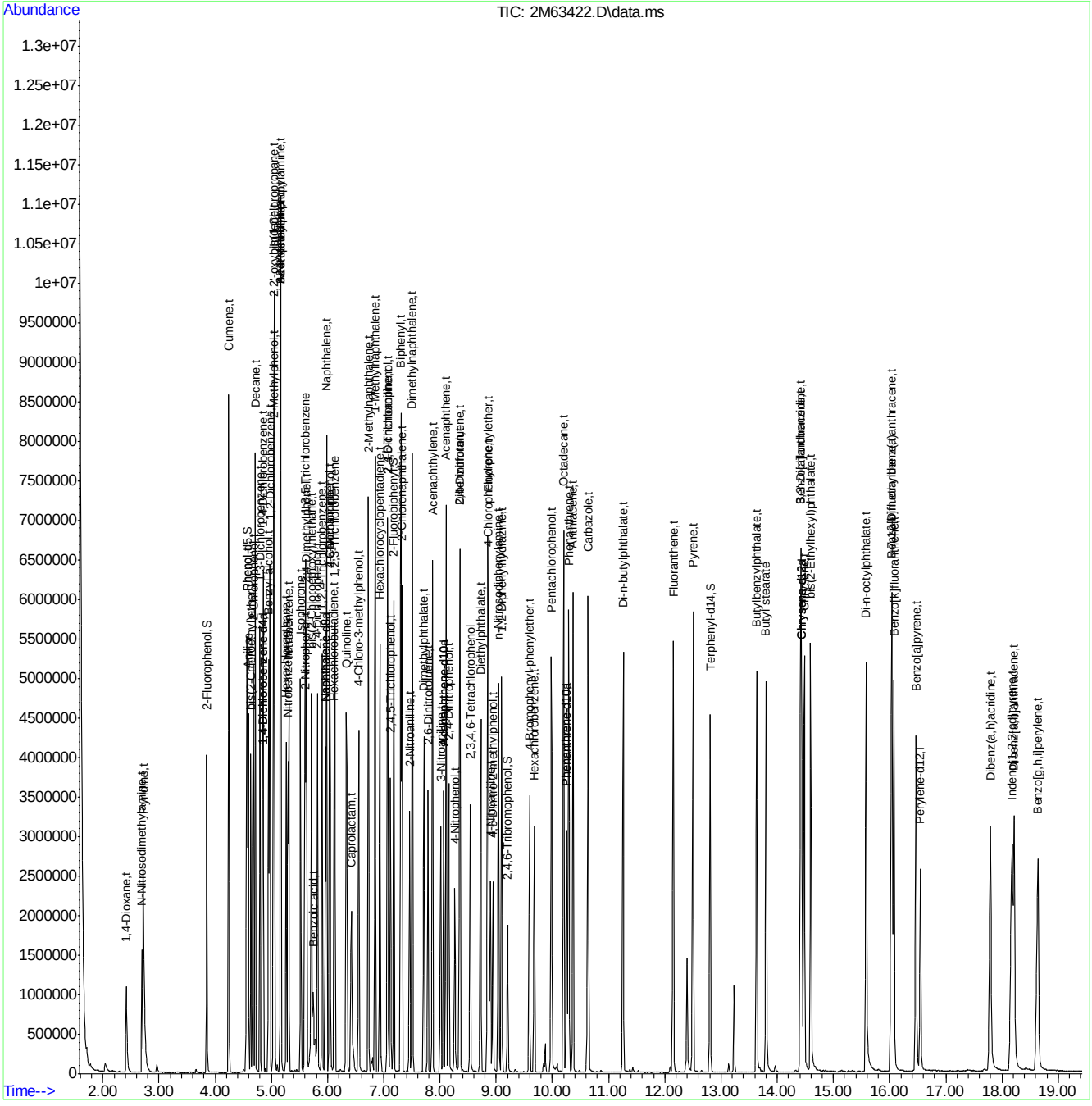
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.369	178	3315093	81.66	ppb	98
79) Carbazole	10.637	167	3642838	88.40	ppb	99
80) Di-n-butylphthalate	11.262	149	3959306	90.78	ppb	98
81) Fluoranthene	12.156	202	3060528	84.39	ppb	93
82) Octadecane	10.203	57	1667393	94.00	ppb	83
84) Pyrene	12.503	202	3252950	83.95	ppb	98
86) Butylbenzylphthalate	13.637	149	1744865	95.05	ppb	96
87) Butyl stearate	13.803	56	1015052	106.37	ppb	84
88) Benzo[a]anthracene	14.418	228	2437355	80.65	ppb	99
89) 3,3'-Dichlorobenzidine	14.423	252	819813	94.72	ppb	98
90) Chrysene	14.482	228	2496212	80.93	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.600	149	2402108	100.32	ppb	96
93) Di-n-octylphthalate	15.584	149	4227652	114.80	ppb	95
94) Benzo[b]fluoranthene	16.033	252	2505966	92.65	ppb	93
95) Benzo[k]fluoranthene	16.081	252	2394727m	80.93	ppb	
96) Benzo[a]pyrene	16.472	252	2280227	92.84	ppb	94
97) Indeno[1,2,3-cd]pyrene	18.178	276	2692224	88.95	ppb	73
98) Dibenz(a,h)acridine	17.798	279	2375521	93.16	ppb	100
99) Dibenz[a,h]anthracene	18.216	278	2381724	93.52	ppb	88
100) 7,12-Dimethylbenz(a)an...	16.044	256	1270930	123.96	ppb	98
101) Benzo[g,h,i]perylene	18.649	276	2211258	90.16	ppb	82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:28:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

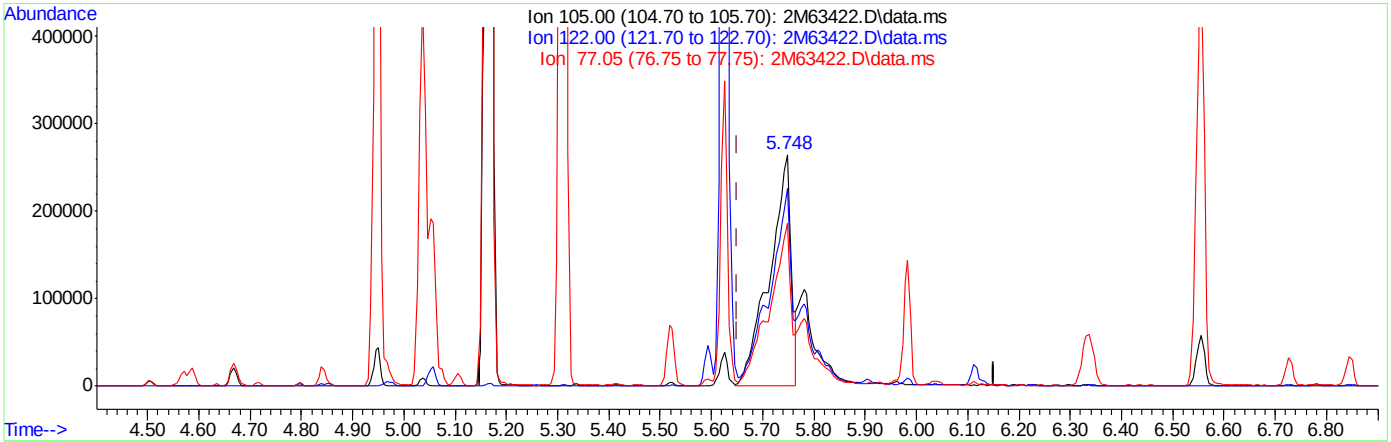
Sample Number:	E2M2693-IC2693	**Method:**	SW846 8270D
Lab FileID:	2M63422.D	**Analyst approved:**	05/14/14 15:18 Olga Azarihn
Injection Time:	05/13/14 15:42	**Supervisor approved:**	05/14/14 16:49 Nina Pandya

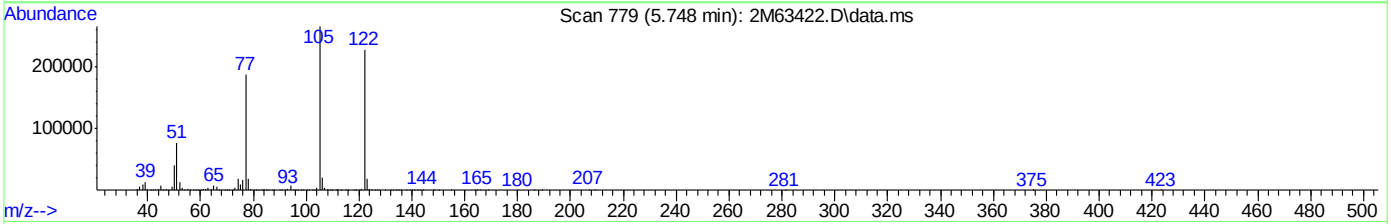
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.75	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		16.08	Poor instrument integration

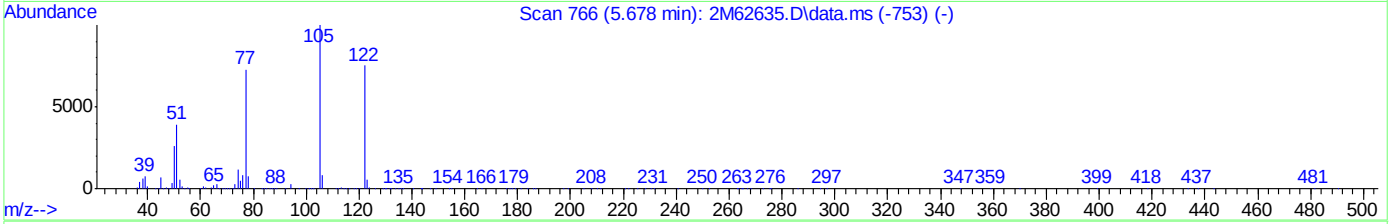
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:23:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration







TIC: 2M63422.D\data.ms

(31) Benzoic acid (t)

5.748min (+0.097) 91.61ppb

response 777233

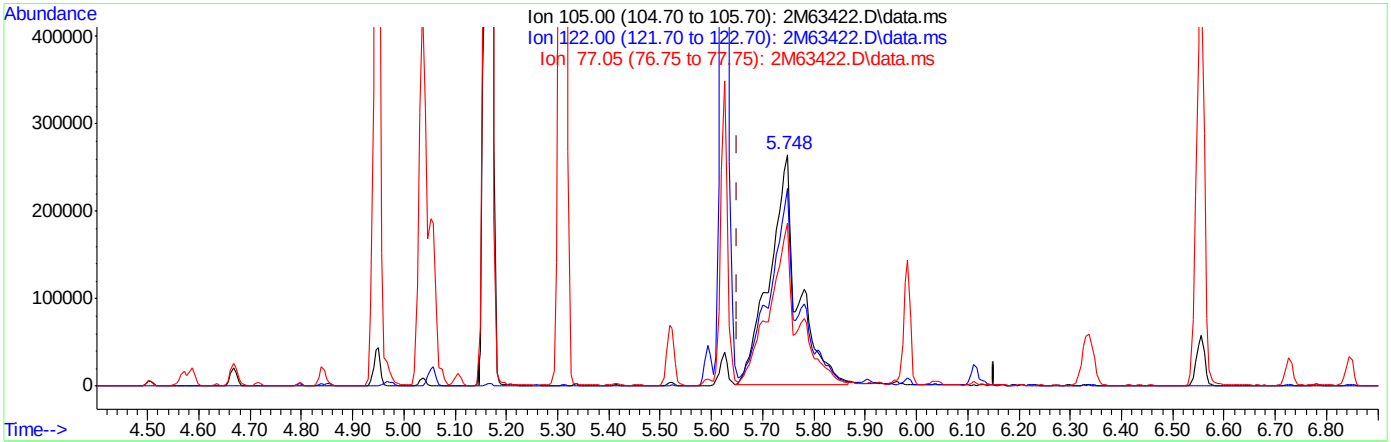
Ion	Exp%	Act%
105.00	100	100
122.00	76.90	80.09
77.05	73.50	69.14
0.00	0.00	0.00

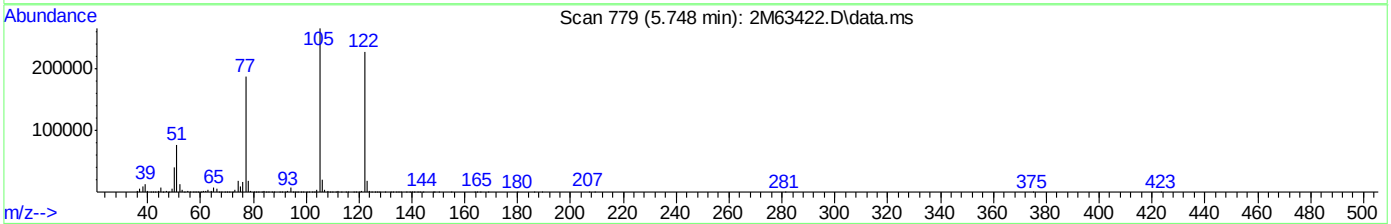
ACCUTEST LABORATORIES JB67744

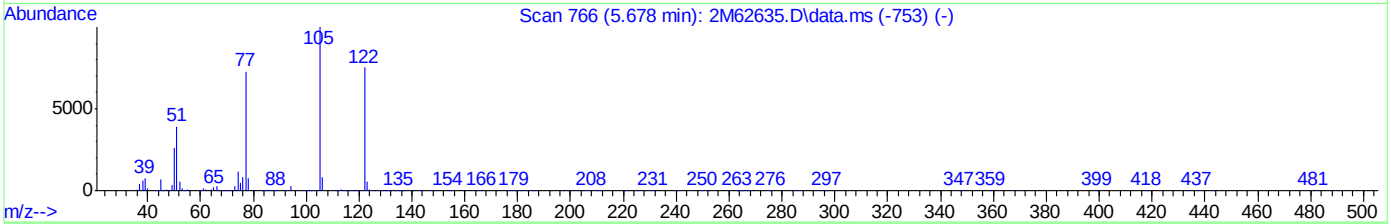
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:23:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration







TIC: 2M63422.D\data.ms

(31) Benzoic acid (t)

5.748min (+0.097) 120.52ppb m

response 1022574

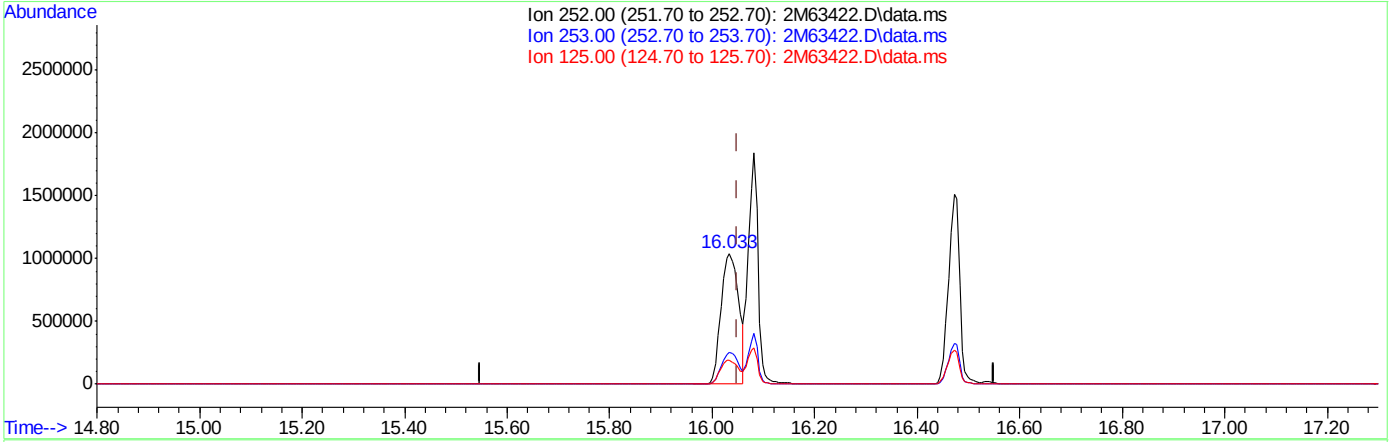
Ion	Exp%	Act%
105.00	100	100
122.00	76.90	85.50
77.05	73.50	70.38
0.00	0.00	0.00

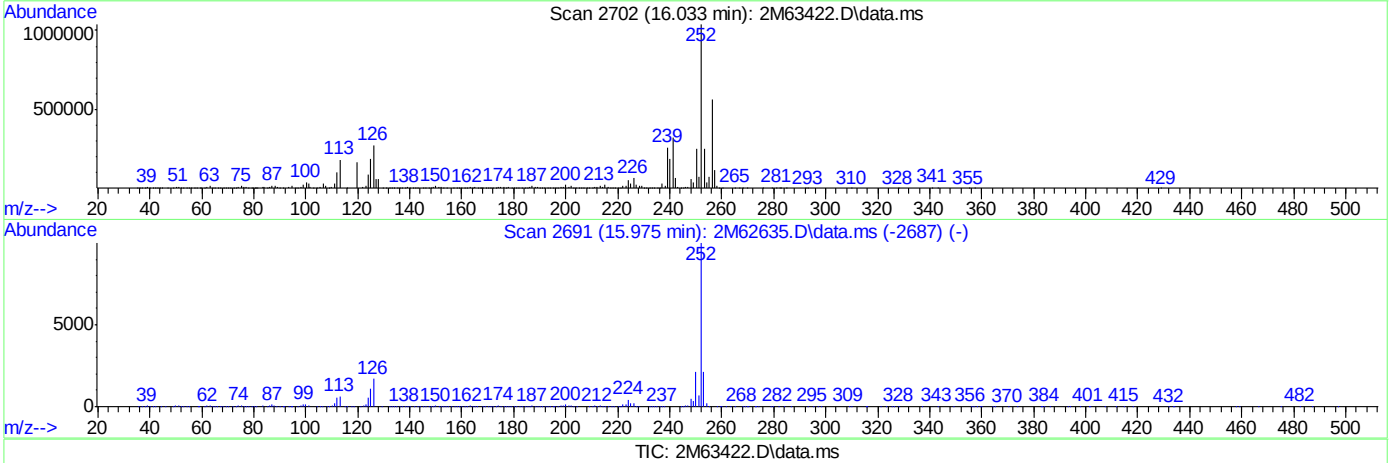
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:23:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration





TIC: 2M63422.D\data.ms

(95) Benzo[k]fluoranthene (t)

16.033min (-0.016) 84.69ppb

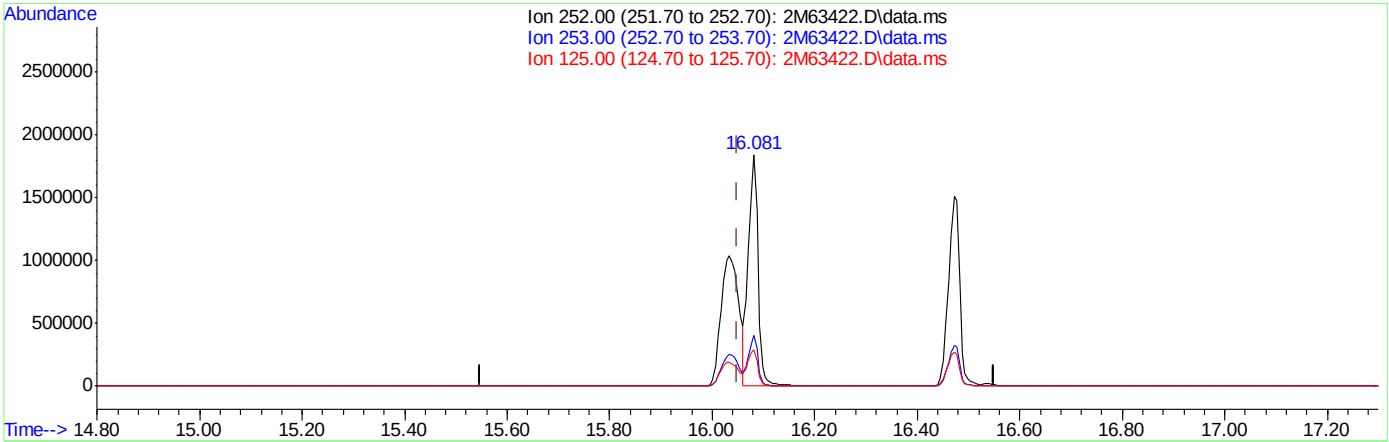
response 2505966

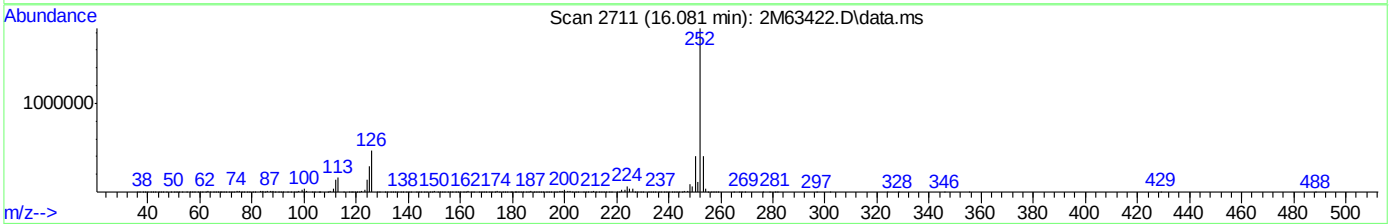
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	24.67
125.00	10.80	17.27
0.00	0.00	0.00

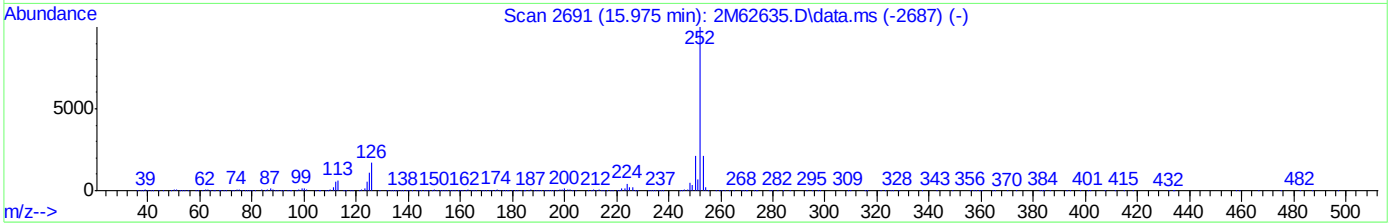
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63422.D
Acq On : 13 May 2014 3:42 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:23:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 15:36:48 2014
QLast Update : Tue May 13 15:36:48 2014
Response via : Initial Calibration







TIC: 2M63422.D\data.ms

(95) Benzo[k]fluoranthene (t)

16.081min (+0.032) 80.93ppb m

response 2394727

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	21.92
125.00	10.80	15.83
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63423.D
Acq On : 13 May 2014 4:07 pm
Operator : olgaa
Sample : icc2693-50
Misc : op74725,E2M2693,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 16:43:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 16:30:56 2014
QLast Update : Tue May 13 16:30:56 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	393216	40.00	ppb		0.00
24) Naphthalene-d8	5.957	136	1600074	40.00	ppb		0.00
47) Acenaphthene-d10	8.064	164	855434	40.00	ppb		0.00
69) Phenanthrene-d10	10.246	188	1269744	40.00	ppb		0.00
83) Chrysene-d12	14.434	240	990006	40.00	ppb		0.00
92) Perylene-d12	16.542	264	880228	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	393216	40.00	ppb		0.00
104) Acenaphthene-d10a	8.064	164	855434	40.00	ppb		0.00
107) Chrysene-d12a	14.434	240	990006	40.00	ppb		0.00
110) Phenanthrene-d10a	10.246	188	1269744	40.00	ppb		0.00
113) Naphthalene-d8a	5.957	136	1600074	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.849	112	719011	51.65	ppb		0.00
Spiked Amount 50.000			Recovery =	103.30%			
8) Phenol-d5	4.555	99	887029	52.67	ppb		0.00
Spiked Amount 50.000			Recovery =	105.34%			
25) Nitrobenzene-d5	5.288	82	713831	53.52	ppb		0.00
Spiked Amount 50.000			Recovery =	107.04%			
51) 2-Fluorobiphenyl	7.171	172	1250660	52.64	ppb		0.00
Spiked Amount 50.000			Recovery =	105.28%			
73) 2,4,6-Tribromophenol	9.198	330	104955	56.10	ppb		0.00
Spiked Amount 50.000			Recovery =	112.20%			
85) Terphenyl-d14	12.803	244	1025155	53.65	ppb		0.00
Spiked Amount 50.000			Recovery =	107.30%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb		
109) 1-chlorooctadecane	0.000	57	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%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.416	88	333648	45.93	ppb		96
3) Pyridine	2.726	79	837606	49.21	ppb		84
4) N-Nitrosodimethylamine	2.694	74	489012	50.90	ppb	#	40
6) Indene	5.047	116	1222504	52.79	ppb		94
7) Cumene	4.240	105	1749593	49.89	ppb		95
9) Phenol	4.566	94	1016445	54.84	ppb	#	46
10) Aniline	4.582	93	1248885	59.00	ppb	#	57
11) bis(2-Chloroethyl)ether	4.630	93	702138	52.39	ppb		96
12) 2-Chlorophenol	4.678	128	765895	54.31	ppb		99
13) Decane	4.716	43	659991	52.03	ppb		79
14) 1,3-Dichlorobenzene	4.796	146	813865	52.98	ppb		99
15) 1,4-Dichlorobenzene	4.855	146	805470	52.60	ppb		98
16) Benzyl alcohol	4.946	108	523731	54.05	ppb		76
17) 1,2-Dichlorobenzene	4.978	146	748487	54.05	ppb		99
18) Acetophenone	5.160	105	922779	51.59	ppb		98
19) 2-Methylphenol	5.031	108	705135	56.49	ppb		93
20) 2,2'-oxybis(1-Chloropr...	5.053	45	802233	54.24	ppb	#	66
21) 3&4-Methylphenol	5.154	108	672992	58.10	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63423.D
Acq On : 13 May 2014 4:07 pm
Operator : olgaa
Sample : icc2693-50
Misc : op74725,E2M2693,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 16:43:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 16:30:56 2014
QLast Update : Tue May 13 16:30:56 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.160	70	414567	52.57	ppb		81
23) Hexachloroethane	5.256	201	214066	53.91	ppb	#	70
26) Nitrobenzene	5.304	77	747395	54.33	ppb		98
27) Quinoline	6.326	129	1501395	49.18	ppb		97
28) Isophorone	5.513	82	1350949	54.28	ppb		86
29) 2-Nitrophenol	5.588	139	396192	56.36	ppb		86
30) 2,4-Dimethylphenol	5.620	107	697422	61.24	ppb		95
31) Benzoic acid	5.721	105	498635	59.39	ppb		96
32) bis(2-Chloroethoxy)met...	5.705	93	787956	52.90	ppb		99
33) 2,4-Dichlorophenol	5.812	162	545847	55.21	ppb		97
34) 2,6-Dichlorophenol	6.037	162	528497	55.13	ppb		98
35) 1,3,5-Trichlorobenzene	5.604	180	599620	50.55	ppb		98
36) 1,2,4-Trichlorobenzene	5.903	180	573314	53.60	ppb		97
37) 1,2,3-Trichlorobenzene	6.128	180	566866	50.36	ppb		98
38) Naphthalene	5.978	128	2167337	53.38	ppb		99
39) 4-Chloroaniline	6.026	127	918158	57.35	ppb		96
40) 2,3-Dichloroaniline	7.064	161	631749	50.67	ppb		98
41) Caprolactam	6.395	55	301870	50.30	ppb		94
42) Hexachlorobutadiene	6.112	225	239336	54.66	ppb		98
43) 4-Chloro-3-methylphenol	6.545	107	602035	56.37	ppb		99
44) 2-Methylnaphthalene	6.727	141	1190887	54.31	ppb		94
45) 1-Methylnaphthalene	6.845	142	1401883	51.12	ppb		93
46) Dimethylnaphthalene	7.502	156	1198494	52.00	ppb		93
48) Hexachlorocyclopentadiene	6.925	237	483875	113.66	ppb		97
49) 2,4,6-Trichlorophenol	7.069	196	317372	57.41	ppb		99
50) 2,4,5-Trichlorophenol	7.112	196	350932	54.90	ppb		98
52) 2-Chloronaphthalene	7.321	162	1201832	54.44	ppb		97
53) Biphenyl	7.299	154	1642071	51.99	ppb		98
54) 2-Nitroaniline	7.449	65	363170	57.41	ppb		88
55) Dimethylphthalate	7.706	163	1272650	53.18	ppb		97
56) Acenaphthylene	7.866	152	2060996	55.34	ppb		100
57) 2,6-Dinitrotoluene	7.775	165	308094	58.71	ppb		95
58) 3-Nitroaniline	8.005	138	416476	60.92	ppb		97
59) Acenaphthene	8.107	153	1233060	53.58	ppb		95
60) 2,4-Dinitrophenol	8.150	184	329116	127.68	ppb	#	51
61) 4-Nitrophenol	8.251	109	166086	60.04	ppb	#	51
62) Dibenzofuran	8.348	168	1608249	54.44	ppb		99
63) 2,4-Dinitrotoluene	8.337	165	401665	62.38	ppb		88
64) 2,3,4,6-Tetrachlorophenol	8.535	232	240371	57.95	ppb		90
65) Diethylphthalate	8.717	149	1275665	54.03	ppb		99
66) Fluorene	8.845	166	1294553	54.63	ppb		98
67) 4-Chlorophenyl-phenyle...	8.861	204	508164	54.25	ppb		96
68) 4-Nitroaniline	8.882	138	417431	58.79	ppb		78
70) 4,6-Dinitro-2-methylph...	8.931	198	207848	62.59	ppb	#	78
71) n-Nitrosodiphenylamine	9.037	169	877236	54.19	ppb		98
72) 1,2-Diphenylhydrazine	9.091	77	1442228	56.28	ppb		89
74) 4-Bromophenyl-phenylether	9.588	248	248018	53.24	ppb		92
75) Hexachlorobenzene	9.674	284	257426	52.51	ppb		88
76) Pentachlorophenol	9.979	266	345238	120.95	ppb		99
77) Phenanthrene	10.284	178	1863305	53.10	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63423.D
Acq On : 13 May 2014 4:07 pm
Operator : olgaa
Sample : icc2693-50
Misc : op74725,E2M2693,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 16:43:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 16:30:56 2014
QLast Update : Tue May 13 16:30:56 2014
Response via : Initial Calibration

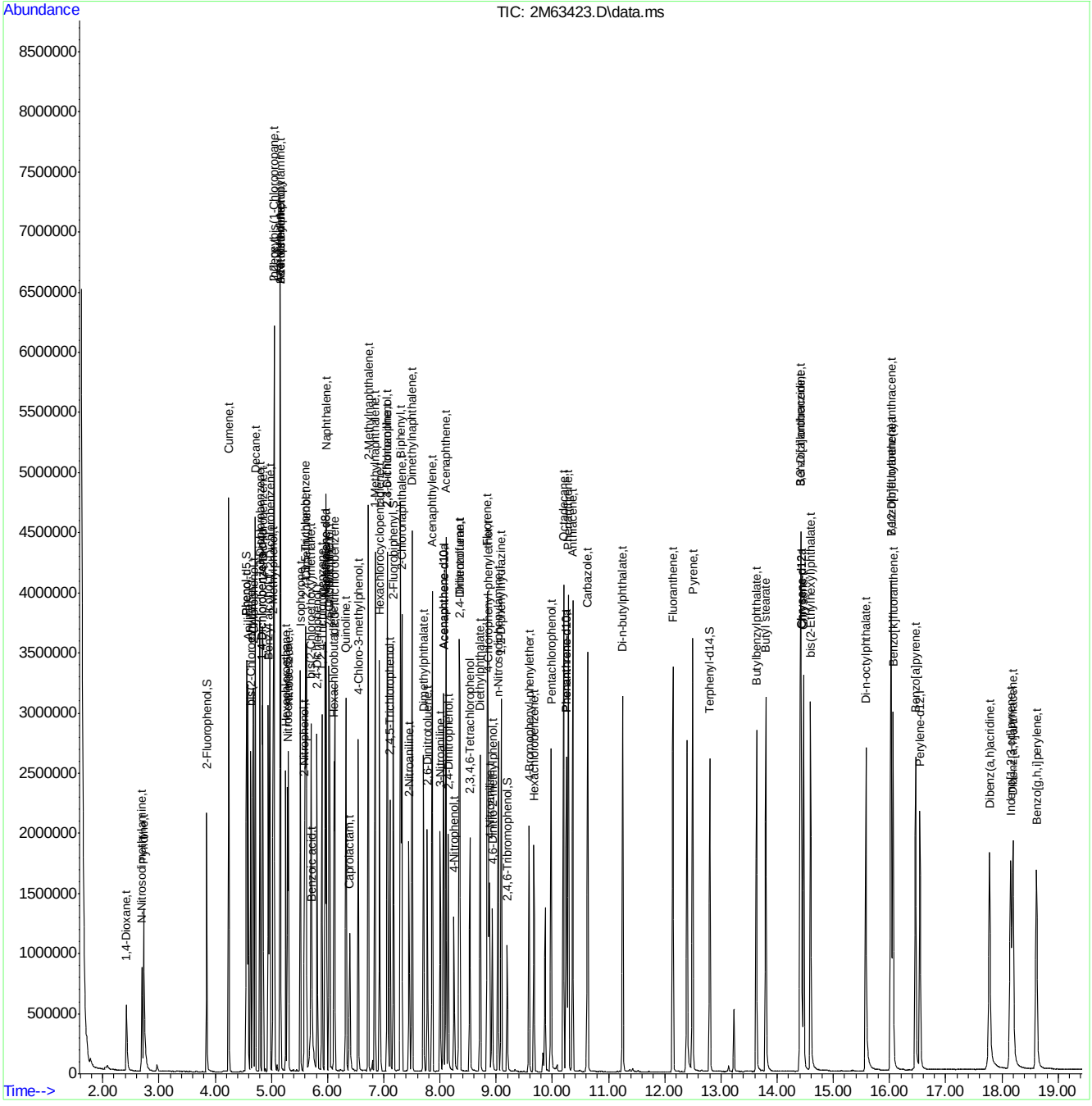
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.364	178	1927411	55.71	ppb	100
79) Carbazole	10.626	167	1857398	51.46	ppb	99
80) Di-n-butylphthalate	11.252	149	2193954	56.88	ppb	98
81) Fluoranthene	12.145	202	1730407	55.36	ppb	91
82) Octadecane	10.198	57	885040	55.70	ppb	84
84) Pyrene	12.498	202	1840724	54.43	ppb	98
86) Butylbenzylphthalate	13.632	149	944835	56.41	ppb	97
87) Butyl stearate	13.798	56	603792	66.40	ppb	83
88) Benzo[a]anthracene	14.413	228	1383793	53.19	ppb	98
89) 3,3'-Dichlorobenzidine	14.418	252	462204	58.60	ppb	97
90) Chrysene	14.472	228	1396816	52.54	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.595	149	1294412	58.05	ppb	95
93) Di-n-octylphthalate	15.579	149	2186995	60.84	ppb	95
94) Benzo[b]fluoranthene	16.023	252	1323846	54.53	ppb	94
95) Benzo[k]fluoranthene	16.066	252	1379742	54.48	ppb	93
96) Benzo[a]pyrene	16.461	252	1244918	56.43	ppb	91
97) Indeno[1,2,3-cd]pyrene	18.157	276	1449449	54.15	ppb	69
98) Dibenz(a,h)acridine	17.783	279	1114295	48.59	ppb	99
99) Dibenz[a,h]anthracene	18.200	278	1274481	55.57	ppb	89
100) 7,12-Dimethylbenz(a)an...	16.028	256	645992	62.46	ppb	98
101) Benzo[g,h,i]perylene	18.622	276	1174819	53.90	ppb	81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63423.D
Acq On : 13 May 2014 4:07 pm
Operator : olgaa
Sample : icc2693-50
Misc : op74725,E2M2693,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 16:43:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 13 16:30:56 2014
QLast Update : Tue May 13 16:30:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63424.D
Acq On : 13 May 2014 4:42 pm
Operator : olgaa
Sample : ic2693-25
Misc : op74725,E2M2693,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 09:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:23:54 2014
QLast Update : Wed May 14 09:23:54 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	401013	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1605350	40.00	ppb	0.00
47) Acenaphthene-d10	8.064	164	858818	40.00	ppb	0.00
69) Phenanthrene-d10	10.252	188	1277816	40.00	ppb	0.00
83) Chrysene-d12	14.429	240	1019987	40.00	ppb	0.00
92) Perylene-d12	16.542	264	871227	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	401013	40.00	ppb	0.00
104) Acenaphthene-d10a	8.064	164	858818	40.00	ppb	0.00
107) Chrysene-d12a	14.429	240	1019987	40.00	ppb	0.00
110) Phenanthrene-d10a	10.252	188	1277816	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1605350	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.844	112	379817	26.53	ppb	0.00
Spiked Amount 50.000			Recovery = 53.06%			
8) Phenol-d5	4.550	99	474650	27.27	ppb	0.00
Spiked Amount 50.000			Recovery = 54.54%			
25) Nitrobenzene-d5	5.288	82	376692	27.66	ppb	0.00
Spiked Amount 50.000			Recovery = 55.32%			
51) 2-Fluorobiphenyl	7.176	172	678128	28.06	ppb	0.00
Spiked Amount 50.000			Recovery = 56.12%			
73) 2,4,6-Tribromophenol	9.198	330	51679	26.64	ppb	0.00
Spiked Amount 50.000			Recovery = 53.28%			
85) Terphenyl-d14	12.803	244	541801	27.03	ppb	0.00
Spiked Amount 50.000			Recovery = 54.06%			
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.416	88	171645	23.65	ppb	99
3) Pyridine	2.726	79	434947	25.16	ppb	99
4) N-Nitrosodimethylamine	2.694	74	258825	26.30	ppb	100
6) Indene	5.047	116	682510	28.50	ppb	99
7) Cumene	4.240	105	968692	27.10	ppb	99
9) Phenol	4.561	94	551301	28.48	ppb	98
10) Aniline	4.582	93	669050	29.66	ppb	99
11) bis(2-Chloroethyl)ether	4.630	93	378646	27.38	ppb	99
12) 2-Chlorophenol	4.678	128	412430	28.07	ppb	99
13) Decane	4.716	43	369007	28.24	ppb	99
14) 1,3-Dichlorobenzene	4.796	146	443152	27.87	ppb	99
15) 1,4-Dichlorobenzene	4.855	146	440014	27.82	ppb	99
16) Benzyl alcohol	4.940	108	279873	27.76	ppb	97
17) 1,2-Dichlorobenzene	4.978	146	415382	28.83	ppb	98
18) Acetophenone	5.160	105	524753	28.54	ppb	94
19) 2-Methylphenol	5.031	108	379155	28.85	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.053	45	452746	29.39	ppb	100
21) 3&4-Methylphenol	5.154	108	372838	30.33	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63424.D
Acq On : 13 May 2014 4:42 pm
Operator : olgaa
Sample : ic2693-25
Misc : op74725,E2M2693,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 09:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:23:54 2014
QLast Update : Wed May 14 09:23:54 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.160	70	239335	29.38	ppb	97
23) Hexachloroethane	5.261	201	114934	27.84	ppb	90
26) Nitrobenzene	5.304	77	401571	28.48	ppb	99
27) Quinoline	6.320	129	795105	26.07	ppb	100
28) Isophorone	5.513	82	717730	28.14	ppb	98
29) 2-Nitrophenol	5.588	139	207208	28.48	ppb	97
30) 2,4-Dimethylphenol	5.620	107	374448	31.03	ppb	99
31) Benzoic acid	5.705	105	228179	25.87	ppb	96
32) bis(2-Chloroethoxy)met...	5.705	93	427888	28.22	ppb	99
33) 2,4-Dichlorophenol	5.812	162	293543	28.84	ppb	99
34) 2,6-Dichlorophenol	6.037	162	287241	29.12	ppb	98
35) 1,3,5-Trichlorobenzene	5.604	180	320116	26.82	ppb	98
36) 1,2,4-Trichlorobenzene	5.903	180	308322	28.22	ppb	99
37) 1,2,3-Trichlorobenzene	6.128	180	304129	26.88	ppb	97
38) Naphthalene	5.978	128	1180269	28.49	ppb	100
39) 4-Chloroaniline	6.026	127	498926	29.96	ppb	99
40) 2,3-Dichloroaniline	7.064	161	351375	28.00	ppb	100
41) Caprolactam	6.379	55	154865	25.68	ppb	99
42) Hexachlorobutadiene	6.112	225	129652	28.84	ppb	98
43) 4-Chloro-3-methylphenol	6.545	107	314919	28.48	ppb	99
44) 2-Methylnaphthalene	6.727	141	656502	29.21	ppb	99
45) 1-Methylnaphthalene	6.845	142	765381	27.66	ppb	100
46) Dimethylnaphthalene	7.502	156	661422	28.32	ppb	99
48) Hexachlorocyclopentadiene	6.925	237	254573	57.59	ppb	99
49) 2,4,6-Trichlorophenol	7.069	196	168320	29.24	ppb	99
50) 2,4,5-Trichlorophenol	7.112	196	181749	27.64	ppb	98
52) 2-Chloronaphthalene	7.321	162	655524	28.93	ppb	100
53) Biphenyl	7.299	154	887030	27.70	ppb	100
54) 2-Nitroaniline	7.449	65	188155	28.57	ppb	99
55) Dimethylphthalate	7.706	163	670519	27.47	ppb	100
56) Acenaphthylene	7.866	152	1106435	28.82	ppb	99
57) 2,6-Dinitrotoluene	7.775	165	157852	28.71	ppb	96
58) 3-Nitroaniline	8.000	138	213130	29.44	ppb	94
59) Acenaphthene	8.107	153	670827	28.52	ppb	99
60) 2,4-Dinitrophenol	8.144	184	145264	52.50	ppb	94
61) 4-Nitrophenol	8.251	109	81776	28.04	ppb	98
62) Dibenzofuran	8.348	168	887938	29.29	ppb	100
63) 2,4-Dinitrotoluene	8.337	165	211915	30.87	ppb	98
64) 2,3,4,6-Tetrachlorophenol	8.535	232	124619	28.78	ppb	99
65) Diethylphthalate	8.717	149	680941	28.16	ppb	100
66) Fluorene	8.845	166	710288	29.18	ppb	99
67) 4-Chlorophenyl-phenyle...	8.861	204	276174	28.76	ppb	98
68) 4-Nitroaniline	8.877	138	220337	29.61	ppb	98
70) 4,6-Dinitro-2-methylph...	8.925	198	97857	27.55	ppb	95
71) n-Nitrosodiphenylamine	9.032	169	465590	27.99	ppb	98
72) 1,2-Diphenylhydrazine	9.091	77	778247	29.26	ppb	100
74) 4-Bromophenyl-phenylether	9.588	248	131164	27.53	ppb	97
75) Hexachlorobenzene	9.674	284	136244	27.27	ppb	97
76) Pentachlorophenol	9.974	266	174014	57.56	ppb	99
77) Phenanthrene	10.284	178	1005276	28.03	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63424.D
Acq On : 13 May 2014 4:42 pm
Operator : olgaa
Sample : ic2693-25
Misc : op74725,E2M2693,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 09:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:23:54 2014
QLast Update : Wed May 14 09:23:54 2014
Response via : Initial Calibration

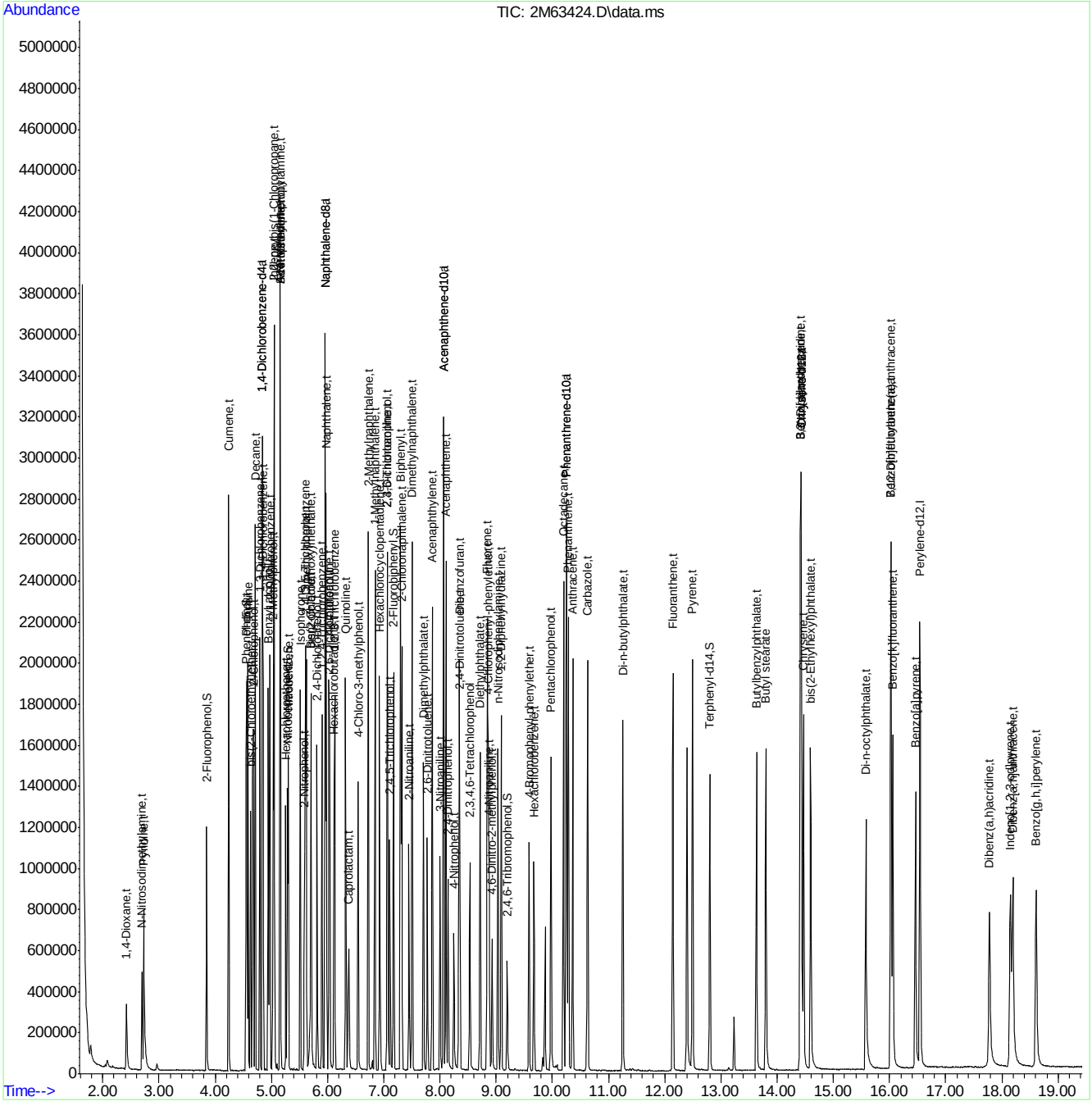
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.364	178	1035334	28.91	ppb	99
79) Carbazole	10.626	167	995105	27.20	ppb	100
80) Di-n-butylphthalate	11.257	149	1144334	28.50	ppb	99
81) Fluoranthene	12.145	202	914966	28.33	ppb	100
82) Octadecane	10.198	57	483583	29.40	ppb	98
84) Pyrene	12.493	202	985912	27.68	ppb	99
86) Butylbenzylphthalate	13.632	149	476885	26.78	ppb	100
87) Butyl stearate	13.798	56	303810	29.97	ppb	99
88) Benzo[a]anthracene	14.413	228	744592	27.34	ppb	100
89) 3,3'-Dichlorobenzidine	14.413	252	235511	27.79	ppb	97
90) Chrysene	14.472	228	744218	26.83	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.595	149	648666	27.14	ppb	100
93) Di-n-octylphthalate	15.579	149	1042040	27.78	ppb	100
94) Benzo[b]fluoranthene	16.017	252	677078	27.56	ppb	98
95) Benzo[k]fluoranthene	16.060	252	739419	28.85	ppb	99
96) Benzo[a]pyrene	16.461	252	623763	27.68	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.152	276	708163	26.19	ppb	99
98) Dibenz(a,h)acridine	17.783	279	528307	23.44	ppb	99
99) Dibenz[a,h]anthracene	18.194	278	612187	26.24	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.023	256	338226	31.10	ppb	99
101) Benzo[g,h,i]perylene	18.612	276	574651	26.13	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63424.D
Acq On : 13 May 2014 4:42 pm
Operator : olgaa
Sample : ic2693-25
Misc : op74725,E2M2693,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 09:24:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:23:54 2014
QLast Update : Wed May 14 09:23:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63425.D
Acq On : 13 May 2014 5:08 pm
Operator : olgaa
Sample : ic2693-10
Misc : op74725,E2M2693,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 09:53:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:24:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	487397	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1966260	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	1043289	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1575015	40.00	ppb	0.00
83) Chrysene-d12	14.429	240	1291495	40.00	ppb	0.00
92) Perylene-d12	16.542	264	1059200	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	487397	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	1043289	40.00	ppb	0.00
107) Chrysene-d12a	14.429	240	1291495	40.00	ppb	0.00
110) Phenanthrene-d10a	10.246	188	1575015	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1966260	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.844	112	184974	10.50	ppb	0.00
Spiked Amount 50.000			Recovery =	21.00%		
8) Phenol-d5	4.550	99	229946	10.68	ppb	0.00
Spiked Amount 50.000			Recovery =	21.36%		
25) Nitrobenzene-d5	5.288	82	185393	10.88	ppb	0.00
Spiked Amount 50.000			Recovery =	21.76%		
51) 2-Fluorobiphenyl	7.171	172	335546	11.16	ppb	0.00
Spiked Amount 50.000			Recovery =	22.32%		
73) 2,4,6-Tribromophenol	9.193	330	23615	9.75	ppb	0.00
Spiked Amount 50.000			Recovery =	19.50%		
85) Terphenyl-d14	12.798	244	262831	10.19	ppb	0.00
Spiked Amount 50.000			Recovery =	20.38%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.421	88	95602	10.96	ppb	98
3) Pyridine	2.731	79	243416	11.57	ppb	99
4) N-Nitrosodimethylamine	2.694	74	125854	10.41	ppb	94
6) Indene	5.047	116	396408	13.25	ppb	97
7) Cumene	4.240	105	544688	12.33	ppb	99
9) Phenol	4.561	94	273169	11.30	ppb	99
10) Aniline	4.582	93	307218	10.80	ppb	99
11) bis(2-Chloroethyl)ether	4.625	93	194211	11.34	ppb	98
12) 2-Chlorophenol	4.673	128	203708	11.13	ppb	96
13) Decane	4.716	43	207942	12.76	ppb	98
14) 1,3-Dichlorobenzene	4.796	146	221898	11.22	ppb	100
15) 1,4-Dichlorobenzene	4.850	146	224186	11.40	ppb	97
16) Benzyl alcohol	4.940	108	133564	10.66	ppb	97
17) 1,2-Dichlorobenzene	4.973	146	209416	11.60	ppb	97
18) Acetophenone	5.154	105	306402	13.33	ppb	100
19) 2-Methylphenol	5.026	108	188468	11.45	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.047	45	233240	12.03	ppb	98
21) 3&4-Methylphenol	5.149	108	193389	12.42	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63425.D
Acq On : 13 May 2014 5:08 pm
Operator : olgaa
Sample : ic2693-10
Misc : op74725,E2M2693,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 09:53:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:24:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.154	70	126496	12.34	ppb	99
23) Hexachloroethane	5.256	201	58127	11.33	ppb	97
26) Nitrobenzene	5.304	77	195713	11.03	ppb	95
27) Quinoline	6.315	129	446551	11.85	ppb	99
28) Isophorone	5.507	82	355712	11.11	ppb	99
29) 2-Nitrophenol	5.588	139	97009	10.59	ppb	96
30) 2,4-Dimethylphenol	5.614	107	165683	10.69	ppb	96
31) Benzoic acid	5.684	105	98592	9.06	ppb	99
32) bis(2-Chloroethoxy)met...	5.705	93	216338	11.36	ppb	99
33) 2,4-Dichlorophenol	5.812	162	139944	10.89	ppb	97
34) 2,6-Dichlorophenol	6.037	162	140504	11.26	ppb	97
35) 1,3,5-Trichlorobenzene	5.604	180	187239	12.63	ppb	98
36) 1,2,4-Trichlorobenzene	5.898	180	152555	11.11	ppb	98
37) 1,2,3-Trichlorobenzene	6.128	180	173307	12.32	ppb	98
38) Naphthalene	5.978	128	599738	11.50	ppb	99
39) 4-Chloroaniline	6.021	127	240191	11.33	ppb	99
40) 2,3-Dichloroaniline	7.059	161	201240	12.78	ppb	98
41) Caprolactam	6.358	55	83554	11.25	ppb	97
42) Hexachlorobutadiene	6.112	225	64772	11.41	ppb	98
43) 4-Chloro-3-methylphenol	6.540	107	153052	11.00	ppb	98
44) 2-Methylnaphthalene	6.722	141	325978	11.46	ppb	99
45) 1-Methylnaphthalene	6.839	142	430003	12.42	ppb	99
46) Dimethylnaphthalene	7.497	156	375438	12.79	ppb	98
48) Hexachlorocyclopentadiene	6.925	237	122216	22.09	ppb	98
49) 2,4,6-Trichlorophenol	7.064	196	83673	11.57	ppb	98
50) 2,4,5-Trichlorophenol	7.107	196	88814	10.89	ppb	94
52) 2-Chloronaphthalene	7.315	162	326569	11.50	ppb	99
53) Biphenyl	7.294	154	509117	12.81	ppb	98
54) 2-Nitroaniline	7.444	65	86949	10.57	ppb	96
55) Dimethylphthalate	7.700	163	339364	11.22	ppb	100
56) Acenaphthylene	7.861	152	554527	11.54	ppb	99
57) 2,6-Dinitrotoluene	7.770	165	73282	10.66	ppb	96
58) 3-Nitroaniline	7.995	138	97923	10.75	ppb	95
59) Acenaphthene	8.101	153	336446	11.45	ppb	100
60) 2,4-Dinitrophenol	8.139	184	55424	16.33	ppb	80
61) 4-Nitrophenol	8.241	109	36645	10.10	ppb	98
62) Dibenzofuran	8.348	168	445408	11.69	ppb	99
63) 2,4-Dinitrotoluene	8.331	165	99957	11.45	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.529	232	59309	10.95	ppb	95
65) Diethylphthalate	8.711	149	339857	11.28	ppb	100
66) Fluorene	8.840	166	358245	11.72	ppb	100
67) 4-Chlorophenyl-phenyle...	8.856	204	140803	11.72	ppb	96
68) 4-Nitroaniline	8.866	138	103987	11.09	ppb	97
70) 4,6-Dinitro-2-methylph...	8.920	198	39986	8.95	ppb	98
71) n-Nitrosodiphenylamine	9.027	169	236227	11.25	ppb	97
72) 1,2-Diphenylhydrazine	9.086	77	378056	11.15	ppb	99
74) 4-Bromophenyl-phenylether	9.583	248	64710	10.80	ppb	96
75) Hexachlorobenzene	9.669	284	65023	10.37	ppb	96
76) Pentachlorophenol	9.974	266	81251	21.17	ppb	98
77) Phenanthrene	10.278	178	510006	11.26	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63425.D
Acq On : 13 May 2014 5:08 pm
Operator : olgaa
Sample : ic2693-10
Misc : op74725,E2M2693,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 09:53:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:24:52 2014
Response via : Initial Calibration

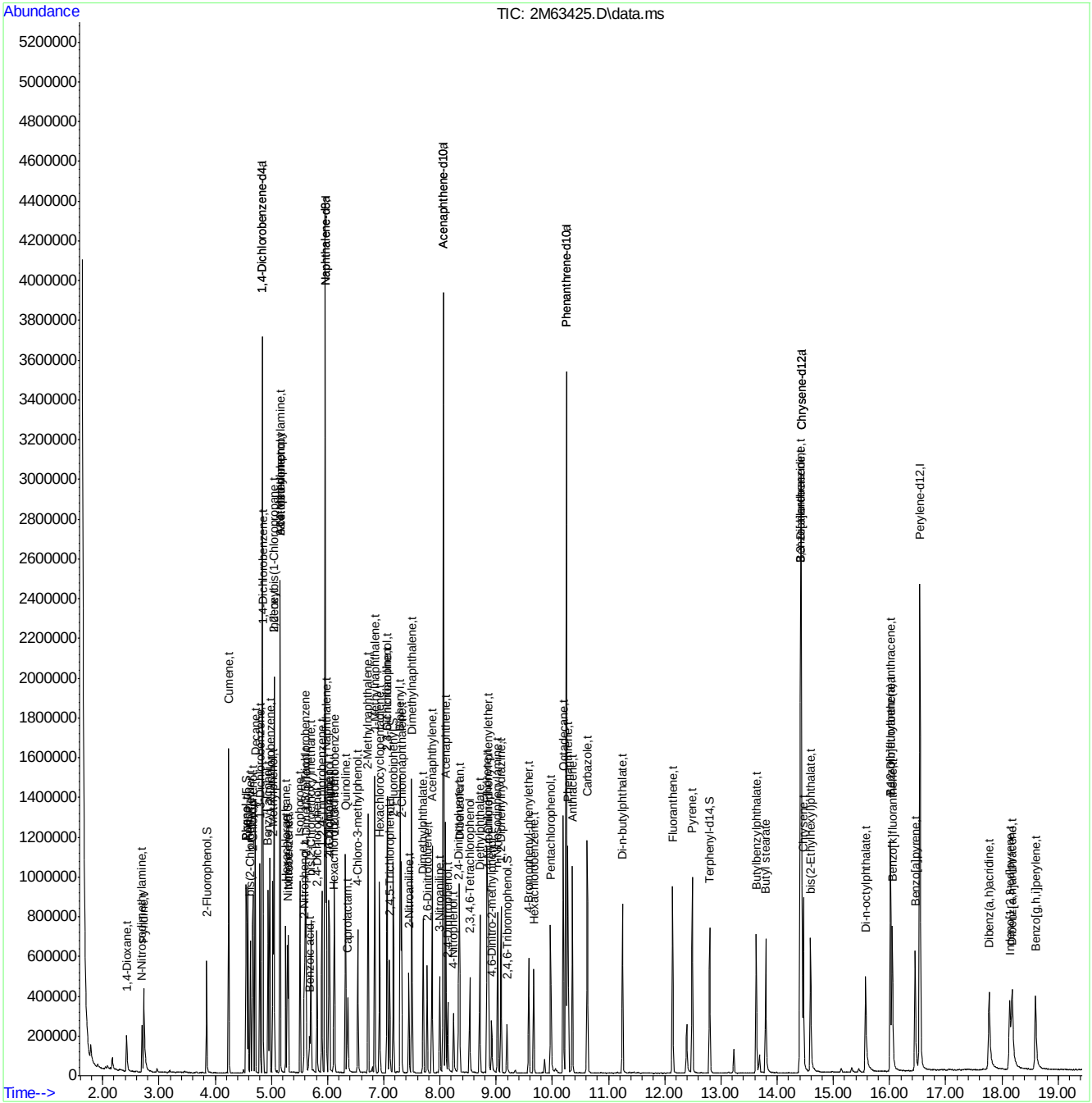
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.359	178	509392	11.19	ppb	99
79) Carbazole	10.621	167	563697	12.28	ppb	99
80) Di-n-butylphthalate	11.252	149	553143	10.87	ppb	99
81) Fluoranthene	12.140	202	452300	11.07	ppb	99
82) Octadecane	10.193	57	264664	12.61	ppb	99
84) Pyrene	12.493	202	489017	10.62	ppb	99
86) Butylbenzylphthalate	13.627	149	221567	9.69	ppb	97
87) Butyl stearate	13.798	56	132887	9.96	ppb	100
88) Benzo[a]anthracene	14.413	228	368486	10.49	ppb	100
89) 3,3'-Dichlorobenzidine	14.413	252	111263	10.14	ppb	98
90) Chrysene	14.466	228	368331	10.34	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.595	149	296058	9.62	ppb	98
93) Di-n-octylphthalate	15.574	149	453887	9.74	ppb	99
94) Benzo[b]fluoranthene	16.012	252	319718	10.49	ppb	96
95) Benzo[k]fluoranthene	16.055	252	362134	11.28	ppb	99
96) Benzo[a]pyrene	16.456	252	280235	10.01	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.141	276	324562	9.78	ppb	97
98) Dibenz(a,h)acridine	17.772	279	264285	9.77	ppb	97
99) Dibenz[a,h]anthracene	18.184	278	276485	9.65	ppb	94
100) 7,12-Dimethylbenz(a)an...	16.017	256	128134	9.24	ppb	98
101) Benzo[g,h,i]perylene	18.601	276	264600	9.81	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63425.D
Acq On : 13 May 2014 5:08 pm
Operator : olgaa
Sample : ic2693-10
Misc : op74725,E2M2693,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 09:53:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:24:52 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63426.D
Acq On : 13 May 2014 5:34 pm
Operator : olgaa
Sample : ic2693-5
Misc : op74725,E2M2693,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 09:57:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:53:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	493332	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1995552	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	1056467	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1611508	40.00	ppb	0.00
83) Chrysene-d12	14.429	240	1305926	40.00	ppb	0.00
92) Perylene-d12	16.542	264	1061355	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	493332	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	1056467	40.00	ppb	0.00
107) Chrysene-d12a	14.429	240	1305926	40.00	ppb	0.00
110) Phenanthrene-d10a	10.246	188	1611508	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1995552	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.844	112	96916	5.39	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.78%	
8) Phenol-d5	4.550	99	121142	5.49	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.98%	
25) Nitrobenzene-d5	5.288	82	96362	5.49	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.98%	
51) 2-Fluorobiphenyl	7.171	172	181951	5.86	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.72%	
73) 2,4,6-Tribromophenol	9.193	330	11131	4.51	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.02%	
85) Terphenyl-d14	12.798	244	133809	5.11	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.22%	
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.421	88	51180	5.70	ppb	94
3) Pyridine	2.737	79	126781	5.80	ppb	99
4) N-Nitrosodimethylamine	2.699	74	65527	5.32	ppb	94
6) Indene	5.047	116	209002	6.55	ppb	96
7) Cumene	4.240	105	291860	6.28	ppb	99
9) Phenol	4.561	94	143993	5.76	ppb	100
10) Aniline	4.582	93	165527	5.67	ppb	99
11) bis(2-Chloroethyl)ether	4.625	93	103464	5.84	ppb	97
12) 2-Chlorophenol	4.673	128	109731	5.82	ppb	97
13) Decane	4.716	43	113802	6.60	ppb	99
14) 1,3-Dichlorobenzene	4.796	146	117780	5.77	ppb	99
15) 1,4-Dichlorobenzene	4.850	146	118625	5.83	ppb	99
16) Benzyl alcohol	4.940	108	69504	5.42	ppb	99
17) 1,2-Dichlorobenzene	4.973	146	111684	5.95	ppb	98
18) Acetophenone	5.154	105	164077	6.68	ppb	98
19) 2-Methylphenol	5.026	108	98439	5.77	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.047	45	125179	6.17	ppb	99
21) 3&4-Methylphenol	5.149	108	100629	6.14	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63426.D
Acq On : 13 May 2014 5:34 pm
Operator : olgaa
Sample : ic2693-5
Misc : op74725,E2M2693,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 09:57:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:53:52 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.154	70	67484	6.26	ppb	98
23) Hexachloroethane	5.256	201	30022	5.65	ppb	98
26) Nitrobenzene	5.304	77	101392	5.53	ppb	94
27) Quinoline	6.315	129	232432	5.90	ppb	98
28) Isophorone	5.507	82	185444	5.60	ppb	99
29) 2-Nitrophenol	5.588	139	49387	5.26	ppb	94
30) 2,4-Dimethylphenol	5.614	107	83393	5.24	ppb	99
31) Benzoic acid	5.668	105	40456	3.72	ppb	90
32) bis(2-Chloroethoxy)met...	5.705	93	113925	5.76	ppb	99
33) 2,4-Dichlorophenol	5.812	162	73108	5.52	ppb	97
34) 2,6-Dichlorophenol	6.037	162	74771	5.78	ppb	99
35) 1,3,5-Trichlorobenzene	5.604	180	98258	6.25	ppb	96
36) 1,2,4-Trichlorobenzene	5.898	180	81273	5.73	ppb	98
37) 1,2,3-Trichlorobenzene	6.128	180	93957	6.34	ppb	99
38) Naphthalene	5.978	128	316657	5.84	ppb	100
39) 4-Chloroaniline	6.021	127	125503	5.71	ppb	98
40) 2,3-Dichloroaniline	7.059	161	106143	6.35	ppb	98
41) Caprolactam	6.353	55	41028	5.33	ppb	95
42) Hexachlorobutadiene	6.112	225	34747	5.89	ppb	98
43) 4-Chloro-3-methylphenol	6.534	107	77733	5.41	ppb	96
44) 2-Methylnaphthalene	6.722	141	172135	5.82	ppb	99
45) 1-Methylnaphthalene	6.839	142	229187	6.27	ppb	98
46) Dimethylnaphthalene	7.497	156	196065	6.29	ppb	98
48) Hexachlorocyclopentadiene	6.925	237	59785	10.49	ppb	94
49) 2,4,6-Trichlorophenol	7.064	196	42384	5.64	ppb	98
50) 2,4,5-Trichlorophenol	7.101	196	44056	5.26	ppb	98
52) 2-Chloronaphthalene	7.315	162	173999	5.90	ppb	98
53) Biphenyl	7.294	154	270325	6.42	ppb	100
54) 2-Nitroaniline	7.444	65	41855	4.98	ppb	97
55) Dimethylphthalate	7.700	163	176625	5.65	ppb	99
56) Acenaphthylene	7.861	152	285728	5.72	ppb	99
57) 2,6-Dinitrotoluene	7.770	165	35337	5.02	ppb	95
58) 3-Nitroaniline	7.995	138	47445	5.08	ppb	96
59) Acenaphthene	8.102	153	180652	5.93	ppb	97
60) 2,4-Dinitrophenol	8.139	184	20038	6.01	ppb	92
61) 4-Nitrophenol	8.241	109	17150	4.66	ppb	98
62) Dibenzofuran	8.342	168	236747	5.97	ppb	98
63) 2,4-Dinitrotoluene	8.332	165	48534	5.36	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.529	232	29463	5.29	ppb	99
65) Diethylphthalate	8.706	149	177437	5.70	ppb	100
66) Fluorene	8.834	166	188825	5.93	ppb	100
67) 4-Chlorophenyl-phenyle...	8.856	204	73420	5.87	ppb	96
68) 4-Nitroaniline	8.861	138	51791	5.36	ppb	98
70) 4,6-Dinitro-2-methylph...	8.920	198	16098	3.58	ppb	99
71) n-Nitrosodiphenylamine	9.027	169	123033	5.61	ppb	100
72) 1,2-Diphenylhydrazine	9.086	77	197252	5.58	ppb	98
74) 4-Bromophenyl-phenylether	9.583	248	33000	5.31	ppb	96
75) Hexachlorobenzene	9.669	284	34934	5.41	ppb	98
76) Pentachlorophenol	9.968	266	38113	9.61	ppb	97
77) Phenanthrene	10.278	178	272246	5.76	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63426.D
Acq On : 13 May 2014 5:34 pm
Operator : olgaa
Sample : ic2693-5
Misc : op74725,E2M2693,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 09:57:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:53:52 2014
Response via : Initial Calibration

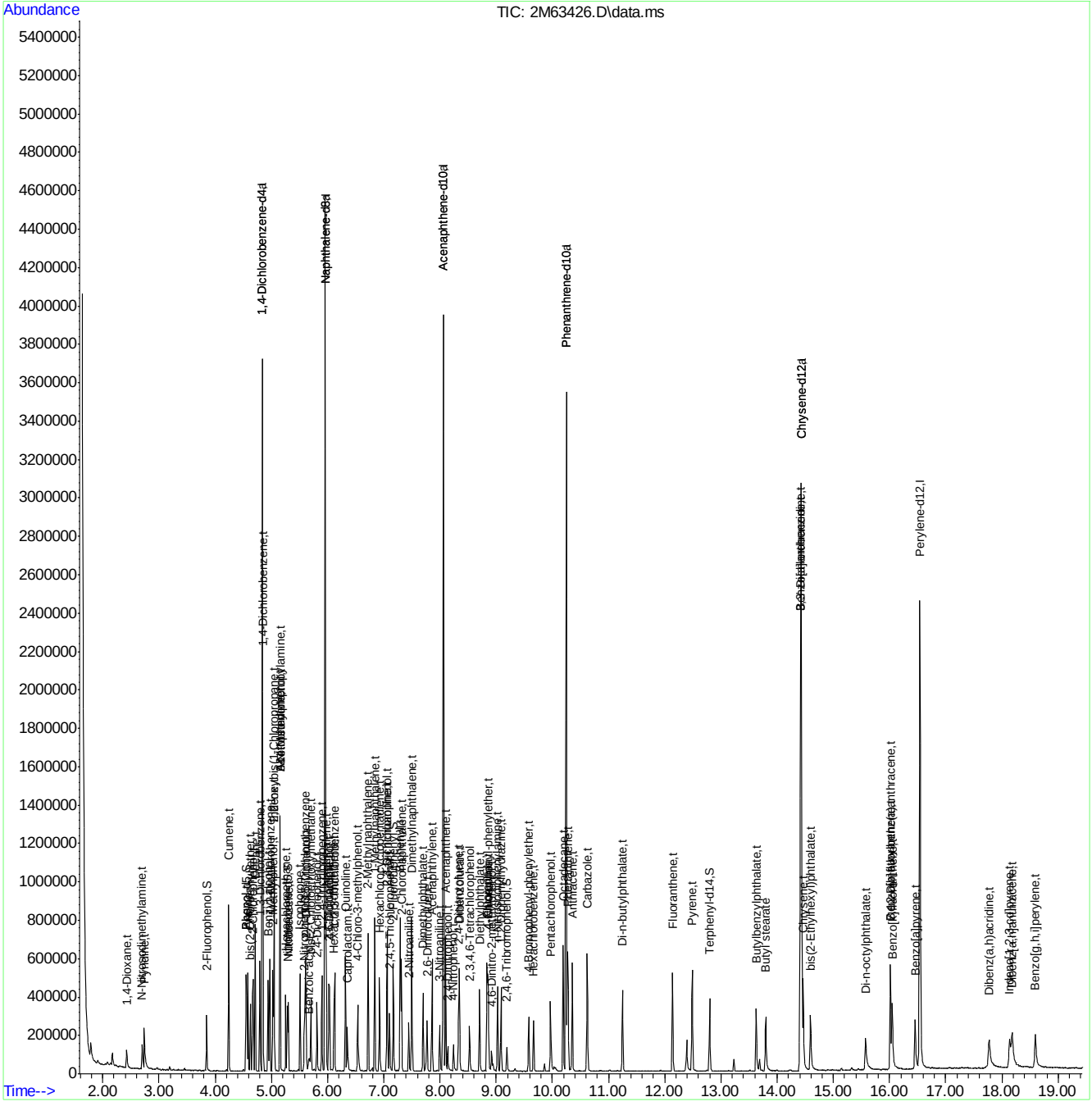
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.353	178	266245	5.61	ppb	98
79) Carbazole	10.621	167	295656	6.07	ppb	99
80) Di-n-butylphthalate	11.252	149	276407	5.23	ppb	99
81) Fluoranthene	12.140	202	235162	5.53	ppb	99
82) Octadecane	10.193	57	135380	6.04	ppb	99
84) Pyrene	12.487	202	252944	5.38	ppb	100
86) Butylbenzylphthalate	13.627	149	107678	4.68	ppb	97
87) Butyl stearate	13.798	56	59262	4.39	ppb	99
88) Benzo[a]anthracene	14.413	228	189347	5.29	ppb	98
89) 3,3'-Dichlorobenzidine	14.413	252	52830	4.75	ppb	94
90) Chrysene	14.461	228	194392	5.36	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.589	149	136201	4.40	ppb	99
93) Di-n-octylphthalate	15.574	149	194236	4.18	ppb	99
94) Benzo[b]fluoranthene	16.012	252	157006	5.10	ppb	96
95) Benzo[k]fluoranthene	16.050	252	186607	5.68	ppb	97
96) Benzo[a]pyrene	16.456	252	135126	4.82	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.141	276	159206	4.80	ppb	98
98) Dibenz(a,h)acridine	17.772	279	123679	4.58	ppb	99
99) Dibenz[a,h]anthracene	18.184	278	134342	4.71	ppb	94
100) 7,12-Dimethylbenz(a)an...	16.018	256	52872	3.85	ppb	95
101) Benzo[g,h,i]perylene	18.596	276	132587	4.92	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63426.D
Acq On : 13 May 2014 5:34 pm
Operator : olgaa
Sample : ic2693-5
Misc : op74725,E2M2693,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 09:57:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 09:24:52 2014
QLast Update : Wed May 14 09:53:52 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63427.D
Acq On : 13 May 2014 5:59 pm
Operator : olgaa
Sample : ic2693-2
Misc : op74725,E2M2693,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 11:29:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	484121	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1967567	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	1060375	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1621406	40.00	ppb	0.00
83) Chrysene-d12	14.429	240	1306509	40.00	ppb	0.00
92) Perylene-d12	16.542	264	1073823	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	484121	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	1060375	40.00	ppb	0.00
107) Chrysene-d12a	14.429	240	1306509	40.00	ppb	0.00
110) Phenanthrene-d10a	10.246	188	1621406	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1967567	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.849	112	37340	2.08	ppb	0.00
Spiked Amount 50.000			Recovery =	4.16%		
8) Phenol-d5	4.550	99	46271	2.09	ppb	0.00
Spiked Amount 50.000			Recovery =	4.18%		
25) Nitrobenzene-d5	5.288	82	35970	2.04	ppb	0.00
Spiked Amount 50.000			Recovery =	4.08%		
51) 2-Fluorobiphenyl	7.171	172	72935	2.24	ppb	0.00
Spiked Amount 50.000			Recovery =	4.48%		
73) 2,4,6-Tribromophenol	9.193	330	3794	1.59	ppb	0.00
Spiked Amount 50.000			Recovery =	3.18%		
85) Terphenyl-d14	12.798	244	50574	1.93	ppb	0.00
Spiked Amount 50.000			Recovery =	3.86%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.427	88	20330	2.23	ppb	94
3) Pyridine	2.742	79	48711	2.19	ppb	99
4) N-Nitrosodimethylamine	2.699	74	25388	2.07	ppb	97
6) Indene	5.047	116	84390	2.49	ppb	99
7) Cumene	4.240	105	114314	2.36	ppb	98
9) Phenol	4.561	94	54304	2.14	ppb	98
10) Aniline	4.582	93	65744	2.22	ppb	99
11) bis(2-Chloroethyl)ether	4.625	93	40315	2.23	ppb	96
12) 2-Chlorophenol	4.678	128	42510	2.21	ppb	95
13) Decane	4.716	43	44357	2.43	ppb	99
14) 1,3-Dichlorobenzene	4.796	146	46053	2.21	ppb	97
15) 1,4-Dichlorobenzene	4.849	146	46601	2.24	ppb	99
16) Benzyl alcohol	4.940	108	25798	2.02	ppb	97
17) 1,2-Dichlorobenzene	4.978	146	44904	2.32	ppb	99
18) Acetophenone	5.154	105	64993	2.48	ppb	99
19) 2-Methylphenol	5.026	108	36836	2.13	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.053	45	50158	2.37	ppb	99
21) 3&4-Methylphenol	5.149	108	37586	2.23	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63427.D
Acq On : 13 May 2014 5:59 pm
Operator : olgaa
Sample : ic2693-2
Misc : op74725,E2M2693,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 11:29:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.154	70	27284	2.42	ppb	98
23) Hexachloroethane	5.256	201	11499	2.14	ppb	91
26) Nitrobenzene	5.304	77	38264	2.08	ppb	93
27) Quinoline	6.315	129	88329	2.19	ppb	98
28) Isophorone	5.507	82	71999	2.15	ppb	99
29) 2-Nitrophenol	5.588	139	16894	1.83	ppb	97
30) 2,4-Dimethylphenol	5.614	107	29857	1.90	ppb	99
31) Benzoic acid	5.657	105	10466	0.93	ppb	87
32) bis(2-Chloroethoxy)met...	5.705	93	44398	2.20	ppb	98
33) 2,4-Dichlorophenol	5.812	162	27137	2.04	ppb	98
34) 2,6-Dichlorophenol	6.037	162	28871	2.19	ppb	99
35) 1,3,5-Trichlorobenzene	5.604	180	39950	2.42	ppb	96
36) 1,2,4-Trichlorobenzene	5.898	180	31064	2.15	ppb	97
37) 1,2,3-Trichlorobenzene	6.122	180	36065	2.32	ppb	95
38) Naphthalene	5.978	128	124286	2.23	ppb	100
39) 4-Chloroaniline	6.021	127	48691	2.17	ppb	96
40) 2,3-Dichloroaniline	7.058	161	41622	2.37	ppb	95
41) Caprolactam	6.347	55	14960	1.96	ppb	99
42) Hexachlorobutadiene	6.112	225	13497	2.23	ppb	96
43) 4-Chloro-3-methylphenol	6.534	107	27657	1.94	ppb	98
44) 2-Methylnaphthalene	6.721	141	67532	2.23	ppb	99
45) 1-Methylnaphthalene	6.839	142	90903	2.37	ppb	99
46) Dimethylnaphthalene	7.497	156	76975	2.35	ppb	98
48) Hexachlorocyclopentadiene	6.925	237	20406	3.59	ppb	93
49) 2,4,6-Trichlorophenol	7.064	196	15273	1.99	ppb	93
50) 2,4,5-Trichlorophenol	7.101	196	16155	1.92	ppb	98
52) 2-Chloronaphthalene	7.315	162	67280	2.19	ppb	99
53) Biphenyl	7.294	154	105575	2.34	ppb	99
54) 2-Nitroaniline	7.444	65	13573	1.65	ppb	97
55) Dimethylphthalate	7.700	163	69797	2.16	ppb	97
56) Acenaphthylene	7.861	152	108473	2.11	ppb	99
57) 2,6-Dinitrotoluene	7.770	165	11725	1.69	ppb	92
58) 3-Nitroaniline	7.994	138	14624	1.60	ppb	99
59) Acenaphthene	8.101	153	70705	2.22	ppb	98
60) 2,4-Dinitrophenol	8.139	184	4171	1.08	ppb	56
61) 4-Nitrophenol	8.240	109	5527	1.47	ppb	92
62) Dibenzofuran	8.342	168	95767	2.29	ppb	98
63) 2,4-Dinitrotoluene	8.326	165	16183	1.79	ppb	98
64) 2,3,4,6-Tetrachlorophenol	8.529	232	9702	1.75	ppb	93
65) Diethylphthalate	8.706	149	68156	2.12	ppb	99
66) Fluorene	8.840	166	73437	2.21	ppb	99
67) 4-Chlorophenyl-phenyle...	8.856	204	30326	2.30	ppb	97
68) 4-Nitroaniline	8.861	138	15353	1.61	ppb	96
70) 4,6-Dinitro-2-methylph...	8.920	198	4034	0.85	ppb	93
71) n-Nitrosodiphenylamine	9.027	169	46692	2.07	ppb	96
72) 1,2-Diphenylhydrazine	9.086	77	75078	2.07	ppb	98
74) 4-Bromophenyl-phenylether	9.583	248	12311	1.96	ppb	87
75) Hexachlorobenzene	9.669	284	13990	2.11	ppb	97
76) Pentachlorophenol	9.968	266	11527	2.86	ppb	92
77) Phenanthrene	10.278	178	109405	2.22	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63427.D
Acq On : 13 May 2014 5:59 pm
Operator : olgaa
Sample : ic2693-2
Misc : op74725,E2M2693,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 11:29:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration

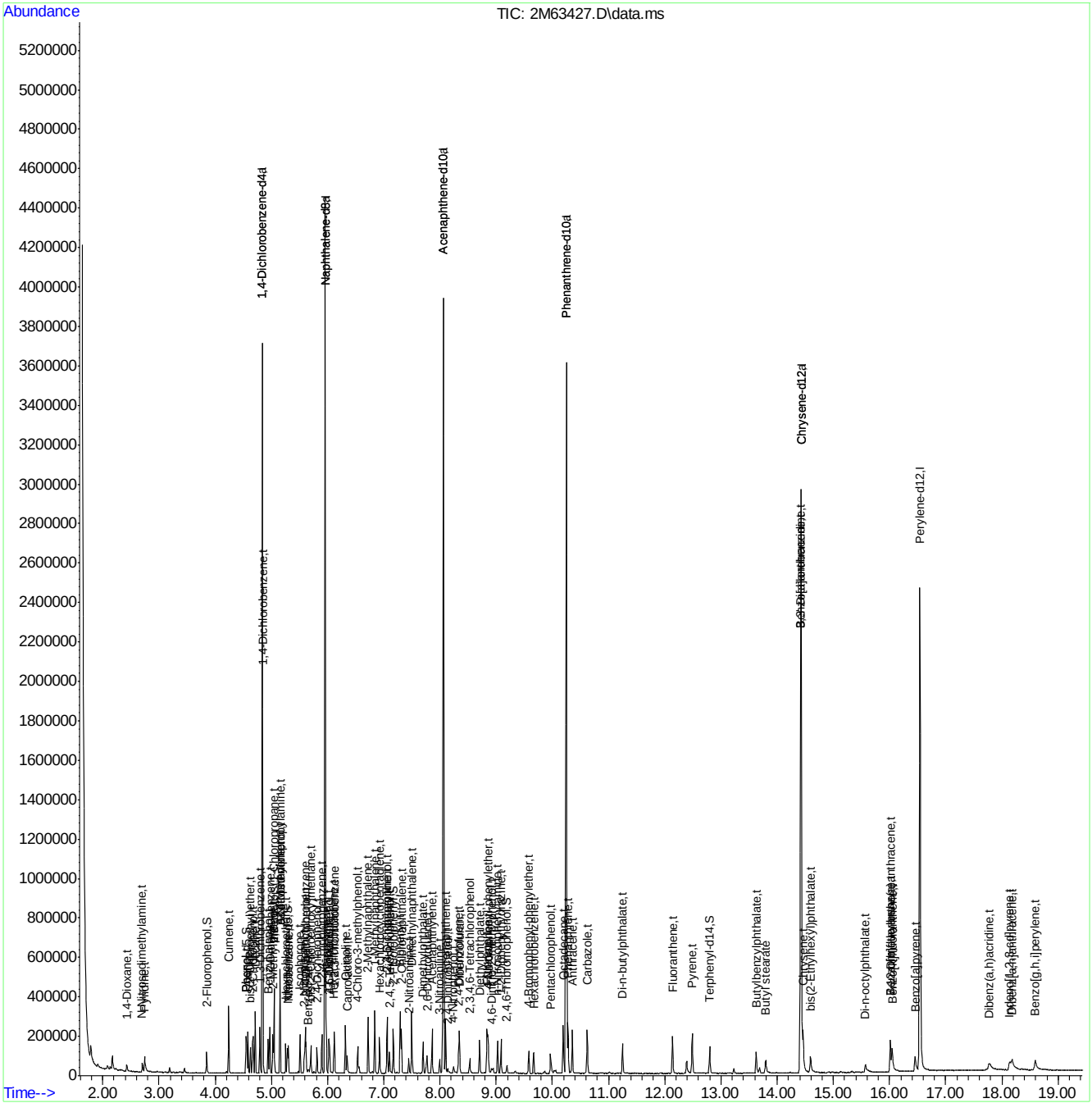
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.353	178	102993	2.10	ppb	98
79) Carbazole	10.621	167	113113	2.21	ppb	98
80) Di-n-butylphthalate	11.252	149	98928	1.87	ppb	100
81) Fluoranthene	12.140	202	88372	2.03	ppb	99
82) Octadecane	10.193	57	47981	2.06	ppb	99
84) Pyrene	12.487	202	98235	2.06	ppb	98
86) Butylbenzylphthalate	13.627	149	36730	1.65	ppb	98
87) Butyl stearate	13.798	56	17432	1.31	ppb	94
88) Benzo[a]anthracene	14.413	228	73991	2.04	ppb	98
89) 3,3'-Dichlorobenzidine	14.413	252	17040	1.59	ppb	92
90) Chrysene	14.461	228	77868	2.11	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.595	149	43616	1.49	ppb	95
93) Di-n-octylphthalate	15.573	149	47855	1.67	ppb	96
94) Benzo[b]fluoranthene	16.012	252	47919	1.58	ppb	95
95) Benzo[k]fluoranthene	16.049	252	76395	2.22	ppb	96
96) Benzo[a]pyrene	16.456	252	45555	1.65	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.141	276	49361	1.53	ppb	92
98) Dibenz(a,h)acridine	17.772	279	32943	1.28	ppb	92
99) Dibenz[a,h]anthracene	18.178	278	42280	1.53	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.017	256	13974	1.51	ppb	94
101) Benzo[g,h,i]perylene	18.590	276	46556	1.74	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63427.D
Acq On : 13 May 2014 5:59 pm
Operator : olgaa
Sample : ic2693-2
Misc : op74725,E2M2693,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 11:29:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63430.D
Acq On : 13 May 2014 7:16 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 12:03:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

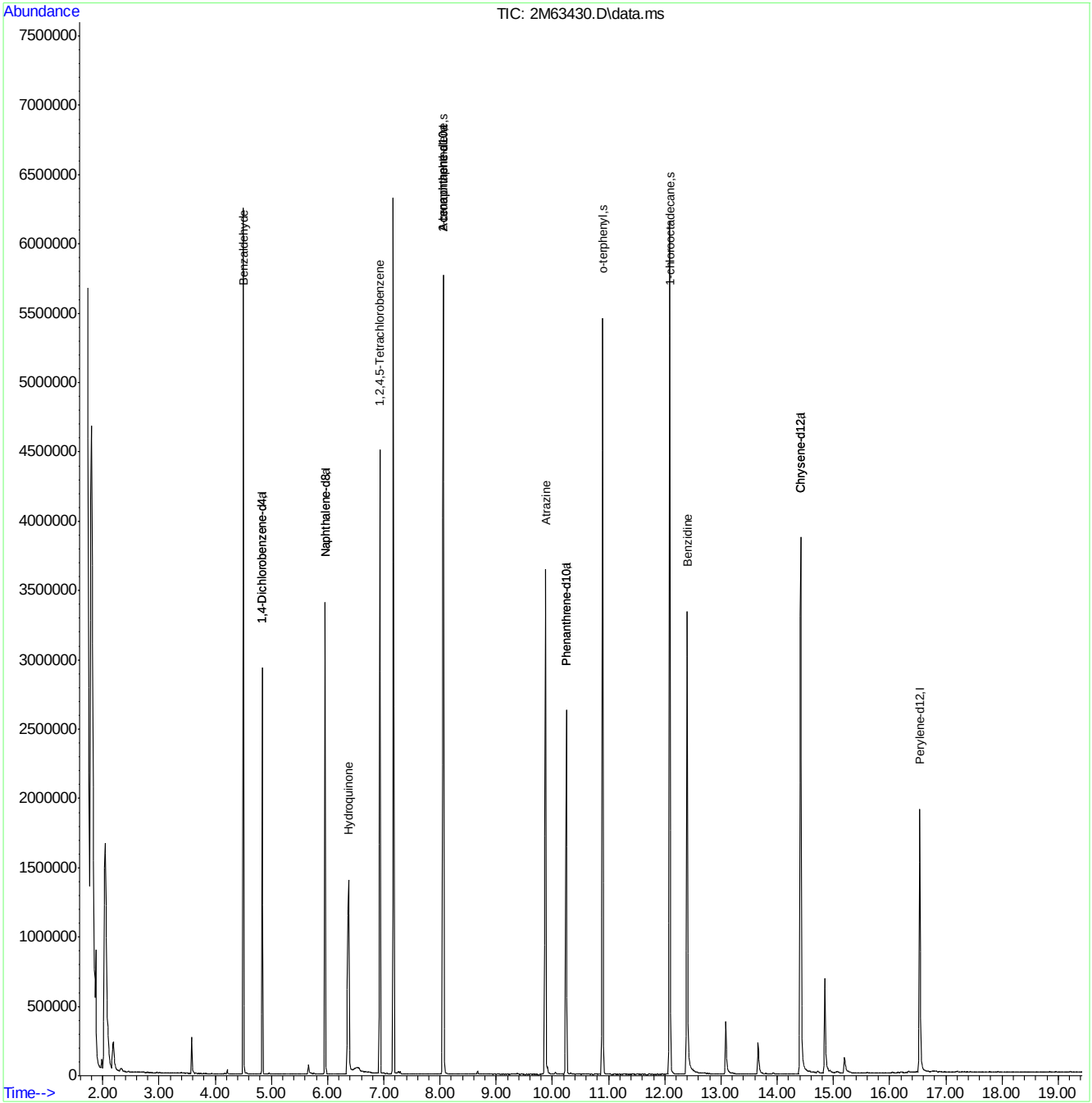
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	387935	40.00	ppb	0.00
24) Naphthalene-d8	5.956	136	1544838	40.00	ppb	0.00
47) Acenaphthene-d10	8.064	164	741985	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1235614	40.00	ppb	0.00
83) Chrysene-d12	14.423	240	937652	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	830701	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	387935	40.00	ppb	0.00
104) Acenaphthene-d10a	8.064	164	741985	40.00	ppb	0.00
107) Chrysene-d12a	14.423	240	937652	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.246	188	1235614	40.00	ppb	0.00
113) Naphthalene-d8a	5.956	136	1544838	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%		
106) 2-bromonaphthalene	8.053	127	1131774	100.00	ppb	0.03
109) 1-chlorooctadecane	12.091	57	1022422	100.00	ppb	0.04
Spiked Amount 50.000			Recovery =	200.00%		
112) o-terphenyl	10.893	230	1329576	100.00	ppb	0.03
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	1059240	100.00	ppb	95
105) 1,2,4,5-Tetrachloroben...	6.930	216	798404	100.00	ppb	99
108) Benzidine	12.402	184	1910499	100.00	ppb	100
111) Atrazine	9.882	215	291011	100.00	ppb	93
114) Hydroquinone	6.374	110	1256451	100.00	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63430.D
Acq On : 13 May 2014 7:16 pm
Operator : olgaa
Sample : ic2693-100
Misc : op74725,E2M2693,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 12:03:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63431.D
Acq On : 13 May 2014 7:41 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 14 12:04:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

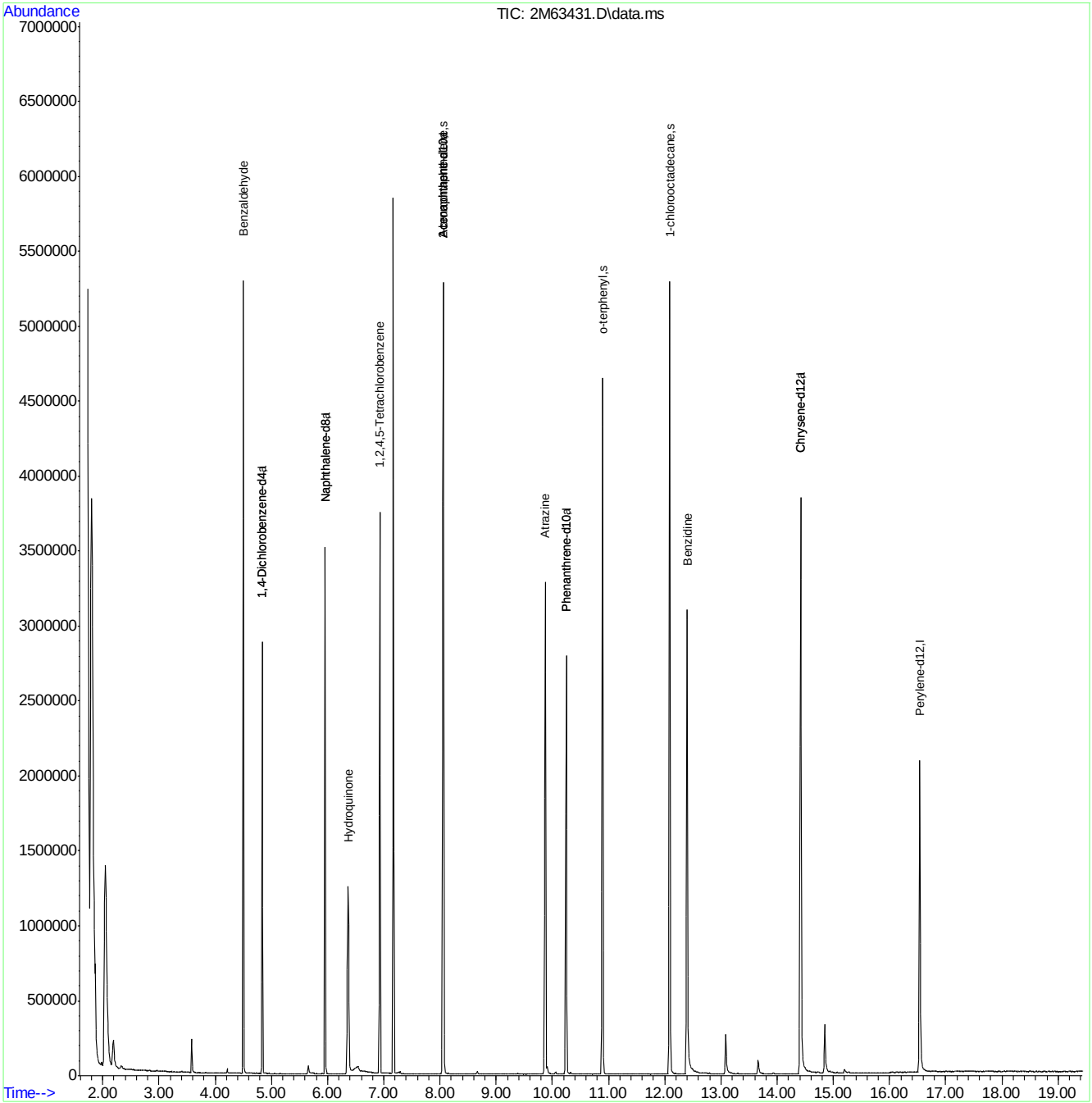
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	403176	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1611773	40.00	ppb	0.00
47) Acenaphthene-d10	8.064	164	785442	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1291203	40.00	ppb	0.00
83) Chrysene-d12	14.423	240	980511	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	852751	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	403176	40.00	ppb	0.00
104) Acenaphthene-d10a	8.064	164	785442	40.00	ppb	0.00
107) Chrysene-d12a	14.423	240	980511	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.246	188	1291203	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1611773	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%		
106) 2-bromonaphthalene	8.053	127	966627	80.68	ppb	0.03
109) 1-chlorooctadecane	12.091	57	884687	82.75	ppb	0.04
Spiked Amount 50.000			Recovery =	165.50%		
112) o-terphenyl	10.893	230	1145063	82.41	ppb	0.03
Spiked Amount 50.000			Recovery =	164.82%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	915184	83.13	ppb	95
105) 1,2,4,5-Tetrachloroben...	6.930	216	677241	80.13	ppb	99
108) Benzidine	12.402	184	1836518	91.93	ppb	100
111) Atrazine	9.877	215	253813	83.46	ppb	96
114) Hydroquinone	6.368	110	1034627	78.93	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63431.D
Acq On : 13 May 2014 7:41 pm
Operator : olgaa
Sample : ic2693-80
Misc : op74725,E2M2693,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 14 12:04:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



M2M2693.M Wed May 14 12:04:37 2014 MS2M Page: 2

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63432.D
Acq On : 13 May 2014 8:07 pm
Operator : olgaa
Sample : icc2693-50
Misc : op74725,E2M2693,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 14 12:05:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

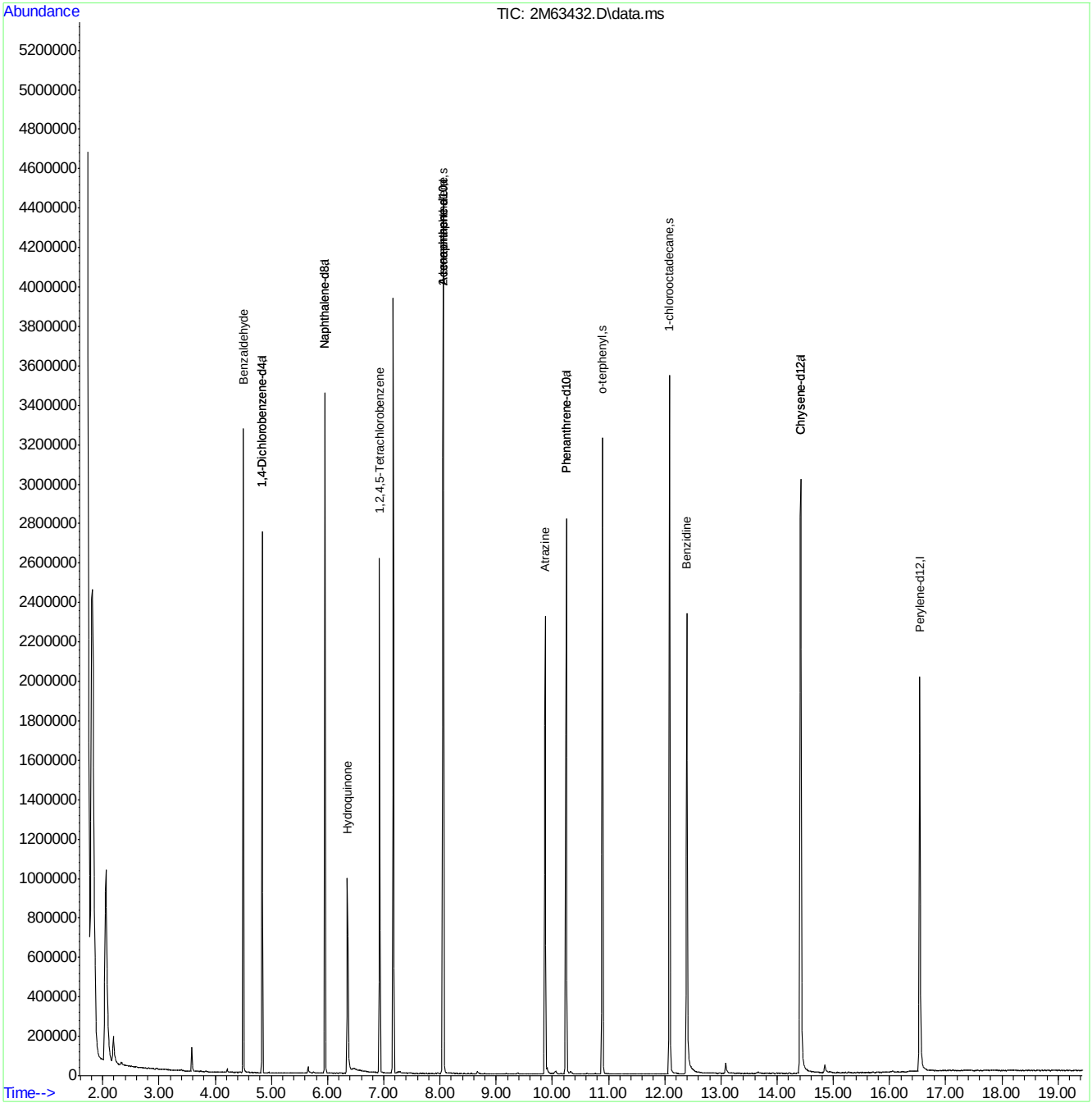
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	396547	40.00	ppb	0.00
24) Naphthalene-d8	5.951	136	1617683	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	812785	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1293251	40.00	ppb	0.00
83) Chrysene-d12	14.424	240	1008844	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	848927	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	396547	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	812785	40.00	ppb	0.00
107) Chrysene-d12a	14.424	240	1008844	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.246	188	1293251	40.00	ppb	0.00
113) Naphthalene-d8a	5.951	136	1617683	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%		
106) 2-bromonaphthalene	8.048	127	622126	50.18	ppb	0.02
109) 1-chlorooctadecane	12.086	57	581080	52.82	ppb	0.03
Spiked Amount 50.000			Recovery =	105.64%		
112) o-terphenyl	10.888	230	743016	53.39	ppb	0.03
Spiked Amount 50.000			Recovery =	106.78%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	587014	54.21	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.925	216	440648	50.38	ppb	99
108) Benzidine	12.396	184	1262311	61.41	ppb	100
111) Atrazine	9.872	215	157273	51.64	ppb	92
114) Hydroquinone	6.352	110	633575	48.16	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63432.D
Acq On : 13 May 2014 8:07 pm
Operator : olgaa
Sample : icc2693-50
Misc : op74725,E2M2693,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 14 12:05:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63433.D
Acq On : 13 May 2014 8:33 pm
Operator : olgaa
Sample : ic2693-25
Misc : op74725,E2M2693,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 12:06:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

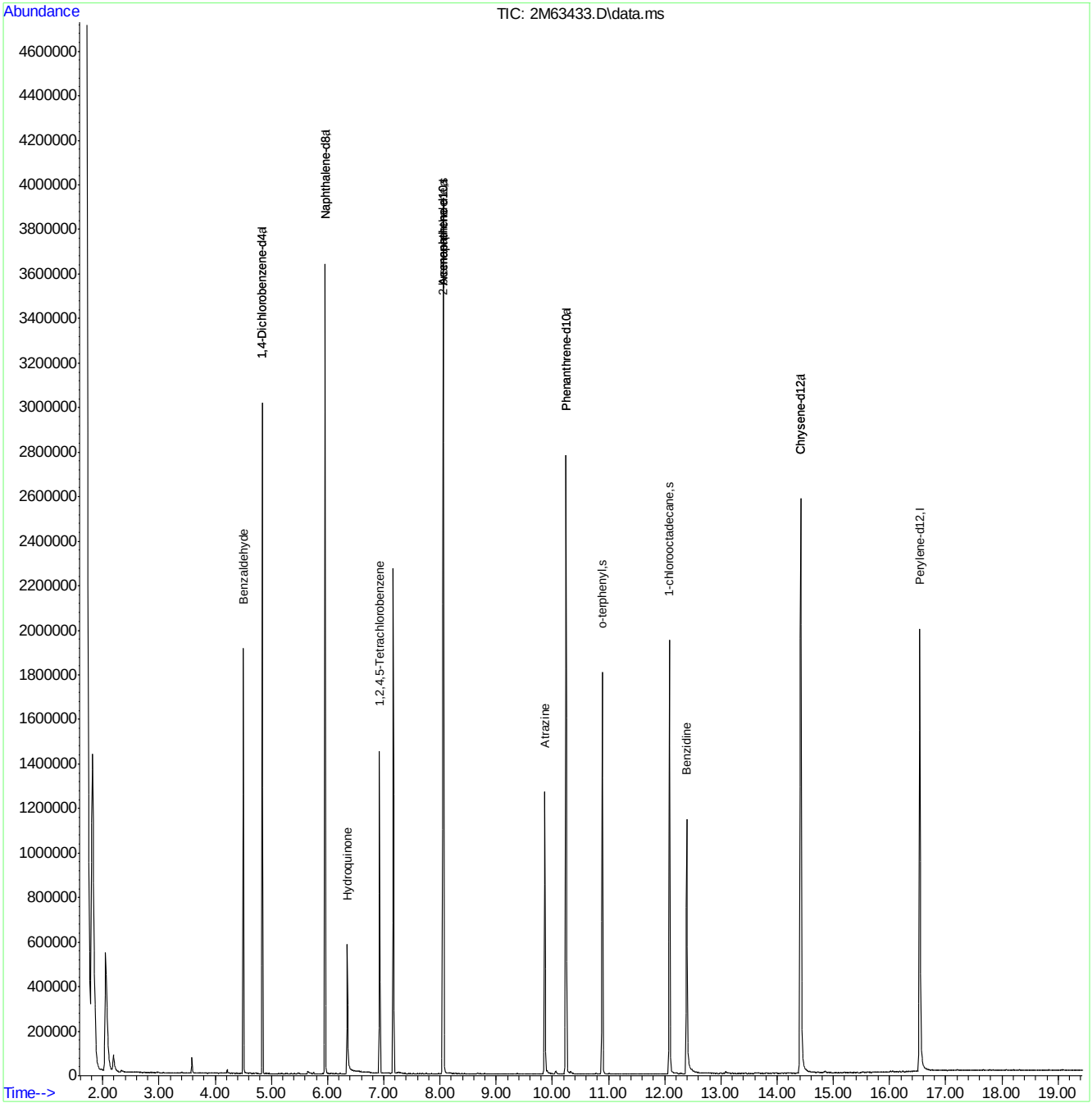
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	401927	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1620366	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	839035	40.00	ppb	0.00
69) Phenanthrene-d10	10.241	188	1307873	40.00	ppb	0.00
83) Chrysene-d12	14.424	240	1035622	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	850745	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	401927	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	839035	40.00	ppb	0.00
107) Chrysene-d12a	14.424	240	1035622	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.241	188	1307873	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1620366	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%		
106) 2-bromonaphthalene	8.048	127	336694	26.31	ppb	0.02
109) 1-chlorooctadecane	12.086	57	300055	26.57	ppb	0.03
Spiked Amount 50.000			Recovery =	53.14%		
112) o-terphenyl	10.888	230	393947	27.99	ppb	0.03
Spiked Amount 50.000			Recovery =	55.98%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	315628	28.76	ppb	95
105) 1,2,4,5-Tetrachloroben...	6.925	216	233017	25.81	ppb	100
108) Benzidine	12.391	184	619224	29.35	ppb	99
111) Atrazine	9.866	215	79754	25.89	ppb	88
114) Hydroquinone	6.352	110	286908	21.77	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63433.D
Acq On : 13 May 2014 8:33 pm
Operator : olgaa
Sample : ic2693-25
Misc : op74725,E2M2693,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 12:06:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63434.D
Acq On : 13 May 2014 8:58 pm
Operator : olgaa
Sample : ic2693-10
Misc : op74725,E2M2693,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 12:09:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

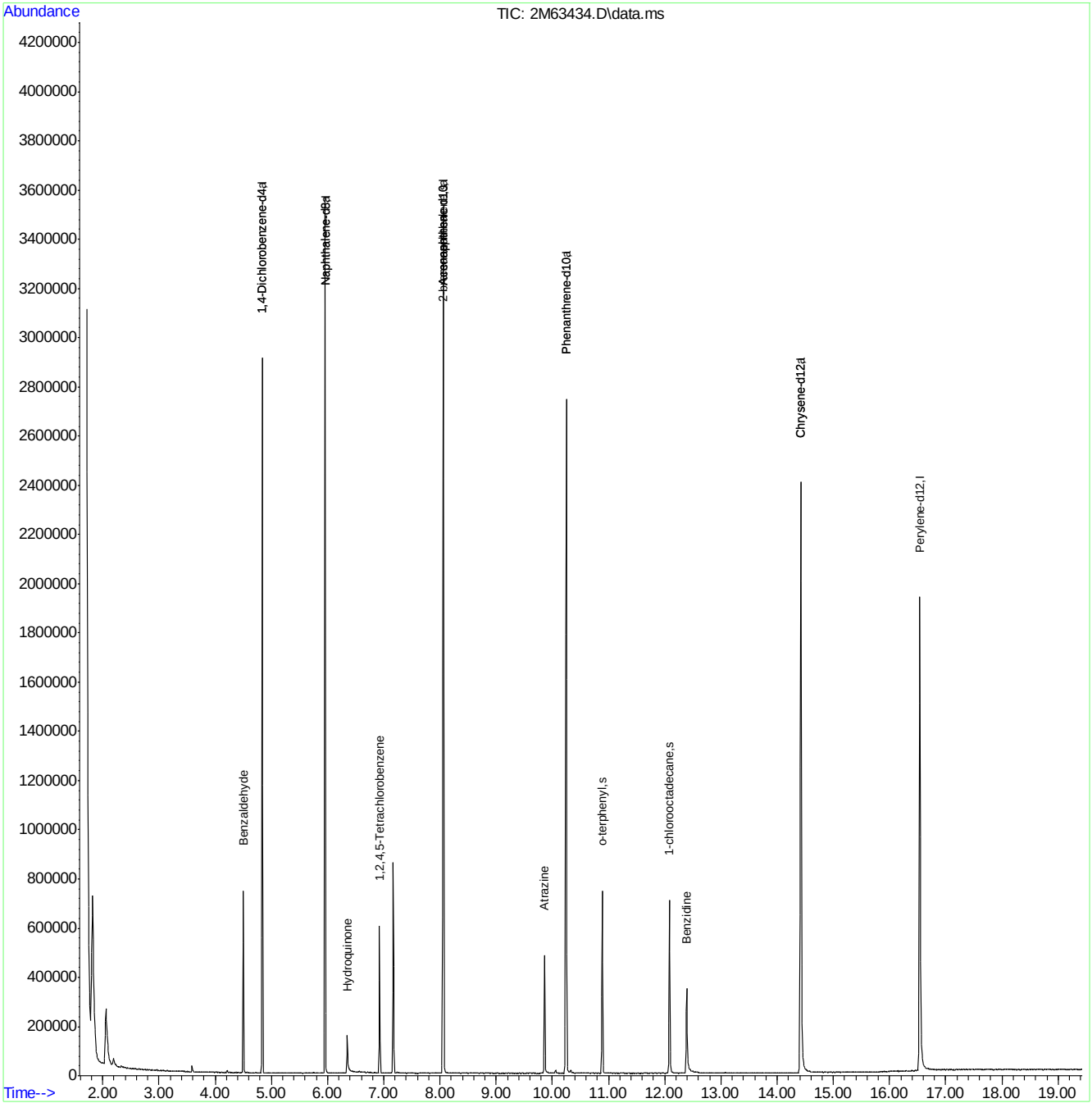
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	404033	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1609815	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	851711	40.00	ppb	0.00
69) Phenanthrene-d10	10.241	188	1290978	40.00	ppb	0.00
83) Chrysene-d12	14.423	240	1023823	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	834438	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	404033	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	851711	40.00	ppb	0.00
107) Chrysene-d12a	14.423	240	1023823	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.241	188	1290978	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1609815	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%		
106) 2-bromonaphthalene	8.048	127	133516	10.28	ppb	0.02
109) 1-chlorooctadecane	12.086	57	106580	9.55	ppb	0.03
Spiked Amount 50.000			Recovery =	19.10%		
112) o-terphenyl	10.888	230	154406	11.12	ppb	0.03
Spiked Amount 50.000			Recovery =	22.24%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	124833	11.32	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.925	216	93820	10.24	ppb	99
108) Benzidine	12.391	184	198227	9.50	ppb	97
111) Atrazine	9.866	215	28848	9.49	ppb	95
114) Hydroquinone	6.347	110	86154	6.58	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63434.D
Acq On : 13 May 2014 8:58 pm
Operator : olgaa
Sample : ic2693-10
Misc : op74725,E2M2693,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 12:09:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63435.D
Acq On : 13 May 2014 9:24 pm
Operator : olgaa
Sample : ic2693-5
Misc : op74725,E2M2693,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 12:10:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

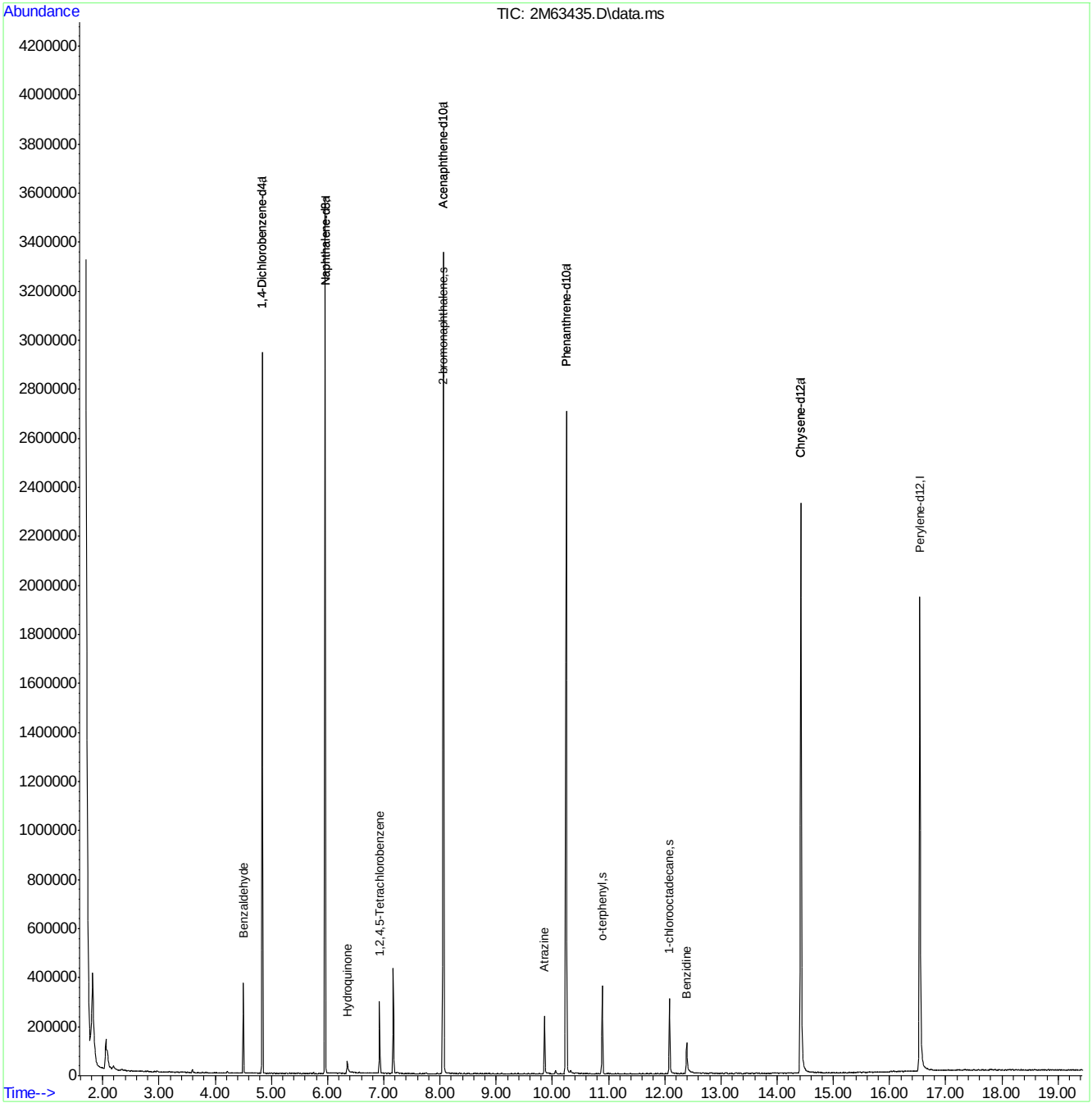
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	398211	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1580150	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	840255	40.00	ppb	0.00
69) Phenanthrene-d10	10.241	188	1258907	40.00	ppb	0.00
83) Chrysene-d12	14.424	240	996969	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	818017	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	398211	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	840255	40.00	ppb	0.00
107) Chrysene-d12a	14.424	240	996969	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.241	188	1258907	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1580150	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%		
106) 2-bromonaphthalene	8.048	127	66763	5.21	ppb	0.02
109) 1-chlorooctadecane	12.086	57	46852	4.31	ppb	0.03
Spiked Amount 50.000			Recovery =	8.62%		
112) o-terphenyl	10.888	230	73897	5.46	ppb	0.03
Spiked Amount 50.000			Recovery =	10.92%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	60995	5.61	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.925	216	47239	5.22	ppb	98
108) Benzidine	12.391	184	83924	4.13	ppb	94
111) Atrazine	9.867	215	13700	4.62	ppb	96
114) Hydroquinone	6.352	110	35487	2.76	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63435.D
Acq On : 13 May 2014 9:24 pm
Operator : olgaa
Sample : ic2693-5
Misc : op74725,E2M2693,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 12:10:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63436.D
Acq On : 13 May 2014 9:49 pm
Operator : olgaa
Sample : ic2693-2
Misc : op74725,E2M2693,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 14 12:11:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

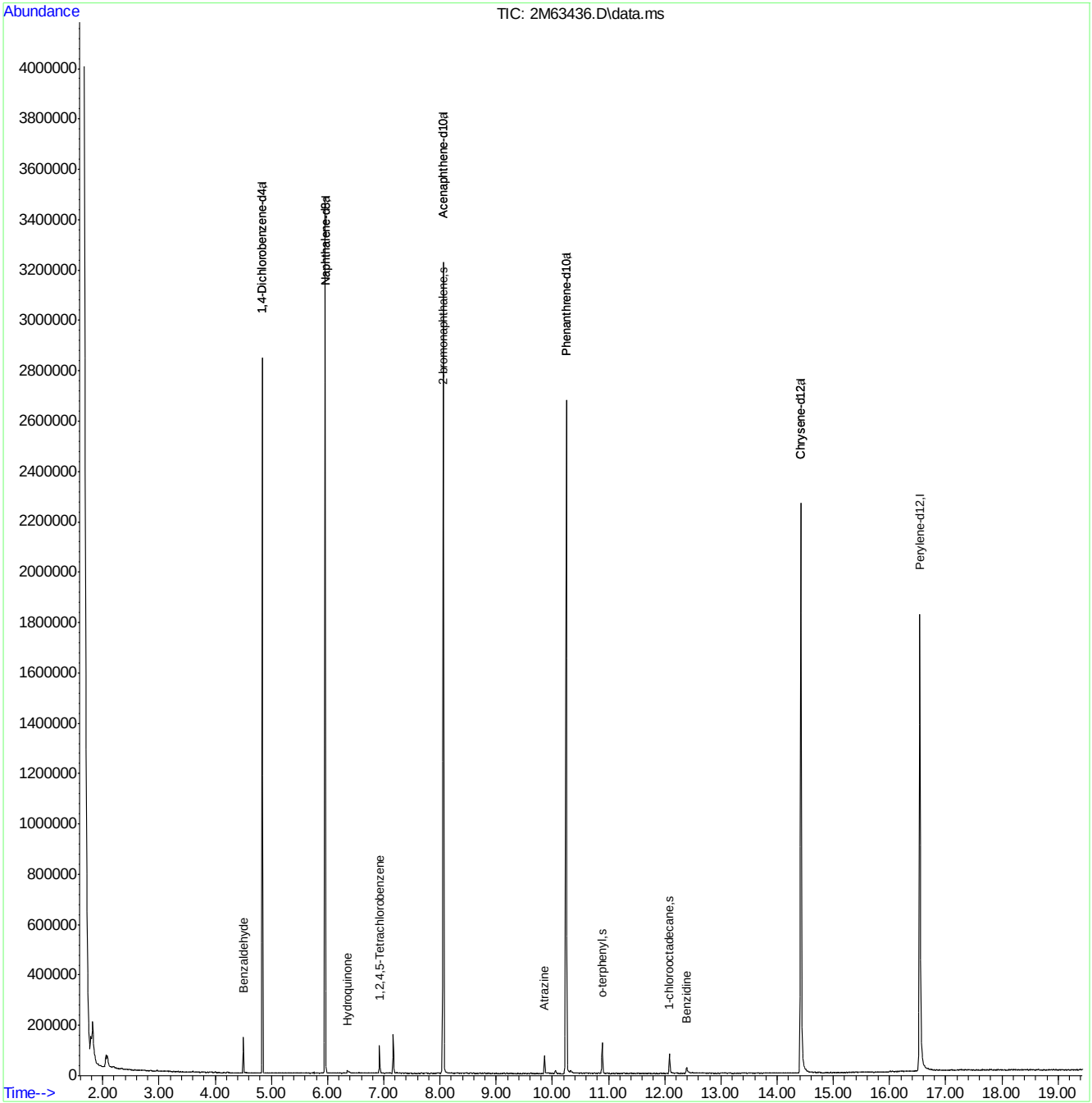
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	388560	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1544474	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	825773	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1221441	40.00	ppb	0.00
83) Chrysene-d12	14.423	240	964062	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	788145	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	388560	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	825773	40.00	ppb	0.00
107) Chrysene-d12a	14.423	240	964062	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.246	188	1221441	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1544474	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%		
106) 2-bromonaphthalene	8.048	127	24038	1.91	ppb	0.02
109) 1-chlorooctadecane	12.086	57	13139	1.25	ppb	0.03
Spiked Amount 50.000			Recovery =	2.50%		
112) o-terphenyl	10.888	230	26568	2.02	ppb	0.03
Spiked Amount 50.000			Recovery =	4.04%		
Target Compounds						Qvalue
103) Benzaldehyde	4.502	105	23045	2.17	ppb	95
105) 1,2,4,5-Tetrachloroben...	6.925	216	17211	1.94	ppb	96
108) Benzidine	12.391	184	19238	0.98	ppb	99
111) Atrazine	9.866	215	4028	1.40	ppb	88
114) Hydroquinone	6.352	110	10657	0.85	ppb	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63436.D
Acq On : 13 May 2014 9:49 pm
Operator : olgaa
Sample : ic2693-2
Misc : op74725,E2M2693,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 14 12:11:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63437.D
Acq On : 13 May 2014 10:15 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 14 12:15:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration

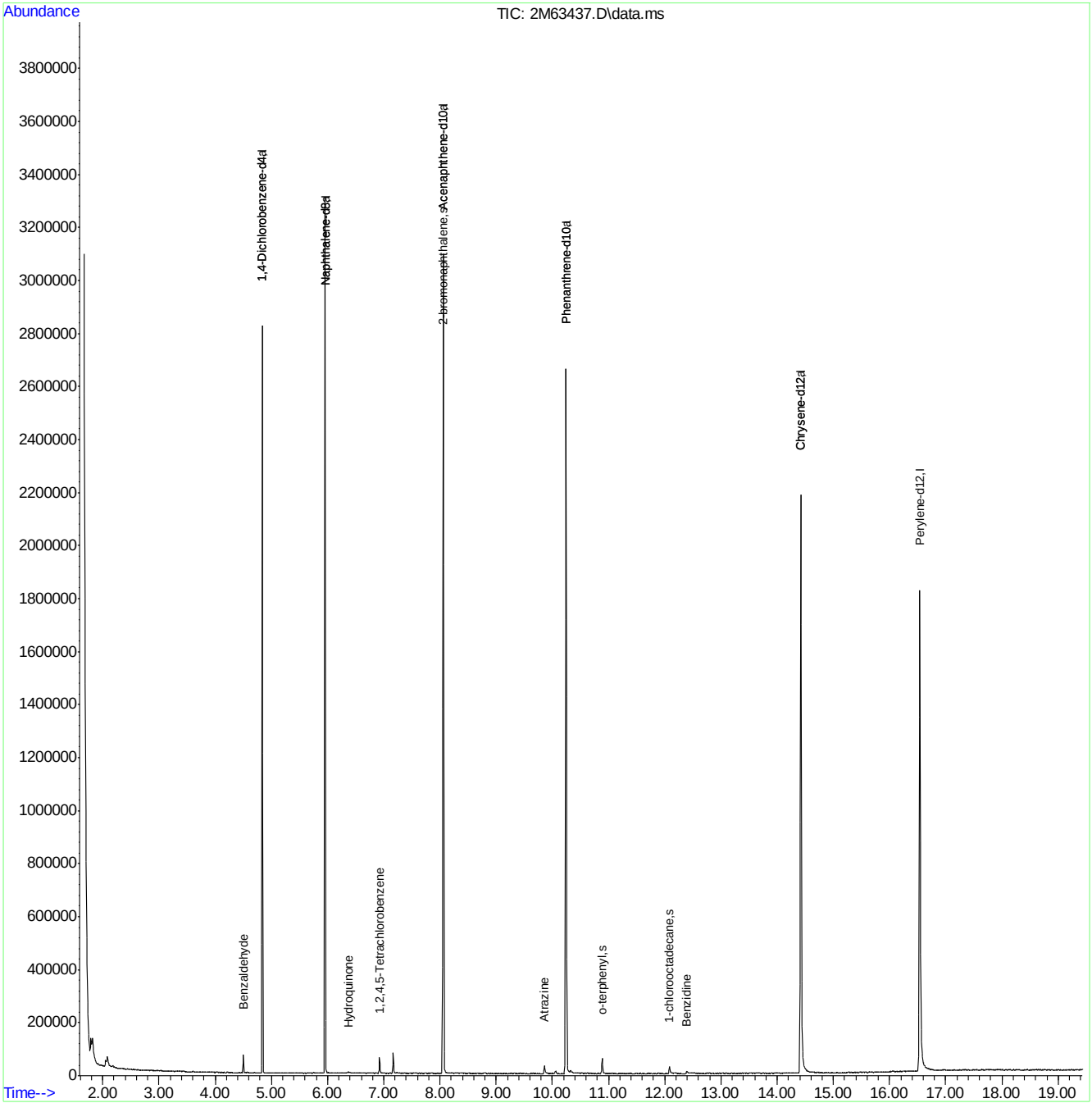
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	384778	40.00	ppb		0.00
24) Naphthalene-d8	5.957	136	1529901	40.00	ppb		0.00
47) Acenaphthene-d10	8.059	164	810125	40.00	ppb		0.00
69) Phenanthrene-d10	10.241	188	1208614	40.00	ppb		0.00
83) Chrysene-d12	14.424	240	946776	40.00	ppb		-0.01
92) Perylene-d12	16.536	264	767861	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	384778	40.00	ppb		0.00
104) Acenaphthene-d10a	8.059	164	810125	40.00	ppb		0.00
107) Chrysene-d12a	14.424	240	946776	40.00	ppb		-0.01
110) Phenanthrene-d10a	10.241	188	1208614	40.00	ppb		0.00
113) Naphthalene-d8a	5.957	136	1529901	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%			
106) 2-bromonaphthalene	8.048	127	12042	0.97	ppb		0.02
109) 1-chlorooctadecane	12.086	57	4807	0.47	ppb		0.03
Spiked Amount 50.000			Recovery =	0.94%			
112) o-terphenyl	10.888	230	12854	0.99	ppb		0.03
Spiked Amount 50.000			Recovery =	1.98%			
Target Compounds							Qvalue
103) Benzaldehyde	4.502	105	11407	1.09	ppb		95
105) 1,2,4,5-Tetrachloroben...	6.925	216	8639	0.99	ppb		97
108) Benzidine	12.391	184	6669	0.35	ppb		99
111) Atrazine	9.861	215	1553	0.55	ppb	#	80
114) Hydroquinone	6.369	110	4379	0.35	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63437.D
Acq On : 13 May 2014 10:15 pm
Operator : olgaa
Sample : ic2693-1
Misc : op74725,E2M2693,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 14 12:15:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:03:10 2014
QLast Update : Wed May 14 12:03:10 2014
Response via : Initial Calibration



M2M2693.M Wed May 14 12:15:56 2014 MS2M Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63438.D
Acq On : 13 May 2014 10:41 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 14 10:58:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	536396	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	2318139	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	1292097	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1894059	40.00	ppb	0.00
83) Chrysene-d12	14.429	240	1322157	40.00	ppb	0.00
92) Perylene-d12	16.542	264	1058111	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	536396	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	1292097	40.00	ppb	0.00
107) Chrysene-d12a	14.429	240	1322157	40.00	ppb	0.00
110) Phenanthrene-d10a	10.246	188	1894059	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	2318139	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
9) Phenol	4.561	94	1181491	42.10	ppb	95
12) 2-Chlorophenol	4.678	128	958320	44.96	ppb	99
19) 2-Methylphenol	5.031	108	902212	47.12	ppb	99
21) 3&4-Methylphenol	5.154	108	937932	50.12	ppb	100
29) 2-Nitrophenol	5.588	139	485485	44.71	ppb	98
30) 2,4-Dimethylphenol	5.620	107	867290	46.93	ppb	99
31) Benzoic acid	5.732	105	564936	42.39	ppb	98
33) 2,4-Dichlorophenol	5.812	162	690820	44.14	ppb	98
34) 2,6-Dichlorophenol	6.037	162	688675	44.25	ppb	99
43) 4-Chloro-3-methylphenol	6.540	107	750907	44.68	ppb	99
49) 2,4,6-Trichlorophenol	7.064	196	420375	44.96	ppb	97
50) 2,4,5-Trichlorophenol	7.101	196	441939	43.05	ppb	98
61) 4-Nitrophenol	8.251	109	203753	44.39	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.529	232	285123	42.23	ppb	96
70) 4,6-Dinitro-2-methylph...	8.925	198	225967	40.55	ppb	98
76) Pentachlorophenol	9.973	266	214590	45.51	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63438.D
Acq On : 13 May 2014 10:41 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 14 10:58:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration

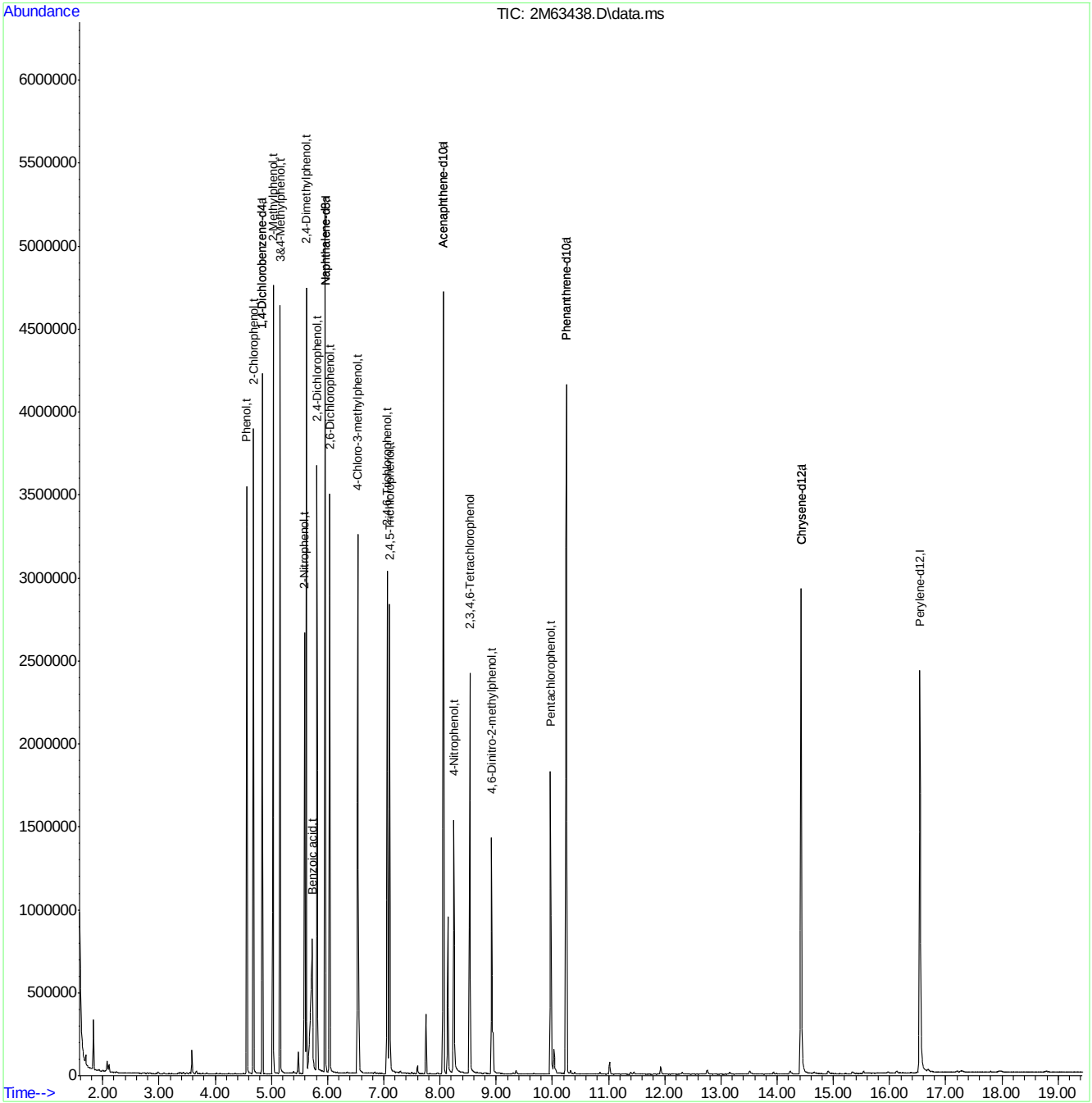
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63438.D
Acq On : 13 May 2014 10:41 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 14 10:58:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 10:19:41 2014
QLast Update : Wed May 14 10:19:41 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/15/14 10:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63439.D
Acq On : 13 May 2014 11:06 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 14 12:26:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	488235	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1973739	40.00	ppb	0.00
47) Acenaphthene-d10	8.064	164	1021289	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1496601	40.00	ppb	0.00
83) Chrysene-d12	14.434	240	1065155	40.00	ppb	0.00
92) Perylene-d12	16.542	264	908502	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	488235	40.00	ppb	0.00
104) Acenaphthene-d10a	8.064	164	1021289	40.00	ppb	0.00
107) Chrysene-d12a	14.434	240	1065155	40.00	ppb	0.01
110) Phenanthrene-d10a	10.246	188	1496601	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1973739	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 2-bromonaphthalene	0.000	127	0d	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
3) Pyridine	2.737	79	887327	39.56	ppb	99
4) N-Nitrosodimethylamine	2.705	74	565667	45.75	ppb	95
11) bis(2-Chloroethyl)ether	4.630	93	857870	46.99	ppb	99
14) 1,3-Dichlorobenzene	4.796	146	891014	42.48	ppb	99
15) 1,4-Dichlorobenzene	4.855	146	888436	42.33	ppb	100
16) Benzyl alcohol	4.946	108	550726	42.83	ppb	99
17) 1,2-Dichlorobenzene	4.978	146	854421	43.78	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.053	45	1034863	48.56	ppb	99
22) n-Nitroso-di-n-propyla...	5.154	70	556633	48.87	ppb	99
23) Hexachloroethane	5.256	201	236055	43.64	ppb	98
26) Nitrobenzene	5.304	77	815686	44.10	ppb	99
28) Isophorone	5.507	82	1447622	43.01	ppb	99
32) bis(2-Chloroethoxy)met...	5.705	93	953871	47.07	ppb	99
36) 1,2,4-Trichlorobenzene	5.898	180	628936	43.43	ppb	97
38) Naphthalene	5.978	128	2389603	42.77	ppb	100
42) Hexachlorobutadiene	6.112	225	263329	43.32	ppb	98
44) 2-Methylnaphthalene	6.727	141	1272530	41.81	ppb	99
52) 2-Chloronaphthalene	7.320	162	1276798	43.11	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63439.D
Acq On : 13 May 2014 11:06 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 14 12:26:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

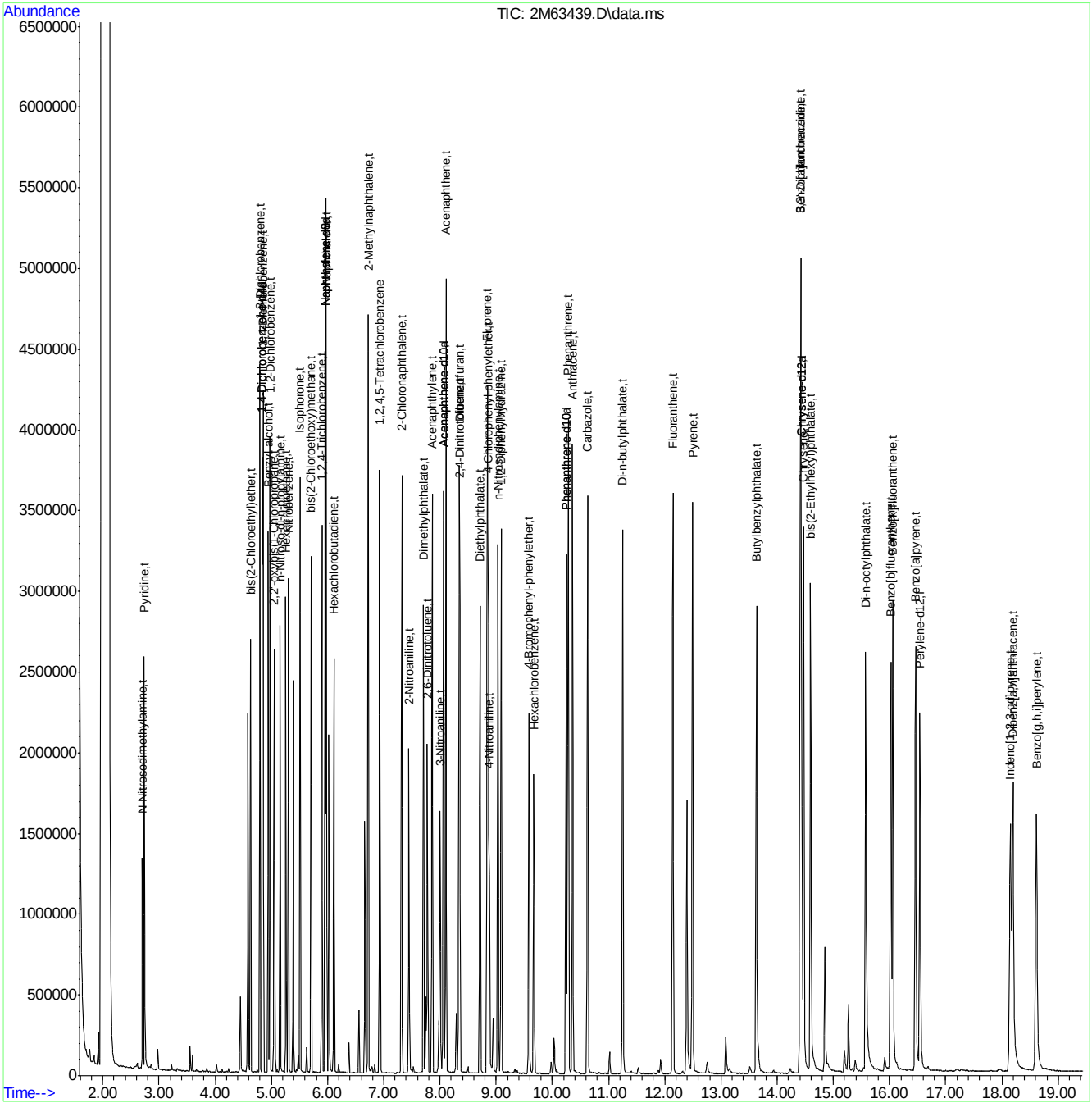
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 2-Nitroaniline	7.449	65	357755	45.13	ppb	97
55) Dimethylphthalate	7.706	163	1380987	44.37	ppb	99
56) Acenaphthylene	7.866	152	1925910	38.81	ppb	100
57) 2,6-Dinitrotoluene	7.780	165	300792	45.14	ppb	96
58) 3-Nitroaniline	8.005	138	351606	39.97	ppb	100
59) Acenaphthene	8.107	153	1382838	45.03	ppb	99
62) Dibenzofuran	8.347	168	1721803	42.78	ppb	100
63) 2,4-Dinitrotoluene	8.337	165	378534	43.45	ppb	100
65) Diethylphthalate	8.716	149	1403598	45.31	ppb	99
66) Fluorene	8.839	166	1434670	44.74	ppb	99
67) 4-Chlorophenyl-phenyle...	8.856	204	579029	45.68	ppb	97
68) 4-Nitroaniline	8.877	138	390311	42.50	ppb	97
71) n-Nitrosodiphenylamine	9.032	169	988532	47.47	ppb	97
72) 1,2-Diphenylhydrazine	9.091	77	1571751	46.87	ppb	99
74) 4-Bromophenyl-phenylether	9.588	248	275864	47.54	ppb	98
75) Hexachlorobenzene	9.674	284	267095	43.69	ppb	97
77) Phenanthrene	10.284	178	1968884	43.20	ppb	100
78) Anthracene	10.359	178	2002055	44.29	ppb	98
79) Carbazole	10.626	167	1875225	39.61	ppb	100
80) Di-n-butylphthalate	11.252	149	2353007	48.11	ppb	100
81) Fluoranthene	12.145	202	1816642	45.19	ppb	99
84) Pyrene	12.498	202	1902948	48.86	ppb	99
86) Butylbenzylphthalate	13.632	149	970765	53.51	ppb	99
88) Benzo[a]anthracene	14.413	228	1366926	46.28	ppb	98
89) 3,3'-Dichlorobenzidine	14.418	252	637456	72.87	ppb	98
90) Chrysene	14.472	228	1459292	48.49	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.595	149	1324303	55.37	ppb	100
93) Di-n-octylphthalate	15.573	149	2243640	50.82	ppb	99
94) Benzo[b]fluoranthene	16.023	252	1277696	49.79	ppb	97
95) Benzo[k]fluoranthene	16.060	252	1408201	48.34	ppb	100
96) Benzo[a]pyrene	16.461	252	1226618	52.63	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.151	276	1333352m	48.86	ppb	
99) Dibenz[a,h]anthracene	18.194	278	1179825	50.35	ppb	97
101) Benzo[g,h,i]perylene	18.617	276	1138769	50.39	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.930	216	437181	39.44	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63439.D
Acq On : 13 May 2014 11:06 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 14 12:26:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

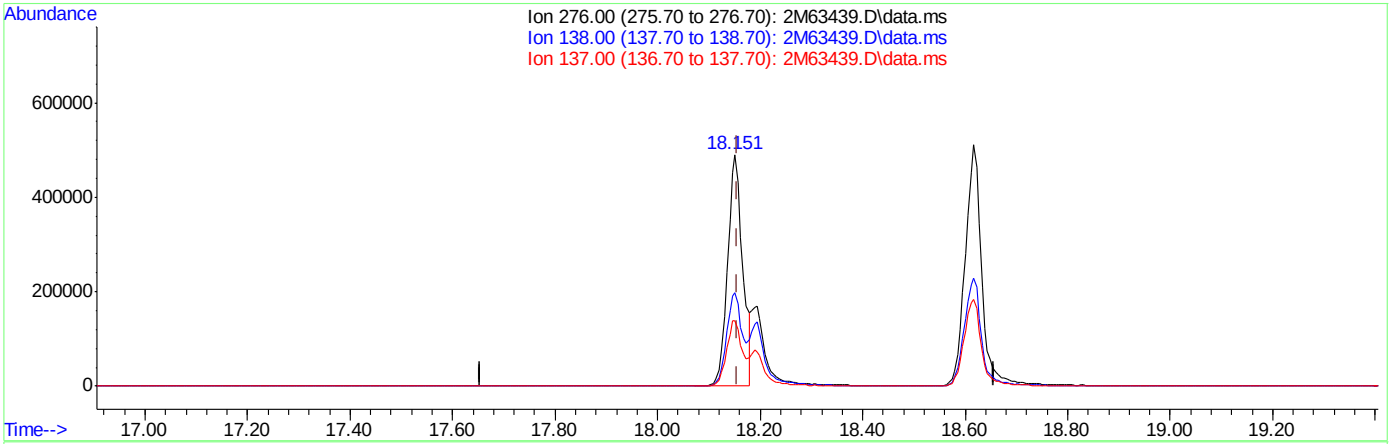
Sample Number:	E2M2693-ICV2693	**Method:**	SW846 8270D
Lab FileID:	2M63439.D	**Analyst approved:**	05/14/14 15:18 Olga Azarihn
Injection Time:	05/13/14 23:06	**Supervisor approved:**	05/15/14 10:04 Nina Pandya

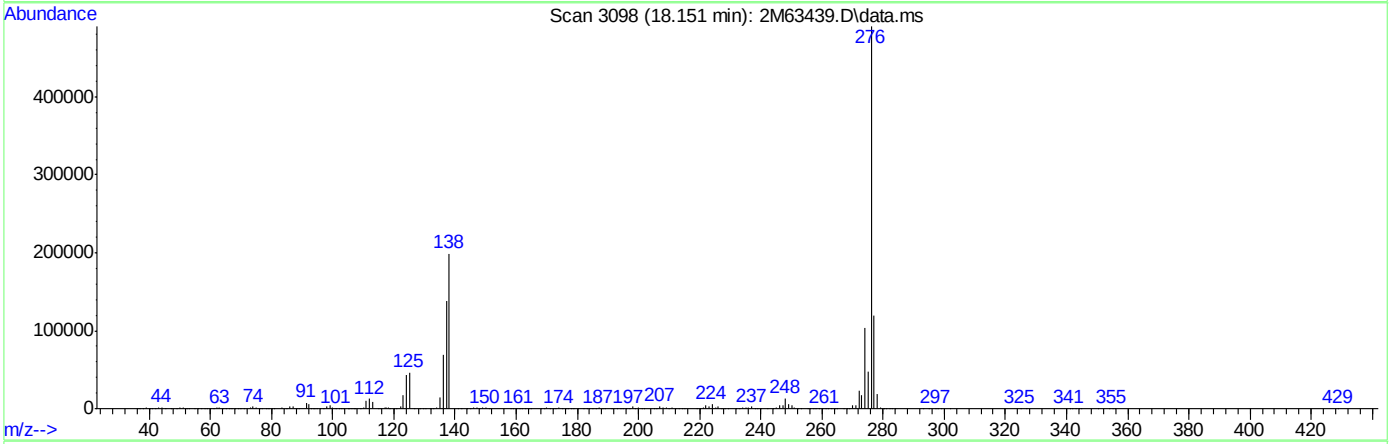
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.15	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63439.D
Acq On : 13 May 2014 11:06 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 14 12:24:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration





TIC: 2M63439.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.151min (-0.005) 36.55ppb

response 997445

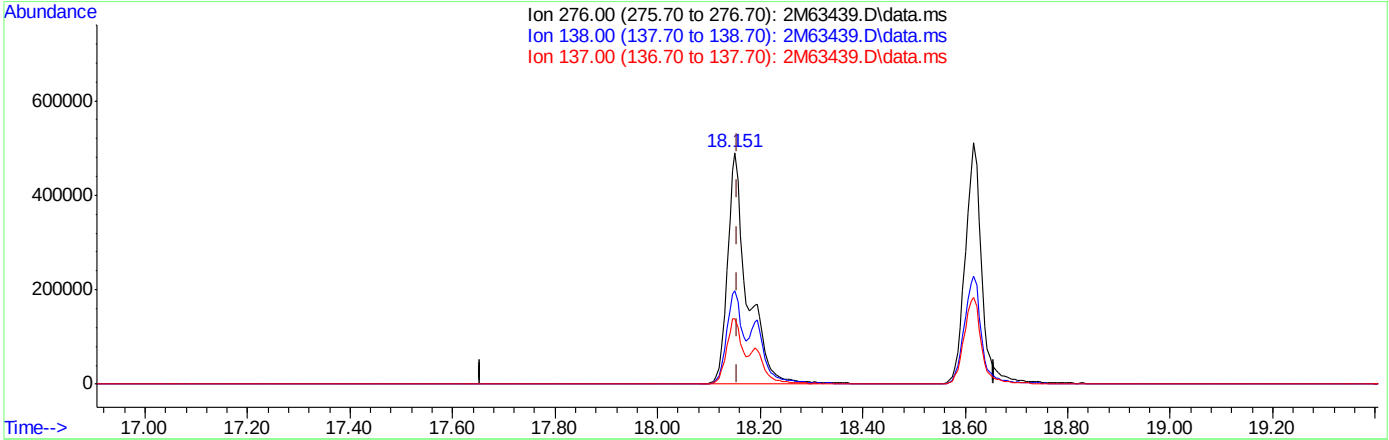
Ion	Exp%	Act%
276.00	100	100
138.00	41.90	36.27
137.00	28.60	26.30
0.00	0.00	0.00

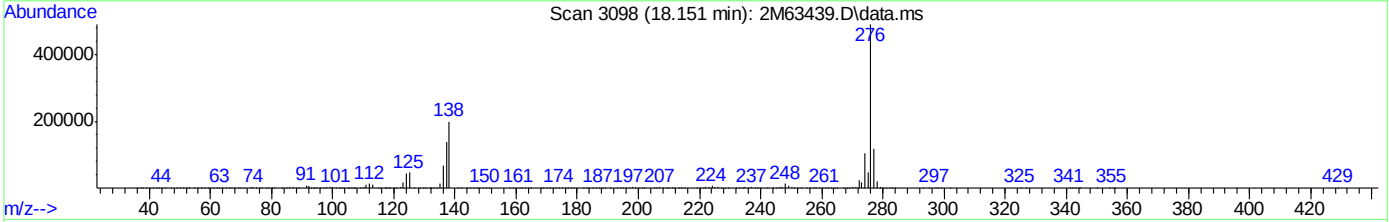
ACCUTEST LABORATORIES JB67744

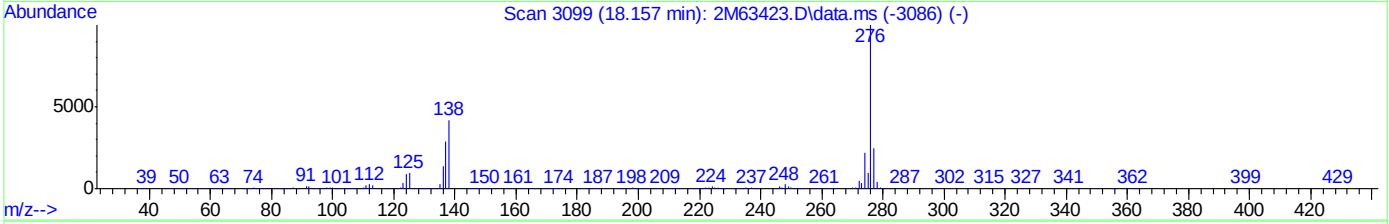
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63439.D
Acq On : 13 May 2014 11:06 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 14 12:26:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration







TIC: 2M63439.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.151min (-0.005) 48.86ppb m

response 1333352

Ion	Exp%	Act%
276.00	100	100
138.00	41.90	40.52
137.00	28.60	28.18
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63440.D
Acq On : 13 May 2014 11:32 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 14 12:51:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	646225	40.00	ppb		0.00
24) Naphthalene-d8	5.957	136	2690041	40.00	ppb		0.00
47) Acenaphthene-d10	8.059	164	1368247	40.00	ppb		0.00
69) Phenanthrene-d10	10.246	188	2015222	40.00	ppb		0.00
83) Chrysene-d12	14.429	240	1477350	40.00	ppb		0.00
92) Perylene-d12	16.541	264	1057153	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	646225	40.00	ppb		0.00
104) Acenaphthene-d10a	8.059	164	1368247	40.00	ppb		0.00
107) Chrysene-d12a	14.429	240	1477350	40.00	ppb		0.00
110) Phenanthrene-d10a	10.246	188	2015222	40.00	ppb		0.00
113) Naphthalene-d8a	5.957	136	2690041	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%			
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb		
109) 1-chlorooctadecane	0.000	57	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%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.432	88	490780	40.27	ppb		99
6) Indene	5.047	116	2146227	47.43	ppb		99
7) Cumene	4.245	105	2732061	42.21	ppb		99
13) Decane	4.716	43	967138	39.67	ppb		98
27) Quinoline	6.320	129	2395003	43.36	ppb		99
40) 2,3-Dichloroaniline	7.064	161	1022387	42.54	ppb		99
41) Caprolactam	6.368	55	468018	44.83	ppb		98
45) 1-Methylnaphthalene	6.844	142	2252862	42.96	ppb		99
46) Dimethylnaphthalene	7.502	156	1916385	42.86	ppb		99
48) Hexachlorocyclopentadiene	6.925	237	394150	53.79	ppb		99
53) Biphenyl	7.299	154	2637306	45.32	ppb		100
60) 2,4-Dinitrophenol	8.144	184	198637	39.95	ppb	#	80
82) Octadecane	10.198	57	1381861	47.69	ppb		99
100) 7,12-Dimethylbenz(a)an...	16.017	256	455680	29.85	ppb		98
103) Benzaldehyde	4.502	105	1063766	55.44	ppb		97
111) Atrazine	9.882	215	250818	55.34	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63440.D
Acq On : 13 May 2014 11:32 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 14 12:51:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

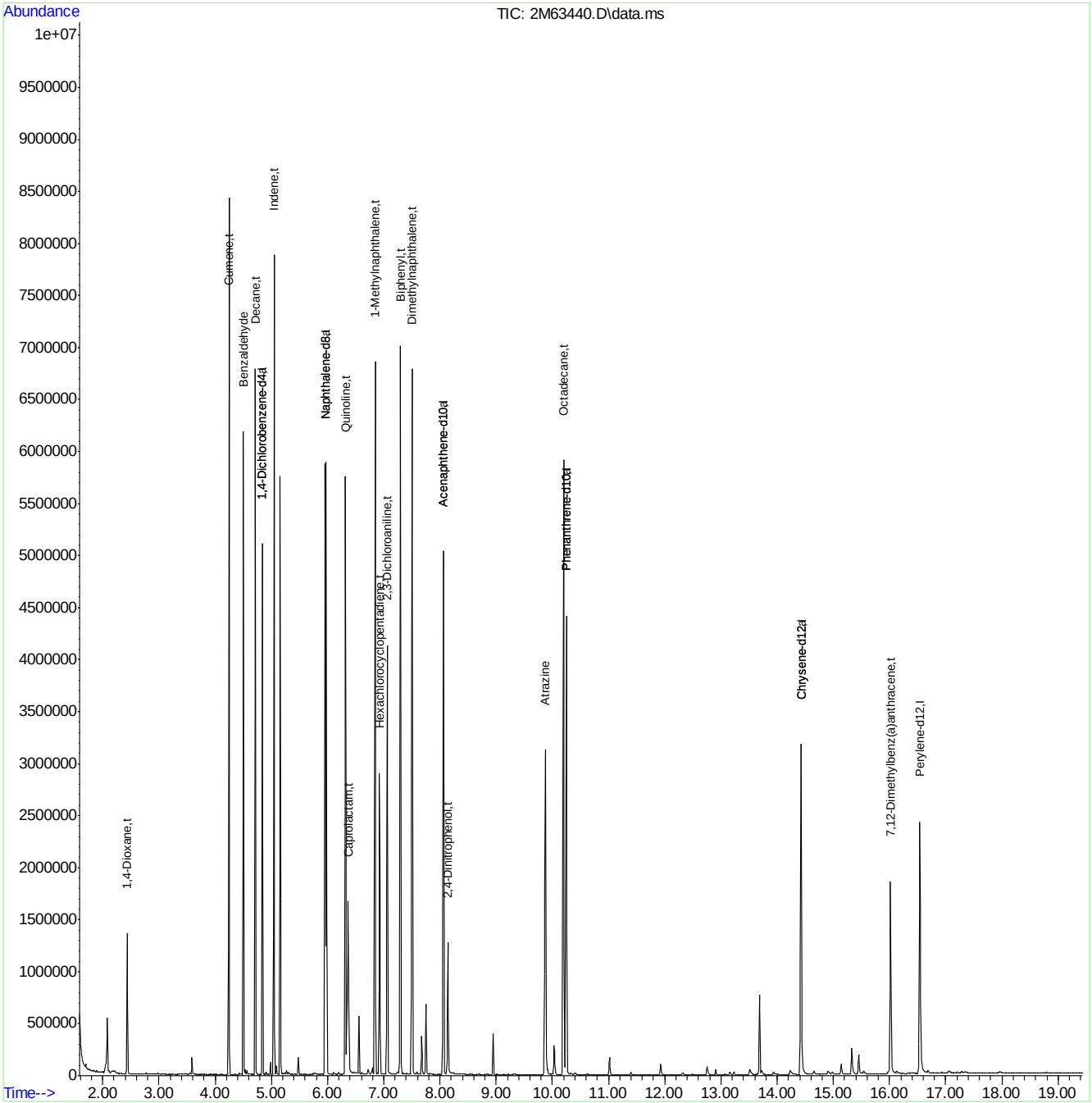
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63440.D
Acq On : 13 May 2014 11:32 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 14 12:51:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration



M2M2693.M Wed May 14 17:05:38 2014 MS2M Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63441.D
Acq On : 13 May 2014 11:57 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 14 11:39:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
QLast Update : Wed May 14 11:30:39 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	487195	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1898894	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	973741	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1406353	40.00	ppb	0.00
83) Chrysene-d12	14.423	240	1029963	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	819856	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	487195	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	973741	40.00	ppb	0.00
107) Chrysene-d12a	14.423	240	1029963	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.246	188	1406353	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1898894	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.854	112	876030	48.52	ppb	0.00
Spiked Amount 50.000			Recovery = 97.04%			
8) Phenol-d5	4.550	99	1063162	47.82	ppb	0.00
Spiked Amount 50.000			Recovery = 95.64%			
25) Nitrobenzene-d5	5.288	82	880398	51.84	ppb	0.00
Spiked Amount 50.000			Recovery = 103.68%			
51) 2-Fluorobiphenyl	7.171	172	1503951	50.40	ppb	0.00
Spiked Amount 50.000			Recovery = 100.80%			
73) 2,4,6-Tribromophenol	9.192	330	109178	52.89	ppb	0.00
Spiked Amount 50.000			Recovery = 105.78%			
85) Terphenyl-d14	12.803	244	1141839	55.41	ppb	0.00
Spiked Amount 50.000			Recovery = 110.82%			
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%			

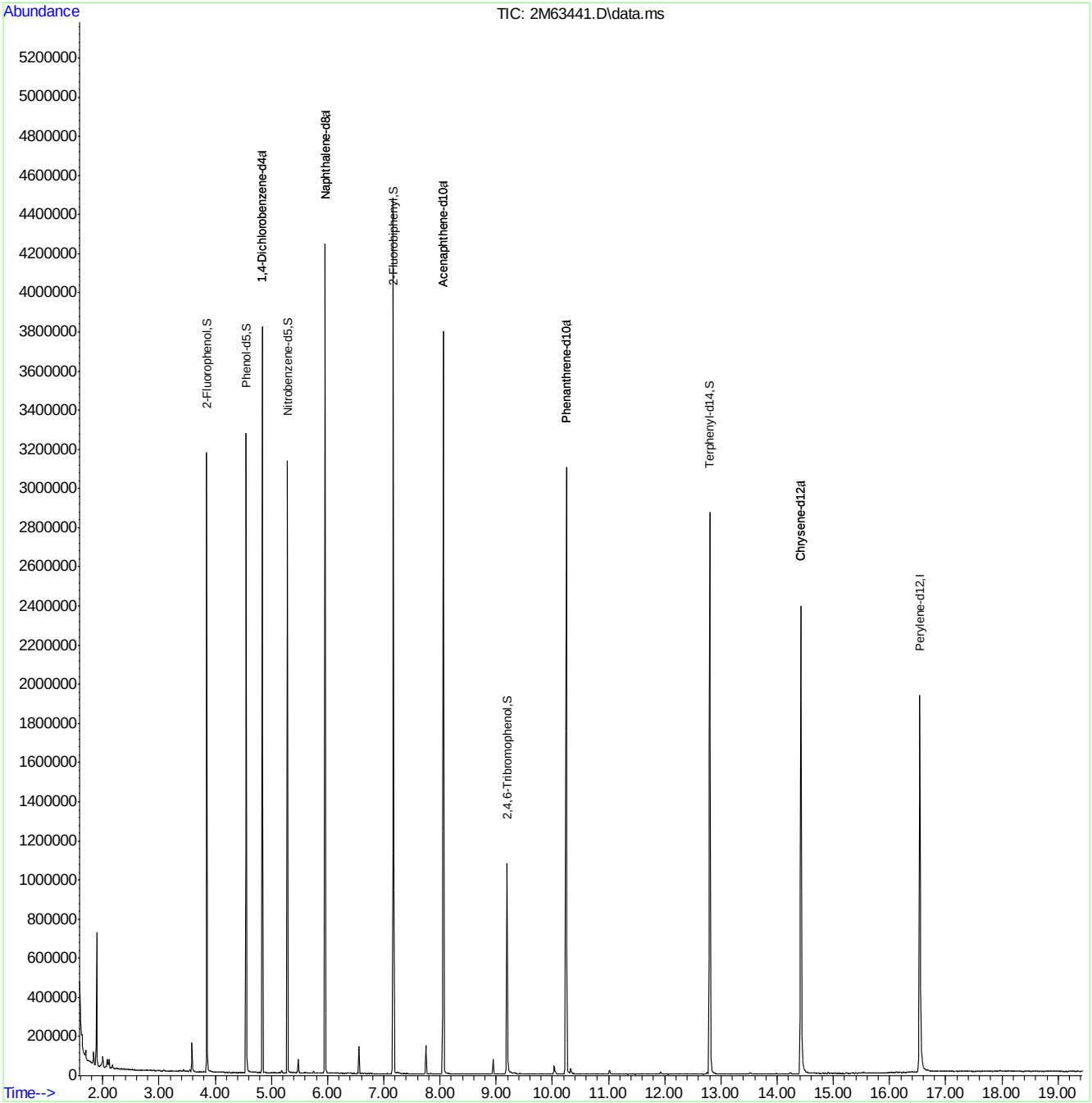
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63441.D
Acq On : 13 May 2014 11:57 pm
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 14 11:39:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
QLast Update : Wed May 14 11:30:39 2014
Response via : Initial Calibration



M2M2693.M Wed May 14 17:06:07 2014 MS2M Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63442.D
Acq On : 14 May 2014 12:23 am
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 14 12:56:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

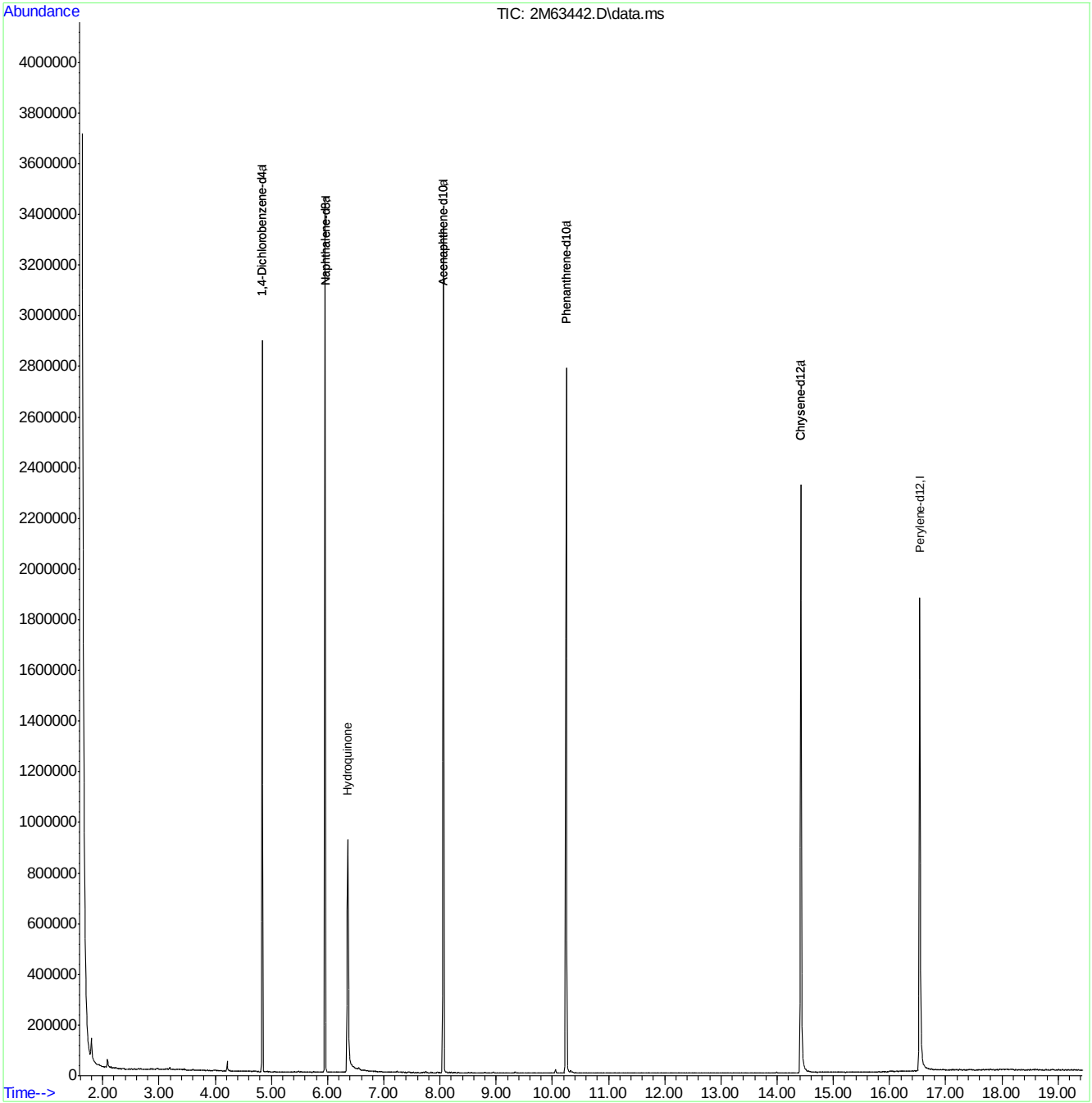
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	403102	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1602614	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	854249	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1281473	40.00	ppb	0.00
83) Chrysene-d12	14.424	240	990831	40.00	ppb	-0.01
92) Perylene-d12	16.536	264	804069	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	403102	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	854249	40.00	ppb	0.00
107) Chrysene-d12a	14.424	240	990831	40.00	ppb	0.00
110) Phenanthrene-d10a	10.246	188	1281473	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1602614	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%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
114) Hydroquinone	6.358	110	721353	61.79	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63442.D
Acq On : 14 May 2014 12:23 am
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 14 12:56:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration



M2M2693.M Wed May 14 12:56:11 2014 MS2M Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63444.D
Acq On : 14 May 2014 1:14 am
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 14 11:41:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
QLast Update : Wed May 14 11:30:39 2014
Response via : Initial Calibration

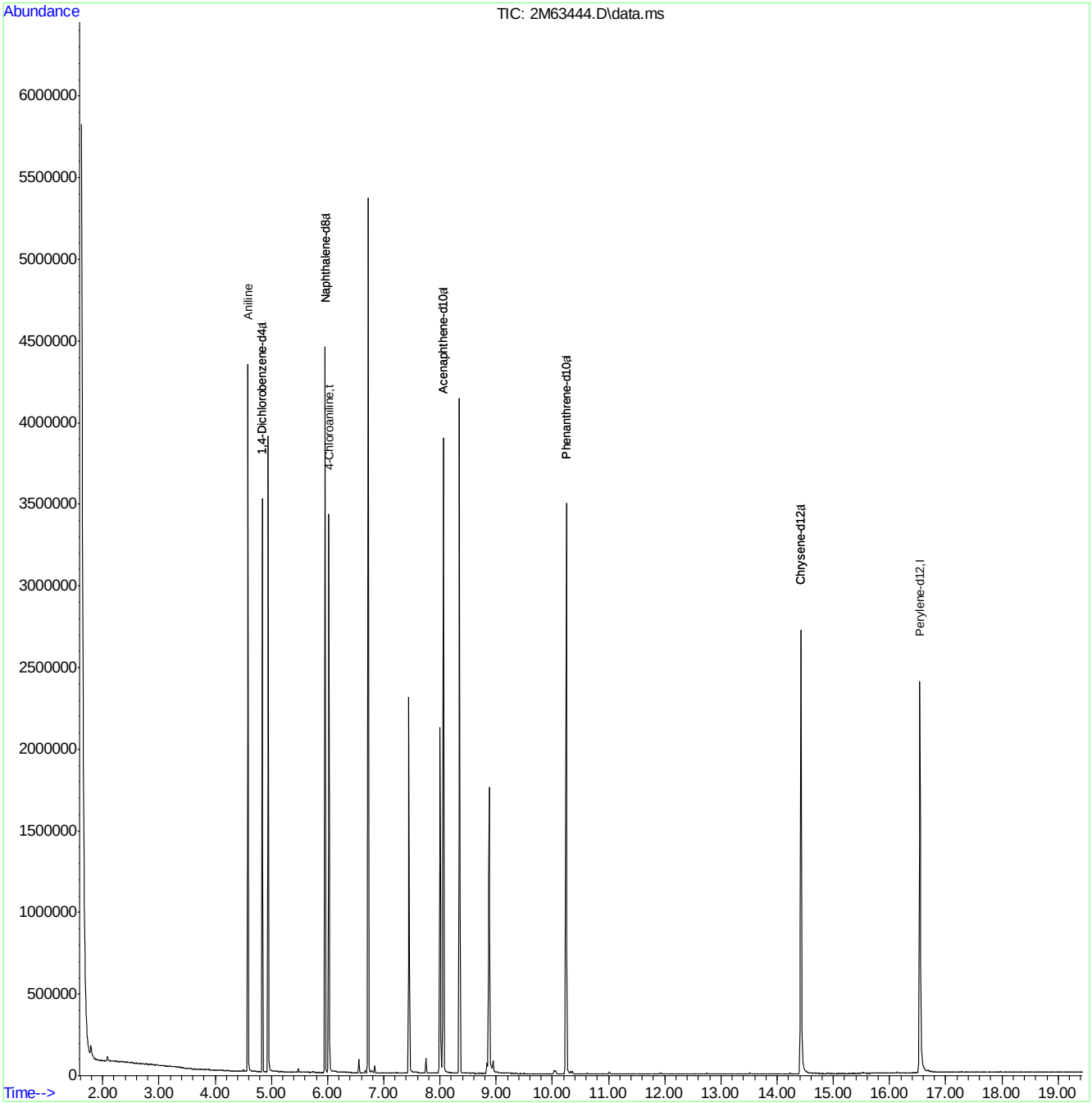
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	468077	40.00	ppb	0.00
24) Naphthalene-d8	5.957	136	1908070	40.00	ppb	0.00
47) Acenaphthene-d10	8.059	164	1027806	40.00	ppb	0.00
69) Phenanthrene-d10	10.246	188	1565545	40.00	ppb	0.00
83) Chrysene-d12	14.423	240	1221271	40.00	ppb	-0.01
92) Perylene-d12	16.542	264	1041472	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	468077	40.00	ppb	0.00
104) Acenaphthene-d10a	8.059	164	1027806	40.00	ppb	0.00
107) Chrysene-d12a	14.423	240	1221271	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.246	188	1565545	40.00	ppb	0.00
113) Naphthalene-d8a	5.957	136	1908070	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%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
10) Aniline	4.582	93	1413798	49.33	ppb	100
39) 4-Chloroaniline	6.026	127	1113237	51.24	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2693\
Data File : 2M63444.D
Acq On : 14 May 2014 1:14 am
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2693,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 14 11:41:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 11:30:39 2014
QLast Update : Wed May 14 11:30:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2694\
Data File : 2M63446.D
Acq On : 14 May 2014 11:40 am
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2694,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 12:59:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration

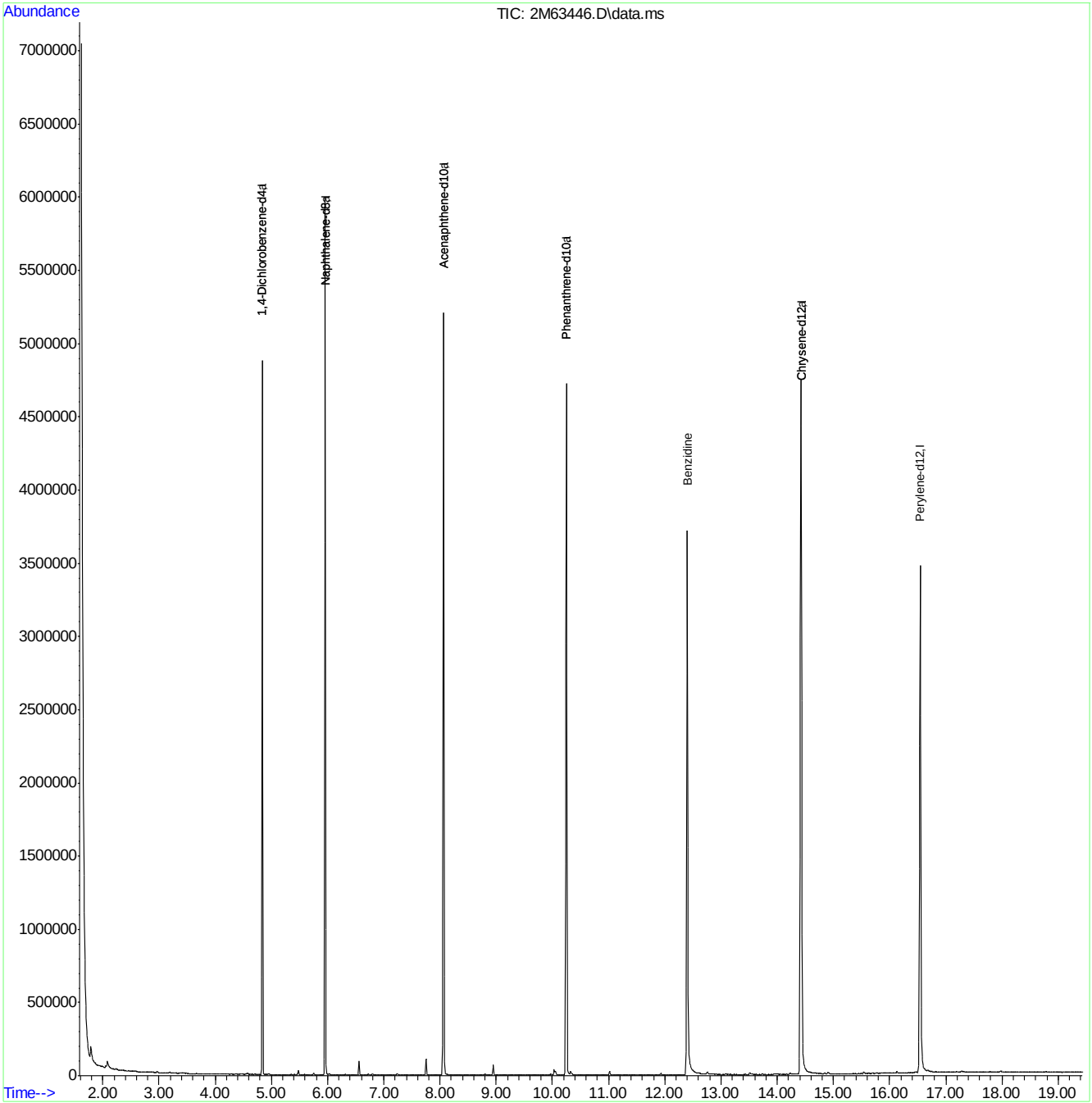
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.839	152	656382	40.00	ppb	0.00
24) Naphthalene-d8	5.956	136	2638428	40.00	ppb	0.00
47) Acenaphthene-d10	8.064	164	1441979	40.00	ppb	0.00
69) Phenanthrene-d10	10.251	188	2194031	40.00	ppb	0.00
83) Chrysene-d12	14.434	240	1791717	40.00	ppb	0.00
92) Perylene-d12	16.547	264	1583581	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.839	152	656382	40.00	ppb	0.00
104) Acenaphthene-d10a	8.064	164	1441979	40.00	ppb	0.00
107) Chrysene-d12a	14.434	240	1791717	40.00	ppb	0.01
110) Phenanthrene-d10a	10.251	188	2194031	40.00	ppb	0.00
113) Naphthalene-d8a	5.956	136	2638428	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%		
106) 2-bromonaphthalene	0.000	127	0	0.00	ppb	
109) 1-chlorooctadecane	0.000	57	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%		
Target Compounds						Qvalue
108) Benzidine	12.402	184	2069425	53.75	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2694\
Data File : 2M63446.D
Acq On : 14 May 2014 11:40 am
Operator : olgaa
Sample : icv2693-50
Misc : op74725,E2M2694,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 12:59:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 14 12:22:20 2014
QLast Update : Wed May 14 12:22:20 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63908.D
Acq On : 27 May 2014 10:32 pm
Operator : ashleyd
Sample : cc2693-25
Misc : op75039,E2M2711
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 10:04:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 27 22:52:09 2014
QLast Update : Tue May 27 22:52:09 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	415995	40.00	ppb	-0.01
24) Naphthalene-d8	5.855	136	1646629	40.00	ppb	-0.02
47) Acenaphthene-d10	7.941	164	952801	40.00	ppb	-0.01
69) Phenanthrene-d10	10.123	188	1517198	40.00	ppb	-0.01
83) Chrysene-d12	14.306	240	1232024	40.00	ppb	0.00
92) Perylene-d12	16.418	264	1080610	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.753	152	415995	40.00	ppb	-0.01
104) Acenaphthene-d10a	7.941	164	952801	40.00	ppb	-0.01
106) Chrysene-d12a	14.306	240	1232024	40.00	ppb	0.00
108) Phenanthrene-d10a	10.123	188	1517198	40.00	ppb	-0.01
110) Naphthalene-d8a	5.855	136	1646629	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.796	112	368940	23.93	ppb	0.00
Spiked Amount 50.000			Recovery = 47.86%			
8) Phenol-d5	4.507	99	442006	23.29	ppb	0.00
Spiked Amount 50.000			Recovery = 46.58%			
25) Nitrobenzene-d5	5.197	82	371989	25.26	ppb	-0.01
Spiked Amount 50.000			Recovery = 50.52%			
51) 2-Fluorobiphenyl	7.058	172	715856	24.52	ppb	-0.01
Spiked Amount 50.000			Recovery = 49.04%			
73) 2,4,6-Tribromophenol	9.080	330	66999	30.09	ppb	-0.01
Spiked Amount 50.000			Recovery = 60.18%			
85) Terphenyl-d14	12.669	244	640035	25.97	ppb	-0.01
Spiked Amount 50.000			Recovery = 51.94%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.330	88	191171	24.37	ppb	99
3) Pyridine	2.651	79	472362	24.72	ppb	97
4) N-Nitrosodimethylamine	2.619	74	250316	23.76	ppb	92
6) Indene	4.956	116	738394	25.35	ppb	99
7) Cumene	4.159	105	1058517	25.40	ppb	98
9) Phenol	4.518	94	532904	24.48	ppb	88
10) Aniline	4.507	93	487088	19.12	ppb	87
11) bis(2-Chloroethyl)ether	4.544	93	366622	23.57	ppb	96
12) 2-Chlorophenol	4.609	128	414816	25.10	ppb	97
13) Decane	4.625	43	399193	25.44	ppb	96
14) 1,3-Dichlorobenzene	4.710	146	441226	24.69	ppb	99
15) 1,4-Dichlorobenzene	4.769	146	442909	24.77	ppb	98
16) Benzyl alcohol	4.865	108	273503	24.96	ppb	99
17) 1,2-Dichlorobenzene	4.887	146	413551	24.87	ppb	100
18) Acetophenone	5.069	105	588730	26.19	ppb	93
19) 2-Methylphenol	4.967	108	361593	24.35	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.962	45	424752	23.39	ppb	93
21) 3&4-Methylphenol	5.090	108	401499	27.67	ppb	100
22) n-Nitroso-di-n-propyla...	5.069	70	238634	24.59	ppb	98
23) Hexachloroethane	5.160	201	127278	27.62	ppb	90
26) Nitrobenzene	5.213	77	392519	25.43	ppb	99
27) Quinoline	6.219	129	891355	26.36	ppb	100
28) Isophorone	5.416	82	699771	24.92	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63908.D
Acq On : 27 May 2014 10:32 pm
Operator : ashleyd
Sample : cc2693-25
Misc : op75039,E2M2711
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 10:04:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 27 22:52:09 2014
QLast Update : Tue May 27 22:52:09 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.497	139	219246	28.43	ppb		91
30) 2,4-Dimethylphenol	5.539	107	334717	25.50	ppb		93
31) Benzoic acid	5.641	105	268018	28.32	ppb		98
32) bis(2-Chloroethoxy)met...	5.609	93	405727	24.00	ppb		100
33) 2,4-Dichlorophenol	5.732	162	309678	27.85	ppb		99
34) 2,6-Dichlorophenol	5.946	162	307192	27.79	ppb		99
35) 1,3,5-Trichlorobenzene	5.507	180	381913	27.60	ppb		99
36) 1,2,4-Trichlorobenzene	5.801	180	323447	26.77	ppb		99
37) 1,2,3-Trichlorobenzene	6.026	180	364972	28.07	ppb		99
38) Naphthalene	5.876	128	1160230	24.89	ppb		99
39) 4-Chloroaniline	5.930	127	451730	24.09	ppb		99
40) 2,3-Dichloroaniline	6.957	161	418006	28.41	ppb		100
41) Caprolactam	6.288	55	179466	28.08	ppb		94
42) Hexachlorobutadiene	5.999	225	145418	28.68	ppb		99
43) 4-Chloro-3-methylphenol	6.475	107	334360	28.01	ppb		99
44) 2-Methylnaphthalene	6.614	141	643653	25.35	ppb		98
45) 1-Methylnaphthalene	6.732	142	855434	26.65	ppb		99
46) Dimethylnaphthalene	7.385	156	751567	27.46	ppb		98
48) Hexachlorocyclopentadiene	6.807	237	276094	54.11	ppb		99
49) 2,4,6-Trichlorophenol	6.973	196	196634	28.52	ppb		99
50) 2,4,5-Trichlorophenol	7.032	196	215186	28.43	ppb		97
52) 2-Chloronaphthalene	7.208	162	673977	24.39	ppb		98
53) Biphenyl	7.181	154	1031553	25.46	ppb		98
54) 2-Nitroaniline	7.347	65	199958	27.04	ppb		99
55) Dimethylphthalate	7.588	163	719962	24.80	ppb		99
56) Acenaphthylene	7.748	152	1143602	24.70	ppb		100
57) 2,6-Dinitrotoluene	7.668	165	173667	27.93	ppb		91
58) 3-Nitroaniline	7.898	138	219311	26.72	ppb		99
59) Acenaphthene	7.984	153	679713	23.72	ppb		100
60) 2,4-Dinitrophenol	8.053	184	178533	51.56	ppb	#	91
61) 4-Nitrophenol	8.214	109	96489	28.51	ppb	#	1
62) Dibenzofuran	8.230	168	890431	23.72	ppb		97
63) 2,4-Dinitrotoluene	8.230	165	223957	27.55	ppb		80
64) 2,3,4,6-Tetrachlorophenol	8.428	232	146150	29.35	ppb		97
65) Diethylphthalate	8.588	149	795346	27.52	ppb		98
66) Fluorene	8.716	166	741496	24.79	ppb		99
67) 4-Chlorophenyl-phenyle...	8.732	204	310956	26.30	ppb		97
68) 4-Nitroaniline	8.770	138	203563	23.76	ppb		97
70) 4,6-Dinitro-2-methylph...	8.829	198	119275	26.72	ppb		93
71) n-Nitrosodiphenylamine	8.909	169	515284	24.41	ppb		96
72) 1,2-Diphenylhydrazine	8.962	77	752615	22.14	ppb		97
74) 4-Bromophenyl-phenylether	9.455	248	160856	27.34	ppb		97
75) Hexachlorobenzene	9.551	284	159508	25.74	ppb		96
76) Pentachlorophenol	9.872	266	189967	50.29	ppb		98
77) Phenanthrene	10.155	178	1087354	23.53	ppb		99
78) Anthracene	10.235	178	1104320	24.10	ppb		99
79) Carbazole	10.514	167	1199234	24.99	ppb		99
80) Di-n-butylphthalate	11.118	149	1281470	25.85	ppb		100
81) Fluoranthene	12.022	202	1040761	25.54	ppb		96
82) Octadecane	10.054	57	544906	24.98	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63908.D
Acq On : 27 May 2014 10:32 pm
Operator : ashleyd
Sample : cc2693-25
Misc : op75039,E2M2711
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 10:04:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 27 22:52:09 2014
QLast Update : Tue May 27 22:52:09 2014
Response via : Initial Calibration

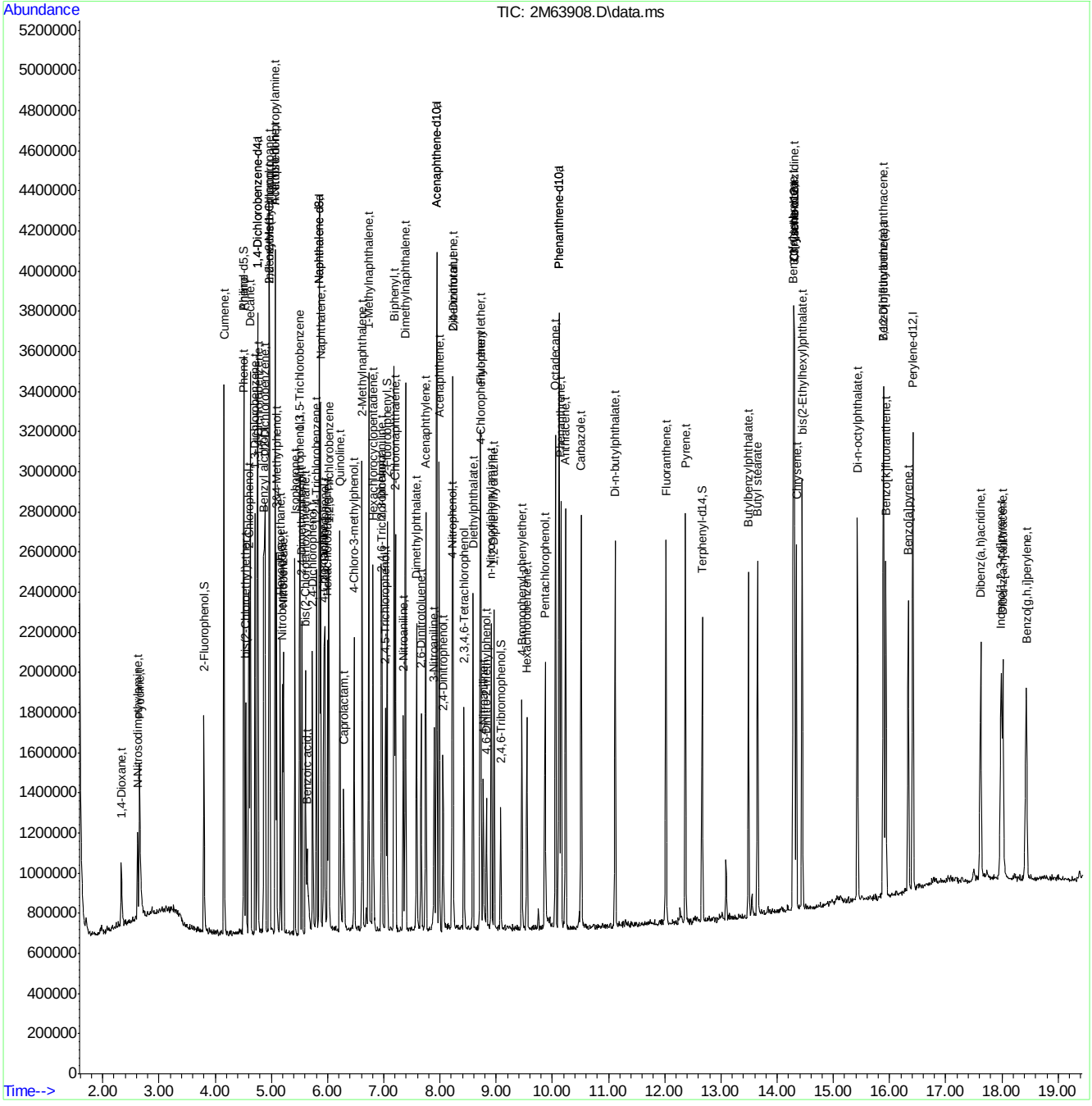
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.370	202	1103889	24.50	ppb	100
86) Butylbenzylphthalate	13.487	149	574036	27.36	ppb	100
87) Butyl stearate	13.653	56	335017	26.60	ppb	96
88) Benzo[a]anthracene	14.284	228	839109	24.56	ppb	99
89) 3,3'-Dichlorobenzidine	14.290	252	289191	28.58	ppb	98
90) Chrysene	14.343	228	831113	23.87	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.445	149	808080	29.21	ppb	100
93) Di-n-octylphthalate	15.429	149	1388164	26.80	ppb	100
94) Benzo[b]fluoranthene	15.894	252	817647	26.79	ppb	99
95) Benzo[k]fluoranthene	15.932	252	798073	23.03	ppb	98
96) Benzo[a]pyrene	16.338	252	763673	27.55	ppb	93
97) Indeno[1,2,3-cd]pyrene	17.986	276	875650	26.98	ppb	92
98) Dibenz(a,h)acridine	17.622	279	759623	29.39	ppb	98
99) Dibenz[a,h]anthracene	18.018	278	753044	27.02	ppb	99
100) 7,12-Dimethylbenz(a)an...	15.894	256	364811	23.52	ppb	98
101) Benzo[g,h,i]perylene	18.435	276	717257	26.68	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63908.D
Acq On : 27 May 2014 10:32 pm
Operator : ashleyd
Sample : cc2693-25
Misc : op75039,E2M2711
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 10:04:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umTue May 27 22:52:09 2014
QLast Update : Tue May 27 22:52:09 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63909.D
Acq On : 27 May 2014 10:57 pm
Operator : ashleyd
Sample : cc2693-25
Misc : op75039,E2M2711
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:16:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration

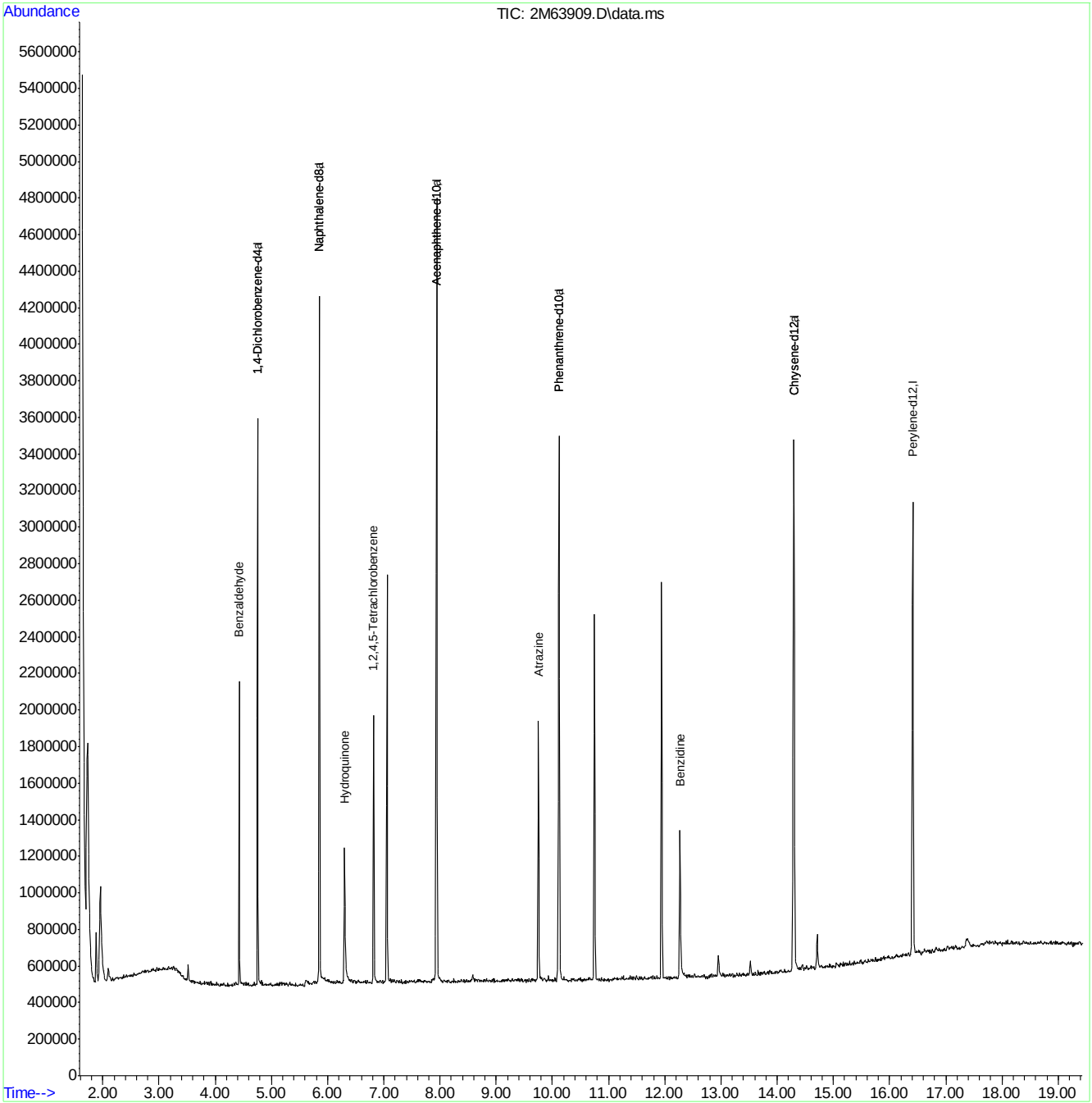
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.753	152	443473	40.00	ppb	-0.06
24) Naphthalene-d8	5.855	136	1707856	40.00	ppb	-0.08
47) Acenaphthene-d10	7.941	164	932232	40.00	ppb	-0.10
69) Phenanthrene-d10	10.118	188	1536339	40.00	ppb	-0.13
83) Chrysene-d12	14.300	240	1301728	40.00	ppb	-0.22
92) Perylene-d12	16.413	264	1165661	40.00	ppb	-0.38
102) 1,4-Dichlorobenzene-d4a	4.753	152	443473	40.00	ppb	-0.06
104) Acenaphthene-d10a	7.941	164	932232	40.00	ppb	-0.10
106) Chrysene-d12a	14.300	240	1301728	40.00	ppb	-0.22
108) Phenanthrene-d10a	10.118	188	1536339	40.00	ppb	-0.13
110) Naphthalene-d8a	5.855	136	1707856	40.00	ppb	-0.08
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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.427	105	305771	23.22	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.818	216	279021	27.57	ppb	99
107) Benzidine	12.268	184	511564	18.29	ppb	98
109) Atrazine	9.754	215	107166	31.01	ppb	89
111) Hydroquinone	6.299	110	459523	36.93	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M2711\
Data File : 2M63909.D
Acq On : 27 May 2014 10:57 pm
Operator : ashleyd
Sample : cc2693-25
Misc : op75039,E2M2711
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:16:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2M2693.M
Quant Title : Semi Volatile GC/MS, rxi-5sil ms 30mx .25mmx .25umWed May 21 11:24:03 2014
QLast Update : Wed May 21 11:24:03 2014
Response via : Initial Calibration



M2M2693.M Thu May 29 16:16:48 2014 MS2M Page: 2

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6524.D
Acq On : 26 Apr 2014 10:41 am
Operator : ashleyd
Sample : icc276-50
Misc : op73158,e6p276
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 11:40:15 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

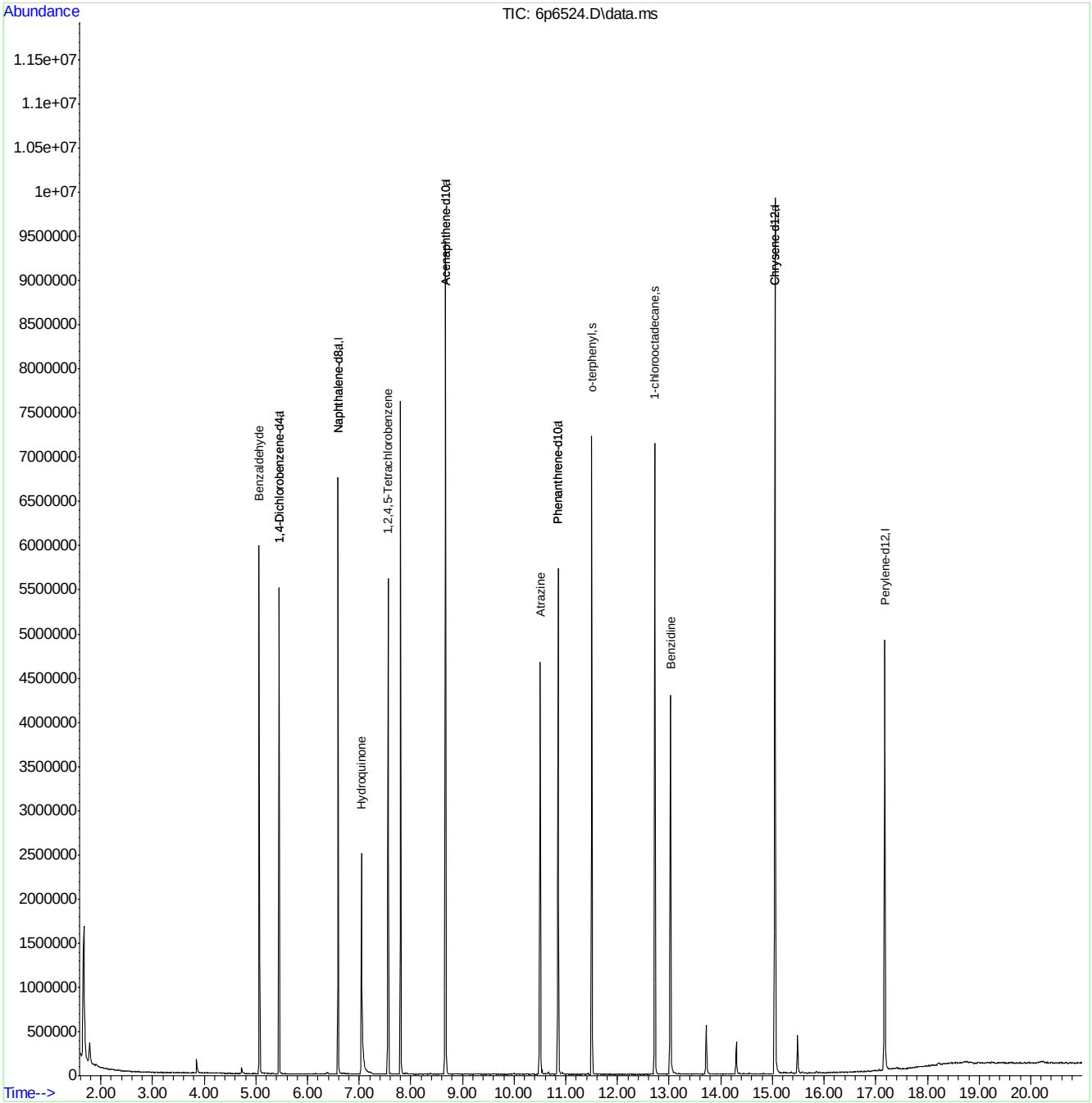
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.448	152	581024	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2273842	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1324101	40.00	ppb	-0.13
69) Phenanthrene-d10	10.851	188	2240011	40.00	ppb	-0.14
83) Chrysene-d12	15.049	240	2340921	40.00	ppb	-0.16
92) Perylene-d12	17.178	264	2203334	40.00	ppb	-0.16
102) 1,4-Dichlorobenzene-d4a	5.448	152	581024	40.00	ppb	0.00
104) Phenanthrene-d10a	10.851	188	2240011	40.00	ppb	0.00
107) Chrysene-d12a	15.049	240	2340921	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1324101	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2273842	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%		
106) o-terphenyl	11.503	230	1509433	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
109) 1-chlorooctadecane	12.723	57	961980	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
Target Compounds						Qvalue
103) Benzaldehyde	5.063	105	971891	50.00	ppb	90
105) Atrazine	10.503	215	309600	50.00	ppb #	80
108) Benzidine	13.027	184	1901610	50.00	ppb	98
111) 1,2,4,5-Tetrachloroben...	7.561	216	818028	50.00	ppb	96
113) Hydroquinone	7.042	110	1237857	50.00	ppb	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6524.D
Acq On : 26 Apr 2014 10:41 am
Operator : ashleyd
Sample : icc276-50
Misc : op73158,e6p276
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 11:40:15 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6525.D
Acq On : 26 Apr 2014 11:09 am
Operator : ashleyd
Sample : ic276-25
Misc : op73158,e6p276
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 11:40:59 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

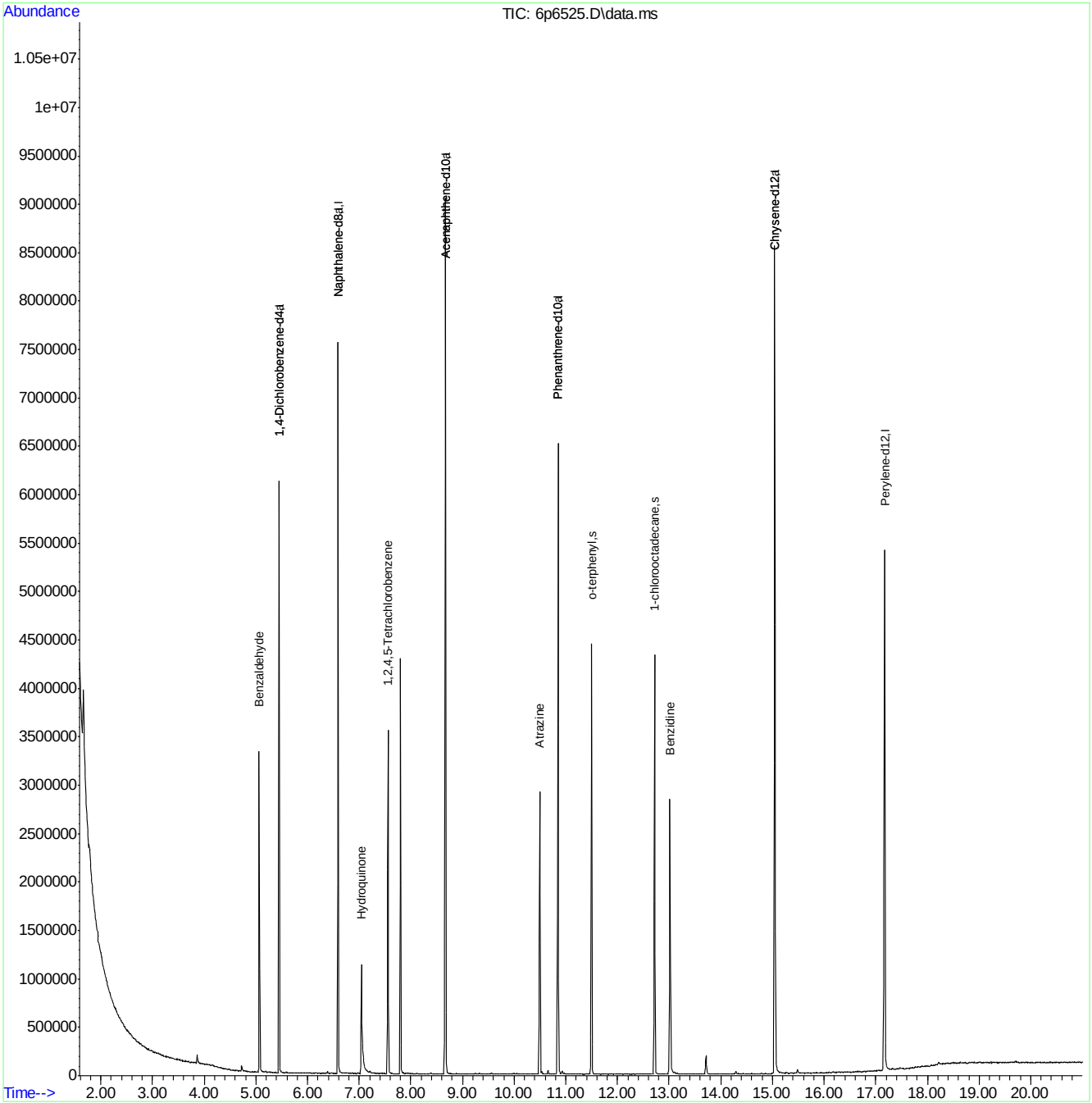
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.449	152	677596	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2696593	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1591797	40.00	ppb	-0.13
69) Phenanthrene-d10	10.851	188	2598487	40.00	ppb	-0.14
83) Chrysene-d12	15.049	240	2631552	40.00	ppb	-0.16
92) Perylene-d12	17.173	264	2410979	40.00	ppb	-0.17
102) 1,4-Dichlorobenzene-d4a	5.449	152	677596	40.00	ppb	0.00
104) Phenanthrene-d10a	10.851	188	2598487	40.00	ppb	0.00
107) Chrysene-d12a	15.049	240	2631552	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1591797	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2696593	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%		
106) o-terphenyl	11.498	230	900792	25.72	ppb	0.00
Spiked Amount 50.000			Recovery =	51.44%		
109) 1-chlorooctadecane	12.717	57	576531	26.66	ppb	0.00
Spiked Amount 50.000			Recovery =	53.32%		
Target Compounds						Qvalue
103) Benzaldehyde	5.063	105	598182	26.39	ppb	89
105) Atrazine	10.498	215	182597	25.42	ppb #	84
108) Benzidine	13.017	184	1170642	27.38	ppb	98
111) 1,2,4,5-Tetrachloroben...	7.556	216	498050	25.32	ppb	98
113) Hydroquinone	7.042	110	690153	23.51	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6525.D
Acq On : 26 Apr 2014 11:09 am
Operator : ashleyd
Sample : ic276-25
Misc : op73158,e6p276
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 11:40:59 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6526.D
Acq On : 26 Apr 2014 11:38 am
Operator : ashleyd
Sample : ic276-80
Misc : op73158,e6p276
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 11:41:40 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

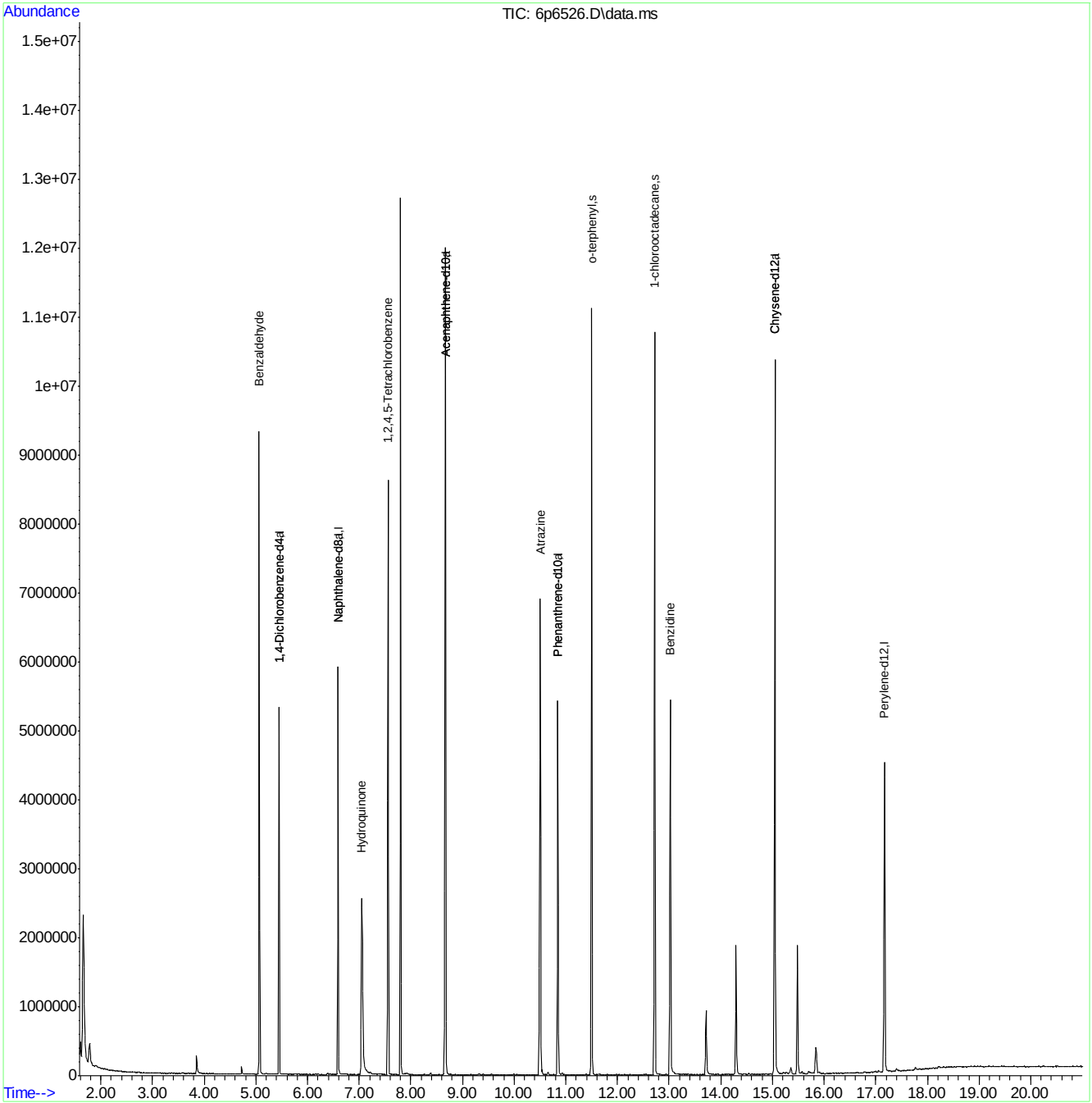
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.448	152	576942	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2262541	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1291901	40.00	ppb	-0.13
69) Phenanthrene-d10	10.845	188	2145254	40.00	ppb	-0.15
83) Chrysene-d12	15.044	240	2132218	40.00	ppb	-0.17
92) Perylene-d12	17.167	264	2029920	40.00	ppb	-0.17
102) 1,4-Dichlorobenzene-d4a	5.448	152	576942	40.00	ppb	0.00
104) Phenanthrene-d10a	10.845	188	2145254	40.00	ppb	0.00
107) Chrysene-d12a	15.044	240	2132218	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1291901	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2262541	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%		
106) o-terphenyl	11.503	230	2474095	85.57	ppb	0.00
Spiked Amount 50.000			Recovery =	171.14%		
109) 1-chlorooctadecane	12.717	57	1543144	88.06	ppb	0.00
Spiked Amount 50.000			Recovery =	176.12%		
Target Compounds						Qvalue
103) Benzaldehyde	5.063	105	1583809	82.06	ppb	92
105) Atrazine	10.508	215	500256	84.36	ppb	83
108) Benzidine	13.022	184	2309736	66.68	ppb	98
111) 1,2,4,5-Tetrachloroben...	7.561	216	1366636	85.61	ppb	97
113) Hydroquinone	7.048	110	2102711	85.36	ppb	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6526.D
Acq On : 26 Apr 2014 11:38 am
Operator : ashleyd
Sample : ic276-80
Misc : op73158,e6p276
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 11:41:40 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6527.D
Acq On : 26 Apr 2014 12:06 pm
Operator : ashleyd
Sample : ic276-100
Misc : op73158,e6p276
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 11:42:26 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

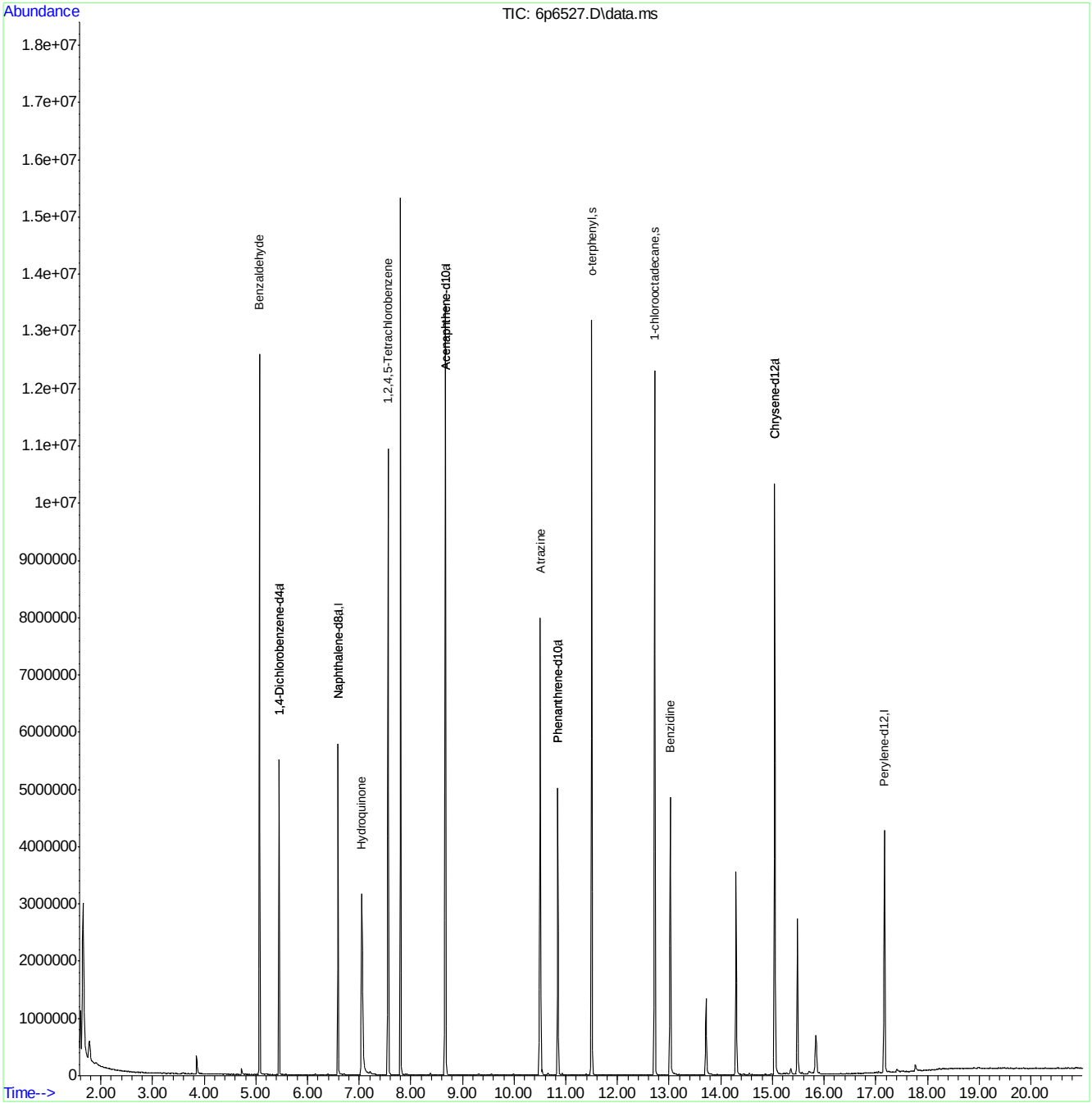
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.449	152	558308	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2169497	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1236790	40.00	ppb	-0.13
69) Phenanthrene-d10	10.845	188	2047473	40.00	ppb	-0.15
83) Chrysene-d12	15.044	240	1979788	40.00	ppb	-0.17
92) Perylene-d12	17.167	264	1846934	40.00	ppb	-0.17
102) 1,4-Dichlorobenzene-d4a	5.449	152	558308	40.00	ppb	0.00
104) Phenanthrene-d10a	10.845	188	2047473	40.00	ppb	0.00
107) Chrysene-d12a	15.044	240	1979788	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1236790	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2169497	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%		
106) o-terphenyl	11.503	230	2920533	105.84	ppb	0.00
Spiked Amount 50.000			Recovery =	211.68%		
109) 1-chlorooctadecane	12.717	57	1812092	111.37	ppb	0.00
Spiked Amount 50.000			Recovery =	222.74%		
Target Compounds						Qvalue
103) Benzaldehyde	5.069	105	1884864	100.91	ppb	93
105) Atrazine	10.508	215	607049	107.26	ppb #	85
108) Benzidine	13.022	184	2078911	64.63	ppb	98
111) 1,2,4,5-Tetrachloroben...	7.561	216	1658202	108.51	ppb	98
113) Hydroquinone	7.048	110	2550873	107.99	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6527.D
Acq On : 26 Apr 2014 12:06 pm
Operator : ashleyd
Sample : ic276-100
Misc : op73158,e6p276
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 11:42:26 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6528.D
Acq On : 26 Apr 2014 12:34 pm
Operator : ashleyd
Sample : ic276-10
Misc : op73158,e6p276
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 11:44:11 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

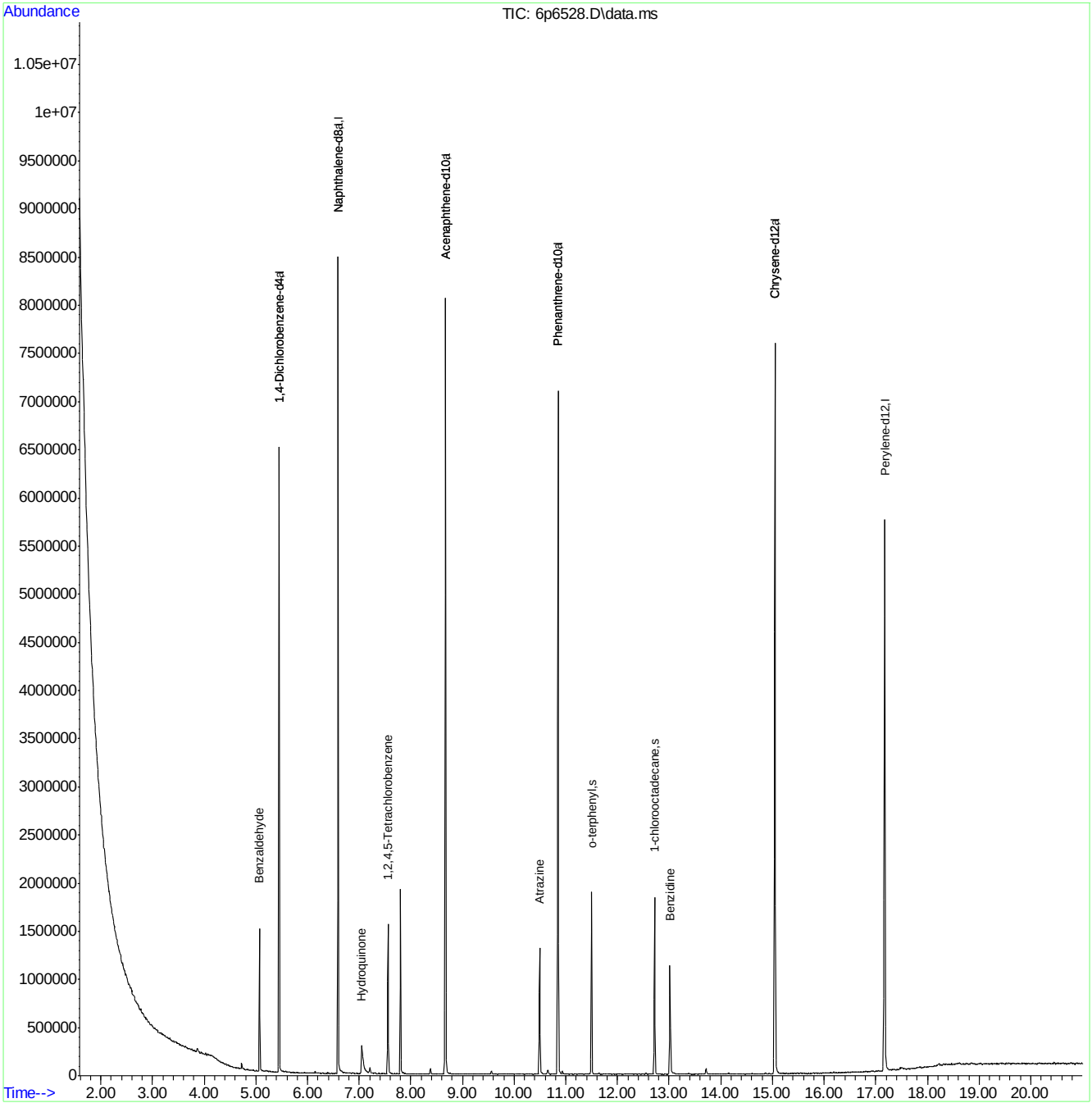
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.449	152	743187	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2966465	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1715675	40.00	ppb	-0.13
69) Phenanthrene-d10	10.851	188	2793871	40.00	ppb	-0.14
83) Chrysene-d12	15.049	240	2742820	40.00	ppb	-0.16
92) Perylene-d12	17.173	264	2504164	40.00	ppb	-0.17
102) 1,4-Dichlorobenzene-d4a	5.449	152	743187	40.00	ppb	0.00
104) Phenanthrene-d10a	10.851	188	2793871	40.00	ppb	0.00
107) Chrysene-d12a	15.049	240	2742820	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1715675	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2966465	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%		
106) o-terphenyl	11.498	230	389669	10.35	ppb	0.00
Spiked Amount 50.000			Recovery =	20.70%		
109) 1-chlorooctadecane	12.717	57	242730	10.77	ppb	0.00
Spiked Amount 50.000			Recovery =	21.54%		
Target Compounds						Qvalue
103) Benzaldehyde	5.069	105	263529	10.60	ppb	91
105) Atrazine	10.492	215	78385	10.15	ppb #	86
108) Benzidine	13.017	184	475202	10.66	ppb	97
111) 1,2,4,5-Tetrachloroben...	7.556	216	226485	10.68	ppb	99
113) Hydroquinone	7.048	110	256563	7.94	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6528.D
Acq On : 26 Apr 2014 12:34 pm
Operator : ashleyd
Sample : ic276-10
Misc : op73158,e6p276
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 11:44:11 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6529.D
Acq On : 26 Apr 2014 1:46 pm
Operator : ashleyd
Sample : ic276-5
Misc : op73158,e6p276
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 11:44:47 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

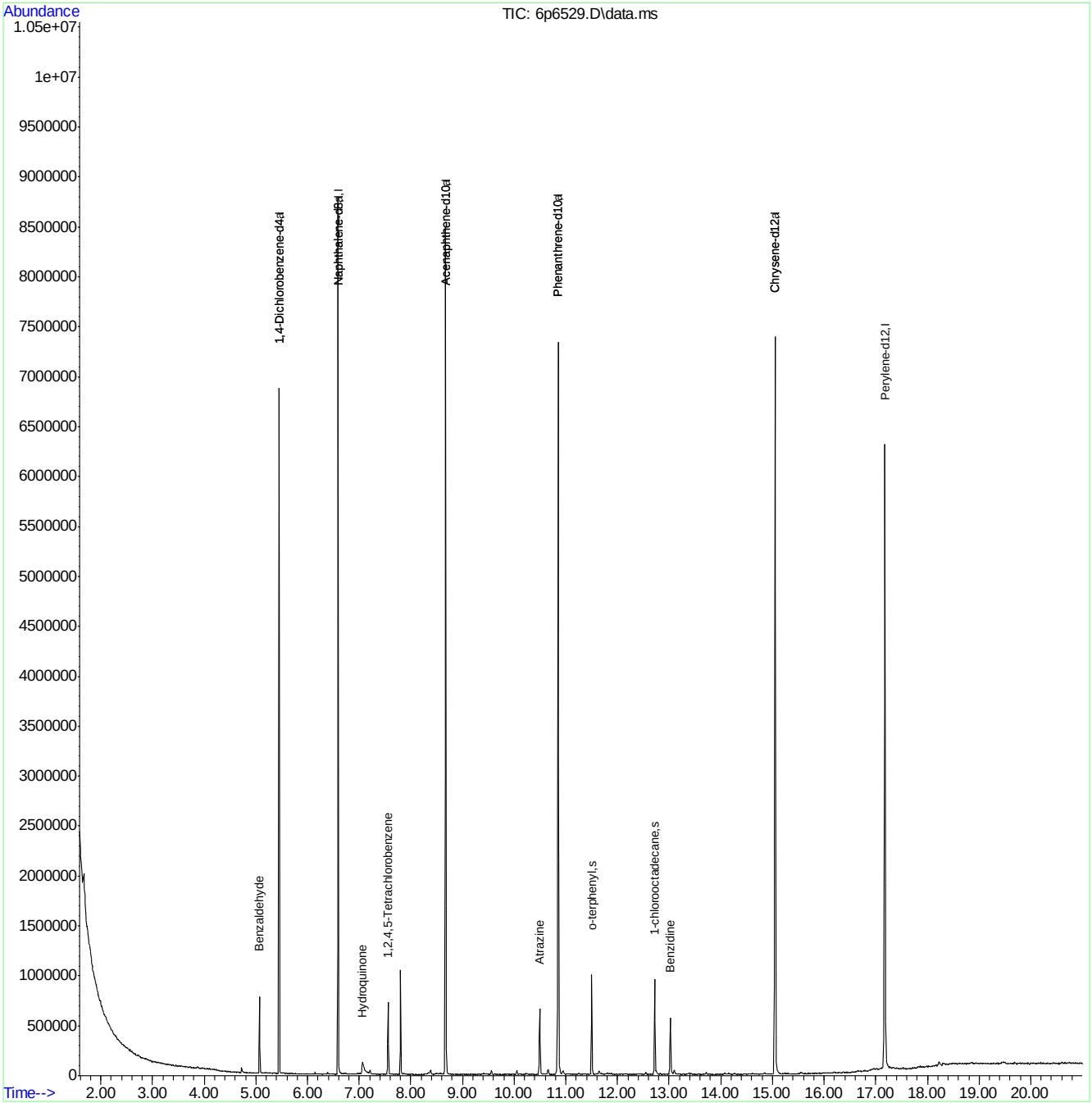
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.449	152	747134	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2995063	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1739008	40.00	ppb	-0.13
69) Phenanthrene-d10	10.851	188	2915064	40.00	ppb	-0.14
83) Chrysene-d12	15.055	240	2926980	40.00	ppb	-0.16
92) Perylene-d12	17.178	264	2780213	40.00	ppb	-0.16
102) 1,4-Dichlorobenzene-d4a	5.449	152	747134	40.00	ppb	0.00
104) Phenanthrene-d10a	10.851	188	2915064	40.00	ppb	0.00
107) Chrysene-d12a	15.055	240	2926980	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1739008	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2995063	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	11.503	230	211535	5.38	ppb	0.00
Spiked Amount 50.000			Recovery =	10.76%		
109) 1-chlorooctadecane	12.717	57	128884	5.36	ppb	0.00
Spiked Amount 50.000			Recovery =	10.72%		
Target Compounds						Qvalue
103) Benzaldehyde	5.069	105	134734	5.39	ppb	90
105) Atrazine	10.498	215	40163	4.98	ppb	89
108) Benzidine	13.022	184	243247	5.12	ppb	97
111) 1,2,4,5-Tetrachloroben...	7.561	216	113032	5.26	ppb	98
113) Hydroquinone	7.064	110	108732	3.33	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6529.D
Acq On : 26 Apr 2014 1:46 pm
Operator : ashleyd
Sample : ic276-5
Misc : op73158,e6p276
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 11:44:47 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

6P6530.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 04/28/14 15:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6530.D
Acq On : 26 Apr 2014 2:14 pm
Operator : ashleyd
Sample : ic276-2
Misc : op73158,e6p276
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 11:46:29 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.449	152	633936	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2480626	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1459364	40.00	ppb	-0.13
69) Phenanthrene-d10	10.851	188	2430172	40.00	ppb	-0.14
83) Chrysene-d12	15.049	240	2446897	40.00	ppb	-0.16
92) Perylene-d12	17.173	264	2295131	40.00	ppb	-0.17
102) 1,4-Dichlorobenzene-d4a	5.449	152	633936	40.00	ppb	0.00
104) Phenanthrene-d10a	10.851	188	2430172	40.00	ppb	0.00
107) Chrysene-d12a	15.049	240	2446897	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1459364	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2480626	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%		
106) o-terphenyl	11.498	230	84023	2.57	ppb	0.00
Spiked Amount 50.000			Recovery =	5.14%		
109) 1-chlorooctadecane	12.717	57	49581	2.47	ppb	0.00
Spiked Amount 50.000			Recovery =	4.94%		
Target Compounds						Qvalue
103) Benzaldehyde	5.069	105	53024	2.50	ppb	89
105) Atrazine	10.492	215	14953	2.23	ppb #	70
108) Benzidine	13.022	184	86599	2.18	ppb	94
111) 1,2,4,5-Tetrachloroben...	7.556	216	45212	2.51	ppb	97
113) Hydroquinone	7.091	110	45493m	1.68	ppb	

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

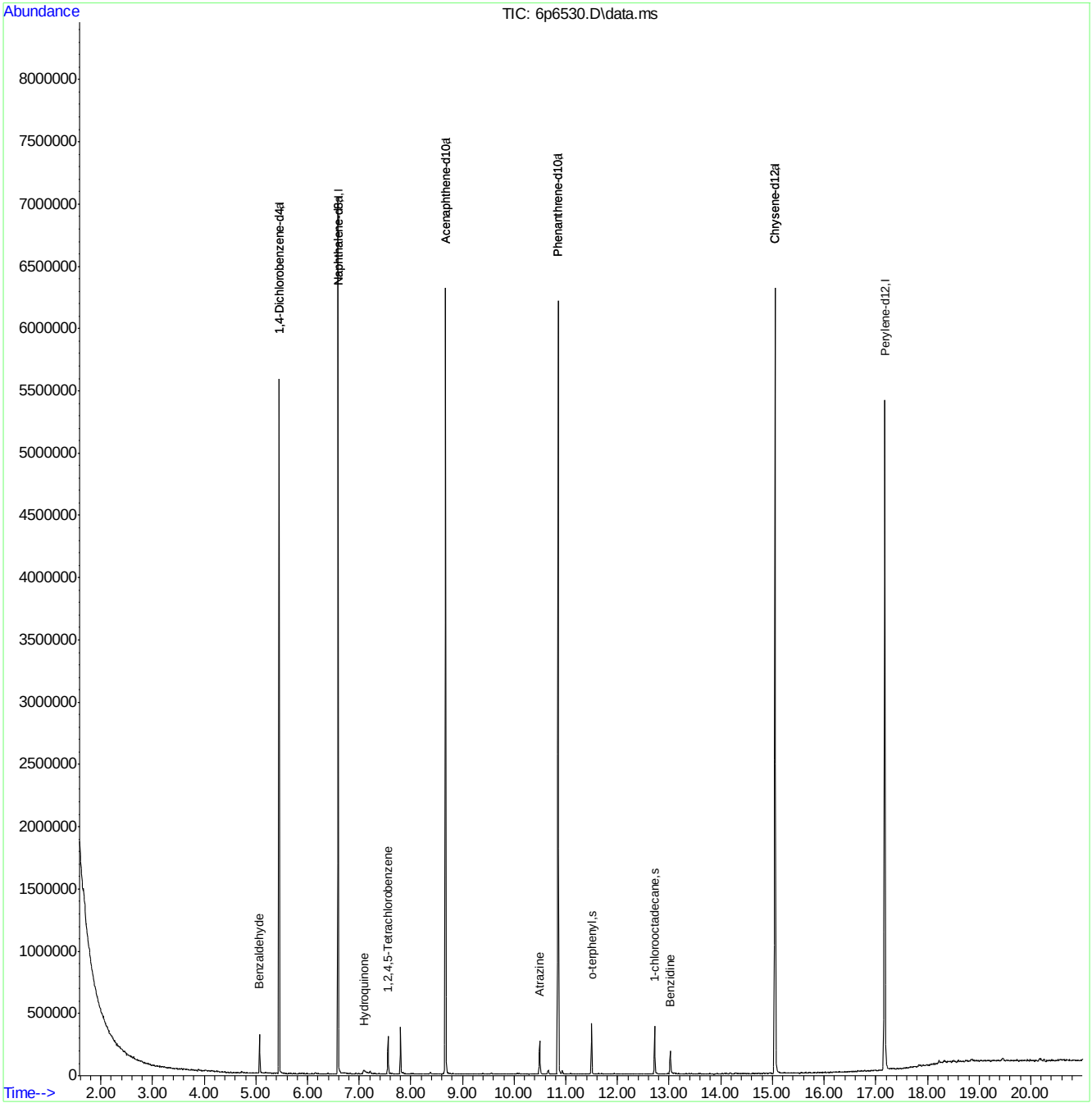
9.6.32

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6530.D
Acq On : 26 Apr 2014 2:14 pm
Operator : ashleyd
Sample : ic276-2
Misc : op73158,e6p276
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 11:46:29 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

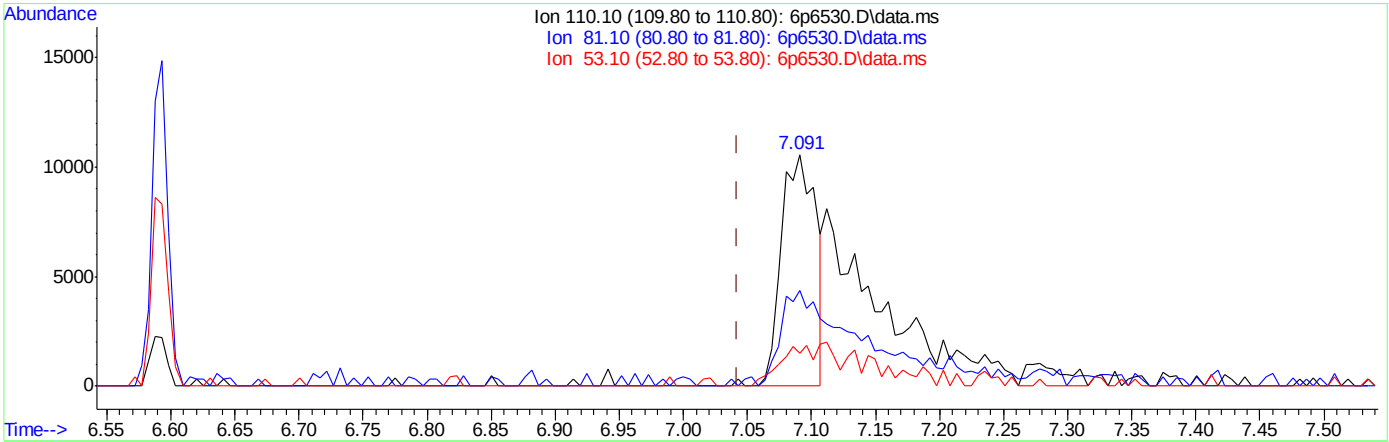
Sample Number:	E6P276-IC276	**Method:**	SW846 8270D
Lab FileID:	6P6530.D	**Analyst approved:**	04/28/14 13:34 Emily Pisarski
Injection Time:	04/26/14 14:14	**Supervisor approved:**	04/28/14 15:16 Nina Pandya

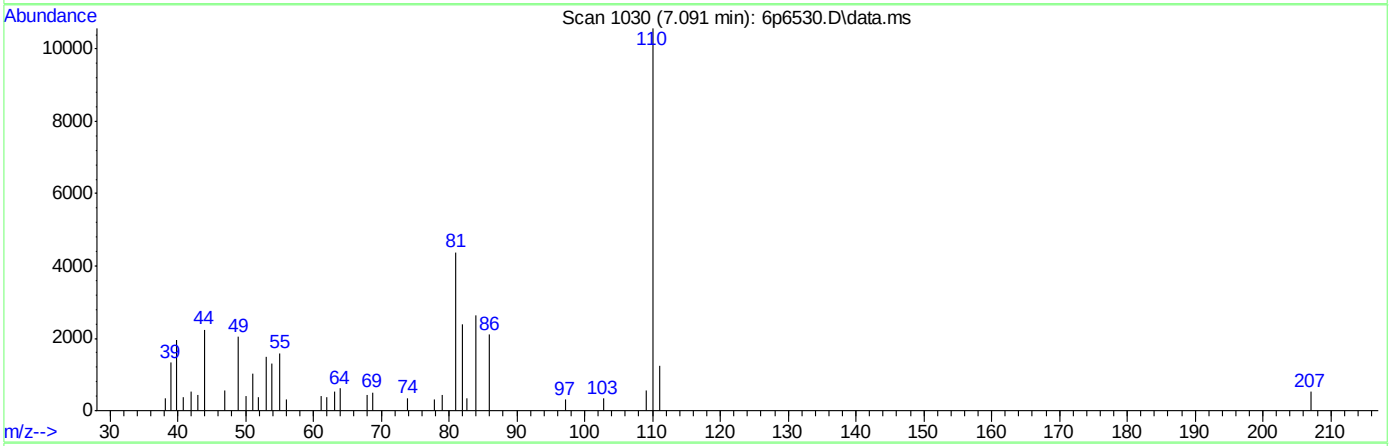
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		7.09	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6530.D
Acq On : 26 Apr 2014 2:14 pm
Operator : ashleyd
Sample : ic276-2
Misc : op73158,e6p276
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 11:39:41 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration





TIC: 6p6530.D\data.ms

(113) Hydroquinone

7.091min (+0.048) 0.73ppb

response 19794

Ion	Exp%	Act%
110.10	100	100
81.10	27.60	39.84
53.10	17.40	5.43
0.00	0.00	0.00

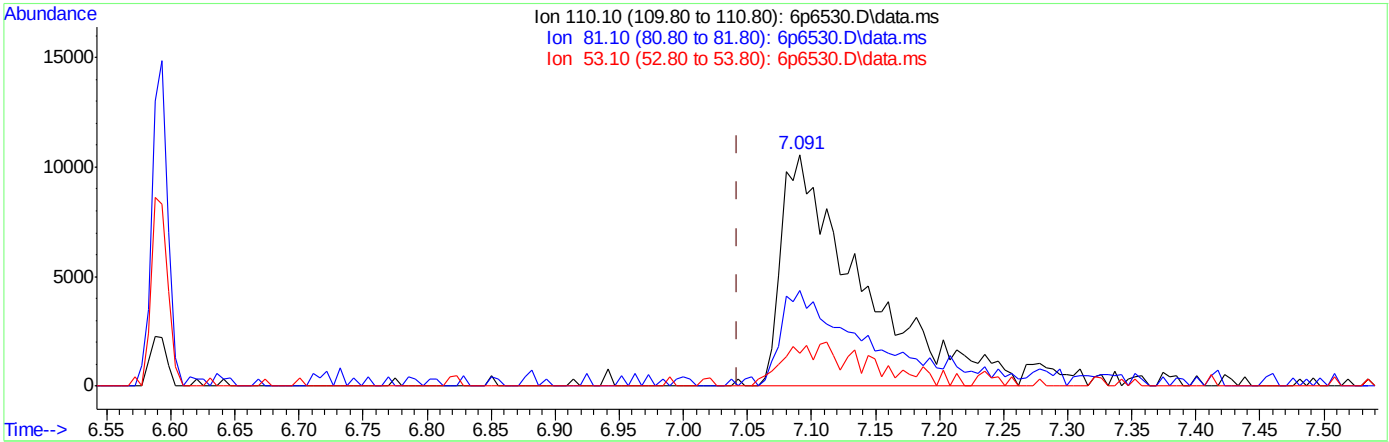
9.6.32.2

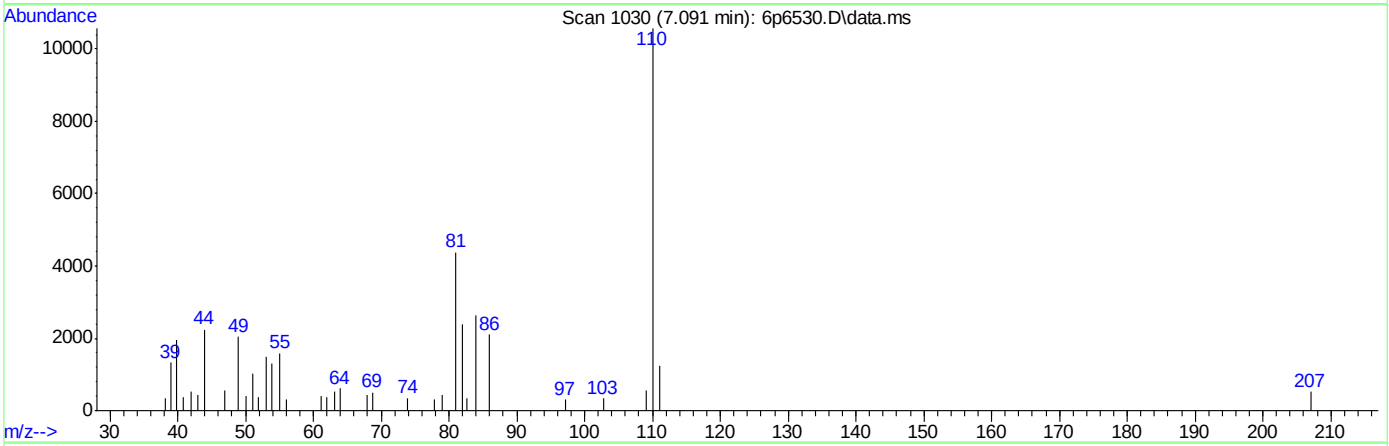
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6530.D
Acq On : 26 Apr 2014 2:14 pm
Operator : ashleyd
Sample : ic276-2
Misc : op73158,e6p276
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 11:46:29 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration





TIC: 6p6530.D\data.ms

(113) Hydroquinone

7.091min (+0.048) 1.68ppb m

response 45493

Ion	Exp%	Act%
110.10	100	100
81.10	27.60	41.42
53.10	17.40	14.21
0.00	0.00	0.00

6P6530.D edits: Hydroquinone

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6531.D
Acq On : 26 Apr 2014 2:42 pm
Operator : ashleyd
Sample : ic276-1
Misc : op73158,e6p276
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 11:47:24 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration

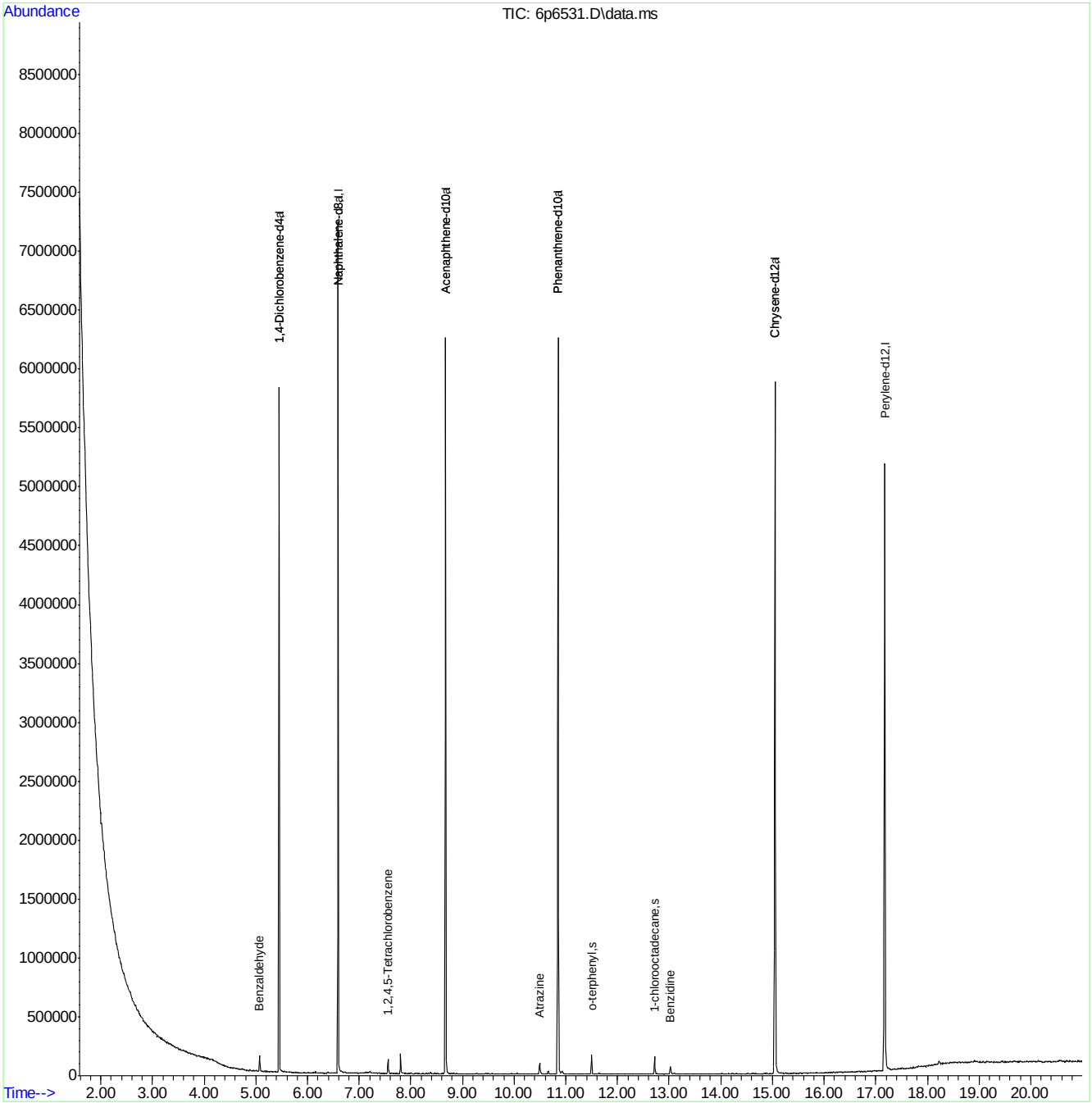
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.449	152	606347	40.00	ppb	-0.08
24) Naphthalene-d8	6.593	136	2453811	40.00	ppb	-0.10
47) Acenaphthene-d10	8.674	164	1403417	40.00	ppb	-0.13
69) Phenanthrene-d10	10.851	188	2338275	40.00	ppb	-0.14
83) Chrysene-d12	15.049	240	2378501	40.00	ppb	-0.16
92) Perylene-d12	17.173	264	2232028	40.00	ppb	-0.17
102) 1,4-Dichlorobenzene-d4a	5.449	152	606347	40.00	ppb	0.00
104) Phenanthrene-d10a	10.851	188	2338275	40.00	ppb	0.00
107) Chrysene-d12a	15.049	240	2378501	40.00	ppb	0.00
110) Acenaphthene-d10a	8.674	164	1403417	40.00	ppb	0.00
112) Naphthalene-d8a	6.593	136	2453811	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%		
106) o-terphenyl	11.498	230	36025	1.14	ppb	0.00
Spiked Amount 50.000			Recovery =	2.28%		
109) 1-chlorooctadecane	12.717	57	20262	1.04	ppb	0.00
Spiked Amount 50.000			Recovery =	2.08%		
Target Compounds						Qvalue
103) Benzaldehyde	5.069	105	21683	1.07	ppb	# 83
105) Atrazine	10.492	215	6664	1.03	ppb	# 76
108) Benzidine	13.022	184	29987	0.78	ppb	96
111) 1,2,4,5-Tetrachloroben...	7.556	216	19533	1.13	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p276\
Data File : 6p6531.D
Acq On : 26 Apr 2014 2:42 pm
Operator : ashleyd
Sample : ic276-1
Misc : op73158,e6p276
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 11:47:24 2014
Quant Method : C:\msdchem\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 11:39:01 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.529	152	986060	40.00	ppb	0.00
24) Naphthalene-d8	6.695	136	3904987	40.00	ppb	0.00
47) Acenaphthene-d10	8.802	164	2264049	40.00	ppb	0.00
69) Phenanthrene-d10	10.995	188	3725538	40.00	ppb	0.00
83) Chrysene-d12	15.215	240	3713793	40.00	ppb	0.00
92) Perylene-d12	17.344	264	3318902	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	986060	40.00	ppb	0.00
104) Phenanthrene-d10a	10.995	188	3725538	40.00	ppb	0.00
107) Chrysene-d12a	15.215	240	3713793	40.00	ppb	0.00
110) Acenaphthene-d10a	8.802	164	2264049	40.00	ppb	0.00
112) Naphthalene-d8a	6.695	136	3904987	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.347	112	30536	0.83	ppb	0.00
Spiked Amount 50.000			Recovery = 1.66%			
8) Phenol-d5	5.256	99	43055	0.85	ppb	0.00
Spiked Amount 50.000			Recovery = 1.70%			
25) Nitrobenzene-d5	6.015	82	47481	0.96	ppb	0.00
Spiked Amount 50.000			Recovery = 1.92%			
51) 2-Fluorobiphenyl	7.920	172	61491	0.96	ppb	0.00
Spiked Amount 50.000			Recovery = 1.92%			
73) 2,4,6-Tribromophenol	9.947	330	6452	0.61	ppb	0.00
Spiked Amount 50.000			Recovery = 1.22%			
86) Terphenyl-d14	13.573	244	64709	0.91	ppb	0.00
Spiked Amount 50.000			Recovery = 1.82%			
106) 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	2.111	88	18469	1.16	ppb	80
3) Pyridine	2.560	79	36243m	0.82	ppb	
4) N-Nitrosodimethylamine	2.485	74	24235	0.93	ppb	97
6) Indene	5.753	116	60267	1.01	ppb	94
7) Cumene	4.823	105	98091	1.04	ppb	98
9) Phenol	5.267	94	51015	0.93	ppb	79
10) Aniline	5.256	93	65439	1.27	ppb	75
11) bis(2-Chloroethyl)ether	5.315	93	39485	1.03	ppb	96
12) 2-Chlorophenol	5.358	128	29981	0.92	ppb	90
13) Decane	5.411	43	22596	1.03	ppb	77
14) 1,3-Dichlorobenzene	5.481	146	33139	0.98	ppb	93
15) 1,4-Dichlorobenzene	5.545	146	34214	1.01	ppb	88
16) Benzyl alcohol	5.662	108	19900	0.85	ppb	88
17) 1,2-Dichlorobenzene	5.678	146	32464	1.05	ppb	98
18) Acetophenone	5.882	105	55031	0.99	ppb	89
19) 2-Methylphenol	5.775	108	28600	0.89	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.780	121	11872	1.09	ppb #	40
21) 3&4-Methylphenol	5.908	108	28586	0.79	ppb	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.887	70	32115	1.11	ppb		88
23) Hexachloroethane	5.973	201	11392	1.02	ppb		85
26) Nitrobenzene	6.031	77	49369	1.00	ppb		94
27) Quinoline	7.069	129	56494	0.87	ppb		96
28) Isophorone	6.251	82	74592	0.91	ppb		96
29) 2-Nitrophenol	6.331	139	13228	0.79	ppb		79
30) 2,4-Dimethylphenol	6.384	107	27883	0.71	ppb		96
32) bis(2-Chloroethoxy)met...	6.459	93	43560	0.95	ppb		98
33) 2,4-Dichlorophenol	6.577	162	18212	0.74	ppb		95
34) 2,6-Dichlorophenol	6.791	162	20746	0.86	ppb		97
35) 1,3,5-Trichlorobenzene	6.336	180	28303	1.04	ppb		87
36) 1,2,4-Trichlorobenzene	6.641	180	26886	1.01	ppb		98
37) 1,2,3-Trichlorobenzene	6.871	180	27045	1.04	ppb		94
38) Naphthalene	6.716	128	95052	1.02	ppb		98
39) 4-Chloroaniline	6.780	127	36813	0.96	ppb		92
40) 2,3-Dichloroaniline	7.813	161	27529	0.88	ppb		99
41) Caprolactam	7.117	55	9423	0.72	ppb	#	56
42) Hexachlorobutadiene	6.855	225	14503	0.96	ppb		100
43) 4-Chloro-3-methylphenol	7.320	107	30260	0.82	ppb		93
44) 2-Methylnaphthalene	7.470	141	51567	0.97	ppb		91
45) 1-Methylnaphthalene	7.588	141	51562	0.98	ppb		89
46) Dimethylnaphthalene	8.246	156	53167	0.93	ppb		93
48) Hexachlorocyclopentadiene	7.668	237	14662	0.88	ppb		88
49) 2,4,6-Trichlorophenol	7.823	196	15527	0.88	ppb		97
50) 2,4,5-Trichlorophenol	7.882	196	12979	0.68	ppb		82
52) 2-Chloronaphthalene	8.059	162	56355	1.00	ppb		94
53) Biphenyl	8.043	154	73723	0.97	ppb		98
54) 2-Nitroaniline	8.203	65	21007	0.80	ppb		94
55) Dimethylphthalate	8.454	163	59799	0.92	ppb		98
56) Acenaphthylene	8.604	152	85854	0.91	ppb		99
57) 2,6-Dinitrotoluene	8.529	165	12382	0.81	ppb		94
58) 3-Nitroaniline	8.759	138	13316	0.77	ppb	#	70
59) Acenaphthene	8.845	153	59029	1.00	ppb		90
62) Dibenzofuran	9.091	168	77859	0.97	ppb		96
63) 2,4-Dinitrotoluene	9.091	165	15428	0.73	ppb	#	57
64) 2,3,4,6-Tetrachlorophenol	9.294	232	9169	0.59	ppb		94
65) Diethylphthalate	9.460	149	62858	0.90	ppb		97
66) Fluorene	9.583	166	62420	0.93	ppb		98
67) 4-Chlorophenyl-phenyle...	9.599	204	28573	0.99	ppb		94
68) 4-Nitroaniline	9.636	138	11762	0.66	ppb		93
71) n-Nitrosodiphenylamine	9.781	169	39953	0.88	ppb		89
72) 1,2-Diphenylhydrazine	9.834	77	95017	0.95	ppb		98
74) 4-Bromophenyl-phenylether	10.332	248	16178	0.96	ppb		97
75) Hexachlorobenzene	10.417	284	19475	0.97	ppb		87
76) Pentachlorophenol	10.744	266	1650	0.14	ppb		80
77) Phenanthrene	11.027	178	101248	1.08	ppb		96
78) Anthracene	11.107	178	91962	0.96	ppb		99
79) Carbazole	11.385	167	80723	0.88	ppb		99
80) Di-n-butylphthalate	12.017	149	97229	0.84	ppb		98
81) Fluoranthene	12.904	202	95002	0.93	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	10.947	57	42408	1.03	ppb	94
84) Pyrene	13.252	202	101978	0.96	ppb	96
85) Butyl stearate	14.584	56	19188	0.73	ppb	75
87) Butylbenzylphthalate	14.407	149	41745	0.78	ppb	93
88) Benzo[a]anthracene	15.194	228	98632	1.05	ppb	98
89) 3,3'-Dichlorobenzidine	15.204	252	25386	0.73	ppb	71
90) Chrysene	15.247	228	87603	0.99	ppb	98
91) bis(2-Ethylhexyl)phtha...	15.381	149	54595	0.75	ppb	99
93) Di-n-octylphthalate	16.370	149	84947	0.67	ppb	99
94) Benzo[b]fluoranthene	16.809	252	87432	0.84	ppb	92
95) Benzo[k]fluoranthene	16.846	252	80928	0.91	ppb	92
96) Benzo[a]pyrene	17.253	252	75603	0.88	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.660	276	65778m	0.66	ppb	
98) Dibenz(a,h)acridine	18.381	279	59239	0.75	ppb	92
99) Dibenz[a,h]anthracene	18.692	278	67590	0.76	ppb	89
100) 7,12-Dimethylbenz(a)an...	16.809	256	22851	0.50	ppb	96
101) Benzo[g,h,i]perylene	19.013	276	73539	0.86	ppb	85

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

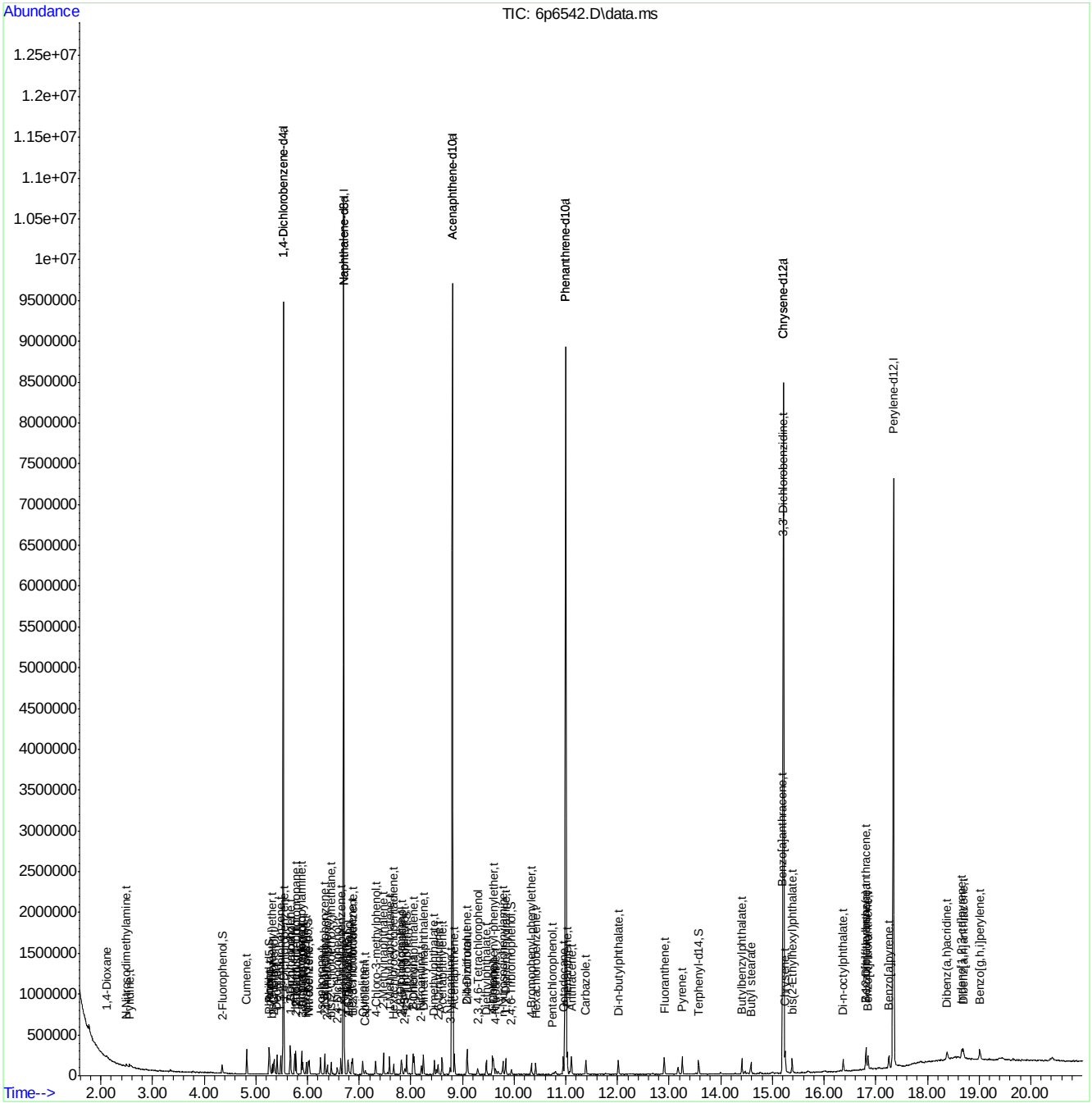
9.6.34

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

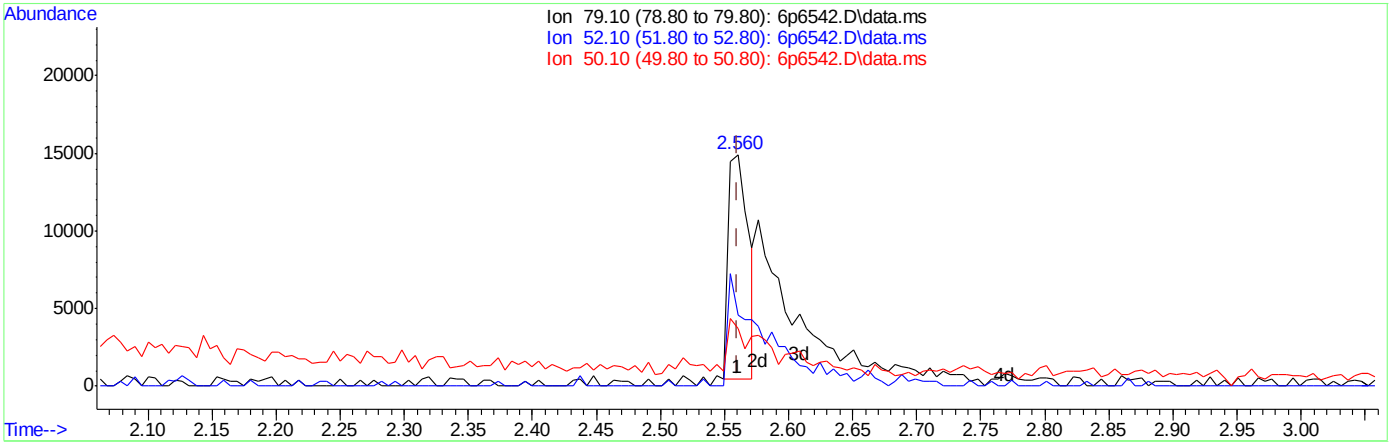
Sample Number: E6P277-IC277
Lab FileID: 6P6542.D
Injection Time: 04/27/14 12:54
Method: SW846 8270D
Analyst approved: 04/28/14 13:35 Emily Pisarski
Supervisor approved: 04/28/14 15:39 Nina Pandya

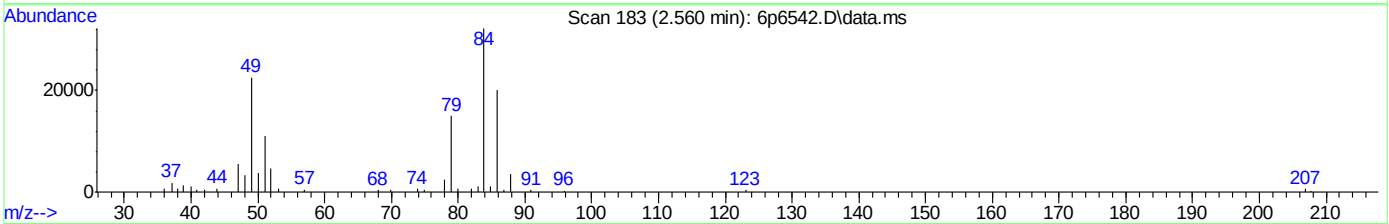
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pyridine	110-86-1		2.56	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.66	Poor instrument integration

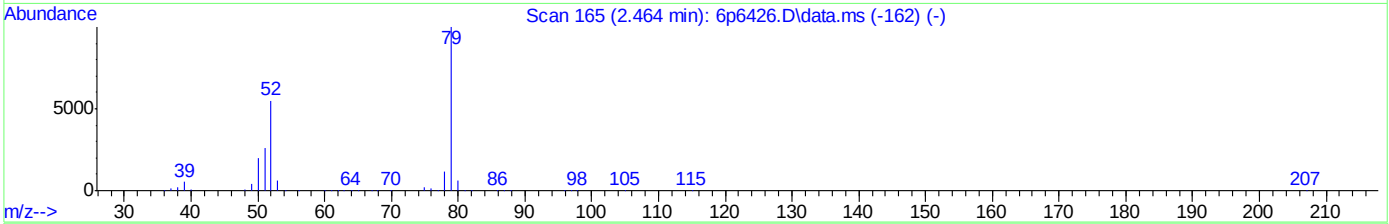
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:03:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:03:23 2014
Response via : Initial Calibration







TIC: 6p6542.D\data.ms

(3) Pyridine (t)

2.560min (0.000) 0.39ppb

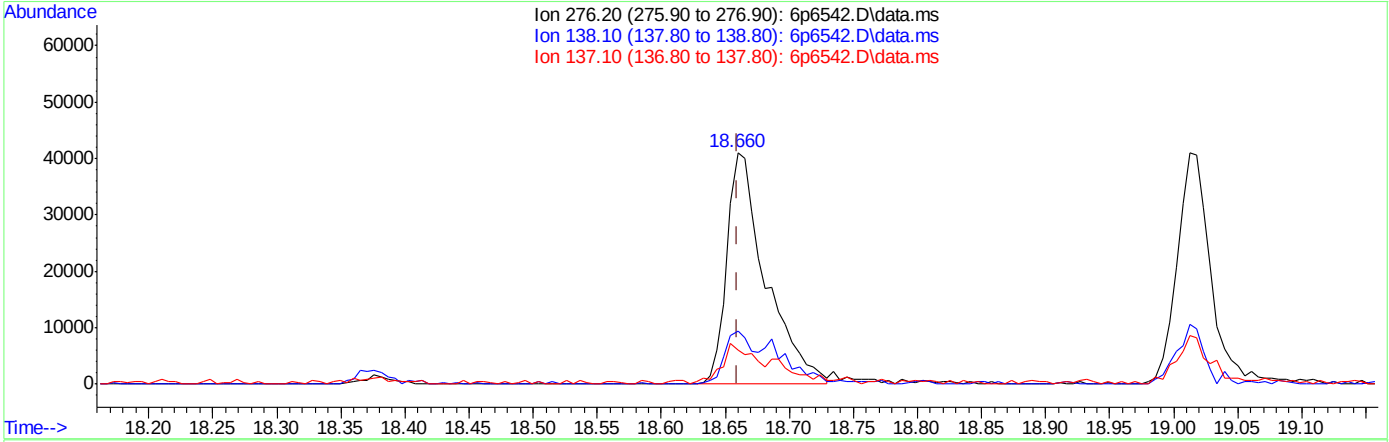
response 15312

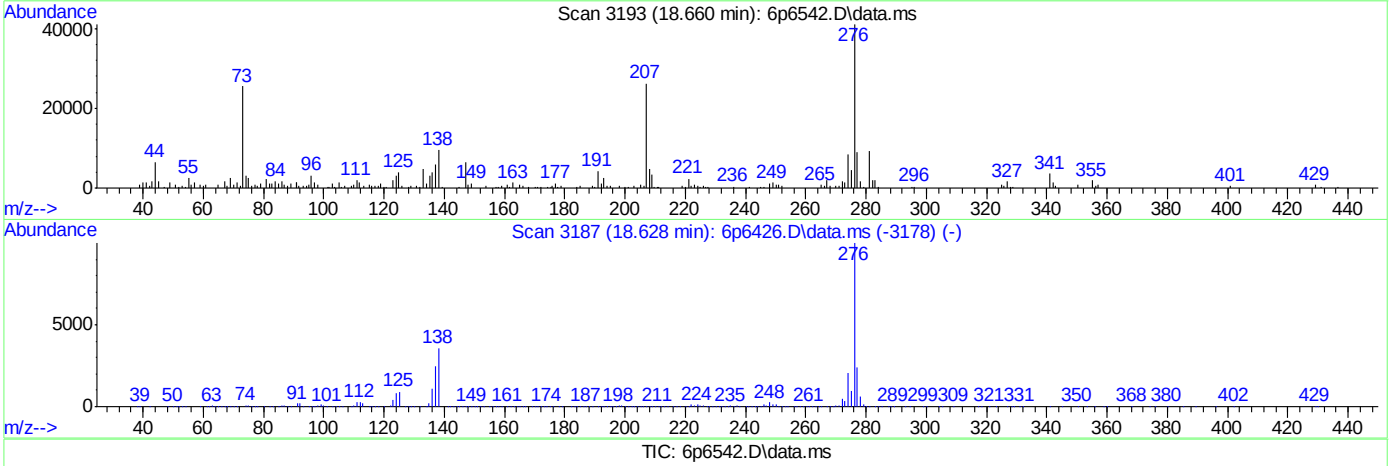
Ion	Exp%	Act%
79.10	100	100
52.10	55.00	23.65#
50.10	20.20	16.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:22:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration





TIC: 6p6542.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.660min (0.000) 0.87ppb

response 86014

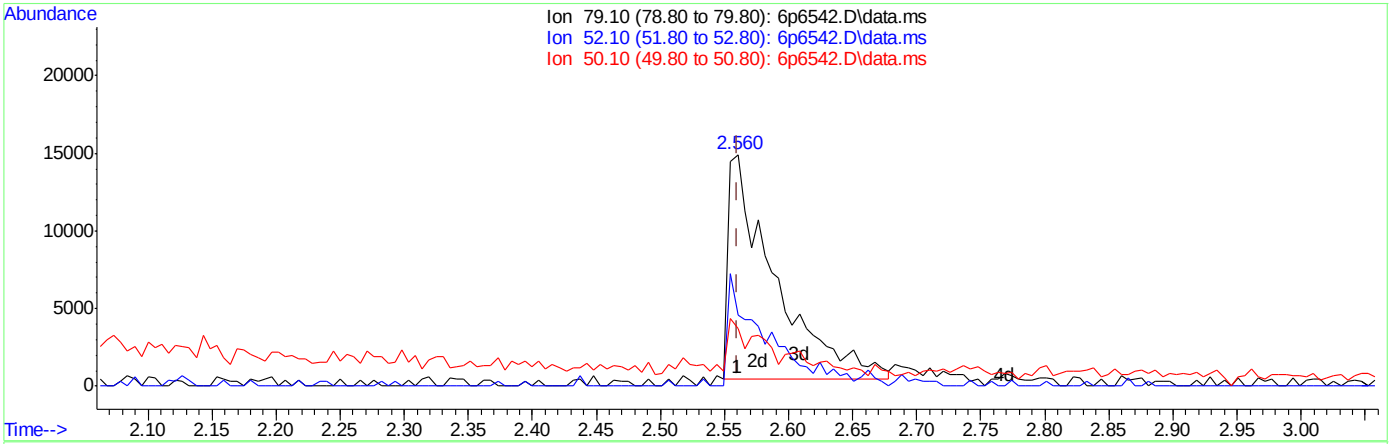
Ion	Exp%	Act%
276.20	100	100
138.10	30.30	22.89
137.10	22.30	13.28
0.00	0.00	0.00

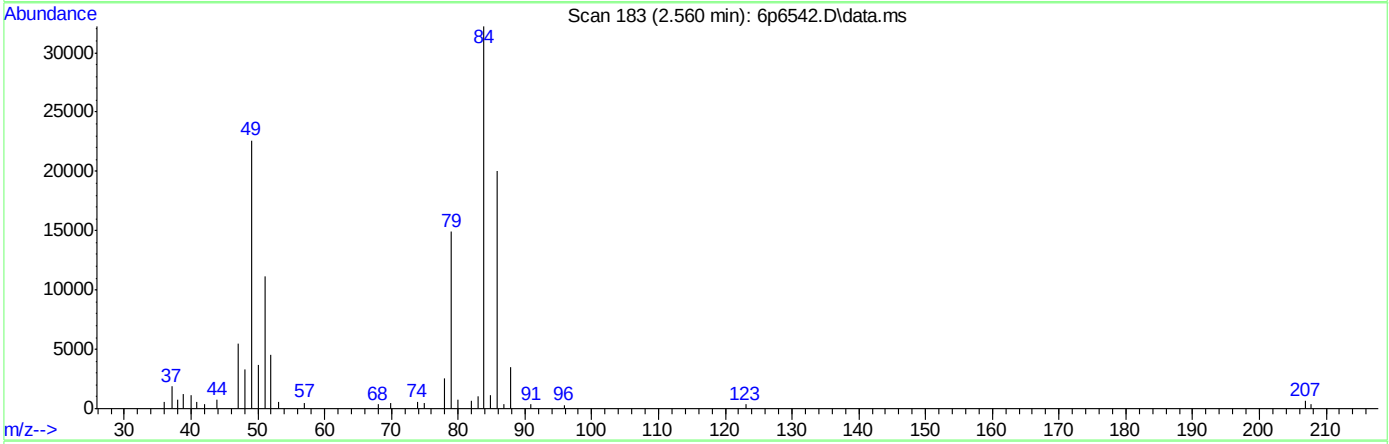
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration





TIC: 6p6542.D\data.ms

(3) Pyridine (t)

2.560min (0.000) 0.82ppb m

response 36243

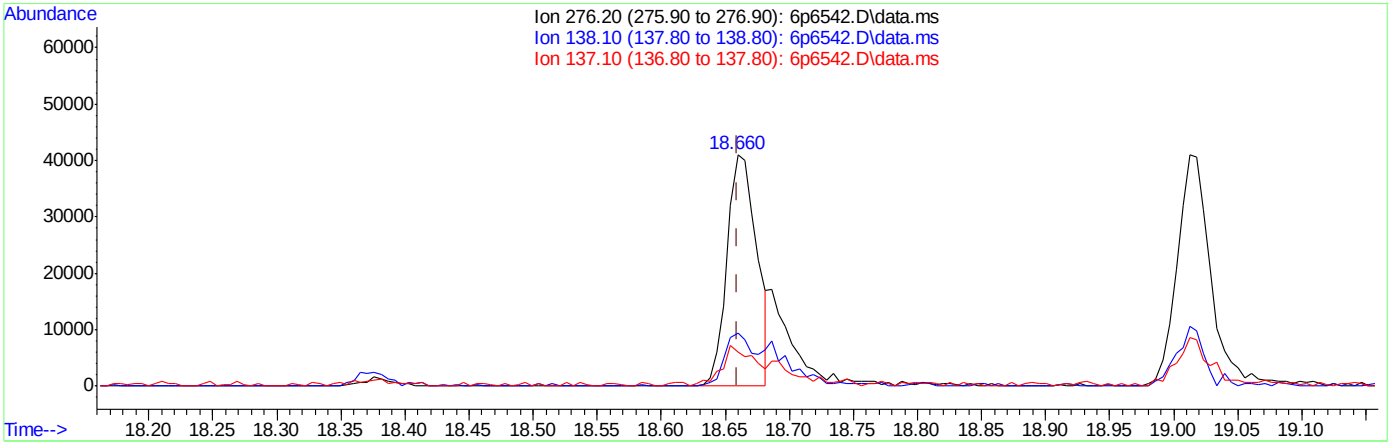
Ion	Exp%	Act%
79.10	100	100
52.10	55.00	30.68
50.10	20.20	24.86
0.00	0.00	0.00

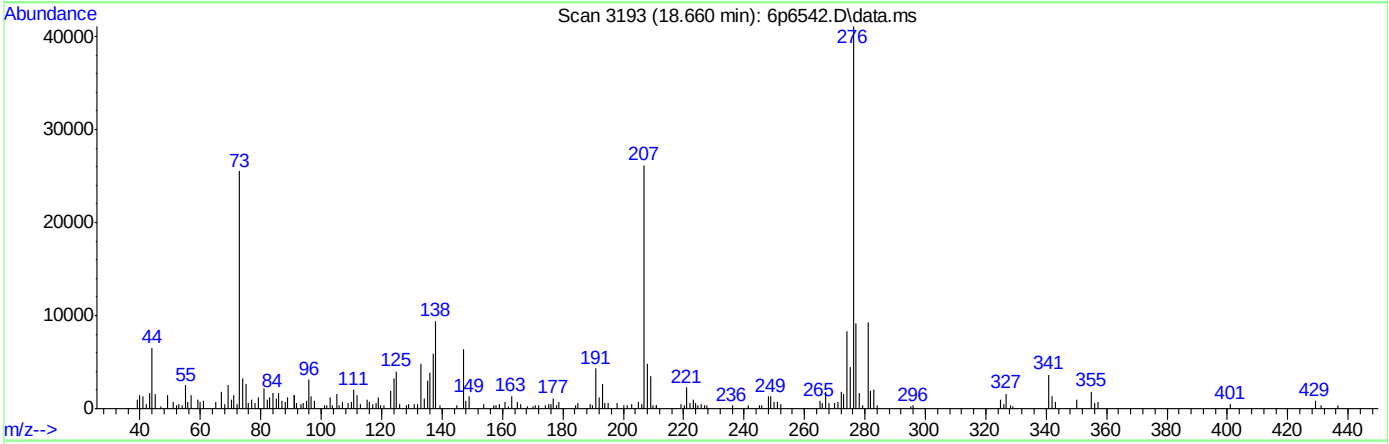
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6542.D
Acq On : 27 Apr 2014 12:54 pm
Operator : ashleyd
Sample : ic277-1.0
Misc : op73158,e6p277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:22:17 2014
Response via : Initial Calibration





TIC: 6p6542.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.660min (0.000) 0.66ppb m

response 65778

Ion	Exp%	Act%
276.20	100	100
138.10	30.30	23.03
137.10	22.30	14.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6543.D
Acq On : 27 Apr 2014 1:22 pm
Operator : ashleyd
Sample : ic277-100
Misc : op73158,e6p277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 09:16:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:13:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.534	152	782238	40.00	ppb		0.00
24) Naphthalene-d8	6.700	136	3083228	40.00	ppb		0.00
47) Acenaphthene-d10	8.807	164	1811403	40.00	ppb		0.00
69) Phenanthrene-d10	11.000	188	3040937	40.00	ppb		0.00
83) Chrysene-d12	15.220	240	3067770	40.00	ppb		0.00
92) Perylene-d12	17.344	264	2743145	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	5.534	152	782238	40.00	ppb		0.00
104) Phenanthrene-d10a	11.000	188	3040937	40.00	ppb		0.00
107) Chrysene-d12a	15.220	240	3067770	40.00	ppb		0.00
110) Acenaphthene-d10a	8.807	164	1811403	40.00	ppb		0.00
112) Naphthalene-d8a	6.700	136	3083228	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.347	112	2910731	100.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.00%		
8) Phenol-d5	5.267	99	4002999	100.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.00%		
25) Nitrobenzene-d5	6.026	82	3898907	100.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.00%		
51) 2-Fluorobiphenyl	7.925	172	5142281	100.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.00%		
73) 2,4,6-Tribromophenol	9.952	330	868349	100.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.00%		
86) Terphenyl-d14	13.578	244	5903248	100.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.00%		
106) o-terphenyl	0.000	230	0d	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
2) 1,4-Dioxane	2.100	88	1258793	100.00	ppb		86
3) Pyridine	2.496	79	3502580	100.00	ppb		81
4) N-Nitrosodimethylamine	2.464	74	2065281	100.00	ppb		98
6) Indene	5.753	116	4727308	100.00	ppb		100
7) Cumene	4.823	105	7499695	100.00	ppb		97
9) Phenol	5.277	94	4364383	100.00	ppb		86
10) Aniline	5.256	93	4083704	100.00	ppb		77
11) bis(2-Chloroethyl)ether	5.325	93	3045808	100.00	ppb		91
12) 2-Chlorophenol	5.363	128	2571925	100.00	ppb		87
13) Decane	5.416	43	1743292	100.00	ppb		92
14) 1,3-Dichlorobenzene	5.486	146	2671889	100.00	ppb		97
15) 1,4-Dichlorobenzene	5.545	146	2683983	100.00	ppb		99
16) Benzyl alcohol	5.673	108	1858906	100.00	ppb		93
17) 1,2-Dichlorobenzene	5.678	146	2456079	100.00	ppb		98
18) Acetophenone	5.892	105	4391375	100.00	ppb		90
19) 2-Methylphenol	5.780	108	2557566	100.00	ppb		96
20) 2,2'-oxybis(1-Chloropr...	5.780	121	860556	100.00	ppb	#	48
21) 3&4-Methylphenol	5.914	108	2877049	100.00	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6543.D
Acq On : 27 Apr 2014 1:22 pm
Operator : ashleyd
Sample : ic277-100
Misc : op73158,e6p277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 09:16:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:13:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.903	70	2299854	100.00	ppb		94
23) Hexachloroethane	5.973	201	886777	100.00	ppb		89
26) Nitrobenzene	6.042	77	3913636	100.00	ppb		98
27) Quinoline	7.085	129	5106106	100.00	ppb		97
28) Isophorone	6.261	82	6504580	100.00	ppb		98
29) 2-Nitrophenol	6.336	139	1326682	100.00	ppb		74
30) 2,4-Dimethylphenol	6.390	107	3110594	100.00	ppb		96
31) Benzoic Acid	6.550	105	2259475m	99.99	ppb		
32) bis(2-Chloroethoxy)met...	6.470	93	3604508	100.00	ppb		96
33) 2,4-Dichlorophenol	6.577	162	1953141	100.00	ppb		97
34) 2,6-Dichlorophenol	6.796	162	1899037	100.00	ppb		99
35) 1,3,5-Trichlorobenzene	6.342	180	2143820	100.00	ppb		99
36) 1,2,4-Trichlorobenzene	6.647	180	2092164	100.00	ppb		98
37) 1,2,3-Trichlorobenzene	6.877	180	2055085	100.00	ppb		99
38) Naphthalene	6.721	128	7334936	100.00	ppb		98
39) 4-Chloroaniline	6.786	127	3034863	100.00	ppb		98
40) 2,3-Dichloroaniline	7.818	161	2480266	100.00	ppb		95
41) Caprolactam	7.214	55	1036760	100.00	ppb	#	78
42) Hexachlorobutadiene	6.855	225	1194698	100.00	ppb		99
43) 4-Chloro-3-methylphenol	7.331	107	2901314	100.00	ppb		99
44) 2-Methylnaphthalene	7.476	141	4192986	100.00	ppb		99
45) 1-Methylnaphthalene	7.593	141	4154669	100.00	ppb		98
46) Dimethylnaphthalene	8.251	156	4492198	100.00	ppb		99
48) Hexachlorocyclopentadiene	7.673	237	2680458	200.00	ppb		99
49) 2,4,6-Trichlorophenol	7.829	196	1406871	100.00	ppb		98
50) 2,4,5-Trichlorophenol	7.882	196	1521293	100.00	ppb		99
52) 2-Chloronaphthalene	8.069	162	4505270	100.00	ppb		95
53) Biphenyl	8.053	154	6086470	100.00	ppb		99
54) 2-Nitroaniline	8.219	65	2111128	100.00	ppb		97
55) Dimethylphthalate	8.470	163	5198439	100.00	ppb		99
56) Acenaphthylene	8.615	152	7568856	100.00	ppb		99
57) 2,6-Dinitrotoluene	8.545	165	1226238	100.00	ppb		97
58) 3-Nitroaniline	8.775	138	1390019	100.00	ppb		98
59) Acenaphthene	8.856	153	4700137	100.00	ppb		97
60) 2,4-Dinitrophenol	8.925	184	1431494	200.00	ppb		96
61) 4-Nitrophenol	9.059	109	1171098	100.00	ppb	#	65
62) Dibenzofuran	9.102	168	6438958	100.00	ppb		91
63) 2,4-Dinitrotoluene	9.112	165	1694946	100.00	ppb		84
64) 2,3,4,6-Tetrachlorophenol	9.294	232	1245161	100.00	ppb		95
65) Diethylphthalate	9.476	149	5603735	100.00	ppb		100
66) Fluorene	9.594	166	5373914	100.00	ppb		96
67) 4-Chlorophenyl-phenyle...	9.610	204	2301503	100.00	ppb		96
68) 4-Nitroaniline	9.669	138	1426415	100.00	ppb		88
70) 4,6-Dinitro-2-methylph...	9.711	198	1013891	100.00	ppb		95
71) n-Nitrosodiphenylamine	9.797	169	3686656	100.00	ppb		99
72) 1,2-Diphenylhydrazine	9.845	77	8192033	100.00	ppb		96
74) 4-Bromophenyl-phenylether	10.342	248	1380129	100.00	ppb		91
75) Hexachlorobenzene	10.428	284	1635923	100.00	ppb		86
76) Pentachlorophenol	10.744	266	1984831	200.00	ppb		97
77) Phenanthrene	11.043	178	7674028	100.00	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6543.D
Acq On : 27 Apr 2014 1:22 pm
Operator : ashleyd
Sample : ic277-100
Misc : op73158,e6p277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 09:16:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:13:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.118	178	7781253	100.00	ppb	100
79) Carbazole	11.396	167	7497370	100.00	ppb	99
80) Di-n-butylphthalate	12.022	149	9499374	100.00	ppb	99
81) Fluoranthene	12.915	202	8367326	100.00	ppb	94
82) Octadecane	10.952	57	3345758	100.00	ppb	84
84) Pyrene	13.268	202	8812552	100.00	ppb	91
85) Butyl stearate	14.584	56	2169993	100.00	ppb	76
87) Butylbenzylphthalate	14.413	149	4427817	100.00	ppb	96
88) Benzo[a]anthracene	15.204	228	7786199	100.00	ppb	98
89) 3,3'-Dichlorobenzidine	15.210	252	2881697	100.00	ppb	98
90) Chrysene	15.269	228	7298994	100.00	ppb	99
91) bis(2-Ethylhexyl)phtha...	15.381	149	6017174	100.00	ppb	98
93) Di-n-octylphthalate	16.376	149	10467706	100.00	ppb	97
94) Benzo[b]fluoranthene	16.841	252	8587072	100.00	ppb	98
95) Benzo[k]fluoranthene	16.879	252	7359083	99.47	ppb	97
96) Benzo[a]pyrene	17.274	252	7137411	100.00	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.692	276	8177017	100.00	ppb	78
98) Dibenz(a,h)acridine	18.398	279	6550992	100.00	ppb	99
99) Dibenz[a,h]anthracene	18.724	278	7339426	100.00	ppb	89
100) 7,12-Dimethylbenz(a)an...	16.836	256	3799075	100.00	ppb	99
101) Benzo[g,h,i]perylene	19.050	276	7105119	100.00	ppb	83

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

9.6.35

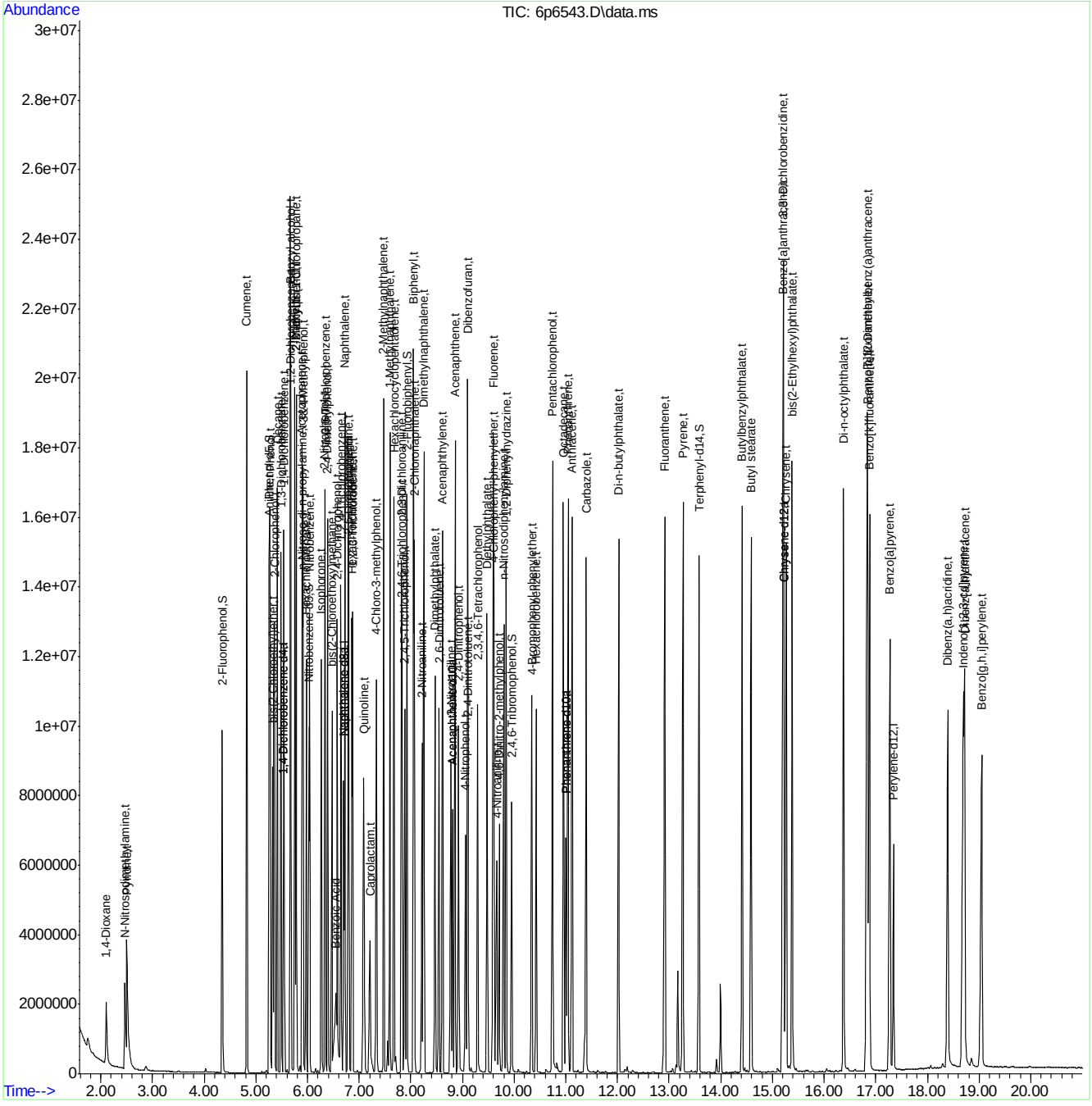
9

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6543.D
Acq On : 27 Apr 2014 1:22 pm
Operator : ashleyd
Sample : ic277-100
Misc : op73158,e6p277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 09:16:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:13:41 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

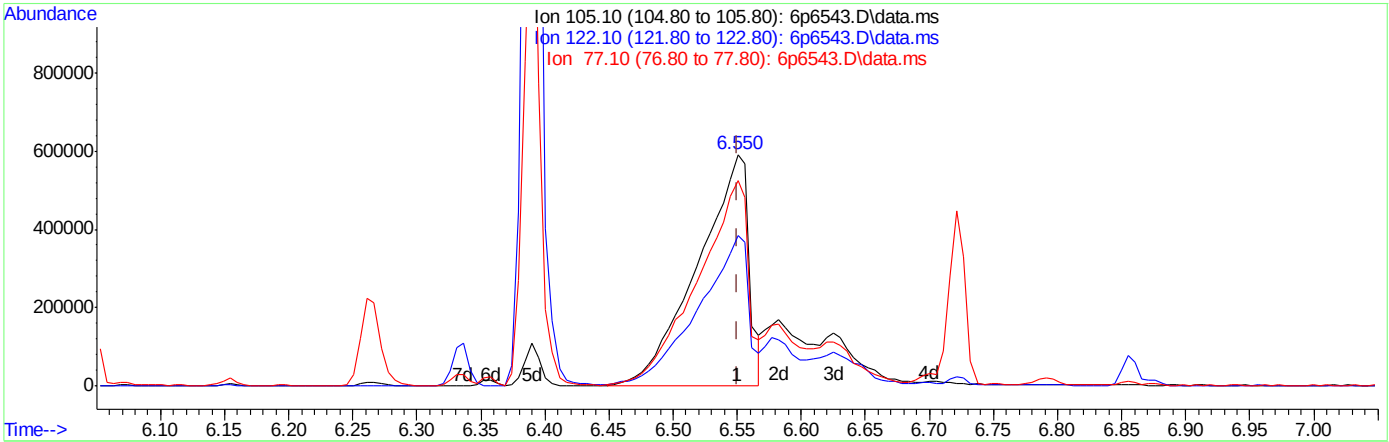
Sample Number:	E6P277-IC277	**Method:**	SW846 8270D
Lab FileID:	6P6543.D	**Analyst approved:**	04/28/14 13:35 Emily Pisarski
Injection Time:	04/27/14 13:22	**Supervisor approved:**	04/28/14 15:39 Nina Pandya

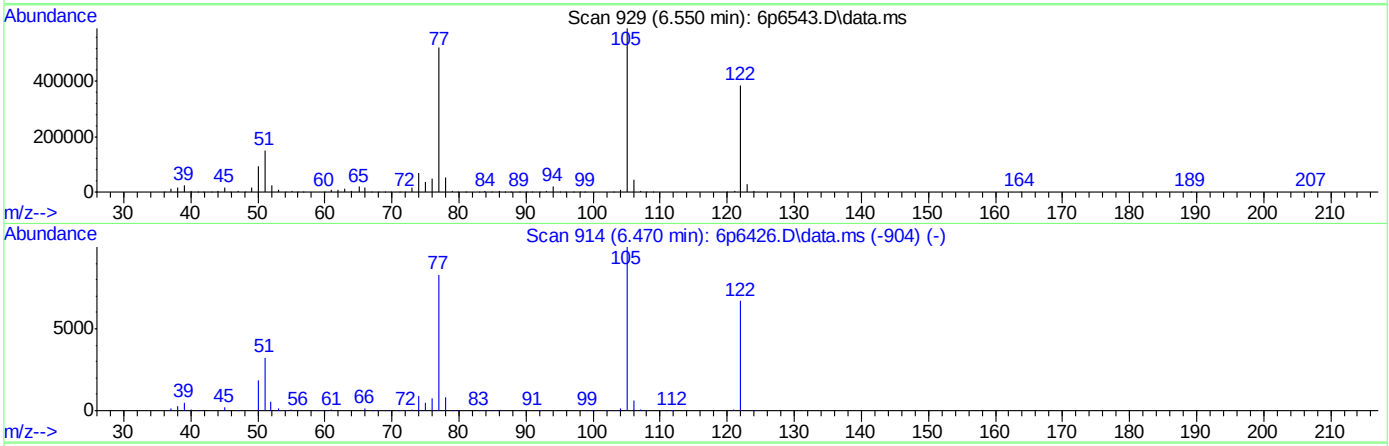
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.55	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6543.D
Acq On : 27 Apr 2014 1:22 pm
Operator : ashleyd
Sample : ic277-100
Misc : op73158,e6p277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 09:13:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:13:41 2014
Response via : Initial Calibration





TIC: 6p6543.D\data.ms

(31) Benzoic Acid

6.550min (0.000) 71.68ppb

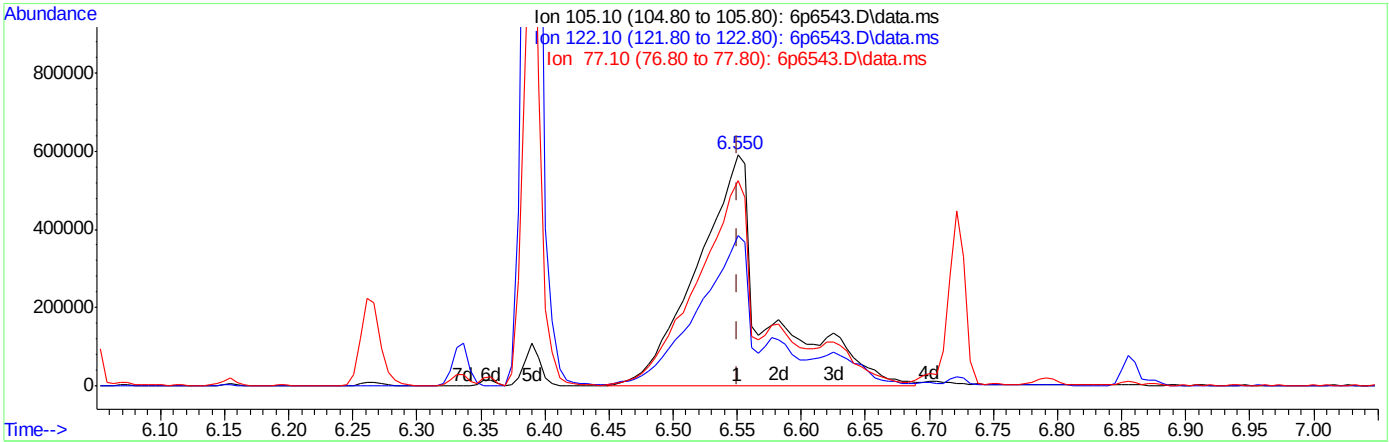
response 1619733

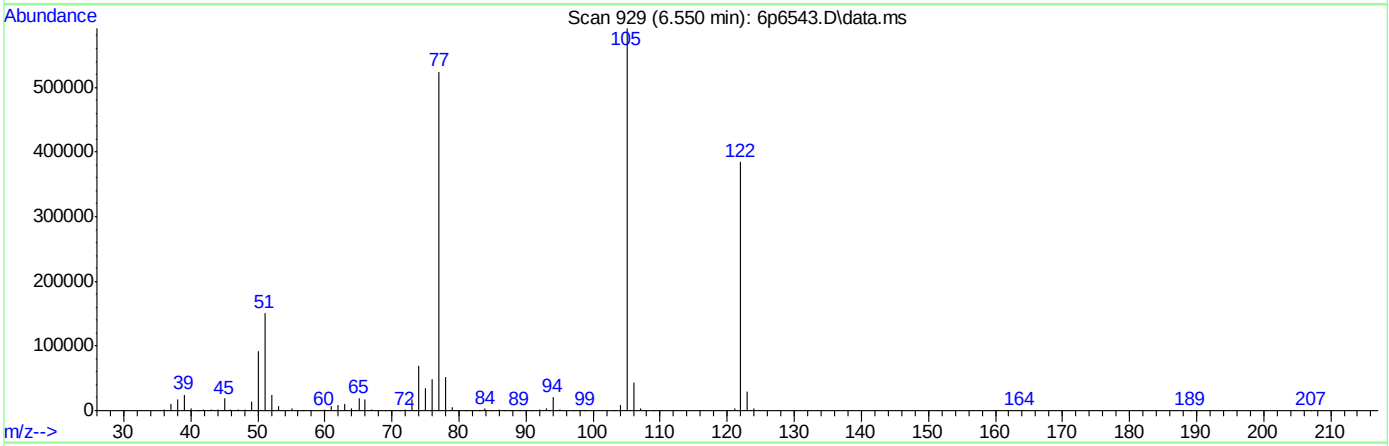
Ion	Exp%	Act%
105.10	100	100
122.10	28.90	63.82#
77.10	33.10	87.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6543.D
Acq On : 27 Apr 2014 1:22 pm
Operator : ashleyd
Sample : ic277-100
Misc : op73158,e6p277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 09:16:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:13:41 2014
Response via : Initial Calibration





TIC: 6p6543.D\data.ms

(31) Benzoic Acid

6.550min (0.000) 99.99ppb m

response 2259475

Ion	Exp%	Act%
105.10	100	100
122.10	28.90	45.75
77.10	33.10	62.98#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:34:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:31:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.534	152	986931	40.00	ppb		0.00
24) Naphthalene-d8	6.700	136	3901599	40.00	ppb		0.00
47) Acenaphthene-d10	8.808	164	2335400	40.00	ppb		0.00
69) Phenanthrene-d10	11.000	188	3800676	40.00	ppb		0.00
83) Chrysene-d12	15.221	240	3790636	40.00	ppb		0.00
92) Perylene-d12	17.344	264	3401385	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	5.534	152	986931	40.00	ppb		0.00
104) Phenanthrene-d10a	11.000	188	3800676	40.00	ppb		0.00
107) Chrysene-d12a	15.221	240	3790636	40.00	ppb		0.00
110) Acenaphthene-d10a	8.808	164	2335400	40.00	ppb		0.00
112) Naphthalene-d8a	6.700	136	3901599	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.347	112	2941722	87.44	ppb		0.00
Spiked Amount 50.000			Recovery =	174.88%			
8) Phenol-d5	5.267	99	4026985	86.05	ppb		0.00
Spiked Amount 50.000			Recovery =	172.10%			
25) Nitrobenzene-d5	6.026	82	4013879	82.95	ppb		0.00
Spiked Amount 50.000			Recovery =	165.90%			
51) 2-Fluorobiphenyl	7.925	172	5323548	82.07	ppb		0.00
Spiked Amount 50.000			Recovery =	164.14%			
73) 2,4,6-Tribromophenol	9.952	330	884151	101.42	ppb		0.00
Spiked Amount 50.000			Recovery =	202.84%			
86) Terphenyl-d14	13.579	244	5963547	85.81	ppb		0.00
Spiked Amount 50.000			Recovery =	171.62%			
106) o-terphenyl	0.000	230	0d	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
2) 1,4-Dioxane	2.106	88	1225238	71.30	ppb		86
3) Pyridine	2.501	79	3537468	87.92	ppb		82
4) N-Nitrosodimethylamine	2.469	74	2052310	81.58	ppb		99
6) Indene	5.753	116	4842697	80.74	ppb		99
7) Cumene	4.823	105	7537327	78.19	ppb		98
9) Phenol	5.277	94	4450884	83.88	ppb		88
10) Aniline	5.256	93	4162167	71.14	ppb		78
11) bis(2-Chloroethyl)ether	5.326	93	3134263	80.42	ppb		91
12) 2-Chlorophenol	5.363	128	2621614	83.95	ppb		86
13) Decane	5.417	43	1771580	79.42	ppb		93
14) 1,3-Dichlorobenzene	5.486	146	2737940	81.88	ppb		96
15) 1,4-Dichlorobenzene	5.545	146	2766225	81.23	ppb		98
16) Benzyl alcohol	5.673	108	1888384	87.08	ppb		94
17) 1,2-Dichlorobenzene	5.679	146	2505425	78.94	ppb		97
18) Acetophenone	5.893	105	4499784	81.46	ppb		89
19) 2-Methylphenol	5.786	108	2606162	85.60	ppb		96
20) 2,2'-oxybis(1-Chloropr...	5.780	121	881826	77.56	ppb	#	48
21) 3&4-Methylphenol	5.914	108	2966458	91.40	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:34:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:31:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.903	70	2332811	76.29	ppb		94
23) Hexachloroethane	5.973	201	899819	79.66	ppb		91
26) Nitrobenzene	6.042	77	3985817	80.64	ppb		99
27) Quinoline	7.085	129	5194751	85.82	ppb		97
28) Isophorone	6.267	82	6615222	84.36	ppb		97
29) 2-Nitrophenol	6.336	139	1368182	91.20	ppb		73
30) 2,4-Dimethylphenol	6.390	107	3142689	93.50	ppb		97
31) Benzoic Acid	6.556	105	2512657m	87.88	ppb		
32) bis(2-Chloroethoxy)met...	6.470	93	3691297	82.83	ppb		97
33) 2,4-Dichlorophenol	6.577	162	2009507	93.66	ppb		97
34) 2,6-Dichlorophenol	6.796	162	1958464	87.51	ppb		98
35) 1,3,5-Trichlorobenzene	6.342	180	2210643	79.80	ppb		100
36) 1,2,4-Trichlorobenzene	6.647	180	2145379	80.45	ppb		98
37) 1,2,3-Trichlorobenzene	6.877	180	2112461	79.67	ppb		98
38) Naphthalene	6.722	128	7385089	78.65	ppb		97
39) 4-Chloroaniline	6.786	127	3094354	82.31	ppb		98
40) 2,3-Dichloroaniline	7.818	161	2584945	87.79	ppb		96
41) Caprolactam	7.214	55	1055335m	93.66	ppb		
42) Hexachlorobutadiene	6.855	225	1210603	81.77	ppb		99
43) 4-Chloro-3-methylphenol	7.331	107	2971860	88.78	ppb		99
44) 2-Methylnaphthalene	7.476	141	4335333	82.91	ppb		97
45) 1-Methylnaphthalene	7.593	141	4225471	81.19	ppb		98
46) Dimethylnaphthalene	8.251	156	4650206	84.58	ppb		99
48) Hexachlorocyclopentadiene	7.674	237	2748001	221.24	ppb		99
49) 2,4,6-Trichlorophenol	7.834	196	1444934	84.61	ppb		99
50) 2,4,5-Trichlorophenol	7.882	196	1568429	95.05	ppb		99
52) 2-Chloronaphthalene	8.069	162	4636518	79.79	ppb		95
53) Biphenyl	8.053	154	6223293	80.55	ppb		98
54) 2-Nitroaniline	8.219	65	2138980	87.51	ppb		98
55) Dimethylphthalate	8.471	163	5303569	82.41	ppb		99
56) Acenaphthylene	8.615	152	7744660	83.21	ppb		99
57) 2,6-Dinitrotoluene	8.545	165	1252477	87.64	ppb		97
58) 3-Nitroaniline	8.775	138	1431355	90.43	ppb		99
59) Acenaphthene	8.856	153	4799913	79.02	ppb		97
60) 2,4-Dinitrophenol	8.925	184	1489200	161.38	ppb		94
61) 4-Nitrophenol	9.059	109	1155070	76.50	ppb	#	77
62) Dibenzofuran	9.096	168	6594267	80.75	ppb		91
63) 2,4-Dinitrotoluene	9.112	165	1721443	91.16	ppb		85
64) 2,3,4,6-Tetrachlorophenol	9.294	232	1281937	100.50	ppb		94
65) Diethylphthalate	9.476	149	5613721	81.90	ppb		100
66) Fluorene	9.594	166	5499869	82.29	ppb		98
67) 4-Chlorophenyl-phenyle...	9.610	204	2333198	78.90	ppb		96
68) 4-Nitroaniline	9.663	138	1427095	93.51	ppb		83
70) 4,6-Dinitro-2-methylph...	9.711	198	1041780	82.21	ppb		92
71) n-Nitrosodiphenylamine	9.797	169	3740265	86.15	ppb		99
72) 1,2-Diphenylhydrazine	9.845	77	8197668	82.26	ppb		96
74) 4-Bromophenyl-phenylether	10.343	248	1403502	83.16	ppb		90
75) Hexachlorobenzene	10.428	284	1678987	83.30	ppb		84
76) Pentachlorophenol	10.744	266	2002827	302.42	ppb		98
77) Phenanthrene	11.043	178	7732052	77.63	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:34:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:31:56 2014
Response via : Initial Calibration

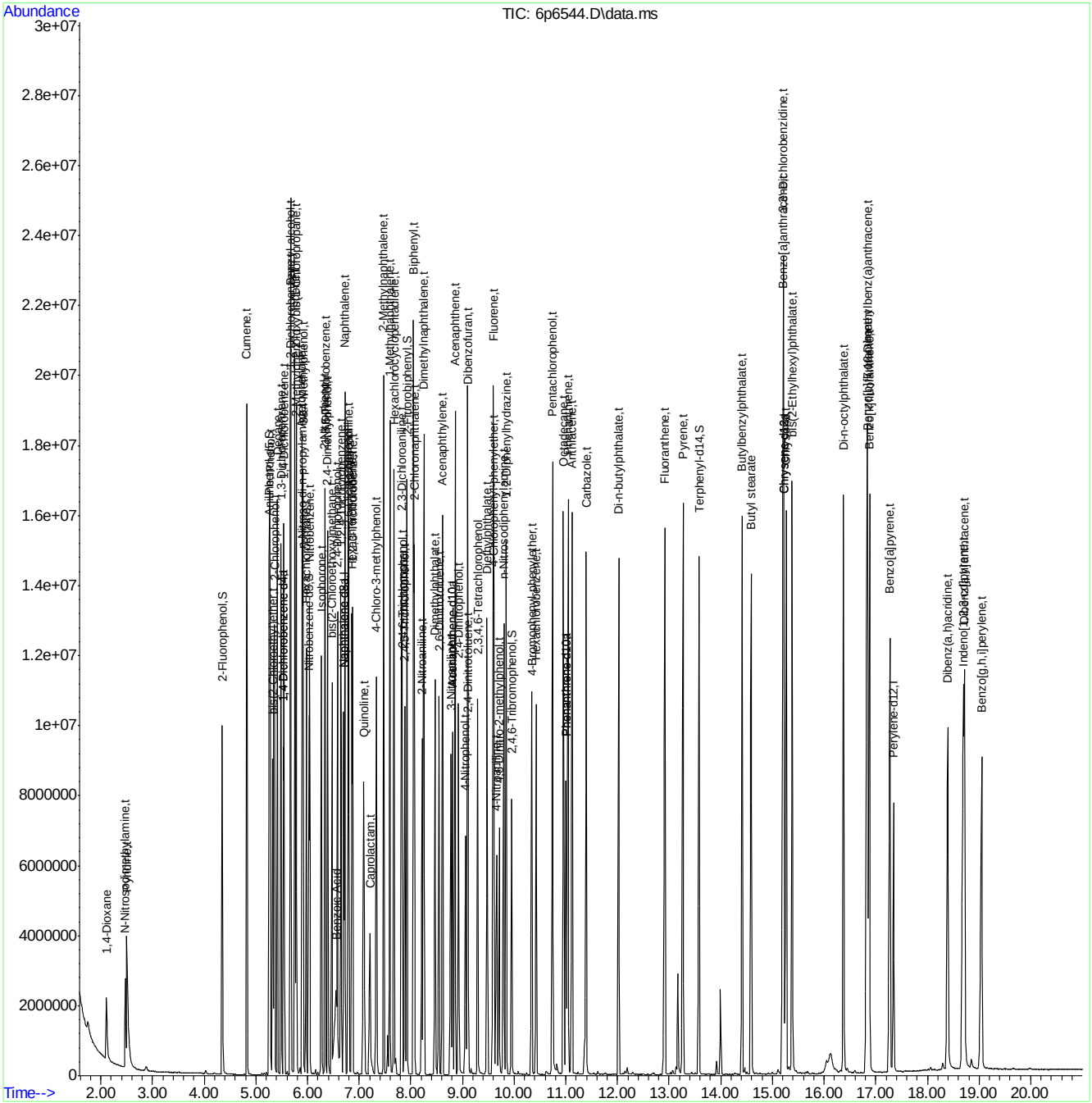
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.118	178	7844349	82.11	ppb	100
79) Carbazole	11.396	167	7556470	85.84	ppb	99
80) Di-n-butylphthalate	12.022	149	9482306	87.03	ppb	99
81) Fluoranthene	12.915	202	8359329	82.97	ppb	95
82) Octadecane	10.952	57	3371440	79.25	ppb	85
84) Pyrene	13.268	202	8774646	82.40	ppb	92
85) Butyl stearate	14.584	56	2155750	92.92	ppb	74
87) Butylbenzylphthalate	14.413	149	4391187	90.24	ppb	96
88) Benzo[a]anthracene	15.204	228	7804003	79.28	ppb	99
89) 3,3'-Dichlorobenzidine	15.210	252	2862409	93.06	ppb	98
90) Chrysene	15.269	228	7313967	81.45	ppb	100
91) bis(2-Ethylhexyl)phtha...	15.381	149	5978048	91.92	ppb	98
93) Di-n-octylphthalate	16.376	149	10528381	97.10	ppb	97
94) Benzo[b]fluoranthene	16.841	252	8662717	88.36	ppb	97
95) Benzo[k]fluoranthene	16.879	252	7411380	85.10	ppb	97
96) Benzo[a]pyrene	17.274	252	7116512	85.75	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.692	276	7756057	81.84	ppb	79
98) Dibenz(a,h)acridine	18.398	279	6476600	91.26	ppb	98
99) Dibenz[a,h]anthracene	18.719	278	7292718	91.00	ppb	92
100) 7,12-Dimethylbenz(a)an...	16.836	256	3765495	106.78	ppb	98
101) Benzo[g,h,i]perylene	19.050	276	7031573	86.03	ppb	83

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:34:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:31:56 2014
Response via : Initial Calibration



Manual Integration Approval Summary

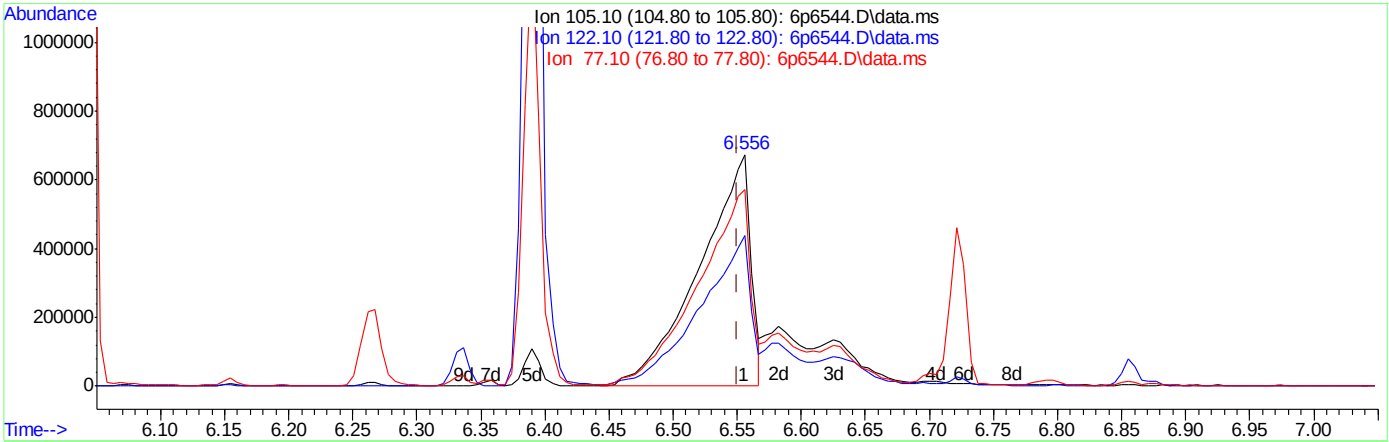
Sample Number: E6P277-IC277
Lab FileID: 6P6544.D
Injection Time: 04/27/14 13:50
Method: SW846 8270D
Analyst approved: 04/28/14 13:35 Emily Pisarski
Supervisor approved: 04/28/14 15:39 Nina Pandya

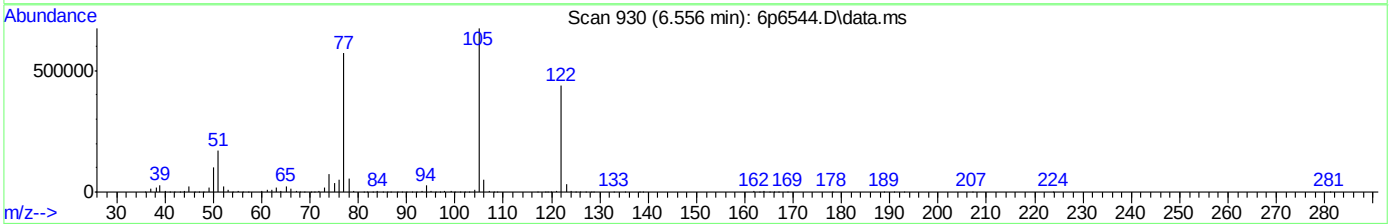
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.56	Poor instrument integration
Caprolactam	105-60-2		7.21	Poor instrument integration

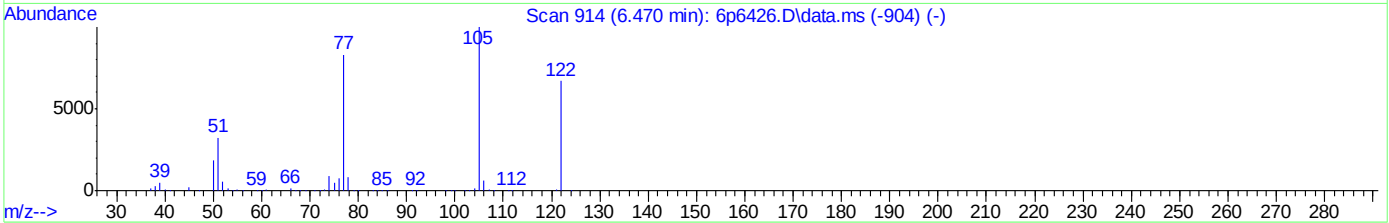
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:24:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:24:22 2014
Response via : Initial Calibration







TIC: 6p6544.D\data.ms

(31) Benzoic Acid

6.556min (+0.005) 64.85ppb

response 1854219

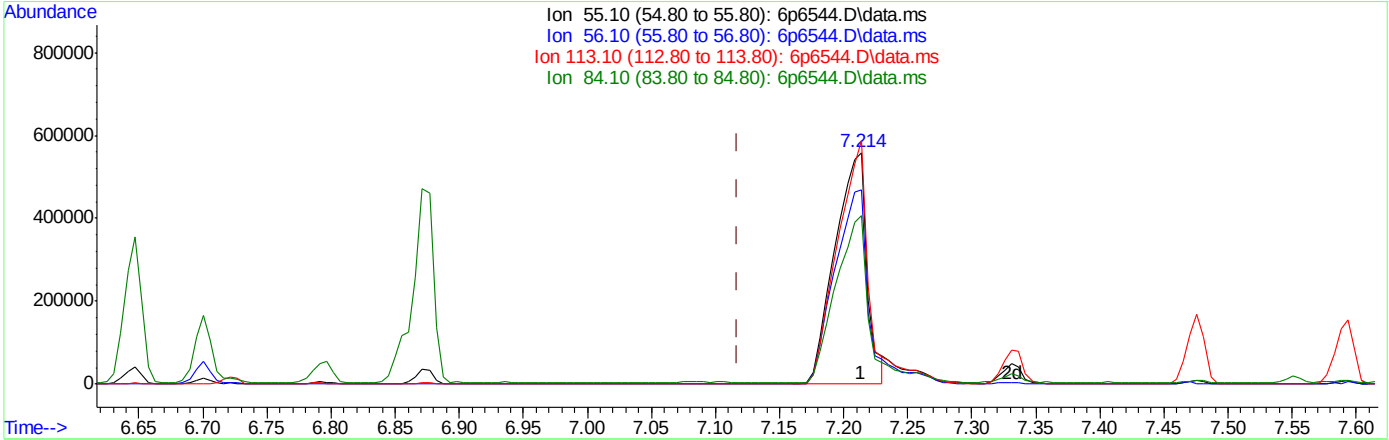
Ion	Exp%	Act%
105.10	100	100
122.10	28.90	64.25#
77.10	33.10	86.19#
0.00	0.00	0.00

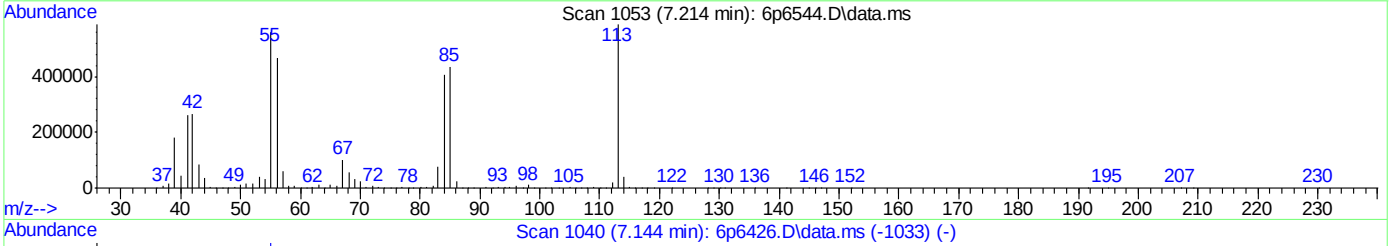
ACCUTEST LABORATORIES JB67744

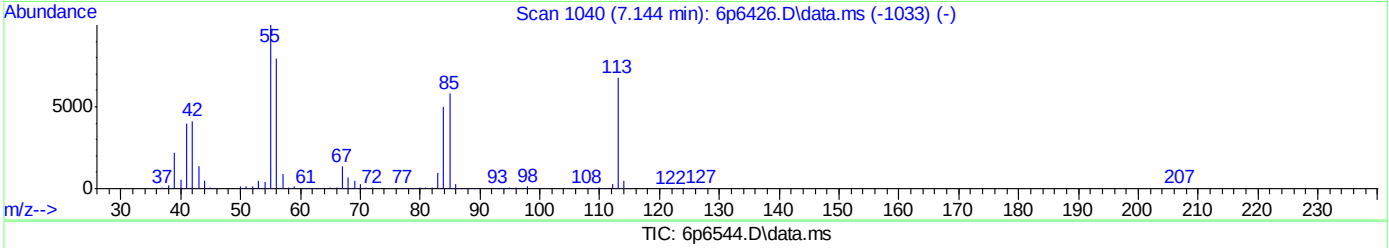
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:24:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:24:22 2014
Response via : Initial Calibration







TIC: 6p6544.D\data.ms

(41) Caprolactam (t)

7.214min (+0.096) 85.66ppb

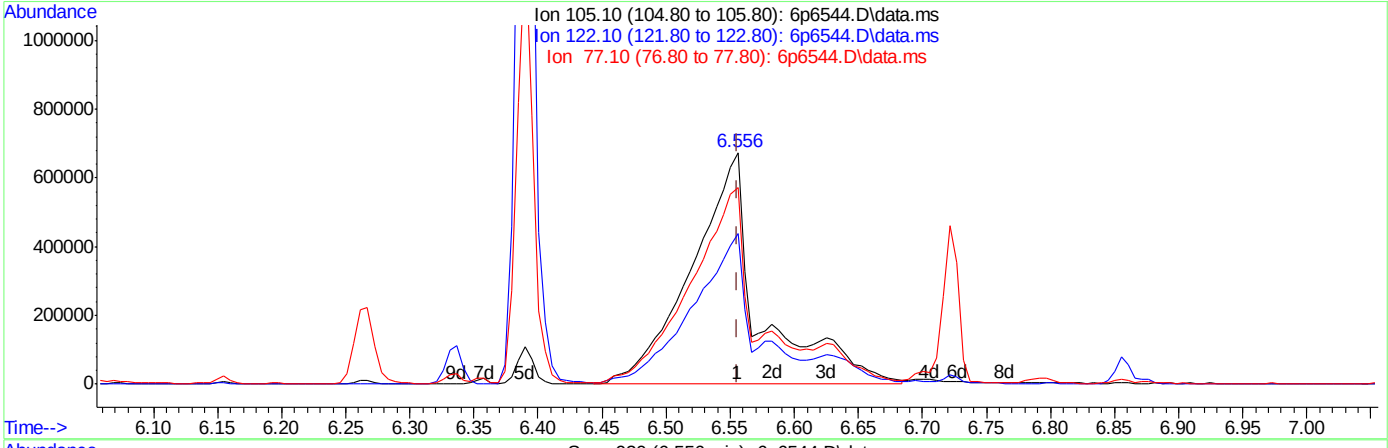
response 965173

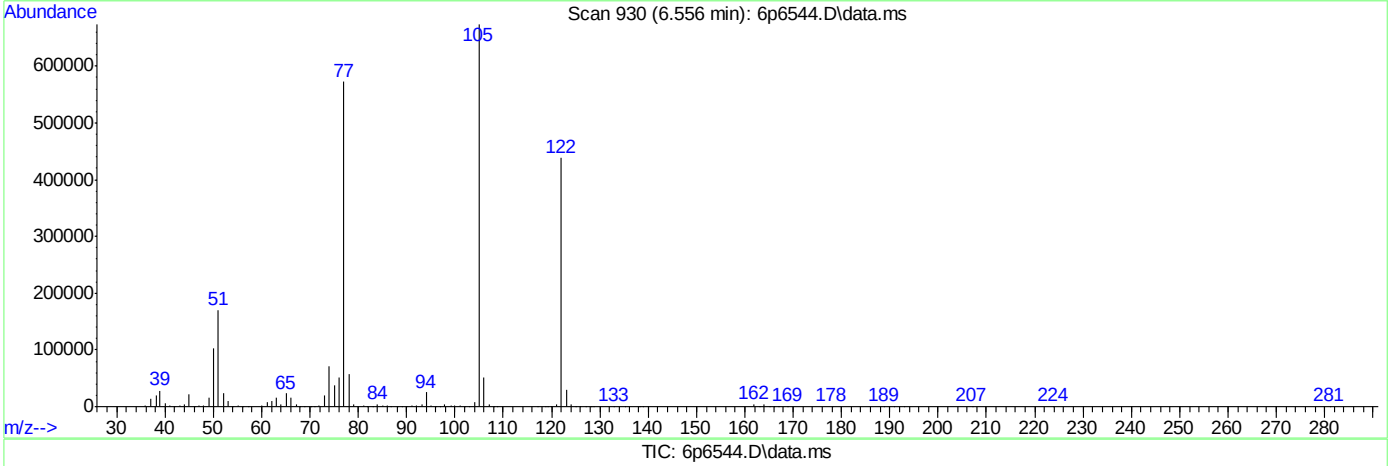
Ion	Exp%	Act%
55.10	100	100
56.10	79.20	83.37
113.10	67.50	105.48#
84.10	50.50	71.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:34:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:31:56 2014
Response via : Initial Calibration





TIC: 6p6544.D\data.ms

(31) Benzoic Acid

6.556min (0.000) 87.88ppb m

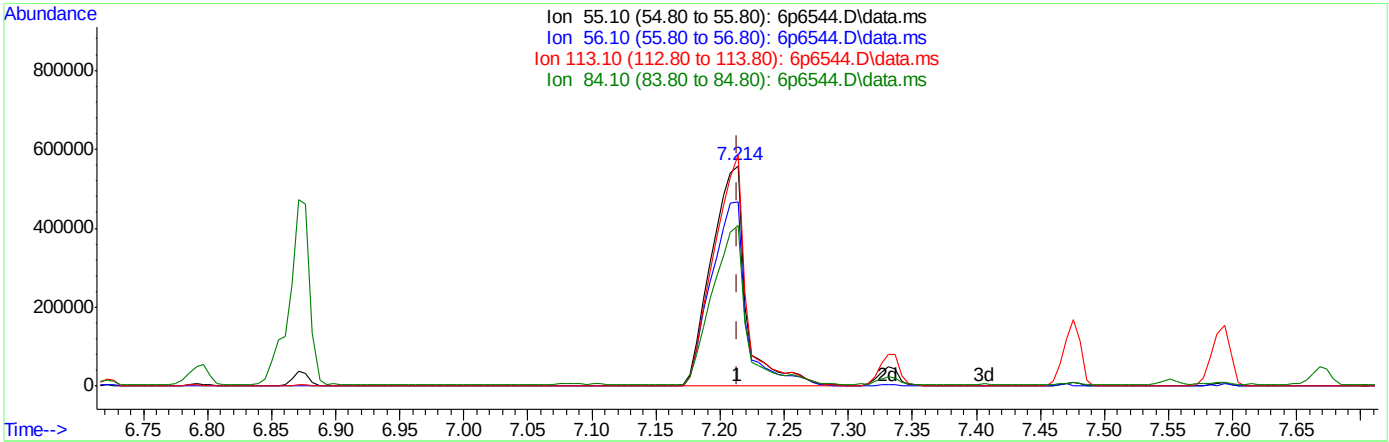
response 2512657

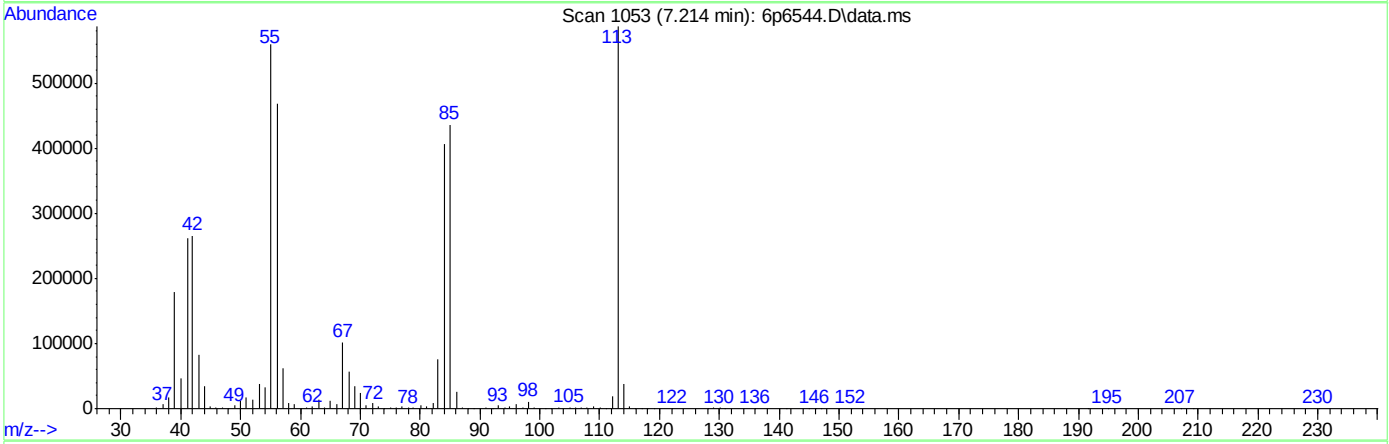
Ion	Exp%	Act%
105.10	100	100
122.10	28.90	47.42
77.10	33.10	63.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6544.D
Acq On : 27 Apr 2014 1:50 pm
Operator : ashleyd
Sample : ic277-80
Misc : op73158,e6p277
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 09:34:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:31:56 2014
Response via : Initial Calibration





TIC: 6p6544.D\data.ms

(41) Caprolactam (t)

7.214min (0.000) 93.66ppb m

response 1055335

Ion	Exp%	Act%
55.10	100	100
56.10	79.20	83.65
113.10	67.50	105.00#
84.10	50.50	72.66

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6545.D
Acq On : 27 Apr 2014 2:18 pm
Operator : ashleyd
Sample : icc277-50
Misc : op73158,e6p277
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 09:36:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:34:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.529	152	640915	40.00	ppb		0.00
24) Naphthalene-d8	6.700	136	2546147	40.00	ppb		0.00
47) Acenaphthene-d10	8.802	164	1512010	40.00	ppb		0.00
69) Phenanthrene-d10	10.995	188	2534506	40.00	ppb		0.00
83) Chrysene-d12	15.215	240	2617544	40.00	ppb		0.00
92) Perylene-d12	17.339	264	2514111	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	640915	40.00	ppb		0.00
104) Phenanthrene-d10a	10.995	188	2534506	40.00	ppb		0.00
107) Chrysene-d12a	15.215	240	2617544	40.00	ppb		0.00
110) Acenaphthene-d10a	8.802	164	1512010	40.00	ppb		0.00
112) Naphthalene-d8a	6.700	136	2546147	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.341	112	1264334	56.13	ppb		0.00
Spiked Amount 50.000			Recovery = 112.26%				
8) Phenol-d5	5.256	99	1762525	56.57	ppb		-0.01
Spiked Amount 50.000			Recovery = 113.14%				
25) Nitrobenzene-d5	6.015	82	1834133	57.38	ppb		-0.01
Spiked Amount 50.000			Recovery = 114.76%				
51) 2-Fluorobiphenyl	7.920	172	2402392	56.72	ppb		0.00
Spiked Amount 50.000			Recovery = 113.44%				
73) 2,4,6-Tribromophenol	9.947	330	380508	60.09	ppb		0.00
Spiked Amount 50.000			Recovery = 120.18%				
86) Terphenyl-d14	13.568	244	2715503	55.25	ppb		-0.01
Spiked Amount 50.000			Recovery = 110.50%				
106) 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	2.106	88	688795	64.05	ppb		84
3) Pyridine	2.501	79	1894598	70.20	ppb		81
4) N-Nitrosodimethylamine	2.464	74	963507	58.59	ppb		98
6) Indene	5.753	116	2641164	67.60	ppb		99
7) Cumene	4.823	105	4154424	66.87	ppb		98
9) Phenol	5.272	94	2196080	62.72	ppb		89
10) Aniline	5.256	93	2526960	69.06	ppb		77
11) bis(2-Chloroethyl)ether	5.320	93	1466376	57.84	ppb		92
12) 2-Chlorophenol	5.358	128	1254483	60.86	ppb		88
13) Decane	5.416	43	967478	66.95	ppb		86
14) 1,3-Dichlorobenzene	5.481	146	1279321	58.46	ppb		98
15) 1,4-Dichlorobenzene	5.545	146	1297526	58.37	ppb		98
16) Benzyl alcohol	5.662	108	955133	65.88	ppb		93
17) 1,2-Dichlorobenzene	5.678	146	1206536	58.80	ppb		99
18) Acetophenone	5.887	105	2511111	69.58	ppb		92
19) 2-Methylphenol	5.775	108	1308554	64.67	ppb		97
20) 2,2'-oxybis(1-Chloropr...	5.780	121	430731	58.94	ppb	#	43
21) 3&4-Methylphenol	5.908	108	1435928	65.04	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6545.D
Acq On : 27 Apr 2014 2:18 pm
Operator : ashleyd
Sample : icc277-50
Misc : op73158,e6p277
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 09:36:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:34:11 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.892	70	1181373	60.42	ppb		95
23) Hexachloroethane	5.973	201	429135	58.59	ppb		90
26) Nitrobenzene	6.037	77	1945907	60.17	ppb		99
27) Quinoline	7.069	129	2797737	69.15	ppb		96
28) Isophorone	6.256	82	3287878	63.10	ppb		98
29) 2-Nitrophenol	6.331	139	645820	63.02	ppb		89
30) 2,4-Dimethylphenol	6.385	107	1571336	67.82	ppb		98
31) Benzoic Acid	6.513	105	835330m	42.67	ppb		
32) bis(2-Chloroethoxy)met...	6.465	93	1763420	59.93	ppb		96
33) 2,4-Dichlorophenol	6.572	162	946860	63.98	ppb		97
34) 2,6-Dichlorophenol	6.791	162	939804	62.40	ppb		100
35) 1,3,5-Trichlorobenzene	6.342	180	1214515	67.24	ppb		97
36) 1,2,4-Trichlorobenzene	6.647	180	1015918	58.27	ppb		97
37) 1,2,3-Trichlorobenzene	6.871	180	1154008	66.79	ppb		99
38) Naphthalene	6.721	128	3642611	59.78	ppb		100
39) 4-Chloroaniline	6.780	127	1596678	64.46	ppb		99
40) 2,3-Dichloroaniline	7.813	161	1375383	69.33	ppb		98
41) Caprolactam	7.176	55	573383	73.78	ppb	#	78
42) Hexachlorobutadiene	6.855	225	585251	60.13	ppb		98
43) 4-Chloro-3-methylphenol	7.326	107	1410419	62.29	ppb		97
44) 2-Methylnaphthalene	7.470	141	2027076	58.69	ppb		98
45) 1-Methylnaphthalene	7.588	141	2298318	67.33	ppb		99
46) Dimethylnaphthalene	8.246	156	2509415	68.63	ppb		99
48) Hexachlorocyclopentadiene	7.668	237	1376039	151.75	ppb		99
49) 2,4,6-Trichlorophenol	7.823	196	684681	60.76	ppb		99
50) 2,4,5-Trichlorophenol	7.877	196	733317	64.59	ppb		99
52) 2-Chloronaphthalene	8.064	162	2214727	58.92	ppb		95
53) Biphenyl	8.048	154	3359290	67.01	ppb		99
54) 2-Nitroaniline	8.208	65	1012765	62.05	ppb		99
55) Dimethylphthalate	8.460	163	2480334	58.94	ppb		98
56) Acenaphthylene	8.610	152	3669409	60.09	ppb		99
57) 2,6-Dinitrotoluene	8.535	165	591756	61.98	ppb		95
58) 3-Nitroaniline	8.765	138	681609	63.74	ppb		96
59) Acenaphthene	8.850	153	2273109	58.04	ppb		97
60) 2,4-Dinitrophenol	8.914	184	724436	120.74	ppb		96
61) 4-Nitrophenol	9.043	109	536182	56.08	ppb	#	68
62) Dibenzofuran	9.091	168	3097910	58.41	ppb		99
63) 2,4-Dinitrotoluene	9.096	165	828915	64.79	ppb		81
64) 2,3,4,6-Tetrachlorophenol	9.289	232	611598	68.23	ppb		93
65) Diethylphthalate	9.465	149	2684179	60.01	ppb		100
66) Fluorene	9.588	166	2614131	59.84	ppb		96
67) 4-Chlorophenyl-phenyle...	9.604	204	1106576	58.06	ppb		99
68) 4-Nitroaniline	9.642	138	653582	62.62	ppb		86
70) 4,6-Dinitro-2-methylph...	9.695	198	479747	56.00	ppb		94
71) n-Nitrosodiphenylamine	9.786	169	1747397	58.84	ppb		99
72) 1,2-Diphenylhydrazine	9.840	77	4055079	60.45	ppb		96
74) 4-Bromophenyl-phenylether	10.332	248	667164	58.51	ppb		96
75) Hexachlorobenzene	10.423	284	792547	58.16	ppb		84
76) Pentachlorophenol	10.738	266	908504	158.64	ppb		97
77) Phenanthrene	11.032	178	3699137	56.25	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6545.D
Acq On : 27 Apr 2014 2:18 pm
Operator : ashleyd
Sample : icc277-50
Misc : op73158,e6p277
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 09:36:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:34:11 2014
Response via : Initial Calibration

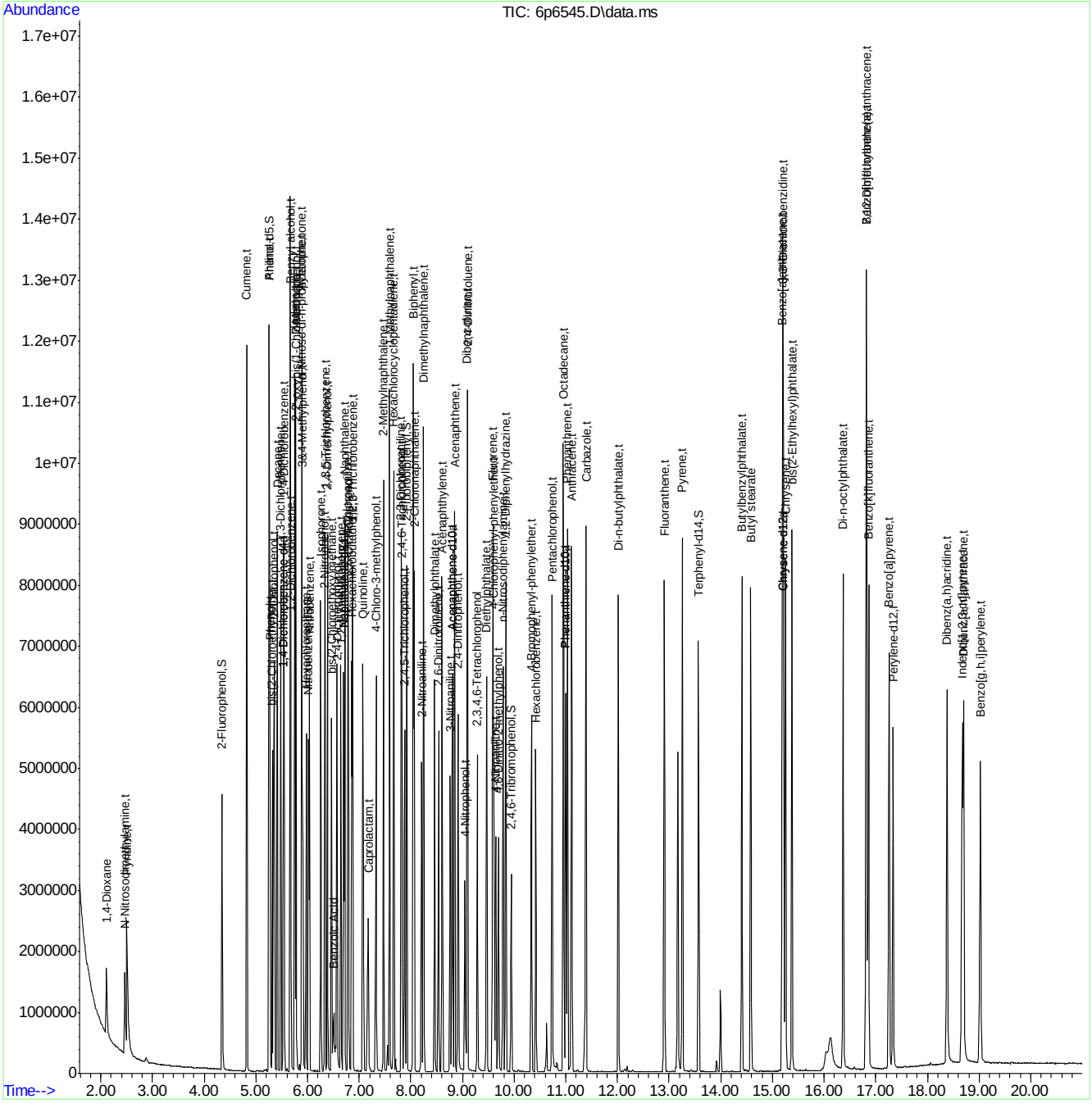
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.113	178	3805417	59.21	ppb	99
79) Carbazole	11.391	167	4141475	68.87	ppb	100
80) Di-n-butylphthalate	12.017	149	4528510	60.55	ppb	99
81) Fluoranthene	12.905	202	4028934	59.23	ppb	96
82) Octadecane	10.952	57	1927341	68.15	ppb	83
84) Pyrene	13.258	202	4200792	56.56	ppb	94
85) Butyl stearate	14.579	56	1109179	65.70	ppb	76
87) Butylbenzylphthalate	14.407	149	2067979	59.03	ppb	96
88) Benzo[a]anthracene	15.194	228	3756901	55.44	ppb	98
89) 3,3'-Dichlorobenzidine	15.199	252	1390731	62.10	ppb	99
90) Chrysene	15.253	228	3482513	55.82	ppb	100
91) bis(2-Ethylhexyl)phtha...	15.376	149	2853119	60.52	ppb	98
93) Di-n-octylphthalate	16.370	149	5020057	58.47	ppb	97
94) Benzo[b]fluoranthene	16.820	252	4044283	53.93	ppb	97
95) Benzo[k]fluoranthene	16.863	252	3607541	54.87	ppb	97
96) Benzo[a]pyrene	17.258	252	3468787	55.22	ppb	95
97) Indeno[1,2,3-cd]pyrene	18.676	276	3693687	52.33	ppb	77
98) Dibenz(a,h)acridine	18.382	279	3480484	63.38	ppb	99
99) Dibenz[a,h]anthracene	18.702	278	3434030	55.43	ppb	90
100) 7,12-Dimethylbenz(a)an...	16.820	256	2145516	74.05	ppb	98
101) Benzo[g,h,i]perylene	19.029	276	3339297	53.92	ppb	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6545.D
Acq On : 27 Apr 2014 2:18 pm
Operator : ashleyd
Sample : icc277-50
Misc : op73158,e6p277
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 09:36:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:34:11 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

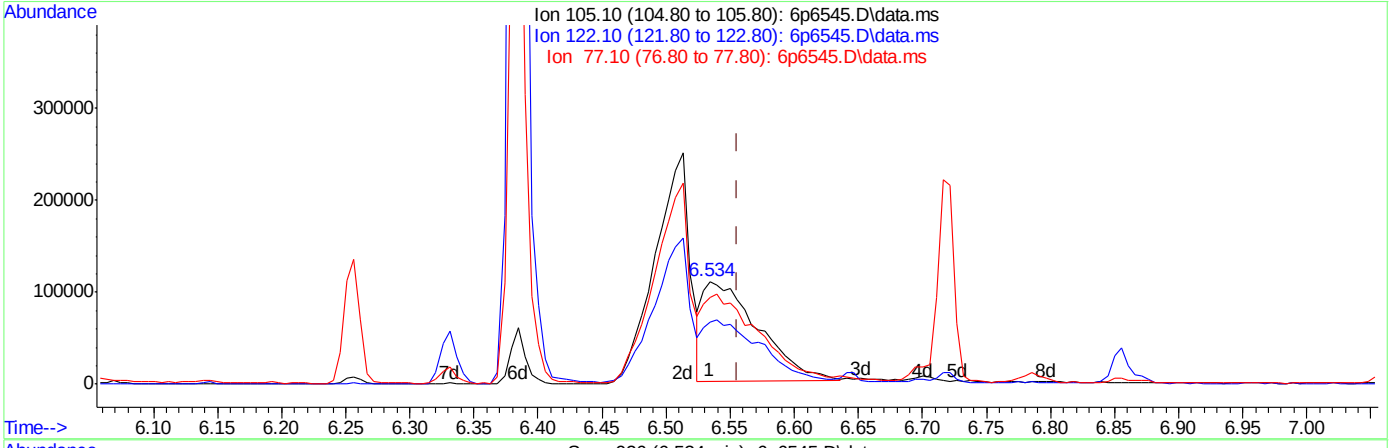
Sample Number:	E6P277-ICC277	**Method:**	SW846 8270D
Lab FileID:	6P6545.D	**Analyst approved:**	04/28/14 13:35 Emily Pisarski
Injection Time:	04/27/14 14:18	**Supervisor approved:**	04/28/14 15:39 Nina Pandya

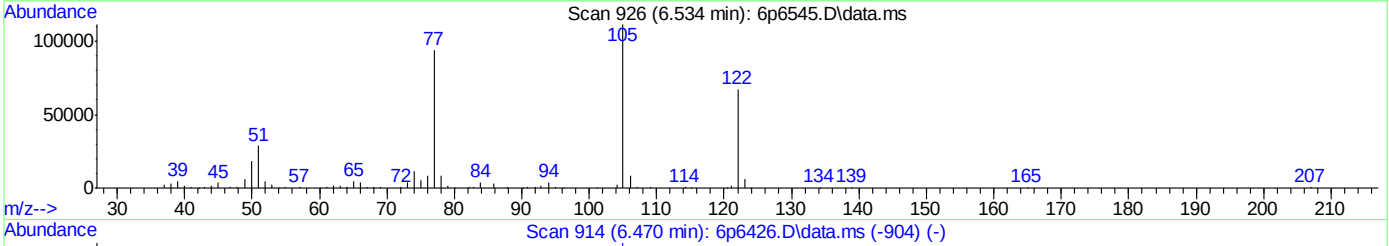
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.51	Poor instrument integration

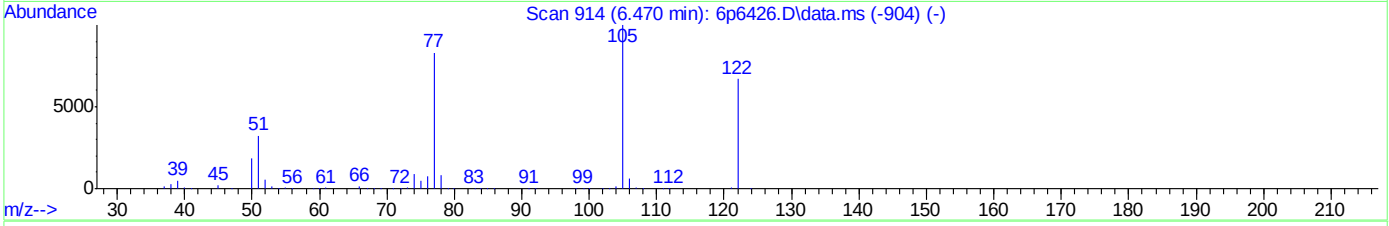
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6545.D
Acq On : 27 Apr 2014 2:18 pm
Operator : ashleyd
Sample : icc277-50
Misc : op73158,e6p277
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 09:34:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:34:11 2014
Response via : Initial Calibration







TIC: 6p6545.D\data.ms

(31) Benzoic Acid

6.534min (-0.021) 16.69ppb

response 326696

Ion	Exp%	Act%
105.10	100	100
122.10	28.90	64.16#
77.10	33.10	88.64#
0.00	0.00	0.00

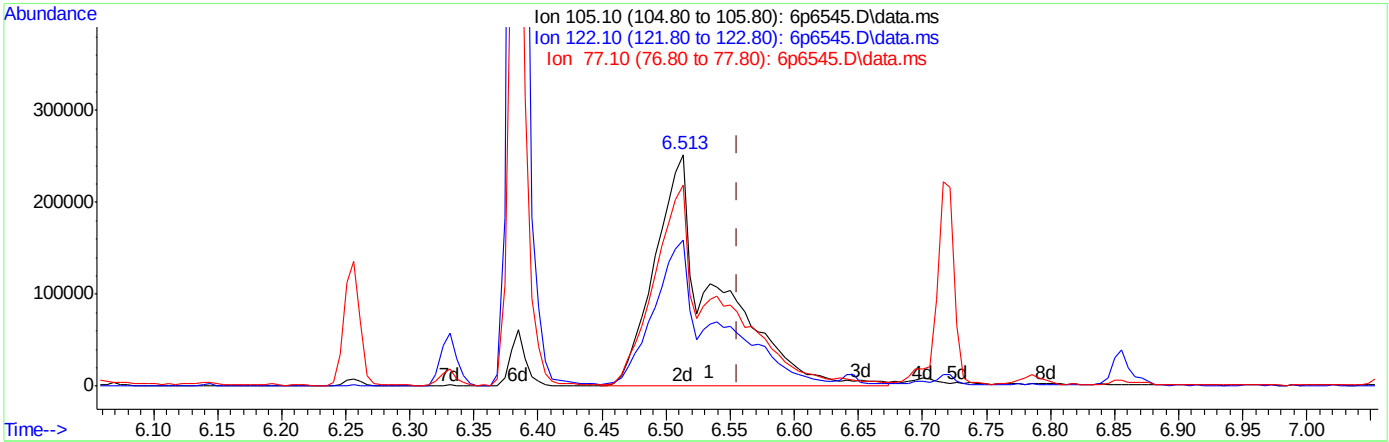
9.6.37.2

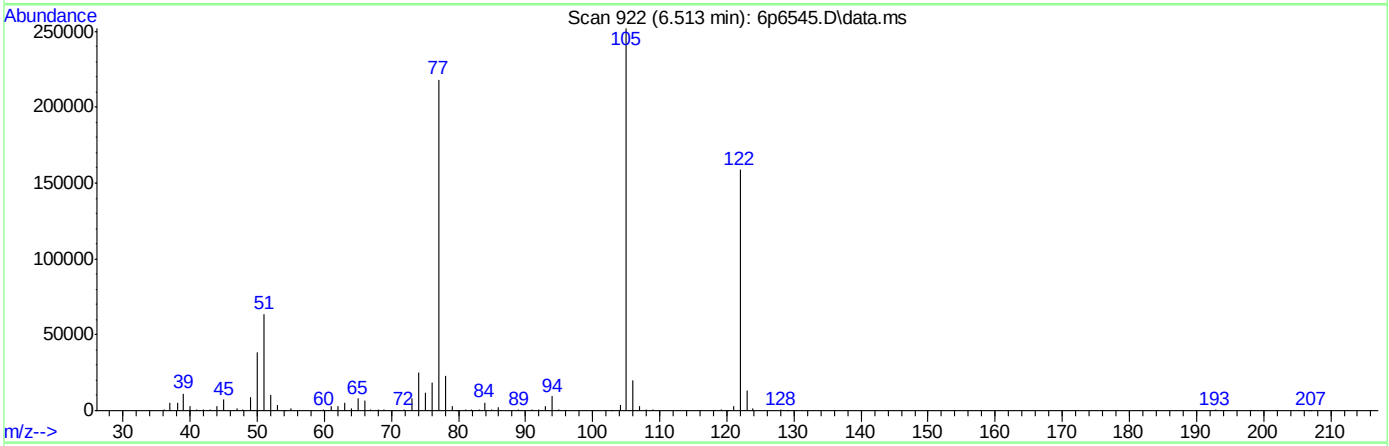
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6545.D
Acq On : 27 Apr 2014 2:18 pm
Operator : ashleyd
Sample : icc277-50
Misc : op73158,e6p277
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 09:36:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:34:11 2014
Response via : Initial Calibration





TIC: 6p6545.D\data.ms

(31) Benzoic Acid

6.513min (-0.043) 42.67ppb m

response 835330

Ion	Exp%	Act%
105.10	100	100
122.10	28.90	25.09
77.10	33.10	34.67
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6546.D
Acq On : 27 Apr 2014 2:46 pm
Operator : ashleyd
Sample : ic277-25
Misc : op73158,e6p277
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 09:38:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:36:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.529	152	566983	40.00	ppb	0.00
24) Naphthalene-d8	6.695	136	2239897	40.00	ppb	0.00
47) Acenaphthene-d10	8.802	164	1333202	40.00	ppb	0.00
69) Phenanthrene-d10	10.995	188	2221010	40.00	ppb	0.00
83) Chrysene-d12	15.210	240	2292910	40.00	ppb	0.00
92) Perylene-d12	17.333	264	2179922	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	566983	40.00	ppb	0.00
104) Phenanthrene-d10a	10.995	188	2221010	40.00	ppb	0.00
107) Chrysene-d12a	15.210	240	2292910	40.00	ppb	0.00
110) Acenaphthene-d10a	8.802	164	1333202	40.00	ppb	0.00
112) Naphthalene-d8a	6.695	136	2239897	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.341	112	548376	26.70	ppb	0.00
Spiked Amount 50.000			Recovery = 53.40%			
8) Phenol-d5	5.256	99	793780	27.88	ppb	0.00
Spiked Amount 50.000			Recovery = 55.76%			
25) Nitrobenzene-d5	6.015	82	801827	27.50	ppb	0.00
Spiked Amount 50.000			Recovery = 55.00%			
51) 2-Fluorobiphenyl	7.920	172	1040660	26.96	ppb	0.00
Spiked Amount 50.000			Recovery = 53.92%			
73) 2,4,6-Tribromophenol	9.941	330	160501	27.54	ppb	0.00
Spiked Amount 50.000			Recovery = 55.08%			
86) Terphenyl-d14	13.568	244	1188605	26.90	ppb	0.00
Spiked Amount 50.000			Recovery = 53.80%			
106) 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	2.106	88	302023	29.66	ppb	99
3) Pyridine	2.507	79	827037	31.46	ppb	99
4) N-Nitrosodimethylamine	2.464	74	421106	27.75	ppb	99
6) Indene	5.753	116	1167600	31.05	ppb	99
7) Cumene	4.823	105	1841622	30.90	ppb	99
9) Phenol	5.267	94	967345	29.36	ppb	98
10) Aniline	5.251	93	1114096	31.42	ppb	96
11) bis(2-Chloroethyl)ether	5.315	93	655175	28.11	ppb	96
12) 2-Chlorophenol	5.358	128	551108	28.67	ppb	98
13) Decane	5.411	43	435175	31.38	ppb	100
14) 1,3-Dichlorobenzene	5.481	146	566160	28.06	ppb	99
15) 1,4-Dichlorobenzene	5.545	146	575546	28.09	ppb	99
16) Benzyl alcohol	5.662	108	417363	30.15	ppb	97
17) 1,2-Dichlorobenzene	5.673	146	534705	28.21	ppb	98
18) Acetophenone	5.882	105	1113053	31.75	ppb	96
19) 2-Methylphenol	5.775	108	599039	31.18	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.775	121	185275	27.43	ppb	98
21) 3&4-Methylphenol	5.903	108	634036	30.19	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6546.D
Acq On : 27 Apr 2014 2:46 pm
Operator : ashleyd
Sample : ic277-25
Misc : op73158,e6p277
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 09:38:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:36:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.887	70	543993	29.89	ppb		99
23) Hexachloroethane	5.973	201	190137	28.13	ppb		98
26) Nitrobenzene	6.032	77	857646	28.69	ppb		99
27) Quinoline	7.064	129	1208261	30.98	ppb		99
28) Isophorone	6.251	82	1448968	29.67	ppb		100
29) 2-Nitrophenol	6.326	139	280496	29.21	ppb		93
30) 2,4-Dimethylphenol	6.379	107	694366	31.28	ppb		99
31) Benzoic Acid	6.475	105	242646m	14.81	ppb		
32) bis(2-Chloroethoxy)met...	6.459	93	778336	28.64	ppb		98
33) 2,4-Dichlorophenol	6.566	162	417099	29.94	ppb		95
34) 2,6-Dichlorophenol	6.786	162	410559	29.18	ppb		98
35) 1,3,5-Trichlorobenzene	6.336	180	537508	31.14	ppb		98
36) 1,2,4-Trichlorobenzene	6.641	180	458538	28.71	ppb		96
37) 1,2,3-Trichlorobenzene	6.866	180	507197	30.78	ppb		96
38) Naphthalene	6.716	128	1583133	28.16	ppb		100
39) 4-Chloroaniline	6.775	127	686615	29.39	ppb		98
40) 2,3-Dichloroaniline	7.813	161	595180	31.10	ppb		99
41) Caprolactam	7.149	55	245687	32.12	ppb		97
42) Hexachlorobutadiene	6.855	225	254784	28.32	ppb		98
43) 4-Chloro-3-methylphenol	7.321	107	610092	28.85	ppb		99
44) 2-Methylnaphthalene	7.470	141	886371	27.96	ppb		98
45) 1-Methylnaphthalene	7.588	141	1005418	30.81	ppb		98
46) Dimethylnaphthalene	8.246	156	1091100	31.03	ppb		99
48) Hexachlorocyclopentadiene	7.668	237	556981	61.68	ppb		99
49) 2,4,6-Trichlorophenol	7.823	196	295813	28.25	ppb		99
50) 2,4,5-Trichlorophenol	7.871	196	309867	28.85	ppb		98
52) 2-Chloronaphthalene	8.064	162	949096	27.41	ppb		98
53) Biphenyl	8.043	154	1459536	30.43	ppb		99
54) 2-Nitroaniline	8.203	65	442156	28.98	ppb		98
55) Dimethylphthalate	8.454	163	1079436	27.85	ppb		99
56) Acenaphthylene	8.604	152	1582942	27.99	ppb		99
57) 2,6-Dinitrotoluene	8.529	165	255346	28.62	ppb		96
58) 3-Nitroaniline	8.754	138	285935	28.38	ppb		88
59) Acenaphthene	8.845	153	982040	27.34	ppb		100
60) 2,4-Dinitrophenol	8.909	184	264632	46.79	ppb		93
61) 4-Nitrophenol	9.043	109	234555	26.74	ppb	#	83
62) Dibenzofuran	9.091	168	1351790	27.74	ppb		98
63) 2,4-Dinitrotoluene	9.091	165	356191	29.40	ppb		97
64) 2,3,4,6-Tetrachlorophenol	9.283	232	257721	29.88	ppb		98
65) Diethylphthalate	9.465	149	1145537	27.66	ppb		99
66) Fluorene	9.583	166	1135120	28.09	ppb		100
67) 4-Chlorophenyl-phenyle...	9.604	204	491523	28.12	ppb		97
68) 4-Nitroaniline	9.631	138	286979	29.33	ppb		99
70) 4,6-Dinitro-2-methylph...	9.685	198	189292	24.24	ppb		99
71) n-Nitrosodiphenylamine	9.781	169	771486	28.39	ppb		99
72) 1,2-Diphenylhydrazine	9.834	77	1788154	28.91	ppb		98
74) 4-Bromophenyl-phenylether	10.332	248	281381	27.01	ppb		96
75) Hexachlorobenzene	10.417	284	340927	27.43	ppb		94
76) Pentachlorophenol	10.733	266	354147	61.55	ppb		99
77) Phenanthrene	11.027	178	1603936	26.99	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6546.D
Acq On : 27 Apr 2014 2:46 pm
Operator : ashleyd
Sample : ic277-25
Misc : op73158,e6p277
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 09:38:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:36:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.107	178	1666572	28.29	ppb	99
79) Carbazole	11.386	167	1797392	31.17	ppb	99
80) Di-n-butylphthalate	12.017	149	1977668	28.66	ppb	100
81) Fluoranthene	12.905	202	1749098	28.05	ppb	99
82) Octadecane	10.947	57	867496	32.09	ppb	98
84) Pyrene	13.252	202	1827235	27.19	ppb	98
85) Butyl stearate	14.579	56	482329	30.24	ppb	96
87) Butylbenzylphthalate	14.407	149	905524	28.23	ppb	97
88) Benzo[a]anthracene	15.194	228	1649945	27.06	ppb	100
89) 3,3'-Dichlorobenzidine	15.199	252	596184	28.66	ppb	99
90) Chrysene	15.247	228	1536615	27.32	ppb	99
91) bis(2-Ethylhexyl)phtha...	15.376	149	1225472	28.19	ppb	99
93) Di-n-octylphthalate	16.365	149	2163395	27.88	ppb	99
94) Benzo[b]fluoranthene	16.809	252	1740241	26.25	ppb	99
95) Benzo[k]fluoranthene	16.852	252	1627259	27.87	ppb	99
96) Benzo[a]pyrene	17.253	252	1538918	27.54	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.665	276	1579056	25.50	ppb	99
98) Dibenz(a,h)acridine	18.376	279	1518325	29.89	ppb	100
99) Dibenz[a,h]anthracene	18.692	278	1494161	27.08	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.814	256	934319	33.20	ppb	98
101) Benzo[g,h,i]perylene	19.018	276	1480260	27.04	ppb	98

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

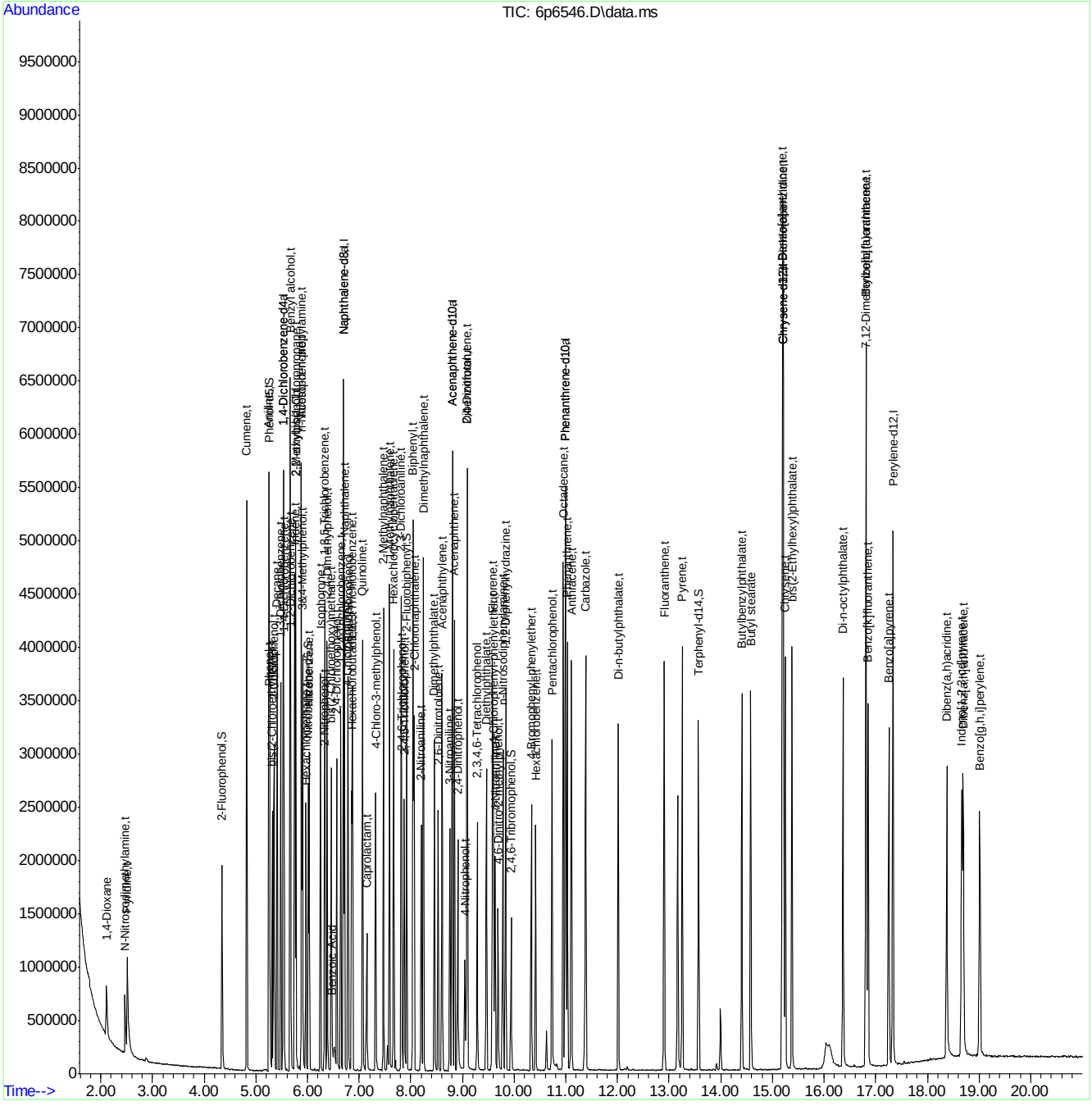
9.6.38

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6546.D
Acq On : 27 Apr 2014 2:46 pm
Operator : ashleyd
Sample : ic277-25
Misc : op73158,e6p277
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 09:38:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:36:51 2014
Response via : Initial Calibration



Manual Integration Approval Summary

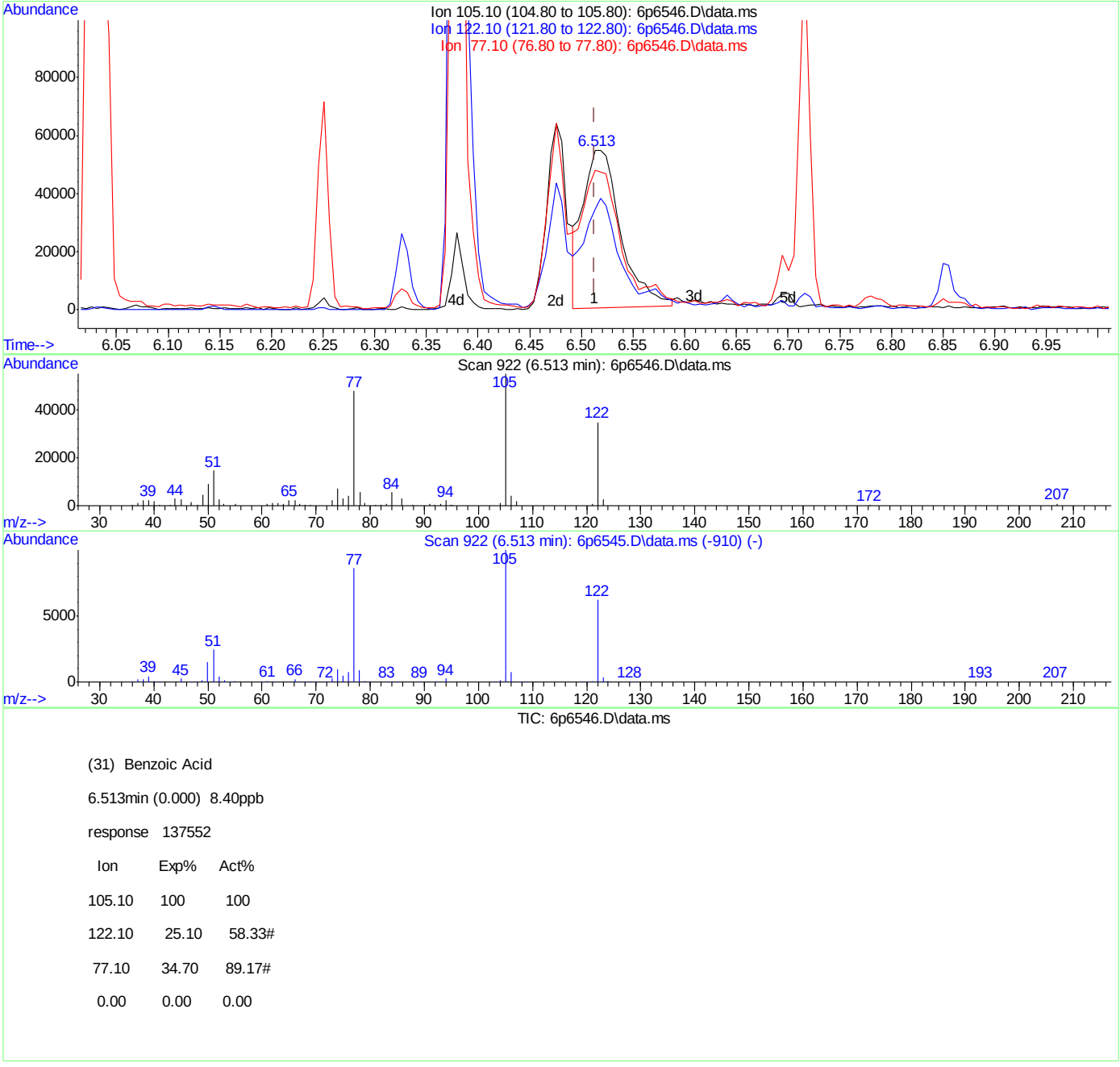
Sample Number:	E6P277-IC277	**Method:**	SW846 8270D
Lab FileID:	6P6546.D	**Analyst approved:**	04/28/14 13:35 Emily Pisarski
Injection Time:	04/27/14 14:46	**Supervisor approved:**	04/28/14 15:39 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.48	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6546.D
Acq On : 27 Apr 2014 2:46 pm
Operator : ashleyd
Sample : ic277-25
Misc : op73158,e6p277
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 09:37:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:36:51 2014
Response via : Initial Calibration



TIC: 6p6546.D\data.ms

(31) Benzoic Acid

6.513min (0.000) 8.40ppb

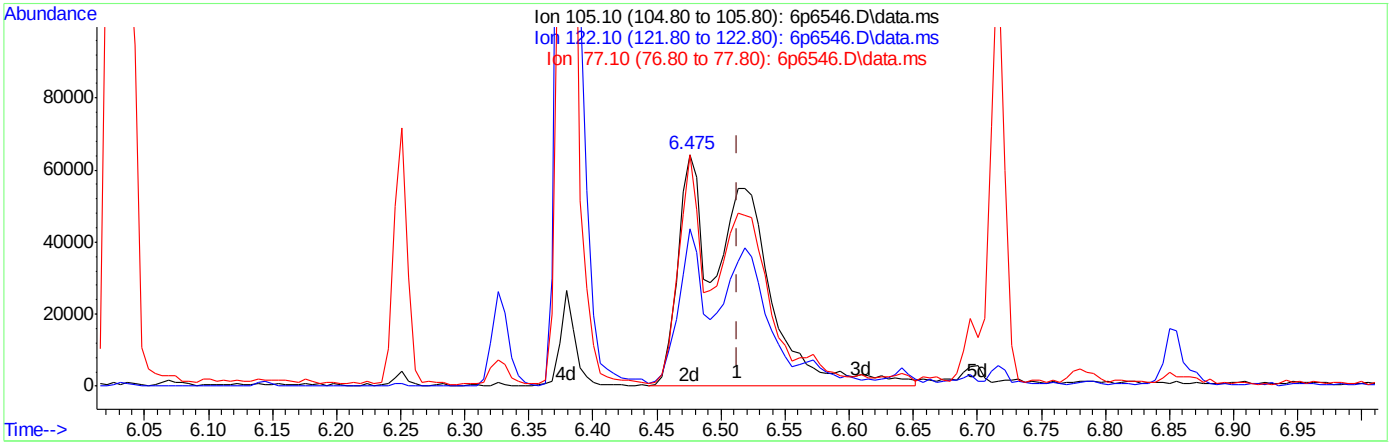
response 137552

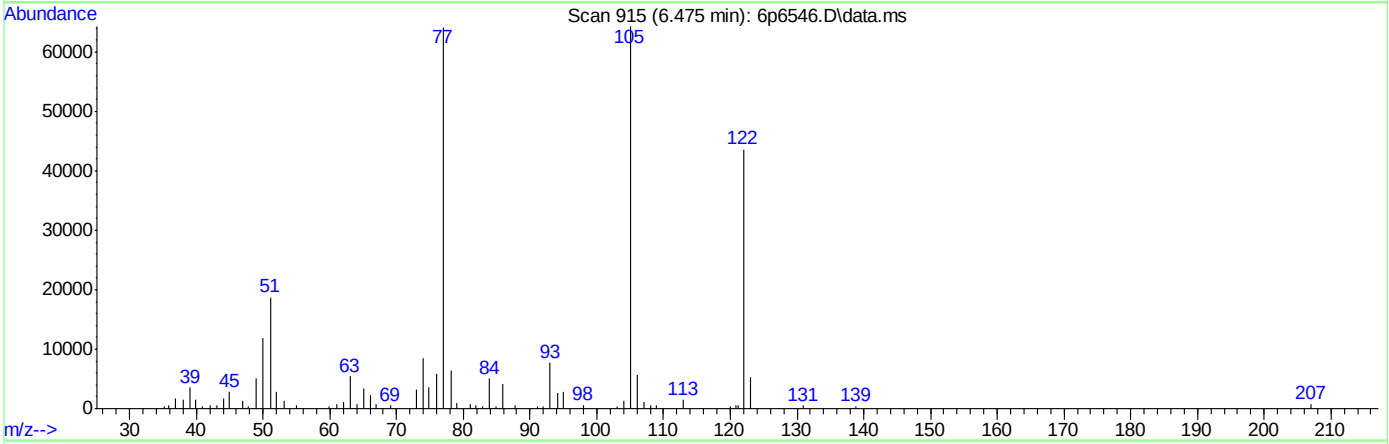
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	58.33#
77.10	34.70	89.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6546.D
Acq On : 27 Apr 2014 2:46 pm
Operator : ashleyd
Sample : ic277-25
Misc : op73158,e6p277
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 09:38:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:36:51 2014
Response via : Initial Calibration





TIC: 6p6546.D\data.ms

(31) Benzoic Acid

6.475min (-0.037) 14.81ppb m

response 242646

Ion	Exp%	Act%
105.10	100	100
122.10	25.10	33.07
77.10	34.70	50.55
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:41:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.529	152	1466685	40.00	ppb	0.00
24) Naphthalene-d8	6.700	136	5841278	40.00	ppb	0.00
47) Acenaphthene-d10	8.808	164	3459945	40.00	ppb	0.00
69) Phenanthrene-d10	11.000	188	5749045	40.00	ppb	0.00
83) Chrysene-d12	15.215	240	5813608	40.00	ppb	0.00
92) Perylene-d12	17.344	264	5208027	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	1466685	40.00	ppb	0.00
104) Phenanthrene-d10a	11.000	188	5749045	40.00	ppb	0.00
107) Chrysene-d12a	15.215	240	5813608	40.00	ppb	0.00
110) Acenaphthene-d10a	8.808	164	3459945	40.00	ppb	0.00
112) Naphthalene-d8a	6.700	136	5841278	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.341	112	525242	9.75	ppb	0.00
Spiked Amount 50.000			Recovery	=	19.50%	
8) Phenol-d5	5.256	99	775174	10.29	ppb	0.00
Spiked Amount 50.000			Recovery	=	20.58%	
25) Nitrobenzene-d5	6.016	82	770969	9.94	ppb	0.00
Spiked Amount 50.000			Recovery	=	19.88%	
51) 2-Fluorobiphenyl	7.920	172	1008381	9.91	ppb	0.00
Spiked Amount 50.000			Recovery	=	19.82%	
73) 2,4,6-Tribromophenol	9.941	330	148073	9.62	ppb	0.00
Spiked Amount 50.000			Recovery	=	19.24%	
86) Terphenyl-d14	13.568	244	1121844	9.86	ppb	0.00
Spiked Amount 50.000			Recovery	=	19.72%	
106) 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
2) 1,4-Dioxane	2.111	88	237457	8.69	ppb	99
3) Pyridine	2.512	79	570445	7.98	ppb	98
4) N-Nitrosodimethylamine	2.475	74	368724	9.19	ppb	99
6) Indene	5.753	116	919031	9.01	ppb	99
7) Cumene	4.823	105	1449607	8.98	ppb	99
9) Phenol	5.267	94	880568	9.98	ppb	96
10) Aniline	5.256	93	914083	9.48	ppb	90
11) bis(2-Chloroethyl)ether	5.315	93	600565	9.72	ppb	95
12) 2-Chlorophenol	5.358	128	487705	9.53	ppb	98
13) Decane	5.416	43	343435	9.11	ppb	94
14) 1,3-Dichlorobenzene	5.481	146	510861	9.55	ppb	98
15) 1,4-Dichlorobenzene	5.545	146	519619	9.57	ppb	97
16) Benzyl alcohol	5.663	108	375317	10.07	ppb	98
17) 1,2-Dichlorobenzene	5.673	146	486412	9.67	ppb	96
18) Acetophenone	5.882	105	867719	9.08	ppb	95
19) 2-Methylphenol	5.775	108	522958	10.03	ppb	97
20) 2,2'-oxybis(1-Chloropr...	5.775	121	174168	9.78	ppb	95
21) 3&4-Methylphenol	5.903	108	547127	9.67	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:41:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.887	70	496658	10.15	ppb		98
23) Hexachloroethane	5.973	201	172969	9.65	ppb		98
26) Nitrobenzene	6.032	77	785855	9.79	ppb		99
27) Quinoline	7.064	129	949765	8.91	ppb		98
28) Isophorone	6.251	82	1308579	9.90	ppb		99
29) 2-Nitrophenol	6.326	139	252814	9.77	ppb		90
30) 2,4-Dimethylphenol	6.379	107	482635	7.94	ppb		96
31) Benzoic Acid	6.476	105	180857m	4.71	ppb		
32) bis(2-Chloroethoxy)met...	6.459	93	691019	9.48	ppb		98
33) 2,4-Dichlorophenol	6.566	162	362475	9.60	ppb		94
34) 2,6-Dichlorophenol	6.791	162	358491	9.45	ppb		99
35) 1,3,5-Trichlorobenzene	6.336	180	426490	9.03	ppb		97
36) 1,2,4-Trichlorobenzene	6.641	180	412454	9.62	ppb		97
37) 1,2,3-Trichlorobenzene	6.871	180	401278	8.93	ppb		98
38) Naphthalene	6.716	128	1421469	9.46	ppb		99
39) 4-Chloroaniline	6.780	127	611050	9.69	ppb		97
40) 2,3-Dichloroaniline	7.813	161	470074	8.98	ppb		98
41) Caprolactam	7.144	55	193426	9.17	ppb		95
42) Hexachlorobutadiene	6.855	225	235986	9.80	ppb		96
43) 4-Chloro-3-methylphenol	7.321	107	544330	9.58	ppb		99
44) 2-Methylnaphthalene	7.470	141	822397	9.72	ppb		97
45) 1-Methylnaphthalene	7.583	141	794577	8.92	ppb		98
46) Dimethylnaphthalene	8.246	156	857656	8.92	ppb		100
48) Hexachlorocyclopentadiene	7.668	237	437956	17.85	ppb		100
49) 2,4,6-Trichlorophenol	7.823	196	262680	9.42	ppb		98
50) 2,4,5-Trichlorophenol	7.872	196	287884	10.02	ppb		99
52) 2-Chloronaphthalene	8.064	162	879762	9.61	ppb		98
53) Biphenyl	8.043	154	1156382	8.90	ppb		98
54) 2-Nitroaniline	8.203	65	394683	9.66	ppb		96
55) Dimethylphthalate	8.454	163	987618	9.60	ppb		99
56) Acenaphthylene	8.604	152	1420389	9.45	ppb		99
57) 2,6-Dinitrotoluene	8.529	165	228860	9.61	ppb		100
58) 3-Nitroaniline	8.754	138	269053	10.02	ppb		90
59) Acenaphthene	8.845	153	886277	9.33	ppb		100
60) 2,4-Dinitrophenol	8.909	184	196589	13.61	ppb		98
61) 4-Nitrophenol	9.043	109	181472	7.83	ppb	#	76
62) Dibenzofuran	9.086	168	1244199	9.63	ppb		99
63) 2,4-Dinitrotoluene	9.091	165	322692	9.91	ppb		97
64) 2,3,4,6-Tetrachlorophenol	9.284	232	225078	9.68	ppb		96
65) Diethylphthalate	9.460	149	1056958	9.63	ppb		99
66) Fluorene	9.583	166	1021853	9.51	ppb		100
67) 4-Chlorophenyl-phenyle...	9.599	204	449461	9.67	ppb		96
68) 4-Nitroaniline	9.631	138	258214	9.83	ppb		98
70) 4,6-Dinitro-2-methylph...	9.690	198	158378	7.90	ppb		98
71) n-Nitrosodiphenylamine	9.781	169	689673	9.55	ppb		98
72) 1,2-Diphenylhydrazine	9.834	77	1631828	9.88	ppb		98
74) 4-Bromophenyl-phenylether	10.332	248	260595	9.51	ppb		95
75) Hexachlorobenzene	10.417	284	313562	9.56	ppb		97
76) Pentachlorophenol	10.733	266	306879	19.69	ppb		95
77) Phenanthrene	11.033	178	1443445	9.24	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:41:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.107	178	1474443	9.42	ppb	99
79) Carbazole	11.380	167	1411564	9.01	ppb	99
80) Di-n-butylphthalate	12.017	149	1801804	9.80	ppb	99
81) Fluoranthene	12.905	202	1581810	9.57	ppb	98
82) Octadecane	10.947	57	696887	9.43	ppb	99
84) Pyrene	13.252	202	1647365	9.50	ppb	99
85) Butyl stearate	14.579	56	425461	10.10	ppb	95
87) Butylbenzylphthalate	14.408	149	821657	9.85	ppb	98
88) Benzo[a]anthracene	15.194	228	1481449	9.43	ppb	99
89) 3,3'-Dichlorobenzidine	15.199	252	532396	9.81	ppb	99
90) Chrysene	15.247	228	1372106	9.45	ppb	99
91) bis(2-Ethylhexyl)phtha...	15.376	149	1119404	9.90	ppb	98
93) Di-n-octylphthalate	16.365	149	1927955	10.17	ppb	99
94) Benzo[b]fluoranthene	16.809	252	1475155	9.22	ppb	97
95) Benzo[k]fluoranthene	16.847	252	1462686	10.25	ppb	98
96) Benzo[a]pyrene	17.253	252	1320743	9.70	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.665	276	1372261m	9.24	ppb	
98) Dibenz(a,h)acridine	18.376	279	1157529	9.18	ppb	99
99) Dibenz[a,h]anthracene	18.692	278	1283773	9.58	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.809	256	524785	7.32	ppb	99
101) Benzo[g,h,i]perylene	19.013	276	1268961	9.55	ppb	99

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

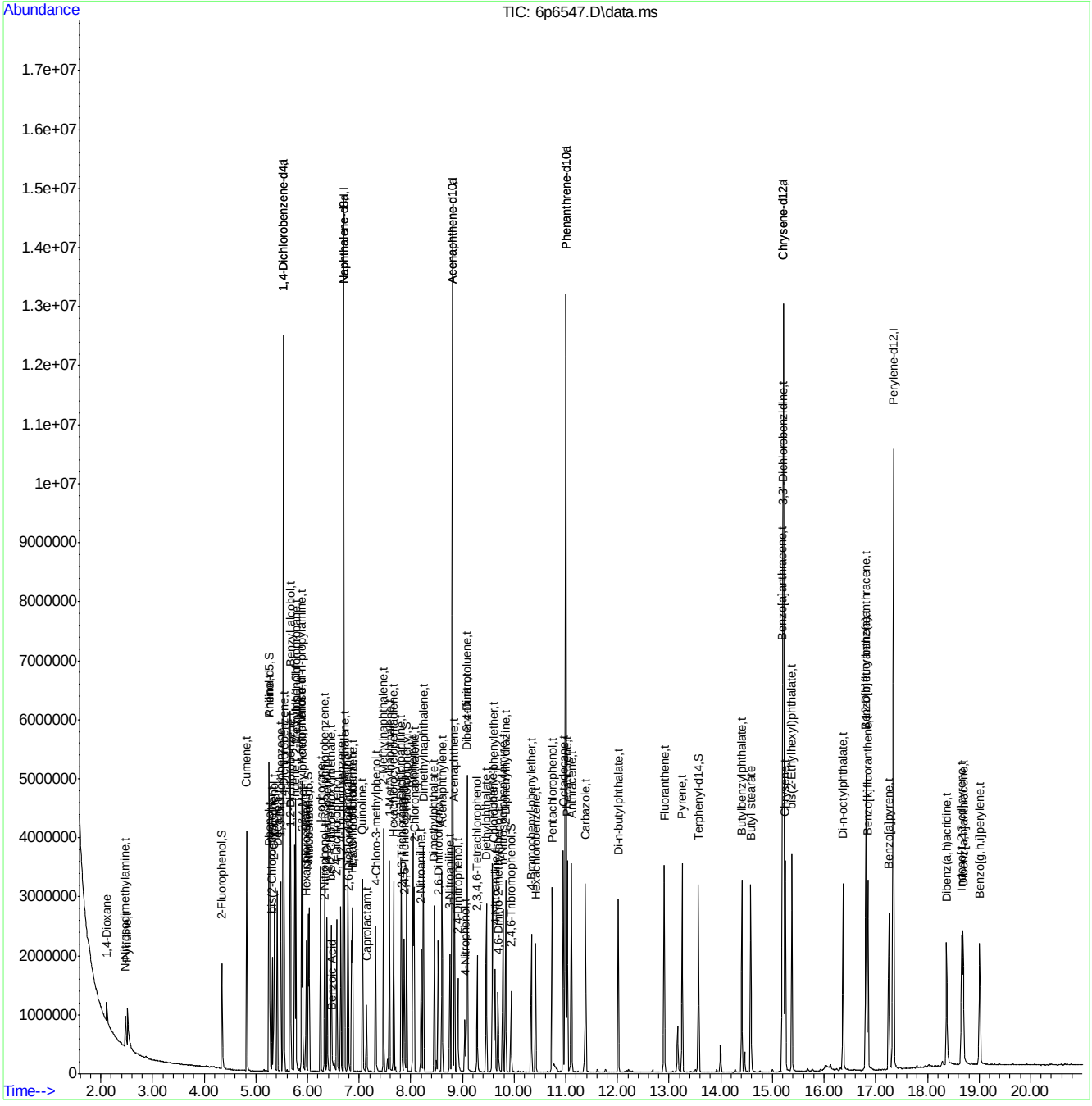
9.6.39

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:41:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

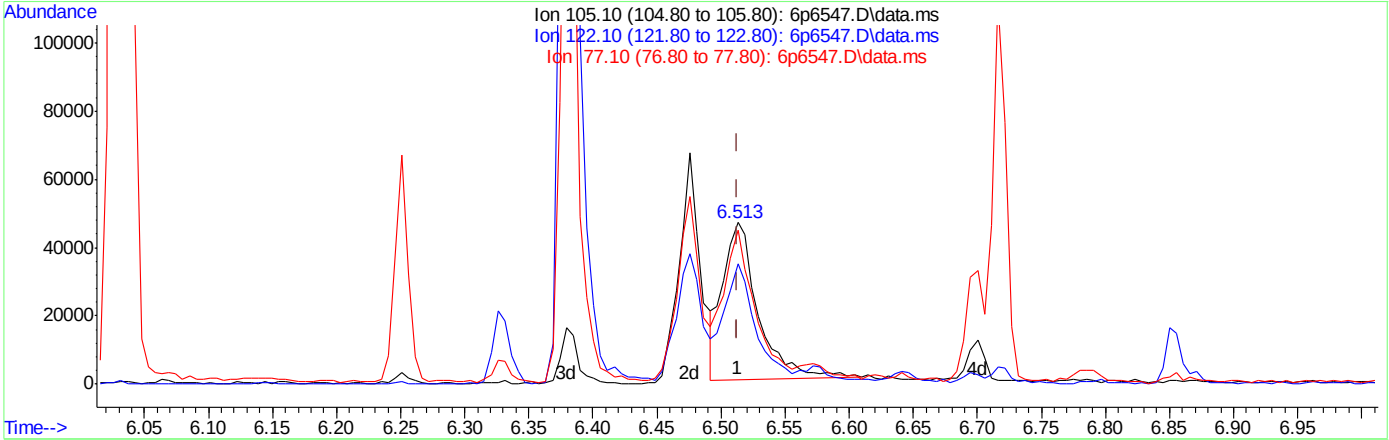
Sample Number: E6P277-IC277
Lab FileID: 6P6547.D
Injection Time: 04/27/14 15:15
Method: SW846 8270D
Analyst approved: 04/28/14 13:35 Emily Pisarski
Supervisor approved: 04/28/14 15:39 Nina Pandya

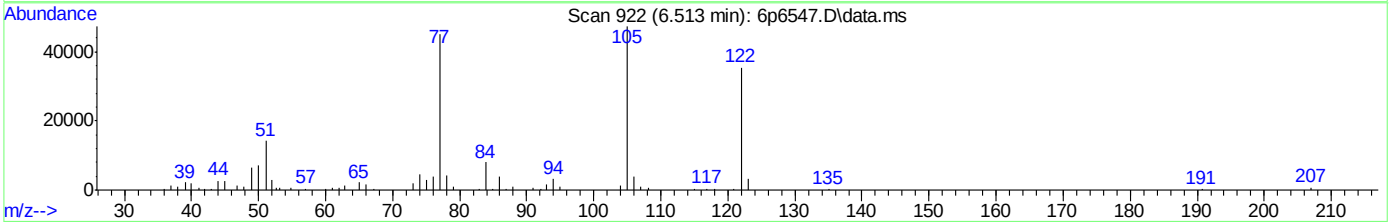
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.48	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.67	Poor instrument integration

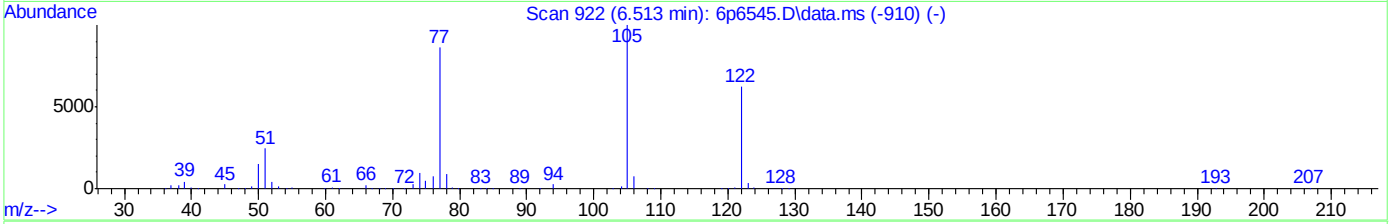
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:40:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration







TIC: 6p6547.D\data.ms

(31) Benzoic Acid

6.513min (+0.000) 2.32ppb

response 89114

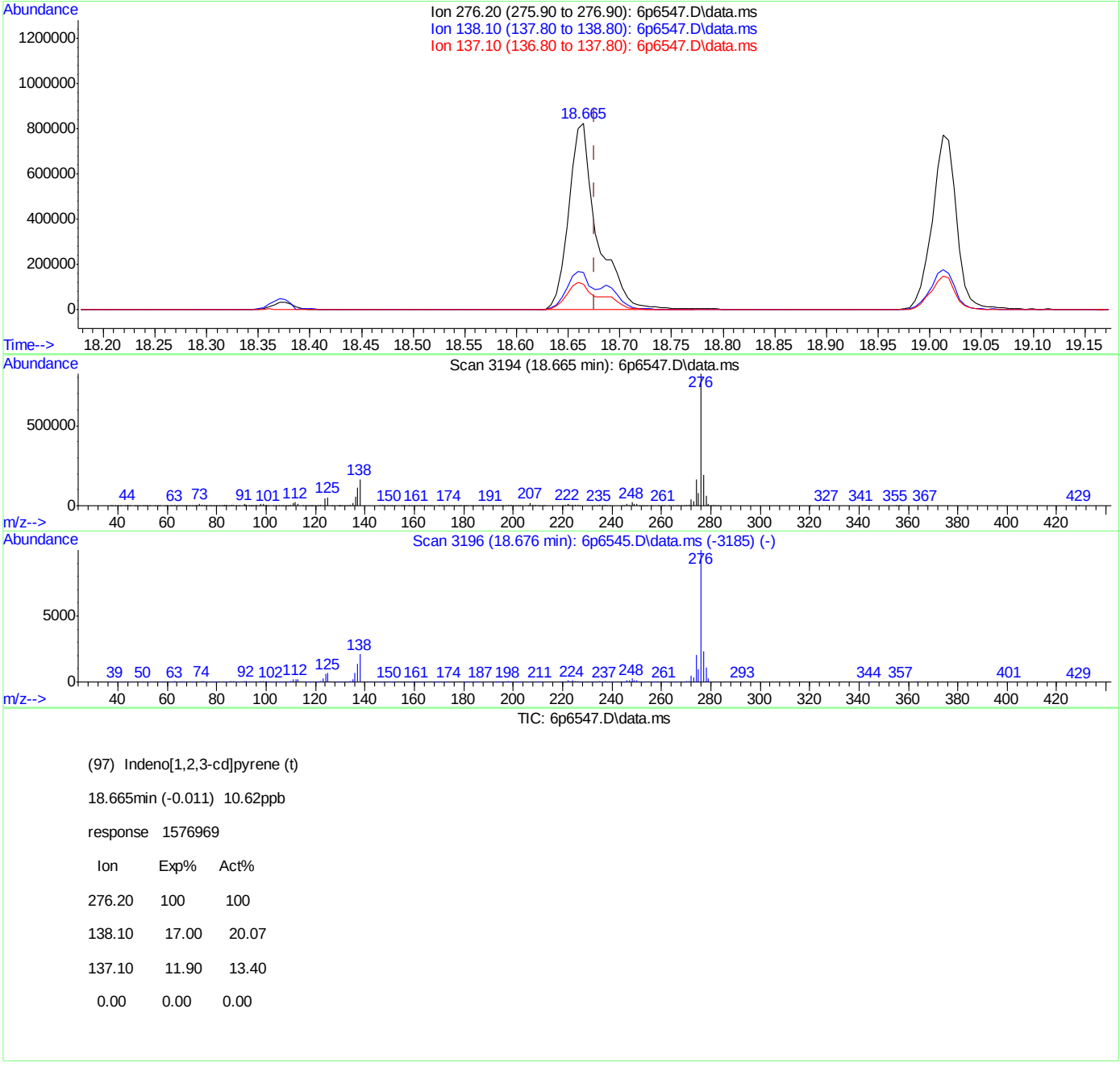
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	68.36#
77.10	34.70	85.71#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:40:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration



TIC: 6p6547.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.665min (-0.011) 10.62ppb

response 1576969

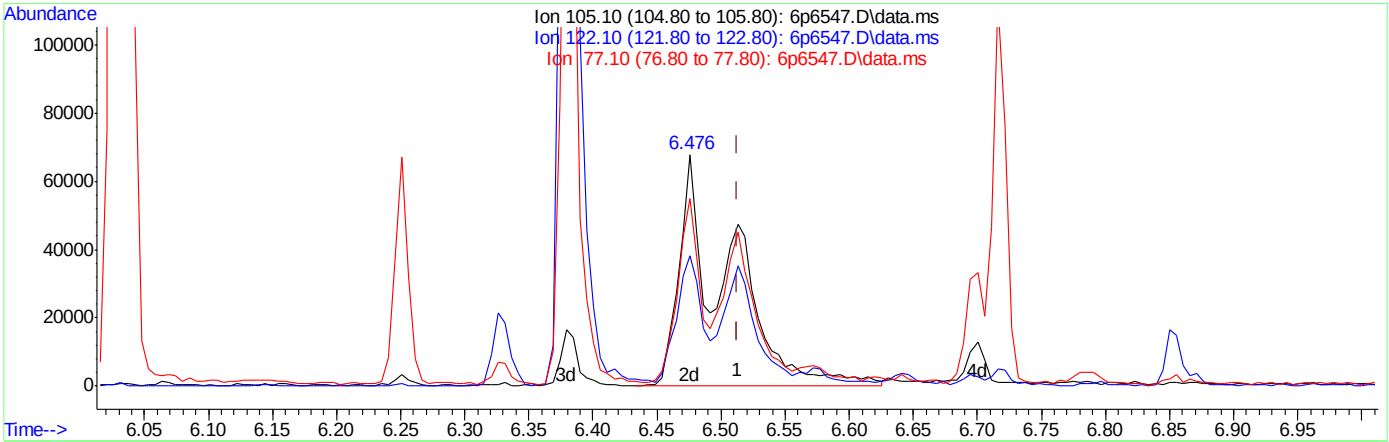
Ion	Exp%	Act%
276.20	100	100
138.10	17.00	20.07
137.10	11.90	13.40
0.00	0.00	0.00

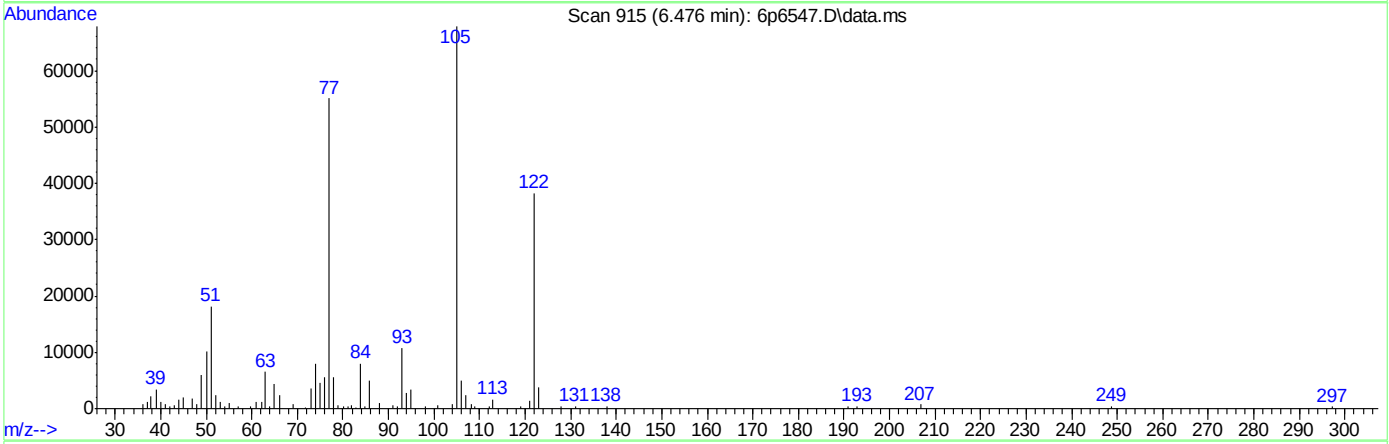
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:41:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration





TIC: 6p6547.D\data.ms

(31) Benzoic Acid

6.476min (-0.037) 4.71ppb m

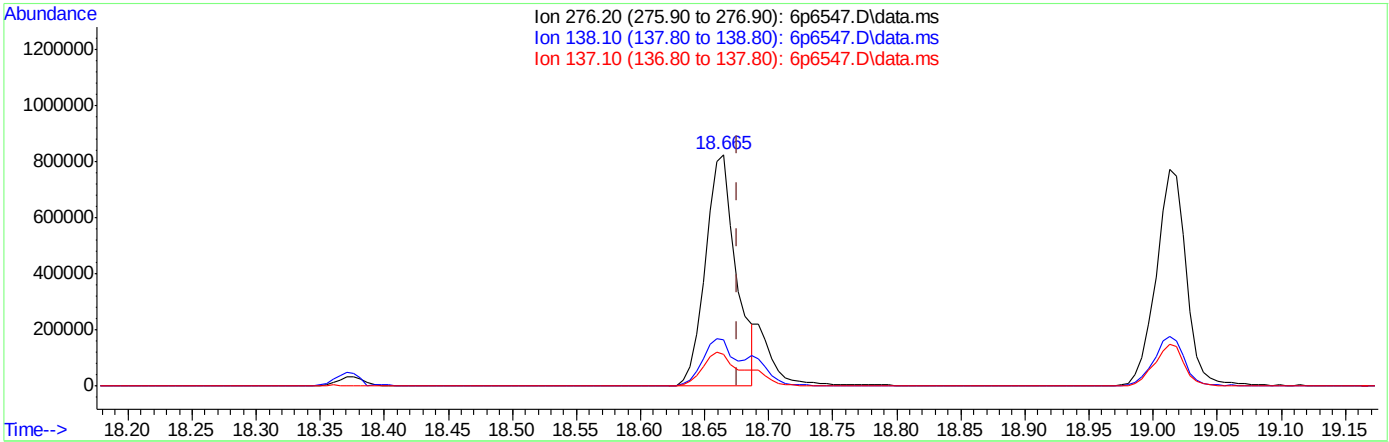
response 180857

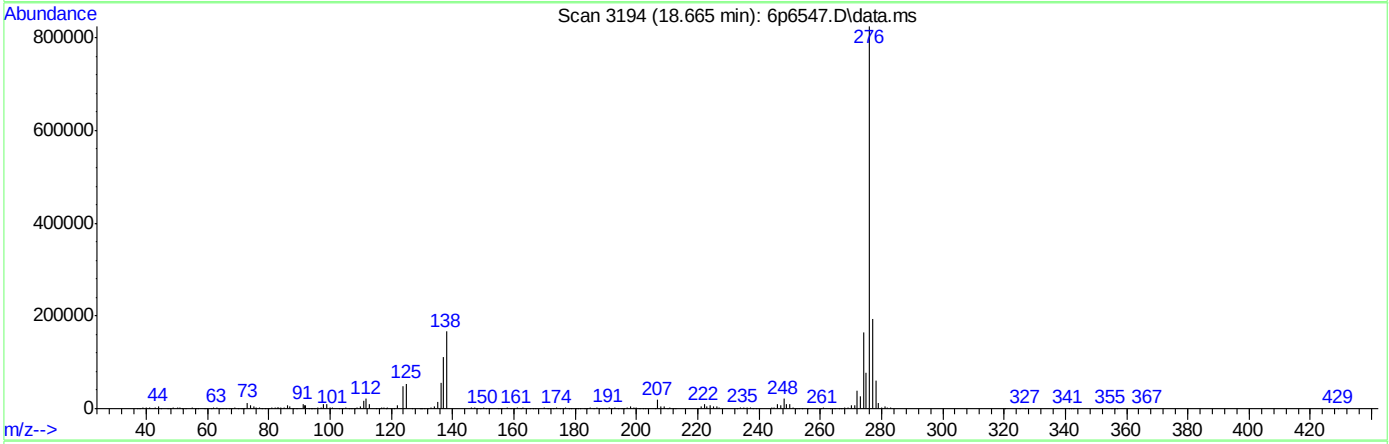
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	33.68
77.10	34.70	42.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6547.D
Acq On : 27 Apr 2014 3:15 pm
Operator : ashleyd
Sample : ic277-10
Misc : op73158,e6p277
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 09:41:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:38:56 2014
Response via : Initial Calibration





TIC: 6p6547.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.665min (-0.011) 9.24ppb m

response 1372261

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	20.21
137.10	11.90	13.54
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

6P6548.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:43:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.534	152	1094230	40.00	ppb	0.00
24) Naphthalene-d8	6.700	136	4349911	40.00	ppb	0.00
47) Acenaphthene-d10	8.808	164	2543599	40.00	ppb	0.00
69) Phenanthrene-d10	11.000	188	4217309	40.00	ppb	0.00
83) Chrysene-d12	15.221	240	4332893	40.00	ppb	0.00
92) Perylene-d12	17.349	264	3872260	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	5.534	152	1094230	40.00	ppb	0.00
104) Phenanthrene-d10a	11.000	188	4217309	40.00	ppb	0.00
107) Chrysene-d12a	15.221	240	4332893	40.00	ppb	0.00
110) Acenaphthene-d10a	8.808	164	2543599	40.00	ppb	0.00
112) Naphthalene-d8a	6.700	136	4349911	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.347	112	200139	5.00	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.00%	
8) Phenol-d5	5.256	99	298564	5.29	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.58%	
25) Nitrobenzene-d5	6.016	82	298747	5.18	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.36%	
51) 2-Fluorobiphenyl	7.920	172	389354	5.21	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.42%	
73) 2,4,6-Tribromophenol	9.947	330	55209	4.92	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.84%	
86) Terphenyl-d14	13.573	244	440161	5.20	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.40%	
106) 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	2.116	88	81030	4.06	ppb	91
3) Pyridine	2.523	79	237205	4.60	ppb	96
4) N-Nitrosodimethylamine	2.475	74	146021	4.95	ppb	100
6) Indene	5.753	116	357993	4.78	ppb	97
7) Cumene	4.823	105	560258	4.73	ppb	97
9) Phenol	5.267	94	334155	5.08	ppb	92
10) Aniline	5.256	93	383686	5.38	ppb	95
11) bis(2-Chloroethyl)ether	5.320	93	234297	5.11	ppb	99
12) 2-Chlorophenol	5.358	128	192435	5.08	ppb	99
13) Decane	5.416	43	142915	5.16	ppb	98
14) 1,3-Dichlorobenzene	5.481	146	201956	5.10	ppb	98
15) 1,4-Dichlorobenzene	5.545	146	198457	4.93	ppb	100
16) Benzyl alcohol	5.663	108	141963	5.10	ppb	98
17) 1,2-Dichlorobenzene	5.679	146	194318	5.21	ppb	99
18) Acetophenone	5.882	105	338677	4.82	ppb	94
19) 2-Methylphenol	5.775	108	193816	4.98	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.780	121	66731	5.04	ppb	99
21) 3&4-Methylphenol	5.909	108	210686	5.02	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:43:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.887	70	197037	5.39	ppb		97
23) Hexachloroethane	5.973	201	66905	5.03	ppb		97
26) Nitrobenzene	6.032	77	303698	5.10	ppb		96
27) Quinoline	7.069	129	375591	4.82	ppb		99
28) Isophorone	6.251	82	504031	5.13	ppb		99
29) 2-Nitrophenol	6.331	139	97087	5.06	ppb		87
30) 2,4-Dimethylphenol	6.385	107	179485	4.11	ppb		98
31) Benzoic Acid	6.486	105	40840m	1.60	ppb		
32) bis(2-Chloroethoxy)met...	6.459	93	280498	5.21	ppb		98
33) 2,4-Dichlorophenol	6.566	162	135195	4.84	ppb		95
34) 2,6-Dichlorophenol	6.791	162	142607	5.10	ppb		99
35) 1,3,5-Trichlorobenzene	6.342	180	172785	4.99	ppb		99
36) 1,2,4-Trichlorobenzene	6.647	180	160813	5.07	ppb		96
37) 1,2,3-Trichlorobenzene	6.871	180	163682	4.98	ppb		96
38) Naphthalene	6.716	128	558301	5.03	ppb		99
39) 4-Chloroaniline	6.780	127	239220	5.12	ppb		99
40) 2,3-Dichloroaniline	7.813	161	188910	4.93	ppb		99
41) Caprolactam	7.128	55	70859	4.58	ppb		95
42) Hexachlorobutadiene	6.855	225	90829	5.08	ppb		97
43) 4-Chloro-3-methylphenol	7.321	107	207468	4.94	ppb		97
44) 2-Methylnaphthalene	7.470	141	315538	5.03	ppb		99
45) 1-Methylnaphthalene	7.588	141	309653	4.75	ppb		98
46) Dimethylnaphthalene	8.246	156	334157	4.75	ppb		96
48) Hexachlorocyclopentadiene	7.668	237	151604	8.56	ppb		95
49) 2,4,6-Trichlorophenol	7.823	196	95618	4.71	ppb		93
50) 2,4,5-Trichlorophenol	7.872	196	103795	4.91	ppb		98
52) 2-Chloronaphthalene	8.064	162	346398	5.18	ppb		99
53) Biphenyl	8.043	154	455108	4.85	ppb		96
54) 2-Nitroaniline	8.203	65	153935	5.15	ppb		95
55) Dimethylphthalate	8.455	163	390325	5.19	ppb		99
56) Acenaphthylene	8.604	152	555278	5.07	ppb		98
57) 2,6-Dinitrotoluene	8.529	165	88119	5.06	ppb		97
58) 3-Nitroaniline	8.759	138	98986	5.01	ppb		91
59) Acenaphthene	8.850	153	351239	5.09	ppb		98
60) 2,4-Dinitrophenol	8.915	184	53316	5.36	ppb		89
61) 4-Nitrophenol	9.059	109	66739	4.10	ppb	#	79
62) Dibenzofuran	9.091	168	484805	5.13	ppb		99
63) 2,4-Dinitrotoluene	9.096	165	125182	5.24	ppb		86
64) 2,3,4,6-Tetrachlorophenol	9.289	232	81981	4.82	ppb		97
65) Diethylphthalate	9.465	149	410224	5.12	ppb		98
66) Fluorene	9.583	166	403267	5.15	ppb		98
67) 4-Chlorophenyl-phenyle...	9.604	204	178241	5.24	ppb		97
68) 4-Nitroaniline	9.631	138	97083	5.04	ppb		93
70) 4,6-Dinitro-2-methylph...	9.690	198	51675	3.67	ppb		97
71) n-Nitrosodiphenylamine	9.786	169	267293	5.08	ppb		97
72) 1,2-Diphenylhydrazine	9.840	77	636634	5.27	ppb		98
74) 4-Bromophenyl-phenylether	10.337	248	102399	5.14	ppb		94
75) Hexachlorobenzene	10.417	284	123142	5.16	ppb		95
76) Pentachlorophenol	10.738	266	99174	8.70	ppb		97
77) Phenanthrene	11.033	178	573919	5.07	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:43:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.113	178	585710	5.15	ppb	99
79) Carbazole	11.386	167	557296	4.93	ppb	100
80) Di-n-butylphthalate	12.017	149	687061	5.11	ppb	99
81) Fluoranthene	12.910	202	608279	5.05	ppb	98
82) Octadecane	10.952	57	265681	4.95	ppb	99
84) Pyrene	13.258	202	645723	5.04	ppb	98
85) Butyl stearate	14.584	56	160825	5.11	ppb	96
87) Butylbenzylphthalate	14.413	149	305988	4.93	ppb	98
88) Benzo[a]anthracene	15.199	228	585982	5.05	ppb	99
89) 3,3'-Dichlorobenzidine	15.204	252	198562	4.92	ppb	98
90) Chrysene	15.253	228	532819	4.97	ppb	97
91) bis(2-Ethylhexyl)phtha...	15.386	149	416299	4.95	ppb	97
93) Di-n-octylphthalate	16.371	149	715148	5.06	ppb	98
94) Benzo[b]fluoranthene	16.814	252	581057	4.95	ppb	95
95) Benzo[k]fluoranthene	16.852	252	573850	5.39	ppb	98
96) Benzo[a]pyrene	17.258	252	510557	5.07	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.665	276	496508m	4.55	ppb	
98) Dibenz(a,h)acridine	18.382	279	443848	4.80	ppb	97
99) Dibenz[a,h]anthracene	18.697	278	513360	5.19	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.814	256	182058	3.58	ppb	97
101) Benzo[g,h,i]perylene	19.018	276	510381	5.20	ppb	97

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

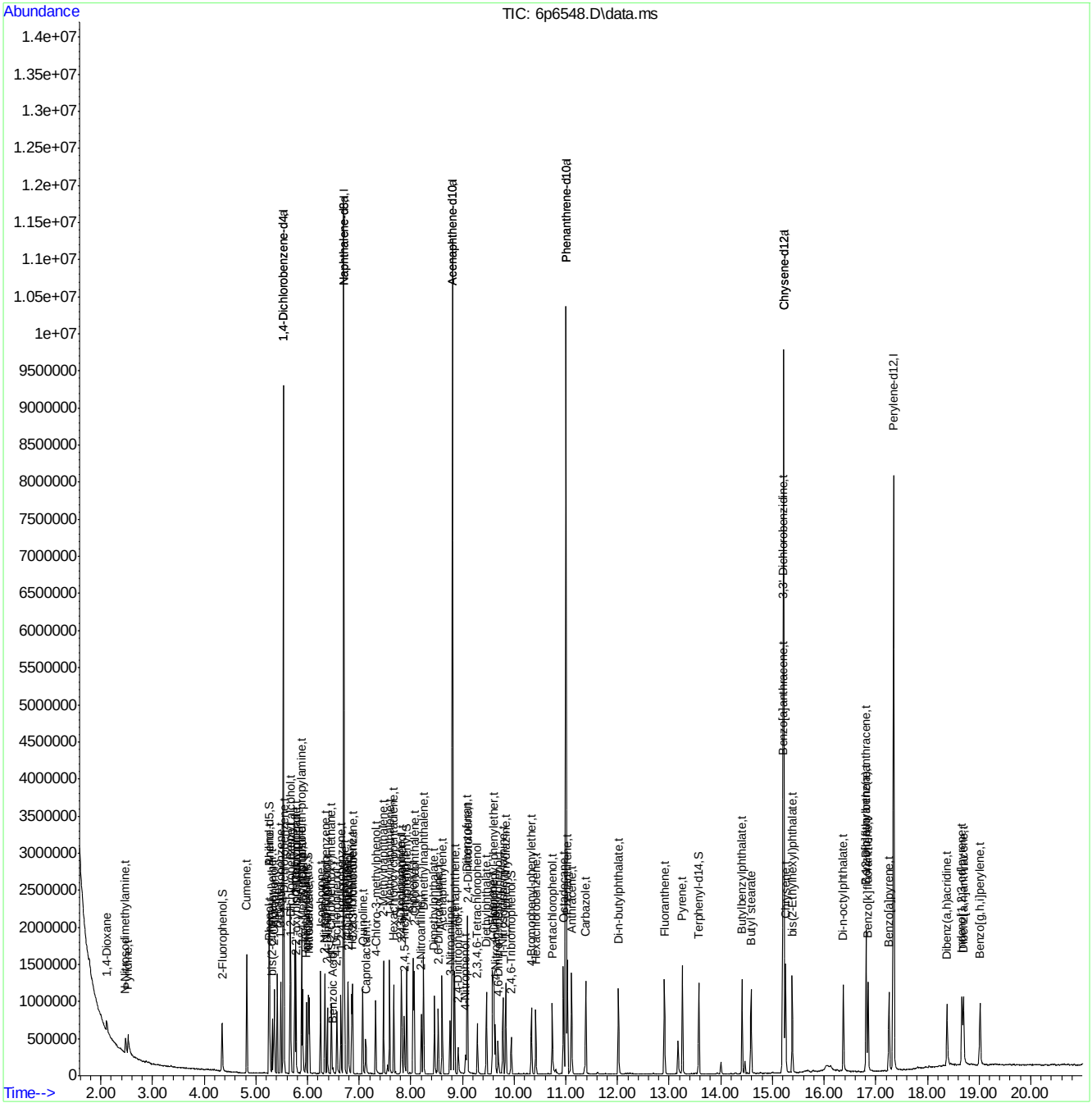
9.6.40

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:43:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration



Manual Integration Approval Summary

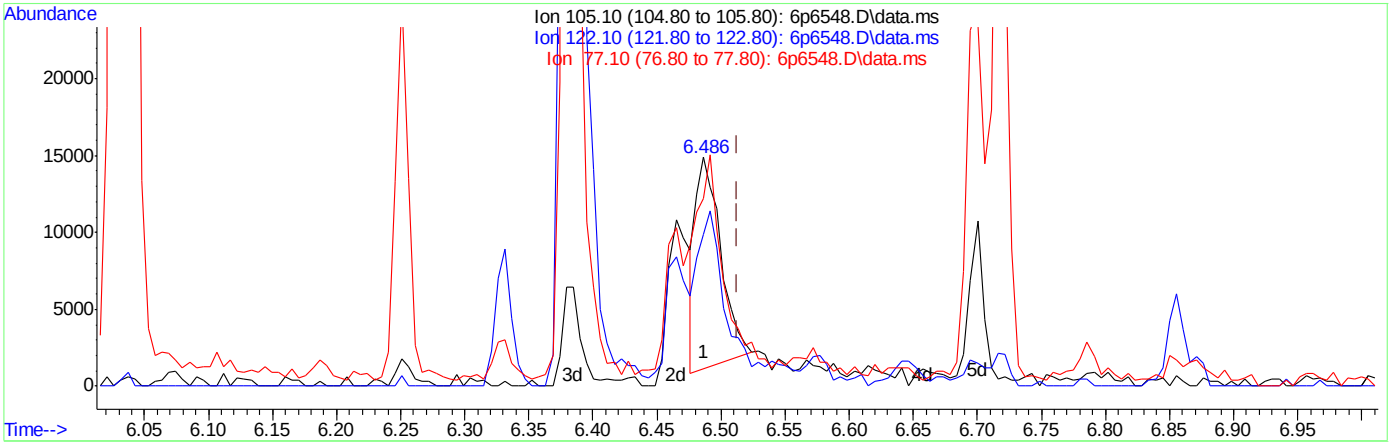
Sample Number: E6P277-IC277
Lab FileID: 6P6548.D
Injection Time: 04/27/14 15:43
Method: SW846 8270D
Analyst approved: 04/28/14 13:35 Emily Pisarski
Supervisor approved: 04/28/14 15:39 Nina Pandya

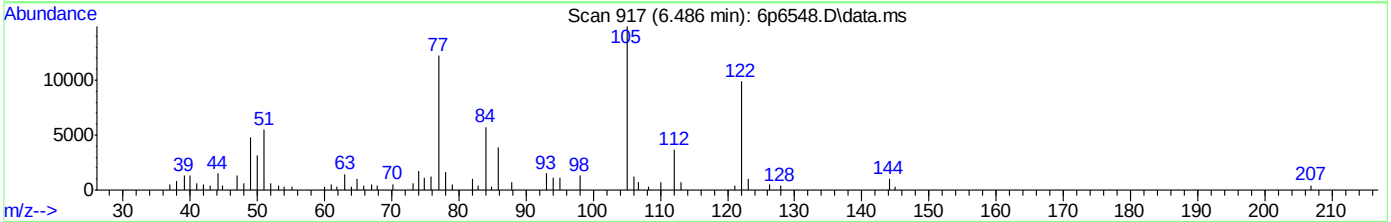
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.49	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.67	Poor instrument integration

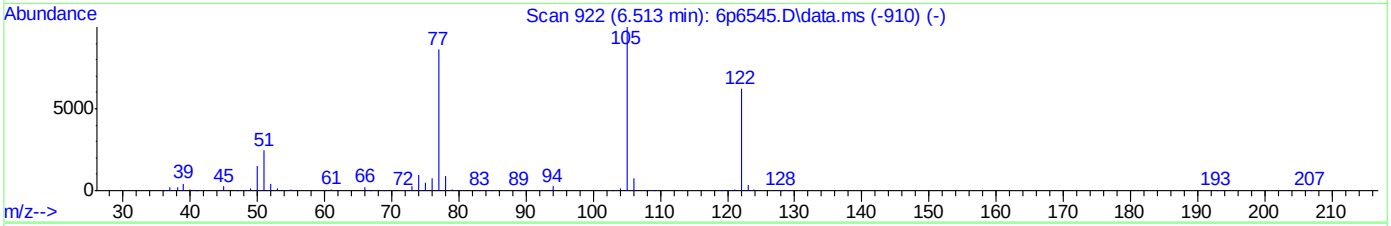
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration







TIC: 6p6548.D\data.ms

(31) Benzoic Acid

6.486min (-0.027) 0.74ppb

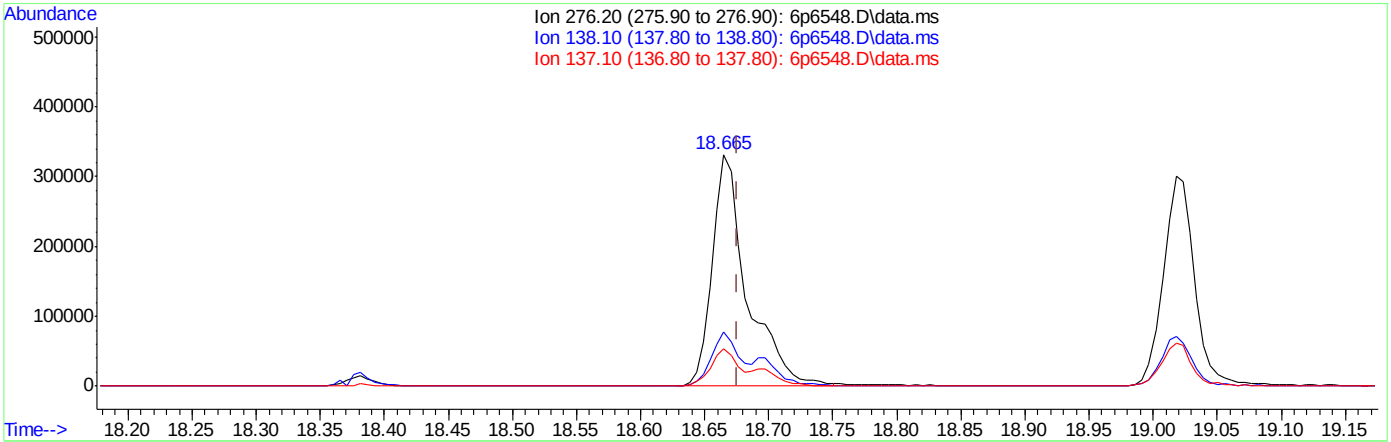
response 18848

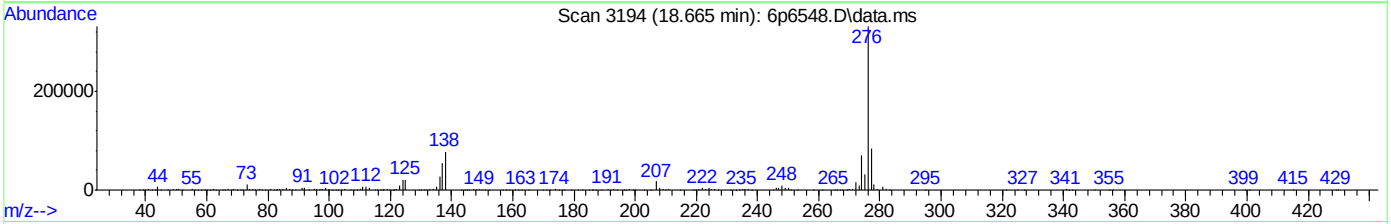
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	74.62#
77.10	34.70	118.07#
0.00	0.00	0.00

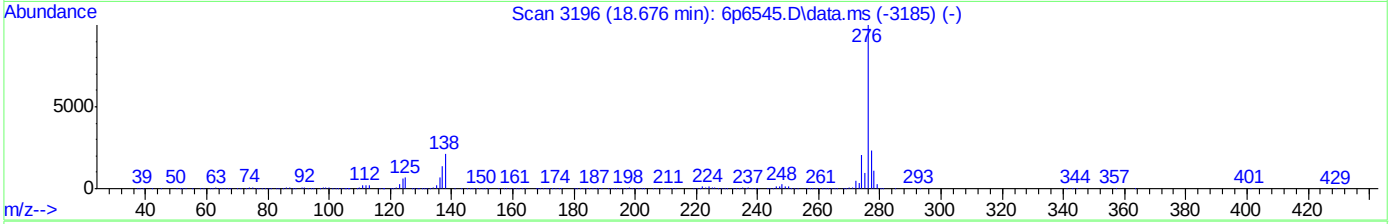
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:42:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration







TIC: 6p6548.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.665min (-0.011) 5.69ppb

response 620539

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	23.39
137.10	11.90	16.01
0.00	0.00	0.00

9.6.40.3

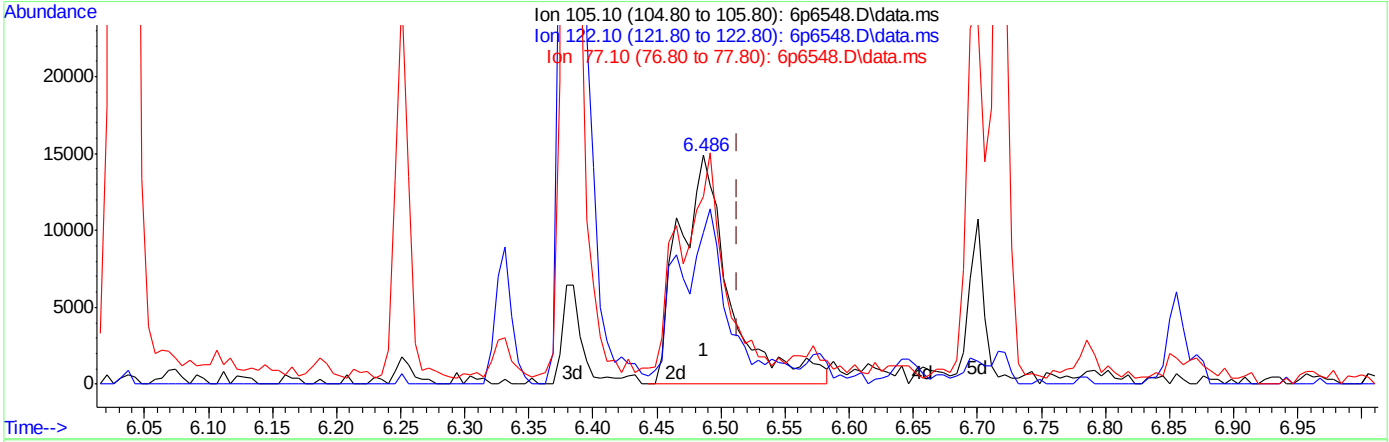
9

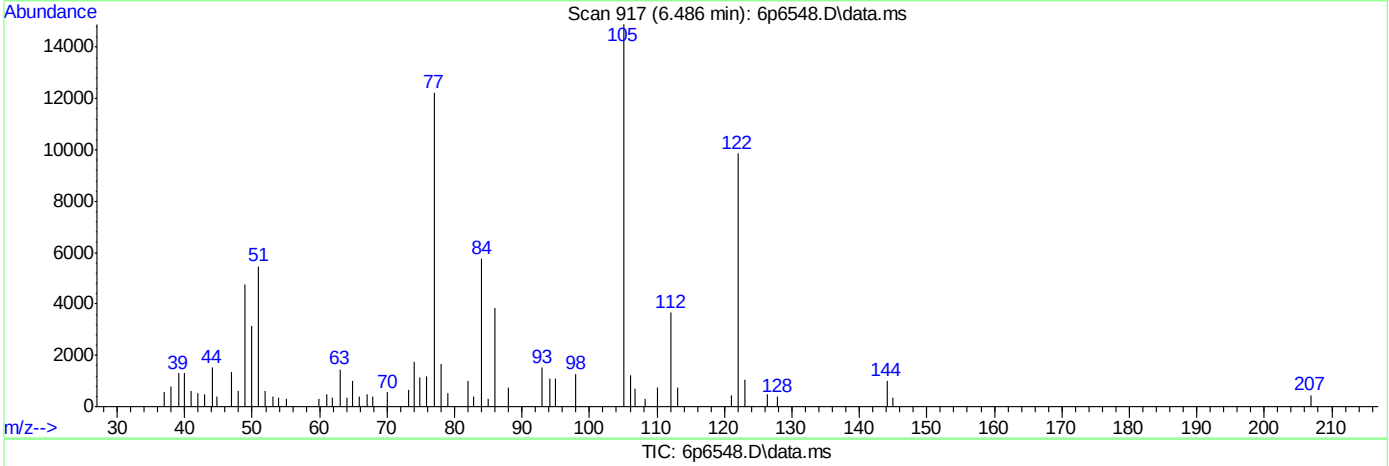
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:43:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration





TIC: 6p6548.D\data.ms

(31) Benzoic Acid

6.486min (-0.027) 1.60ppb m

response 40840

Ion	Exp%	Act%
105.10	100	100
122.10	25.10	34.44
77.10	34.70	54.49
0.00	0.00	0.00

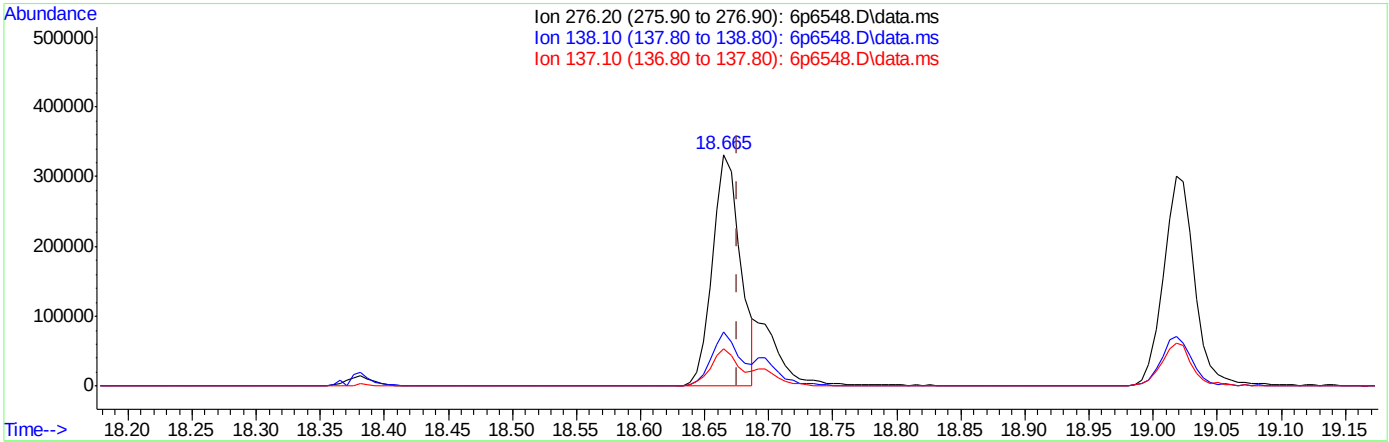
9.6.40.4

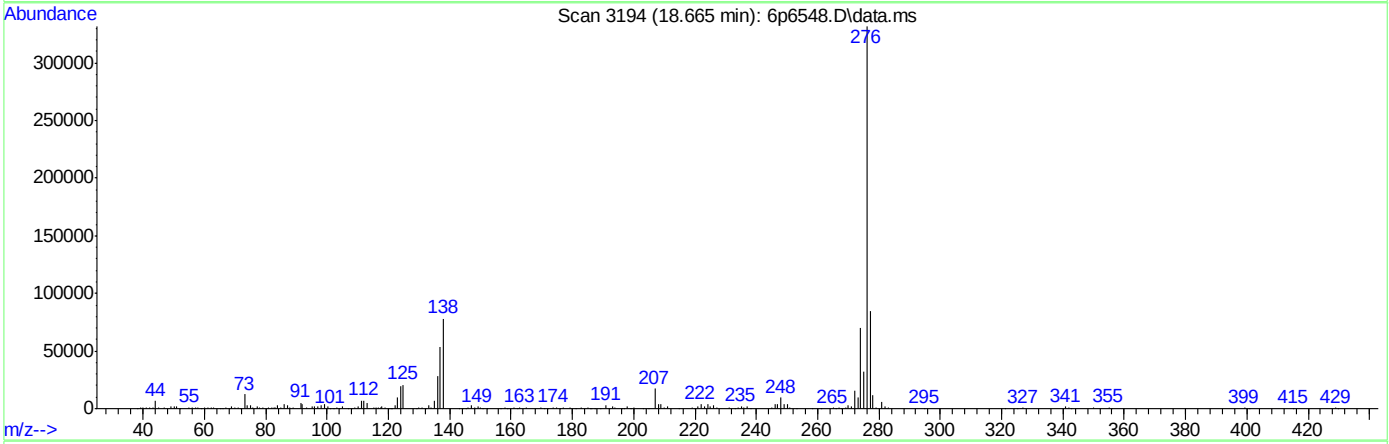
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6548.D
Acq On : 27 Apr 2014 3:43 pm
Operator : ashleyd
Sample : ic277-5
Misc : op73158,e6p277
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 09:43:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:41:39 2014
Response via : Initial Calibration





TIC: 6p6548.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.665min (-0.011) 4.55ppb m

response 496508

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	23.47
137.10	11.90	16.12
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6549.D
Acq On : 27 Apr 2014 4:11 pm
Operator : ashleyd
Sample : ic277-2
Misc : op73158,e6p277
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 10:29:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.529	152	912502	40.00	ppb	0.00
24) Naphthalene-d8	6.695	136	3600769	40.00	ppb	0.00
47) Acenaphthene-d10	8.802	164	2068296	40.00	ppb	0.00
69) Phenanthrene-d10	10.995	188	3482357	40.00	ppb	0.00
83) Chrysene-d12	15.210	240	3544559	40.00	ppb	0.00
92) Perylene-d12	17.339	264	3179054	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	912502	40.00	ppb	0.00
104) Phenanthrene-d10a	10.995	188	3482357	40.00	ppb	0.00
107) Chrysene-d12a	15.210	240	3544559	40.00	ppb	0.00
110) Acenaphthene-d10a	8.802	164	2068296	40.00	ppb	0.00
112) Naphthalene-d8a	6.695	136	3600769	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.347	112	58952	1.90	ppb	0.00
Spiked Amount 50.000			Recovery =	3.80%		
8) Phenol-d5	5.256	99	87355	1.96	ppb	0.00
Spiked Amount 50.000			Recovery =	3.92%		
25) Nitrobenzene-d5	6.015	82	88672	1.96	ppb	0.00
Spiked Amount 50.000			Recovery =	3.92%		
51) 2-Fluorobiphenyl	7.920	172	116882	1.98	ppb	0.00
Spiked Amount 50.000			Recovery =	3.96%		
73) 2,4,6-Tribromophenol	9.941	330	14764	1.64	ppb	0.00
Spiked Amount 50.000			Recovery =	3.28%		
86) Terphenyl-d14	13.568	244	127060	1.91	ppb	0.00
Spiked Amount 50.000			Recovery =	3.82%		
106) 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	2.111	88	26333	1.67	ppb	96
3) Pyridine	2.539	79	66636	1.62	ppb	94
4) N-Nitrosodimethylamine	2.480	74	44084	1.89	ppb	99
6) Indene	5.753	116	108832	1.87	ppb	99
7) Cumene	4.823	105	178601	1.92	ppb	99
9) Phenol	5.267	94	99406	1.93	ppb	91
10) Aniline	5.256	93	117352	2.03	ppb	96
11) bis(2-Chloroethyl)ether	5.315	93	72295	1.95	ppb	95
12) 2-Chlorophenol	5.358	128	54732	1.85	ppb	93
13) Decane	5.411	43	42730	1.90	ppb	92
14) 1,3-Dichlorobenzene	5.481	146	65060	2.05	ppb	96
15) 1,4-Dichlorobenzene	5.545	146	62739	1.94	ppb	96
16) Benzyl alcohol	5.662	108	40309	1.84	ppb	94
17) 1,2-Dichlorobenzene	5.673	146	58433	1.93	ppb	95
18) Acetophenone	5.882	105	100507	1.84	ppb	83
19) 2-Methylphenol	5.775	108	55162	1.82	ppb	97
20) 2,2'-oxybis(1-Chloropr...	5.775	121	19926	1.86	ppb	96
21) 3&4-Methylphenol	5.909	108	57005	1.77	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6549.D
Acq On : 27 Apr 2014 4:11 pm
Operator : ashleyd
Sample : ic277-2
Misc : op73158,e6p277
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 10:29:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.887	70	60238	2.02	ppb		95
23) Hexachloroethane	5.973	201	23434	2.20	ppb		86
26) Nitrobenzene	6.032	77	89957	1.90	ppb		99
27) Quinoline	7.064	129	110261	1.85	ppb		93
28) Isophorone	6.251	82	152634	1.96	ppb		99
29) 2-Nitrophenol	6.326	139	26979	1.79	ppb		86
30) 2,4-Dimethylphenol	6.379	107	44225	1.20	ppb		92
32) bis(2-Chloroethoxy)met...	6.459	93	86562	2.02	ppb		100
33) 2,4-Dichlorophenol	6.572	162	37104	1.71	ppb		82
34) 2,6-Dichlorophenol	6.791	162	40146	1.82	ppb		97
35) 1,3,5-Trichlorobenzene	6.336	180	52484	1.91	ppb		98
36) 1,2,4-Trichlorobenzene	6.641	180	48505	1.92	ppb		93
37) 1,2,3-Trichlorobenzene	6.871	180	49908	1.92	ppb		88
38) Naphthalene	6.716	128	173438	1.95	ppb		98
39) 4-Chloroaniline	6.775	127	71600	1.99	ppb		95
40) 2,3-Dichloroaniline	7.813	161	55218	1.86	ppb		96
41) Caprolactam	7.112	55	21157	1.64	ppb		91
42) Hexachlorobutadiene	6.855	225	27802	1.94	ppb		97
43) 4-Chloro-3-methylphenol	7.315	107	60463	1.89	ppb		87
44) 2-Methylnaphthalene	7.470	141	93358	1.91	ppb		98
45) 1-Methylnaphthalene	7.583	141	93005	1.85	ppb		99
46) Dimethylnaphthalene	8.241	156	100870	1.85	ppb		99
48) Hexachlorocyclopentadiene	7.668	237	33981	2.22	ppb		93
49) 2,4,6-Trichlorophenol	7.823	196	27782	1.80	ppb		99
50) 2,4,5-Trichlorophenol	7.877	196	30497	1.86	ppb		91
52) 2-Chloronaphthalene	8.059	162	104838	2.02	ppb		99
53) Biphenyl	8.043	154	136307	1.91	ppb		98
54) 2-Nitroaniline	8.203	65	41911	1.85	ppb		91
55) Dimethylphthalate	8.449	163	113611	1.94	ppb		99
56) Acenaphthylene	8.604	152	167014	1.96	ppb		98
57) 2,6-Dinitrotoluene	8.524	165	24926	1.88	ppb		97
58) 3-Nitroaniline	8.754	138	28005	1.86	ppb		82
59) Acenaphthene	8.845	153	106256	1.97	ppb		97
61) 4-Nitrophenol	9.070	109	14920	1.16	ppb	#	69
62) Dibenzofuran	9.086	168	145148	1.95	ppb		97
63) 2,4-Dinitrotoluene	9.091	165	33906	1.83	ppb		95
64) 2,3,4,6-Tetrachlorophenol	9.289	232	20856	1.48	ppb		91
65) Diethylphthalate	9.460	149	117601	1.88	ppb		96
66) Fluorene	9.583	166	116596	1.92	ppb		99
67) 4-Chlorophenyl-phenyle...	9.599	204	54690	2.04	ppb		96
68) 4-Nitroaniline	9.631	138	27148	1.76	ppb		96
70) 4,6-Dinitro-2-methylph...	9.690	198	9149	0.82	ppb		73
71) n-Nitrosodiphenylamine	9.781	169	78662	1.92	ppb		95
72) 1,2-Diphenylhydrazine	9.834	77	186254	1.92	ppb		98
74) 4-Bromophenyl-phenylether	10.332	248	29951	1.91	ppb		93
75) Hexachlorobenzene	10.417	284	39350	2.06	ppb		97
76) Pentachlorophenol	10.738	266	19739	1.85	ppb		97
77) Phenanthrene	11.027	178	182072	1.93	ppb		98
78) Anthracene	11.102	178	175212	1.92	ppb		97
79) Carbazole	11.380	167	162864	1.88	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6549.D
Acq On : 27 Apr 2014 4:11 pm
Operator : ashleyd
Sample : ic277-2
Misc : op73158,e6p277
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 10:29:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	12.011	149	194600	1.87	ppb	99
81) Fluoranthene	12.899	202	181876	1.90	ppb	98
82) Octadecane	10.947	57	78367	1.88	ppb	95
84) Pyrene	13.252	202	195185	1.94	ppb	99
85) Butyl stearate	14.579	56	41727	1.66	ppb	96
87) Butylbenzylphthalate	14.402	149	81514	1.76	ppb	90
88) Benzo[a]anthracene	15.194	228	177814	1.83	ppb	97
89) 3,3'-Dichlorobenzidine	15.199	252	51620	1.68	ppb	93
90) Chrysene	15.242	228	161115	1.91	ppb	96
91) bis(2-Ethylhexyl)phtha...	15.376	149	109406	1.71	ppb	99
93) Di-n-octylphthalate	16.365	149	188063	1.66	ppb	99
94) Benzo[b]fluoranthene	16.804	252	172131	1.92	ppb	95
95) Benzo[k]fluoranthene	16.841	252	161573	1.96	ppb	92
96) Benzo[a]pyrene	17.248	252	145663	1.91	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.654	276	147905m	1.85	ppb	
98) Dibenz(a,h)acridine	18.371	279	132828	1.91	ppb	100
99) Dibenz[a,h]anthracene	18.686	278	147530	1.91	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.804	256	43321	3.68	ppb	96
101) Benzo[g,h,i]perylene	19.007	276	153877	1.98	ppb	98

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

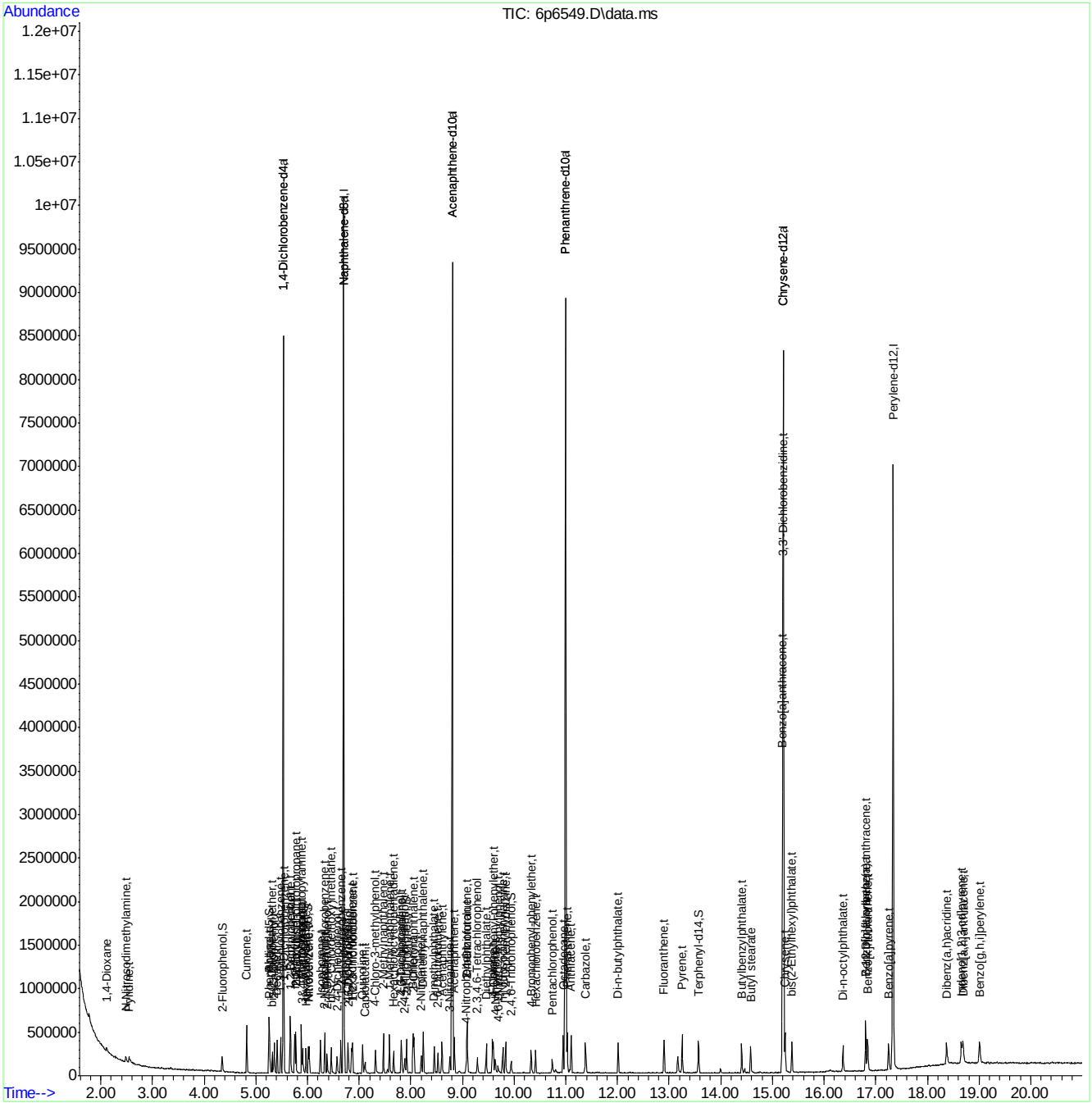
9.6.41

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6549.D
Acq On : 27 Apr 2014 4:11 pm
Operator : ashleyd
Sample : ic277-2
Misc : op73158,e6p277
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 10:29:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 10:28:35 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

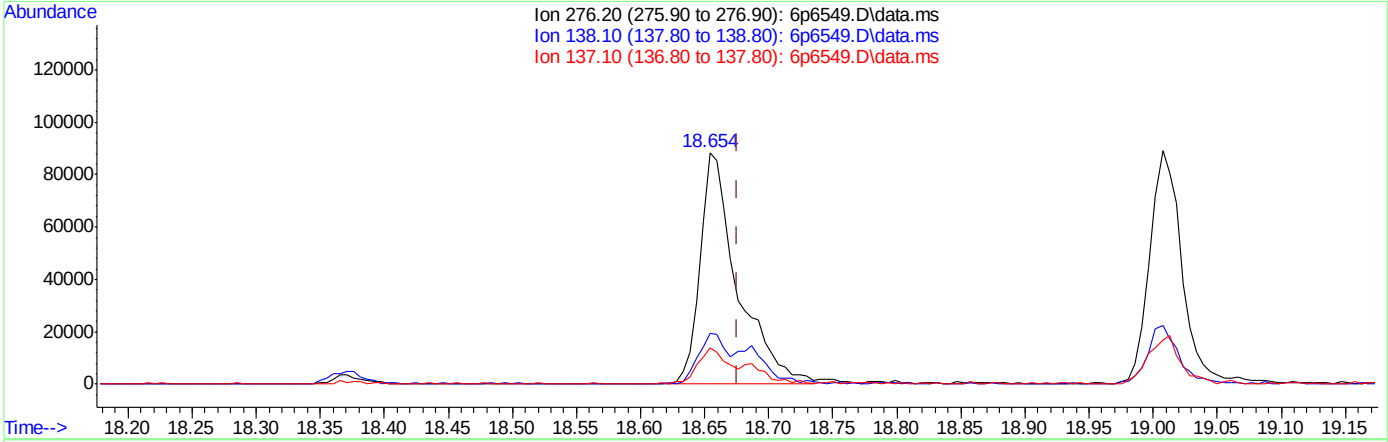
Sample Number:	E6P277-IC277	**Method:**	SW846 8270D
Lab FileID:	6P6549.D	**Analyst approved:**	04/28/14 13:35 Emily Pisarski
Injection Time:	04/27/14 16:11	**Supervisor approved:**	04/28/14 15:39 Nina Pandya

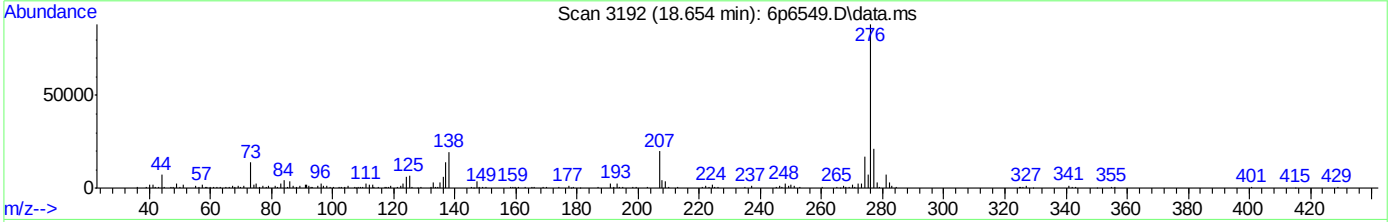
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.65	Poor instrument integration

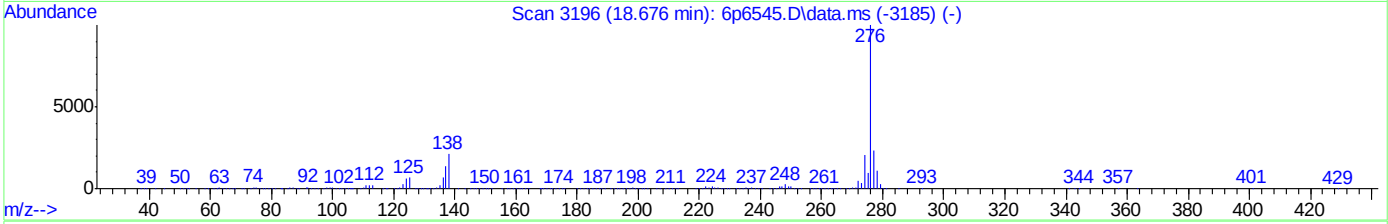
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6549.D
Acq On : 27 Apr 2014 4:11 pm
Operator : ashleyd
Sample : ic277-2
Misc : op73158,e6p277
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 09:44:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 09:44:04 2014
Response via : Initial Calibration







TIC: 6p6549.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.654min (-0.021) 2.05ppb

response 181176

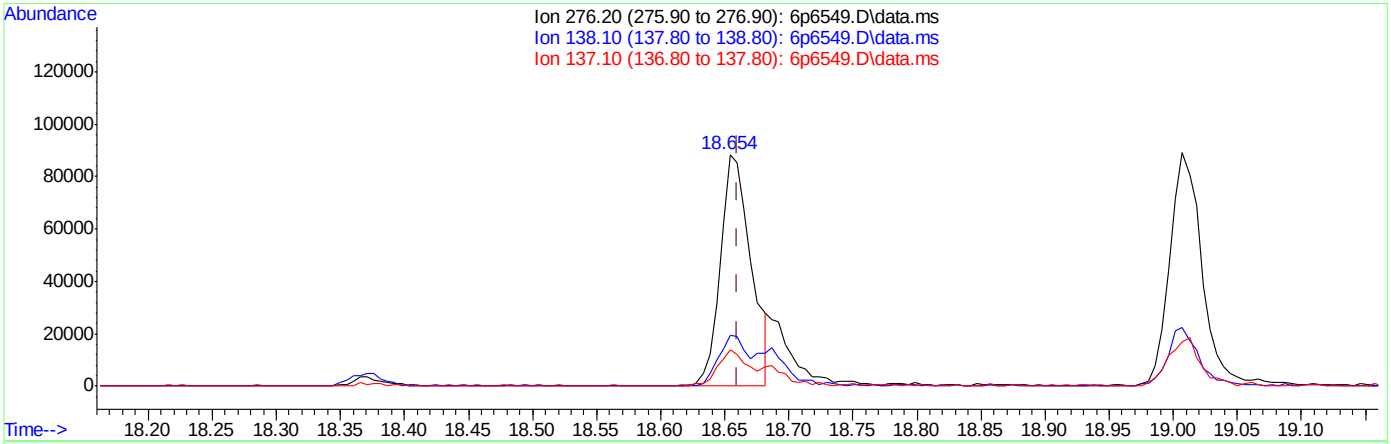
Ion	Exp%	Act%
276.20	100	100
138.10	17.00	21.01
137.10	11.90	15.39
0.00	0.00	0.00

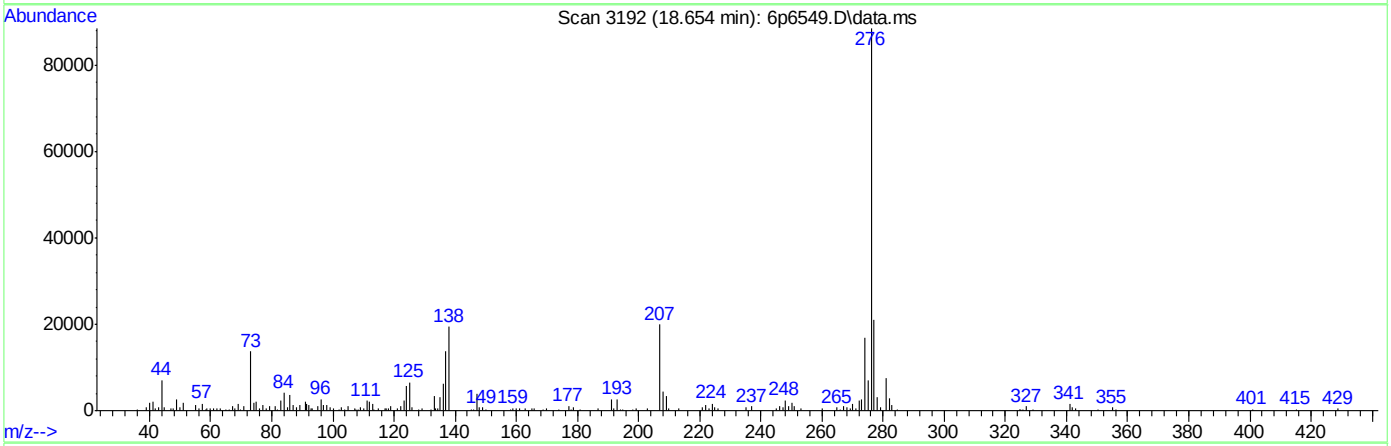
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p277\
Data File : 6p6549.D
Acq On : 27 Apr 2014 4:11 pm
Operator : ashleyd
Sample : ic277-2
Misc : op73158,e6p277
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 28 10:29:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 10:28:35 2014
Response via : Initial Calibration





TIC: 6p6549.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.654min (-0.006) 1.85ppb m

response 147905

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	21.96
137.10	11.90	15.48
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
04/28/14 15:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6553.D
Acq On : 28 Apr 2014 9:57 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 12:38:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.523	152	825866	40.00	ppb		0.00
24) Naphthalene-d8	6.689	136	3389165	40.00	ppb		0.00
47) Acenaphthene-d10	8.797	164	2060384	40.00	ppb		0.00
69) Phenanthrene-d10	10.990	188	3400984	40.00	ppb		0.00
83) Chrysene-d12	15.204	240	2931691	40.00	ppb		0.00
92) Perylene-d12	17.333	264	2535645	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	5.523	152	825866	40.00	ppb		0.00
104) Phenanthrene-d10a	10.990	188	3400984	40.00	ppb		0.00
107) Chrysene-d12a	15.204	240	2931691	40.00	ppb		0.00
110) Acenaphthene-d10a	8.797	164	2060384	40.00	ppb		0.00
112) Naphthalene-d8a	6.689	136	3389165	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	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%			
106) 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	5.261	94	2347042	47.74	ppb		100
12) 2-Chlorophenol	5.352	128	1452222	51.54	ppb		100
19) 2-Methylphenol	5.764	108	1550577	53.81	ppb		98
21) 3&4-Methylphenol	5.898	108	1592998	51.45	ppb		98
29) 2-Nitrophenol	6.320	139	730922	49.73	ppb		91
30) 2,4-Dimethylphenol	6.374	107	1787009	51.51	ppb		99
31) Benzoic Acid	6.513	105	628199m	35.59	ppb		
33) 2,4-Dichlorophenol	6.561	162	1075434	50.88	ppb		99
34) 2,6-Dichlorophenol	6.780	162	1073066	49.93	ppb		99
43) 4-Chloro-3-methylphenol	7.305	107	1558878	48.48	ppb		97
49) 2,4,6-Trichlorophenol	7.813	196	763172	47.70	ppb		97
50) 2,4,5-Trichlorophenol	7.861	196	797625	47.37	ppb		99
61) 4-Nitrophenol	9.032	109	540404	42.22	ppb	#	82
64) 2,3,4,6-Tetrachlorophenol	9.278	232	619346	44.25	ppb		98
70) 4,6-Dinitro-2-methylph...	9.679	198	441218	40.62	ppb		97
76) Pentachlorophenol	10.728	266	416789	40.07	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6553.D
Acq On : 28 Apr 2014 9:57 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 12:38:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration

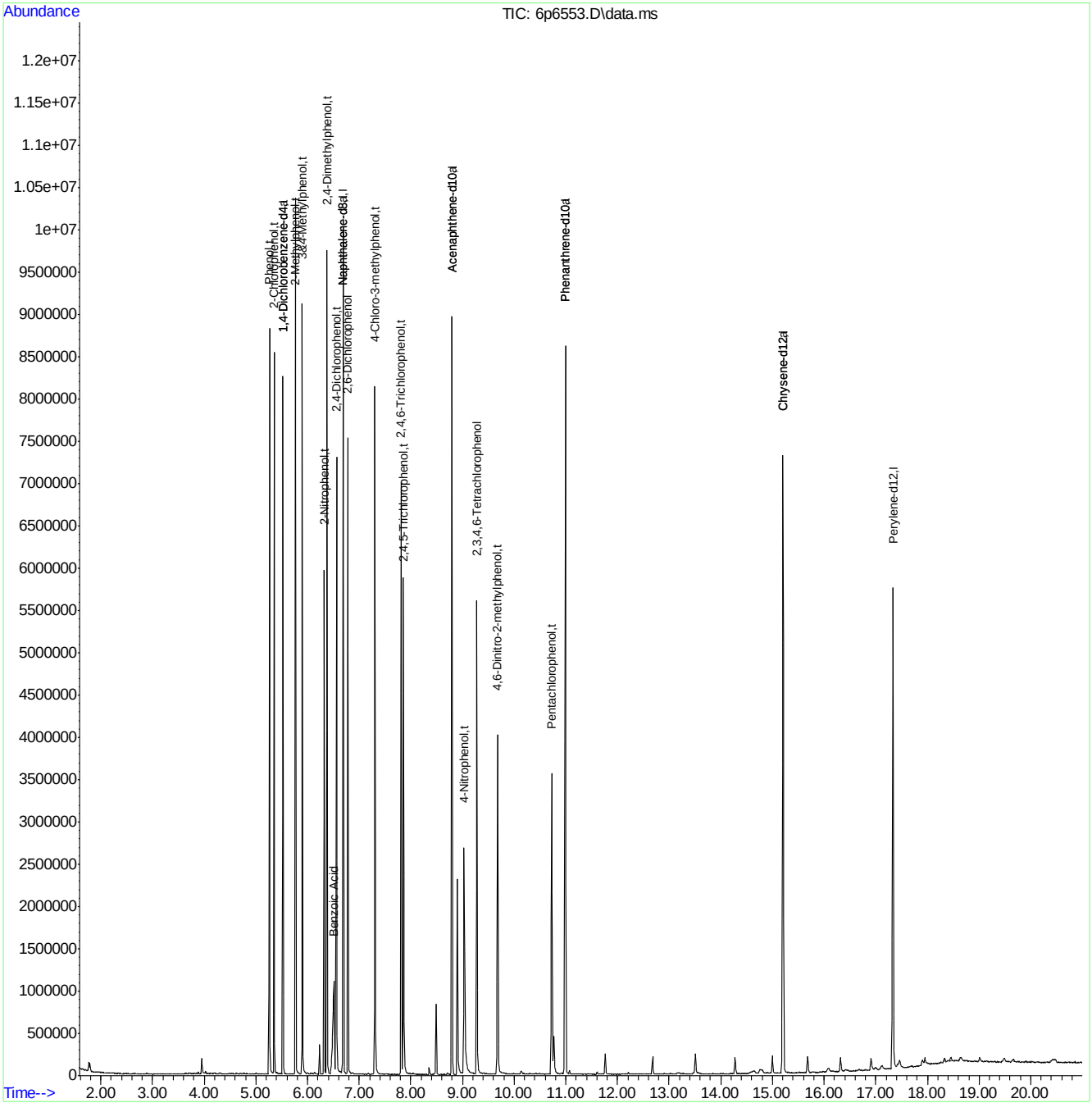
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6553.D
Acq On : 28 Apr 2014 9:57 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 12:38:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

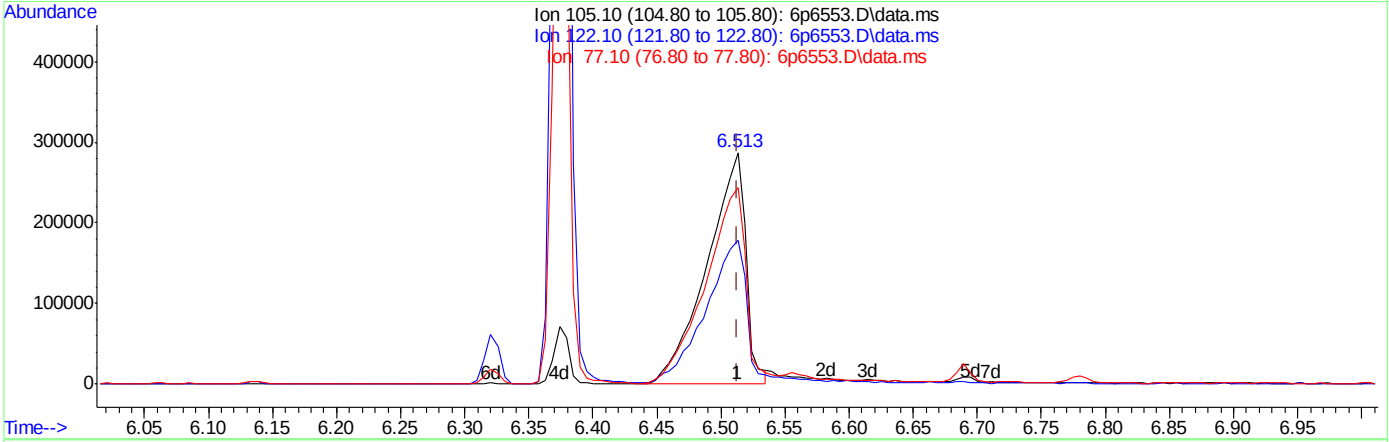
Sample Number:	E6P278-ICV277	**Method:**	SW846 8270D
Lab FileID:	6P6553.D	**Analyst approved:**	04/28/14 13:35 Emily Pisarski
Injection Time:	04/28/14 09:57	**Supervisor approved:**	04/28/14 15:44 Nina Pandya

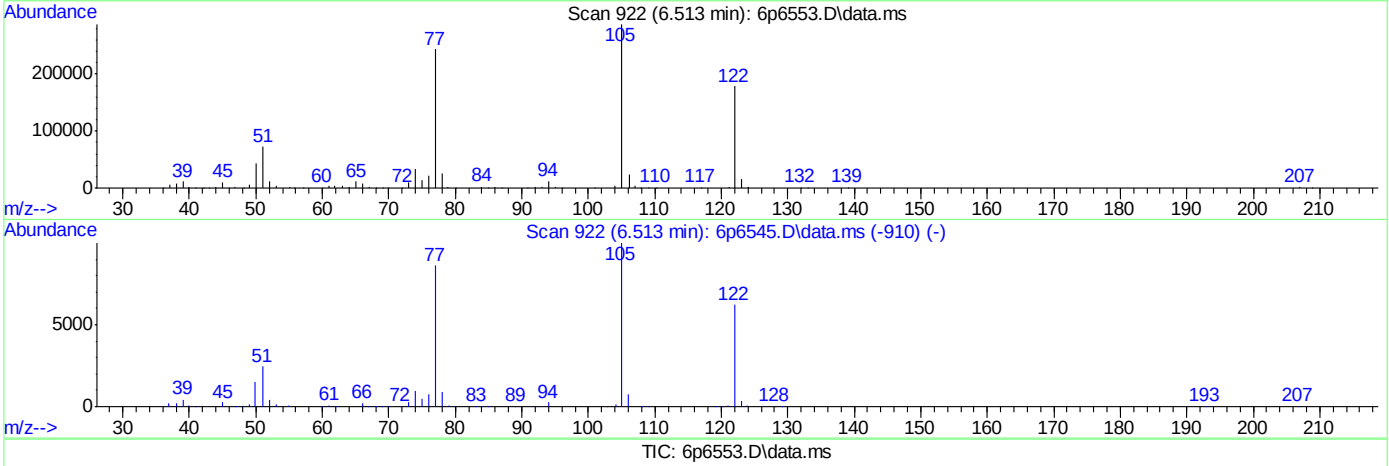
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		6.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6553.D
Acq On : 28 Apr 2014 9:57 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 12:16:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration





TIC: 6p6553.D\data.ms

(31) Benzoic Acid

6.513min (0.000) 33.99ppb

response 599903

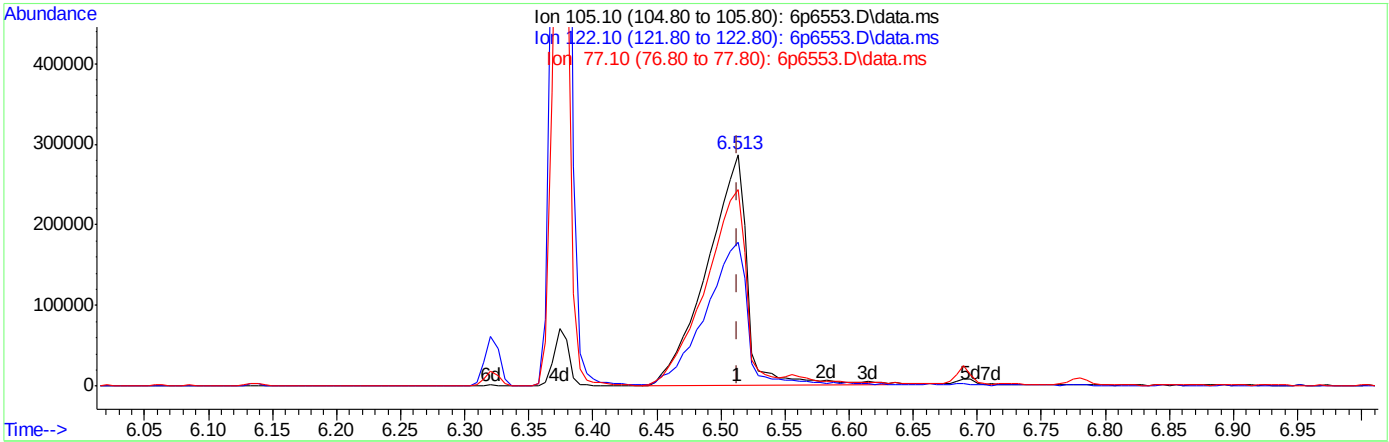
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	62.84#
77.10	34.70	86.58#
0.00	0.00	0.00

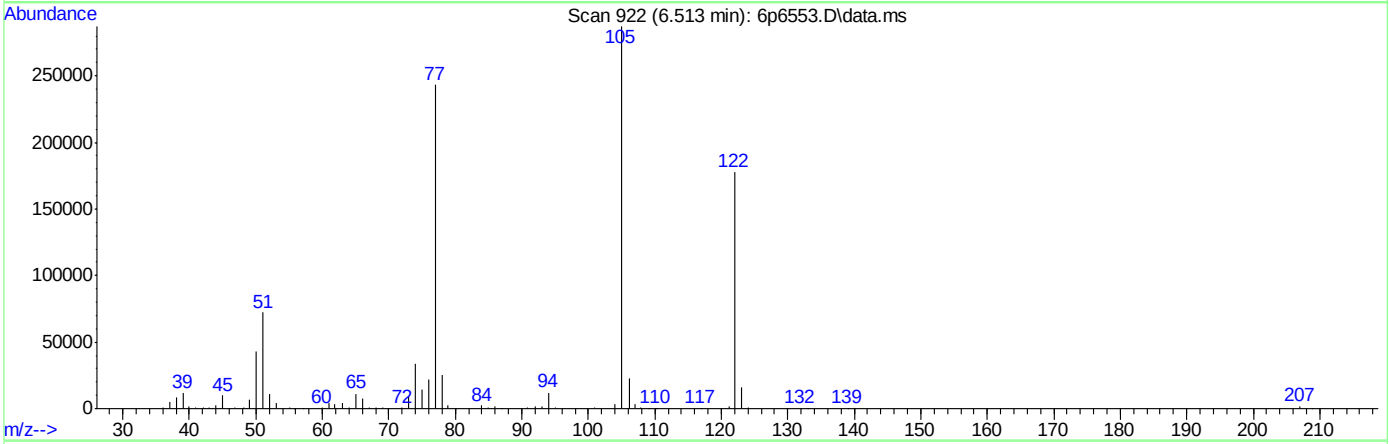
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6553.D
Acq On : 28 Apr 2014 9:57 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 12:19:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration





TIC: 6p6553.D\data.ms

(31) Benzoic Acid

6.513min (0.000) 35.59ppb m

response 628199

Ion	Exp%	Act%
105.10	100	100
122.10	25.10	60.01#
77.10	34.70	82.68#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6554a.D
Acq On : 28 Apr 2014 10:26 am
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 13:12:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration

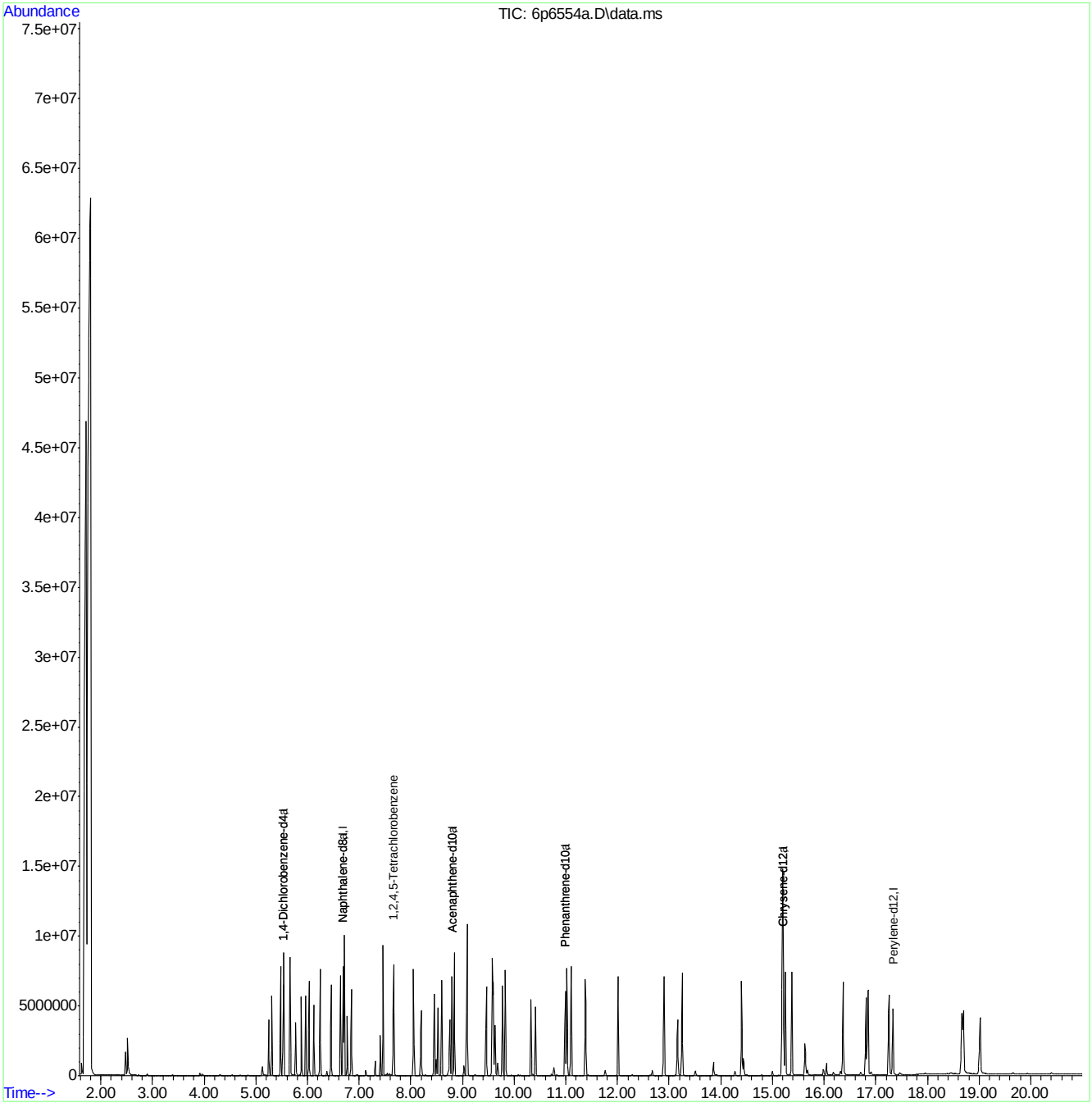
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.529	152	730187	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	2798273	40.00	ppb	0.00
47) Acenaphthene-d10	8.797	164	1605748	40.00	ppb	0.00
69) Phenanthrene-d10	10.990	188	2548796	40.00	ppb	0.00
83) Chrysene-d12	15.210	240	2310636	40.00	ppb	0.00
92) Perylene-d12	17.333	264	2006342	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	730187	40.00	ppb	0.08
104) Phenanthrene-d10a	10.990	188	2548796	40.00	ppb	0.14
107) Chrysene-d12a	15.210	240	2310636	40.00	ppb	0.16
110) Acenaphthene-d10a	8.797	164	1605748	40.00	ppb	0.12
112) Naphthalene-d8a	6.689	136	2798273	40.00	ppb	0.10
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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 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
111) 1,2,4,5-Tetrachloroben...	7.668	216	934472	43.47	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6554a.D
Acq On : 28 Apr 2014 10:26 am
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 13:12:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6554.D
Acq On : 28 Apr 2014 10:26 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 13:10:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.529	152	730187	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	2798273	40.00	ppb	0.00
47) Acenaphthene-d10	8.797	164	1605748	40.00	ppb	0.00
69) Phenanthrene-d10	10.990	188	2548796	40.00	ppb	0.00
83) Chrysene-d12	15.210	240	2310636	40.00	ppb	0.00
92) Perylene-d12	17.333	264	2006342	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.529	152	730187	40.00	ppb	0.08
104) Phenanthrene-d10a	10.990	188	2548796	40.00	ppb	0.14
107) Chrysene-d12a	15.210	240	2310636	40.00	ppb	0.16
110) Acenaphthene-d10a	8.797	164	1605748	40.00	ppb	0.12
112) Naphthalene-d8a	6.689	136	2798273	40.00	ppb	0.10
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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 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
3) Pyridine	2.512	79	1501118	45.36	ppb	100
4) N-Nitrosodimethylamine	2.475	74	969852	49.95	ppb	100
11) bis(2-Chloroethyl)ether	5.309	93	1601698	52.53	ppb	99
14) 1,3-Dichlorobenzene	5.475	146	1306495	49.41	ppb	99
15) 1,4-Dichlorobenzene	5.539	146	1303489	49.04	ppb	99
16) Benzyl alcohol	5.657	108	924672	50.47	ppb	98
17) 1,2-Dichlorobenzene	5.673	146	1231020	49.56	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.769	121	448078	51.29	ppb	96
22) n-Nitroso-di-n-propyla...	5.882	70	1239773	50.37	ppb	99
23) Hexachloroethane	5.967	201	433056	48.44	ppb	97
26) Nitrobenzene	6.026	77	1901757	50.06	ppb	97
28) Isophorone	6.245	82	3092012	49.15	ppb	99
32) bis(2-Chloroethoxy)met...	6.454	93	1864157	53.74	ppb	99
36) 1,2,4-Trichlorobenzene	6.636	180	1002266	49.49	ppb	97
38) Naphthalene	6.711	128	3557343	50.16	ppb	100
42) Hexachlorobutadiene	6.844	225	587233	51.35	ppb	96
44) 2-Methylnaphthalene	7.465	141	1877169	47.08	ppb	99
48) Hexachlorocyclopentadiene	7.663	237	494603	41.53	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6554.D
Acq On : 28 Apr 2014 10:26 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 13:10:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration

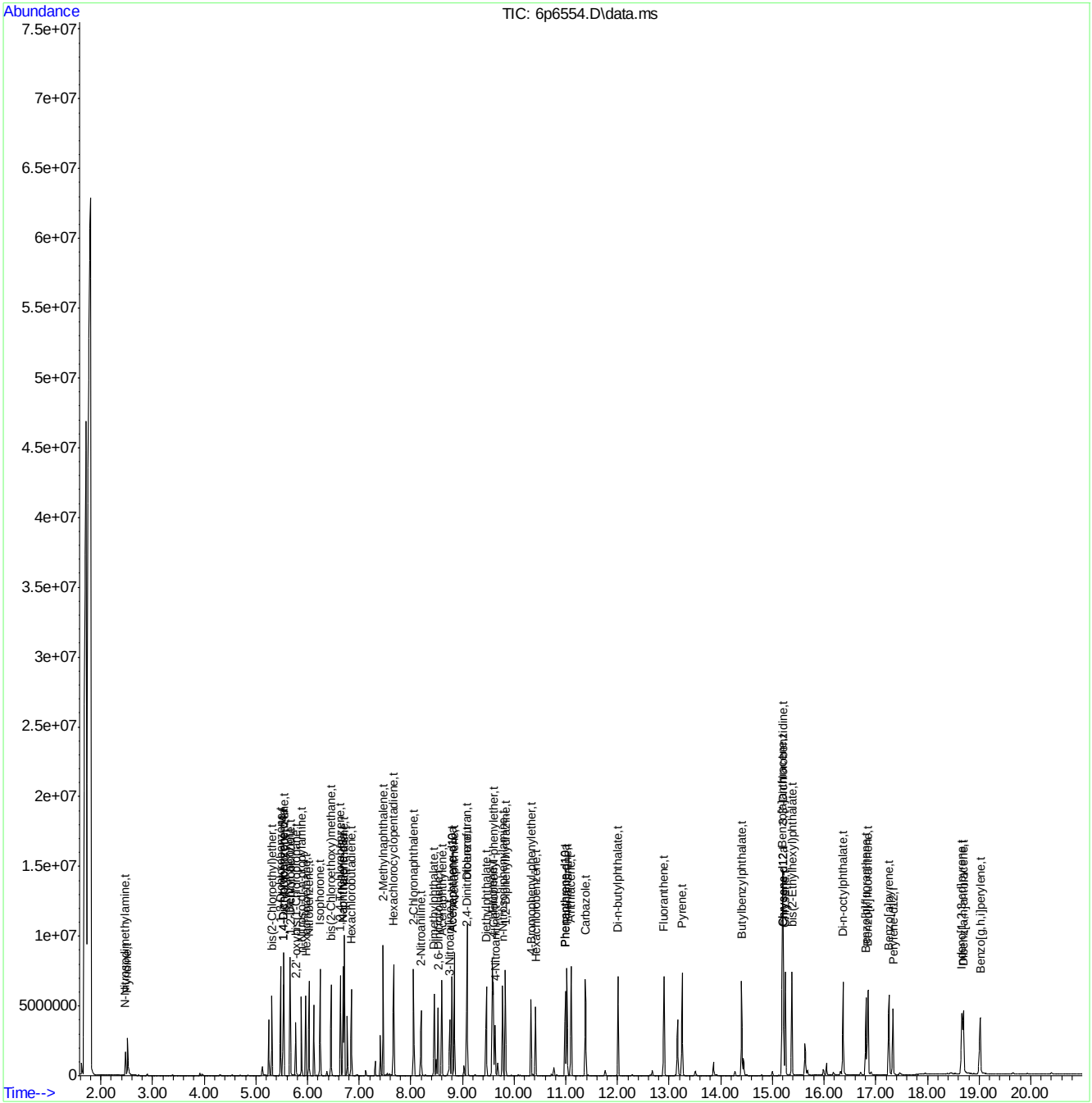
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 2-Chloronaphthalene	8.053	162	2070020	49.03	ppb	97
54) 2-Nitroaniline	8.198	65	901786	48.47	ppb	97
55) Dimethylphthalate	8.454	163	2371289	50.19	ppb	98
56) Acenaphthylene	8.599	152	2903601	42.26	ppb	99
57) 2,6-Dinitrotoluene	8.529	165	527793	48.69	ppb	96
58) 3-Nitroaniline	8.754	138	521799	42.52	ppb	94
59) Acenaphthene	8.839	153	2184735	50.35	ppb	99
62) Dibenzofuran	9.086	168	2840129	47.81	ppb	99
63) 2,4-Dinitrotoluene	9.091	165	710183	47.55	ppb	86
65) Diethylphthalate	9.460	149	2481178	49.47	ppb	99
66) Fluorene	9.578	166	2459805	50.07	ppb	99
67) 4-Chlorophenyl-phenyle...	9.594	204	1069177	49.59	ppb	98
68) 4-Nitroaniline	9.631	138	554358	46.32	ppb	98
71) n-Nitrosodiphenylamine	9.776	169	1658462	52.69	ppb	99
72) 1,2-Diphenylhydrazine	9.829	77	3822081	52.40	ppb	98
74) 4-Bromophenyl-phenylether	10.326	248	609799	51.01	ppb	97
75) Hexachlorobenzene	10.412	284	700004	48.32	ppb	95
77) Phenanthrene	11.022	178	3309606	48.45	ppb	99
78) Anthracene	11.102	178	3379752	49.41	ppb	99
79) Carbazole	11.380	167	3095806	46.14	ppb	100
80) Di-n-butylphthalate	12.011	149	4064680	50.68	ppb	99
81) Fluoranthene	12.899	202	3491454	48.43	ppb	99
84) Pyrene	13.252	202	3587691	52.91	ppb	98
87) Butylbenzylphthalate	14.407	149	1765627	54.82	ppb	100
88) Benzo[a]anthracene	15.194	228	3103964	50.51	ppb	99
89) 3,3'-Dichlorobenzidine	15.199	252	1690417	80.95	ppb	99
90) Chrysene	15.247	228	3005754	53.14	ppb	99
91) bis(2-Ethylhexyl)phtha...	15.376	149	2407183	55.15	ppb	98
93) Di-n-octylphthalate	16.365	149	4060061	56.68	ppb	99
94) Benzo[b]fluoranthene	16.809	252	3072566	51.26	ppb	92
95) Benzo[k]fluoranthene	16.852	252	2933838	53.14	ppb	99
96) Benzo[a]pyrene	17.253	252	2750082	53.38	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.665	276	2729644	51.40	ppb	95
99) Dibenz[a,h]anthracene	18.697	278	2694980	52.93	ppb	99
101) Benzo[g,h,i]perylene	19.023	276	2700561	53.16	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6554.D
Acq On : 28 Apr 2014 10:26 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 13:10:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6555.D
Acq On : 28 Apr 2014 10:54 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 13:12:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration

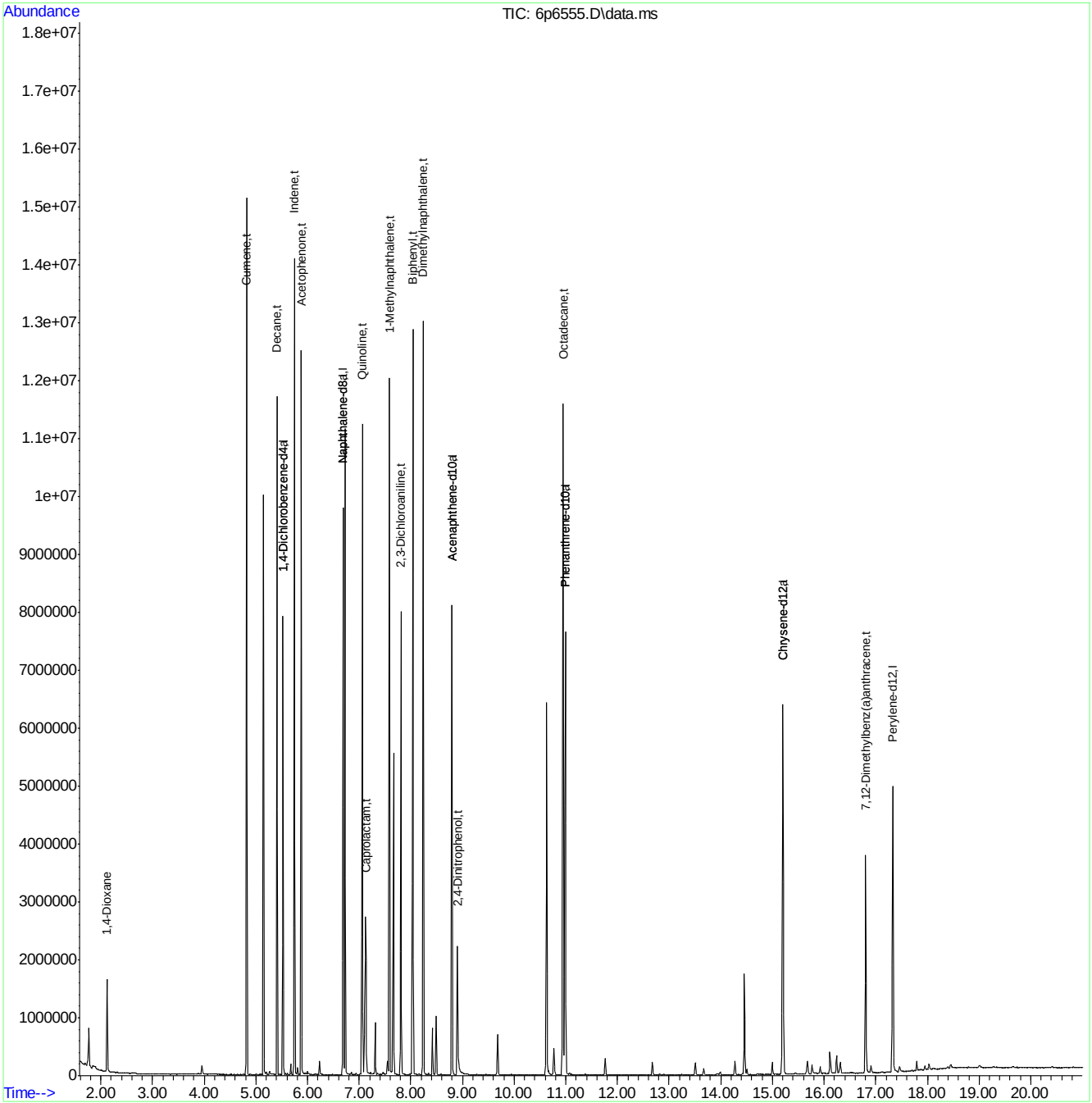
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.523	152	872445	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	3404466	40.00	ppb	0.00
47) Acenaphthene-d10	8.797	164	1928205	40.00	ppb	0.00
69) Phenanthrene-d10	10.990	188	3098278	40.00	ppb	0.00
83) Chrysene-d12	15.199	240	2795844	40.00	ppb	-0.01
92) Perylene-d12	17.328	264	2135188	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	5.523	152	872445	40.00	ppb	0.08
104) Phenanthrene-d10a	10.990	188	3098278	40.00	ppb	0.14
107) Chrysene-d12a	15.199	240	2795844	40.00	ppb	0.15
110) Acenaphthene-d10a	8.797	164	1928205	40.00	ppb	0.12
112) Naphthalene-d8a	6.689	136	3404466	40.00	ppb	0.10
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%		
106) 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	2.116	88	750408	49.66	ppb	99
6) Indene	5.748	116	3212921	55.03	ppb	100
7) Cumene	4.823	105	4916037	53.07	ppb	100
13) Decane	5.411	43	1132577	51.54	ppb	98
18) Acetophenone	5.876	105	2902114	53.01	ppb	86
27) Quinoline	7.059	129	3185608	53.45	ppb	99
40) 2,3-Dichloroaniline	7.807	161	1433920	48.69	ppb	99
41) Caprolactam	7.128	55	593055	48.50	ppb	99
45) 1-Methylnaphthalene	7.583	141	2645984	53.15	ppb	100
46) Dimethylnaphthalene	8.241	156	2842107	52.86	ppb	99
53) Biphenyl	8.037	154	3835999	54.91	ppb	99
60) 2,4-Dinitrophenol	8.904	184	314028	41.68	ppb	93
82) Octadecane	10.947	57	2133760	54.94	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.804	256	875813	23.30	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6555.D
Acq On : 28 Apr 2014 10:54 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 13:12:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6555a.D
Acq On : 28 Apr 2014 10:54 am
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 13:13:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration

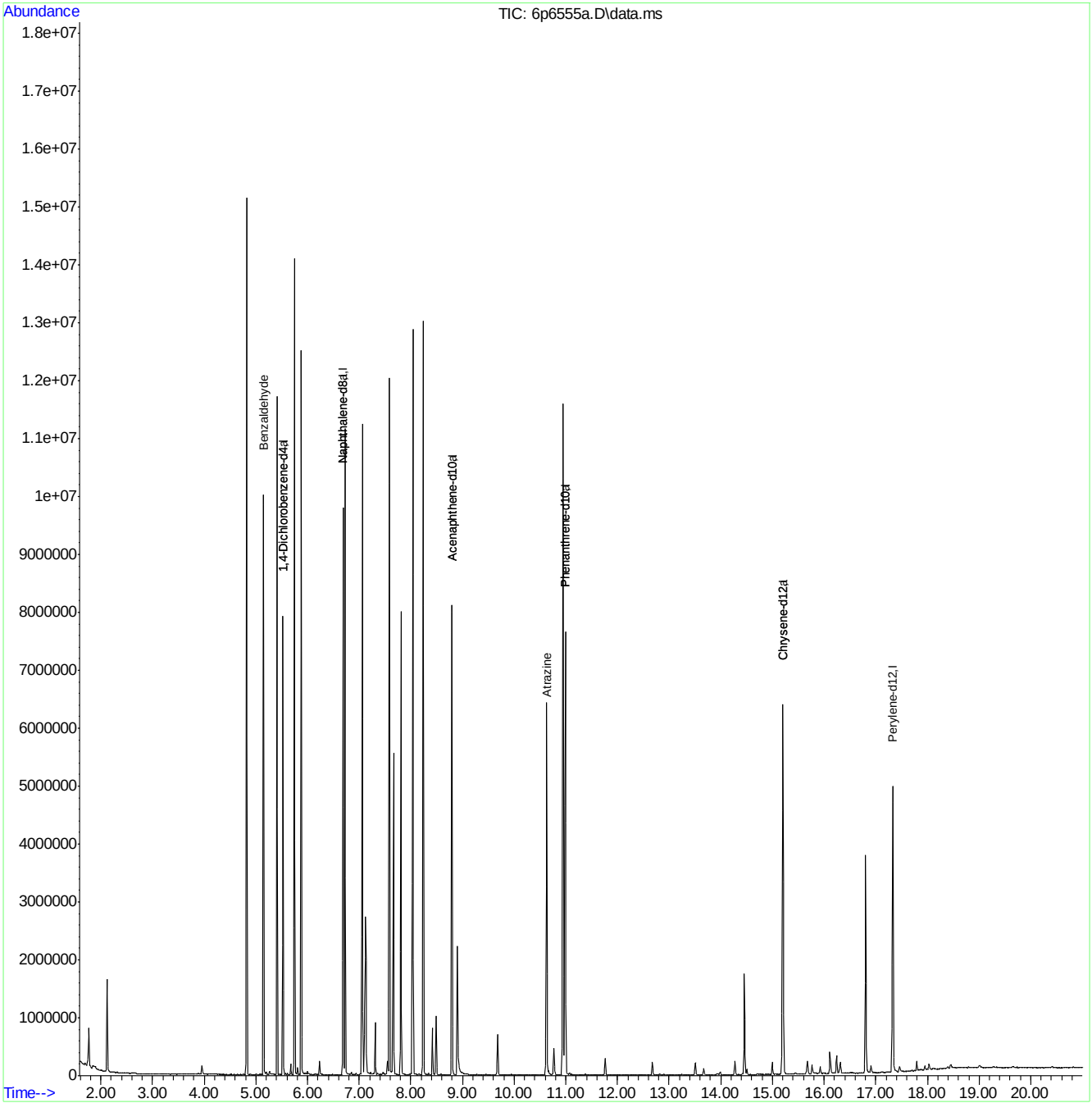
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.523	152	872445	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	3404466	40.00	ppb	0.00
47) Acenaphthene-d10	8.797	164	1928205	40.00	ppb	0.00
69) Phenanthrene-d10	10.990	188	3098278	40.00	ppb	0.00
83) Chrysene-d12	15.199	240	2795844	40.00	ppb	-0.01
92) Perylene-d12	17.328	264	2135188	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	5.523	152	872445	40.00	ppb	0.08
104) Phenanthrene-d10a	10.990	188	3098278	40.00	ppb	0.14
107) Chrysene-d12a	15.199	240	2795844	40.00	ppb	0.15
110) Acenaphthene-d10a	8.797	164	1928205	40.00	ppb	0.12
112) Naphthalene-d8a	6.689	136	3404466	40.00	ppb	0.10
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%		
106) 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	5.149	105	1712770	54.92	ppb	92
105) Atrazine	10.637	215	461480	51.94	ppb	85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6555a.D
Acq On : 28 Apr 2014 10:54 am
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 13:13:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6556.D
Acq On : 28 Apr 2014 11:22 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 12:26:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration

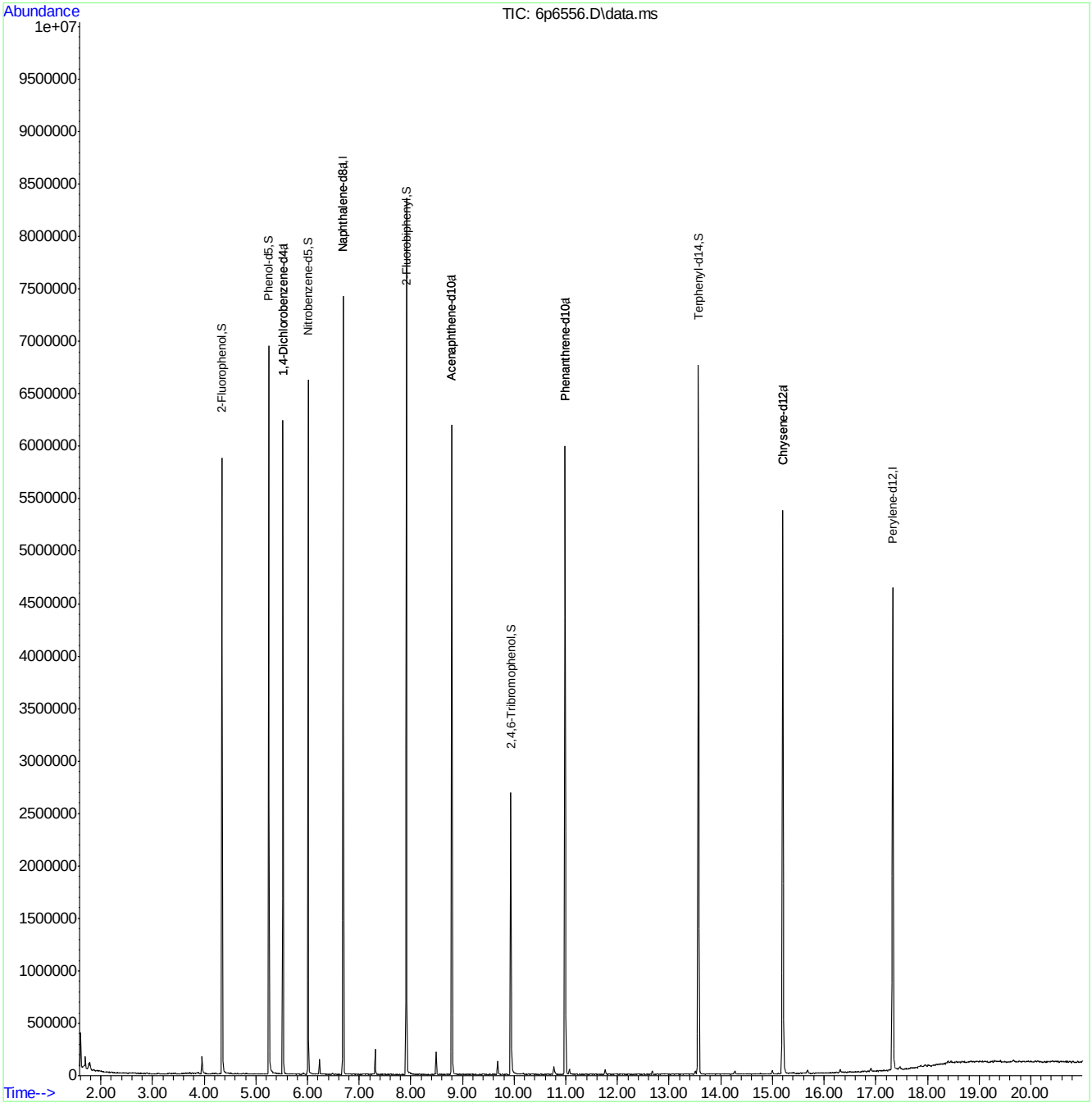
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.523	152	658070	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	2572567	40.00	ppb	0.00
47) Acenaphthene-d10	8.791	164	1439594	40.00	ppb	-0.01
69) Phenanthrene-d10	10.984	188	2326255	40.00	ppb	-0.01
83) Chrysene-d12	15.199	240	2143473	40.00	ppb	-0.01
92) Perylene-d12	17.328	264	1918174	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	5.523	152	658070	40.00	ppb	0.08
104) Phenanthrene-d10a	10.984	188	2326255	40.00	ppb	0.13
107) Chrysene-d12a	15.199	240	2143473	40.00	ppb	0.15
110) Acenaphthene-d10a	8.791	164	1439594	40.00	ppb	0.12
112) Naphthalene-d8a	6.689	136	2572567	40.00	ppb	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	4.341	112	1351385	56.99	ppb	0.00
Spiked Amount 50.000			Recovery = 113.98%			
8) Phenol-d5	5.251	99	1854949	54.72	ppb	0.00
Spiked Amount 50.000			Recovery = 109.44%			
25) Nitrobenzene-d5	6.010	82	1939194	57.09	ppb	0.00
Spiked Amount 50.000			Recovery = 114.18%			
51) 2-Fluorobiphenyl	7.914	172	2445133	57.81	ppb	0.00
Spiked Amount 50.000			Recovery = 115.62%			
73) 2,4,6-Tribromophenol	9.936	330	322254	53.53	ppb	-0.01
Spiked Amount 50.000			Recovery = 107.06%			
86) Terphenyl-d14	13.568	244	2483712	59.67	ppb	0.00
Spiked Amount 50.000			Recovery = 119.34%			
106) 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\e6p278\
Data File : 6p6556.D
Acq On : 28 Apr 2014 11:22 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 12:26:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:22 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6557.D
Acq On : 28 Apr 2014 11:50 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 13:22:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 13:21:06 2014
Response via : Initial Calibration

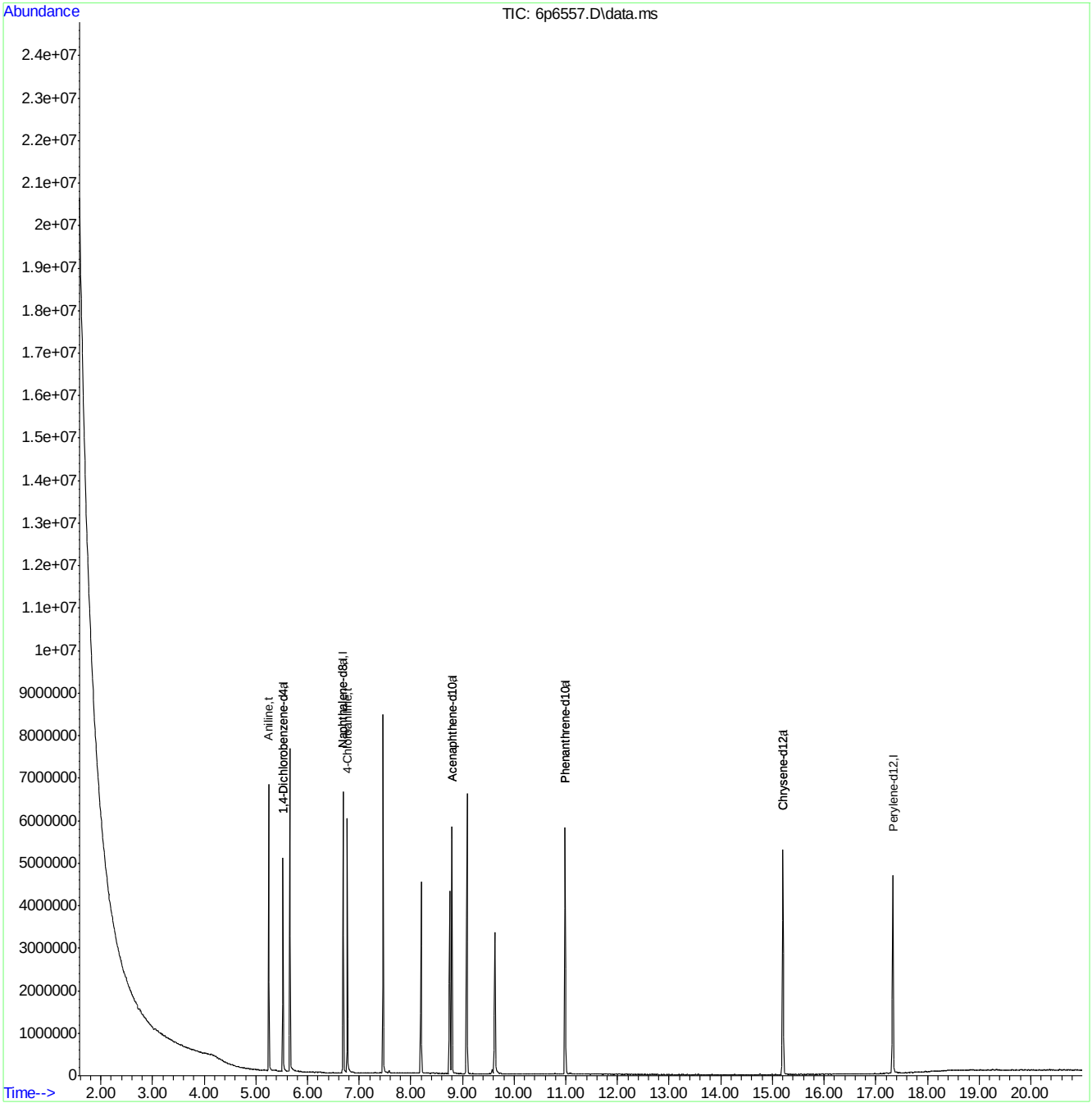
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.523	152	567799	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	2267557	40.00	ppb	0.00
47) Acenaphthene-d10	8.797	164	1341452	40.00	ppb	0.00
69) Phenanthrene-d10	10.984	188	2240755	40.00	ppb	0.00
83) Chrysene-d12	15.204	240	2227098	40.00	ppb	0.00
92) Perylene-d12	17.333	264	2140372	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.523	152	567799	40.00	ppb	0.00
104) Phenanthrene-d10a	10.984	188	2240755	40.00	ppb	0.00
107) Chrysene-d12a	15.204	240	2227098	40.00	ppb	0.00
110) Acenaphthene-d10a	8.797	164	1341452	40.00	ppb	0.00
112) Naphthalene-d8a	6.689	136	2267557	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 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
10) Aniline	5.251	93	2128050	57.06	ppb	97
39) 4-Chloroaniline	6.770	127	1355414	56.00	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6557.D
Acq On : 28 Apr 2014 11:50 am
Operator : emilyp
Sample : icv277-50
Misc : op73158,e6p278
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 28 13:22:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 13:21:06 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6558.D
Acq On : 28 Apr 2014 12:18 pm
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 13:08:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration

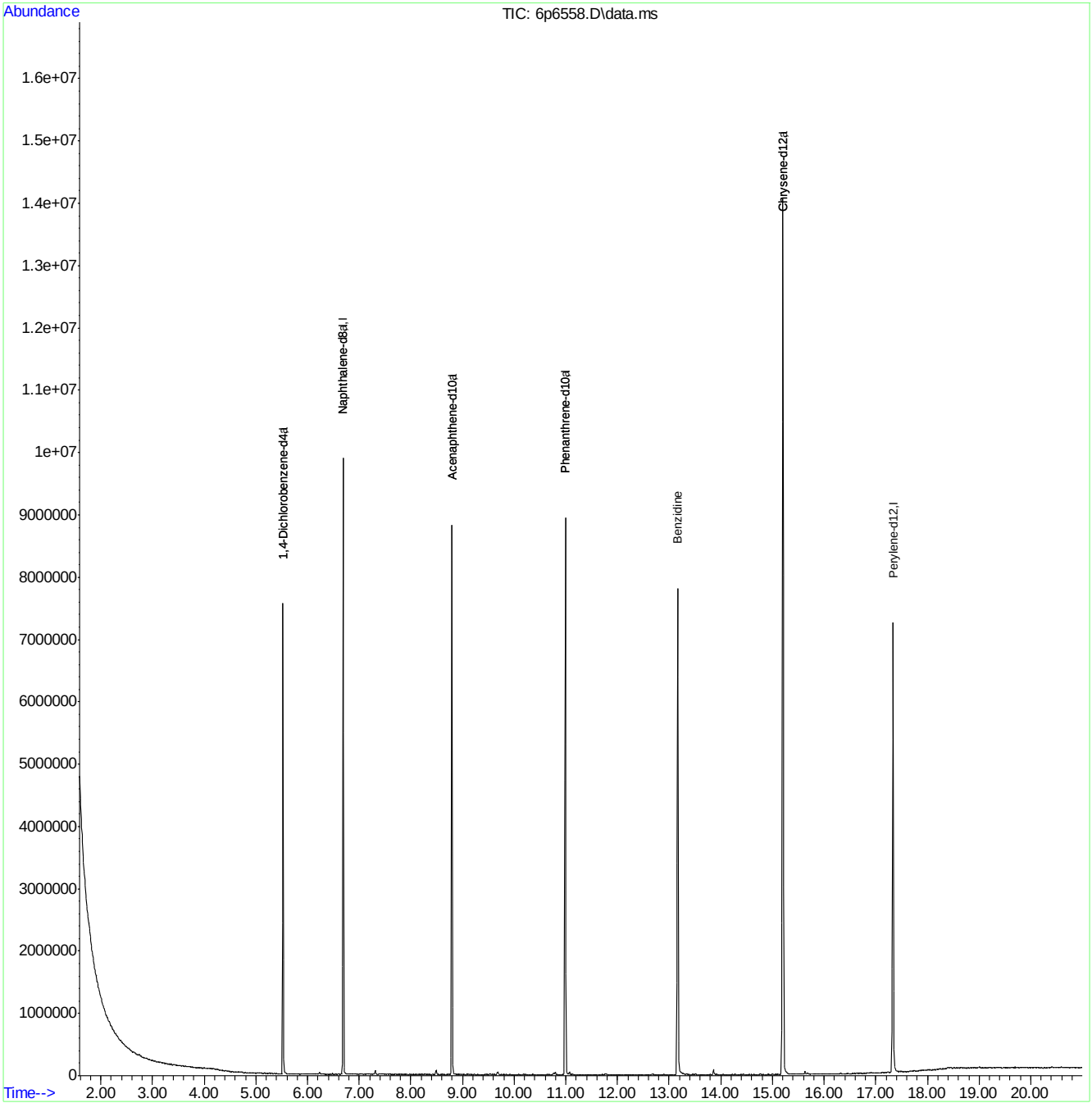
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.524	152	873090	40.00	ppb	0.00
24) Naphthalene-d8	6.690	136	3501231	40.00	ppb	0.00
47) Acenaphthene-d10	8.797	164	2086918	40.00	ppb	0.00
69) Phenanthrene-d10	10.990	188	3469686	40.00	ppb	0.00
83) Chrysene-d12	15.205	240	3556638	40.00	ppb	0.00
92) Perylene-d12	17.333	264	3420301	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.524	152	873090	40.00	ppb	0.08
104) Phenanthrene-d10a	10.990	188	3469686	40.00	ppb	0.14
107) Chrysene-d12a	15.205	240	3556638	40.00	ppb	0.16
110) Acenaphthene-d10a	8.797	164	2086918	40.00	ppb	0.12
112) Naphthalene-d8a	6.690	136	3501231	40.00	ppb	0.10
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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 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
108) Benzidine	13.167	184	3370179	61.97	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6558.D
Acq On : 28 Apr 2014 12:18 pm
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 28 13:08:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:16:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6559.D
Acq On : 28 Apr 2014 12:47 pm
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 13:08:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:23 2014
Response via : Initial Calibration

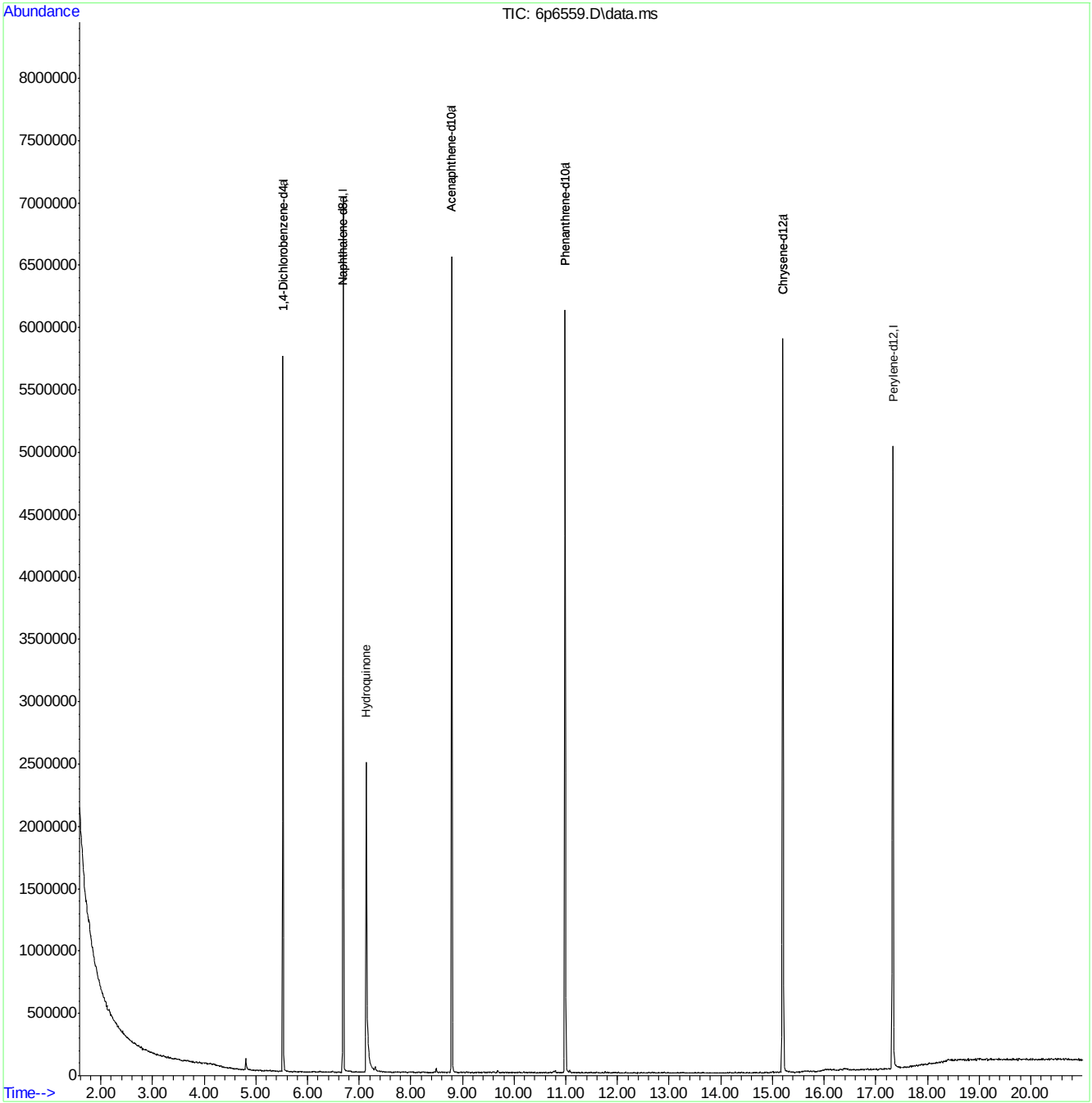
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.523	152	616904	40.00	ppb	0.00
24) Naphthalene-d8	6.689	136	2446262	40.00	ppb	0.00
47) Acenaphthene-d10	8.791	164	1446480	40.00	ppb	-0.01
69) Phenanthrene-d10	10.984	188	2384234	40.00	ppb	-0.01
83) Chrysene-d12	15.199	240	2444031	40.00	ppb	-0.01
92) Perylene-d12	17.333	264	2238231	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.523	152	616904	40.00	ppb	0.08
104) Phenanthrene-d10a	10.984	188	2384234	40.00	ppb	0.13
107) Chrysene-d12a	15.199	240	2444031	40.00	ppb	0.15
110) Acenaphthene-d10a	8.791	164	1446480	40.00	ppb	0.12
112) Naphthalene-d8a	6.689	136	2446262	40.00	ppb	0.10
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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) 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	7.133	110	1322990	54.41	ppb	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p278\
Data File : 6p6559.D
Acq On : 28 Apr 2014 12:47 pm
Operator : emilyp
Sample : icv276-50
Misc : op73158,e6p278
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 28 13:08:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Mon Apr 28 12:04:23 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/02/14 14:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 12:06:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.095	152	801491	40.00	ppb		-0.05
24) Naphthalene-d8	6.181	136	3123680	40.00	ppb		-0.06
47) Acenaphthene-d10	8.154	164	1811907	40.00	ppb		-0.08
69) Phenanthrene-d10	10.283	188	3111243	40.00	ppb		-0.10
83) Chrysene-d12	14.461	240	3274850	40.00	ppb		-0.10
92) Perylene-d12	16.573	264	2933426	40.00	ppb		-0.10
102) 1,4-Dichlorobenzene-d4a	5.095	152	801491	40.00	ppb		-0.05
104) Phenanthrene-d10a	10.283	188	3111243	40.00	ppb		-0.10
106) Chrysene-d12a	14.461	240	3274850	40.00	ppb		-0.10
108) Acenaphthene-d10a	8.154	164	1811907	40.00	ppb		-0.08
System Monitoring Compounds							
5) 2-Fluorophenol	3.849	112	694310	24.04	ppb		-0.07
Spiked Amount 50.000			Recovery = 48.08%				
8) Phenol-d5	4.849	99	969297	23.48	ppb		-0.05
Spiked Amount 50.000			Recovery = 46.96%				
25) Nitrobenzene-d5	5.560	82	953575	23.12	ppb		-0.05
Spiked Amount 50.000			Recovery = 46.24%				
51) 2-Fluorobiphenyl	7.325	172	1461264	27.45	ppb		-0.08
Spiked Amount 50.000			Recovery = 54.90%				
73) 2,4,6-Tribromophenol	9.267	330	242964	30.18	ppb		-0.09
Spiked Amount 50.000			Recovery = 60.36%				
86) Terphenyl-d14	12.851	244	1664584	26.17	ppb		-0.09
Spiked Amount 50.000			Recovery = 52.34%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.576	88	316367	22.79	ppb		89
3) Pyridine	1.875	79	812650	22.37	ppb		83
4) N-Nitrosodimethylamine	1.848	74	465323	21.83	ppb		63
6) Indene	5.309	116	1358759	25.33	ppb		99
7) Cumene	4.346	105	2130024	25.03	ppb		99
9) Phenol	4.860	94	1042955	21.86	ppb		91
10) Aniline	4.812	93	1136317	21.58	ppb		98
11) bis(2-Chloroethyl)ether	4.886	93	725006	21.66	ppb		99
12) 2-Chlorophenol	4.924	128	730227	26.71	ppb		93
13) Decane	4.988	43	586331	29.05	ppb		82
14) 1,3-Dichlorobenzene	5.042	146	789092	27.19	ppb		98
15) 1,4-Dichlorobenzene	5.106	146	808587	27.71	ppb		99
16) Benzyl alcohol	5.239	108	525407	26.13	ppb		96
17) 1,2-Dichlorobenzene	5.234	146	768348	28.18	ppb		99
18) Acetophenone	5.443	105	1241874	24.69	ppb		89
19) 2-Methylphenol	5.362	108	704778	25.20	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.352	121	232641	24.26	ppb	#	80
21) 3&4-Methylphenol	5.491	108	755867	25.15	ppb		99
22) n-Nitroso-di-n-propyla...	5.459	70	618082	22.88	ppb		87
23) Hexachloroethane	5.507	201	291821	29.74	ppb		95
26) Nitrobenzene	5.576	77	1008143	23.77	ppb		99
27) Quinoline	6.528	129	1393808	25.49	ppb		99
28) Isophorone	5.785	82	1655142	23.57	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 12:06:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.855	139	383905	28.34	ppb	#	53
30) 2,4-Dimethylphenol	5.924	107	808262	25.28	ppb		98
31) Benzoic Acid	6.047	105	538658m	33.11	ppb		
32) bis(2-Chloroethoxy)met...	5.988	93	839028	21.67	ppb		97
33) 2,4-Dichlorophenol	6.085	162	571078	29.31	ppb		98
34) 2,6-Dichlorophenol	6.282	162	562348	28.39	ppb		98
35) 1,3,5-Trichlorobenzene	5.860	180	695291	28.28	ppb		98
36) 1,2,4-Trichlorobenzene	6.138	180	637558	28.20	ppb		99
37) 1,2,3-Trichlorobenzene	6.347	180	637438	27.30	ppb		98
38) Naphthalene	6.202	128	2119160	26.77	ppb		99
39) 4-Chloroaniline	6.277	127	885474	26.56	ppb		96
40) 2,3-Dichloroaniline	7.229	161	735067	27.20	ppb		96
41) Caprolactam	6.630	55	275884	24.59	ppb		91
42) Hexachlorobutadiene	6.331	225	402388	31.52	ppb		99
43) 4-Chloro-3-methylphenol	6.796	107	781216	26.36	ppb		98
44) 2-Methylnaphthalene	6.903	141	1231099	27.66	ppb		97
45) 1-Methylnaphthalene	7.005	141	1240087	27.15	ppb		97
46) Dimethylnaphthalene	7.630	156	1294837	26.25	ppb		97
48) Hexachlorocyclopentadiene	7.085	237	694141	51.66	ppb		99
49) 2,4,6-Trichlorophenol	7.245	196	414253	29.44	ppb		98
50) 2,4,5-Trichlorophenol	7.299	196	430653	29.08	ppb		99
52) 2-Chloronaphthalene	7.454	162	1328845	27.89	ppb		97
53) Biphenyl	7.443	154	1771262	26.98	ppb		97
54) 2-Nitroaniline	7.604	65	522421	24.89	ppb		98
55) Dimethylphthalate	7.850	163	1474487	27.66	ppb		100
56) Acenaphthylene	7.967	152	2135676	27.55	ppb		99
57) 2,6-Dinitrotoluene	7.924	165	344044	28.13	ppb		96
58) 3-Nitroaniline	8.138	138	356361	25.73	ppb		96
59) Acenaphthene	8.197	153	1326432	27.09	ppb		99
60) 2,4-Dinitrophenol	8.299	184	258685	36.53	ppb		95
61) 4-Nitrophenol	8.465	109	318189	28.27	ppb	#	77
62) Dibenzofuran	8.433	168	1864905	27.82	ppb		96
63) 2,4-Dinitrotoluene	8.470	165	470541	27.92	ppb		84
64) 2,3,4,6-Tetrachlorophenol	8.636	232	363432	29.53	ppb		96
65) Diethylphthalate	8.823	149	1575175	27.84	ppb		99
66) Fluorene	8.909	166	1519731	27.42	ppb		99
67) 4-Chlorophenyl-phenyle...	8.941	204	671684	27.61	ppb		99
68) 4-Nitroaniline	8.989	138	338762	25.09	ppb		86
70) 4,6-Dinitro-2-methylph...	9.053	198	210974	21.23	ppb		92
71) n-Nitrosodiphenylamine	9.123	169	1007490	26.22	ppb		100
72) 1,2-Diphenylhydrazine	9.165	77	1993234	22.39	ppb		97
74) 4-Bromophenyl-phenylether	9.647	248	410490	28.13	ppb		98
75) Hexachlorobenzene	9.722	284	494962	27.99	ppb		92
76) Pentachlorophenol	10.048	266	531756	55.88	ppb		100
77) Phenanthrene	10.321	178	2158740	25.89	ppb		99
78) Anthracene	10.396	178	2218467	26.57	ppb		100
79) Carbazole	10.684	167	2051078	25.04	ppb		98
80) Di-n-butylphthalate	11.337	149	2566881	26.22	ppb		99
81) Fluoranthene	12.166	202	2297093	26.10	ppb		95
82) Octadecane	10.289	57	945756	24.25	ppb		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 12:06:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration

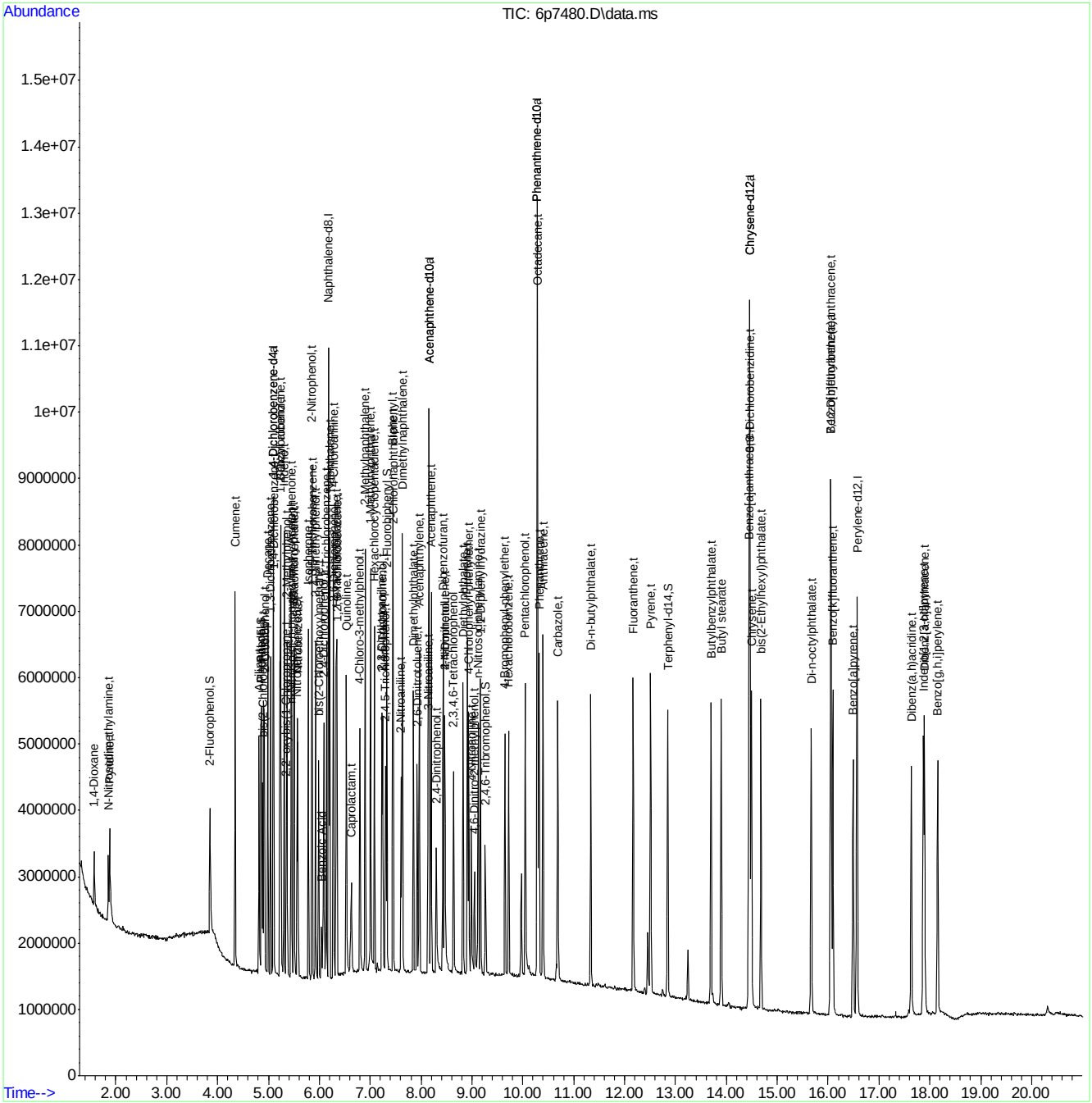
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.514	202	2420775	25.19	ppb	91
85) Butyl stearate	13.899	56	591363	25.40	ppb	90
87) Butylbenzylphthalate	13.701	149	1166304	25.55	ppb	94
88) Benzo[a]anthracene	14.444	228	2245989	25.79	ppb	100
89) 3,3'-Dichlorobenzidine	14.466	252	829966	28.04	ppb	96
90) Chrysene	14.498	228	2062162	25.72	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.680	149	1611793	26.06	ppb	98
93) Di-n-octylphthalate	15.669	149	2745714	26.22	ppb	98
94) Benzo[b]fluoranthene	16.054	252	2422085	27.64	ppb	96
95) Benzo[k]fluoranthene	16.092	252	2164316	26.81	ppb	98
96) Benzo[a]pyrene	16.493	252	2004259	26.61	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.873	276	2125777m	27.38	ppb	
98) Dibenz(a,h)acridine	17.638	279	1855905	27.05	ppb	99
99) Dibenz[a,h]anthracene	17.894	278	2123225	28.52	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.054	256	1049994	20.48	ppb	99
101) Benzo[g,h,i]perylene	18.156	276	2040522	27.47	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 12:06:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

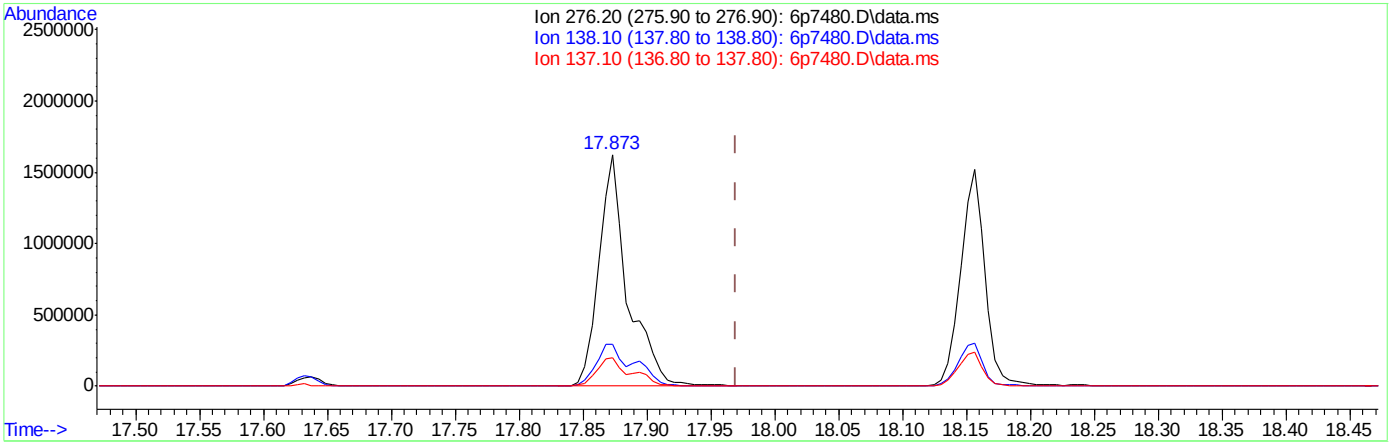
Sample Number: E6P318-CC277
Lab FileID: 6P7480.D
Injection Time: 05/29/14 09:18
Method: SW846 8270D
Analyst approved: 05/29/14 12:11 Ashley Royal
Supervisor approved: 06/02/14 14:15 Nina Pandya

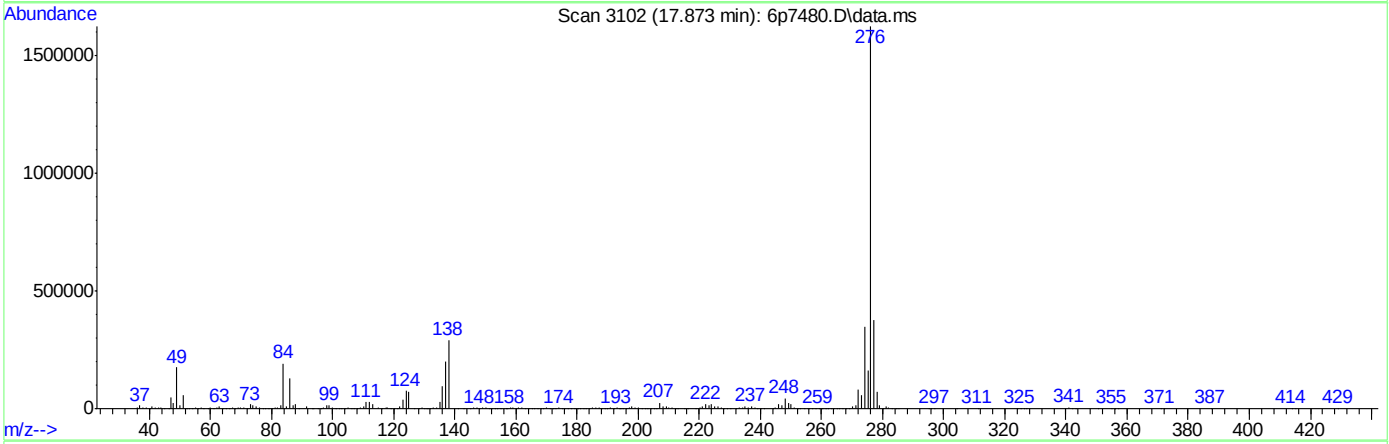
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		6.05	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		17.87	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:49:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration





TIC: 6p7480.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.873min (-0.097) 32.95ppb

response 2558400

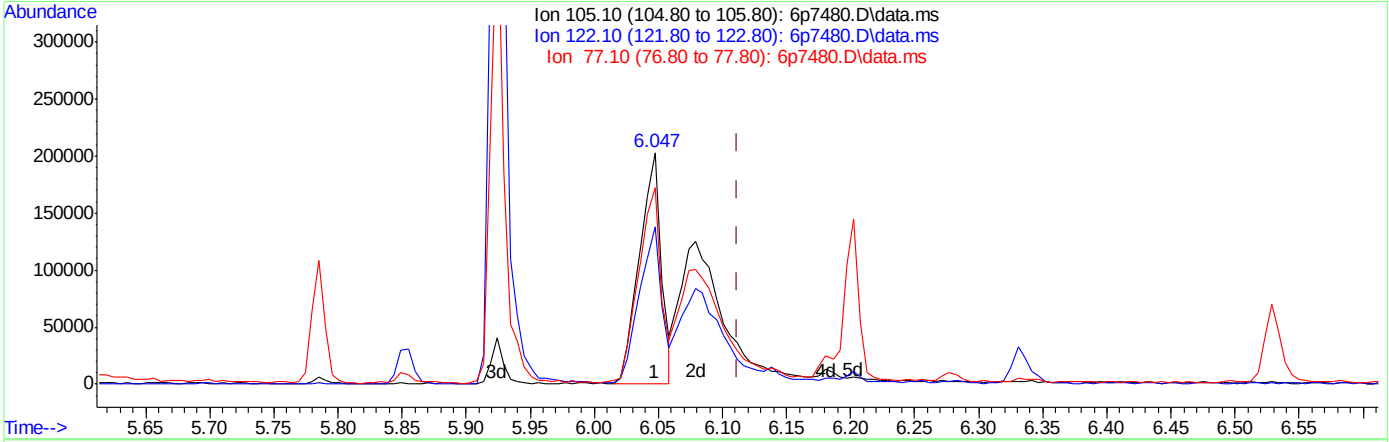
Ion	Exp%	Act%
276.20	100	100
138.10	17.00	17.92
137.10	11.90	12.30
0.00	0.00	0.00

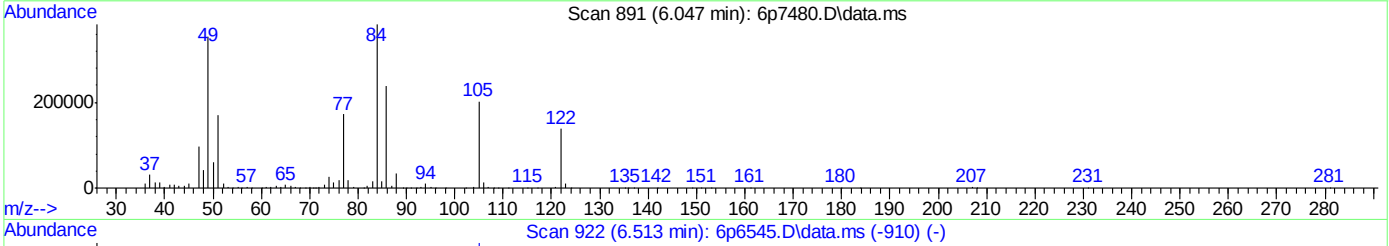
ACCUTEST LABORATORIES JB67744

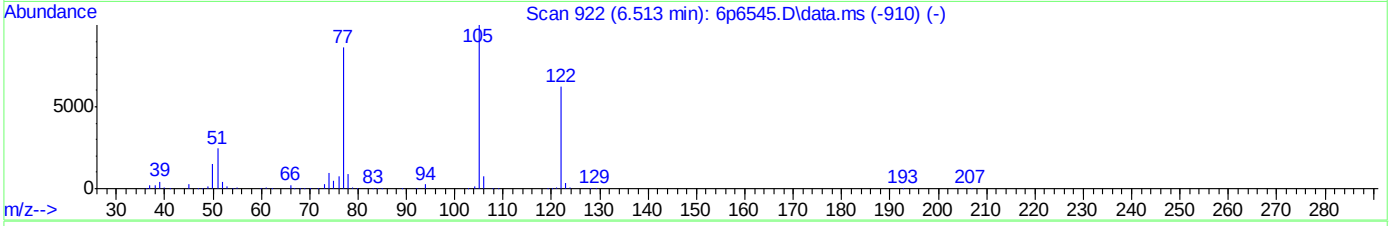
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:51:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration







TIC: 6p7480.D\data.ms

(31) Benzoic Acid

6.047min (-0.065) 14.43ppb

response 234717

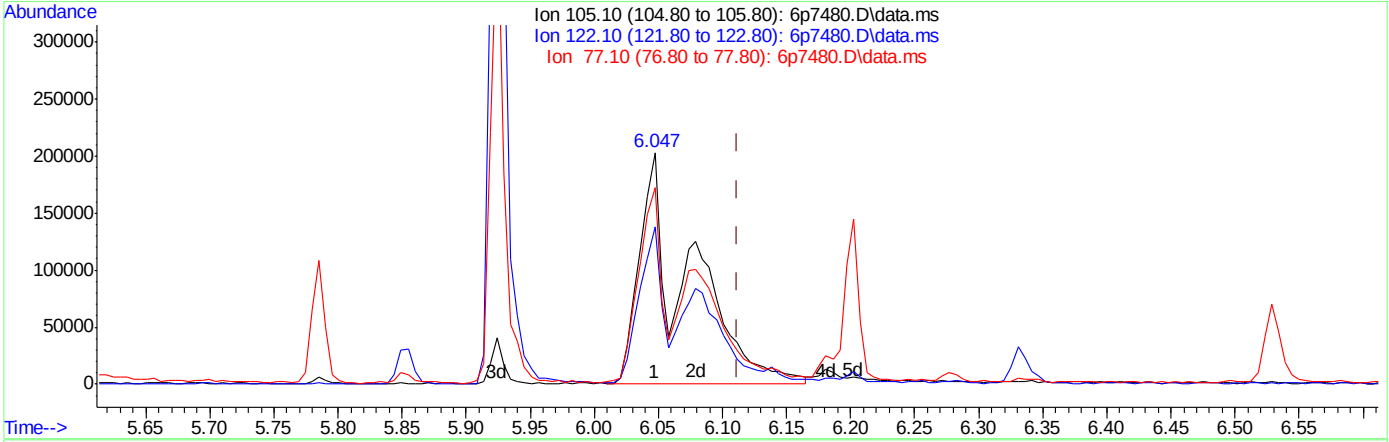
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	69.13#
77.10	34.70	85.51#
0.00	0.00	0.00

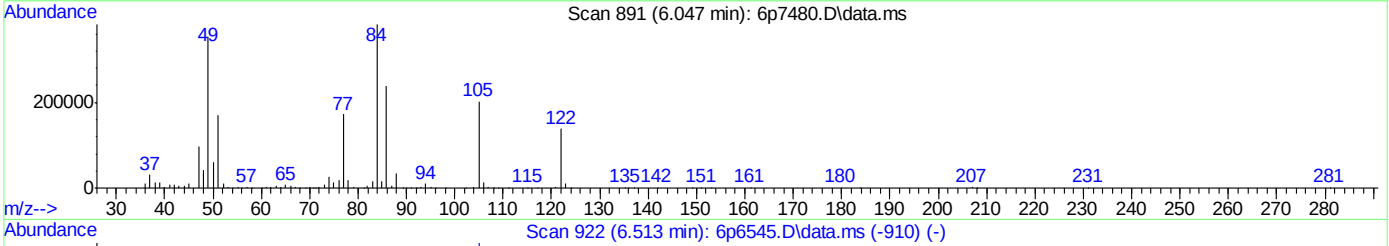
ACCUTEST LABORATORIES JB67744

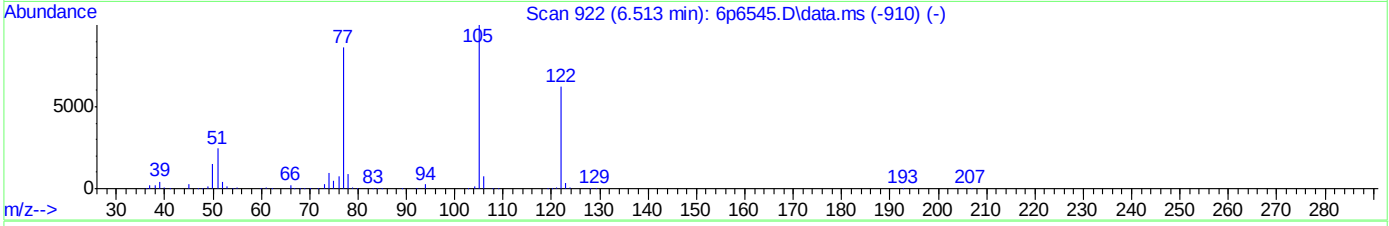
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:51:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration







TIC: 6p7480.D\data.ms

(31) Benzoic Acid

6.047min (-0.065) 33.11ppb m

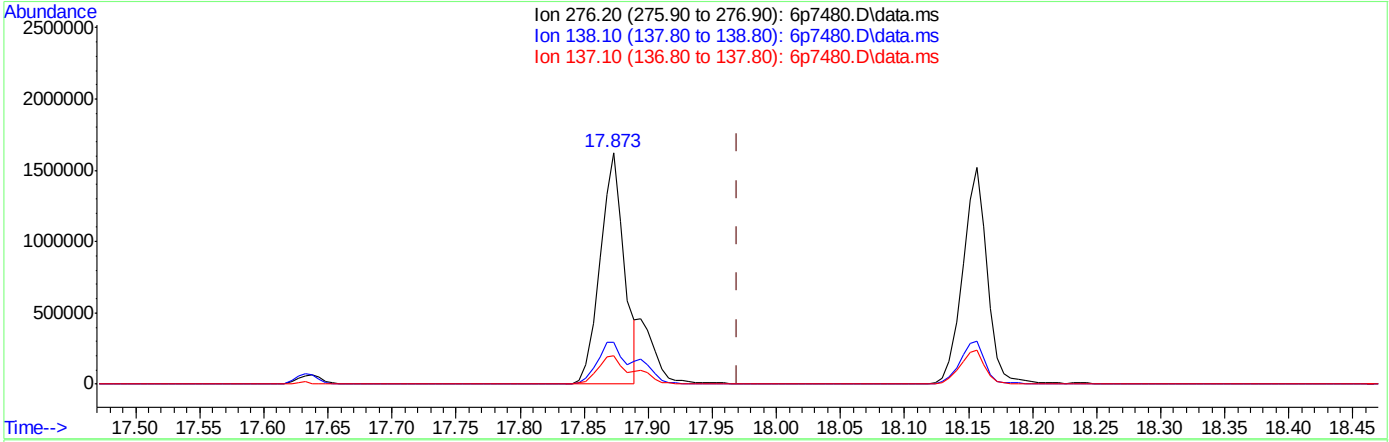
response 538658

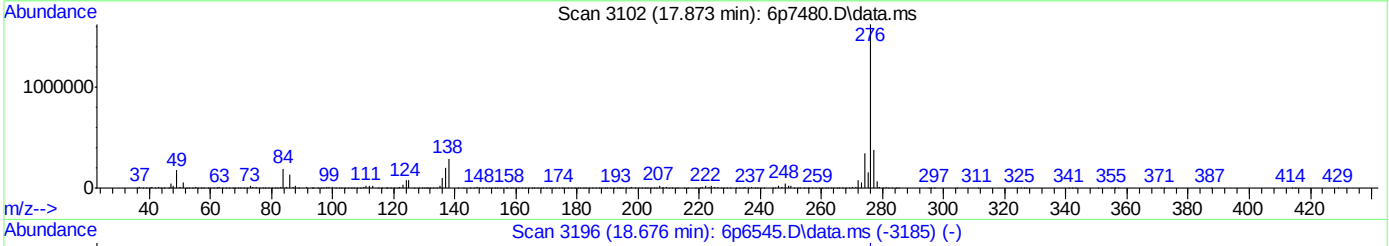
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	30.12
77.10	34.70	37.26
0.00	0.00	0.00

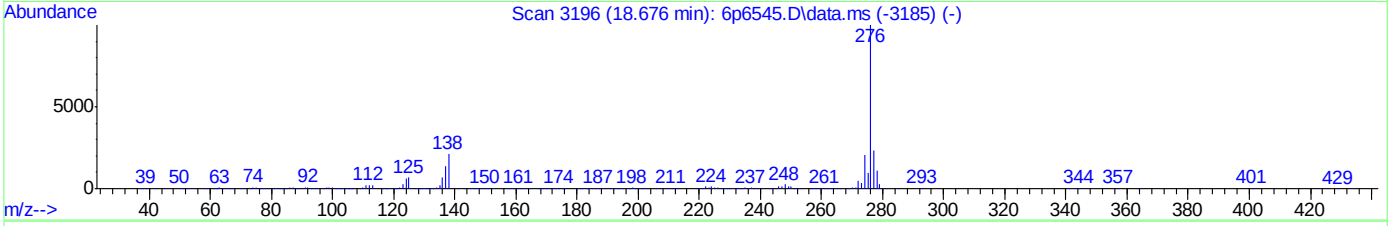
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7480.D
Acq On : 29 May 2014 9:18 am
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p318
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:51:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration







TIC: 6p7480.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.873min (-0.097) 27.38ppb m

response 2125777

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	17.98
137.10	11.90	12.39
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7481.D
Acq On : 29 May 2014 9:53 am
Operator : ashleyv
Sample : cc276-25
Misc : op74494,e6p318
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 12:07:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration

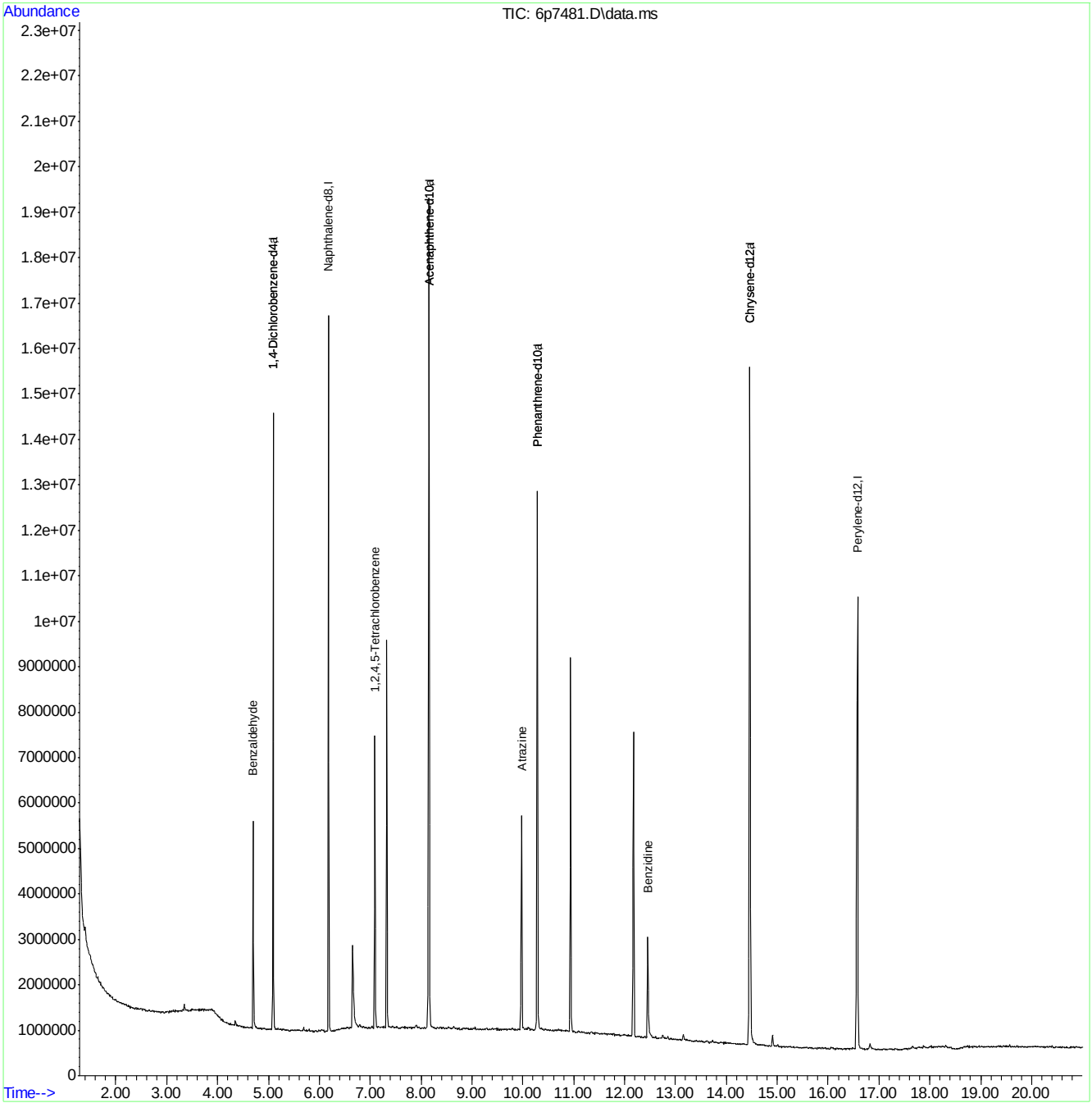
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.090	152	1315924	40.00	ppb	-0.06
24) Naphthalene-d8	6.181	136	5043703	40.00	ppb	-0.06
47) Acenaphthene-d10	8.155	164	2975116	40.00	ppb	-0.08
69) Phenanthrene-d10	10.289	188	4881849	40.00	ppb	-0.09
83) Chrysene-d12	14.461	240	5279770	40.00	ppb	-0.10
92) Perylene-d12	16.579	264	4909581	40.00	ppb	-0.10
102) 1,4-Dichlorobenzene-d4a	5.090	152	1315924	40.00	ppb	-0.06
104) Phenanthrene-d10a	10.289	188	4881849	40.00	ppb	-0.09
106) Chrysene-d12a	14.461	240	5279770	40.00	ppb	-0.10
108) Acenaphthene-d10a	8.155	164	2975116	40.00	ppb	-0.08
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	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	4.699	105	853702	18.15	ppb	95
105) Atrazine	9.978	215	333361	23.81	ppb	79
107) Benzidine	12.455	184	1037809	12.85	ppb	97
109) 1,2,4,5-Tetrachloroben...	7.096	216	991796	24.90	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p318\
Data File : 6p7481.D
Acq On : 29 May 2014 9:53 am
Operator : ashleyv
Sample : cc276-25
Misc : op74494,e6p318
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 12:07:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Wed May 28 14:52:28 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/02/14 14:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7543.D
Acq On : 30 May 2014 12:13 pm
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p320
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 31 11:51:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.074	152	1007429	40.00	ppb	0.00
24) Naphthalene-d8	6.165	136	3924831	40.00	ppb	0.00
47) Acenaphthene-d10	8.133	164	2344965	40.00	ppb	0.00
69) Phenanthrene-d10	10.262	188	3927878	40.00	ppb	0.00
83) Chrysene-d12	14.439	240	4037372	40.00	ppb	0.00
92) Perylene-d12	16.557	264	3526504	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.074	152	1007429	40.00	ppb	0.00
104) Phenanthrene-d10a	10.262	188	3927878	40.00	ppb	0.00
106) Chrysene-d12a	14.439	240	4037372	40.00	ppb	0.00
108) Acenaphthene-d10a	8.133	164	2344965	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.827	112	887058	24.44	ppb	0.00
Spiked Amount 50.000			Recovery = 48.88%			
8) Phenol-d5	4.838	99	1272840	24.53	ppb	0.00
Spiked Amount 50.000			Recovery = 49.06%			
25) Nitrobenzene-d5	5.544	82	1308842	25.25	ppb	0.00
Spiked Amount 50.000			Recovery = 50.50%			
51) 2-Fluorobiphenyl	7.309	172	1827415	26.52	ppb	0.00
Spiked Amount 50.000			Recovery = 53.04%			
73) 2,4,6-Tribromophenol	9.246	330	275625	27.12	ppb	0.00
Spiked Amount 50.000			Recovery = 54.24%			
86) Terphenyl-d14	12.824	244	2019176	25.75	ppb	0.00
Spiked Amount 50.000			Recovery = 51.50%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.560	88	395007	22.64	ppb	89
3) Pyridine	1.854	79	1047576	22.94	ppb	80
4) N-Nitrosodimethylamine	1.832	74	611649	22.83	ppb	66
6) Indene	5.288	116	1731314	25.68	ppb	98
7) Cumene	4.325	105	2782061	26.01	ppb	99
9) Phenol	4.849	94	1422139	23.71	ppb	89
10) Aniline	4.795	93	1510829	22.83	ppb	96
11) bis(2-Chloroethyl)ether	4.870	93	973032	23.13	ppb	99
12) 2-Chlorophenol	4.908	128	934736	27.20	ppb	97
13) Decane	4.967	43	758016	29.88	ppb	80
14) 1,3-Dichlorobenzene	5.020	146	977420	26.79	ppb	99
15) 1,4-Dichlorobenzene	5.090	146	1026209	27.98	ppb	99
16) Benzyl alcohol	5.223	108	679244	26.87	ppb	99
17) 1,2-Dichlorobenzene	5.218	146	972449	28.38	ppb	100
18) Acetophenone	5.427	105	1615845	25.56	ppb	87
19) 2-Methylphenol	5.346	108	918971	26.15	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.330	121	307726	25.53	ppb #	77
21) 3&4-Methylphenol	5.475	108	1001061	26.50	ppb	98
22) n-Nitroso-di-n-propyla...	5.437	70	841779	24.79	ppb	86
23) Hexachloroethane	5.491	201	359814	29.17	ppb	94
26) Nitrobenzene	5.560	77	1356460	25.46	ppb	99
27) Quinoline	6.512	129	1779522	25.90	ppb	98
28) Isophorone	5.769	82	2279196	25.83	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7543.D
Acq On : 30 May 2014 12:13 pm
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p320
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 31 11:51:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.833	139	482380	28.34	ppb	#	71
30) 2,4-Dimethylphenol	5.908	107	1059012	26.36	ppb		99
31) Benzoic Acid	6.042	105	848769m	41.53	ppb		
32) bis(2-Chloroethoxy)met...	5.967	93	1154861	23.74	ppb		98
33) 2,4-Dichlorophenol	6.063	162	722236	29.50	ppb		93
34) 2,6-Dichlorophenol	6.261	162	717618	28.83	ppb		98
35) 1,3,5-Trichlorobenzene	5.838	180	856299	27.72	ppb		98
36) 1,2,4-Trichlorobenzene	6.117	180	797507	28.07	ppb		95
37) 1,2,3-Trichlorobenzene	6.325	180	804978	27.43	ppb		98
38) Naphthalene	6.181	128	2738032	27.52	ppb		99
39) 4-Chloroaniline	6.256	127	1128940	26.95	ppb		99
40) 2,3-Dichloroaniline	7.208	161	922518	27.17	ppb		99
41) Caprolactam	6.614	55	373837	26.52	ppb		89
42) Hexachlorobutadiene	6.309	225	501838	31.29	ppb		98
43) 4-Chloro-3-methylphenol	6.785	107	1051696	28.24	ppb		96
44) 2-Methylnaphthalene	6.881	141	1554941	27.80	ppb		97
45) 1-Methylnaphthalene	6.988	141	1534575	26.74	ppb		98
46) Dimethylnaphthalene	7.609	156	1666179	26.88	ppb		97
48) Hexachlorocyclopentadiene	7.063	237	833497	47.93	ppb		98
49) 2,4,6-Trichlorophenol	7.224	196	528446	29.02	ppb		97
50) 2,4,5-Trichlorophenol	7.283	196	555041	28.96	ppb		99
52) 2-Chloronaphthalene	7.432	162	1665369	27.01	ppb		95
53) Biphenyl	7.422	154	2259649	26.60	ppb		99
54) 2-Nitroaniline	7.587	65	778195	28.64	ppb		98
55) Dimethylphthalate	7.834	163	1887631	27.36	ppb		99
56) Acenaphthylene	7.946	152	2693789	26.85	ppb		100
57) 2,6-Dinitrotoluene	7.903	165	437361	27.63	ppb		96
58) 3-Nitroaniline	8.122	138	473791	26.44	ppb		98
59) Acenaphthene	8.176	153	1683526	26.57	ppb		99
60) 2,4-Dinitrophenol	8.283	184	421190	45.96	ppb		94
61) 4-Nitrophenol	8.449	109	426371	29.27	ppb		91
62) Dibenzofuran	8.411	168	2366652	27.28	ppb		99
63) 2,4-Dinitrotoluene	8.454	165	625747	28.69	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.620	232	442445	27.78	ppb		95
65) Diethylphthalate	8.802	149	2042105	27.88	ppb		100
66) Fluorene	8.887	166	1926843	26.86	ppb		99
67) 4-Chlorophenyl-phenyle...	8.919	204	845760	26.86	ppb		97
68) 4-Nitroaniline	8.973	138	445400	25.49	ppb		86
70) 4,6-Dinitro-2-methylph...	9.037	198	301179	24.01	ppb		91
71) n-Nitrosodiphenylamine	9.101	169	1262293	26.02	ppb		98
72) 1,2-Diphenylhydrazine	9.144	77	2799869	24.91	ppb		99
74) 4-Bromophenyl-phenylether	9.625	248	495080	26.88	ppb		96
75) Hexachlorobenzene	9.706	284	591150	26.48	ppb		91
76) Pentachlorophenol	10.032	266	649479	54.06	ppb		99
77) Phenanthrene	10.299	178	2742923	26.06	ppb		98
78) Anthracene	10.374	178	2797834	26.54	ppb		99
79) Carbazole	10.668	167	2564338	24.80	ppb		99
80) Di-n-butylphthalate	11.315	149	3416950	27.65	ppb		98
81) Fluoranthene	12.150	202	2893247	26.04	ppb		95
82) Octadecane	10.267	57	1271996	25.83	ppb		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7543.D
Acq On : 30 May 2014 12:13 pm
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p320
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 31 11:51:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.492	202	3047575	25.72	ppb	93
85) Butyl stearate	13.872	56	818773	28.53	ppb	95
87) Butylbenzylphthalate	13.674	149	1526438	27.12	ppb	98
88) Benzo[a]anthracene	14.423	228	2782243	25.91	ppb	99
89) 3,3'-Dichlorobenzidine	14.444	252	1038403	28.46	ppb	98
90) Chrysene	14.477	228	2570184	26.01	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.658	149	2100607	27.55	ppb	97
93) Di-n-octylphthalate	15.643	149	3615020	28.71	ppb	97
94) Benzo[b]fluoranthene	16.038	252	2829505	26.86	ppb	96
95) Benzo[k]fluoranthene	16.076	252	2672865	27.54	ppb	99
96) Benzo[a]pyrene	16.472	252	2430700	26.84	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.857	276	2525684	27.06	ppb	96
98) Dibenz(a,h)acridine	17.622	279	2269141	27.51	ppb	99
99) Dibenz[a,h]anthracene	17.878	278	2517551	28.13	ppb	99
100) 7,12-Dimethylbenz(a)an...	16.033	256	1243093	20.19	ppb	99
101) Benzo[g,h,i]perylene	18.146	276	2373242	26.58	ppb	97

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

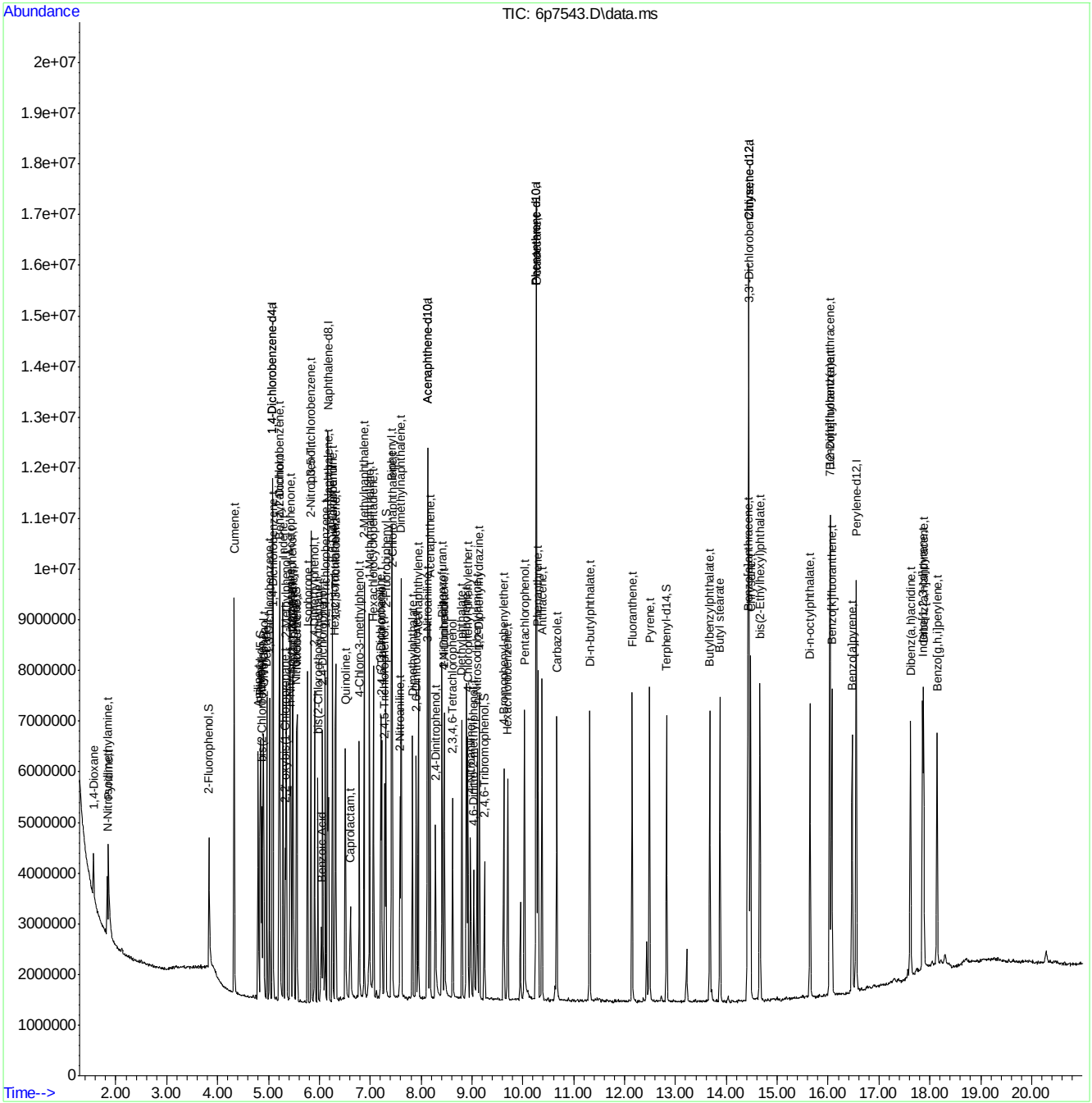
9.6.53

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7543.D
Acq On : 30 May 2014 12:13 pm
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p320
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 31 11:51:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration



Manual Integration Approval Summary

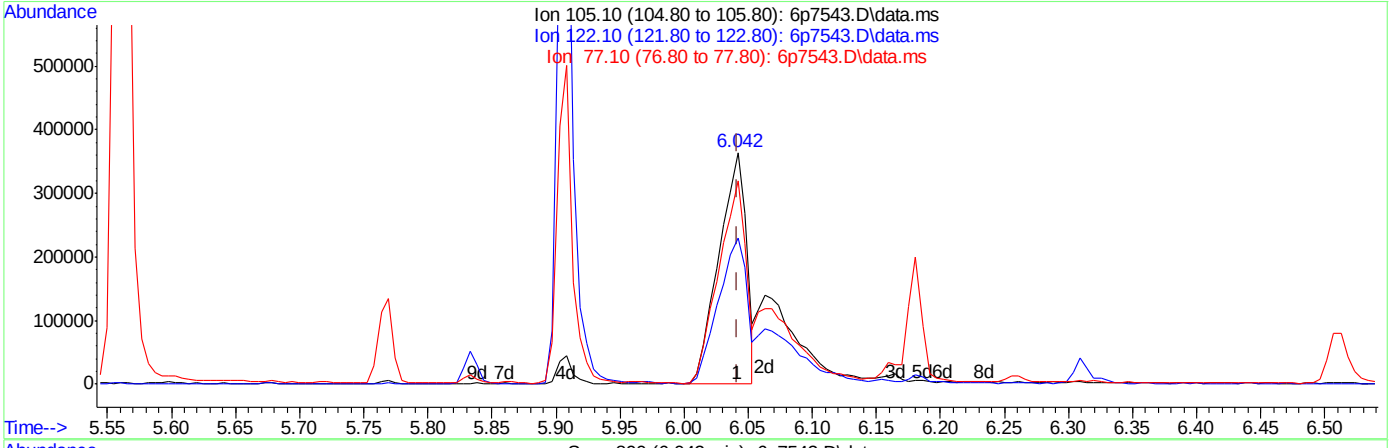
Sample Number:	E6P320-CC277	**Method:**	SW846 8270D
Lab FileID:	6P7543.D	**Analyst approved:**	05/31/14 12:46 Andrew Lee Smith
Injection Time:	05/30/14 12:13	**Supervisor approved:**	06/02/14 14:20 Nina Pandya

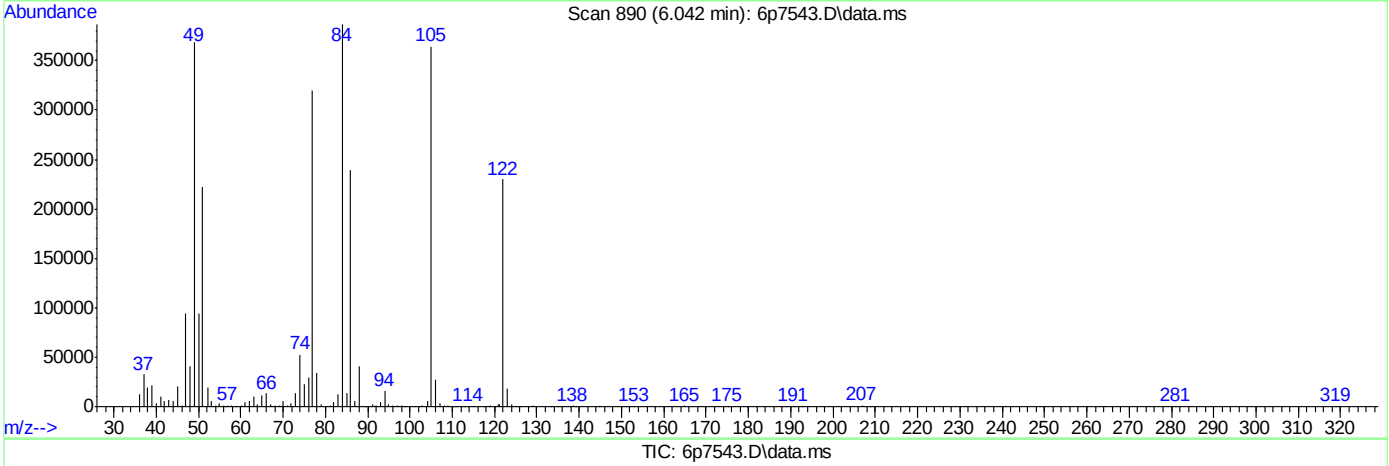
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		6.04	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7543.D
Acq On : 30 May 2014 12:13 pm
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p320
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 12:42:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration





TIC: 6p7543.D\data.ms

(31) Benzoic Acid

6.042min (0.000) 26.11ppb

response 533762

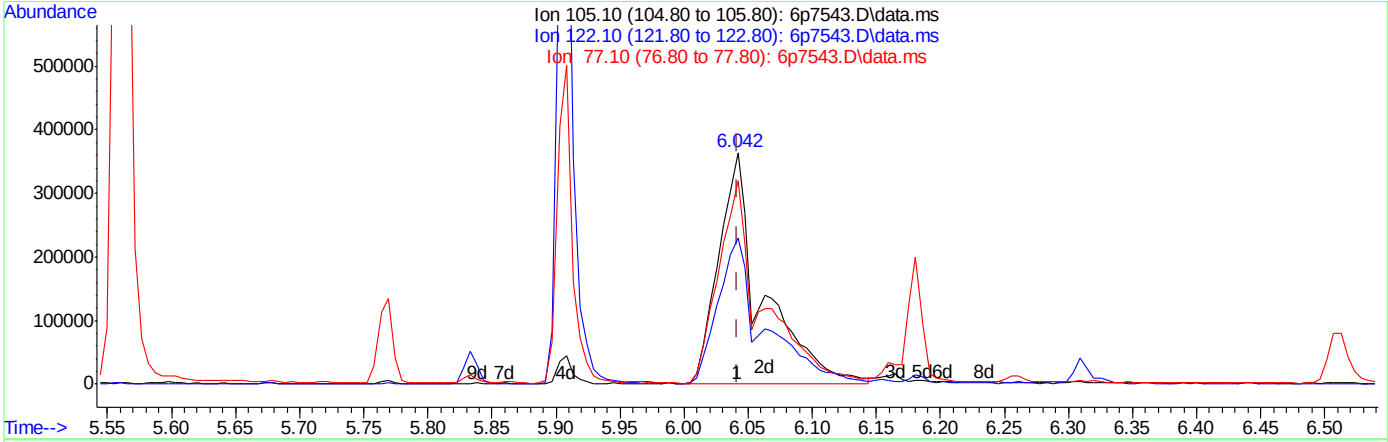
Ion	Exp%	Act%
105.10	100	100
122.10	25.10	65.22#
77.10	34.70	87.71#
0.00	0.00	0.00

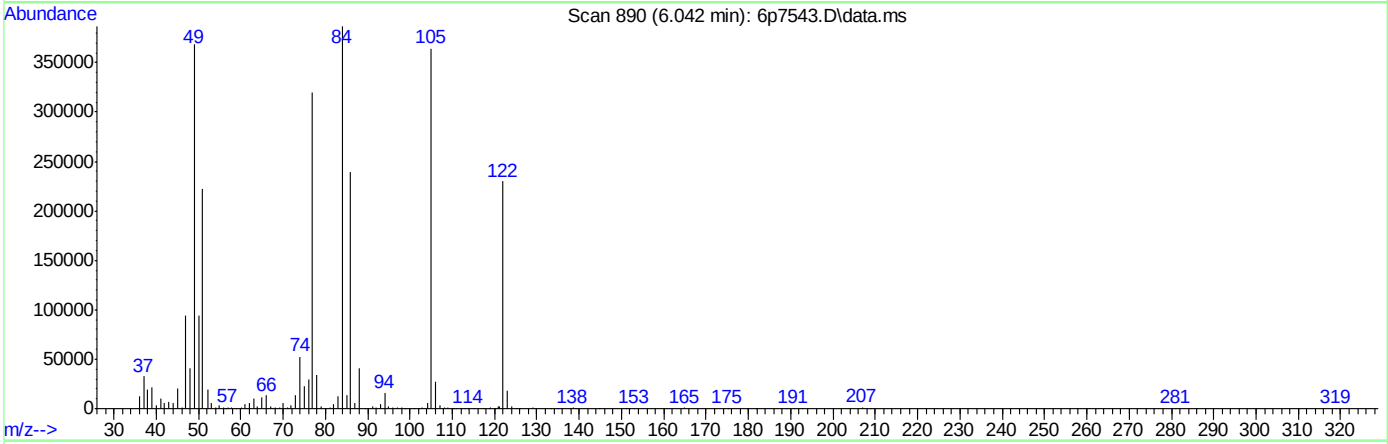
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7543.D
Acq On : 30 May 2014 12:13 pm
Operator : ashleyv
Sample : cc277-25
Misc : op74494,e6p320
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 12:42:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration





TIC: 6p7543.D\data.ms

(31) Benzoic Acid

6.042min (0.000) 41.53ppb m

response 848769

Ion	Exp%	Act%
105.10	100	100
122.10	25.10	41.02
77.10	34.70	55.16#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7544.D
Acq On : 30 May 2014 12:48 pm
Operator : ashleyv
Sample : cc276-25
Misc : op74494,e6p320
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 11:54:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration

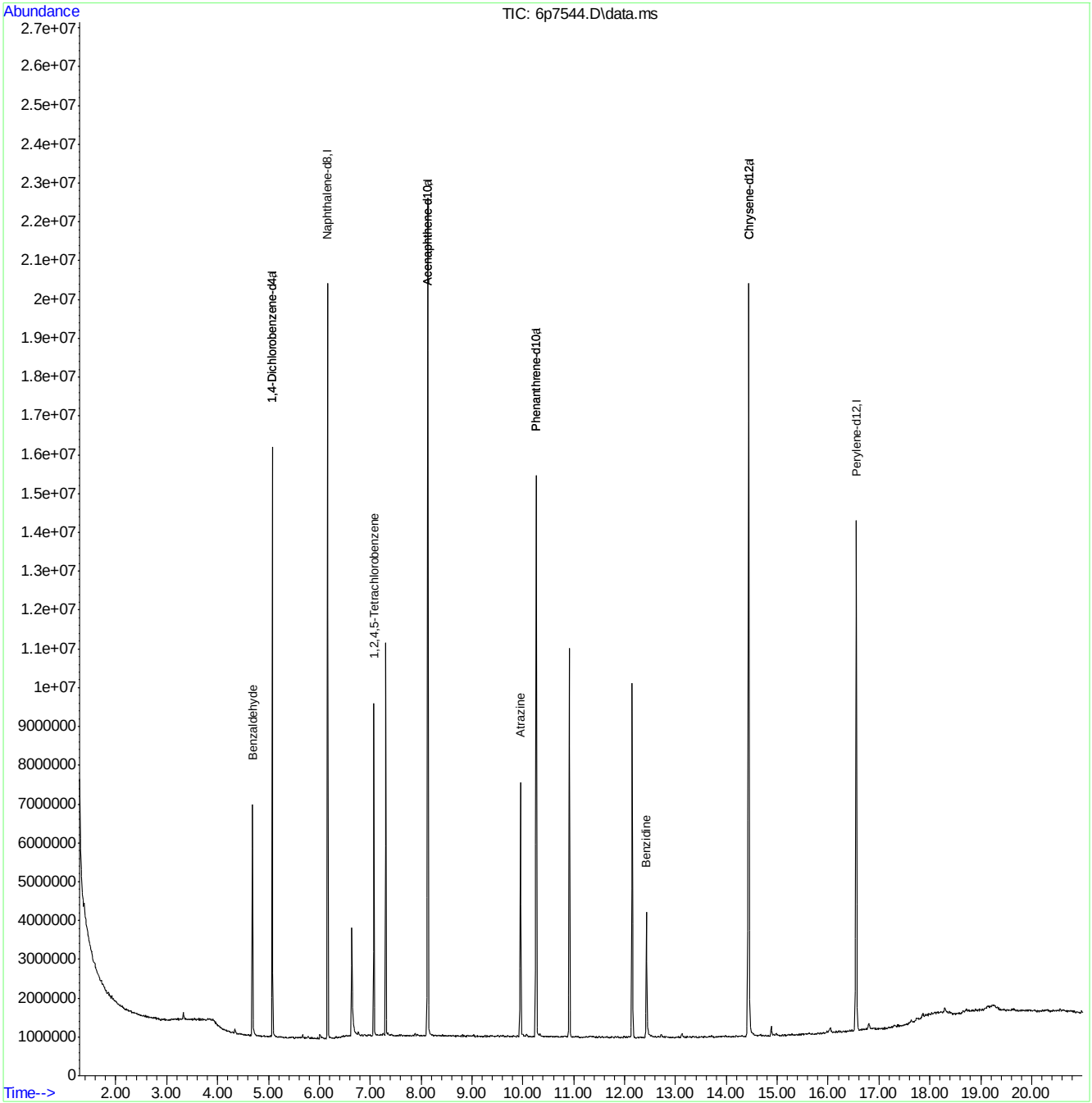
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.074	152	1512128	40.00	ppb	-0.08
24) Naphthalene-d8	6.160	136	5988824	40.00	ppb	-0.09
47) Acenaphthene-d10	8.133	164	3534100	40.00	ppb	-0.10
69) Phenanthrene-d10	10.262	188	5804562	40.00	ppb	-0.12
83) Chrysene-d12	14.439	240	6414397	40.00	ppb	-0.12
92) Perylene-d12	16.557	264	5861993	40.00	ppb	-0.12
102) 1,4-Dichlorobenzene-d4a	5.074	152	1512128	40.00	ppb	-0.08
104) Phenanthrene-d10a	10.262	188	5804562	40.00	ppb	-0.12
106) Chrysene-d12a	14.439	240	6414397	40.00	ppb	-0.12
108) Acenaphthene-d10a	8.133	164	3534100	40.00	ppb	-0.10
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	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	4.683	105	1027722	19.01	ppb	91
105) Atrazine	9.957	215	400089	24.03	ppb #	78
107) Benzidine	12.433	184	1415669	14.43	ppb	97
109) 1,2,4,5-Tetrachloroben...	7.074	216	1130144	23.88	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p320\
Data File : 6p7544.D
Acq On : 30 May 2014 12:48 pm
Operator : ashleyv
Sample : cc276-25
Misc : op74494,e6p320
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 31 11:54:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 12:42:28 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
06/03/14 13:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:58:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.052	152	1244559	40.00	ppb	-0.04
24) Naphthalene-d8	6.138	136	4858009	40.00	ppb	-0.04
47) Acenaphthene-d10	8.106	164	2869164	40.00	ppb	-0.05
69) Phenanthrene-d10	10.235	188	4943346	40.00	ppb	-0.05
83) Chrysene-d12	14.412	240	5283713	40.00	ppb	-0.05
92) Perylene-d12	16.530	264	4339536	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	5.052	152	1244559	40.00	ppb	-0.04
104) Phenanthrene-d10a	10.235	188	4943346	40.00	ppb	-0.05
106) Chrysene-d12a	14.412	240	5283713	40.00	ppb	-0.05
108) Acenaphthene-d10a	8.106	164	2869164	40.00	ppb	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.806	112	2229106	49.71	ppb	-0.04
Spiked Amount 50.000			Recovery = 99.42%			
8) Phenol-d5	4.822	99	3110274	48.51	ppb	-0.03
Spiked Amount 50.000			Recovery = 97.02%			
25) Nitrobenzene-d5	5.528	82	3045063	47.47	ppb	-0.03
Spiked Amount 50.000			Recovery = 94.94%			
51) 2-Fluorobiphenyl	7.283	172	4707023	55.84	ppb	-0.04
Spiked Amount 50.000			Recovery = 111.68%			
73) 2,4,6-Tribromophenol	9.219	330	738160	57.70	ppb	-0.05
Spiked Amount 50.000			Recovery = 115.40%			
86) Terphenyl-d14	12.797	244	5339710	52.04	ppb	-0.05
Spiked Amount 50.000			Recovery = 104.08%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.533	88	1003779m	46.56	ppb	
3) Pyridine	1.827	79	2625667	46.55	ppb	82
4) N-Nitrosodimethylamine	1.806	74	1486766	44.92	ppb	74
6) Indene	5.266	116	4299272	51.62	ppb	97
7) Cumene	4.298	105	6770526	51.23	ppb	99
9) Phenol	4.833	94	3507672	47.34	ppb	94
10) Aniline	4.774	93	3272449	40.03	ppb	95
11) bis(2-Chloroethyl)ether	4.849	93	2386227	45.92	ppb	96
12) 2-Chlorophenol	4.886	128	2351219	55.38	ppb	97
13) Decane	4.945	43	1877240	59.89	ppb	80
14) 1,3-Dichlorobenzene	5.004	146	2540926	56.38	ppb	96
15) 1,4-Dichlorobenzene	5.068	146	2559176	56.49	ppb	98
16) Benzyl alcohol	5.207	108	1668325	53.42	ppb	90
17) 1,2-Dichlorobenzene	5.197	146	2436166	57.55	ppb	97
18) Acetophenone	5.405	105	3893527	49.86	ppb	88
19) 2-Methylphenol	5.330	108	2269299	52.26	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.309	121	742707	49.88	ppb #	75
21) 3&4-Methylphenol	5.459	108	2494489	53.46	ppb	99
22) n-Nitroso-di-n-propyla...	5.427	70	2013646	48.00	ppb	90
23) Hexachloroethane	5.464	201	922451	60.53	ppb	98
26) Nitrobenzene	5.544	77	3348390	50.77	ppb	93
27) Quinoline	6.486	129	4408975	51.84	ppb	99
28) Isophorone	5.748	82	5285472	48.39	ppb	94

Quantitation Report (QT Reviewed)

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Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:58:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.812	139	1223384	58.07	ppb	80
30) 2,4-Dimethylphenol	5.887	107	2596388	52.21	ppb	98
31) Benzoic Acid	6.047	105	1934131m	76.45	ppb	
32) bis(2-Chloroethoxy)met...	5.945	93	2775995	46.10	ppb	98
33) 2,4-Dichlorophenol	6.042	162	1819087	60.04	ppb	97
34) 2,6-Dichlorophenol	6.240	162	1826392	59.29	ppb	97
35) 1,3,5-Trichlorobenzene	5.817	180	2208133	57.76	ppb	99
36) 1,2,4-Trichlorobenzene	6.095	180	2009500	57.15	ppb	97
37) 1,2,3-Trichlorobenzene	6.298	180	2035382	56.04	ppb	97
38) Naphthalene	6.159	128	6583121	53.47	ppb	98
39) 4-Chloroaniline	6.234	127	2687718	51.83	ppb	94
40) 2,3-Dichloroaniline	7.181	161	2268510	53.98	ppb	97
41) Caprolactam	6.619	55	838995	48.08	ppb	90
42) Hexachlorobutadiene	6.282	225	1275066	64.23	ppb	96
43) 4-Chloro-3-methylphenol	6.764	107	2493430	54.09	ppb	99
44) 2-Methylnaphthalene	6.855	141	3834482	55.39	ppb	98
45) 1-Methylnaphthalene	6.962	141	3885657	54.70	ppb	99
46) Dimethylnaphthalene	7.588	156	4139255	53.96	ppb	99
48) Hexachlorocyclopentadiene	7.037	237	2297920	107.99	ppb	100
49) 2,4,6-Trichlorophenol	7.202	196	1310908	58.84	ppb	97
50) 2,4,5-Trichlorophenol	7.267	196	1375933	58.68	ppb	98
52) 2-Chloronaphthalene	7.411	162	4216936	55.89	ppb	100
53) Biphenyl	7.395	154	5663784	54.48	ppb	99
54) 2-Nitroaniline	7.566	65	1808709	54.41	ppb	95
55) Dimethylphthalate	7.801	163	4674935	55.38	ppb	99
56) Acenaphthylene	7.919	152	6763713	55.10	ppb	99
57) 2,6-Dinitrotoluene	7.882	165	1087480	56.15	ppb	96
58) 3-Nitroaniline	8.096	138	1175431	53.60	ppb	98
59) Acenaphthene	8.149	153	4221883	54.46	ppb	100
60) 2,4-Dinitrophenol	8.267	184	1151424	102.70	ppb	95
61) 4-Nitrophenol	8.427	109	945743	53.07	ppb	85
62) Dibenzofuran	8.384	168	5901313	55.60	ppb	100
63) 2,4-Dinitrotoluene	8.433	165	1552368	58.18	ppb	90
64) 2,3,4,6-Tetrachlorophenol	8.593	232	1114795	57.20	ppb	97
65) Diethylphthalate	8.775	149	4856028	54.19	ppb	99
66) Fluorene	8.861	166	4813866	54.84	ppb	99
67) 4-Chlorophenyl-phenyle...	8.887	204	2180211	56.59	ppb	98
68) 4-Nitroaniline	8.951	138	1106518	51.75	ppb	90
70) 4,6-Dinitro-2-methylph...	9.021	198	832529	52.74	ppb	97
71) n-Nitrosodiphenylamine	9.074	169	3194291	52.32	ppb	99
72) 1,2-Diphenylhydrazine	9.117	77	6441486	45.54	ppb	96
74) 4-Bromophenyl-phenylether	9.593	248	1288017	55.56	ppb	97
75) Hexachlorobenzene	9.679	284	1539101	54.78	ppb	97
76) Pentachlorophenol	10.005	266	1693974	112.04	ppb	98
77) Phenanthrene	10.273	178	6893727	52.04	ppb	99
78) Anthracene	10.347	178	6920370	52.16	ppb	99
79) Carbazole	10.642	167	6495840	49.92	ppb	99
80) Di-n-butylphthalate	11.278	149	8186019	52.62	ppb	99
81) Fluoranthene	12.123	202	7430478	53.14	ppb	95
82) Octadecane	10.235	57	2940784	47.46	ppb	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
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Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:58:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.465	202	7793594	50.26	ppb	94
85) Butyl stearate	13.840	56	1987055	52.91	ppb	94
87) Butylbenzylphthalate	13.642	149	3737219	50.75	ppb	97
88) Benzo[a]anthracene	14.396	228	7209183	51.30	ppb	99
89) 3,3'-Dichlorobenzidine	14.418	252	2719936	56.96	ppb	98
90) Chrysene	14.455	228	6617984	51.17	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.626	149	5221258	52.32	ppb	99
93) Di-n-octylphthalate	15.616	149	8987372	58.01	ppb	98
94) Benzo[b]fluoranthene	16.022	252	7674430	59.20	ppb	94
95) Benzo[k]fluoranthene	16.060	252	6836619	57.25	ppb	99
96) Benzo[a]pyrene	16.456	252	6209147	55.72	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.846	276	7337046m	63.88	ppb	
98) Dibenz(a,h)acridine	17.606	279	5877358	57.90	ppb	99
99) Dibenz[a,h]anthracene	17.868	278	6903178	62.68	ppb	98
100) 7,12-Dimethylbenz(a)an...	16.012	256	3392792	46.77	ppb	99
101) Benzo[g,h,i]perylene	18.130	276	6391419	58.17	ppb	98

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

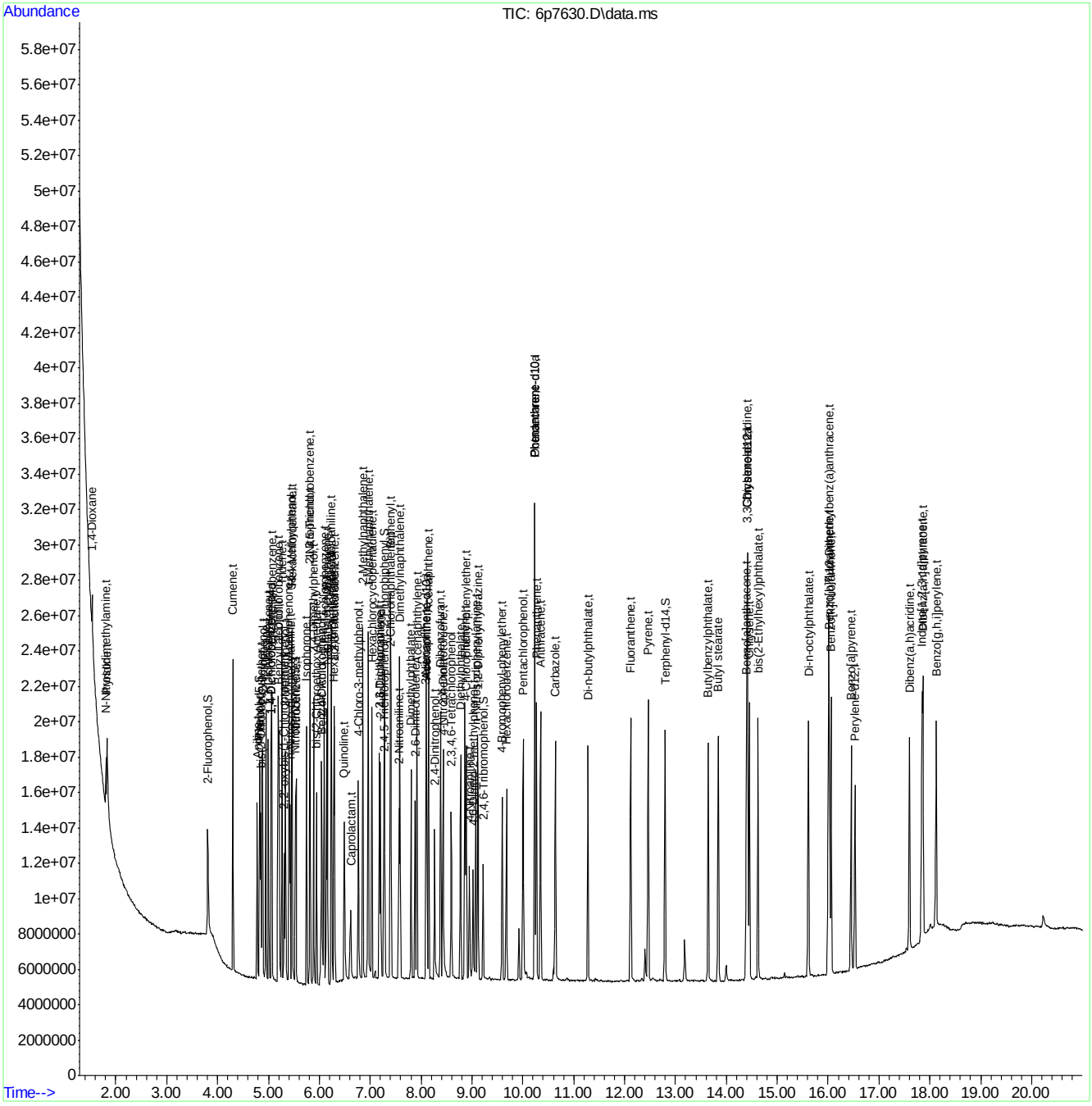
9.6.55

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:58:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration



Manual Integration Approval Summary

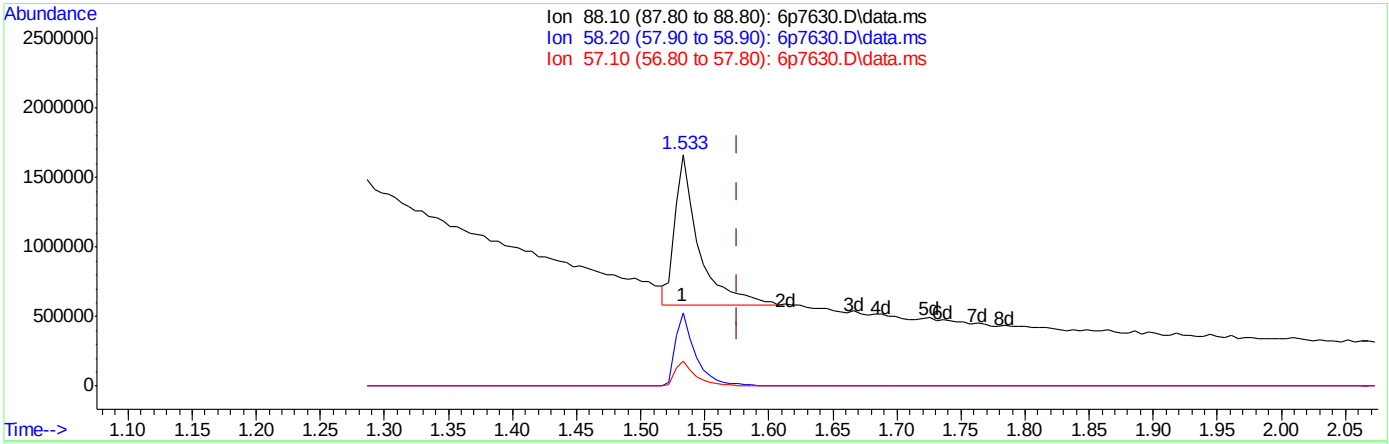
Sample Number: E6P323-CC277
Lab FileID: 6P7630.D
Injection Time: 06/02/14 09:34
Method: SW846 8270D
Analyst approved: 06/03/14 12:32 Ashley Royal
Supervisor approved: 06/03/14 13:30 Cheng-Hwan Ao

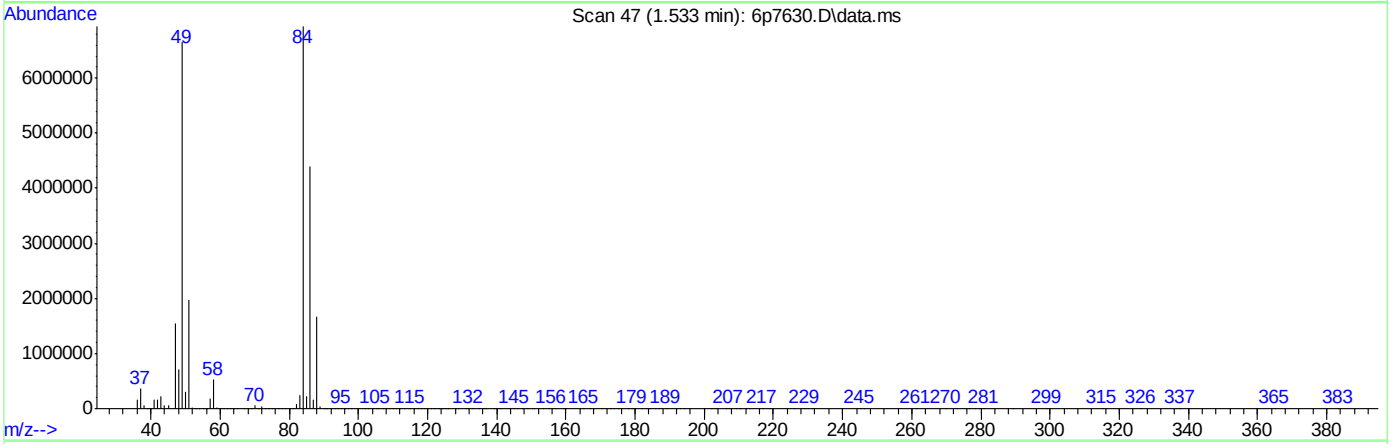
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.53	Poor instrument integration
Benzoic Acid	65-85-0		6.05	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		17.85	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 10:00:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration





TIC: 6p7630.D\data.ms

(2) 1,4-Dioxane

1.533min (-0.043) 64.47ppb

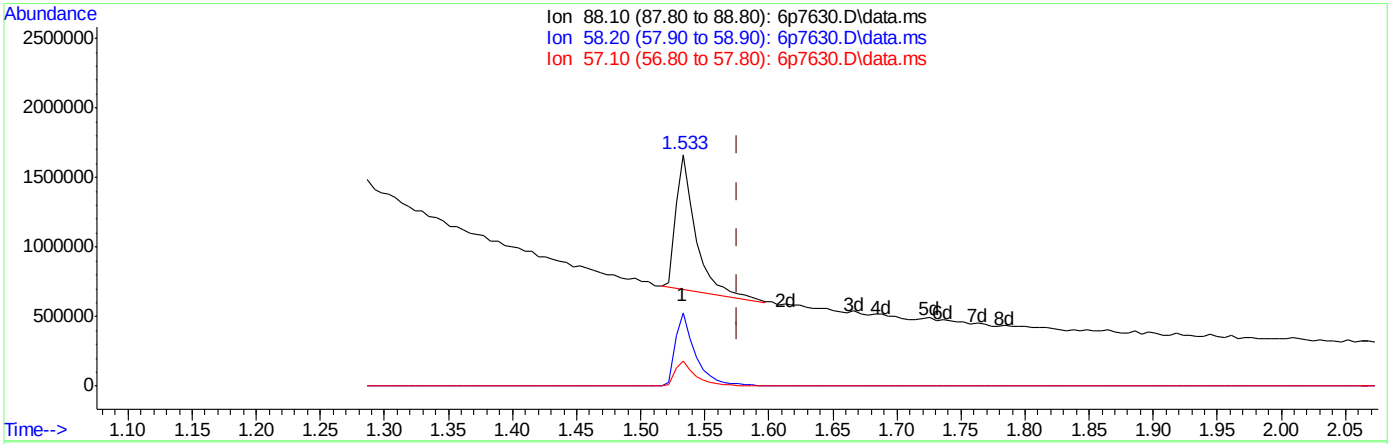
response 1389814

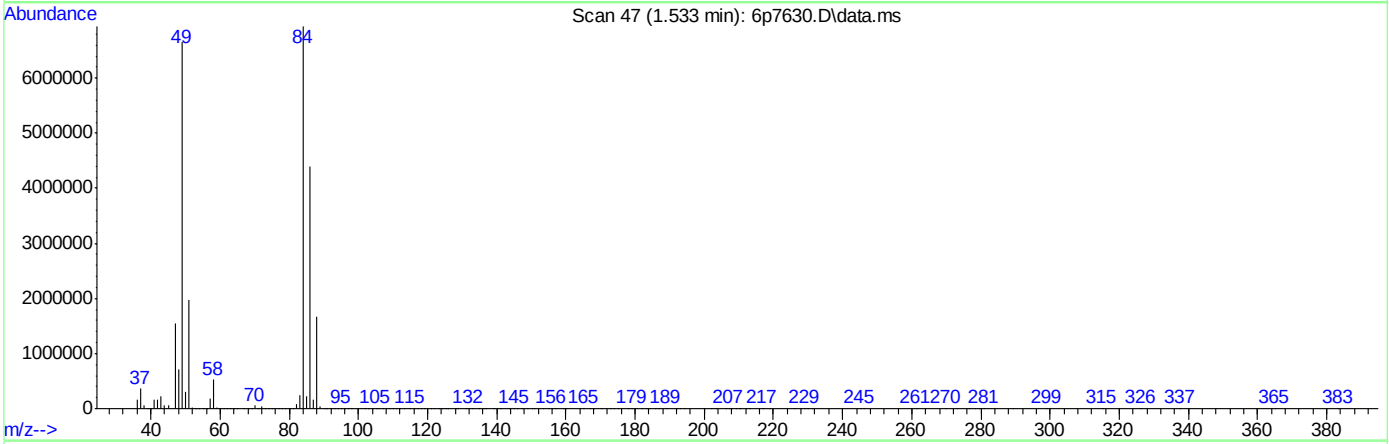
Ion	Exp%	Act%
88.10	100	100
58.20	49.80	41.60
57.10	16.70	14.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 10:00:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration





TIC: 6p7630.D\data.ms

(2) 1,4-Dioxane

1.533min (-0.043) 46.56ppb m

response 1003779

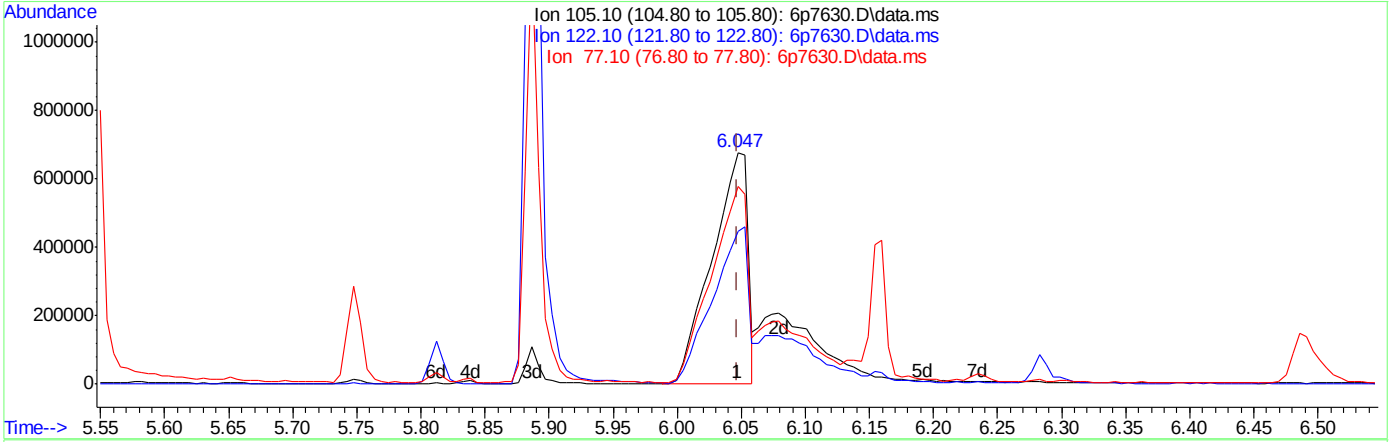
Ion	Exp%	Act%
88.10	100	100
58.20	49.80	57.60
57.10	16.70	19.46
0.00	0.00	0.00

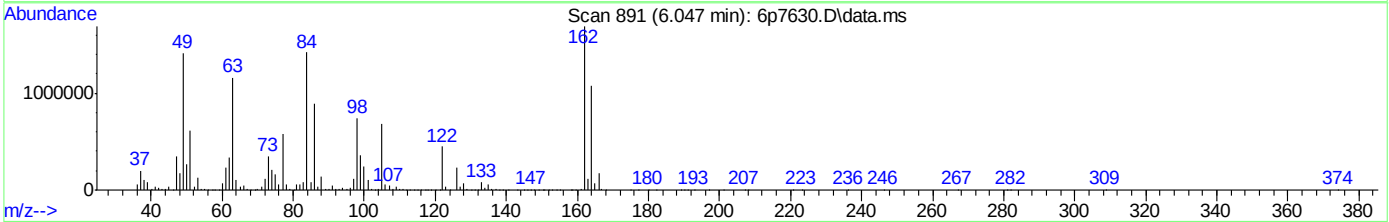
ACCUTEST LABORATORIES JB67744

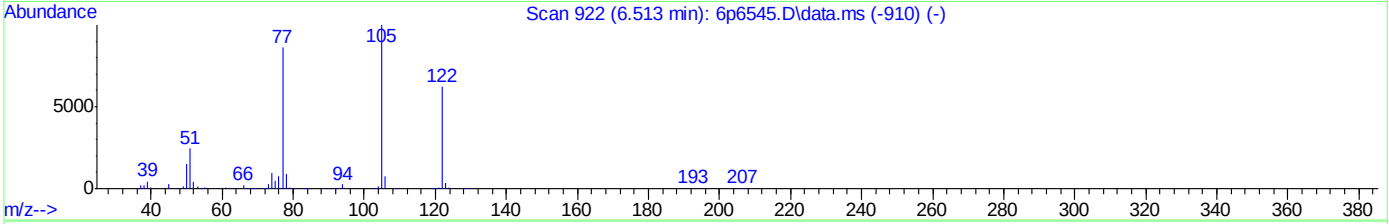
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 02 10:00:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Fri May 30 14:18:06 2014
Response via : Initial Calibration







TIC: 6p7630.D\data.ms

(31) Benzoic Acid

6.047min (+0.000) 51.37ppb

response 1299635

Ion	Exp%	Act%
105.10	100	100
122.10	25.10	69.61#
77.10	34.70	85.64#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
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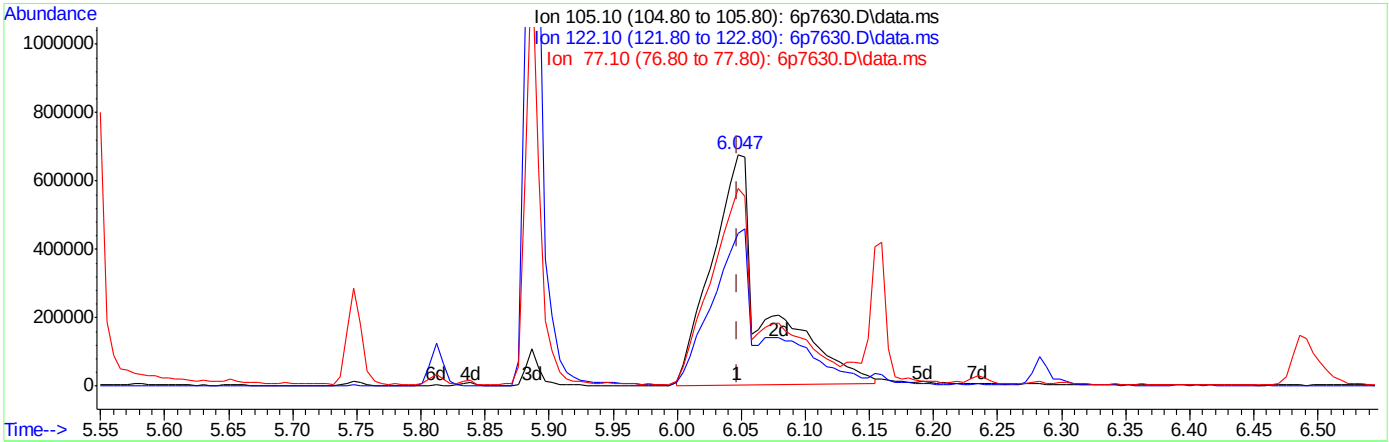

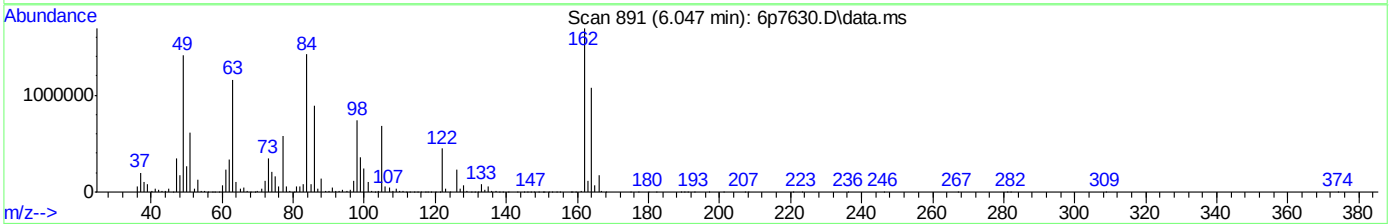

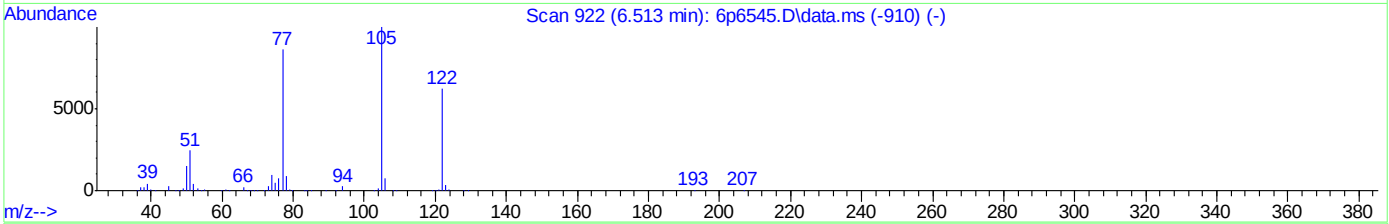

TIC: 6p7630.D\data.ms

(31) Benzoic Acid

6.047min (+0.000) 76.45ppb m

response 1934131

Ion	Exp%	Act%
105.10	100	100
122.10	25.10	46.77#
77.10	34.70	57.55#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

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QLast Update : Fri May 30 14:18:06 2014
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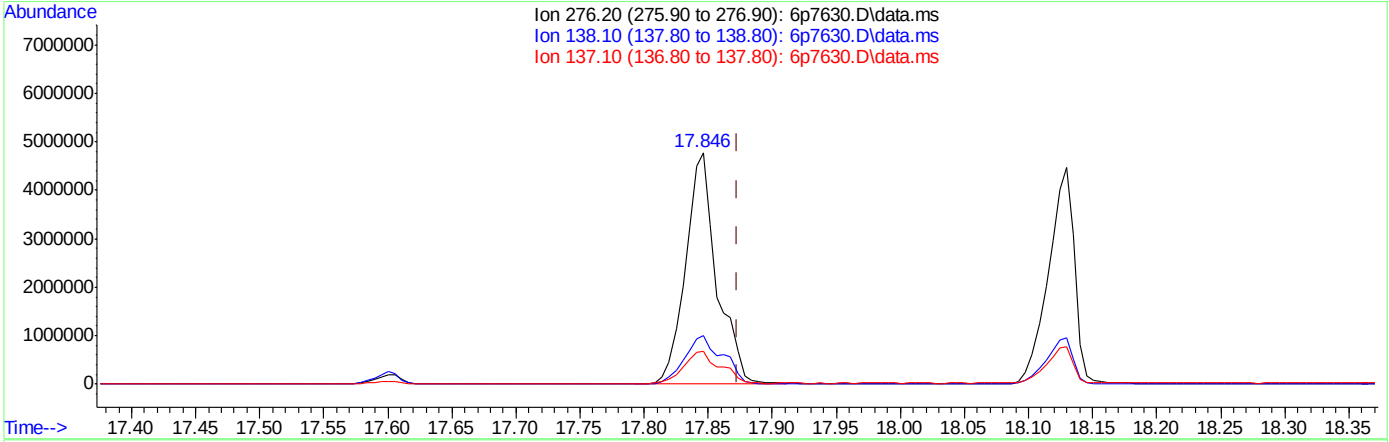

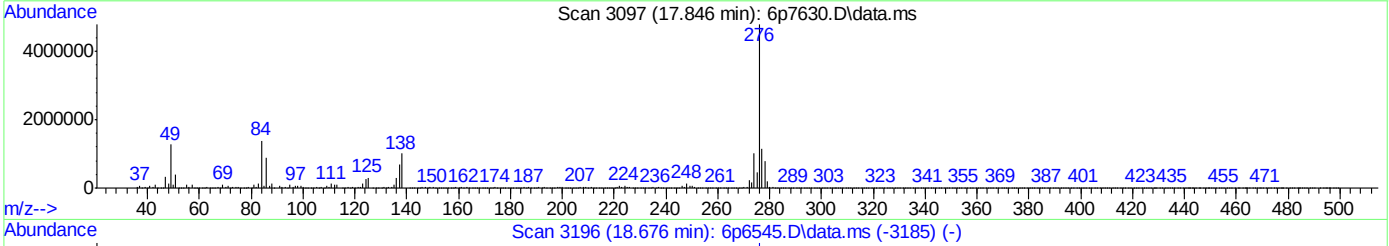

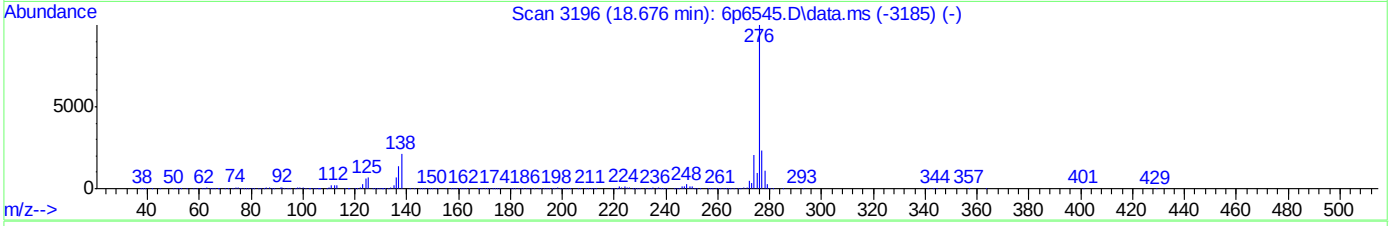

TIC: 6p7630.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.846min (-0.027) 70.59ppb

response 8108478

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	20.97
137.10	11.90	13.71
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

6P7630.D edits: Indeno[1,2,3-cd]pyrene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7630.D
Acq On : 2 Jun 2014 9:34 am
Operator : ashleyv
Sample : cc277-50
Misc : op74494,e6p323
ALS Vial : 2 Sample Multiplier: 1

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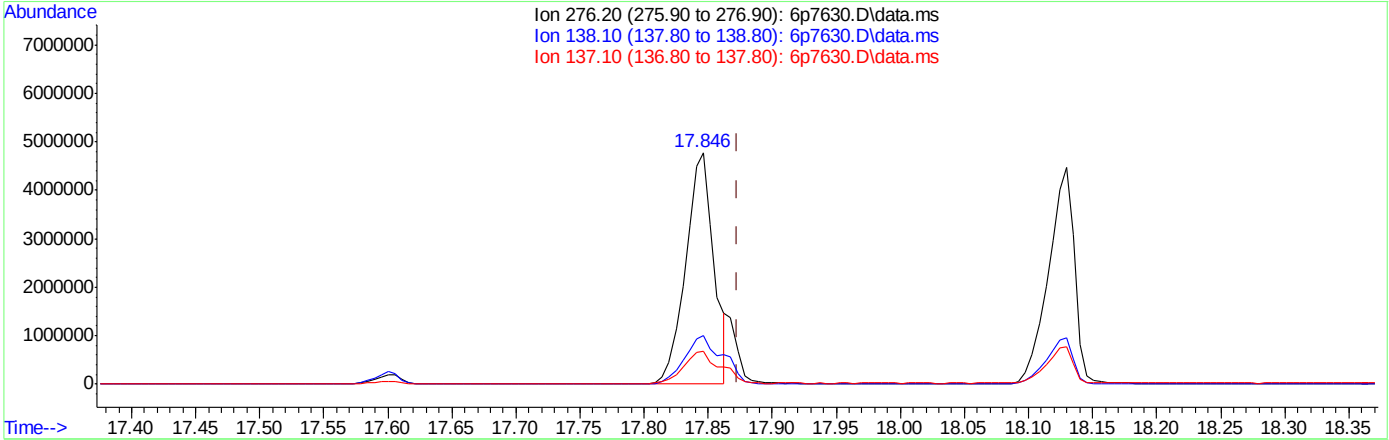
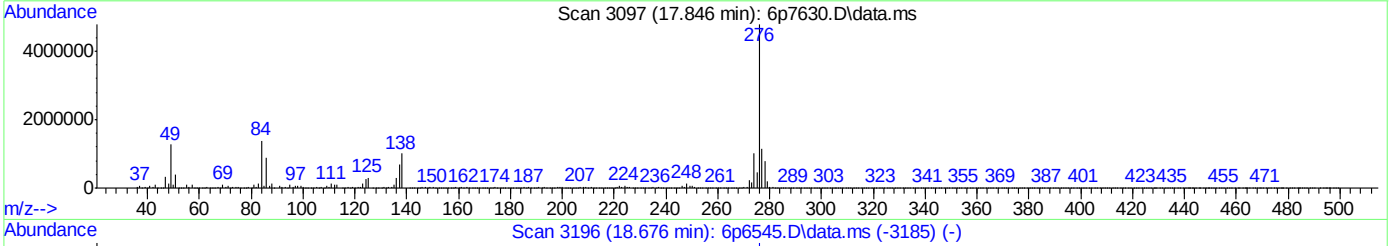
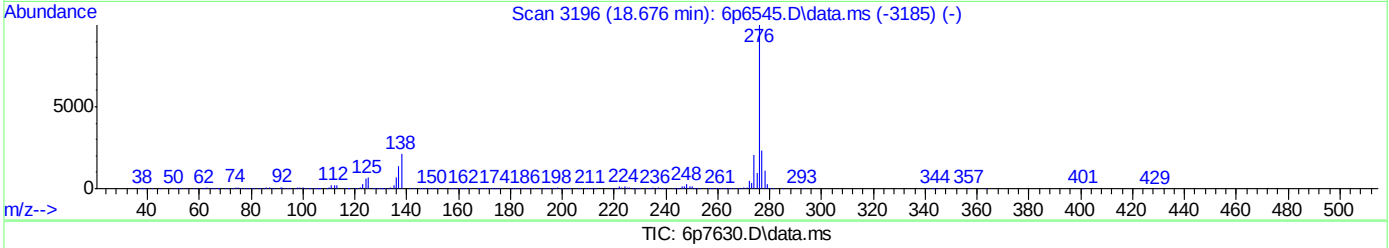
Response via : Initial Calibration







TIC: 6p7630.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

17.846min (-0.027) 63.88ppb m

response 7337046

Ion	Exp%	Act%
276.20	100	100
138.10	17.00	21.08
137.10	11.90	14.08
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7631.D
Acq On : 2 Jun 2014 10:07 am
Operator : ashleyv
Sample : cc276-50
Misc : op74494,e6p323
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 12:01:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 12:00:33 2014
Response via : Initial Calibration

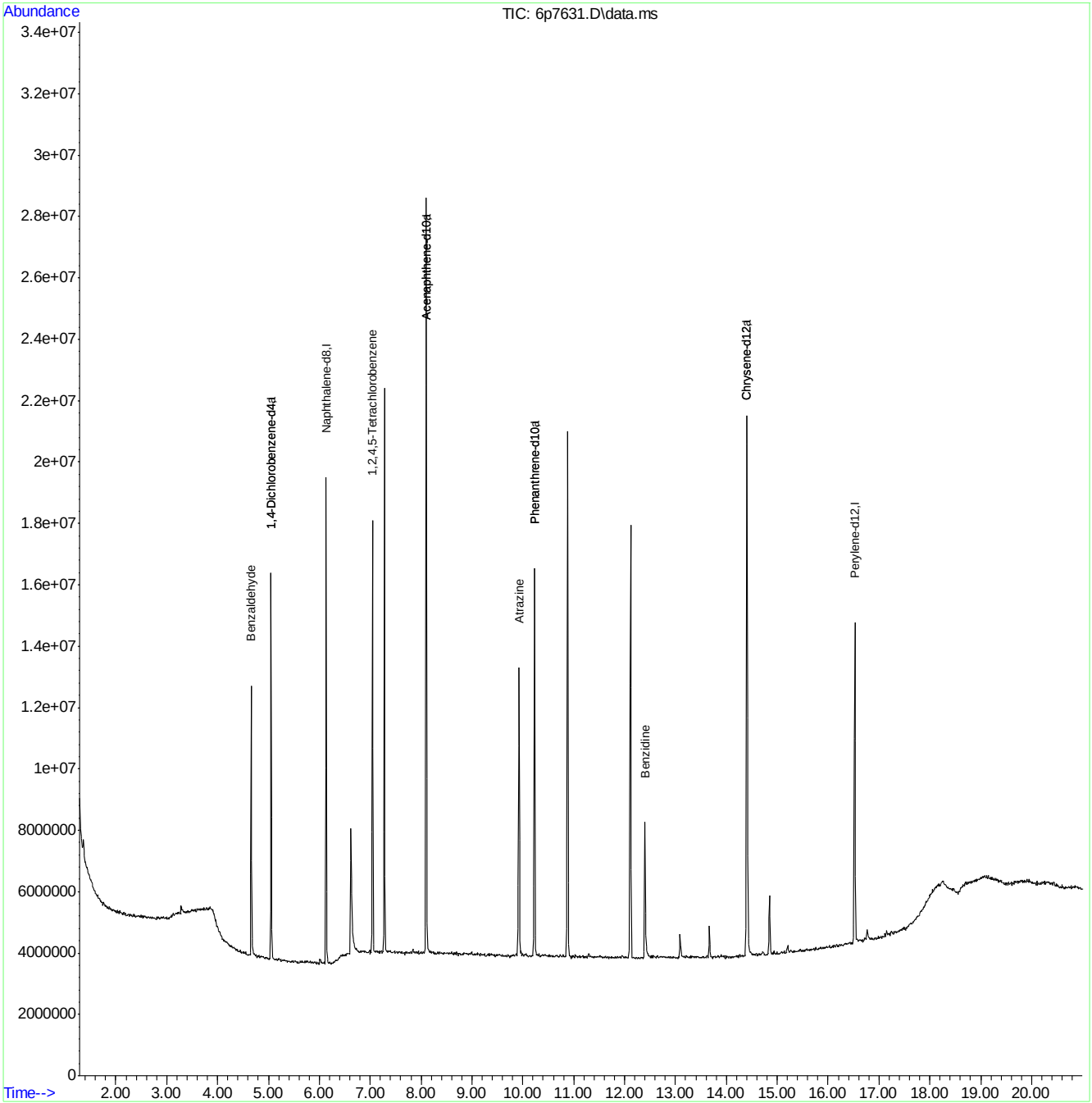
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.052	152	1322230	40.00	ppb	0.00
24) Naphthalene-d8	6.133	136	5045890	40.00	ppb	0.00
47) Acenaphthene-d10	8.106	164	3101030	40.00	ppb	0.00
69) Phenanthrene-d10	10.230	188	4972561	40.00	ppb	0.00
83) Chrysene-d12	14.402	240	5410564	40.00	ppb	0.00
92) Perylene-d12	16.525	264	4620216	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.052	152	1322230	40.00	ppb	0.00
104) Phenanthrene-d10a	10.230	188	4972561	40.00	ppb	0.00
106) Chrysene-d12a	14.402	240	5410564	40.00	ppb	0.00
108) Acenaphthene-d10a	8.106	164	3101030	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	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	4.656	105	1568104	33.18	ppb	89
105) Atrazine	9.930	215	694119	48.67	ppb	79
107) Benzidine	12.401	184	2206476	26.67	ppb	98
109) 1,2,4,5-Tetrachloroben...	7.047	216	1986569	47.85	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\e6p323\
Data File : 6p7631.D
Acq On : 2 Jun 2014 10:07 am
Operator : ashleyv
Sample : cc276-50
Misc : op74494,e6p323
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 12:01:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M6P277.M
Quant Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
QLast Update : Tue Jun 03 12:00:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.579	152	389699	40.00	ppb	0.00
24) Naphthalene-d8	5.690	136	1449196	40.00	ppb	0.00
47) Acenaphthene-d10	7.987	164	837488	40.00	ppb	0.00
69) Phenanthrene-d10	10.583	188	1380409	40.00	ppb	0.00
83) Chrysene-d12	15.738	240	1367119	40.00	ppb	0.00
92) Perylene-d12	18.345	264	1210520	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.579	152	389699	40.00	ppb	0.00
104) Acenaphthene-d10a	7.987	164	837488	40.00	ppb	0.00
107) Chrysene-d12a	15.738	240	1367119	40.00	ppb	0.00
110) Phenanthrene-d10a	10.583	188	1380409	40.00	ppb	0.00
112) Naphthalene-d8a	5.690	136	1449196	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.612	112	1340535	100.61	ppb	0.00
Spiked Amount 50.000			Recovery = 201.22%			
8) Phenol-d5	4.338	99	1499079	94.69	ppb	0.00
Spiked Amount 50.000			Recovery = 189.38%			
25) Nitrobenzene-d5	5.027	82	1421072	96.08	ppb	0.00
Spiked Amount 50.000			Recovery = 192.16%			
51) 2-Fluorobiphenyl	6.993	172	2586229	99.87	ppb	0.00
Spiked Amount 50.000			Recovery = 199.74%			
73) 2,4,6-Tribromophenol	9.333	330	329264	102.50	ppb	0.00
Spiked Amount 50.000			Recovery = 205.00%			
86) Terphenyl-d14	13.751	244	2829491	102.83	ppb	0.00
Spiked Amount 50.000			Recovery = 205.66%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.095	88	673461	101.57	ppb	100
3) Pyridine	2.431	79	1760289	110.29	ppb	100
4) N-Nitrosodimethylamine	2.399	42	580014	98.58	ppb	100
6) Indene	4.782	116	2477310	108.02	ppb	100
7) Cumene	3.986	105	3628639	105.59	ppb	100
9) Phenol	4.349	94	1797452	99.17	ppb	100
10) Aniline	4.338	93	1719788	88.38	ppb	100
11) bis(2-Chloroethyl)ether	4.386	93	1264140	96.74	ppb	100
12) 2-Chlorophenol	4.434	128	1361054	99.56	ppb	100
13) Decane	4.466	43	1083274	97.13	ppb	100
14) 1,3-Dichlorobenzene	4.541	146	1422304	101.85	ppb	100
15) 1,4-Dichlorobenzene	4.595	146	1426261	97.42	ppb	100
16) Benzyl alcohol	4.696	108	852926	94.96	ppb	100
17) 1,2-Dichlorobenzene	4.712	146	1310725	96.21	ppb	100
18) Acetophenone	4.905	105	2012778	103.99	ppb	100
19) 2-Methylphenol	4.798	108	1163063	93.69	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.792	121	372948	92.76	ppb	100
21) 3&4-Methylphenol	4.921	108	1299319	104.93	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.910	70	824547	90.13	ppb	100
23) Hexachloroethane	4.985	201	500588	103.08	ppb	100
26) Nitrobenzene	5.043	77	1504116	101.11	ppb	100
27) Quinoline	6.085	129	3017400	108.58	ppb	100
28) Isophorone	5.252	82	2548488	100.72	ppb	100
29) 2-Nitrophenol	5.321	139	702522	103.44	ppb	100
30) 2,4-Dimethylphenol	5.375	107	1332421	112.37	ppb	100
31) Benzoic acid	5.540	105	1053231	115.93	ppb	100
32) bis(2-Chloroethoxy)met...	5.444	93	1469893	98.74	ppb	100
33) 2,4-Dichlorophenol	5.562	162	1048535	101.48	ppb	100
34) 2,6-Dichlorophenol	5.786	162	1015993	102.20	ppb	100
35) 1,3,5-Trichlorobenzene	5.332	180	1298126	102.88	ppb	100
36) 1,2,4-Trichlorobenzene	5.631	180	1133861	97.94	ppb	100
37) 1,2,3-Trichlorobenzene	5.866	180	1258399	105.63	ppb	100
38) Naphthalene	5.711	128	3803796	99.56	ppb	100
39) 4-Chloroaniline	5.775	127	1520772	98.78	ppb	100
40) 2,3-Dichloroaniline	6.870	161	1455997	109.59	ppb	100
41) Caprolactam	6.203	55	620986	107.55	ppb	100
42) Hexachlorobutadiene	5.845	225	629020	100.70	ppb	100
43) 4-Chloro-3-methylphenol	6.352	107	1219584	104.08	ppb	100
44) 2-Methylnaphthalene	6.497	141	2061547	100.17	ppb	100
45) 1-Methylnaphthalene	6.625	142	2657926	108.19	ppb	100
46) Dimethylnaphthalene	7.362	156	2473796	106.63	ppb	100
48) Hexachlorocyclopentadiene	6.710	237	1511120	250.04	ppb	100
49) 2,4,6-Trichlorophenol	6.892	196	768938	103.00	ppb	100
50) 2,4,5-Trichlorophenol	6.951	196	857895	104.48	ppb	100
52) 2-Chloronaphthalene	7.154	162	2286861	101.16	ppb	100
53) Biphenyl	7.132	154	3345637	105.76	ppb	100
54) 2-Nitroaniline	7.319	65	766982	100.29	ppb	100
55) Dimethylphthalate	7.613	163	2590710	101.09	ppb	100
56) Acenaphthylene	7.763	152	3771975	103.41	ppb	100
57) 2,6-Dinitrotoluene	7.693	165	624184	105.30	ppb	100
58) 3-Nitroaniline	7.955	138	701795	102.16	ppb	100
59) Acenaphthene	8.040	153	2279009	103.74	ppb	100
60) 2,4-Dinitrophenol	8.142	184	887166	318.10	ppb	100
61) 4-Nitrophenol	8.318	109	395000	107.47	ppb	100
62) Dibenzofuran	8.324	168	3165196	97.68	ppb	100
63) 2,4-Dinitrotoluene	8.350	165	853461	105.76	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.559	232	688553	107.05	ppb	100
65) Diethylphthalate	8.794	149	2528234	101.05	ppb	100
66) Fluorene	8.906	166	2649359	100.08	ppb	100
67) 4-Chlorophenyl-phenyle...	8.933	204	1253686	100.56	ppb	100
68) 4-Nitroaniline	8.997	138	707624	107.30	ppb	100
70) 4,6-Dinitro-2-methylph...	9.061	198	590089	136.09	ppb	100
71) n-Nitrosodiphenylamine	9.157	169	1839358	103.04	ppb	100
72) 1,2-Diphenylhydrazine	9.216	77	2869962	101.75	ppb	100
74) 4-Bromophenyl-phenylether	9.803	248	703200	107.26	ppb	100
75) Hexachlorobenzene	9.899	284	714077	103.25	ppb	100
76) Pentachlorophenol	10.289	266	990828	239.01	ppb	100
77) Phenanthrene	10.631	178	3843953	100.91	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration

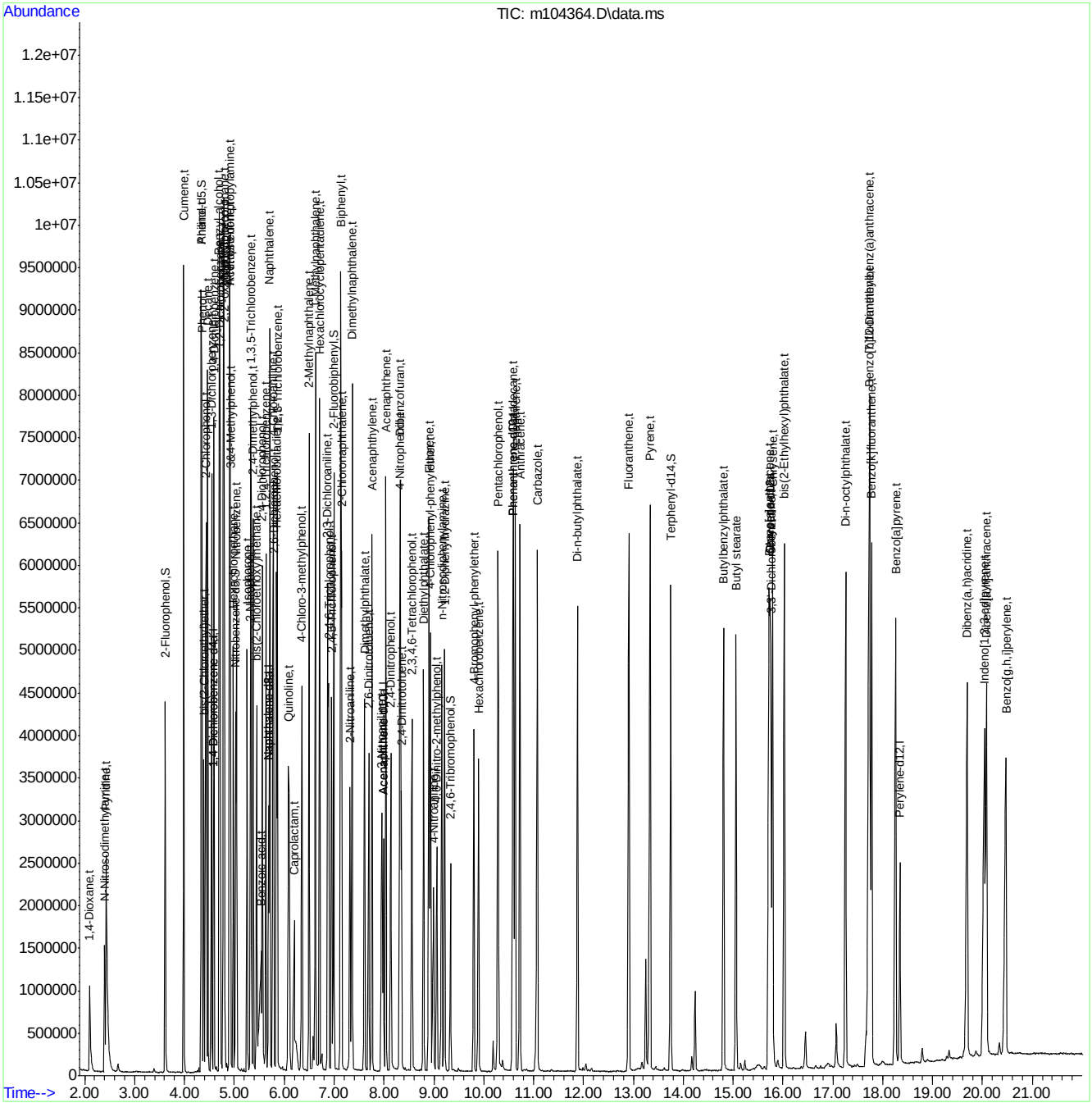
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.727	178	3942116	101.91	ppb	100
79) Carbazole	11.080	167	4223944	109.82	ppb	100
80) Di-n-butylphthalate	11.881	149	4348603	106.17	ppb	100
81) Fluoranthene	12.912	202	4310732	101.32	ppb	100
82) Octadecane	10.594	57	1556479	101.29	ppb	100
84) Pyrene	13.334	202	4523352	101.00	ppb	100
85) Butyl stearate	15.060	56	1005146	103.82	ppb	100
87) Butylbenzylphthalate	14.809	149	1933952	105.32	ppb	100
88) Benzo[a]anthracene	15.717	228	4011598	96.32	ppb	100
89) 3,3'-Dichlorobenzidine	15.754	252	1465091	104.88	ppb	100
90) Chrysene	15.792	228	3764951	102.02	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.027	149	2736544	102.86	ppb	100
93) Di-n-octylphthalate	17.256	149	4755950	105.13	ppb	100
94) Benzo[b]fluoranthene	17.731	252	4108715	103.47	ppb	100
95) Benzo[k]fluoranthene	17.779	252	3668075	99.78	ppb	100
96) Benzo[a]pyrene	18.260	252	3471587	97.68	ppb	100
97) Indeno[1,2,3-cd]pyrene	20.033	276	3409702	98.44	ppb	100
98) Dibenz(a,h)acridine	19.692	279	3211911	109.48	ppb	100
99) Dibenz[a,h]anthracene	20.082	278	3156549	94.59	ppb	100
100) 7,12-Dimethylbenz(a)an...	17.736	256	2153345	137.08	ppb	100
101) Benzo[g,h,i]perylene	20.472	276	3239700	93.25	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104364.D
Acq On : 13 May 2014 2:59 pm
Operator : saumilp
Sample : IC4271-100
Misc : op73826,em4271
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 17:05:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 10:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.580	152	543925	40.00	ppb		0.00
24) Naphthalene-d8	5.686	136	1976455	40.00	ppb		0.00
47) Acenaphthene-d10	7.978	164	1125330	40.00	ppb		0.00
69) Phenanthrene-d10	10.574	188	1931926	40.00	ppb		0.00
83) Chrysene-d12	15.724	240	1901242	40.00	ppb		-0.01
92) Perylene-d12	18.341	264	1690812	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	543925	40.00	ppb		0.00
104) Acenaphthene-d10a	7.978	164	1125330	40.00	ppb		0.00
107) Chrysene-d12a	15.724	240	1901242	40.00	ppb		-0.01
110) Phenanthrene-d10a	10.574	188	1931926	40.00	ppb		0.00
112) Naphthalene-d8a	5.686	136	1976455	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.613	112	18484	0.99	ppb		0.00
Spiked Amount 50.000			Recovery	=	1.98%		
8) Phenol-d5	4.329	99	23268	1.11	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.22%		
25) Nitrobenzene-d5	5.018	82	20964	1.08	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.16%		
51) 2-Fluorobiphenyl	6.984	172	34843	1.00	ppb		0.00
Spiked Amount 50.000			Recovery	=	2.00%		
73) 2,4,6-Tribromophenol	9.318	330	4383	0.95	ppb		-0.01
Spiked Amount 50.000			Recovery	=	1.90%		
86) Terphenyl-d14	13.736	244	37181	0.94	ppb		-0.01
Spiked Amount 50.000			Recovery	=	1.88%		
109) 1-chlorooctadecane	0.000	57	0d	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	2.112	88	9110	0.97	ppb		90
3) Pyridine	2.481	79	19983	0.81	ppb		95
4) N-Nitrosodimethylamine	2.422	42	8329	1.03	ppb		91
6) Indene	4.778	116	29443	0.85	ppb		94
7) Cumene	3.987	105	45286	0.89	ppb		99
9) Phenol	4.340	94	25507	1.02	ppb		62
10) Aniline	4.340	93	30316	1.26	ppb		76
11) bis(2-Chloroethyl)ether	4.382	93	18835	1.07	ppb		99
12) 2-Chlorophenol	4.430	128	19164	1.01	ppb		94
13) Decane	4.462	43	16012	1.06	ppb		96
14) 1,3-Dichlorobenzene	4.537	146	19129	0.96	ppb		94
15) 1,4-Dichlorobenzene	4.591	146	20963	1.05	ppb		95
16) Benzyl alcohol	4.692	108	13169	1.11	ppb		87
17) 1,2-Dichlorobenzene	4.708	146	19734	1.08	ppb		91
18) Acetophenone	4.895	105	25937	0.92	ppb		98
19) 2-Methylphenol	4.788	108	18421	1.13	ppb		93
20) 2,2'-oxybis(1-Chloropr...	4.788	121	6018	1.16	ppb	#	86
21) 3&4-Methylphenol	4.911	108	16431	0.91	ppb	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.895	70	14030	1.22	ppb		96
23) Hexachloroethane	4.981	201	6570	0.94	ppb		96
26) Nitrobenzene	5.034	77	20064	0.98	ppb		93
27) Quinoline	6.065	129	34650	0.84	ppb		99
28) Isophorone	5.237	82	34260	0.99	ppb		98
29) 2-Nitrophenol	5.317	139	8944	0.93	ppb		90
30) 2,4-Dimethylphenol	5.365	107	14171	0.78	ppb		94
31) Benzoic acid	5.440	105	10417	0.73	ppb		72
32) bis(2-Chloroethoxy)met...	5.440	93	20560	1.03	ppb		100
33) 2,4-Dichlorophenol	5.552	162	13884	0.97	ppb		91
34) 2,6-Dichlorophenol	5.777	162	13259	0.96	ppb		87
35) 1,3,5-Trichlorobenzene	5.328	180	16714	0.94	ppb		98
36) 1,2,4-Trichlorobenzene	5.627	180	16114	1.04	ppb		96
37) 1,2,3-Trichlorobenzene	5.857	180	15333	0.89	ppb		92
38) Naphthalene	5.702	128	52336	1.01	ppb		98
39) 4-Chloroaniline	5.761	127	21255	1.02	ppb		95
40) 2,3-Dichloroaniline	6.861	161	16382	0.82	ppb		97
41) Caprolactam	6.113	55	7280	0.86	ppb		80
42) Hexachlorobutadiene	5.841	225	8460	0.99	ppb		88
43) 4-Chloro-3-methylphenol	6.327	107	15329	0.92	ppb		92
44) 2-Methylnaphthalene	6.492	141	28020	1.00	ppb		96
45) 1-Methylnaphthalene	6.615	142	30759	0.85	ppb		97
46) Dimethylnaphthalene	7.347	156	29540	0.88	ppb		97
48) Hexachlorocyclopentadiene	6.701	237	12178	1.20	ppb		96
49) 2,4,6-Trichlorophenol	6.872	196	9730	0.94	ppb		83
50) 2,4,5-Trichlorophenol	6.931	196	10539	0.91	ppb		96
52) 2-Chloronaphthalene	7.139	162	30022	0.98	ppb		93
53) Biphenyl	7.117	154	40058	0.89	ppb		94
54) 2-Nitroaniline	7.294	65	10246	0.99	ppb		84
55) Dimethylphthalate	7.593	163	34063	0.98	ppb		97
56) Acenaphthylene	7.748	152	47344	0.93	ppb		97
57) 2,6-Dinitrotoluene	7.673	165	7543	0.90	ppb		83
58) 3-Nitroaniline	7.929	138	9031	0.96	ppb	#	69
59) Acenaphthene	8.026	153	28416	0.93	ppb		84
60) 2,4-Dinitrophenol	8.122	184	3069	0.51	ppb		91
61) 4-Nitrophenol	8.293	109	4570	0.86	ppb	#	29
62) Dibenzofuran	8.309	168	44548	1.05	ppb		92
63) 2,4-Dinitrotoluene	8.325	165	10219	0.89	ppb		85
64) 2,3,4,6-Tetrachlorophenol	8.549	232	8033	0.87	ppb		95
65) Diethylphthalate	8.768	149	33266	0.98	ppb		95
66) Fluorene	8.891	166	35541	1.00	ppb		95
67) 4-Chlorophenyl-phenyle...	8.923	204	16659	0.99	ppb		90
68) 4-Nitroaniline	8.955	138	8215	0.86	ppb		91
70) 4,6-Dinitro-2-methylph...	9.035	198	3878	0.47	ppb		89
71) n-Nitrosodiphenylamine	9.137	169	24224	0.94	ppb		96
72) 1,2-Diphenylhydrazine	9.196	77	38782	0.97	ppb		94
74) 4-Bromophenyl-phenylether	9.789	248	8509	0.86	ppb		89
75) Hexachlorobenzene	9.879	284	9364	0.94	ppb		97
76) Pentachlorophenol	10.269	266	9340	1.35	ppb		88
77) Phenanthrene	10.611	178	52825	0.98	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.707	178	53104	0.96	ppb	98
79) Carbazole	11.055	167	48543	0.82	ppb	96
80) Di-n-butylphthalate	11.867	149	53786	0.88	ppb	97
81) Fluoranthene	12.892	202	58762	0.97	ppb	97
82) Octadecane	10.579	57	21230	0.97	ppb	98
84) Pyrene	13.314	202	61661	0.98	ppb	96
85) Butyl stearate	15.045	56	12950	0.93	ppb	93
87) Butylbenzylphthalate	14.794	149	24179	0.90	ppb	90
88) Benzo[a]anthracene	15.702	228	60054	1.08	ppb	93
89) 3,3'-Dichlorobenzidine	15.729	252	18480	0.91	ppb	90
90) Chrysene	15.766	228	50282	0.96	ppb	98
91) bis(2-Ethylhexyl)phtha...	16.017	149	35938	0.94	ppb	98
93) Di-n-octylphthalate	17.235	149	59942	0.90	ppb	97
94) Benzo[b]fluoranthene	17.684	252	53541m	0.93	ppb	
95) Benzo[k]fluoranthene	17.732	252	51954	1.01	ppb	97
96) Benzo[a]pyrene	18.229	252	50795	1.05	ppb	95
97) Indeno[1,2,3-cd]pyrene	19.987	276	49135m	1.03	ppb	
98) Dibenz(a,h)acridine	19.655	279	37090	0.83	ppb	94
99) Dibenz[a,h]anthracene	20.040	278	49135	1.11	ppb	95
100) 7,12-Dimethylbenz(a)an...	17.695	256	13805	0.46	ppb	89
101) Benzo[g,h,i]perylene	20.414	276	51797m	1.14	ppb	

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

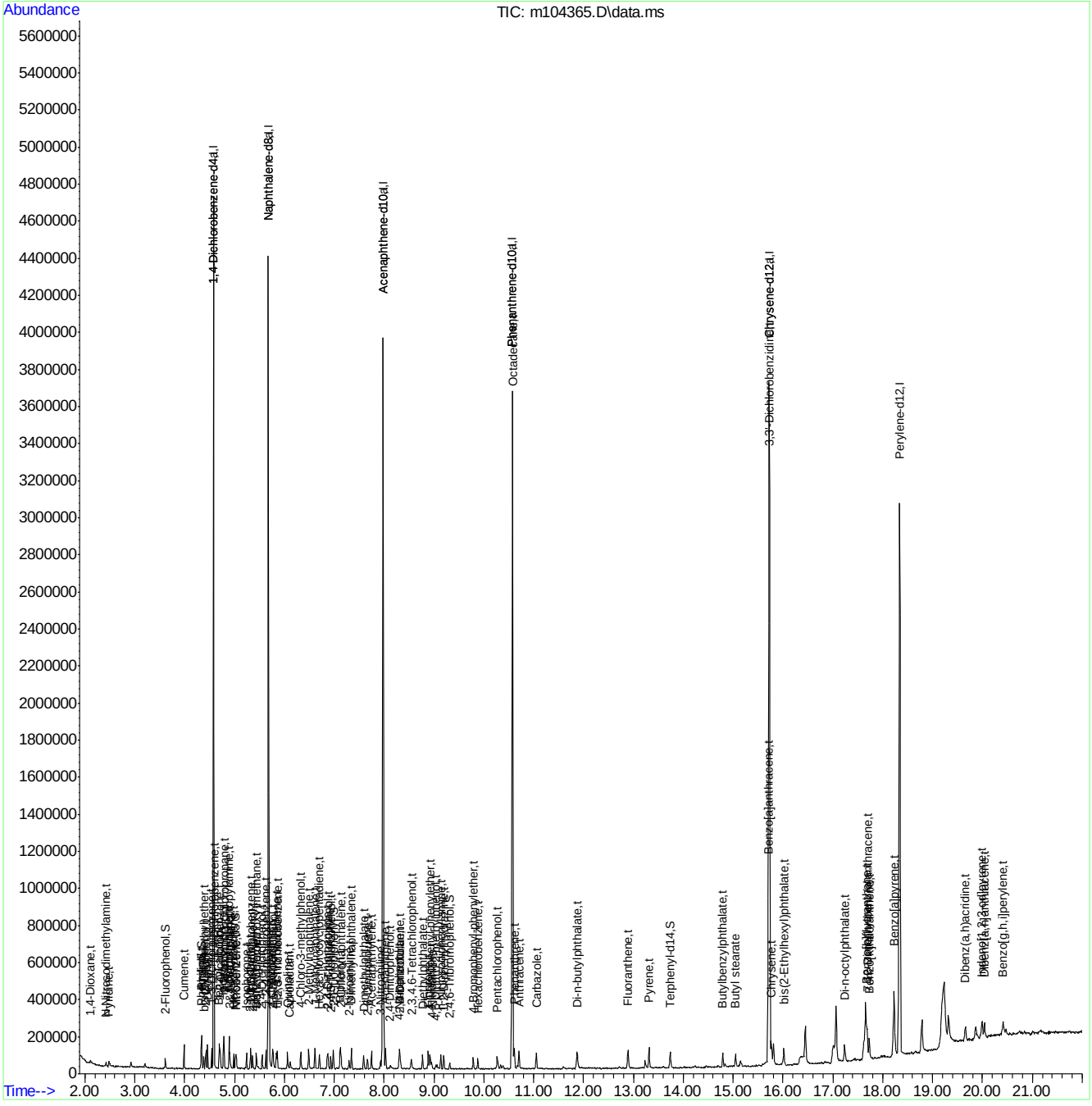
9.6.58

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:19:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

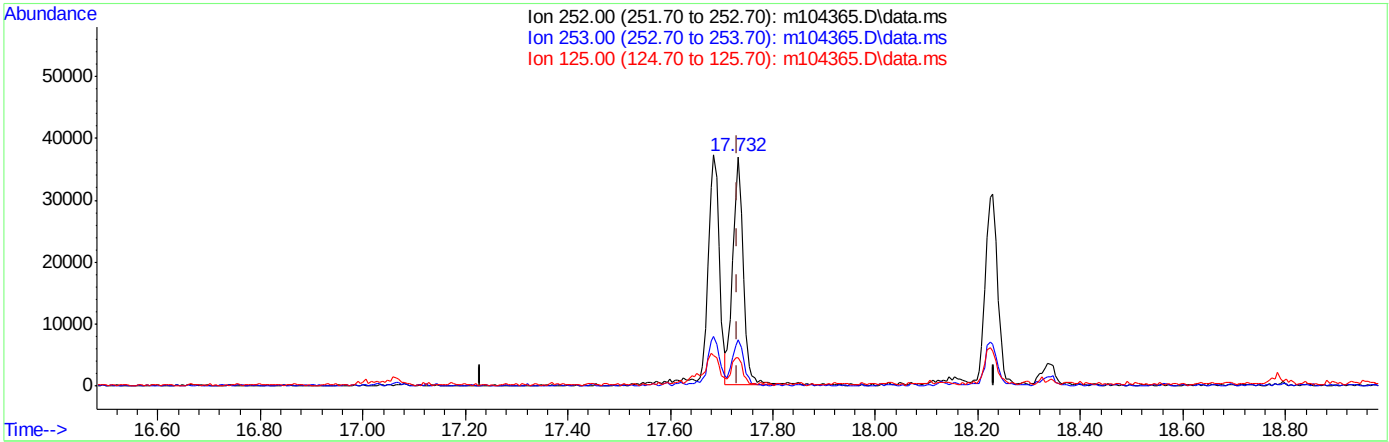
Sample Number: EM4271-IC4271
Lab FileID: M104365.D
Injection Time: 05/13/14 15:39
Method: SW846 8270D
Analyst approved: 05/14/14 09:32 Saumil Patel
Supervisor approved: 05/14/14 10:59 Nina Pandya

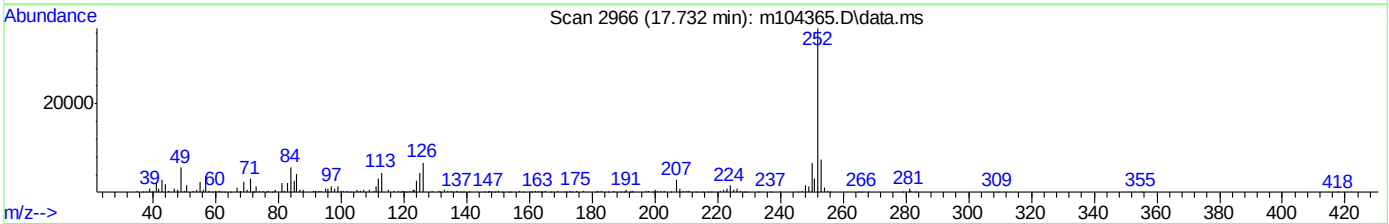
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		17.68	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		19.99	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		20.41	Poor instrument integration

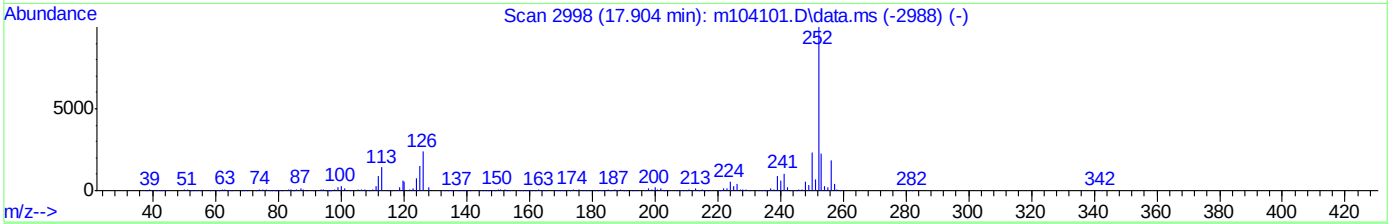
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(94) Benzo[b]fluoranthene (t)

17.732min (+0.001) 0.92ppb

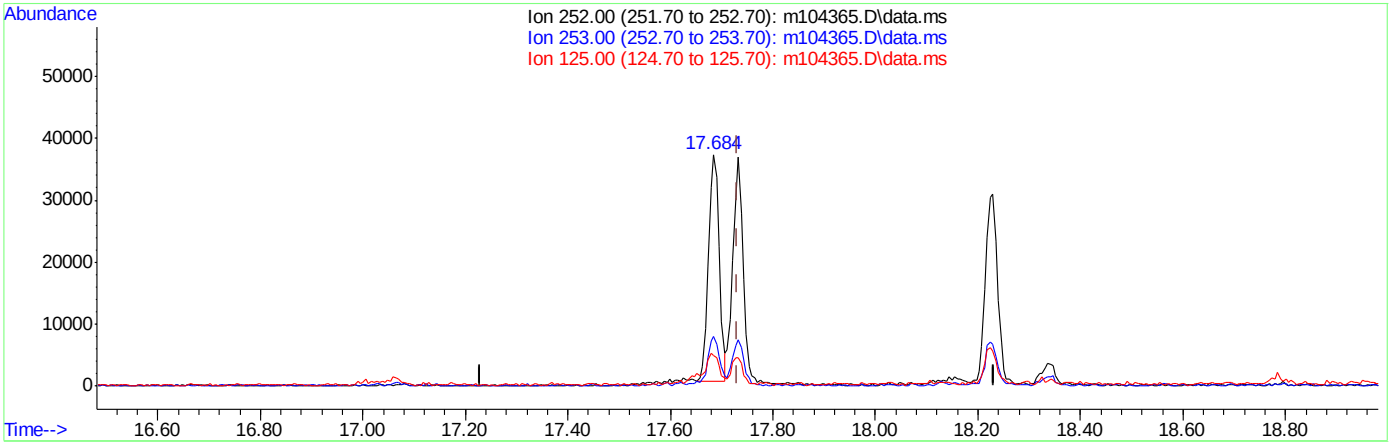
response 52919

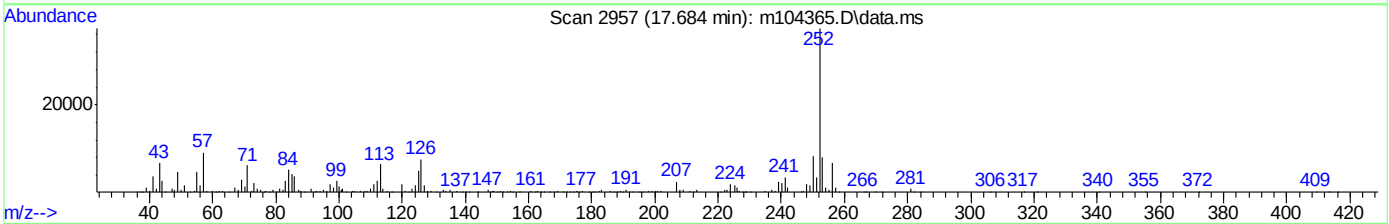
Ion	Exp%	Act%
252.00	100	100
253.00	23.80	19.21
125.00	15.90	10.84
0.00	0.00	0.00

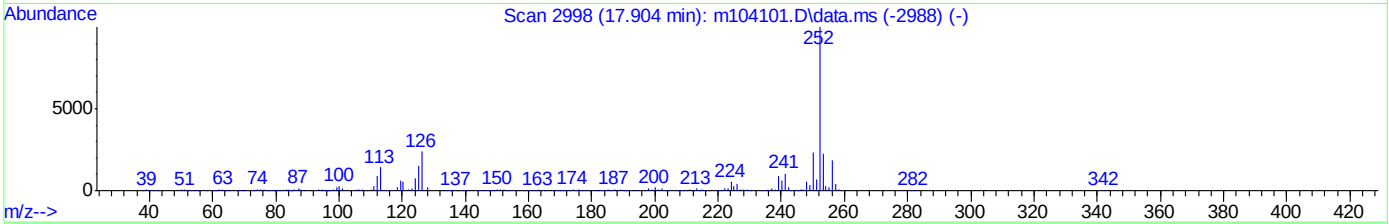
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(94) Benzo[b]fluoranthene (t)

17.684min (-0.047) 0.93ppb m

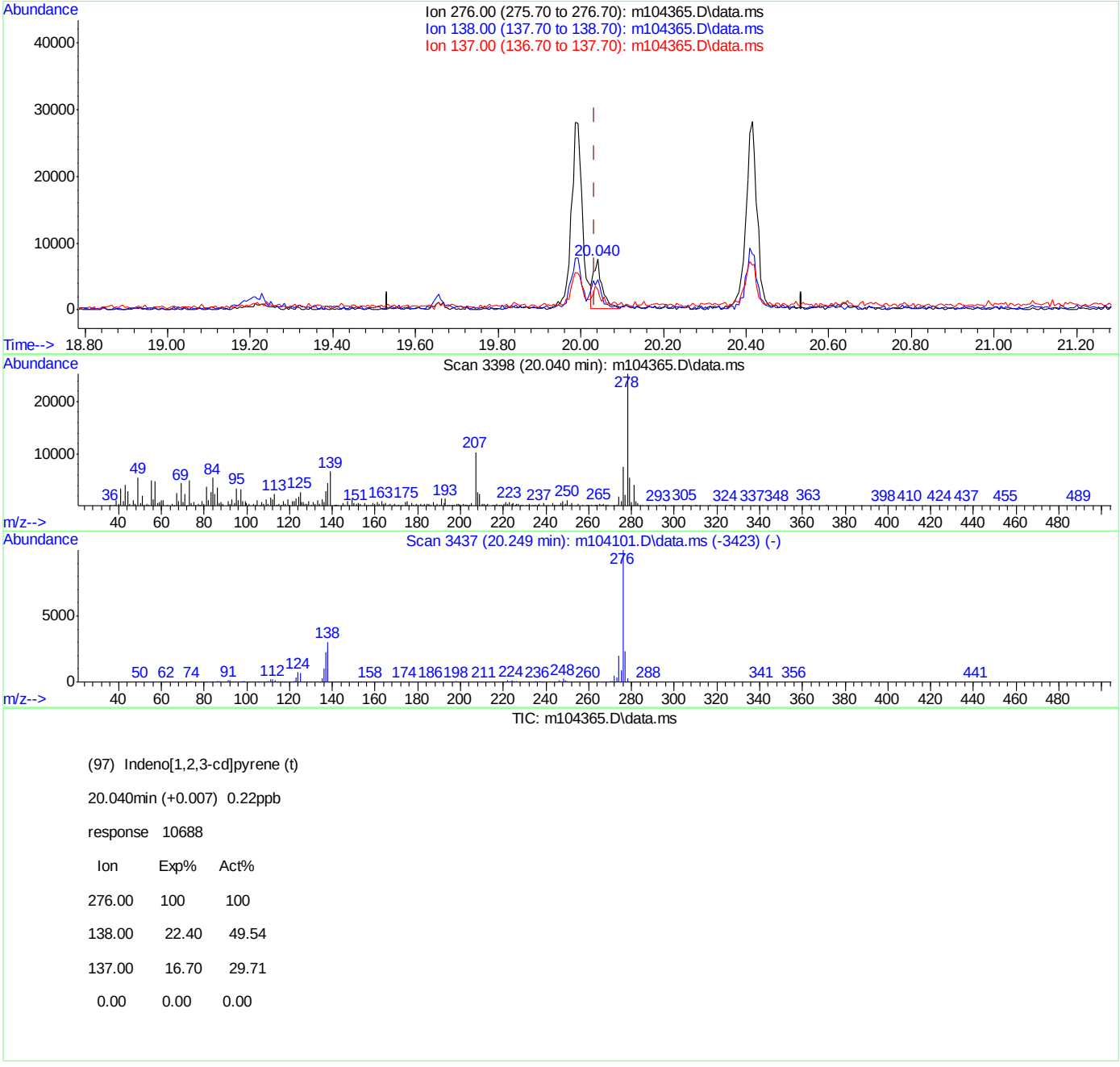
response 53541

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	21.27
125.00	15.90	13.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration



TIC: m104365.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

20.040min (+0.007) 0.22ppb

response 10688

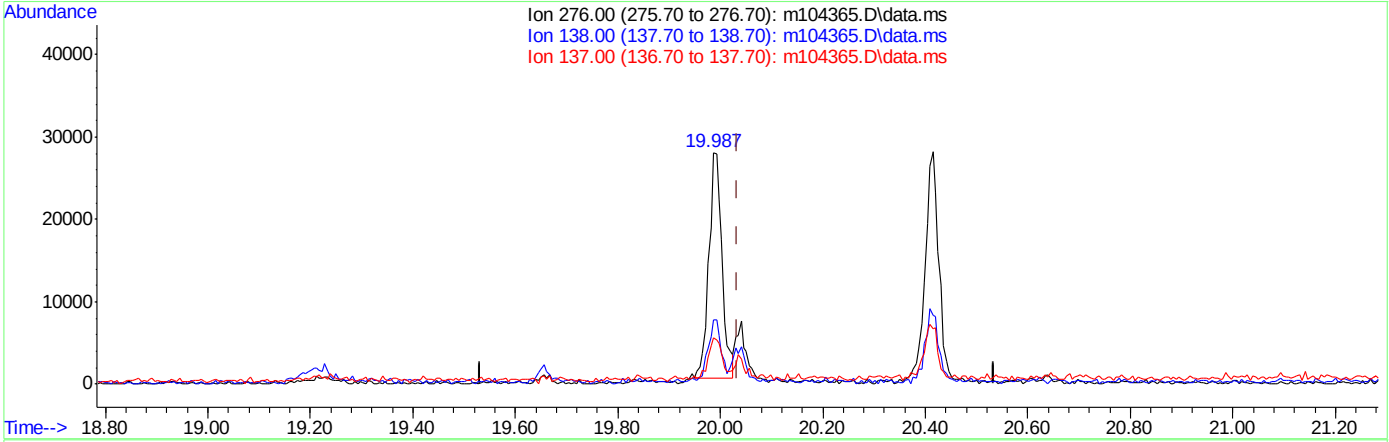
Ion	Exp%	Act%
276.00	100	100
138.00	22.40	49.54
137.00	16.70	29.71
0.00	0.00	0.00

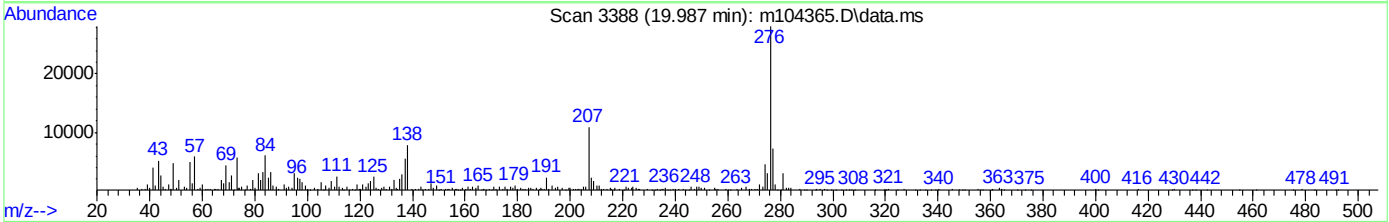
ACCUTEST LABORATORIES JB67744

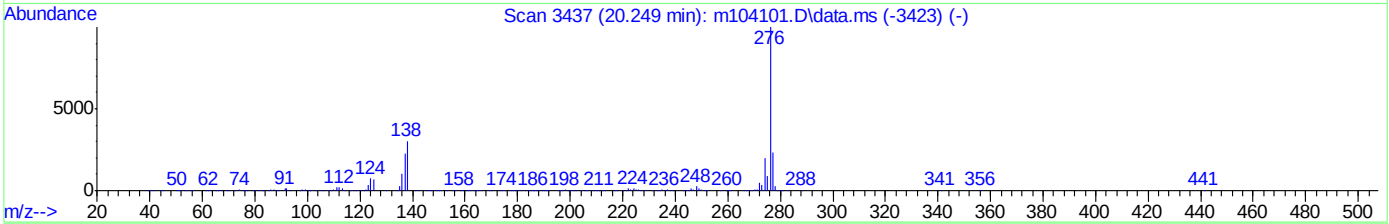
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

19.987min (-0.047) 1.03ppb m

response 49135

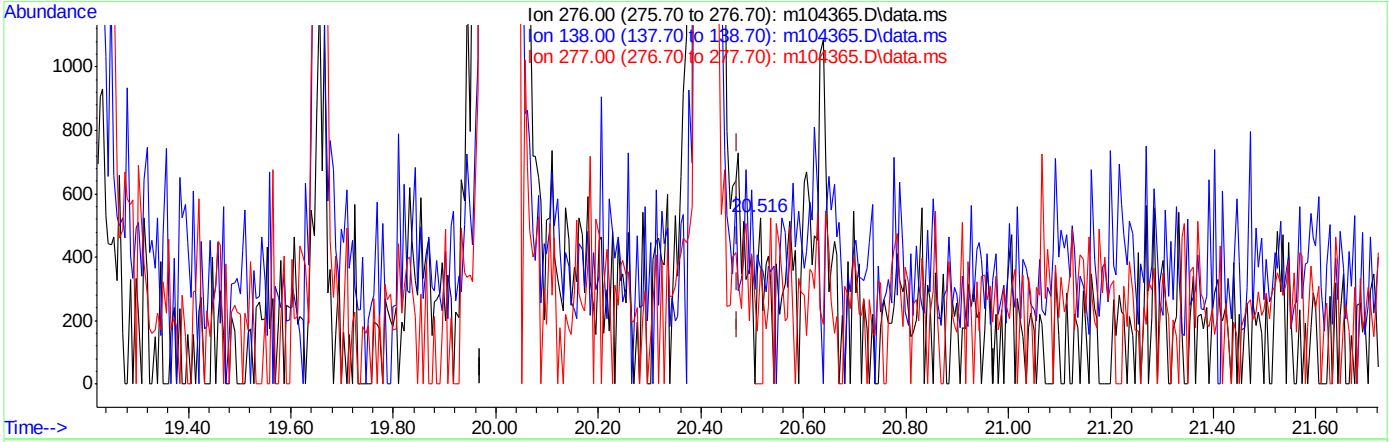
Ion	Exp%	Act%
276.00	100	100
138.00	22.40	27.81
137.00	16.70	19.81
0.00	0.00	0.00

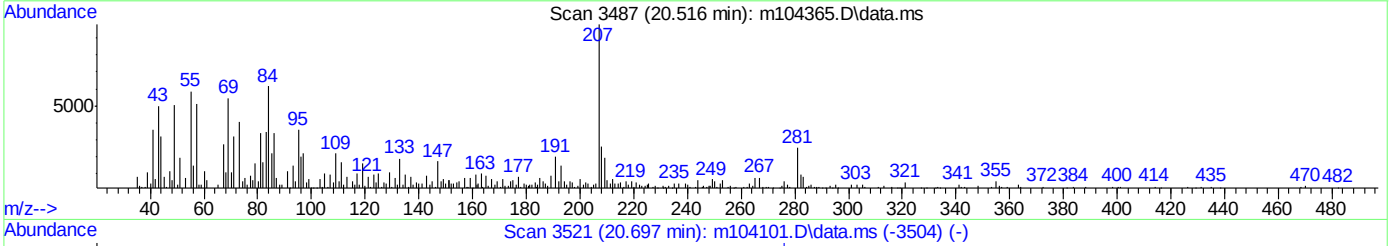
ACCUTEST LABORATORIES JB67744

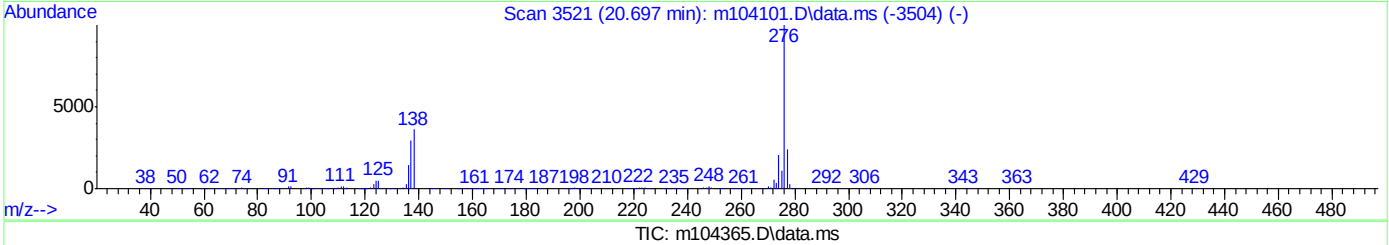
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration







TIC: m104365.D\data.ms

(101) Benzo[g,h,i]perylene (t)

20.516min (+0.044) 0.01ppb

response 354

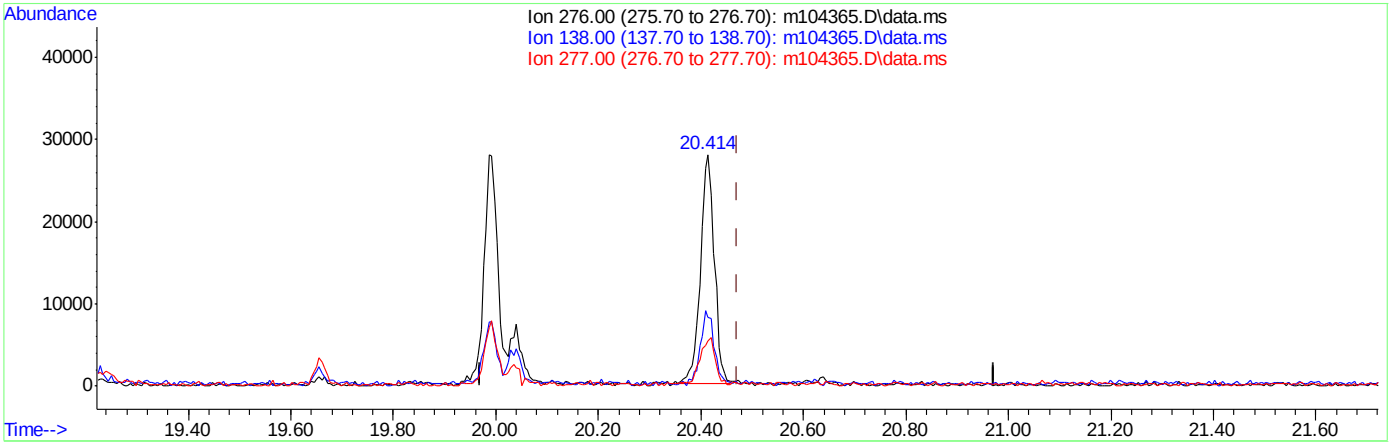
Ion	Exp%	Act%
276.00	100	100
138.00	26.60	9.16
277.00	23.70	20.76
0.00	0.00	0.00

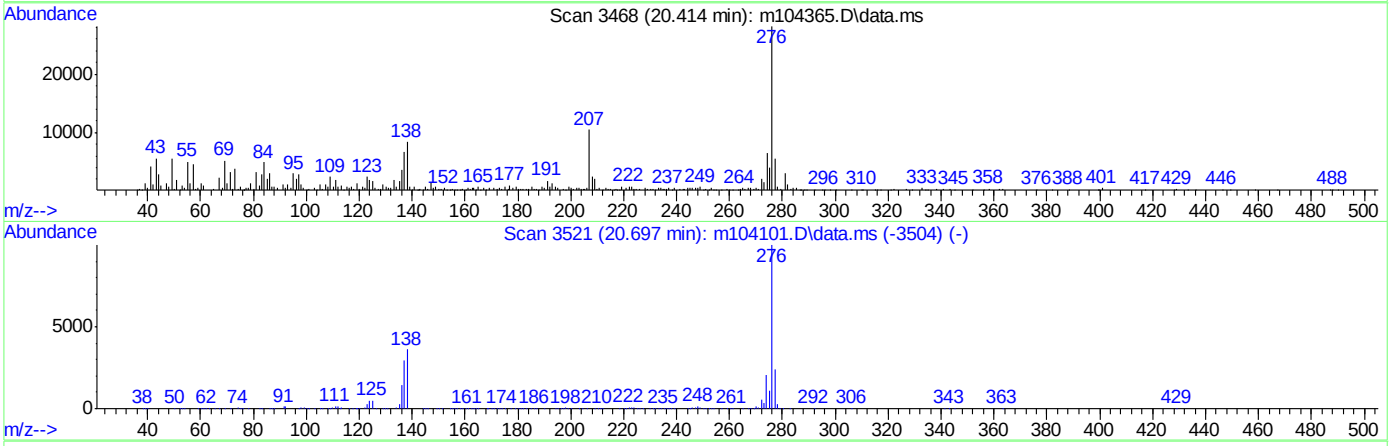
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104365.D
Acq On : 13 May 2014 3:39 pm
Operator : saumilp
Sample : IC4271-1
Misc : op73826,em4271
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:07:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 15:33:59 2014
Response via : Initial Calibration





TIC: m104365.D\data.ms

(101) Benzo[g,h,i]perylene (t)

20.414min (-0.057) 1.14ppb m

response 51797

Ion	Exp%	Act%
276.00	100	100
138.00	26.60	29.60
277.00	23.70	19.48
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	355086	40.00	ppb	0.00
24) Naphthalene-d8	5.687	136	1309971	40.00	ppb	0.00
47) Acenaphthene-d10	7.984	164	773038	40.00	ppb	0.00
69) Phenanthrene-d10	10.580	188	1277594	40.00	ppb	0.00
83) Chrysene-d12	15.735	240	1276646	40.00	ppb	0.00
92) Perylene-d12	18.342	264	1124250	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	355086	40.00	ppb	0.00
104) Acenaphthene-d10a	7.984	164	773038	40.00	ppb	0.00
107) Chrysene-d12a	15.735	240	1276646	40.00	ppb	0.00
110) Phenanthrene-d10a	10.580	188	1277594	40.00	ppb	0.00
112) Naphthalene-d8a	5.687	136	1309971	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	999515	82.33	ppb	0.00
Spiked Amount 50.000			Recovery = 164.66%			
8) Phenol-d5	4.335	99	1153638	79.98	ppb	0.00
Spiked Amount 50.000			Recovery = 159.96%			
25) Nitrobenzene-d5	5.024	82	1086698	81.28	ppb	0.00
Spiked Amount 50.000			Recovery = 162.56%			
51) 2-Fluorobiphenyl	6.990	172	1947786	81.49	ppb	0.00
Spiked Amount 50.000			Recovery = 162.98%			
73) 2,4,6-Tribromophenol	9.330	330	253283	85.20	ppb	0.00
Spiked Amount 50.000			Recovery = 170.40%			
86) Terphenyl-d14	13.748	244	2152362	83.77	ppb	0.00
Spiked Amount 50.000			Recovery = 167.54%			
109) 1-chlorooctadecane	0.000	57	0d	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	2.097	88	504409	83.49	ppb	97
3) Pyridine	2.434	79	1321201	90.85	ppb	98
4) N-Nitrosodimethylamine	2.402	42	438982	81.88	ppb	98
6) Indene	4.779	116	1913779	91.58	ppb	100
7) Cumene	3.983	105	2775766	88.64	ppb	99
9) Phenol	4.346	94	1376564	83.35	ppb	92
10) Aniline	4.341	93	1311777	73.98	ppb	81
11) bis(2-Chloroethyl)ether	4.389	93	951530	79.91	ppb	99
12) 2-Chlorophenol	4.431	128	1035004	83.09	ppb	96
13) Decane	4.464	43	856421	84.28	ppb	96
14) 1,3-Dichlorobenzene	4.538	146	1087273	85.45	ppb	99
15) 1,4-Dichlorobenzene	4.592	146	1090659	81.76	ppb	98
16) Benzyl alcohol	4.699	108	655255	80.06	ppb	96
17) 1,2-Dichlorobenzene	4.715	146	994117	80.09	ppb	99
18) Acetophenone	4.902	105	1536617	87.13	ppb	100
19) 2-Methylphenol	4.795	108	891452	78.81	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.795	121	291786	79.65	ppb	93
21) 3&4-Methylphenol	4.918	108	989846	87.73	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.907	70	652842	78.32	ppb		98
23) Hexachloroethane	4.982	201	382697	86.48	ppb		92
26) Nitrobenzene	5.040	77	1152754	85.72	ppb		97
27) Quinoline	6.082	129	2272587	90.47	ppb		99
28) Isophorone	5.249	82	1934862	84.60	ppb		98
29) 2-Nitrophenol	5.324	139	532352	86.71	ppb		89
30) 2,4-Dimethylphenol	5.372	107	1002425	93.52	ppb		96
31) Benzoic acid	5.521	105	767704	93.48	ppb		98
32) bis(2-Chloroethoxy)met...	5.447	93	1117362	83.03	ppb		99
33) 2,4-Dichlorophenol	5.559	162	793016	84.90	ppb		99
34) 2,6-Dichlorophenol	5.783	162	759436	84.51	ppb		98
35) 1,3,5-Trichlorobenzene	5.334	180	998613	87.55	ppb		99
36) 1,2,4-Trichlorobenzene	5.633	180	861126	82.29	ppb		100
37) 1,2,3-Trichlorobenzene	5.863	180	963896	89.51	ppb		98
38) Naphthalene	5.708	128	2871722	83.15	ppb		100
39) 4-Chloroaniline	5.772	127	1171034	84.14	ppb		98
40) 2,3-Dichloroaniline	6.868	161	1093327	91.04	ppb		98
41) Caprolactam	6.189	55	461781	88.48	ppb		99
42) Hexachlorobutadiene	5.842	225	480302	85.06	ppb		98
43) 4-Chloro-3-methylphenol	6.349	107	923348	87.17	ppb		98
44) 2-Methylnaphthalene	6.499	141	1574284	84.62	ppb		99
45) 1-Methylnaphthalene	6.622	142	2056441	92.61	ppb		96
46) Dimethylnaphthalene	7.359	156	1876012	89.46	ppb		99
48) Hexachlorocyclopentadiene	6.707	237	1134638	203.40	ppb		99
49) 2,4,6-Trichlorophenol	6.889	196	583378	84.66	ppb		98
50) 2,4,5-Trichlorophenol	6.948	196	650992	85.89	ppb		99
52) 2-Chloronaphthalene	7.151	162	1743914	83.58	ppb		98
53) Biphenyl	7.129	154	2569498	88.00	ppb		99
54) 2-Nitroaniline	7.316	65	583333	82.64	ppb		98
55) Dimethylphthalate	7.605	163	1954440	82.62	ppb		99
56) Acenaphthylene	7.760	152	2876296	85.43	ppb		100
57) 2,6-Dinitrotoluene	7.690	165	473395	86.52	ppb		97
58) 3-Nitroaniline	7.952	138	541467	85.39	ppb		99
59) Acenaphthene	8.037	153	1734776	85.55	ppb		99
60) 2,4-Dinitrophenol	8.134	184	669142	259.93	ppb		97
61) 4-Nitrophenol	8.310	109	304998	89.90	ppb	#	70
62) Dibenzofuran	8.321	168	2424300	81.06	ppb		92
63) 2,4-Dinitrotoluene	8.347	165	645023	86.59	ppb		96
64) 2,3,4,6-Tetrachlorophenol	8.556	232	525970	88.59	ppb		98
65) Diethylphthalate	8.791	149	1919007	83.09	ppb		99
66) Fluorene	8.903	166	2020781	82.70	ppb		100
67) 4-Chlorophenyl-phenyle...	8.930	204	964456	83.81	ppb		99
68) 4-Nitroaniline	8.988	138	530827	87.20	ppb		97
70) 4,6-Dinitro-2-methylph...	9.052	198	437962	109.14	ppb		98
71) n-Nitrosodiphenylamine	9.154	169	1380728	83.57	ppb		98
72) 1,2-Diphenylhydrazine	9.213	77	2212555	84.76	ppb		100
74) 4-Bromophenyl-phenylether	9.800	248	536629	88.44	ppb		99
75) Hexachlorobenzene	9.891	284	550199	85.96	ppb		98
76) Pentachlorophenol	10.281	266	743411	193.76	ppb		99
77) Phenanthrene	10.628	178	2918420	82.78	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.719	178	3004139	83.91	ppb	99
79) Carbazole	11.072	167	3194175	89.73	ppb	100
80) Di-n-butylphthalate	11.878	149	3335948	88.00	ppb	99
81) Fluoranthene	12.904	202	3293278	83.63	ppb	99
82) Octadecane	10.591	57	1233279	86.71	ppb	100
84) Pyrene	13.331	202	3439864	82.25	ppb	100
85) Butyl stearate	15.057	56	788489	87.21	ppb	99
87) Butylbenzylphthalate	14.806	149	1477206	86.15	ppb	99
88) Benzo[a]anthracene	15.714	228	3068655	78.90	ppb	99
89) 3,3'-Dichlorobenzidine	15.746	252	1129713	86.60	ppb	99
90) Chrysene	15.789	228	2867130	83.20	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.024	149	2084845	83.92	ppb	100
93) Di-n-octylphthalate	17.247	149	3652450	86.94	ppb	99
94) Benzo[b]fluoranthene	17.717	252	3207285	86.97	ppb	99
95) Benzo[k]fluoranthene	17.771	252	2795921	81.50	ppb	99
96) Benzo[a]pyrene	18.252	252	2701166	81.83	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.025	276	2644687	82.21	ppb	99
98) Dibenz(a,h)acridine	19.683	279	2517065	92.38	ppb	100
99) Dibenz[a,h]anthracene	20.073	278	2456933	79.27	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.728	256	1644076	112.69	ppb	99
101) Benzo[g,h,i]perylene	20.458	276	2519012	78.07	ppb	99

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

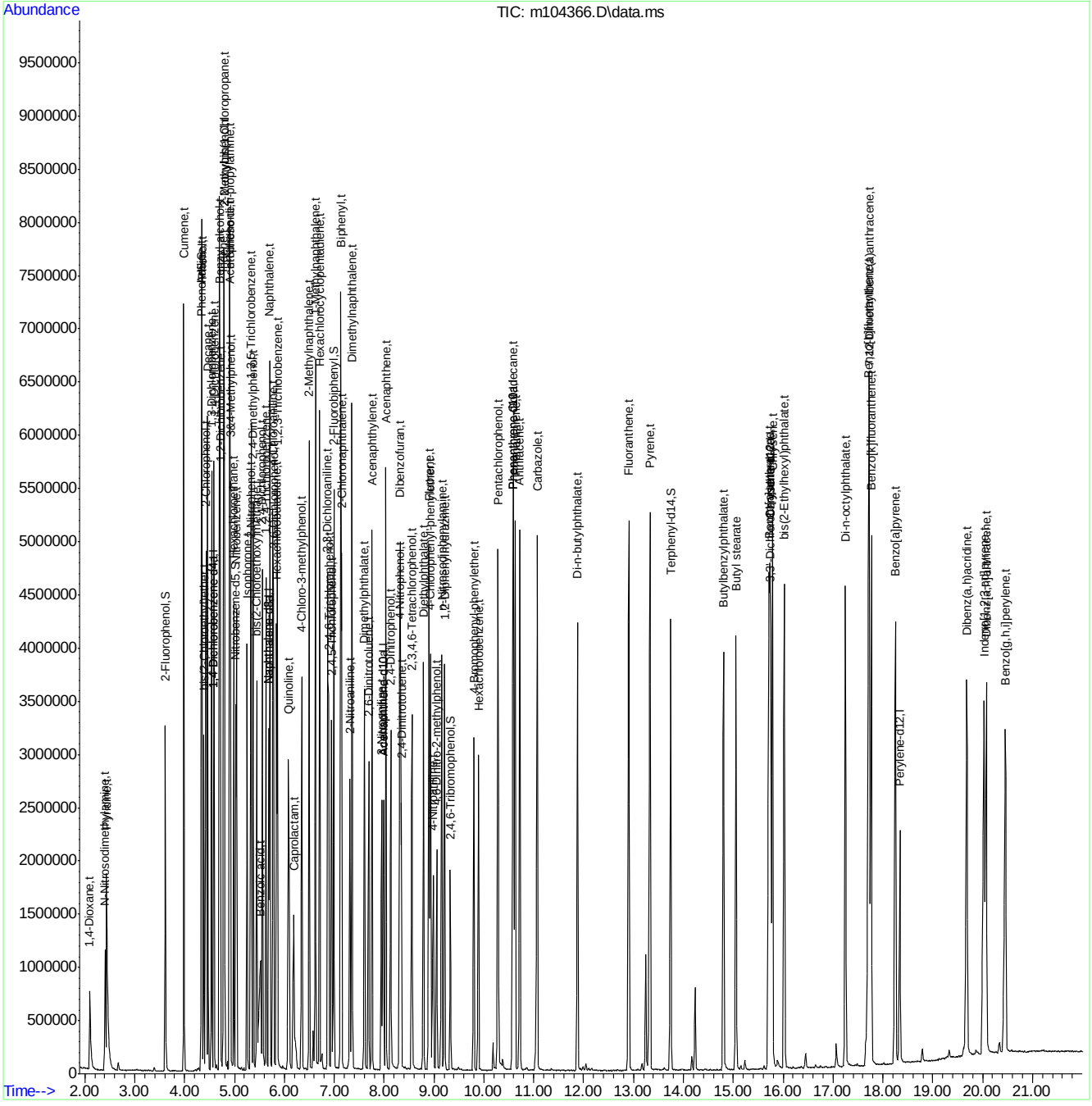
9.6.59

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104366.D
Acq On : 13 May 2014 4:08 pm
Operator : saumilp
Sample : IC4271-80
Misc : op73826,em4271
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:06:35 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:05:18 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	303296	40.00	ppb	0.00
24) Naphthalene-d8	5.686	136	1100049	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	648426	40.00	ppb	0.00
69) Phenanthrene-d10	10.574	188	1086989	40.00	ppb	0.00
83) Chrysene-d12	15.724	240	1075167	40.00	ppb	-0.01
92) Perylene-d12	18.337	264	997730	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	303296	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	648426	40.00	ppb	0.00
107) Chrysene-d12a	15.724	240	1075167	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.574	188	1086989	40.00	ppb	0.00
112) Naphthalene-d8a	5.686	136	1100049	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.608	112	545316	52.08	ppb	0.00
Spiked Amount 50.000			Recovery = 104.16%			
8) Phenol-d5	4.329	99	654576	53.13	ppb	0.00
Spiked Amount 50.000			Recovery = 106.26%			
25) Nitrobenzene-d5	5.024	82	586266	51.94	ppb	0.00
Spiked Amount 50.000			Recovery = 103.88%			
51) 2-Fluorobiphenyl	6.985	172	1050606	52.08	ppb	0.00
Spiked Amount 50.000			Recovery = 104.16%			
73) 2,4,6-Tribromophenol	9.324	330	139548	54.00	ppb	0.00
Spiked Amount 50.000			Recovery = 108.00%			
86) Terphenyl-d14	13.742	244	1167184	53.10	ppb	0.00
Spiked Amount 50.000			Recovery = 106.20%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.102	88	243165	46.44	ppb	97
3) Pyridine	2.433	79	634173	48.85	ppb	99
4) N-Nitrosodimethylamine	2.401	42	236189	51.18	ppb	98
6) Indene	4.778	116	932595	49.84	ppb	98
7) Cumene	3.982	105	1377609	49.72	ppb	99
9) Phenol	4.340	94	765973	53.55	ppb	64
10) Aniline	4.340	93	882759	59.79	ppb	63
11) bis(2-Chloroethyl)ether	4.383	93	509263	50.09	ppb	97
12) 2-Chlorophenol	4.431	128	559374	51.91	ppb	99
13) Decane	4.463	43	439910	49.80	ppb	99
14) 1,3-Dichlorobenzene	4.538	146	597243	53.73	ppb	99
15) 1,4-Dichlorobenzene	4.591	146	603862	52.61	ppb	97
16) Benzyl alcohol	4.693	108	369032	52.78	ppb	96
17) 1,2-Dichlorobenzene	4.709	146	562773	53.06	ppb	99
18) Acetophenone	4.896	105	765647	49.36	ppb	95
19) 2-Methylphenol	4.789	108	492457	51.22	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.794	121	159269	50.97	ppb	99
21) 3&4-Methylphenol	4.912	108	542614	54.55	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.901	70	378007	53.46	ppb		99
23) Hexachloroethane	4.981	201	211141	54.39	ppb		96
26) Nitrobenzene	5.040	77	633072	54.76	ppb		99
27) Quinoline	6.071	129	1077525	48.95	ppb		98
28) Isophorone	5.243	82	1073872	54.86	ppb		99
29) 2-Nitrophenol	5.318	139	288909	54.52	ppb		96
30) 2,4-Dimethylphenol	5.366	107	554923	58.36	ppb		100
31) Benzoic acid	5.494	105	440303	60.45	ppb		98
32) bis(2-Chloroethoxy)met...	5.441	93	609809	53.29	ppb		98
33) 2,4-Dichlorophenol	5.553	162	428449	53.53	ppb		97
34) 2,6-Dichlorophenol	5.777	162	418873	54.49	ppb		97
35) 1,3,5-Trichlorobenzene	5.328	180	492780	49.88	ppb		98
36) 1,2,4-Trichlorobenzene	5.628	180	471528	53.15	ppb		99
37) 1,2,3-Trichlorobenzene	5.863	180	475304	50.56	ppb		99
38) Naphthalene	5.708	128	1549694	52.74	ppb		99
39) 4-Chloroaniline	5.767	127	684887	57.61	ppb		98
40) 2,3-Dichloroaniline	6.867	161	531273	50.36	ppb		99
41) Caprolactam	6.162	55	218321	48.11	ppb		97
42) Hexachlorobutadiene	5.841	225	266462	55.03	ppb		97
43) 4-Chloro-3-methylphenol	6.338	107	499192	54.49	ppb		98
44) 2-Methylnaphthalene	6.493	141	869335	54.60	ppb		99
45) 1-Methylnaphthalene	6.616	142	996972	50.80	ppb		100
46) Dimethylnaphthalene	7.348	156	905943	49.49	ppb		96
48) Hexachlorocyclopentadiene	6.707	237	568900	111.50	ppb		98
49) 2,4,6-Trichlorophenol	6.878	196	317695	53.92	ppb		99
50) 2,4,5-Trichlorophenol	6.936	196	334736	51.39	ppb		99
52) 2-Chloronaphthalene	7.145	162	952088	53.60	ppb		98
53) Biphenyl	7.123	154	1243609	49.14	ppb		100
54) 2-Nitroaniline	7.305	65	315532	52.71	ppb		99
55) Dimethylphthalate	7.599	163	1035768	51.63	ppb		99
56) Acenaphthylene	7.754	152	1544296	53.47	ppb		98
57) 2,6-Dinitrotoluene	7.679	165	257085	54.53	ppb		99
58) 3-Nitroaniline	7.941	138	292345	53.76	ppb		100
59) Acenaphthene	8.032	153	930628	53.48	ppb		96
60) 2,4-Dinitrophenol	8.122	184	320176	122.73	ppb		99
61) 4-Nitrophenol	8.299	109	161749	54.59	ppb	#	40
62) Dibenzofuran	8.315	168	1339894	53.17	ppb		89
63) 2,4-Dinitrotoluene	8.336	165	349451	54.43	ppb		100
64) 2,3,4,6-Tetrachlorophenol	8.550	232	275707	53.45	ppb		99
65) Diethylphthalate	8.779	149	1032874	52.64	ppb		99
66) Fluorene	8.892	166	1095648	52.86	ppb		99
67) 4-Chlorophenyl-phenyle...	8.924	204	512228	52.24	ppb		98
68) 4-Nitroaniline	8.972	138	291597	55.44	ppb		95
70) 4,6-Dinitro-2-methylph...	9.041	198	221393	57.82	ppb		98
71) n-Nitrosodiphenylamine	9.143	169	738447	51.76	ppb		98
72) 1,2-Diphenylhydrazine	9.202	77	1214308	53.61	ppb		97
74) 4-Bromophenyl-phenylether	9.794	248	286446	53.60	ppb		99
75) Hexachlorobenzene	9.885	284	295716	52.99	ppb		97
76) Pentachlorophenol	10.275	266	387746	110.98	ppb		97
77) Phenanthrene	10.617	178	1564221	51.55	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration

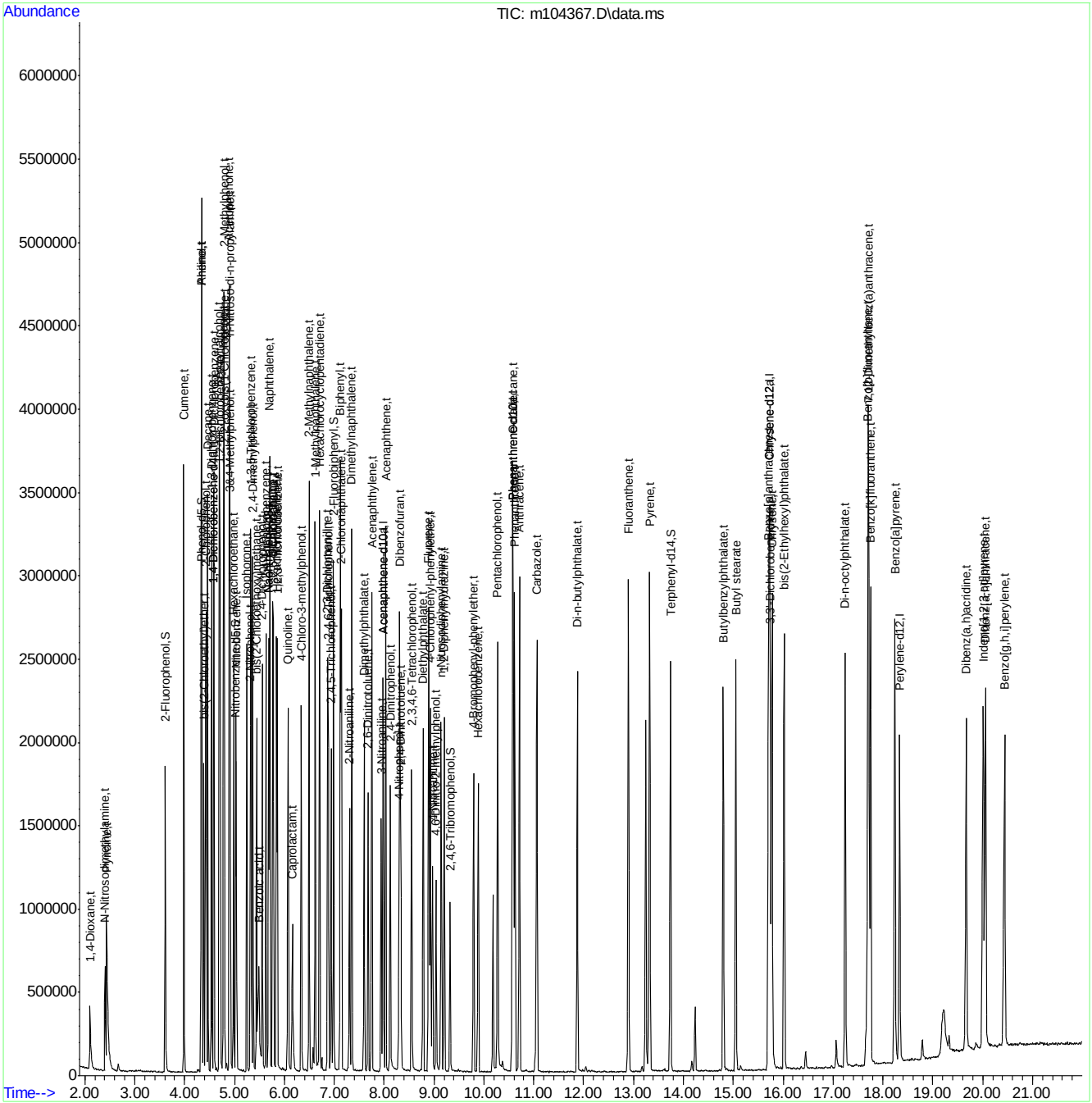
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.713	178	1637163	52.89	ppb	99
79) Carbazole	11.061	167	1527137	48.46	ppb	99
80) Di-n-butylphthalate	11.873	149	1748820	52.47	ppb	100
81) Fluoranthene	12.898	202	1754940	51.60	ppb	99
82) Octadecane	10.585	57	623498	50.12	ppb	98
84) Pyrene	13.320	202	1841246	51.79	ppb	99
85) Butyl stearate	15.051	56	457645	58.35	ppb	97
87) Butylbenzylphthalate	14.800	149	792908	53.53	ppb	99
88) Benzo[a]anthracene	15.708	228	1645184	50.46	ppb	99
89) 3,3'-Dichlorobenzidine	15.740	252	611872	54.20	ppb	99
90) Chrysene	15.778	228	1538300	52.31	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.018	149	1116437	52.50	ppb	99
93) Di-n-octylphthalate	17.241	149	1940955	50.59	ppb	98
94) Benzo[b]fluoranthene	17.701	252	1665991	49.47	ppb	97
95) Benzo[k]fluoranthene	17.754	252	1551261	50.64	ppb	99
96) Benzo[a]pyrene	18.240	252	1487927	50.41	ppb	100
97) Indeno[1,2,3-cd]pyrene	20.014	276	1459258	50.65	ppb	99
98) Dibenz(a,h)acridine	19.672	279	1250440	49.18	ppb	98
99) Dibenz[a,h]anthracene	20.057	278	1397381	50.96	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.712	256	803667	54.63	ppb	99
101) Benzo[g,h,i]perylene	20.441	276	1437857	50.62	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104367.D
Acq On : 13 May 2014 4:37 pm
Operator : saumilp
Sample : ICC4271-50
Misc : op73826,em4271
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 17:11:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:06:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	298510	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1092224	40.00	ppb	0.00
47) Acenaphthene-d10	7.979	164	638905	40.00	ppb	0.00
69) Phenanthrene-d10	10.570	188	1072150	40.00	ppb	0.00
83) Chrysene-d12	15.720	240	1065345	40.00	ppb	0.00
92) Perylene-d12	18.332	264	990977	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	298510	40.00	ppb	0.00
104) Acenaphthene-d10a	7.979	164	638905	40.00	ppb	0.00
107) Chrysene-d12a	15.720	240	1065345	40.00	ppb	0.00
110) Phenanthrene-d10a	10.570	188	1072150	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1092224	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	273028	26.22	ppb	0.00
Spiked Amount 50.000			Recovery = 52.44%			
8) Phenol-d5	4.330	99	340325	27.63	ppb	0.00
Spiked Amount 50.000			Recovery = 55.26%			
25) Nitrobenzene-d5	5.019	82	296692	26.22	ppb	0.00
Spiked Amount 50.000			Recovery = 52.44%			
51) 2-Fluorobiphenyl	6.985	172	532601	26.52	ppb	0.00
Spiked Amount 50.000			Recovery = 53.04%			
73) 2,4,6-Tribromophenol	9.320	330	66785	25.69	ppb	0.00
Spiked Amount 50.000			Recovery = 51.38%			
86) Terphenyl-d14	13.738	244	578888	26.17	ppb	0.00
Spiked Amount 50.000			Recovery = 52.34%			
109) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.102	88	120924	23.89	ppb	98
3) Pyridine	2.439	79	320920	25.26	ppb	98
4) N-Nitrosodimethylamine	2.402	42	117066	25.62	ppb	97
6) Indene	4.779	116	479842	26.08	ppb	97
7) Cumene	3.983	105	702483	25.79	ppb	99
9) Phenol	4.341	94	402148	28.07	ppb	92
10) Aniline	4.335	93	465717	30.55	ppb	87
11) bis(2-Chloroethyl)ether	4.384	93	262108	26.18	ppb	96
12) 2-Chlorophenol	4.432	128	284499	26.57	ppb	97
13) Decane	4.464	43	231079	26.60	ppb	99
14) 1,3-Dichlorobenzene	4.538	146	308762	27.71	ppb	98
15) 1,4-Dichlorobenzene	4.592	146	308328	26.94	ppb	99
16) Benzyl alcohol	4.688	108	191827	27.49	ppb	99
17) 1,2-Dichlorobenzene	4.709	146	284026	26.80	ppb	97
18) Acetophenone	4.896	105	392157	25.77	ppb	98
19) 2-Methylphenol	4.790	108	255367	26.82	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.790	121	82178	26.59	ppb	89
21) 3&4-Methylphenol	4.907	108	276144	27.58	ppb	98

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.896	70	200729	28.35	ppb		97
23) Hexachloroethane	4.982	201	107198	27.46	ppb		96
26) Nitrobenzene	5.035	77	317130	26.98	ppb		100
27) Quinoline	6.066	129	529954	24.37	ppb		99
28) Isophorone	5.244	82	545825	27.42	ppb		96
29) 2-Nitrophenol	5.318	139	145751	27.09	ppb		94
30) 2,4-Dimethylphenol	5.361	107	279981	28.47	ppb		98
31) Benzoic acid	5.473	105	213542	28.06	ppb		97
32) bis(2-Chloroethoxy)met...	5.441	93	303725	26.30	ppb		99
33) 2,4-Dichlorophenol	5.553	162	216196	26.73	ppb		98
34) 2,6-Dichlorophenol	5.778	162	212814	27.27	ppb		98
35) 1,3,5-Trichlorobenzene	5.329	180	255936	26.11	ppb		98
36) 1,2,4-Trichlorobenzene	5.628	180	236430	26.43	ppb		97
37) 1,2,3-Trichlorobenzene	5.858	180	234758	25.08	ppb		99
38) Naphthalene	5.703	128	785629	26.57	ppb		99
39) 4-Chloroaniline	5.762	127	342877	27.98	ppb		96
40) 2,3-Dichloroaniline	6.862	161	273714	26.09	ppb		99
41) Caprolactam	6.141	55	110806	24.83	ppb		94
42) Hexachlorobutadiene	5.842	225	135481	27.49	ppb		99
43) 4-Chloro-3-methylphenol	6.333	107	250357	26.92	ppb		97
44) 2-Methylnaphthalene	6.494	141	437897	27.08	ppb		99
45) 1-Methylnaphthalene	6.617	142	504657	25.79	ppb		96
46) Dimethylnaphthalene	7.348	156	465135	25.66	ppb		99
48) Hexachlorocyclopentadiene	6.702	237	274249	53.03	ppb		98
49) 2,4,6-Trichlorophenol	6.878	196	157852	26.67	ppb		98
50) 2,4,5-Trichlorophenol	6.932	196	166679	25.79	ppb		99
52) 2-Chloronaphthalene	7.140	162	486080	27.28	ppb		98
53) Biphenyl	7.119	154	625331	25.18	ppb		98
54) 2-Nitroaniline	7.300	65	156699	26.21	ppb		99
55) Dimethylphthalate	7.594	163	520864	26.14	ppb		99
56) Acenaphthylene	7.749	152	775186	26.78	ppb		99
57) 2,6-Dinitrotoluene	7.674	165	126817	26.70	ppb		98
58) 3-Nitroaniline	7.936	138	146521	26.84	ppb		91
59) Acenaphthene	8.027	153	467691	26.81	ppb		100
60) 2,4-Dinitrophenol	8.112	184	148566	54.69	ppb		94
61) 4-Nitrophenol	8.289	109	79471	26.61	ppb	#	81
62) Dibenzofuran	8.310	168	691570	27.42	ppb		100
63) 2,4-Dinitrotoluene	8.331	165	173637	26.85	ppb		90
64) 2,3,4,6-Tetrachlorophenol	8.550	232	135991	26.30	ppb		97
65) Diethylphthalate	8.775	149	516557	26.37	ppb		99
66) Fluorene	8.892	166	552240	26.66	ppb		99
67) 4-Chlorophenyl-phenyle...	8.924	204	258200	26.43	ppb		95
68) 4-Nitroaniline	8.962	138	140822	26.45	ppb		97
70) 4,6-Dinitro-2-methylph...	9.031	198	105581	26.90	ppb		95
71) n-Nitrosodiphenylamine	9.138	169	373929	26.34	ppb		98
72) 1,2-Diphenylhydrazine	9.197	77	615758	27.07	ppb		98
74) 4-Bromophenyl-phenylether	9.790	248	142545	26.56	ppb		96
75) Hexachlorobenzene	9.881	284	148483	26.58	ppb		99
76) Pentachlorophenol	10.271	266	182156	51.44	ppb		99
77) Phenanthrene	10.612	178	791740	26.25	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	10.709	178	824732	26.63	ppb	100
79) Carbazole	11.056	167	762149	24.71	ppb	99
80) Di-n-butylphthalate	11.868	149	878327	26.39	ppb	100
81) Fluoranthene	12.894	202	884378	26.15	ppb	99
82) Octadecane	10.586	57	317467	25.86	ppb	100
84) Pyrene	13.316	202	935224	26.31	ppb	99
85) Butyl stearate	15.046	56	231948	28.65	ppb	99
87) Butylbenzylphthalate	14.795	149	396259	26.53	ppb	97
88) Benzo[a]anthracene	15.704	228	822252	25.39	ppb	99
89) 3,3'-Dichlorobenzidine	15.736	252	305842	26.78	ppb	98
90) Chrysene	15.768	228	765472	25.97	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.013	149	549749	25.77	ppb	98
93) Di-n-octylphthalate	17.237	149	956388	25.03	ppb	99
94) Benzo[b]fluoranthene	17.691	252	831173	24.91	ppb	99
95) Benzo[k]fluoranthene	17.739	252	784436	25.76	ppb	99
96) Benzo[a]pyrene	18.230	252	741996	25.26	ppb	99
97) Indeno[1,2,3-cd]pyrene	19.999	276	716955	24.97	ppb	96
98) Dibenz(a,h)acridine	19.662	279	619050	24.61	ppb	98
99) Dibenz[a,h]anthracene	20.047	278	693153	25.33	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.701	256	398916	26.68	ppb	97
101) Benzo[g,h,i]perylene	20.426	276	714749	25.26	ppb	99

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

9.6.61

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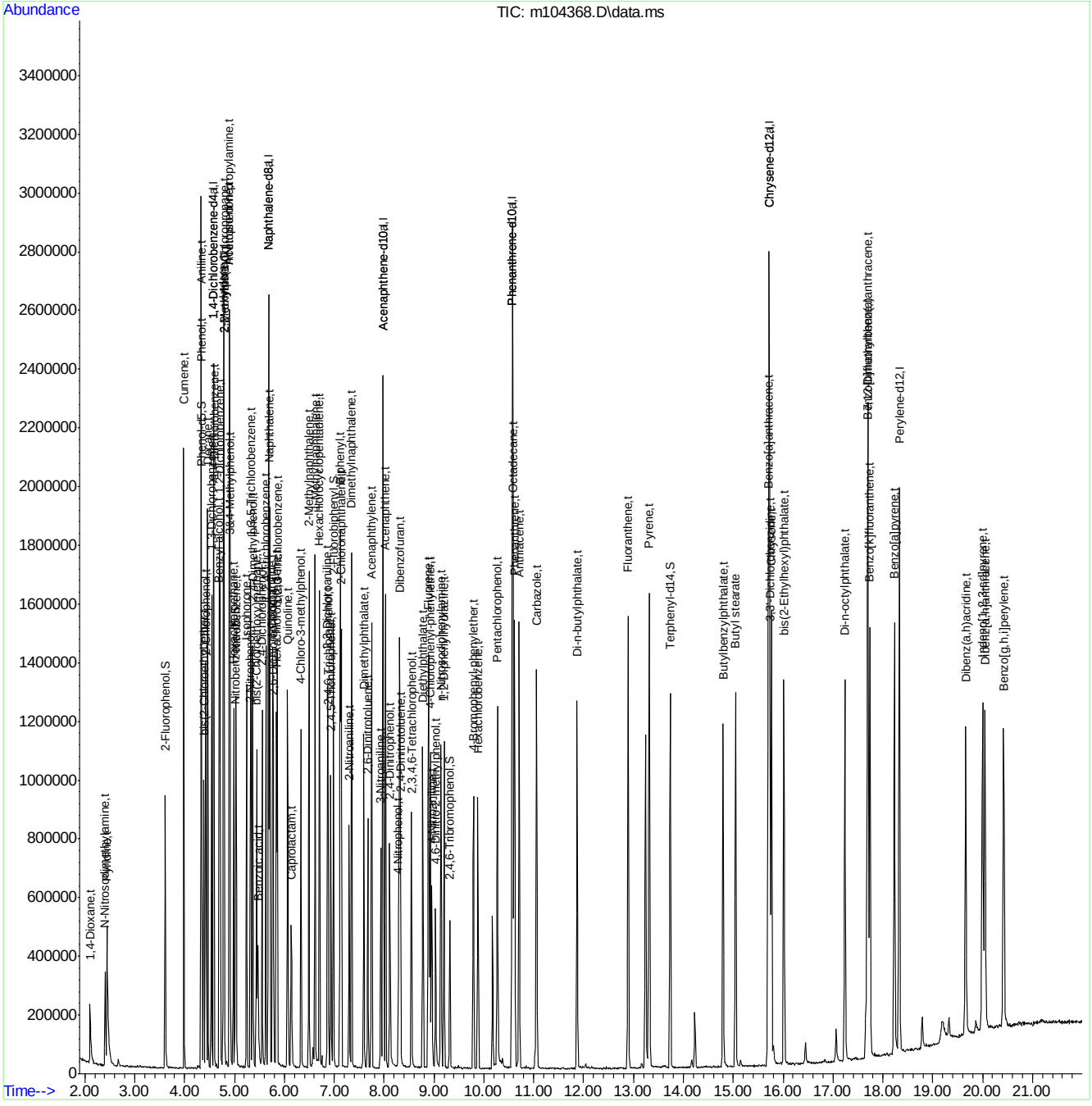
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104368.D
Acq On : 13 May 2014 5:06 pm
Operator : saumilp
Sample : IC4271-25
Misc : op73826,em4271
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 17:29:48 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:13:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	358368	40.00	ppb	0.00
24) Naphthalene-d8	5.680	136	1289521	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	744904	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1284863	40.00	ppb	0.00
83) Chrysene-d12	15.718	240	1295289	40.00	ppb	0.00
92) Perylene-d12	18.331	264	1138186	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	358368	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	744904	40.00	ppb	0.00
107) Chrysene-d12a	15.718	240	1295289	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1284863	40.00	ppb	0.00
112) Naphthalene-d8a	5.680	136	1289521	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.608	112	126096	9.99	ppb	0.00
Spiked Amount 50.000			Recovery = 19.98%			
8) Phenol-d5	4.329	99	163089	10.80	ppb	0.00
Spiked Amount 50.000			Recovery = 21.60%			
25) Nitrobenzene-d5	5.018	82	144091	10.68	ppb	0.00
Spiked Amount 50.000			Recovery = 21.36%			
51) 2-Fluorobiphenyl	6.984	172	252250	10.64	ppb	0.00
Spiked Amount 50.000			Recovery = 21.28%			
73) 2,4,6-Tribromophenol	9.318	330	31844	10.16	ppb	0.00
Spiked Amount 50.000			Recovery = 20.32%			
86) Terphenyl-d14	13.731	244	275123	10.14	ppb	0.00
Spiked Amount 50.000			Recovery = 20.28%			
109) 1-chlorooctadecane	0.000	57	0d	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	2.107	88	66770	11.09	ppb	97
3) Pyridine	2.449	79	174722	11.43	ppb	98
4) N-Nitrosodimethylamine	2.406	42	56059	10.17	ppb	99
6) Indene	4.778	116	265442	11.91	ppb	97
7) Cumene	3.987	105	384125	11.67	ppb	99
9) Phenol	4.340	94	195665	11.10	ppb	96
10) Aniline	4.334	93	211354	11.06	ppb	91
11) bis(2-Chloroethyl)ether	4.382	93	128283	10.57	ppb	96
12) 2-Chlorophenol	4.430	128	139240	10.70	ppb	99
13) Decane	4.462	43	128250	12.14	ppb	99
14) 1,3-Dichlorobenzene	4.537	146	144794	10.59	ppb	98
15) 1,4-Dichlorobenzene	4.591	146	149328	10.70	ppb	98
16) Benzyl alcohol	4.687	108	91759	10.74	ppb	96
17) 1,2-Dichlorobenzene	4.708	146	141737	10.98	ppb	98
18) Acetophenone	4.895	105	218033	11.86	ppb	99
19) 2-Methylphenol	4.788	108	129791	11.19	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.794	121	41794	11.12	ppb	99
21) 3&4-Methylphenol	4.906	108	136922	11.16	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.895	70	99265	11.37	ppb		95
23) Hexachloroethane	4.981	201	51313	10.74	ppb		97
26) Nitrobenzene	5.034	77	153711	10.90	ppb		98
27) Quinoline	6.060	129	291100	11.40	ppb		99
28) Isophorone	5.237	82	258489	10.79	ppb		99
29) 2-Nitrophenol	5.317	139	68938	10.67	ppb		97
30) 2,4-Dimethylphenol	5.360	107	119788	10.04	ppb		99
31) Benzoic acid	5.451	105	95650	10.39	ppb		92
32) bis(2-Chloroethoxy)met...	5.440	93	150816	10.95	ppb		98
33) 2,4-Dichlorophenol	5.552	162	103890	10.73	ppb		97
34) 2,6-Dichlorophenol	5.777	162	100671	10.73	ppb		97
35) 1,3,5-Trichlorobenzene	5.328	180	137446	11.77	ppb		97
36) 1,2,4-Trichlorobenzene	5.627	180	113357	10.61	ppb		96
37) 1,2,3-Trichlorobenzene	5.857	180	129547	11.71	ppb		99
38) Naphthalene	5.702	128	382247	10.81	ppb		99
39) 4-Chloroaniline	5.761	127	159792	10.79	ppb		96
40) 2,3-Dichloroaniline	6.861	161	144397	11.56	ppb		98
41) Caprolactam	6.129	55	58937	11.20	ppb		96
42) Hexachlorobutadiene	5.841	225	63396	10.68	ppb		98
43) 4-Chloro-3-methylphenol	6.332	107	119996	10.76	ppb		94
44) 2-Methylnaphthalene	6.492	141	213330	10.99	ppb		98
45) 1-Methylnaphthalene	6.615	142	269781	11.61	ppb		99
46) Dimethylnaphthalene	7.347	156	250090	11.62	ppb		98
48) Hexachlorocyclopentadiene	6.706	237	124632	20.42	ppb		100
49) 2,4,6-Trichlorophenol	6.877	196	76387	10.92	ppb		98
50) 2,4,5-Trichlorophenol	6.931	196	79788	10.52	ppb		97
52) 2-Chloronaphthalene	7.139	162	232902	11.01	ppb		100
53) Biphenyl	7.118	154	342386	11.81	ppb		98
54) 2-Nitroaniline	7.299	65	73583	10.46	ppb		94
55) Dimethylphthalate	7.593	163	250244	10.67	ppb		99
56) Acenaphthylene	7.748	152	375057	10.96	ppb		99
57) 2,6-Dinitrotoluene	7.673	165	60325	10.75	ppb		98
58) 3-Nitroaniline	7.930	138	66332	10.27	ppb		85
59) Acenaphthene	8.026	153	230540	11.17	ppb		97
60) 2,4-Dinitrophenol	8.111	184	60178	18.65	ppb		97
61) 4-Nitrophenol	8.287	109	37367	10.59	ppb	#	81
62) Dibenzofuran	8.309	168	322110	10.75	ppb		99
63) 2,4-Dinitrotoluene	8.325	165	79118	10.34	ppb		98
64) 2,3,4,6-Tetrachlorophenol	8.544	232	63110	10.36	ppb		95
65) Diethylphthalate	8.774	149	246571	10.68	ppb		96
66) Fluorene	8.886	166	266351	10.88	ppb		97
67) 4-Chlorophenyl-phenyle...	8.923	204	128596	11.16	ppb		97
68) 4-Nitroaniline	8.950	138	65548	10.44	ppb		96
70) 4,6-Dinitro-2-methylph...	9.030	198	46141	9.66	ppb		98
71) n-Nitrosodiphenylamine	9.137	169	182913	10.64	ppb		97
72) 1,2-Diphenylhydrazine	9.196	77	296449	10.70	ppb		99
74) 4-Bromophenyl-phenylether	9.789	248	71136	10.93	ppb		97
75) Hexachlorobenzene	9.879	284	72119	10.64	ppb		96
76) Pentachlorophenol	10.269	266	86089	20.17	ppb		96
77) Phenanthrene	10.611	178	383960	10.52	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration

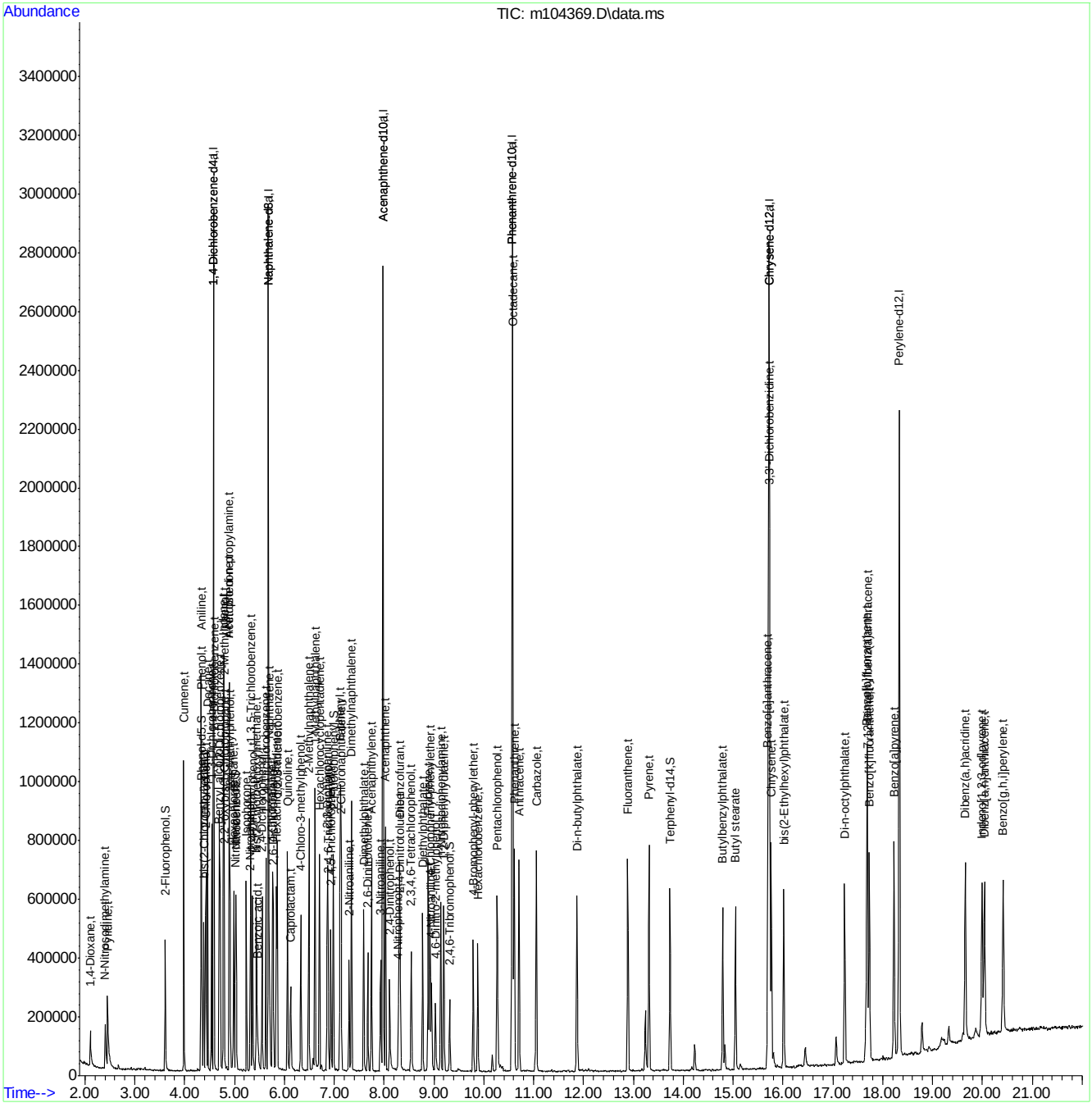
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	10.707	178	390320	10.38	ppb	98
79)	Carbazole	11.055	167	417405	11.32	ppb	98
80)	Di-n-butylphthalate	11.867	149	426959	10.59	ppb	98
81)	Fluoranthene	12.887	202	423278	10.35	ppb	99
82)	Octadecane	10.579	57	170185	11.49	ppb	99
84)	Pyrene	13.314	202	448540	10.27	ppb	99
85)	Butyl stearate	15.045	56	107056	10.57	ppb	98
87)	Butylbenzylphthalate	14.794	149	188697	10.27	ppb	96
88)	Benzo[a]anthracene	15.697	228	395100	10.00	ppb	99
89)	3,3'-Dichlorobenzidine	15.729	252	142202	10.10	ppb	96
90)	Chrysene	15.761	228	368740	10.21	ppb	96
91)	bis(2-Ethylhexyl)phtha...	16.012	149	264099	10.12	ppb	95
93)	Di-n-octylphthalate	17.236	149	457244	10.42	ppb	99
94)	Benzo[b]fluoranthene	17.684	252	400409	10.46	ppb	100
95)	Benzo[k]fluoranthene	17.732	252	378010	10.74	ppb	96
96)	Benzo[a]pyrene	18.224	252	352437	10.42	ppb	97
97)	Indeno[1,2,3-cd]pyrene	19.992	276	340836	10.34	ppb	93
98)	Dibenz(a,h)acridine	19.656	279	331487	11.51	ppb	78
99)	Dibenz[a,h]anthracene	20.040	278	331464	10.52	ppb	99
100)	7,12-Dimethylbenz(a)an...	17.695	256	152602	8.77	ppb	99
101)	Benzo[g,h,i]perylene	20.414	276	354401	10.88	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104369.D
Acq On : 13 May 2014 5:35 pm
Operator : saumilp
Sample : IC4271-10
Misc : op73826,em4271
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 13 18:09:03 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:30:01 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

M104370.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 05/14/14 10:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	358313	40.00	ppb	0.00
24) Naphthalene-d8	5.684	136	1298025	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	746145	40.00	ppb	0.00
69) Phenanthrene-d10	10.572	188	1297093	40.00	ppb	0.00
83) Chrysene-d12	15.716	240	1321772	40.00	ppb	0.00
92) Perylene-d12	18.334	264	1155060	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	358313	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	746145	40.00	ppb	0.00
107) Chrysene-d12a	15.716	240	1321772	40.00	ppb	0.00
110) Phenanthrene-d10a	10.572	188	1297093	40.00	ppb	0.00
112) Naphthalene-d8a	5.684	136	1298025	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.611	112	66505	5.34	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.68%	
8) Phenol-d5	4.327	99	85683	5.77	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.54%	
25) Nitrobenzene-d5	5.016	82	74173	5.52	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.04%	
51) 2-Fluorobiphenyl	6.982	172	134203	5.73	ppb	0.00
Spiked Amount 50.000			Recovery	=	11.46%	
73) 2,4,6-Tribromophenol	9.316	330	16026	5.13	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.26%	
86) Terphenyl-d14	13.734	244	143130	5.24	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.48%	
109) 1-chlorooctadecane	0.000	57	0d	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	2.110	88	33872	5.66	ppb	92
3) Pyridine	2.457	79	88405	5.98	ppb	94
4) N-Nitrosodimethylamine	2.409	42	31213	5.71	ppb	91
6) Indene	4.775	116	142951	6.68	ppb	97
7) Cumene	3.985	105	200838	6.29	ppb	97
9) Phenol	4.337	94	101500m	5.92	ppb	
10) Aniline	4.337	93	118051	6.25	ppb	73
11) bis(2-Chloroethyl)ether	4.380	93	69483	5.78	ppb	99
12) 2-Chlorophenol	4.428	128	73464	5.75	ppb	93
13) Decane	4.460	43	69561	6.75	ppb	90
14) 1,3-Dichlorobenzene	4.535	146	76849	5.79	ppb	95
15) 1,4-Dichlorobenzene	4.594	146	77605	5.65	ppb	96
16) Benzyl alcohol	4.690	108	46561	5.53	ppb	96
17) 1,2-Dichlorobenzene	4.711	146	73864	5.78	ppb	98
18) Acetophenone	4.893	105	111503	6.23	ppb	95
19) 2-Methylphenol	4.786	108	68830	5.99	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.791	121	23224	6.24	ppb	99
21) 3&4-Methylphenol	4.909	108	66421	5.60	ppb	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.893	70	53187	6.20	ppb		91
23)	Hexachloroethane	4.978	201	27977	6.03	ppb		84
26)	Nitrobenzene	5.032	77	80598	5.81	ppb		98
27)	Quinoline	6.063	129	154130	6.15	ppb		98
28)	Isophorone	5.240	82	137616	5.84	ppb		100
29)	2-Nitrophenol	5.315	139	35778	5.65	ppb		95
30)	2,4-Dimethylphenol	5.363	107	62411	5.45	ppb		94
31)	Benzoic acid	5.443	105	43374	4.88	ppb		92
32)	bis(2-Chloroethoxy)met...	5.438	93	79402	5.80	ppb		99
33)	2,4-Dichlorophenol	5.550	162	51926	5.44	ppb		96
34)	2,6-Dichlorophenol	5.774	162	53148	5.76	ppb		98
35)	1,3,5-Trichlorobenzene	5.326	180	74670	6.54	ppb		96
36)	1,2,4-Trichlorobenzene	5.625	180	61408	5.78	ppb		95
37)	1,2,3-Trichlorobenzene	5.860	180	68167	6.28	ppb		97
38)	Naphthalene	5.705	128	200416	5.73	ppb		98
39)	4-Chloroaniline	5.764	127	84717	5.81	ppb		97
40)	2,3-Dichloroaniline	6.864	161	76373	6.31	ppb		95
41)	Caprolactam	6.122	55	30558	5.92	ppb		94
42)	Hexachlorobutadiene	5.838	225	32152	5.52	ppb		96
43)	4-Chloro-3-methylphenol	6.330	107	61453	5.63	ppb		97
44)	2-Methylnaphthalene	6.490	141	109735	5.74	ppb		96
45)	1-Methylnaphthalene	6.613	142	143861	6.39	ppb		97
46)	Dimethylnaphthalene	7.345	156	132227	6.30	ppb		97
48)	Hexachlorocyclopentadiene	6.704	237	60830	10.54	ppb		99
49)	2,4,6-Trichlorophenol	6.875	196	40083	5.83	ppb		96
50)	2,4,5-Trichlorophenol	6.928	196	42317	5.68	ppb		97
52)	2-Chloronaphthalene	7.137	162	125604	6.06	ppb		99
53)	Biphenyl	7.121	154	176768	6.24	ppb		98
54)	2-Nitroaniline	7.297	65	37901	5.44	ppb		93
55)	Dimethylphthalate	7.591	163	132869	5.74	ppb		99
56)	Acenaphthylene	7.746	152	194390	5.80	ppb		99
57)	2,6-Dinitrotoluene	7.671	165	31334	5.70	ppb		97
58)	3-Nitroaniline	7.927	138	34890	5.52	ppb		97
59)	Acenaphthene	8.023	153	119154	5.90	ppb		94
60)	2,4-Dinitrophenol	8.114	184	24434	8.47	ppb		81
61)	4-Nitrophenol	8.290	109	18606	5.43	ppb	#	31
62)	Dibenzofuran	8.307	168	171647	5.81	ppb		92
63)	2,4-Dinitrotoluene	8.328	165	41713	5.58	ppb		100
64)	2,3,4,6-Tetrachlorophenol	8.547	232	32657	5.50	ppb		92
65)	Diethylphthalate	8.771	149	131435	5.77	ppb		100
66)	Fluorene	8.889	166	135882	5.63	ppb		97
67)	4-Chlorophenyl-phenyle...	8.921	204	68157	6.01	ppb		98
68)	4-Nitroaniline	8.948	138	33128	5.38	ppb		92
70)	4,6-Dinitro-2-methylph...	9.028	198	20187	4.51	ppb		98
71)	n-Nitrosodiphenylamine	9.135	169	92664	5.43	ppb		97
72)	1,2-Diphenylhydrazine	9.193	77	154860	5.67	ppb		94
74)	4-Bromophenyl-phenylether	9.786	248	35971	5.63	ppb		96
75)	Hexachlorobenzene	9.877	284	37960	5.68	ppb		97
76)	Pentachlorophenol	10.272	266	41938	10.13	ppb		91
77)	Phenanthrene	10.609	178	203036	5.59	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	10.705	178	204143	5.48	ppb	97
79)	Carbazole	11.052	167	216490	5.97	ppb	99
80)	Di-n-butylphthalate	11.864	149	217394	5.49	ppb	99
81)	Fluoranthene	12.890	202	220006	5.42	ppb	98
82)	Octadecane	10.582	57	92408	6.34	ppb	93
84)	Pyrene	13.312	202	237591	5.41	ppb	97
85)	Butyl stearate	15.043	56	53198	5.32	ppb	95
87)	Butylbenzylphthalate	14.792	149	96824	5.28	ppb	95
88)	Benzo[a]anthracene	15.700	228	207365	5.14	ppb	98
89)	3,3'-Dichlorobenzidine	15.732	252	75433	5.38	ppb	97
90)	Chrysene	15.759	228	199158	5.47	ppb	97
91)	bis(2-Ethylhexyl)phtha...	16.015	149	138676	5.27	ppb	99
93)	Di-n-octylphthalate	17.233	149	234424	5.36	ppb	97
94)	Benzo[b]fluoranthene	17.682	252	209491	5.50	ppb	97
95)	Benzo[k]fluoranthene	17.730	252	198372	5.61	ppb	97
96)	Benzo[a]pyrene	18.222	252	181473	5.32	ppb	95
97)	Indeno[1,2,3-cd]pyrene	19.990	276	179934	5.40	ppb	96
98)	Dibenz(a,h)acridine	19.653	279	171145	6.04	ppb	76
99)	Dibenz[a,h]anthracene	20.038	278	164713	5.15	ppb	99
100)	7,12-Dimethylbenz(a)an...	17.687	256	69188	4.27	ppb	95
101)	Benzo[g,h,i]perylene	20.412	276	183160	5.52	ppb	97

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

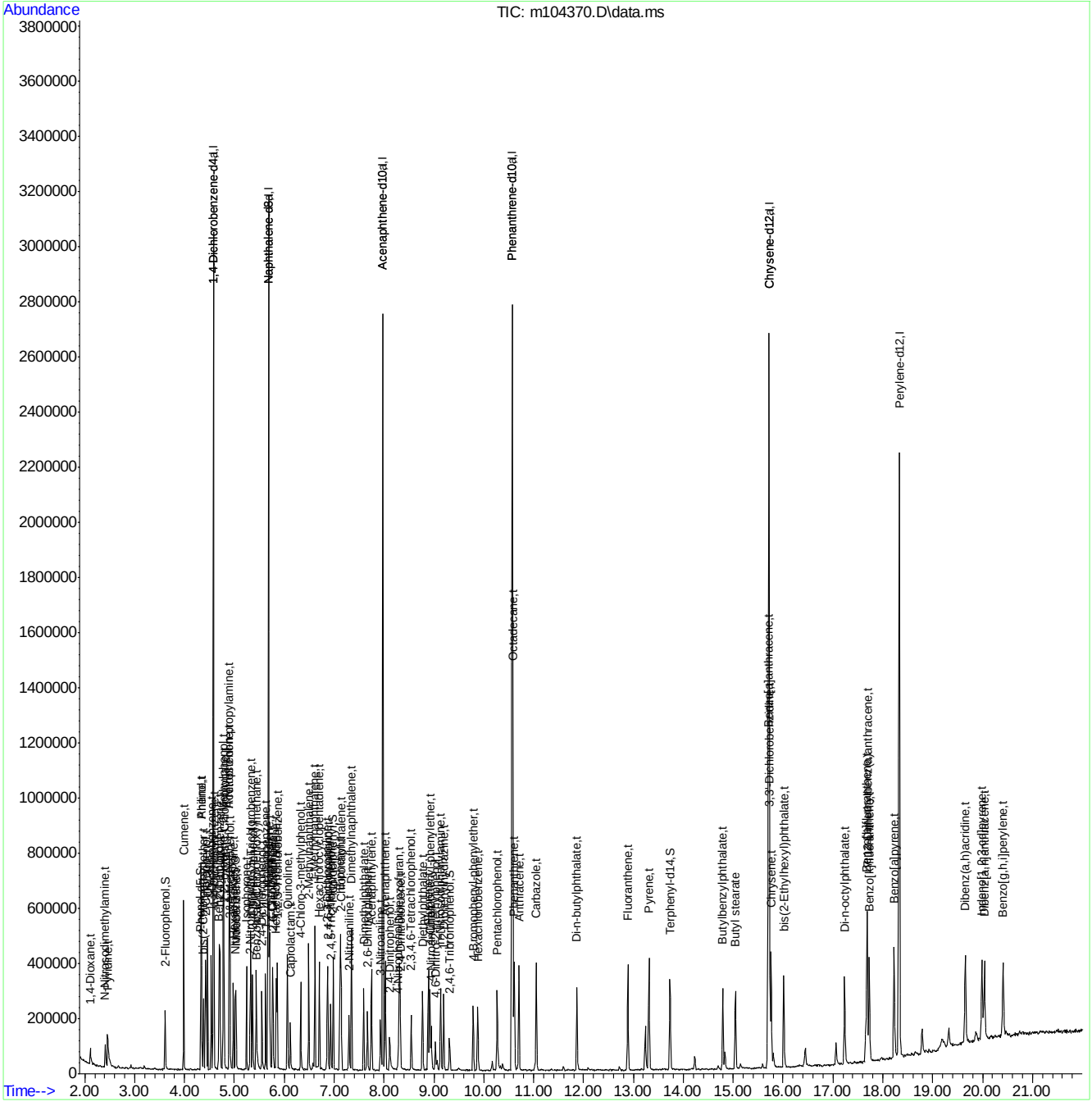
9.6.93

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:57:10 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration



MM4271.M Wed May 14 08:57:21 2014 MSM Page: 4

Manual Integration Approval Summary

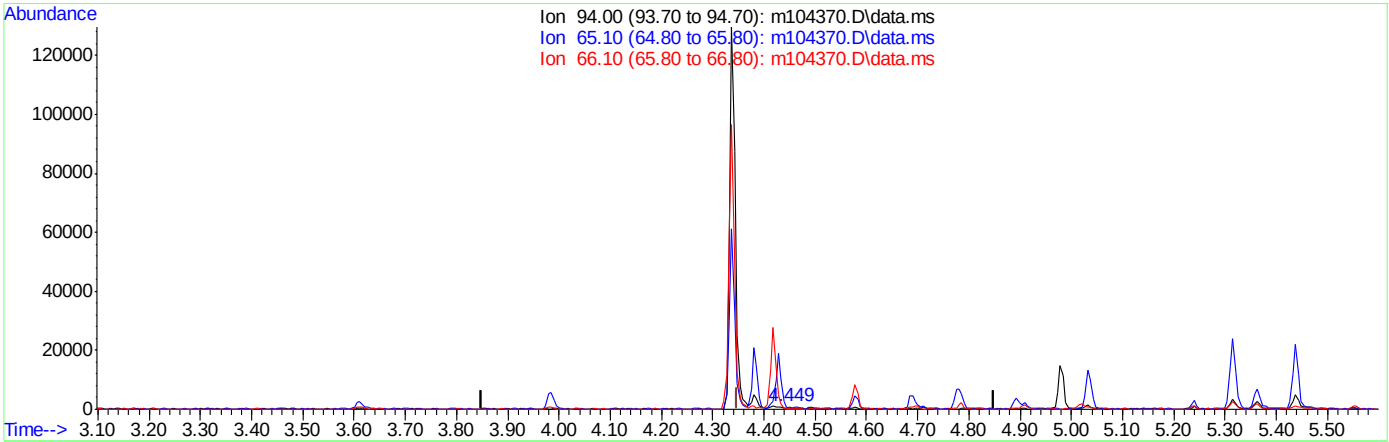
Sample Number: EM4271-IC4271
Lab FileID: M104370.D
Injection Time: 05/13/14 18:03
Method: SW846 8270D
Analyst approved: 05/14/14 09:32 Saumil Patel
Supervisor approved: 05/14/14 10:59 Nina Pandya

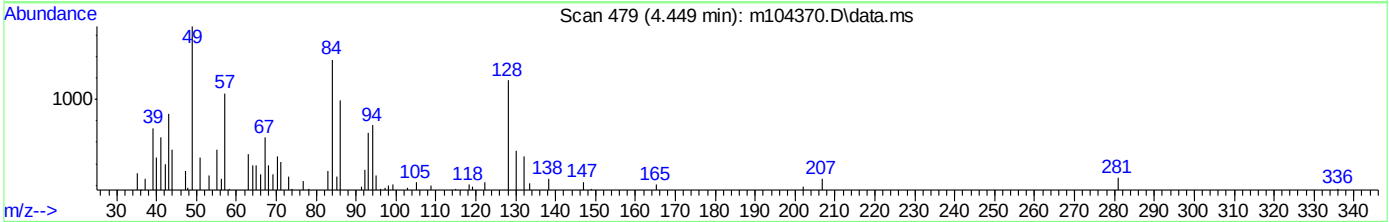
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		4.34	Poor instrument integration

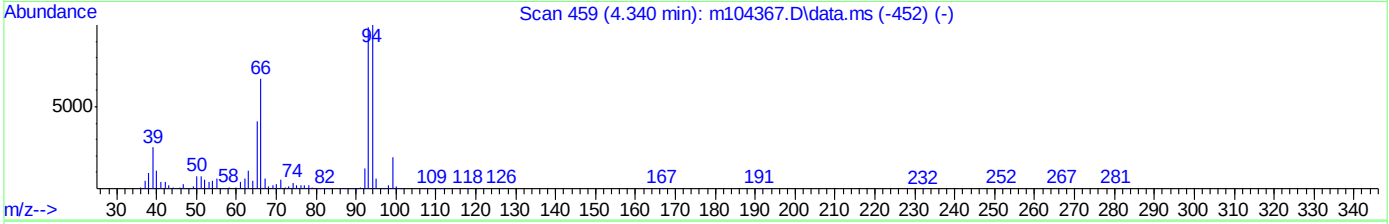
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:53:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue May 13 17:04:05 2014
Response via : Initial Calibration







TIC: m104370.D\data.ms

(9) Phenol (t)

4.449min (+0.101) 0.04ppb

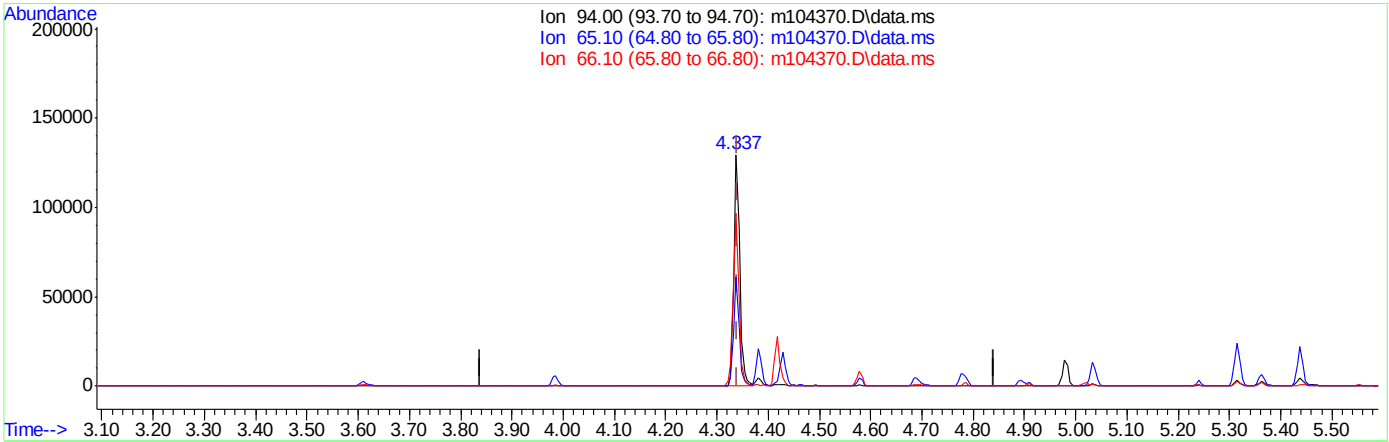
response 724

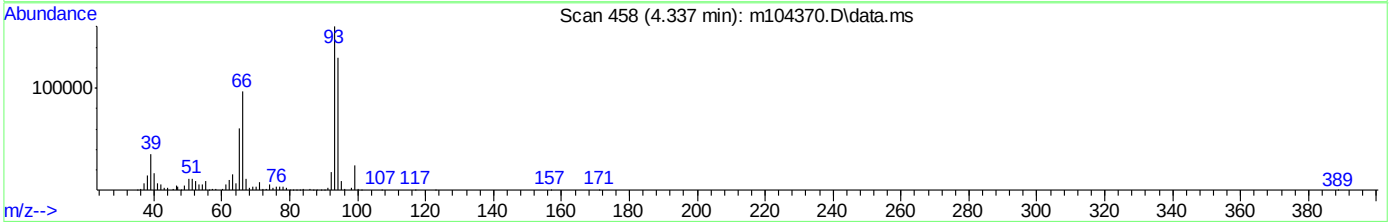
Ion	Exp%	Act%
94.00	100	100
65.10	26.90	9.29
66.10	40.30	35.33
0.00	0.00	0.00

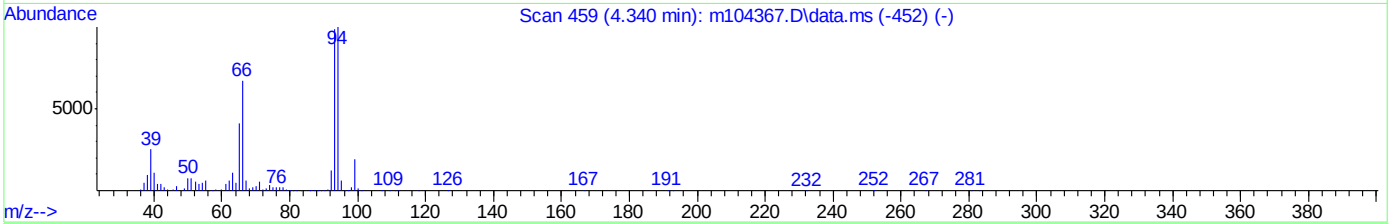
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104370.D
Acq On : 13 May 2014 6:03 pm
Operator : saumilp
Sample : IC4271-5
Misc : op73826,em4271
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 08:55:19 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 08:55:08 2014
Response via : Initial Calibration







TIC: m104370.D\data.ms

(9) Phenol (t)

4.337min (-0.003) 5.92ppb m

response 101500

Ion	Exp%	Act%
94.00	100	100
65.10	26.90	47.10
66.10	40.30	74.51#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.581	152	367690	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1338956	40.00	ppb	0.00
47) Acenaphthene-d10	7.979	164	776816	40.00	ppb	0.00
69) Phenanthrene-d10	10.570	188	1356289	40.00	ppb	0.00
83) Chrysene-d12	15.714	240	1352165	40.00	ppb	0.00
92) Perylene-d12	18.332	264	1195968	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.581	152	367690	40.00	ppb	0.00
104) Acenaphthene-d10a	7.979	164	776816	40.00	ppb	0.00
107) Chrysene-d12a	15.714	240	1352165	40.00	ppb	0.00
110) Phenanthrene-d10a	10.570	188	1356289	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1338956	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	26384	2.02	ppb	0.00
Spiked Amount 50.000			Recovery =	4.04%		
8) Phenol-d5	4.330	99	35922	2.22	ppb	0.00
Spiked Amount 50.000			Recovery =	4.44%		
25) Nitrobenzene-d5	5.019	82	29123	2.03	ppb	0.00
Spiked Amount 50.000			Recovery =	4.06%		
51) 2-Fluorobiphenyl	6.980	172	54676	2.13	ppb	0.00
Spiked Amount 50.000			Recovery =	4.26%		
73) 2,4,6-Tribromophenol	9.314	330	6736	2.02	ppb	0.00
Spiked Amount 50.000			Recovery =	4.04%		
86) Terphenyl-d14	13.732	244	58705	2.05	ppb	0.00
Spiked Amount 50.000			Recovery =	4.10%		
109) 1-chlorooctadecane	0.000	57	0d	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	2.113	88	14810	2.27	ppb	87
3) Pyridine	2.471	79	34377	2.09	ppb	96
4) N-Nitrosodimethylamine	2.418	42	12808	2.19	ppb	99
6) Indene	4.779	116	56759	2.28	ppb	99
7) Cumene	3.983	105	82856	2.28	ppb	98
9) Phenol	4.341	94	40754	2.15	ppb	98
10) Aniline	4.336	93	47184	2.25	ppb	90
11) bis(2-Chloroethyl)ether	4.384	93	28755	2.21	ppb	90
12) 2-Chlorophenol	4.432	128	30062	2.16	ppb	90
13) Decane	4.464	43	28503	2.38	ppb	96
14) 1,3-Dichlorobenzene	4.539	146	31640	2.17	ppb	97
15) 1,4-Dichlorobenzene	4.592	146	31457	2.12	ppb	96
16) Benzyl alcohol	4.688	108	19551	2.16	ppb	93
17) 1,2-Dichlorobenzene	4.710	146	30685	2.21	ppb	92
18) Acetophenone	4.891	105	46067	2.27	ppb	97
19) 2-Methylphenol	4.784	108	27727	2.20	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.790	121	9906	2.38	ppb	93
21) 3&4-Methylphenol	4.907	108	27794	2.13	ppb	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.891	70	21586	2.25	ppb		91
23) Hexachloroethane	4.982	201	10843	2.12	ppb		90
26) Nitrobenzene	5.035	77	33098	2.16	ppb		94
27) Quinoline	6.061	129	61363	2.18	ppb		98
28) Isophorone	5.238	82	55608	2.14	ppb		99
29) 2-Nitrophenol	5.319	139	15162	2.18	ppb		93
30) 2,4-Dimethylphenol	5.361	107	23080	1.87	ppb		97
31) Benzoic acid	5.447	105	16488	1.76	ppb		90
32) bis(2-Chloroethoxy)met...	5.436	93	31736	2.13	ppb		100
33) 2,4-Dichlorophenol	5.554	162	20531	2.00	ppb		93
34) 2,6-Dichlorophenol	5.773	162	21787	2.15	ppb		91
35) 1,3,5-Trichlorobenzene	5.329	180	29932	2.27	ppb		99
36) 1,2,4-Trichlorobenzene	5.628	180	25017	2.17	ppb		94
37) 1,2,3-Trichlorobenzene	5.858	180	28159	2.28	ppb		96
38) Naphthalene	5.703	128	82062	2.15	ppb		99
39) 4-Chloroaniline	5.762	127	34632	2.16	ppb		99
40) 2,3-Dichloroaniline	6.862	161	32189	2.31	ppb		99
41) Caprolactam	6.114	55	12609	2.18	ppb		92
42) Hexachlorobutadiene	5.842	225	13779	2.17	ppb		91
43) 4-Chloro-3-methylphenol	6.328	107	24349	2.05	ppb		95
44) 2-Methylnaphthalene	6.488	141	43802	2.09	ppb		95
45) 1-Methylnaphthalene	6.617	142	59317	2.28	ppb		98
46) Dimethylnaphthalene	7.343	156	52782	2.21	ppb		99
48) Hexachlorocyclopentadiene	6.702	237	21110	3.38	ppb		94
49) 2,4,6-Trichlorophenol	6.873	196	15488	2.05	ppb		98
50) 2,4,5-Trichlorophenol	6.932	196	17781	2.17	ppb		97
52) 2-Chloronaphthalene	7.135	162	50142	2.16	ppb		97
53) Biphenyl	7.119	154	72349	2.23	ppb		97
54) 2-Nitroaniline	7.295	65	15672	2.09	ppb		93
55) Dimethylphthalate	7.589	163	54229	2.14	ppb		96
56) Acenaphthylene	7.744	152	79545	2.14	ppb		98
57) 2,6-Dinitrotoluene	7.669	165	11201	1.88	ppb		88
58) 3-Nitroaniline	7.931	138	13300	1.95	ppb		89
59) Acenaphthene	8.022	153	48683	2.15	ppb		92
60) 2,4-Dinitrophenol	8.118	184	6347	1.78	ppb		86
61) 4-Nitrophenol	8.294	109	8092	2.14	ppb	#	72
62) Dibenzofuran	8.310	168	70775	2.17	ppb		99
63) 2,4-Dinitrotoluene	8.326	165	16316	2.01	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.545	232	12233	1.91	ppb		93
65) Diethylphthalate	8.770	149	52937	2.12	ppb		97
66) Fluorene	8.887	166	56259	2.12	ppb		97
67) 4-Chlorophenyl-phenyle...	8.919	204	27430	2.16	ppb		95
68) 4-Nitroaniline	8.946	138	13269	2.00	ppb		89
70) 4,6-Dinitro-2-methylph...	9.037	198	7089	1.41	ppb		84
71) n-Nitrosodiphenylamine	9.133	169	37188	2.01	ppb		97
72) 1,2-Diphenylhydrazine	9.197	77	62128	2.06	ppb		98
74) 4-Bromophenyl-phenylether	9.785	248	14909	2.10	ppb		98
75) Hexachlorobenzene	9.875	284	15553	2.10	ppb		97
76) Pentachlorophenol	10.271	266	15385	3.49	ppb		83
77) Phenanthrene	10.607	178	83042	2.09	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	10.703	178	82811	2.05	ppb	98
79)	Carbazole	11.051	167	88221	2.15	ppb	98
80)	Di-n-butylphthalate	11.868	149	86722	2.00	ppb	99
81)	Fluoranthene	12.888	202	92187	2.09	ppb	99
82)	Octadecane	10.581	57	38010	2.26	ppb	97
84)	Pyrene	13.310	202	95797	2.06	ppb	96
85)	Butyl stearate	15.047	56	21764	2.03	ppb	94
87)	Butylbenzylphthalate	14.790	149	37733	1.96	ppb	97
88)	Benzo[a]anthracene	15.698	228	87194	2.09	ppb	94
89)	3,3'-Dichlorobenzidine	15.730	252	29470	1.99	ppb	99
90)	Chrysene	15.762	228	80855	2.10	ppb	98
91)	bis(2-Ethylhexyl)phtha...	16.013	149	53228	1.95	ppb	97
93)	Di-n-octylphthalate	17.237	149	92637	1.98	ppb	99
94)	Benzo[b]fluoranthene	17.680	252	81830	2.00	ppb	96
95)	Benzo[k]fluoranthene	17.728	252	84781	2.20	ppb	97
96)	Benzo[a]pyrene	18.220	252	75525	2.08	ppb	94
97)	Indeno[1,2,3-cd]pyrene	19.983	276	73990	2.09	ppb	91
98)	Dibenz(a,h)acridine	19.651	279	70009	2.18	ppb	95
99)	Dibenz[a,h]anthracene	20.036	278	68684	2.04	ppb	97
100)	7,12-Dimethylbenz(a)an...	17.691	256	23012	2.60	ppb	93
101)	Benzo[g,h,i]perylene	20.410	276	75370	2.12	ppb	96

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

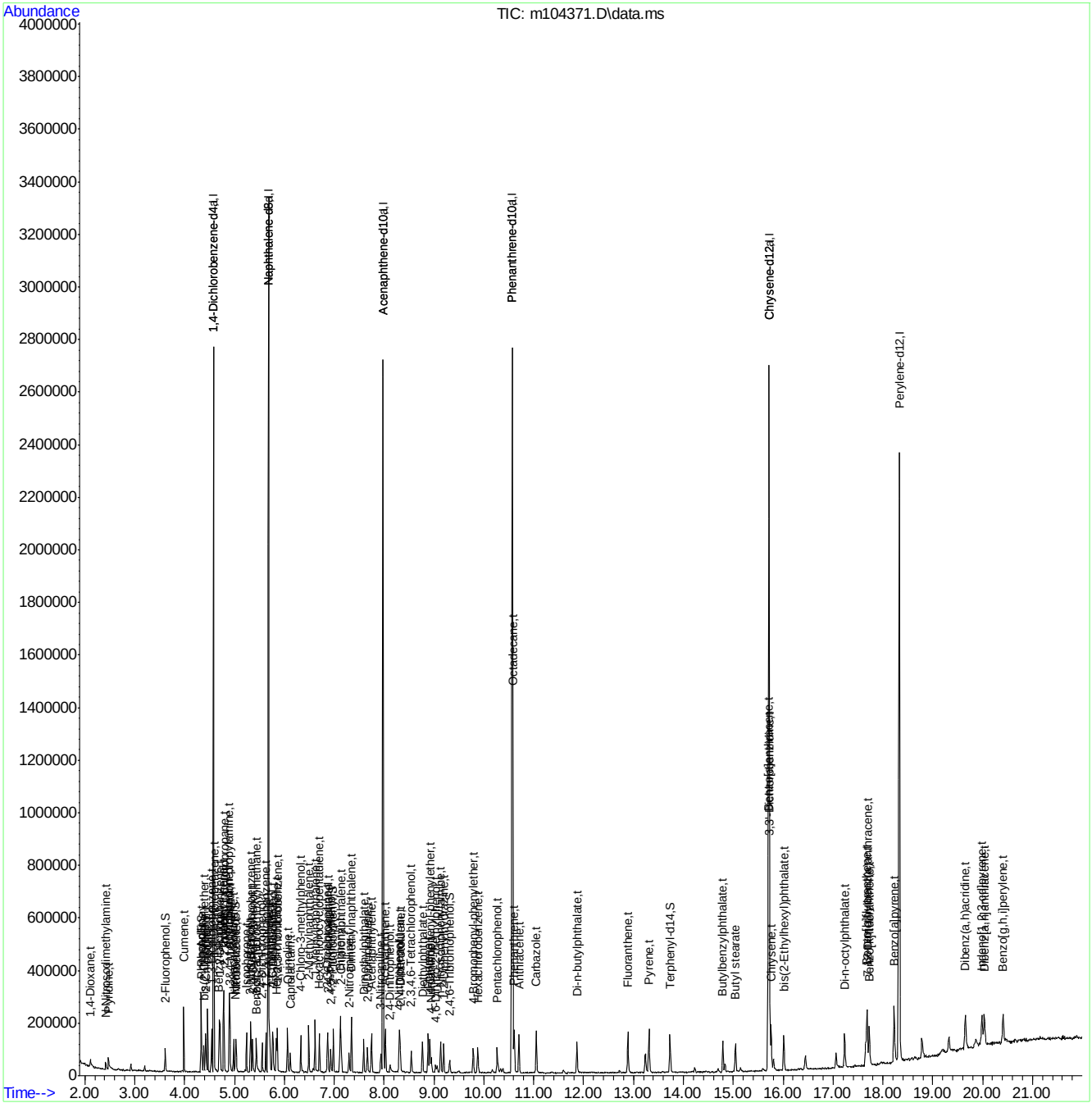
9.6.64

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4271\
Data File : m104371.D
Acq On : 13 May 2014 6:32 pm
Operator : saumilp
Sample : IC4271-2
Misc : op73826,em4271
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 09:17:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:16:14 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104373.D
Acq On : 14 May 2014 8:40 am
Operator : saumilp
Sample : IC4272-100
Misc : op73826,em4272
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 12:41:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 12:36:03 2014
Response via : Initial Calibration

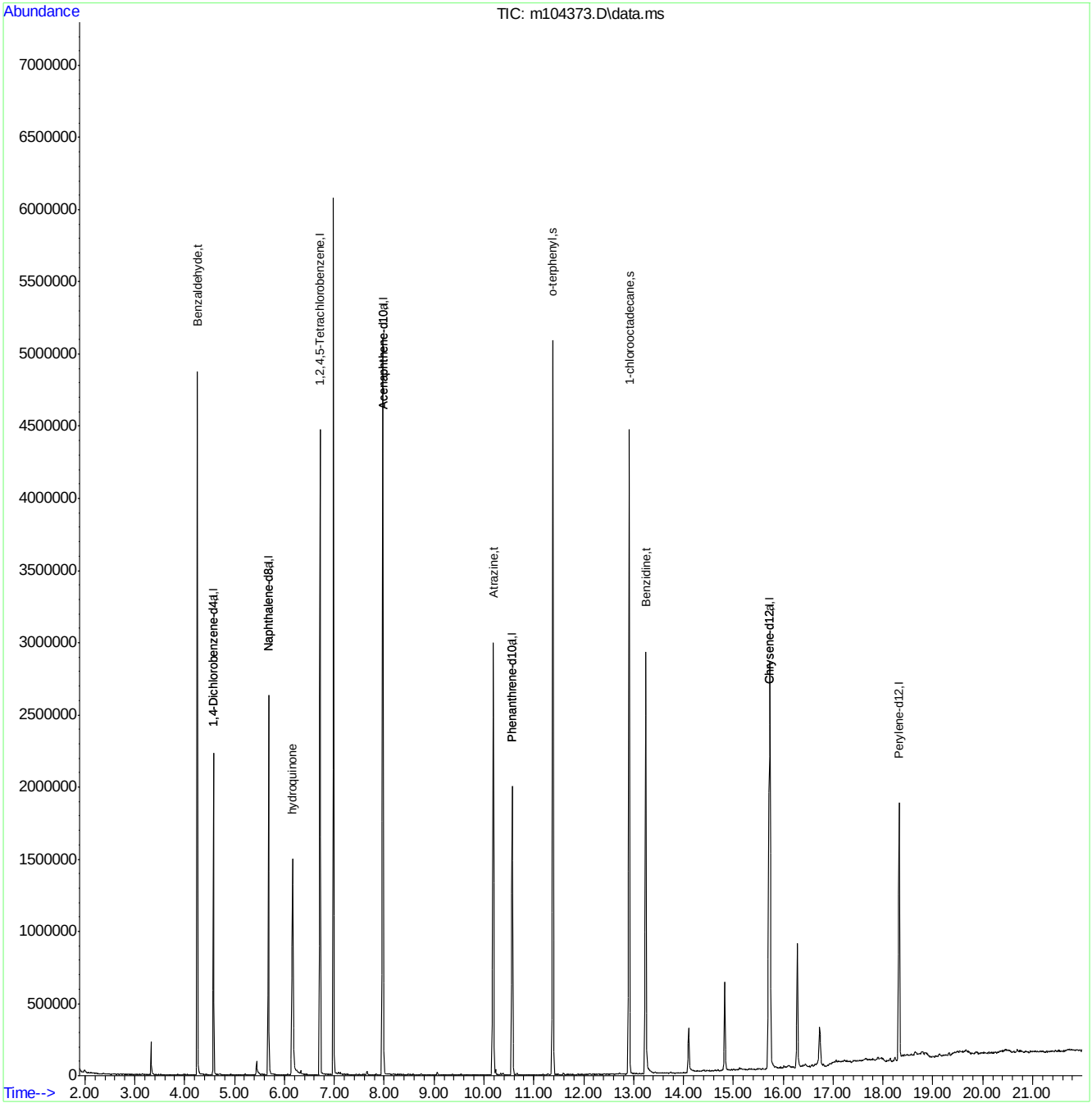
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	290068	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1048147	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	589463	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1031340	40.00	ppb	0.00
83) Chrysene-d12	15.713	240	1019833	40.00	ppb	0.00
92) Perylene-d12	18.326	264	940576	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	290068	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	589463	40.00	ppb	0.00
107) Chrysene-d12a	15.713	240	1019833	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1031340	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1048147	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%			
86) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	12.914	57	790423	97.82	ppb	0.00
Spiked Amount 50.000			Recovery = 195.64%			
111) o-terphenyl	11.381	230	1533353	98.20	ppb	0.00
Spiked Amount 50.000			Recovery = 196.40%			
Target Compounds						Qvalue
103) Benzaldehyde	4.254	105	801071	94.77	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.712	216	918346	99.26	ppb	100
106) Atrazine	10.190	215	323442	103.26	ppb	100
108) Benzidine	13.245	184	1752631	88.35	ppb	100
113) hydroquinone	6.167	110	1121049	113.00	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104373.D
Acq On : 14 May 2014 8:40 am
Operator : saumilp
Sample : IC4272-100
Misc : op73826,em4272
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 12:41:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 12:36:03 2014
Response via : Initial Calibration



MM4271.M Wed May 14 12:41:25 2014 MSM Page: 2

ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104374.D
Acq On : 14 May 2014 9:08 am
Operator : saumilp
Sample : IC4272-80
Misc : op73826,em4272
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 14 09:54:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

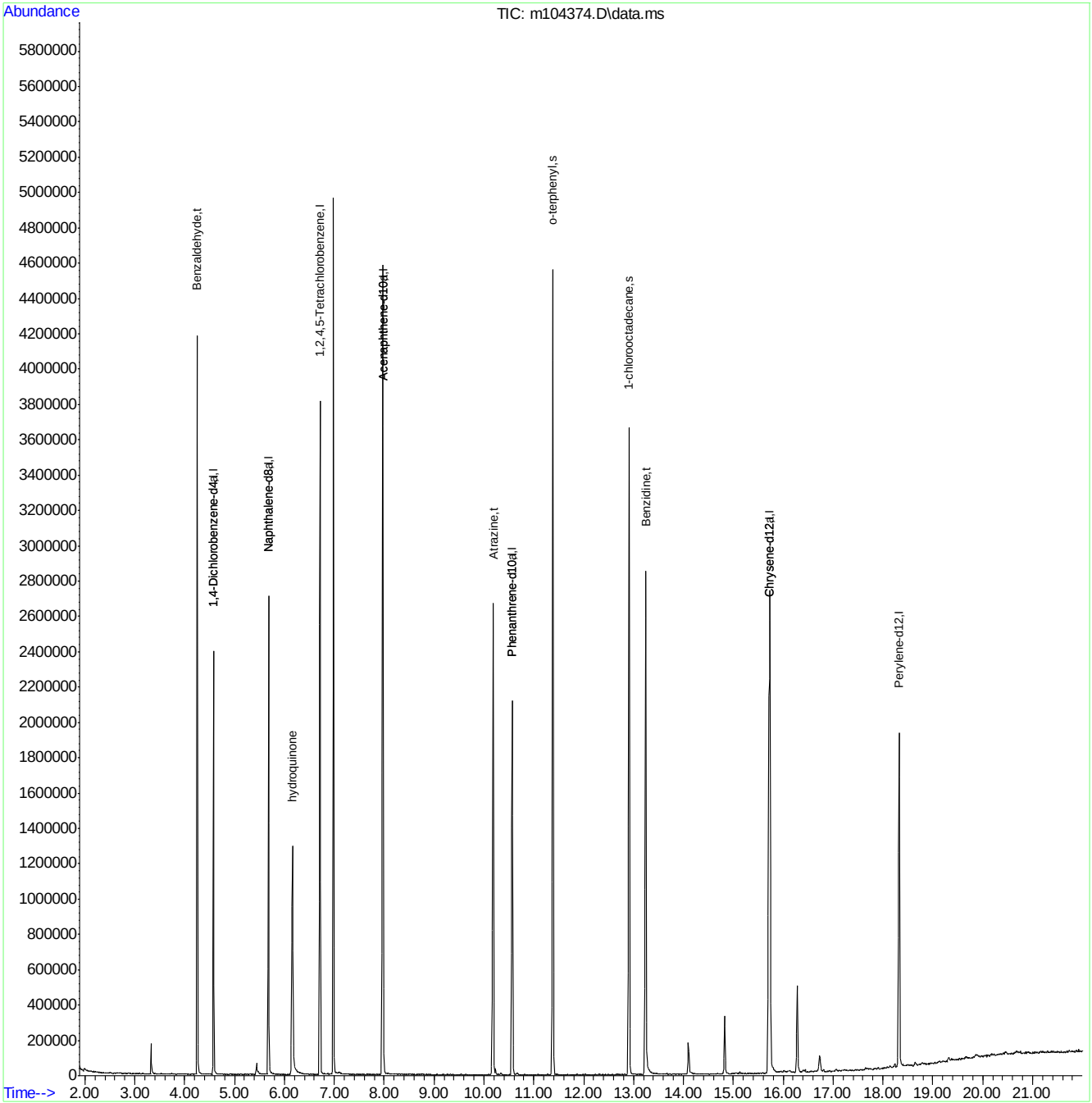
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	304311	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1096239	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	612810	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1081255	40.00	ppb	0.00
83) Chrysene-d12	15.713	240	1062481	40.00	ppb	0.00
92) Perylene-d12	18.326	264	981074	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.575	152	304311	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	612810	40.00	ppb	0.00
107) Chrysene-d12a	15.713	240	1062481	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1081255	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1096239	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.909	57	681297	82.73	ppb	0.00
Spiked Amount 50.000			Recovery =	165.46%		
111) o-terphenyl	11.381	230	1296466	80.65	ppb	0.00
Spiked Amount 50.000			Recovery =	161.30%		
Target Compounds						Qvalue
103) Benzaldehyde	4.249	105	690783	82.20	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.712	216	784522	82.17	ppb	99
106) Atrazine	10.190	215	275905	82.05	ppb	98
108) Benzidine	13.245	184	1682270	92.13	ppb	99
113) hydroquinone	6.162	110	952688	81.25	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104374.D
Acq On : 14 May 2014 9:08 am
Operator : saumilp
Sample : IC4272-80
Misc : op73826,em4272
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 14 09:54:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104375.D
Acq On : 14 May 2014 9:37 am
Operator : saumilp
Sample : ICC4272-50
Misc : op73826,em4272
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 14 10:01:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

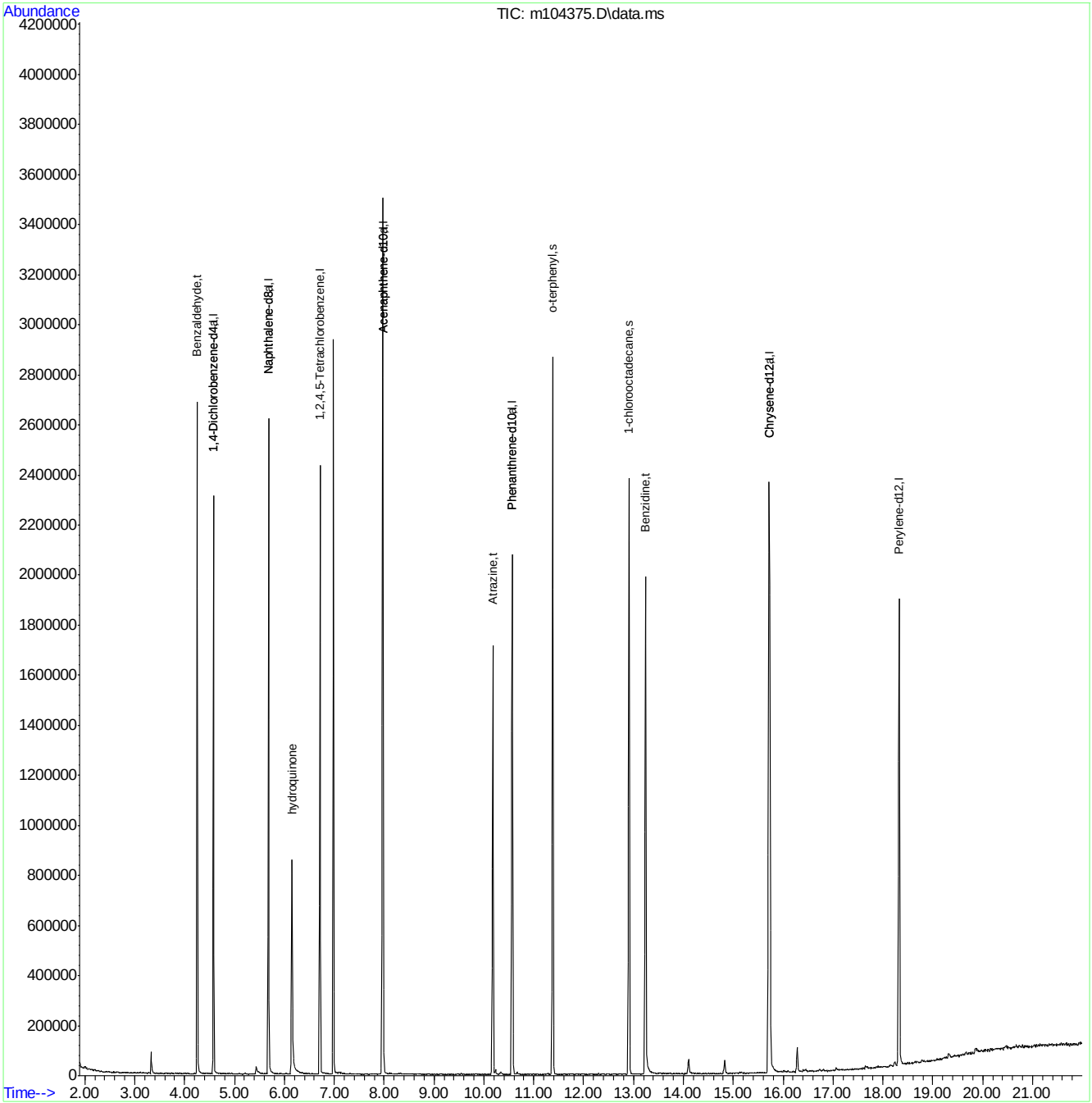
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	293090	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1057871	40.00	ppb	0.00
47) Acenaphthene-d10	7.978	164	604758	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1069113	40.00	ppb	0.00
83) Chrysene-d12	15.714	240	1057148	40.00	ppb	0.00
92) Perylene-d12	18.326	264	967359	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.575	152	293090	40.00	ppb	0.00
104) Acenaphthene-d10a	7.978	164	604758	40.00	ppb	0.00
107) Chrysene-d12a	15.714	240	1057148	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1069113	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1057871	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.909	57	424090	51.76	ppb	0.00
Spiked Amount 50.000			Recovery =	103.52%		
111) o-terphenyl	11.381	230	799934	50.33	ppb	0.00
Spiked Amount 50.000			Recovery =	100.66%		
Target Compounds						Qvalue
103) Benzaldehyde	4.249	105	425104	52.52	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.712	216	474639	50.38	ppb	100
106) Atrazine	10.184	215	165050	49.74	ppb	100
108) Benzidine	13.240	184	1137003	62.58	ppb	100
113) hydroquinone	6.151	110	567175	50.13	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104375.D
Acq On : 14 May 2014 9:37 am
Operator : saumilp
Sample : ICC4272-50
Misc : op73826,em4272
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 14 10:01:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



MM4271.M Wed May 14 10:01:17 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104376.D
Acq On : 14 May 2014 10:05 am
Operator : saumilp
Sample : IC4272-25
Misc : op73826,em4272
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 10:28:46 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

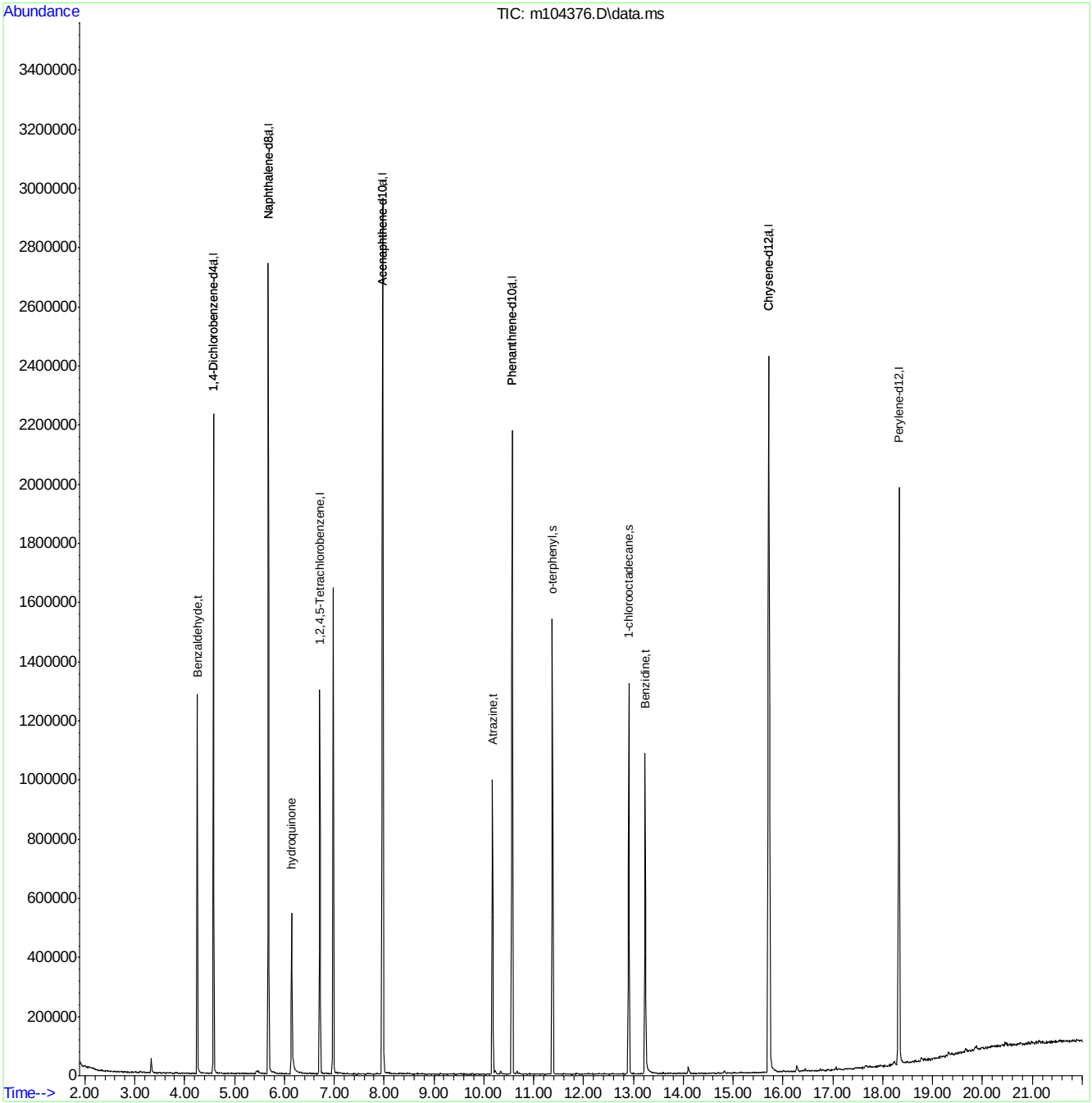
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.580	152	296426	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1081487	40.00	ppb	0.00
47) Acenaphthene-d10	7.972	164	631375	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1080791	40.00	ppb	0.00
83) Chrysene-d12	15.713	240	1081109	40.00	ppb	0.00
92) Perylene-d12	18.326	264	1004598	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.580	152	296426	40.00	ppb	0.00
104) Acenaphthene-d10a	7.972	164	631375	40.00	ppb	0.00
107) Chrysene-d12a	15.713	240	1081109	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1080791	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1081487	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.909	57	222221	26.52	ppb	0.00
Spiked Amount 50.000			Recovery =	53.04%		
111) o-terphenyl	11.381	230	421626	26.24	ppb	0.00
Spiked Amount 50.000			Recovery =	52.48%		
Target Compounds						Qvalue
103) Benzaldehyde	4.254	105	221679	27.08	ppb	99
105) 1,2,4,5-Tetrachloroben...	6.712	216	248623	25.28	ppb	99
106) Atrazine	10.179	215	87350	25.21	ppb	98
108) Benzidine	13.234	184	605317	32.58	ppb	100
113) hydroquinone	6.145	110	294562	25.47	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104376.D
Acq On : 14 May 2014 10:05 am
Operator : saumilp
Sample : IC4272-25
Misc : op73826,em4272
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 10:28:46 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104377.D
Acq On : 14 May 2014 10:34 am
Operator : saumilp
Sample : IC4272-10
Misc : op73826,em4272
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 11:09:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

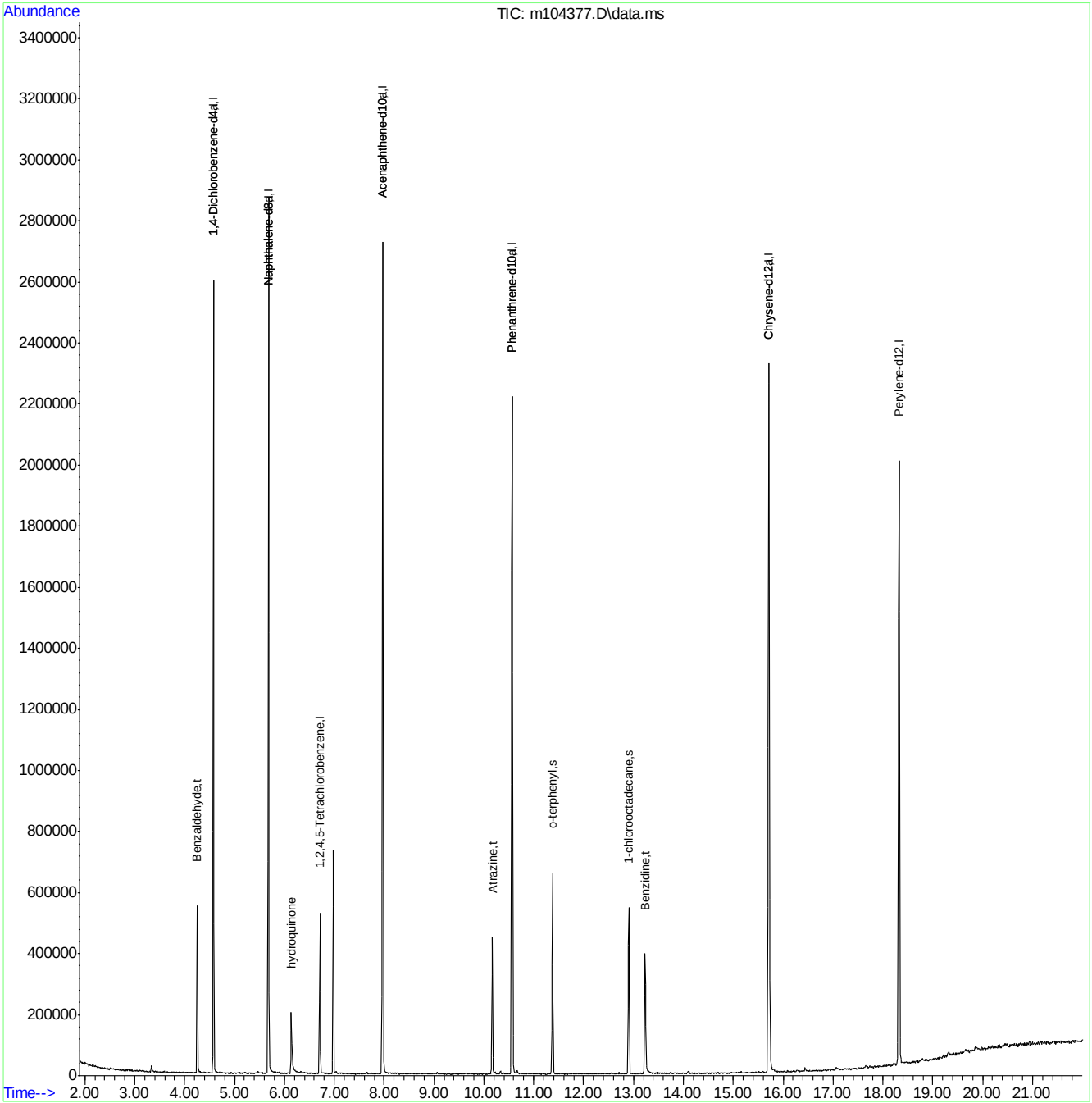
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.576	152	319415	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1178514	40.00	ppb	0.00
47) Acenaphthene-d10	7.974	164	684317	40.00	ppb	0.00
69) Phenanthrene-d10	10.565	188	1153525	40.00	ppb	0.00
83) Chrysene-d12	15.709	240	1137660	40.00	ppb	0.00
92) Perylene-d12	18.327	264	1039365	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.576	152	319415	40.00	ppb	0.00
104) Acenaphthene-d10a	7.974	164	684317	40.00	ppb	0.00
107) Chrysene-d12a	15.709	240	1137660	40.00	ppb	0.00
110) Phenanthrene-d10a	10.565	188	1153525	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1178514	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.904	57	91181	10.34	ppb	0.00
Spiked Amount 50.000			Recovery =	20.68%		
111) o-terphenyl	11.377	230	176438	10.29	ppb	0.00
Spiked Amount 50.000			Recovery =	20.58%		
Target Compounds						Qvalue
103) Benzaldehyde	4.250	105	95959	10.88	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.713	216	106283	9.97	ppb	97
106) Atrazine	10.169	215	34474	9.18	ppb	90
108) Benzidine	13.236	184	244854	12.52	ppb	100
113) hydroquinone	6.141	110	111865	8.87	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104377.D
Acq On : 14 May 2014 10:34 am
Operator : saumilp
Sample : IC4272-10
Misc : op73826,em4272
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 11:09:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104378.D
Acq On : 14 May 2014 11:03 am
Operator : saumilp
Sample : IC4272-5
Misc : op73826,em4272
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 11:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

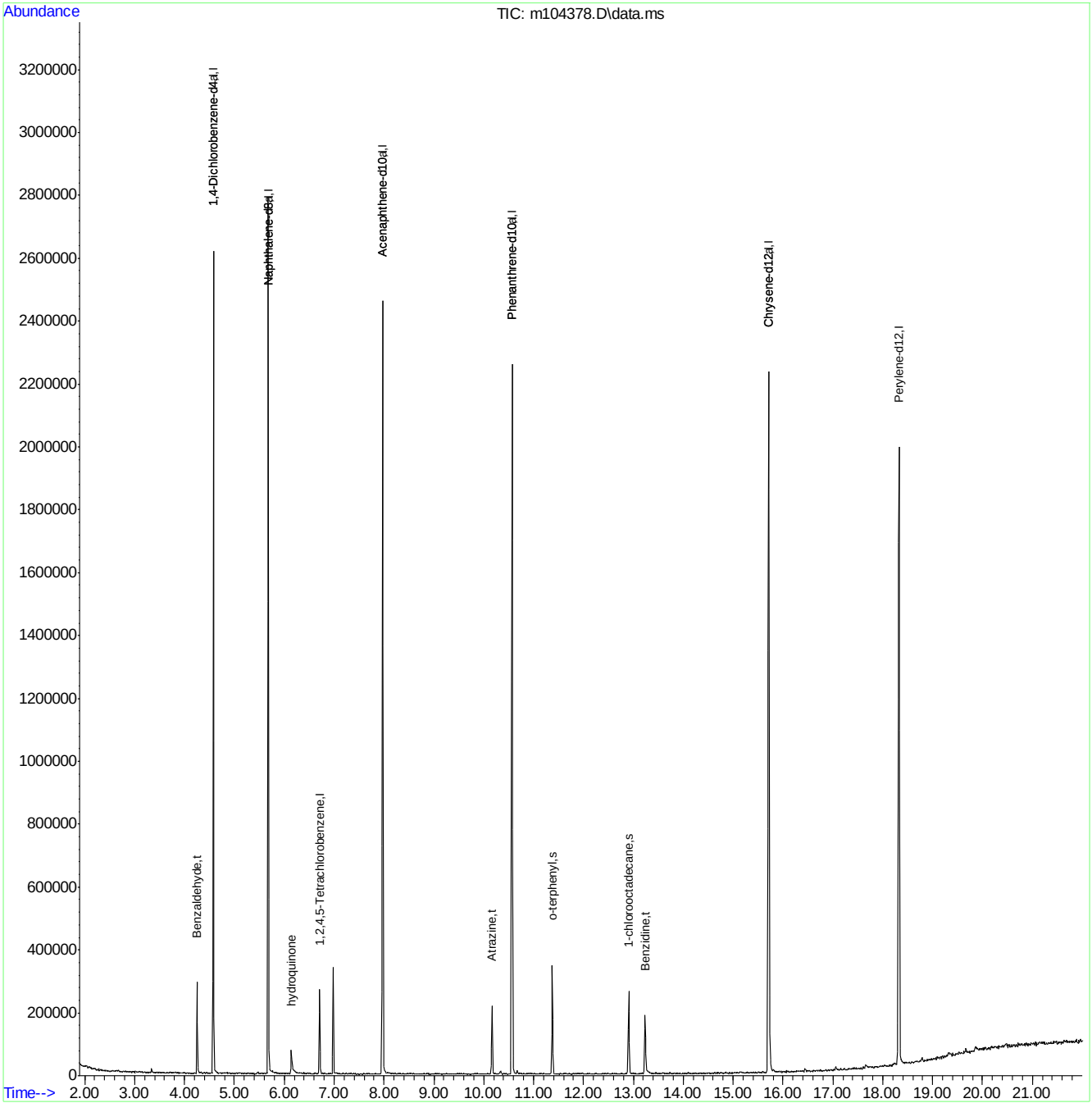
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.579	152	314181	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	1143863	40.00	ppb	0.00
47) Acenaphthene-d10	7.976	164	656204	40.00	ppb	0.00
69) Phenanthrene-d10	10.567	188	1113420	40.00	ppb	0.00
83) Chrysene-d12	15.712	240	1099645	40.00	ppb	0.00
92) Perylene-d12	18.324	264	1025903	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.579	152	314181	40.00	ppb	0.00
104) Acenaphthene-d10a	7.976	164	656204	40.00	ppb	0.00
107) Chrysene-d12a	15.712	240	1099645	40.00	ppb	0.00
110) Phenanthrene-d10a	10.567	188	1113420	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	1143863	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.907	57	46510	5.46	ppb	0.00
Spiked Amount 50.000			Recovery =	10.92%		
111) o-terphenyl	11.374	230	87576	5.29	ppb	0.00
Spiked Amount 50.000			Recovery =	10.58%		
Target Compounds						Qvalue
103) Benzaldehyde	4.253	105	46149	5.32	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.710	216	51359	5.02	ppb	98
106) Atrazine	10.167	215	17375	4.83	ppb	92
108) Benzidine	13.233	184	112902	5.97	ppb	99
113) hydroquinone	6.144	110	50805	4.15	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104378.D
Acq On : 14 May 2014 11:03 am
Operator : saumilp
Sample : IC4272-5
Misc : op73826,em4272
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 11:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



MM4271.M Wed May 14 11:29:42 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104379.D
Acq On : 14 May 2014 11:31 am
Operator : saumilp
Sample : IC4272-2
Misc : op73826,em4272
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 12:30:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

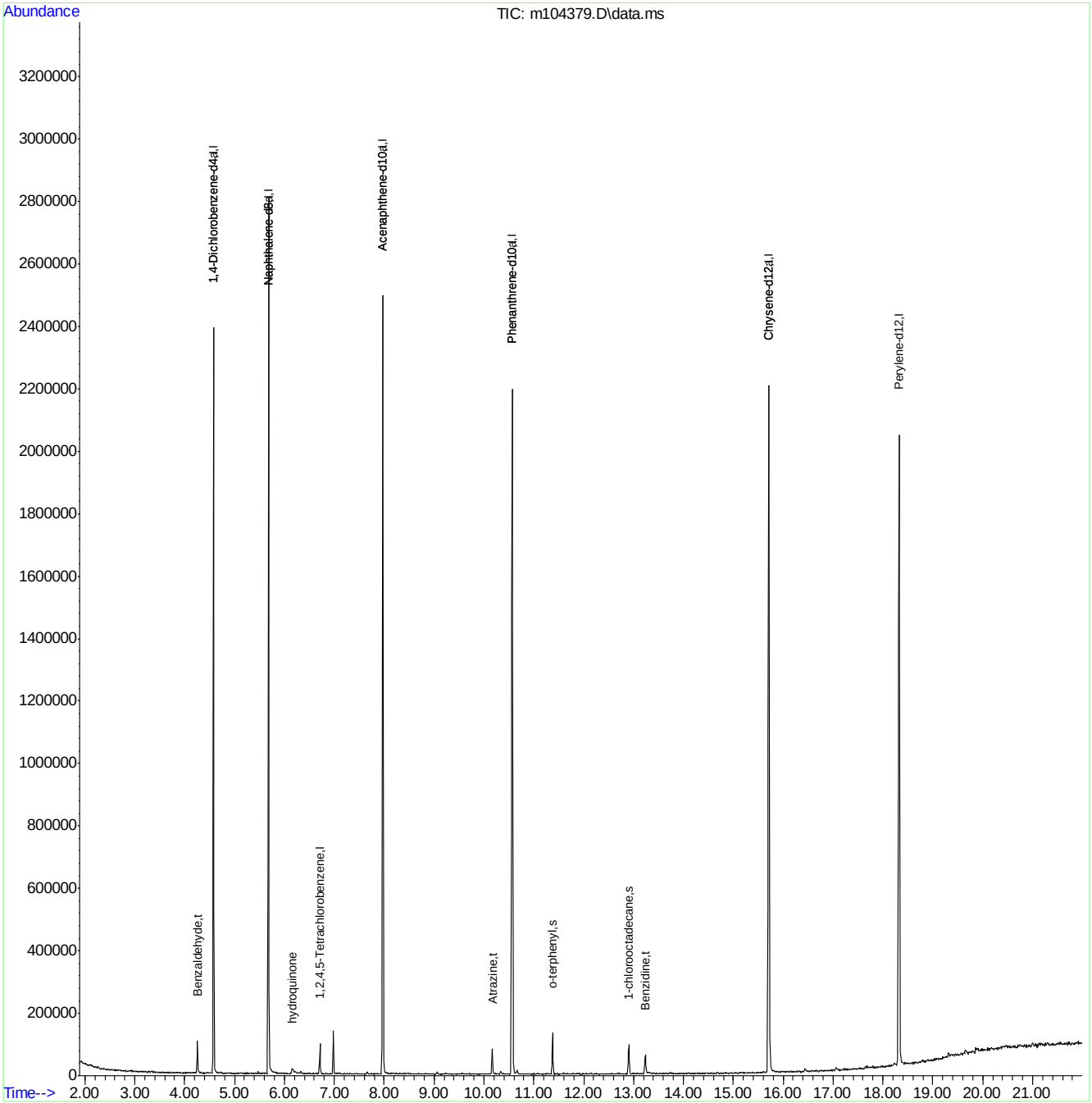
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	306211	40.00	ppb	0.00
24) Naphthalene-d8	5.681	136	1126189	40.00	ppb	0.00
47) Acenaphthene-d10	7.973	164	650143	40.00	ppb	0.00
69) Phenanthrene-d10	10.569	188	1121376	40.00	ppb	0.00
83) Chrysene-d12	15.708	240	1121558	40.00	ppb	0.00
92) Perylene-d12	18.326	264	1019435	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.575	152	306211	40.00	ppb	0.00
104) Acenaphthene-d10a	7.973	164	650143	40.00	ppb	0.00
107) Chrysene-d12a	15.708	240	1121558	40.00	ppb	0.00
110) Phenanthrene-d10a	10.569	188	1121376	40.00	ppb	0.00
112) Naphthalene-d8a	5.681	136	1126189	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.903	57	15969	1.84	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.68%		
111) o-terphenyl	11.375	230	32996	1.98	ppb	0.00
Spiked Amount 50.000			Recovery =	3.96%		
Target Compounds						Qvalue
103) Benzaldehyde	4.254	105	18473	2.18	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.712	216	21357	2.11	ppb	91
106) Atrazine	10.168	215	6425	1.80	ppb	93
108) Benzidine	13.235	184	38184	1.98	ppb	94
113) hydroquinone	6.151	110	14140	1.17	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104379.D
Acq On : 14 May 2014 11:31 am
Operator : saumilp
Sample : IC4272-2
Misc : op73826,em4272
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 14 12:30:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



9.6.71
9
1141 of 1840
ACCUTEST LABORATORIES
JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:31:25 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	307116	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	1118176	40.00	ppb	0.00
47) Acenaphthene-d10	7.971	164	651834	40.00	ppb	0.00
69) Phenanthrene-d10	10.562	188	1116056	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1104265	40.00	ppb	0.00
92) Perylene-d12	18.324	264	1017083	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	307116	40.00	ppb	0.00
104) Acenaphthene-d10a	7.971	164	651834	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1104265	40.00	ppb	0.00
110) Phenanthrene-d10a	10.562	188	1116056	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	1118176	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	12.907	57	8594	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
111) o-terphenyl	11.374	230	16695	1.01	ppb	0.00
Spiked Amount 50.000			Recovery =	2.02%		
Target Compounds						Qvalue
103) Benzaldehyde	4.253	105	8794	1.04	ppb	92
105) 1,2,4,5-Tetrachloroben...	6.710	216	9732	0.96	ppb	92
106) Atrazine	10.161	215	3344	0.93	ppb #	76
108) Benzidine	13.238	184	17273	0.91	ppb	99
113) hydroquinone	6.170	110	8827m	0.74	ppb	

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

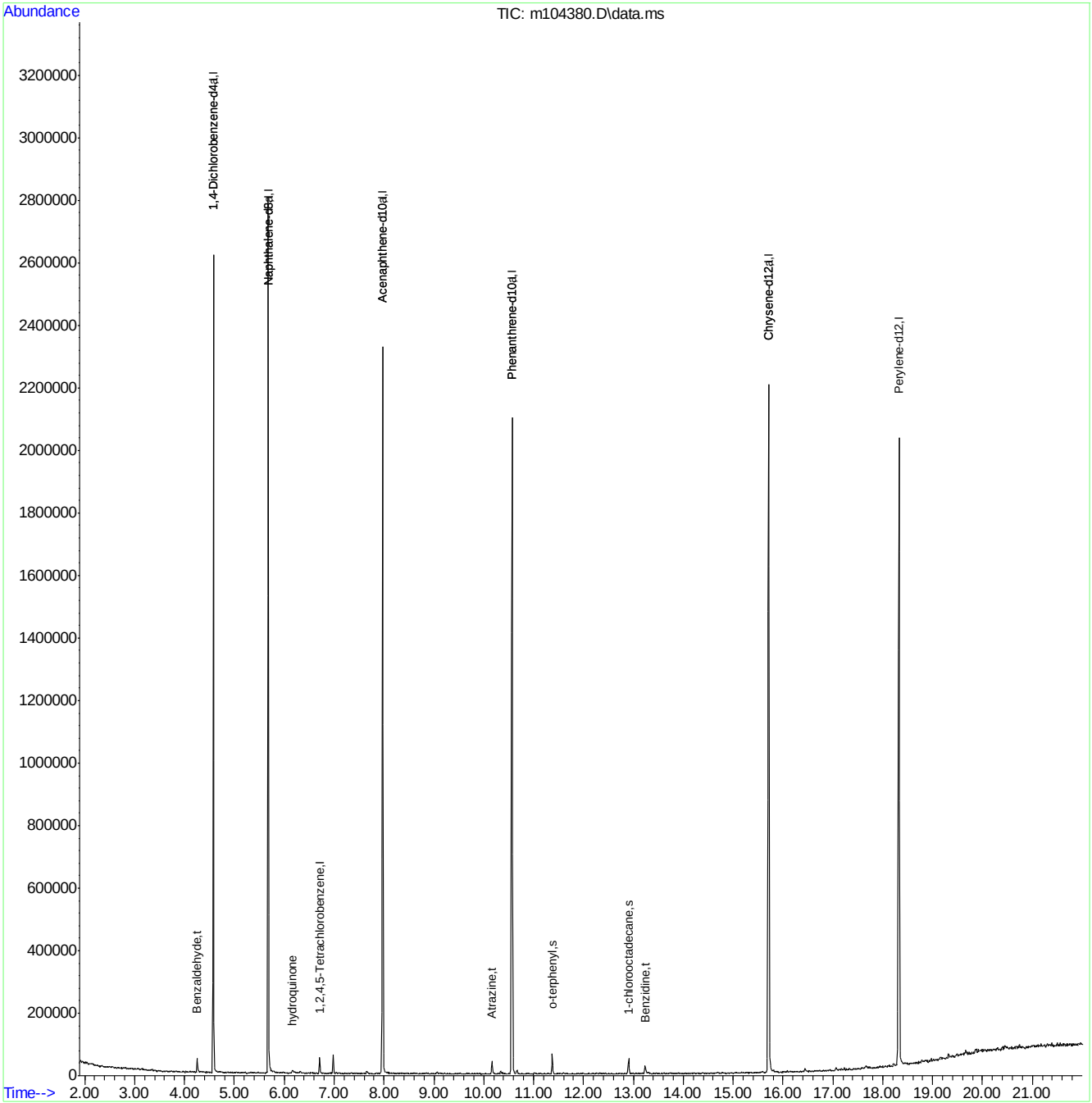
9.6.72

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:31:25 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

9.6.72 9

Manual Integration Approval Summary

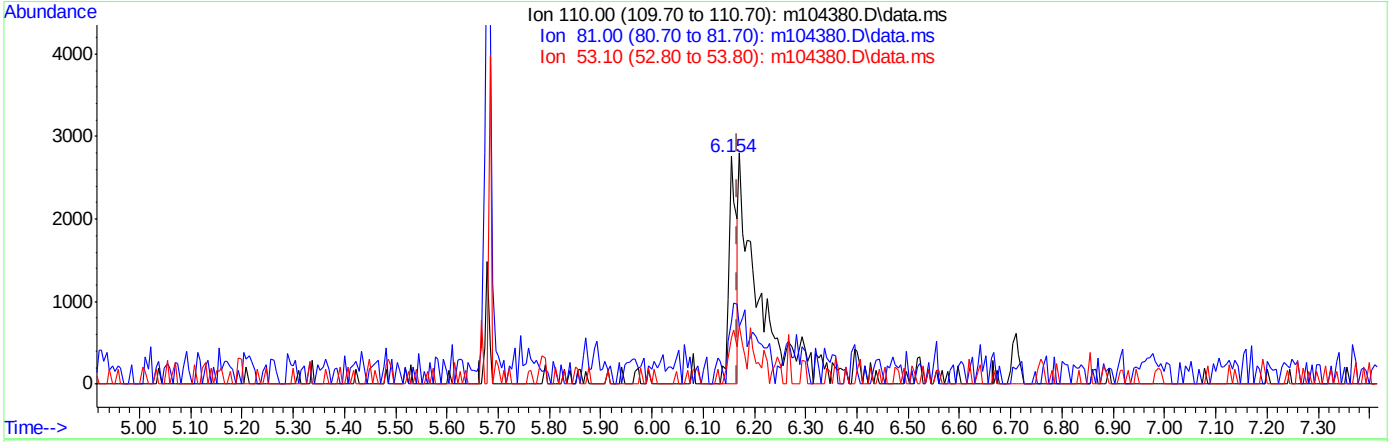
Sample Number:	EM4272-IC4272	**Method:**	SW846 8270D
Lab FileID:	M104380.D	**Analyst approved:**	05/14/14 12:43 Saumil Patel
Injection Time:	05/14/14 12:00	**Supervisor approved:**	05/14/14 17:03 Nina Pandya

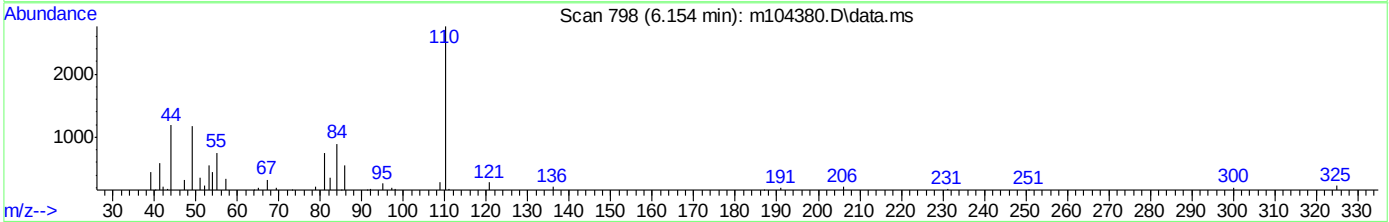
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		6.17	Poor instrument integration

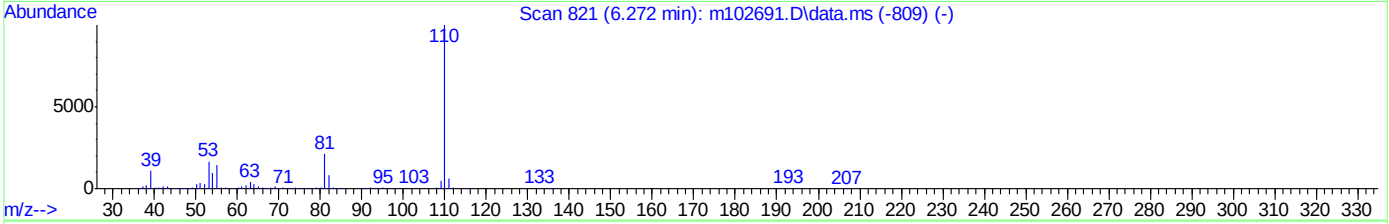
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:30:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration







TIC: m104380.D\data.ms

(113) hydroquinone

6.154min (-0.013) 0.22ppb

response 2686

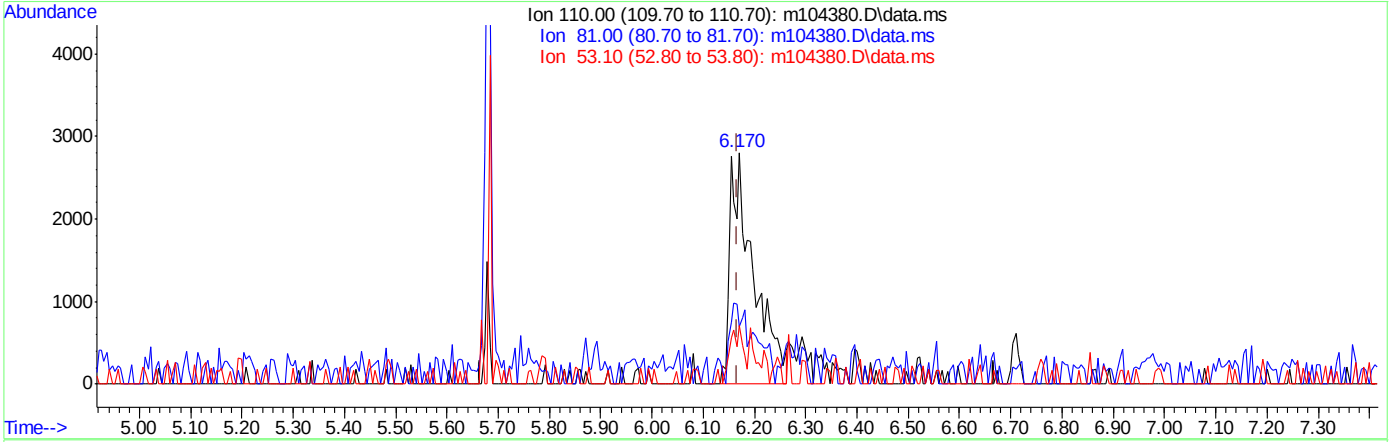
Ion	Exp%	Act%
110.00	100	100
81.00	32.00	6.00
53.10	20.70	13.60
0.00	0.00	0.00

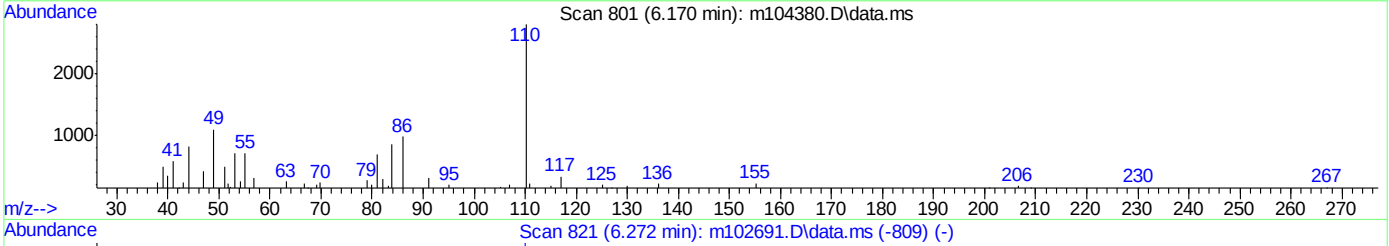
M104380.D edits: hydroquinone

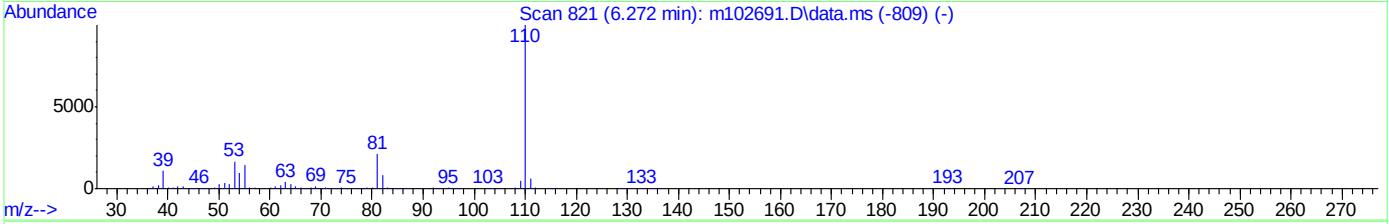
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104380.D
Acq On : 14 May 2014 12:00 pm
Operator : saumilp
Sample : IC4272-1
Misc : op73826,em4272
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 12:30:38 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 09:49:19 2014
Response via : Initial Calibration







TIC: m104380.D\data.ms

(113) hydroquinone

6.170min (+0.003) 0.74ppb m

response 8827

Ion	Exp%	Act%
110.00	100	100
81.00	32.00	24.87
53.10	20.70	25.22
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:30:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.577	152	465571	40.00	ppb	0.00
24) Naphthalene-d8	5.683	136	1756320	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	1069483	40.00	ppb	0.00
69) Phenanthrene-d10	10.571	188	1851716	40.00	ppb	0.00
83) Chrysene-d12	15.710	240	1584849	40.00	ppb	0.00
92) Perylene-d12	18.328	264	1409670	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.577	152	465571	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	1069483	40.00	ppb	0.00
107) Chrysene-d12a	15.710	240	1584849	40.00	ppb	0.00
110) Phenanthrene-d10a	10.571	188	1851716	40.00	ppb	0.00
112) Naphthalene-d8a	5.683	136	1756320	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0d	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	4.337	94	1061973	44.23	ppb	# 67
12) 2-Chlorophenol	4.428	128	793808	45.12	ppb	98
19) 2-Methylphenol	4.785	108	738062	46.26	ppb	98
21) 3&4-Methylphenol	4.908	108	760765	45.99	ppb	98
29) 2-Nitrophenol	5.314	139	403781	44.25	ppb	97
30) 2,4-Dimethylphenol	5.362	107	787620m	48.61	ppb	
31) Benzoic acid	5.496	105	577113	46.99	ppb	97
33) 2,4-Dichlorophenol	5.549	162	602592	44.81	ppb	98
34) 2,6-Dichlorophenol	5.774	162	598637	45.07	ppb	99
43) 4-Chloro-3-methylphenol	6.324	107	686621	43.99	ppb	97
49) 2,4,6-Trichlorophenol	6.874	196	443117	42.54	ppb	98
50) 2,4,5-Trichlorophenol	6.922	196	465532	41.26	ppb	100
60) 2,4-Dinitrophenol	8.108	184	183106	37.21	ppb	95
61) 4-Nitrophenol	8.285	109	209165	40.24	ppb	# 78
64) 2,3,4,6-Tetrachlorophenol	8.546	232	372378	42.22	ppb	98
70) 4,6-Dinitro-2-methylph...	9.027	198	287283	41.95	ppb	99
76) Pentachlorophenol	10.267	266	263434	43.73	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:30:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration

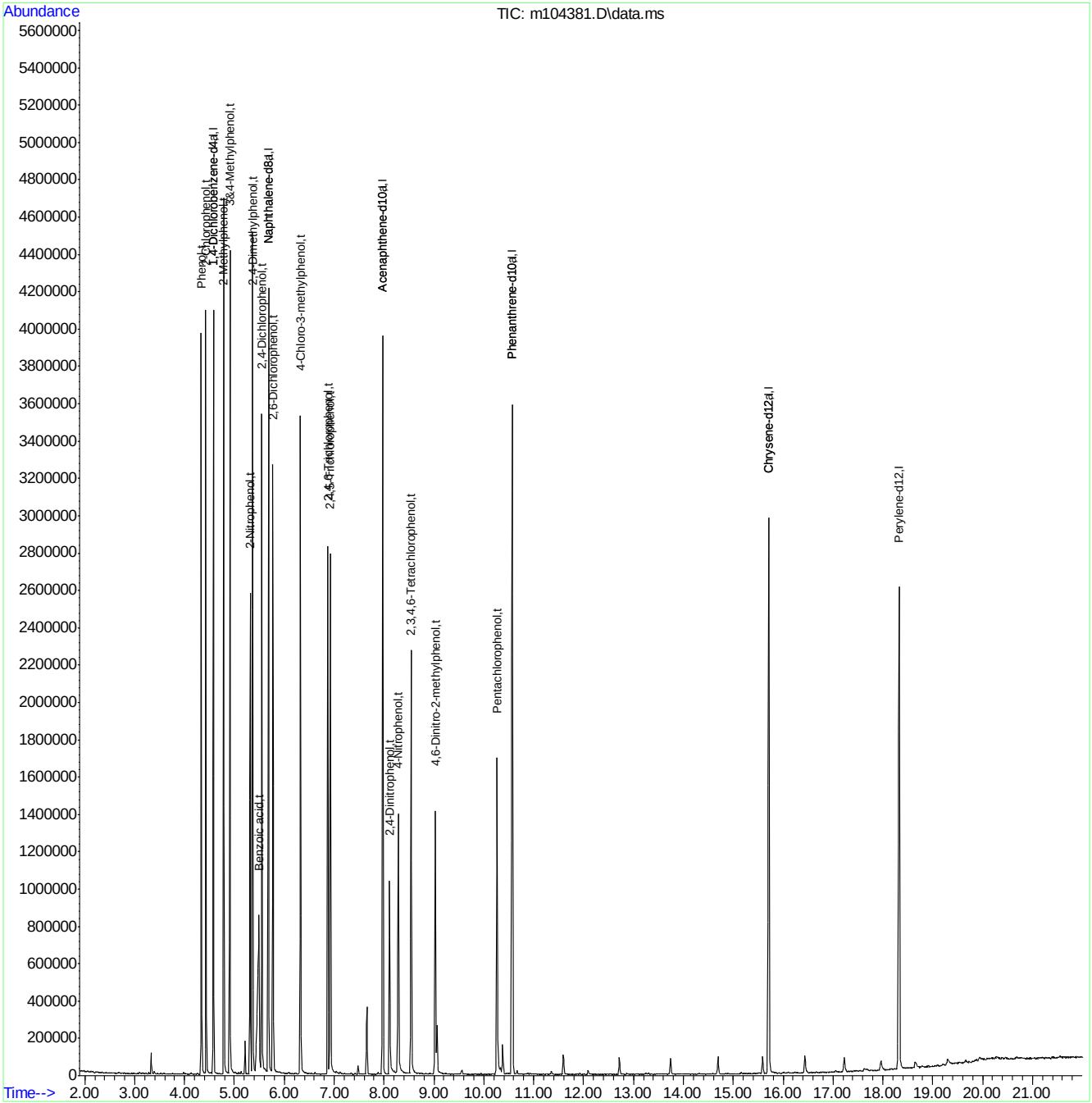
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:30:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration



MM4271.M Wed May 14 13:31:05 2014 MSM

Page: 3

ACCUTEST LABORATORIES
JB67744

Manual Integration Approval Summary

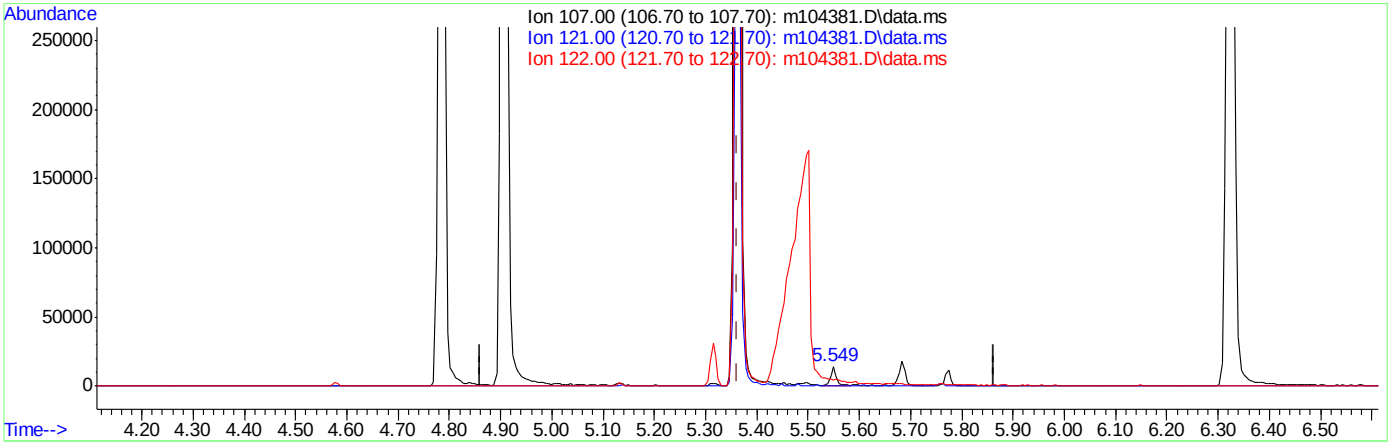
Sample Number:	EM4272-ICV4271	**Method:**	SW846 8270D
Lab FileID:	M104381.D	**Analyst approved:**	05/14/14 14:30 Saumil Patel
Injection Time:	05/14/14 12:29	**Supervisor approved:**	05/14/14 17:03 Nina Pandya

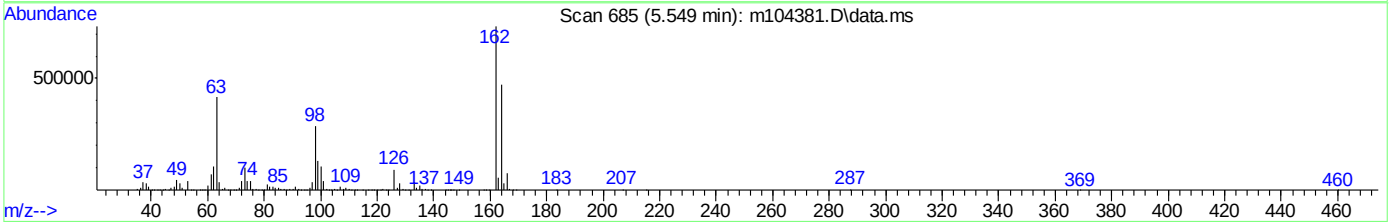
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-Dimethylphenol	105-67-9		5.36	Poor instrument integration

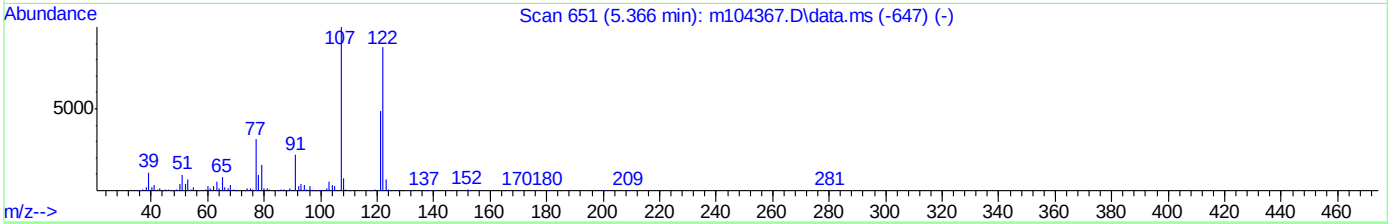
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration







TIC: m104381.D\data.ms

(30) 2,4-Dimethylphenol (t)

5.549min (+0.187) 0.63ppb

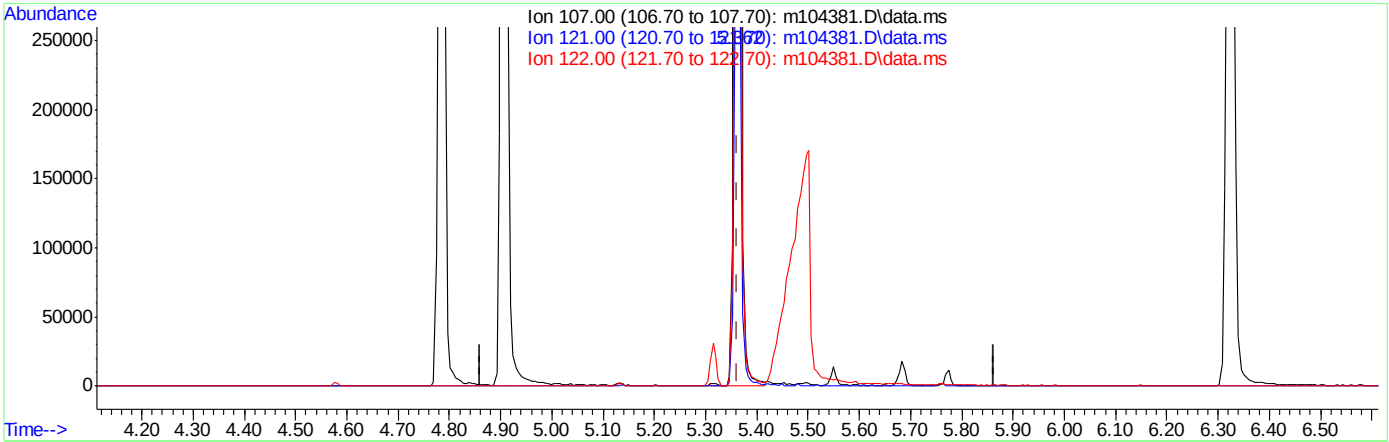
response 10197

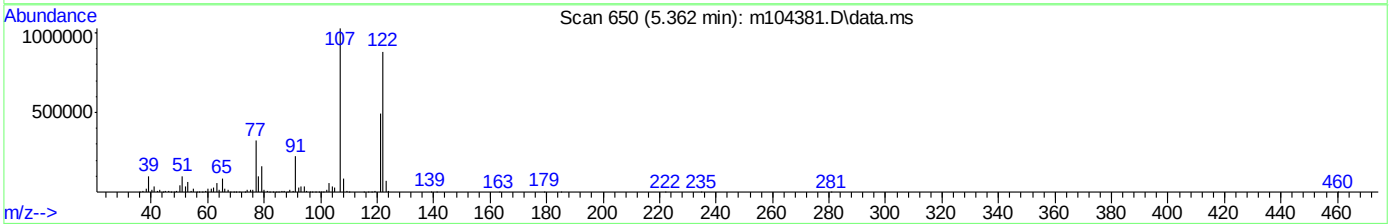
Ion	Exp%	Act%
107.00	100	100
121.00	0.00	0.00
122.00	3.30	0.00
0.00	0.00	0.00

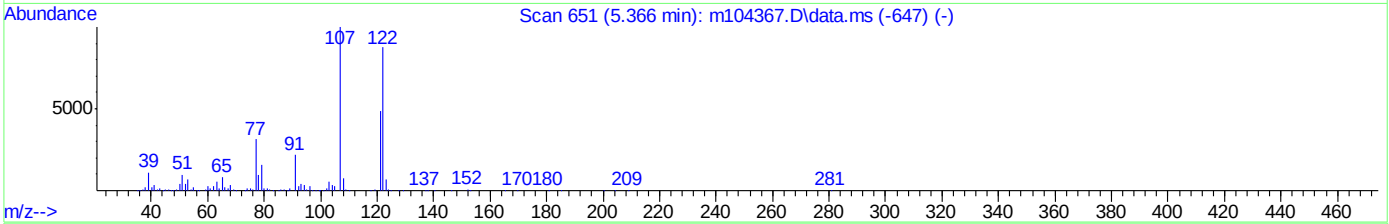
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104381.D
Acq On : 14 May 2014 12:29 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 14 13:29:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:29:24 2014
Response via : Initial Calibration







TIC: m104381.D\data.ms

(30) 2,4-Dimethylphenol (t)

5.362min (0.000) 48.61ppb m

response 787620

Ion	Exp%	Act%
107.00	100	100
121.00	0.00	47.74#
122.00	3.30	85.85#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/14/14 17:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:38:40 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.578	152	408177	40.00	ppb		0.00
24) Naphthalene-d8	5.684	136	1459011	40.00	ppb		0.00
47) Acenaphthene-d10	7.975	164	848781	40.00	ppb		0.00
69) Phenanthrene-d10	10.566	188	1420847	40.00	ppb		0.00
83) Chrysene-d12	15.721	240	1257082	40.00	ppb		0.00
92) Perylene-d12	18.328	264	1111135	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	408177	40.00	ppb		0.00
104) Acenaphthene-d10a	7.975	164	848781	40.00	ppb		0.00
107) Chrysene-d12a	15.721	240	1257082	40.00	ppb		0.00
110) Phenanthrene-d10a	10.566	188	1420847	40.00	ppb		0.00
112) Naphthalene-d8a	5.684	136	1459011	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
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	2.446	79	717742	39.28	ppb		99
4) N-Nitrosodimethylamine	2.414	42	304242	46.81	ppb		100
11) bis(2-Chloroethyl)ether	4.380	93	678140	46.97	ppb		99
14) 1,3-Dichlorobenzene	4.535	146	713679	44.12	ppb		97
15) 1,4-Dichlorobenzene	4.594	146	726170	44.14	ppb		98
16) Benzyl alcohol	4.690	108	443857	44.07	ppb	#	1
17) 1,2-Dichlorobenzene	4.711	146	689450	44.66	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.791	121	214992	46.55	ppb		93
22) n-Nitroso-di-n-propyla...	4.893	70	502178	47.21	ppb		97
23) Hexachloroethane	4.978	201	258972	45.58	ppb		95
26) Nitrobenzene	5.037	77	746437	44.80	ppb		98
28) Isophorone	5.240	82	1247211	44.15	ppb		98
32) bis(2-Chloroethoxy)met...	5.438	93	785140m	48.26	ppb		
36) 1,2,4-Trichlorobenzene	5.625	180	560732	44.55	ppb		99
38) Naphthalene	5.705	128	1881159	45.19	ppb		94
42) Hexachlorobutadiene	5.838	225	317383	45.77	ppb		97
44) 2-Methylnaphthalene	6.490	141	983707	43.12	ppb	#	3
48) Hexachlorocyclopentadiene	6.704	237	280095	41.07	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:38:40 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration

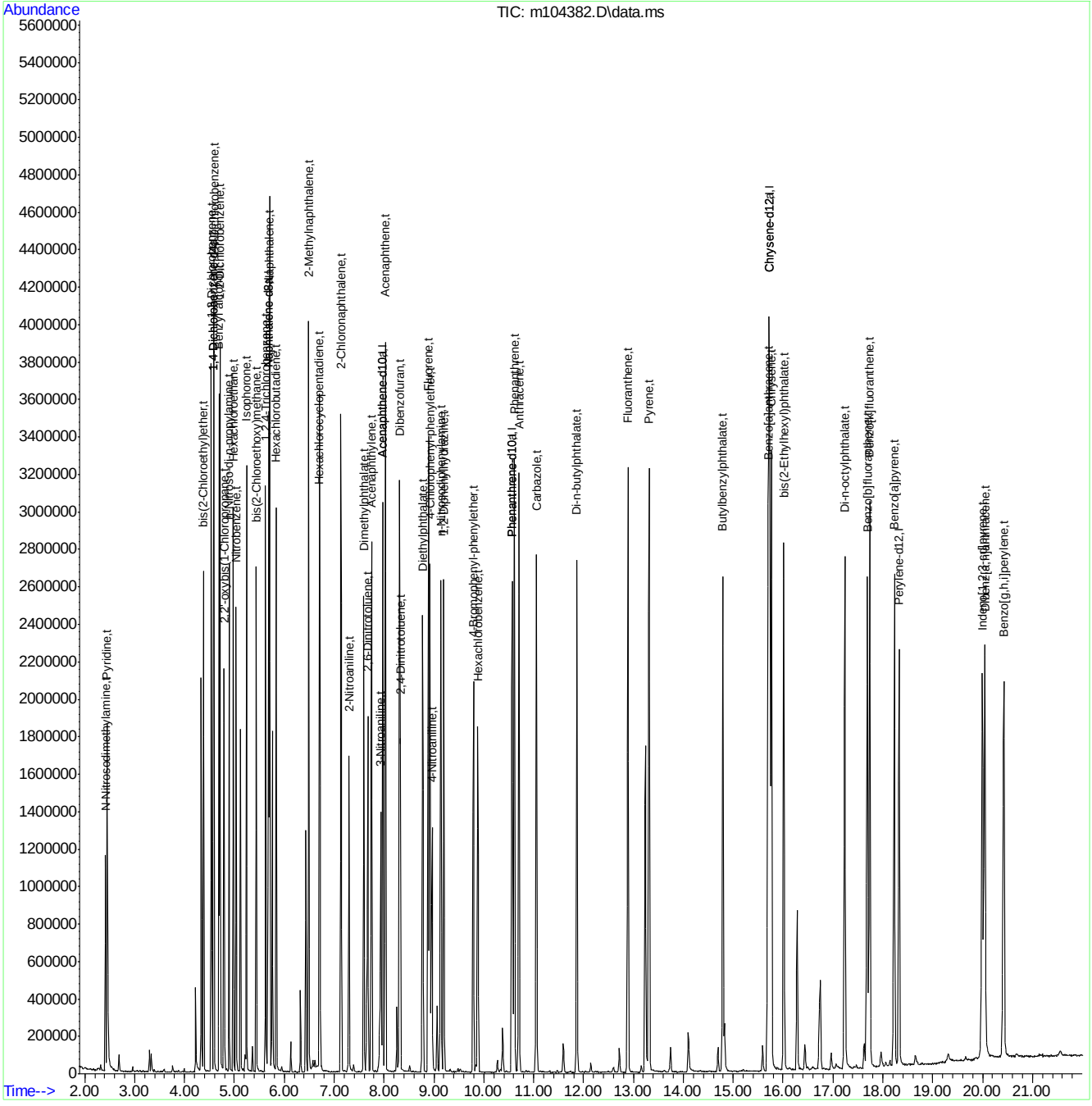
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	2-Chloronaphthalene	7.137	162	1124691	44.32	ppb		98
54)	2-Nitroaniline	7.302	65	356946	43.49	ppb		98
55)	Dimethylphthalate	7.596	163	1239061	44.66	ppb		99
56)	Acenaphthylene	7.751	152	1558470	38.31	ppb		99
57)	2,6-Dinitrotoluene	7.676	165	280715	43.10	ppb		96
58)	3-Nitroaniline	7.938	138	281729	37.84	ppb		100
59)	Acenaphthene	8.029	153	1131925	45.84	ppb		98
62)	Dibenzofuran	8.312	168	1553839	43.59	ppb		97
63)	2,4-Dinitrotoluene	8.328	165	372437	41.96	ppb		96
65)	Diethylphthalate	8.777	149	1207938	44.23	ppb		99
66)	Fluorene	8.889	166	1306738	45.17	ppb		99
67)	4-Chlorophenyl-phenyle...	8.921	204	635580	45.90	ppb		99
68)	4-Nitroaniline	8.964	138	310169	42.76	ppb		96
71)	n-Nitrosodiphenylamine	9.140	169	906994	46.79	ppb		97
72)	1,2-Diphenylhydrazine	9.199	77	1411859	44.74	ppb		97
74)	4-Bromophenyl-phenylether	9.792	248	348769	46.85	ppb		99
75)	Hexachlorobenzene	9.882	284	334622	43.23	ppb		99
77)	Phenanthrene	10.614	178	1801642	43.38	ppb		99
78)	Anthracene	10.705	178	1840275	43.41	ppb		99
79)	Carbazole	11.058	167	1653487	38.49	ppb		100
80)	Di-n-butylphthalate	11.864	149	2045951	45.06	ppb		100
81)	Fluoranthene	12.890	202	1994751	43.20	ppb	#	1
84)	Pyrene	13.317	202	2069502	47.97	ppb		93
87)	Butylbenzylphthalate	14.792	149	886980	49.46	ppb		97
88)	Benzo[a]anthracene	15.700	228	1770784	45.70	ppb		79
90)	Chrysene	15.770	228	1765932	49.31	ppb		79
91)	bis(2-Ethylhexyl)phtha...	16.015	149	1230565	48.40	ppb		98
93)	Di-n-octylphthalate	17.239	149	2124716	48.98	ppb		99
94)	Benzo[b]fluoranthene	17.693	252	1736232	45.64	ppb		100
95)	Benzo[k]fluoranthene	17.741	252	1698805	47.43	ppb		70
96)	Benzo[a]pyrene	18.232	252	1598732	47.47	ppb		68
97)	Indeno[1,2,3-cd]pyrene	20.000	276	1466038	44.56	ppb		100
99)	Dibenz[a,h]anthracene	20.049	278	1452279	46.51	ppb		99
101)	Benzo[g,h,i]perylene	20.428	276	1553619	47.11	ppb		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:38:40 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration



Manual Integration Approval Summary

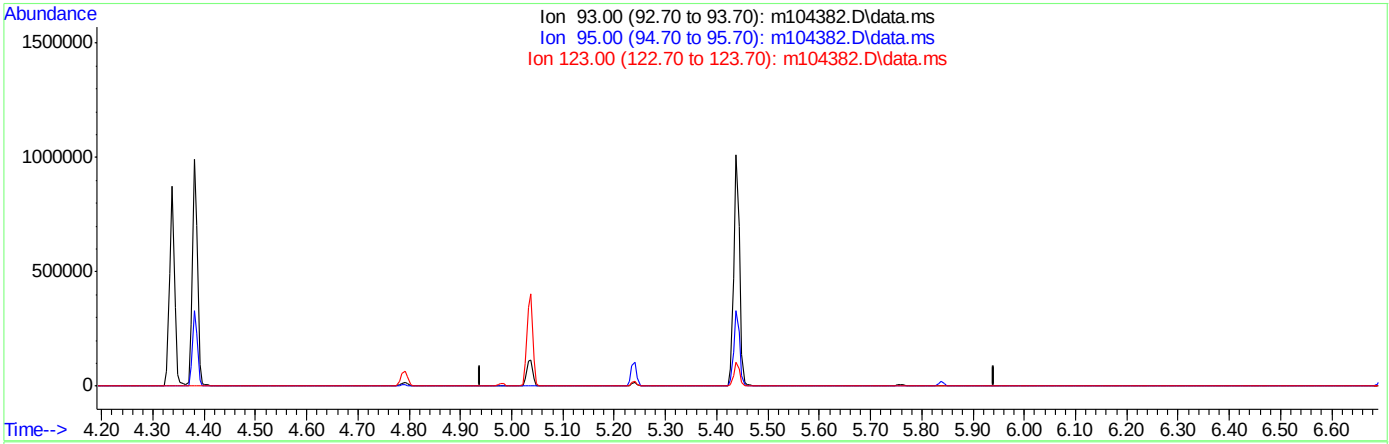
Sample Number:	EM4272-ICV4271	**Method:**	SW846 8270D
Lab FileID:	M104382.D	**Analyst approved:**	05/14/14 14:30 Saumil Patel
Injection Time:	05/14/14 12:57	**Supervisor approved:**	05/14/14 17:03 Nina Pandya

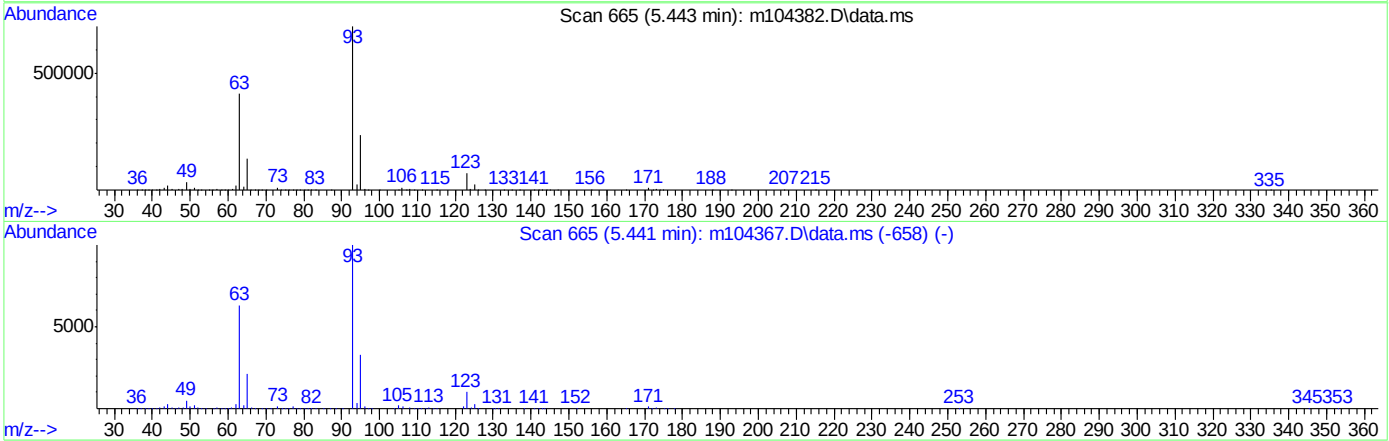
Parameter	CAS	Sig#	R.T. (min.)	Reason
bis(2-Chloroethoxy)methane	111-91-1		5.44	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:34:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration





TIC: m104382.D\data.ms

(32) bis(2-Chloroethoxy)methane (t)

5.441min 0.00ppb d

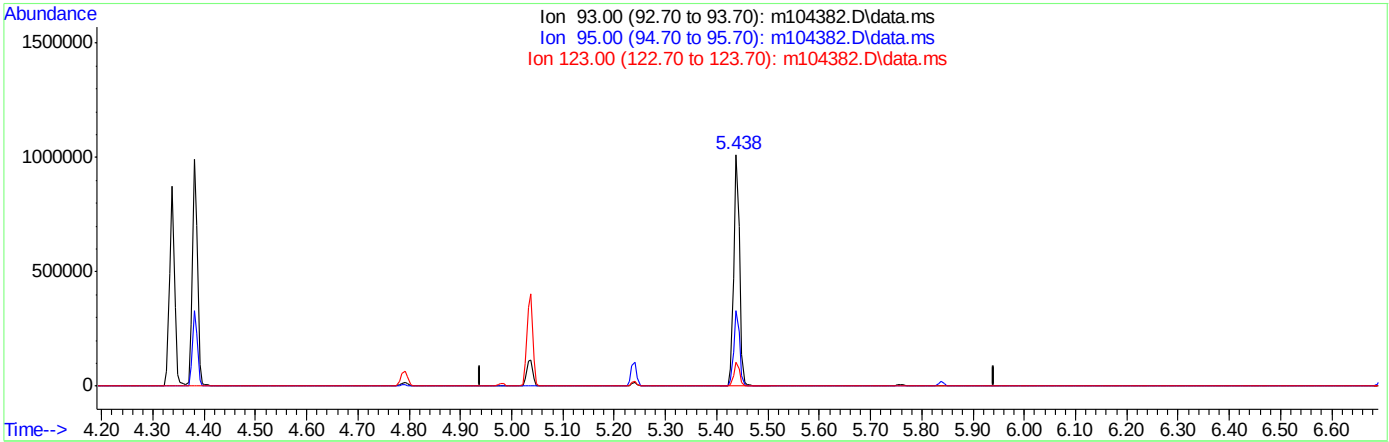
response 0

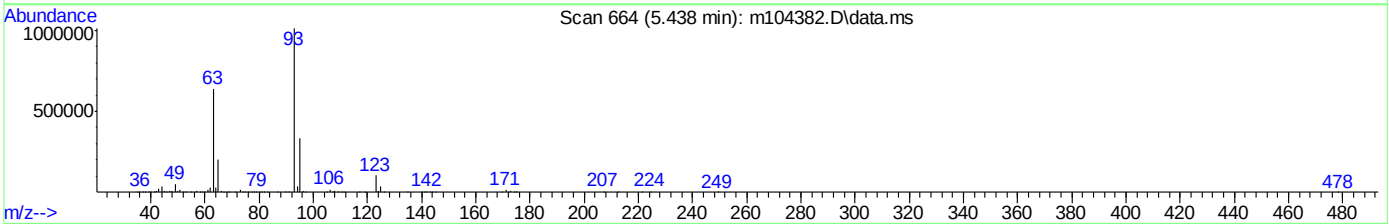
Ion	Exp%	Act%
93.00	100	0.00
95.00	96.90	0.00
123.00	0.00	0.00
0.00	0.00	0.00

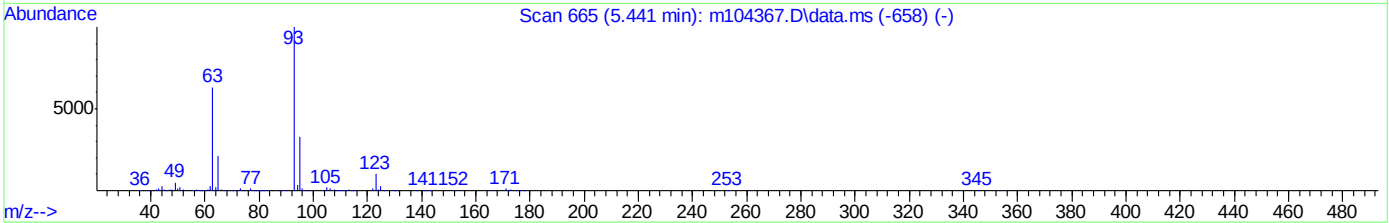
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 13:34:20 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 13:34:07 2014
Response via : Initial Calibration







TIC: m104382.D\data.ms

(32) bis(2-Chloroethoxy)methane (t)

5.438min (-0.003) 48.26ppb m

response 785140

Ion	Exp%	Act%
93.00	100	100
95.00	96.90	32.58#
123.00	0.00	10.22
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382a.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 14:09:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:07:27 2014
Response via : Initial Calibration

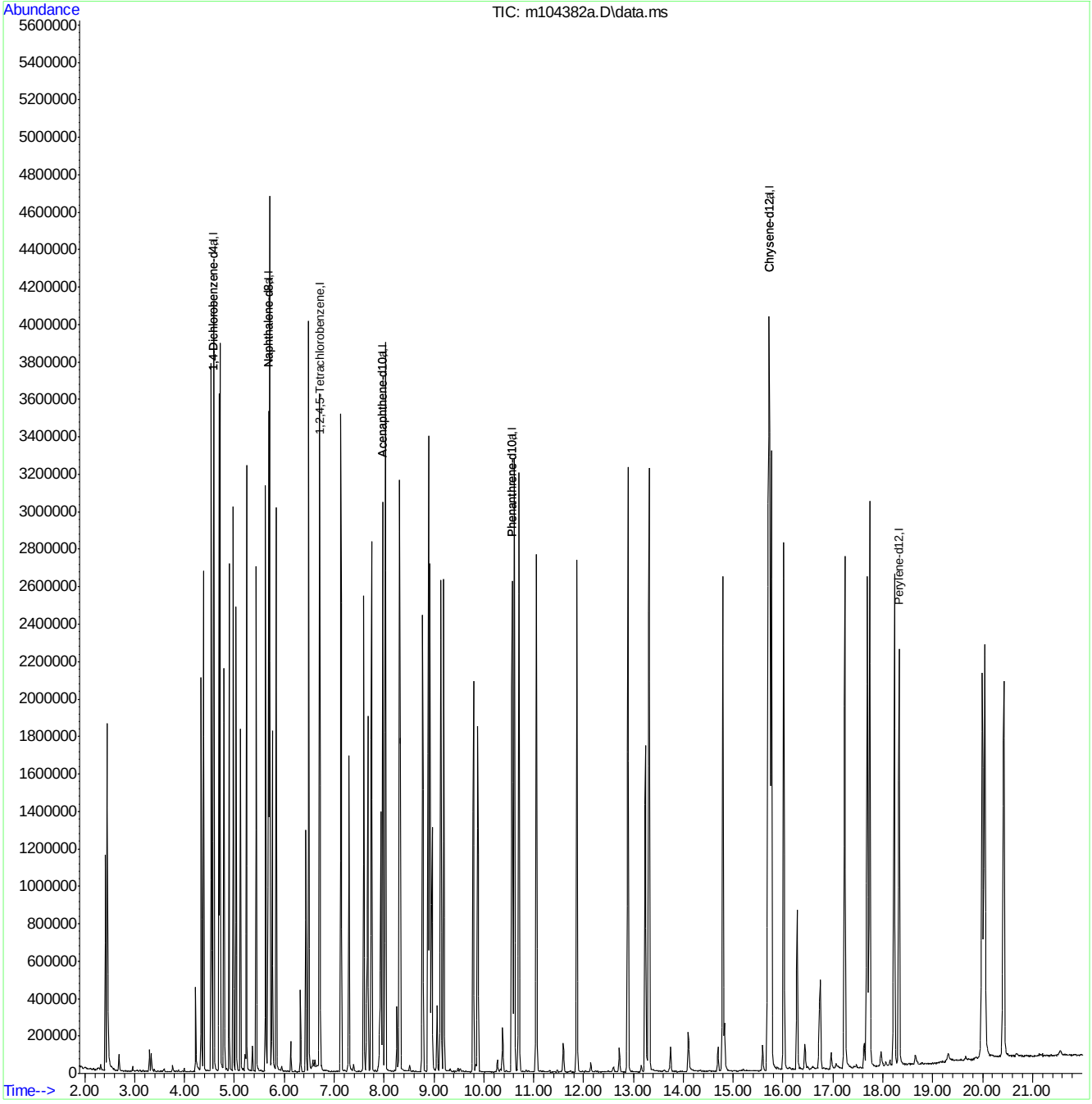
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	408177	40.00	ppb	0.00
24) Naphthalene-d8	5.684	136	1459011	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	848781	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1420847	40.00	ppb	0.00
83) Chrysene-d12	15.721	240	1257082	40.00	ppb	0.01
92) Perylene-d12	18.328	264	1111135	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	408177	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	848781	40.00	ppb	0.00
107) Chrysene-d12a	15.721	240	1257082	40.00	ppb	0.00
110) Phenanthrene-d10a	10.566	188	1420847	40.00	ppb	0.00
112) Naphthalene-d8a	5.684	136	1459011	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
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...	6.715	216	562466	42.22	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104382a.D
Acq On : 14 May 2014 12:57 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 14 14:09:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:07:27 2014
Response via : Initial Calibration



MM4271.M Wed May 14 14:09:12 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

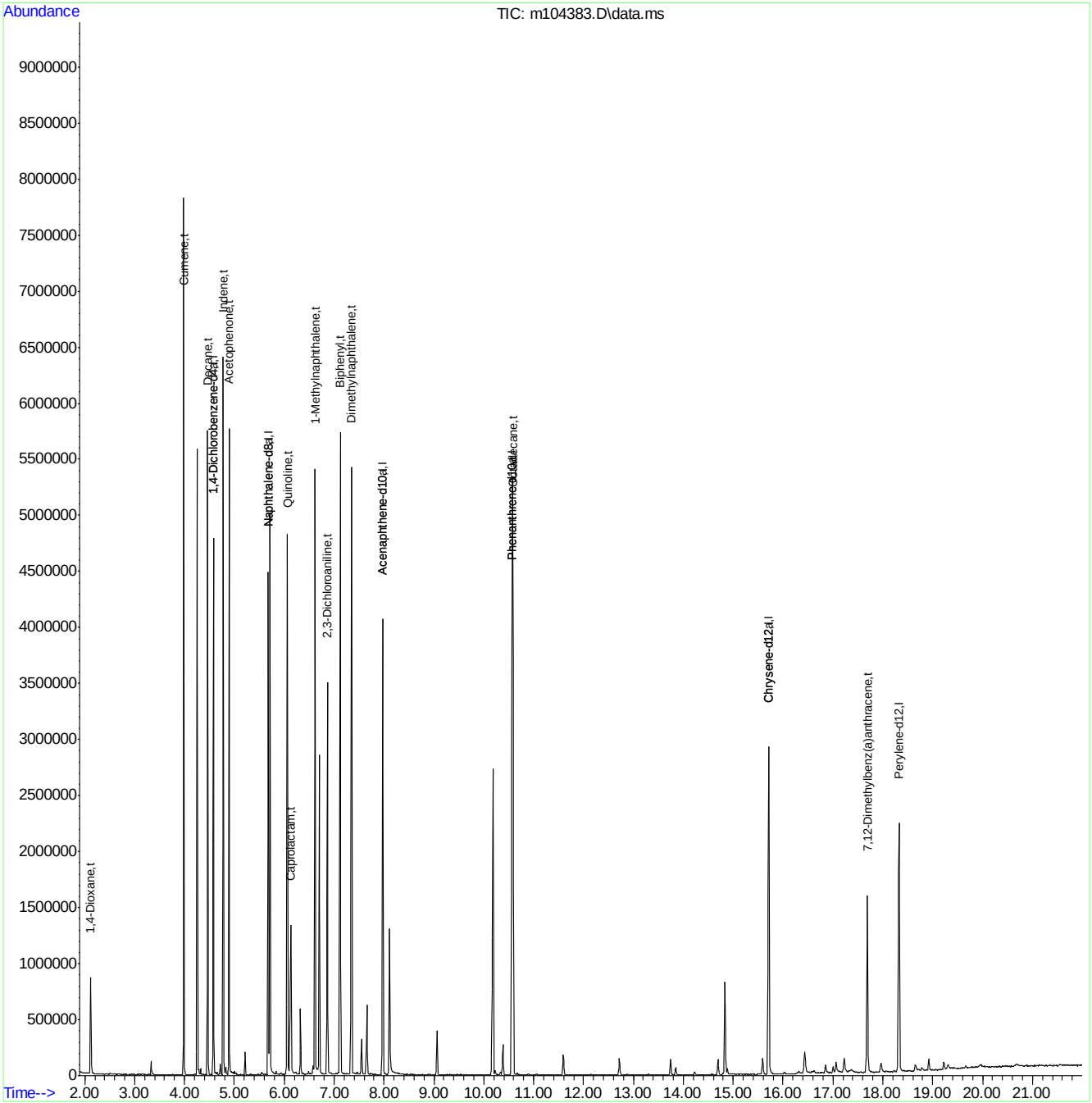
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	526898	40.00	ppb	0.00
24) Naphthalene-d8	5.678	136	1897184	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	1096374	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1766451	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1608603	40.00	ppb	-0.01
92) Perylene-d12	18.328	264	1204624	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	526898	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	1096374	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1608603	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.566	188	1766451	40.00	ppb	0.00
112) Naphthalene-d8a	5.678	136	1897184	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
2) 1,4-Dioxane	2.115	88	382728	41.01	ppb	96
6) Indene	4.775	116	1717813	48.13	ppb	99
7) Cumene	3.985	105	2364435	45.38	ppb	99
13) Decane	4.465	43	726221	42.29	ppb	99
18) Acetophenone	4.893	105	1381743	47.44	ppb	97
27) Quinoline	6.063	129	1854352	46.47	ppb	98
40) 2,3-Dichloroaniline	6.864	161	850409	42.98	ppb	98
41) Caprolactam	6.132	55	358158	43.92	ppb	96
45) 1-Methylnaphthalene	6.618	142	1689333	45.85	ppb	100
46) Dimethylnaphthalene	7.345	156	1566891	46.24	ppb	99
53) Biphenyl	7.121	154	2146659	46.83	ppb	98
82) Octadecane	10.582	57	1030509	47.07	ppb	98
100) 7,12-Dimethylbenz(a)an...	17.693	256	478032	24.97	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:05 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383a.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

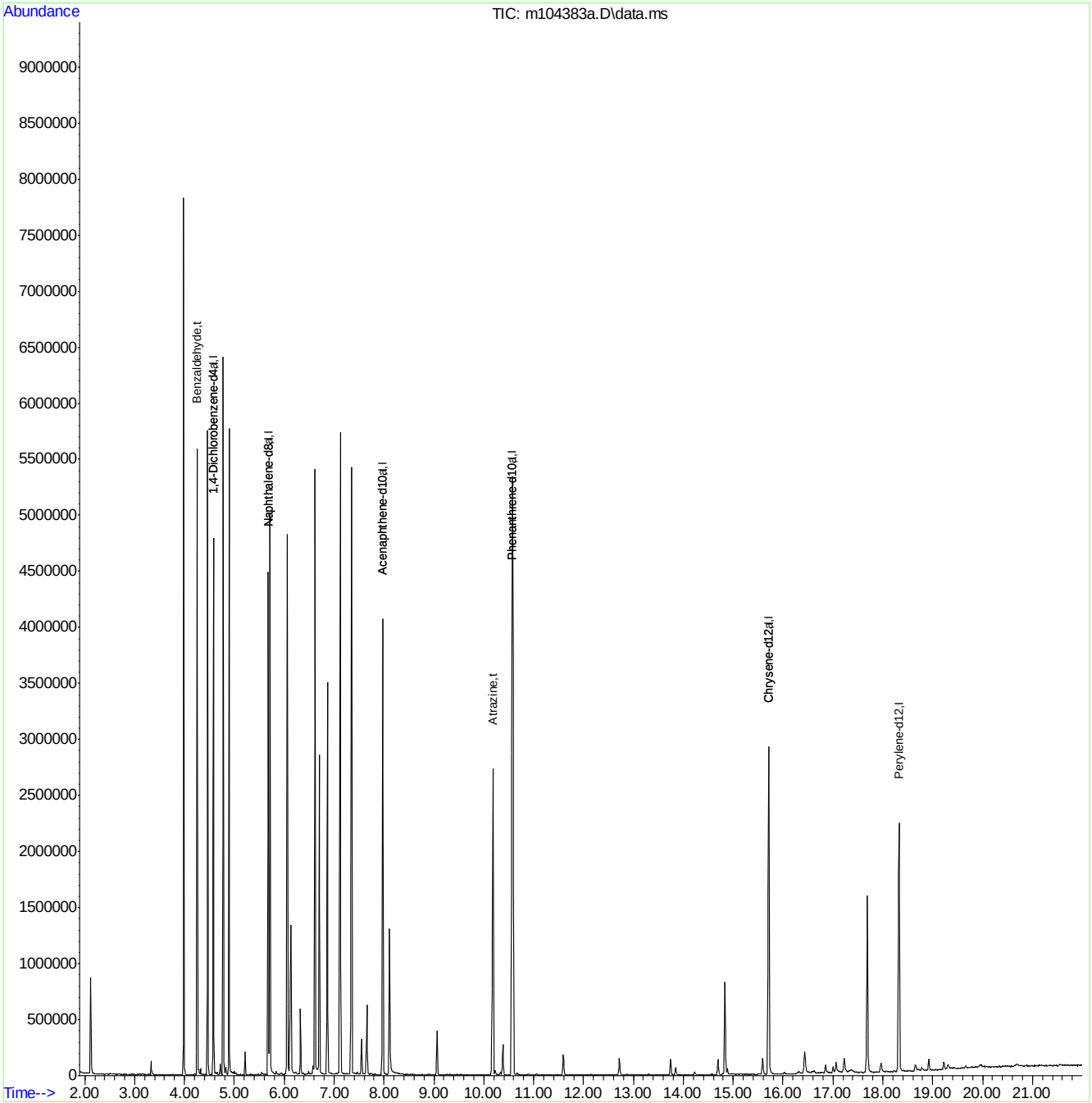
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	526898	40.00	ppb	0.00
24) Naphthalene-d8	5.678	136	1897184	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	1096374	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1766451	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1608603	40.00	ppb	-0.01
92) Perylene-d12	18.328	264	1204624	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	526898	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	1096374	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1608603	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.566	188	1766451	40.00	ppb	0.00
112) Naphthalene-d8a	5.678	136	1897184	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
103) Benzaldehyde	4.252	105	850168	55.37	ppb	99
106) Atrazine	10.187	215	281870	48.38	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104383a.D
Acq On : 14 May 2014 1:26 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 14 14:20:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104384.D
Acq On : 14 May 2014 1:54 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 14 14:24:47 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

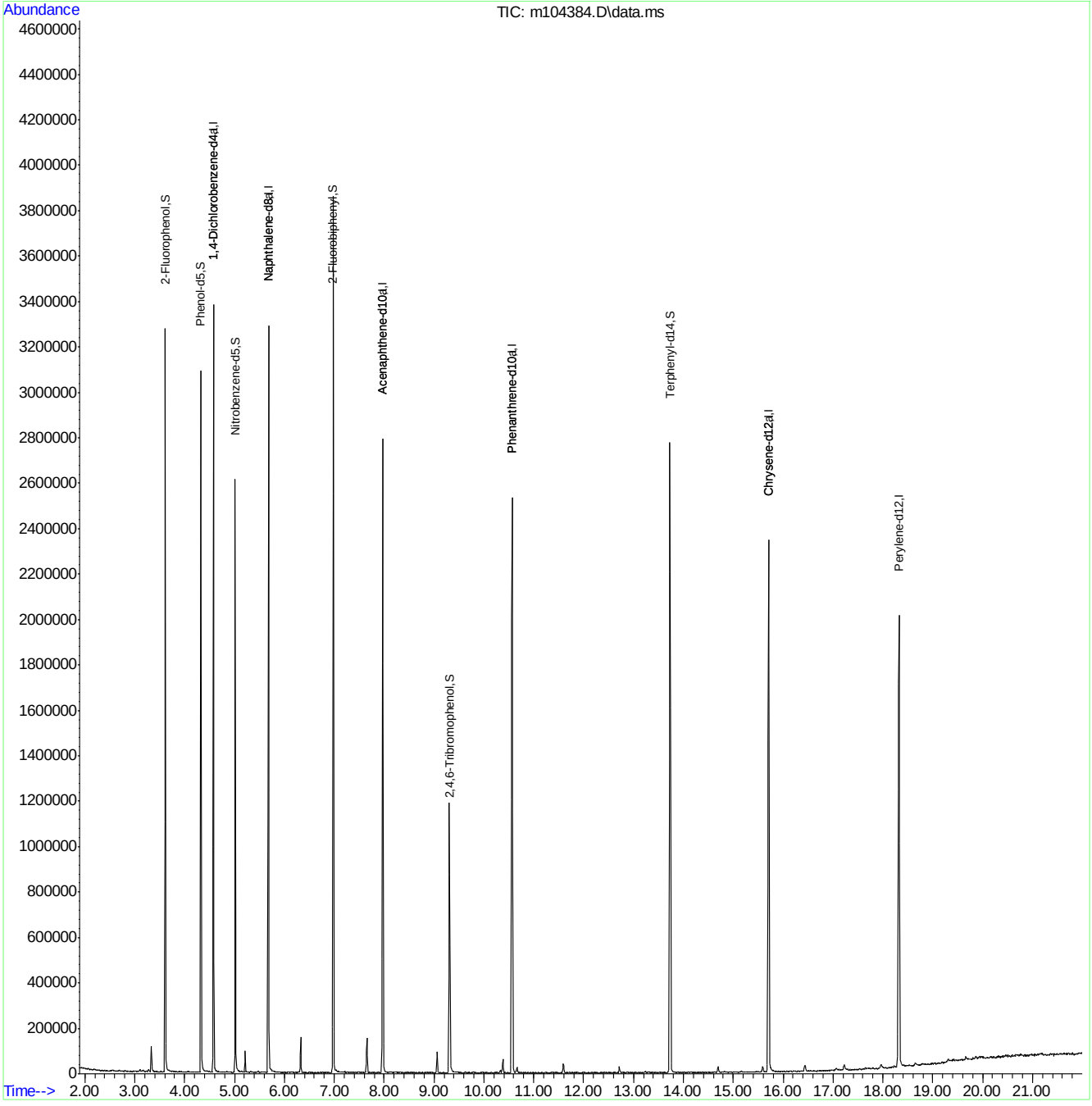
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.576	152	398948	40.00	ppb	0.00
24) Naphthalene-d8	5.682	136	1401517	40.00	ppb	0.00
47) Acenaphthene-d10	7.974	164	769026	40.00	ppb	0.00
69) Phenanthrene-d10	10.565	188	1260895	40.00	ppb	0.00
83) Chrysene-d12	15.709	240	1173785	40.00	ppb	-0.02
92) Perylene-d12	18.321	264	1014181	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.576	152	398948	40.00	ppb	0.00
104) Acenaphthene-d10a	7.974	164	769026	40.00	ppb	0.00
107) Chrysene-d12a	15.709	240	1173785	40.00	ppb	-0.02
110) Phenanthrene-d10a	10.565	188	1260895	40.00	ppb	0.00
112) Naphthalene-d8a	5.682	136	1401517	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.609	112	727269	51.30	ppb	0.00
Spiked Amount 50.000			Recovery = 102.60%			
8) Phenol-d5	4.325	99	867359	49.30	ppb	0.00
Spiked Amount 50.000			Recovery = 98.60%			
25) Nitrobenzene-d5	5.014	82	801238	53.31	ppb	0.00
Spiked Amount 50.000			Recovery = 106.62%			
51) 2-Fluorobiphenyl	6.980	172	1343001	52.90	ppb	0.00
Spiked Amount 50.000			Recovery = 105.80%			
73) 2,4,6-Tribromophenol	9.315	330	158443	51.23	ppb	0.00
Spiked Amount 50.000			Recovery = 102.46%			
86) Terphenyl-d14	13.732	244	1345702	54.15	ppb	0.00
Spiked Amount 50.000			Recovery = 108.30%			
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\em4272\
Data File : m104384.D
Acq On : 14 May 2014 1:54 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 14 14:24:47 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104385.D
Acq On : 14 May 2014 2:23 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 14 14:47:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

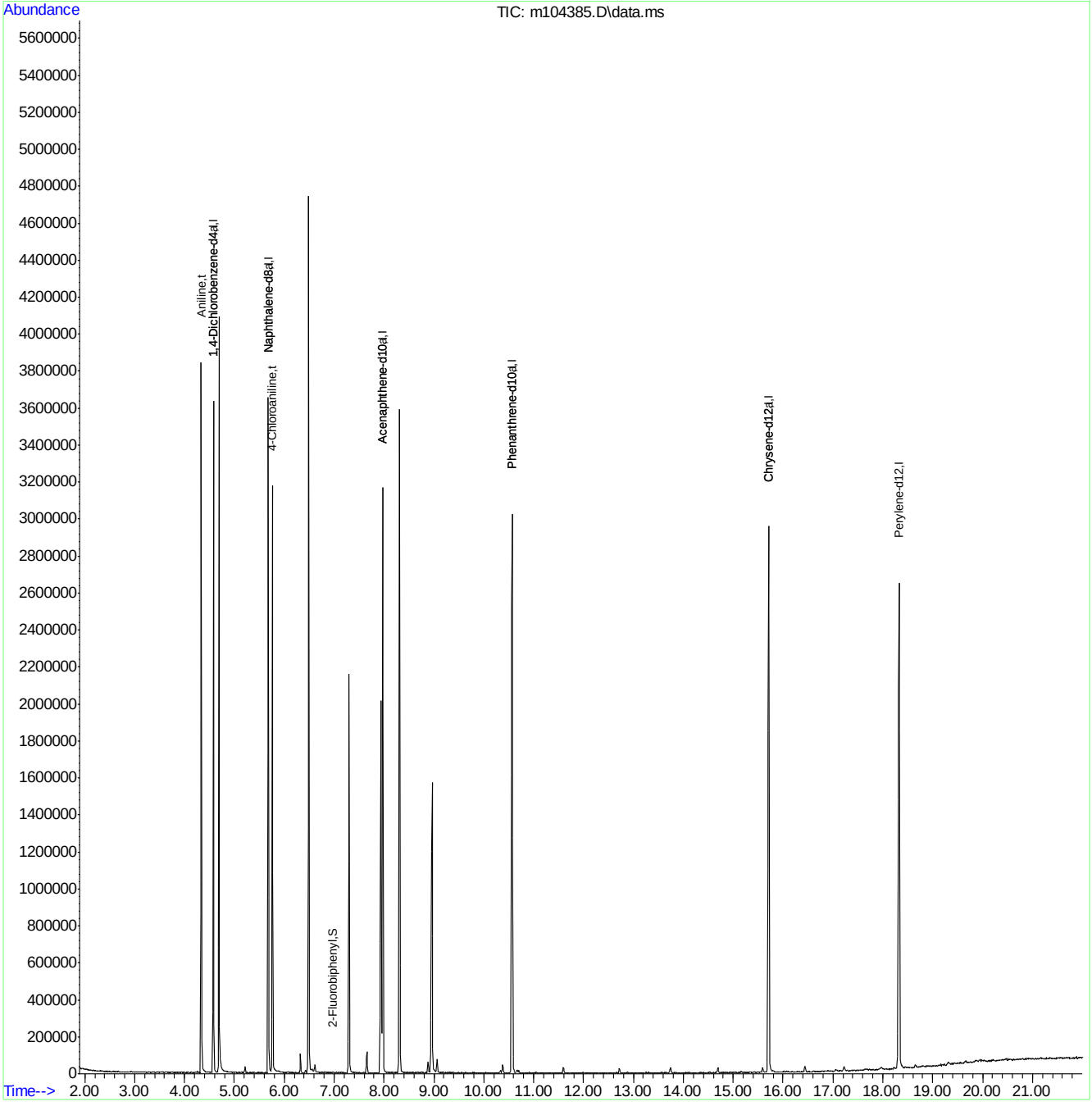
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	416008	40.00	ppb	0.00
24) Naphthalene-d8	5.678	136	1534062	40.00	ppb	0.00
47) Acenaphthene-d10	7.975	164	885300	40.00	ppb	0.00
69) Phenanthrene-d10	10.566	188	1551311	40.00	ppb	0.00
83) Chrysene-d12	15.711	240	1547982	40.00	ppb	-0.01
92) Perylene-d12	18.328	264	1424082	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	416008	40.00	ppb	0.00
104) Acenaphthene-d10a	7.975	164	885300	40.00	ppb	0.00
107) Chrysene-d12a	15.711	240	1547982	40.00	ppb	-0.01
110) Phenanthrene-d10a	10.566	188	1551311	40.00	ppb	0.00
112) Naphthalene-d8a	5.678	136	1534062	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	6.982	172	1702	0.06	ppb	0.00
Spiked Amount 50.000			Recovery =	0.12%		
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%		
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	4.337	93	1266007	53.43	ppb	# 61
39) 4-Chloroaniline	5.764	127	932037	50.73	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104385.D
Acq On : 14 May 2014 2:23 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 14 14:47:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104386.D
Acq On : 14 May 2014 2:52 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 16:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

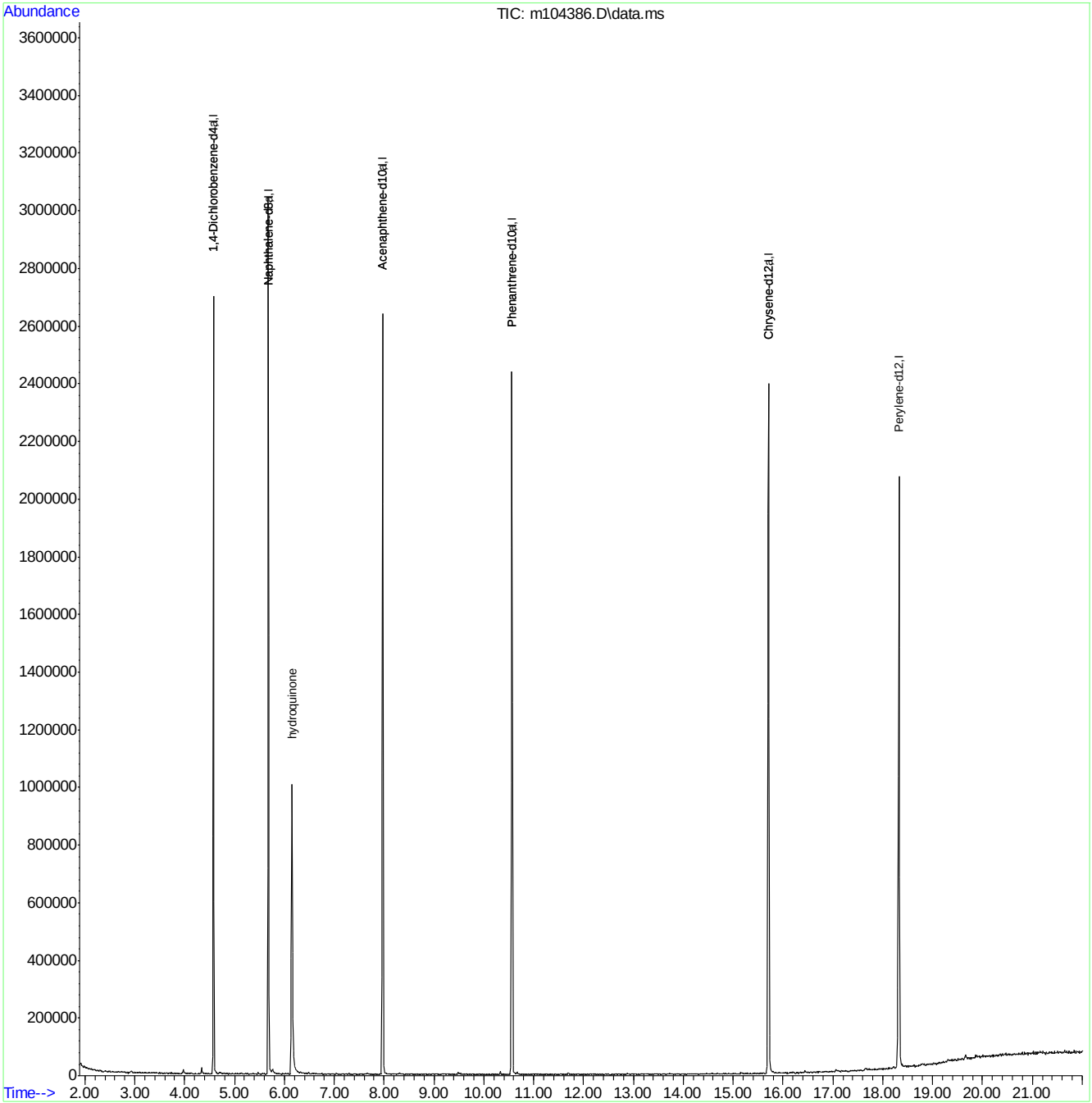
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.575	152	343370	40.00	ppb	0.00
24) Naphthalene-d8	5.680	136	1227621	40.00	ppb	0.00
47) Acenaphthene-d10	7.972	164	704210	40.00	ppb	0.00
69) Phenanthrene-d10	10.563	188	1221213	40.00	ppb	-0.01
83) Chrysene-d12	15.708	240	1209448	40.00	ppb	-0.02
92) Perylene-d12	18.325	264	1076621	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.575	152	343370	40.00	ppb	0.00
104) Acenaphthene-d10a	7.972	164	704210	40.00	ppb	0.00
107) Chrysene-d12a	15.708	240	1209448	40.00	ppb	-0.02
110) Phenanthrene-d10a	10.563	188	1221213	40.00	ppb	-0.01
112) Naphthalene-d8a	5.680	136	1227621	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	6.156	110	733894	63.16	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104386.D
Acq On : 14 May 2014 2:52 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 16:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

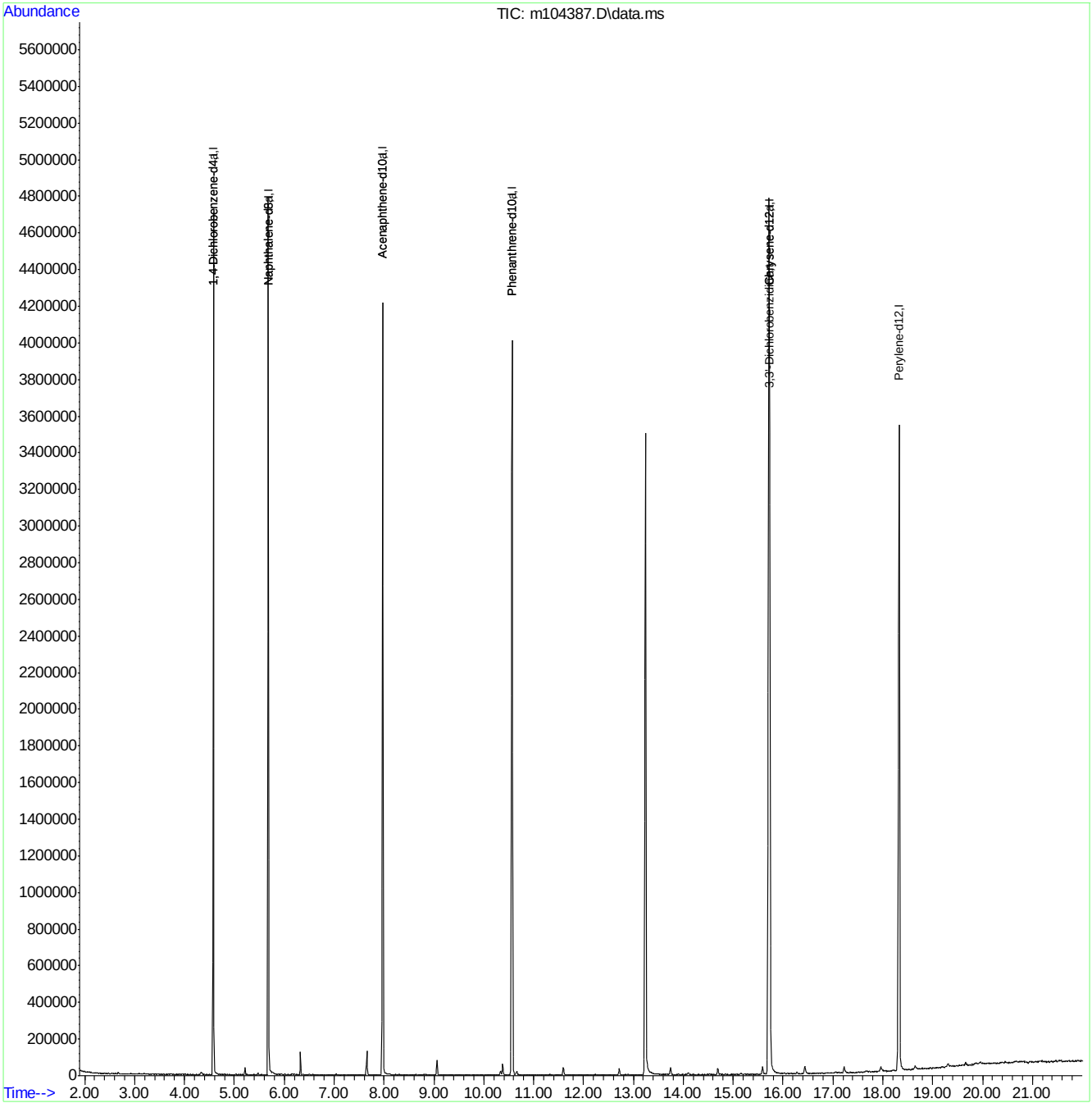
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	557585	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	2033706	40.00	ppb	0.00
47) Acenaphthene-d10	7.976	164	1194575	40.00	ppb	0.00
69) Phenanthrene-d10	10.567	188	2077310	40.00	ppb	0.00
83) Chrysene-d12	15.717	240	2120577	40.00	ppb	0.00
92) Perylene-d12	18.329	264	1997777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	557585	40.00	ppb	0.00
104) Acenaphthene-d10a	7.976	164	1194575	40.00	ppb	0.00
107) Chrysene-d12a	15.717	240	2120577	40.00	ppb	0.00
110) Phenanthrene-d10a	10.567	188	2077310	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	2033706	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	15.733	252	1103625	47.50	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4271-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:09 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387a.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration

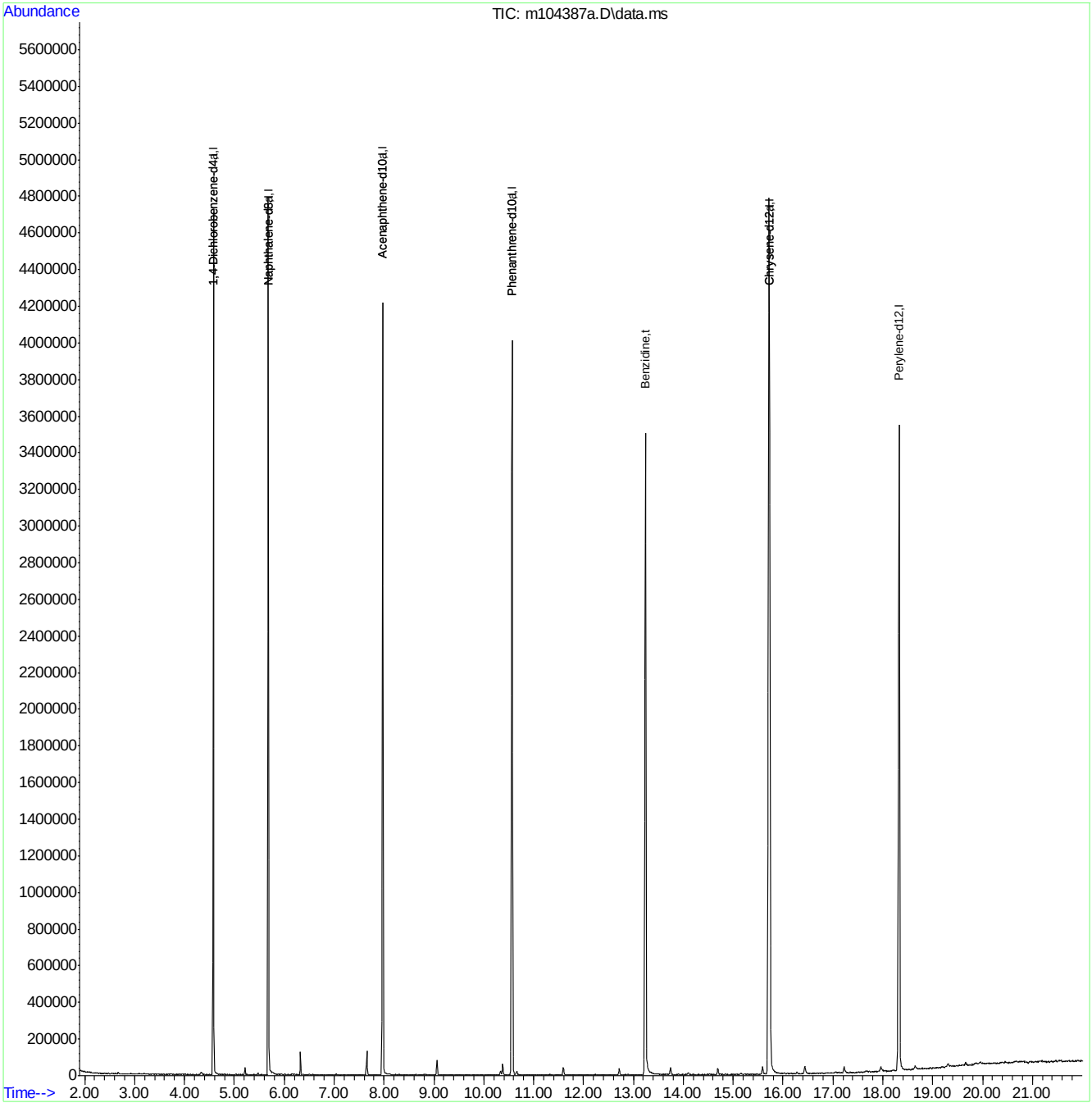
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.578	152	557585	40.00	ppb	0.00
24) Naphthalene-d8	5.679	136	2033706	40.00	ppb	0.00
47) Acenaphthene-d10	7.976	164	1194575	40.00	ppb	0.00
69) Phenanthrene-d10	10.567	188	2077310	40.00	ppb	0.00
83) Chrysene-d12	15.717	240	2120577	40.00	ppb	0.00
92) Perylene-d12	18.329	264	1997777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.578	152	557585	40.00	ppb	0.00
104) Acenaphthene-d10a	7.976	164	1194575	40.00	ppb	0.00
107) Chrysene-d12a	15.717	240	2120577	40.00	ppb	0.00
110) Phenanthrene-d10a	10.567	188	2077310	40.00	ppb	0.00
112) Naphthalene-d8a	5.679	136	2033706	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	13.243	184	2130510	51.65	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4272\
Data File : m104387a.D
Acq On : 14 May 2014 3:20 pm
Operator : saumilp
Sample : ICV4272-50
Misc : op73826,em4272
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 16:13:31 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Wed May 14 14:13:07 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integrations APPROVED
(compounds with "m" flag)
Nina Pandya
06/05/14 10:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104837.D
Acq On : 3 Jun 2014 8:52 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4291
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:08:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.426	152	240860	40.00	ppb		0.00
24) Naphthalene-d8	5.483	136	902394	40.00	ppb		0.00
47) Acenaphthene-d10	7.700	164	568781	40.00	ppb		0.00
69) Phenanthrene-d10	10.265	188	996744	40.00	ppb		0.00
83) Chrysene-d12	15.388	240	911643	40.00	ppb		0.00
92) Perylene-d12	17.995	264	809798	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.426	152	240860	40.00	ppb		0.00
104) Acenaphthene-d10a	7.700	164	568781	40.00	ppb		0.00
107) Chrysene-d12a	15.388	240	911643	40.00	ppb		0.00
109) Naphthalene-d8a	5.483	136	902394	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.555	112	383677	44.82	ppb		0.00
Spiked Amount 50.000			Recovery = 89.64%				
8) Phenol-d5	4.281	99	499785	47.05	ppb		0.00
Spiked Amount 50.000			Recovery = 94.10%				
25) Nitrobenzene-d5	4.864	82	593298	61.31	ppb		0.00
Spiked Amount 50.000			Recovery = 122.62%				
51) 2-Fluorobiphenyl	6.739	172	935564	49.82	ppb		0.00
Spiked Amount 50.000			Recovery = 99.64%				
73) 2,4,6-Tribromophenol	9.041	330	131520	53.79	ppb		0.00
Spiked Amount 50.000			Recovery = 107.58%				
86) Terphenyl-d14	13.400	244	963807	49.93	ppb		0.00
Spiked Amount 50.000			Recovery = 99.86%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.915	88	165674	38.83	ppb		91
4) N-Nitrosodimethylamine	2.251	42	298068	77.71	ppb	#	45
6) Indene	4.613	116	775703	47.54	ppb		97
7) Cumene	3.817	105	1155789	48.53	ppb		94
9) Phenol	4.292	94	548463	44.16	ppb		87
11) bis(2-Chloroethyl)ether	4.239	93	392823	46.11	ppb		92
12) 2-Chlorophenol	4.324	128	443965	48.77	ppb		93
13) Decane	4.297	43	482802	61.50	ppb		92
14) 1,3-Dichlorobenzene	4.383	146	470452	49.29	ppb		93
15) 1,4-Dichlorobenzene	4.436	146	493920	50.88	ppb		98
16) Benzyl alcohol	4.613	108	10115m	1.70	ppb		
17) 1,2-Dichlorobenzene	4.554	146	457821	50.25	ppb		93
18) Acetophenone	4.741	105	711783	53.46	ppb		90
19) 2-Methylphenol	4.693	108	376513	45.62	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.634	121	137768	50.55	ppb		95
21) 3&4-Methylphenol	4.821	108	379925	44.39	ppb		89
22) n-Nitroso-di-n-propyla...	4.741	70	390460	62.20	ppb		81
23) Hexachloroethane	4.805	201	195544	58.32	ppb		94
26) Nitrobenzene	4.880	77	655571	63.62	ppb		87
27) Quinoline	6.023	129	834793	43.98	ppb		92
28) Isophorone	5.077	82	998587	57.15	ppb		91
29) 2-Nitrophenol	5.147	139	244426	52.13	ppb	#	56
30) 2,4-Dimethylphenol	5.232	107	468322	56.26	ppb		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104837.D
Acq On : 3 Jun 2014 8:52 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4291
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:08:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Benzoic acid	5.425	105	116307	18.43	ppb		79
32) bis(2-Chloroethoxy)met...	5.264	93	499486	49.64	ppb		99
33) 2,4-Dichlorophenol	5.425	162	354182	51.26	ppb		98
34) 2,6-Dichlorophenol	5.601	162	354796	51.98	ppb		97
35) 1,3,5-Trichlorobenzene	5.141	180	444180	50.09	ppb		98
36) 1,2,4-Trichlorobenzene	5.430	180	424632	54.54	ppb		98
37) 1,2,3-Trichlorobenzene	5.654	180	423205	50.74	ppb		97
38) Naphthalene	5.505	128	1284456	49.89	ppb		98
39) 4-Chloroaniline	5.601	127	7906	0.73	ppb	#	8
40) 2,3-Dichloroaniline	6.659	161	106271	11.29	ppb		86
41) Caprolactam	6.055	55	207909	53.60	ppb		86
42) Hexachlorobutadiene	5.628	225	270875	63.15	ppb		98
43) 4-Chloro-3-methylphenol	6.226	107	364294	45.43	ppb		86
44) 2-Methylnaphthalene	6.263	141	744646	52.78	ppb		89
45) 1-Methylnaphthalene	6.381	142	849261	48.46	ppb		92
46) Dimethylnaphthalene	7.086	156	807101	50.07	ppb		94
48) Hexachlorocyclopentadiene	6.456	237	640449	140.14	ppb		99
49) 2,4,6-Trichlorophenol	6.675	196	283152	51.12	ppb		97
50) 2,4,5-Trichlorophenol	6.787	196	281683	46.95	ppb		98
52) 2-Chloronaphthalene	6.888	162	868157	51.05	ppb		93
53) Biphenyl	6.872	154	1094074	46.00	ppb		98
54) 2-Nitroaniline	7.107	65	338686	61.58	ppb	#	74
55) Dimethylphthalate	7.358	163	989142	53.21	ppb		99
56) Acenaphthylene	7.487	152	1336758	49.03	ppb		98
57) 2,6-Dinitrotoluene	7.449	165	234911	53.82	ppb		80
58) 3-Nitroaniline	7.748	138	2229	0.45	ppb	#	25
59) Acenaphthene	7.754	153	823098	49.75	ppb		98
60) 2,4-Dinitrophenol	7.903	184	295655	112.96	ppb	#	52
61) 4-Nitrophenol	8.309	109	173071	62.60	ppb	#	41
62) Dibenzofuran	8.037	168	1206413	50.50	ppb		93
63) 2,4-Dinitrotoluene	8.096	165	327088	54.99	ppb		62
64) 2,3,4,6-Tetrachlorophenol	8.309	232	241643	51.51	ppb		94
65) Diethylphthalate	8.507	149	1049157	57.33	ppb		97
66) Fluorene	8.603	166	975696	50.33	ppb		94
67) 4-Chlorophenyl-phenyle...	8.630	204	491249	52.94	ppb		89
68) 4-Nitroaniline	8.790	138	5188	1.07	ppb	#	32
70) 4,6-Dinitro-2-methylph...	8.785	198	203207	55.12	ppb		76
71) n-Nitrosodiphenylamine	8.870	169	636869	46.83	ppb		99
72) 1,2-Diphenylhydrazine	8.908	77	1293112	58.41	ppb		93
74) 4-Bromophenyl-phenylether	9.485	248	276661	52.97	ppb		86
75) Hexachlorobenzene	9.570	284	294988	54.32	ppb		95
76) Pentachlorophenol	10.019	266	259365	79.98	ppb		95
77) Phenanthrene	10.307	178	1385614	47.55	ppb		99
78) Anthracene	10.403	178	1431441	48.13	ppb		98
79) Carbazole	10.804	167	1286195	42.68	ppb		98
80) Di-n-butylphthalate	11.547	149	1690148	53.06	ppb		97
81) Fluoranthene	12.572	202	1479161	45.66	ppb		95
82) Octadecane	10.227	57	639921	51.80	ppb		92
84) Pyrene	12.989	202	1528095	48.84	ppb		99
85) Butyl stearate	14.661	56	417114	57.67	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104837.D
Acq On : 3 Jun 2014 8:52 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4291
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:08:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Butylbenzylphthalate	14.458	149	716546	55.10	ppb	83
88) Benzo[a]anthracene	15.366	228	1378224	49.05	ppb	97
89) 3,3'-Dichlorobenzidine	15.430	252	111405	11.15	ppb	92
90) Chrysene	15.436	228	1274190	49.06	ppb	98
91) bis(2-Ethylhexyl)phtha...	15.649	149	1020924	55.37	ppb	98
93) Di-n-octylphthalate	16.862	149	1788231	56.56	ppb	97
94) Benzo[b]fluoranthene	17.364	252	1497971	54.03	ppb	95
95) Benzo[k]fluoranthene	17.412	252	1309290	50.16	ppb	96
96) Benzo[a]pyrene	17.898	252	1234556	50.30	ppb	97
97) Indeno[1,2,3-cd]pyrene	19.640	276	1330091	55.48	ppb	90
98) Dibenz(a,h)acridine	19.319	279	1036596	47.73	ppb	97
99) Dibenz[a,h]anthracene	19.672	278	1206211	53.01	ppb	97
100) 7,12-Dimethylbenz(a)an...	17.354	256	701270	51.29	ppb	96
101) Benzo[g,h,i]perylene	20.035	276	1214528	50.53	ppb	92

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

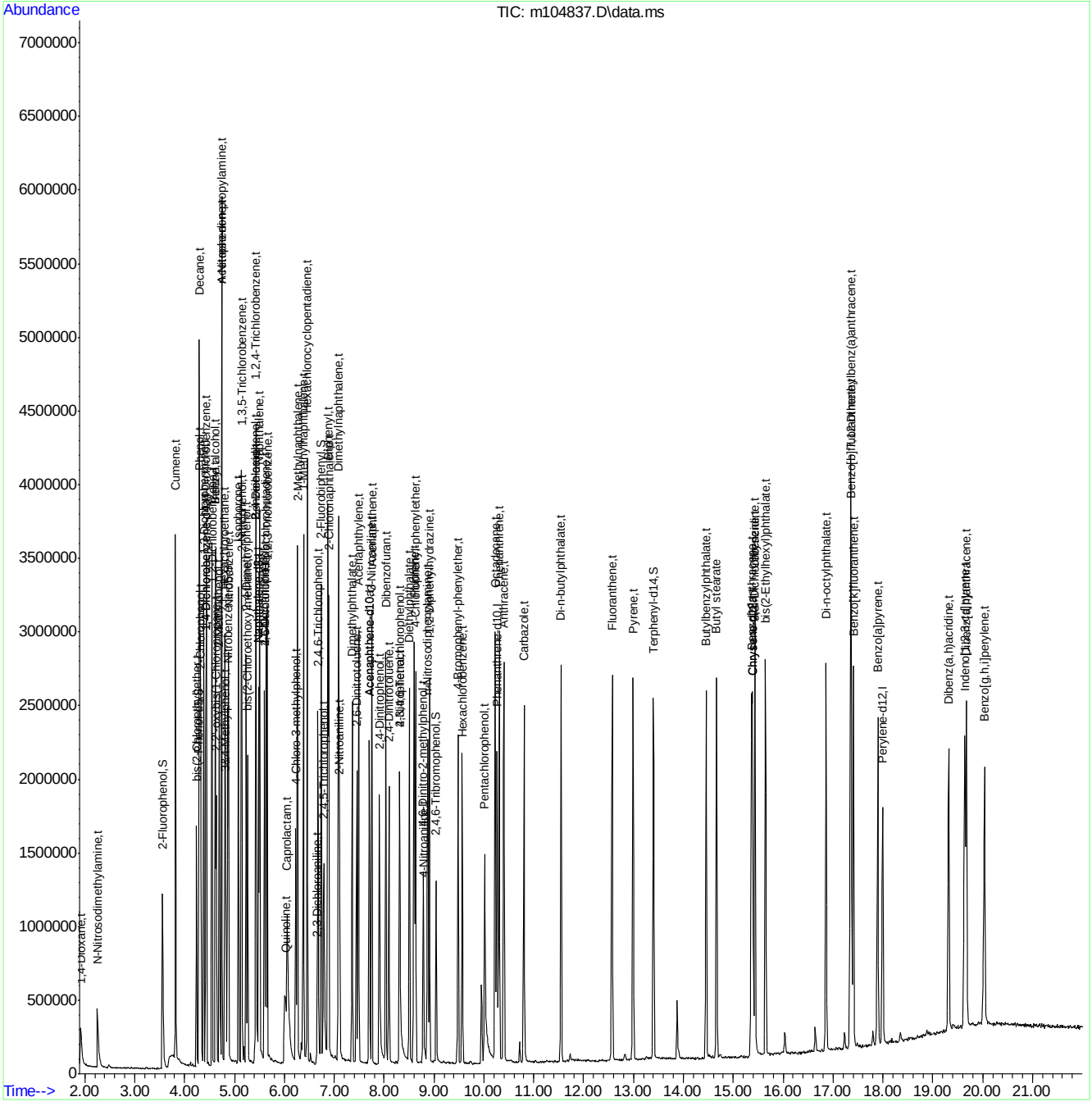
9.6.83

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104837.D
Acq On : 3 Jun 2014 8:52 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4291
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:10:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:08:58 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

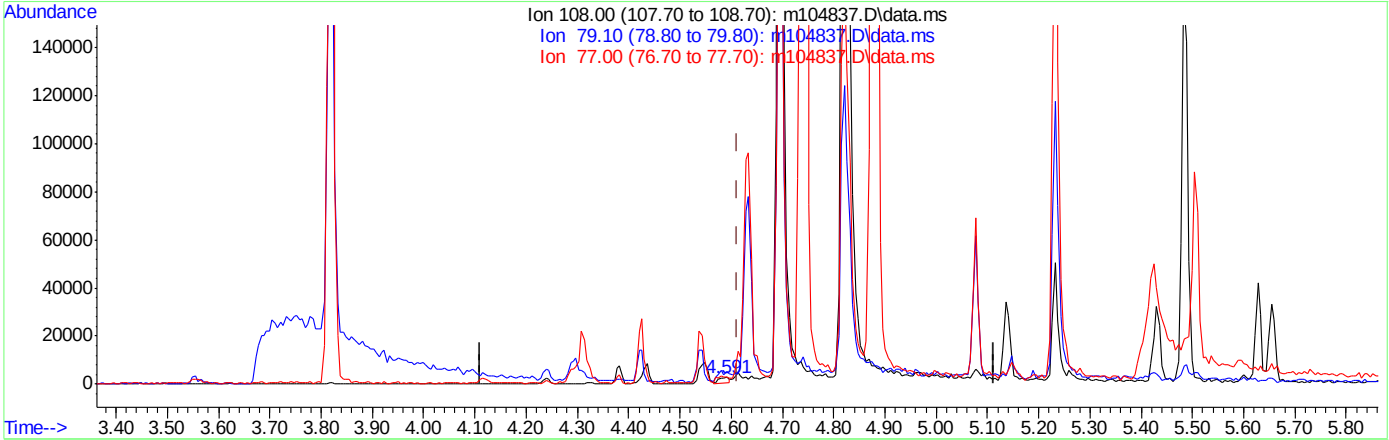
Sample Number:	EM4291-CC4271	**Method:**	SW846 8270D
Lab FileID:	M104837.D	**Analyst approved:**	06/03/14 13:31 Saumil Patel
Injection Time:	06/03/14 08:52	**Supervisor approved:**	06/05/14 10:28 Nina Pandya

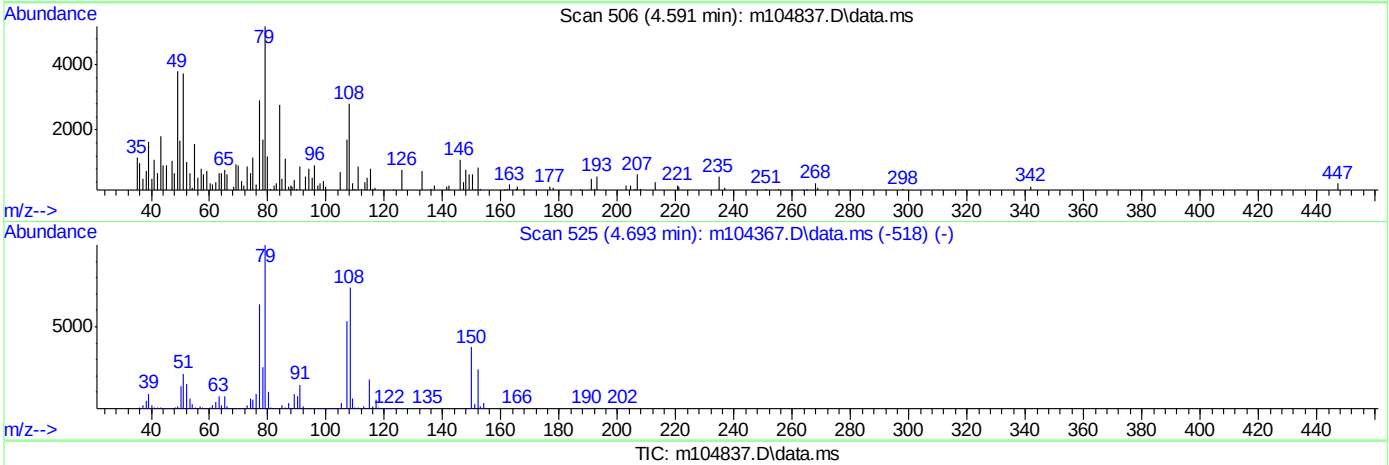
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Alcohol	100-51-6		4.61	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104837.D
Acq On : 3 Jun 2014 8:52 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4291
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:09:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:08:58 2014
Response via : Initial Calibration





TIC: m104837.D\data.ms

(16) Benzyl alcohol (t)

4.591min (-0.021) 0.54ppb

response 3227

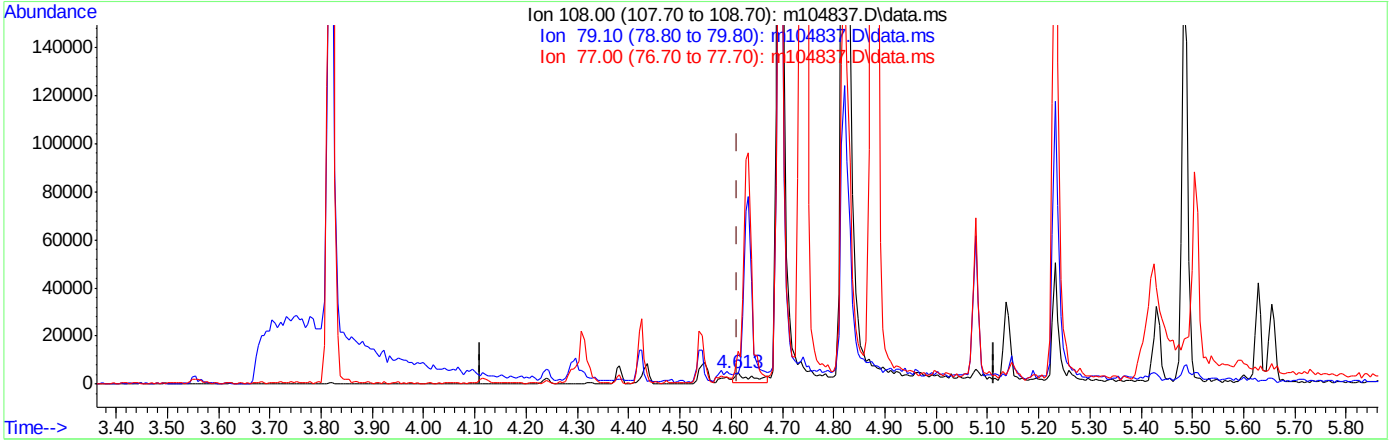
Ion	Exp%	Act%
108.00	100	100
79.10	135.60	164.80
77.00	86.60	76.59
0.00	0.00	0.00

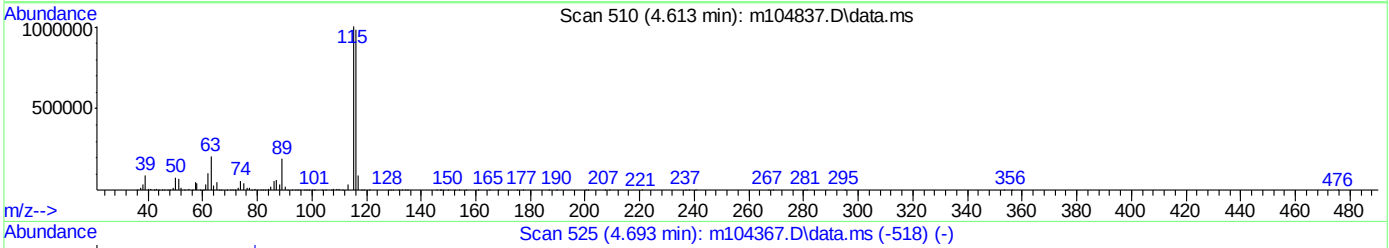
ACCUTEST LABORATORIES JB67744

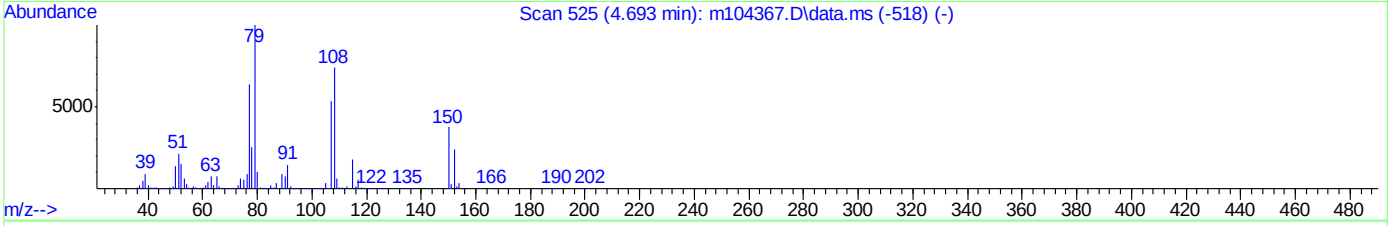
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104837.D
Acq On : 3 Jun 2014 8:52 am
Operator : saumilp
Sample : CC4271-50
Misc : op73826,em4291
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 11:09:06 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:08:58 2014
Response via : Initial Calibration







TIC: m104837.D\data.ms

(16) Benzyl alcohol (t)

4.613min (0.000) 1.70ppb m

response 10115

Ion	Exp%	Act%
108.00	100	100
79.10	135.60	89.46#
77.00	86.60	283.84#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104838.D
Acq On : 3 Jun 2014 9:26 am
Operator : saumilp
Sample : CC4272-50
Misc : op73826,em4291
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 11:13:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:12:46 2014
Response via : Initial Calibration

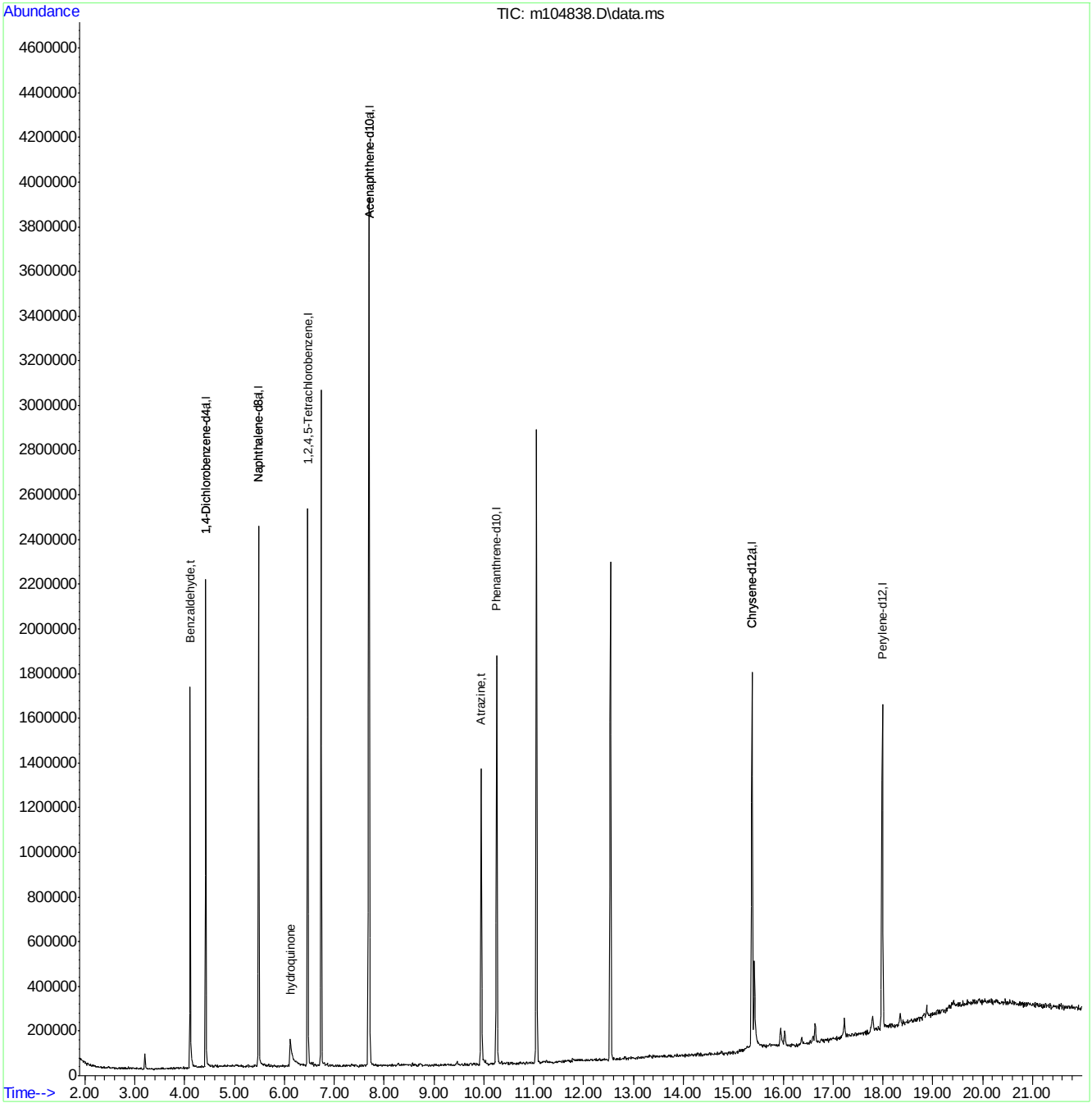
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.421	152	212019	40.00	ppb		0.00
24) Naphthalene-d8	5.484	136	796587	40.00	ppb		0.00
47) Acenaphthene-d10	7.701	164	511062	40.00	ppb		0.00
69) Phenanthrene-d10	10.260	188	862655	40.00	ppb		0.00
83) Chrysene-d12	15.377	240	770973	40.00	ppb		0.00
92) Perylene-d12	17.990	264	721384	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.421	152	212019	40.00	ppb		0.00
104) Acenaphthene-d10a	7.701	164	511062	40.00	ppb		0.00
107) Chrysene-d12a	15.377	240	770973	40.00	ppb		0.00
109) Naphthalene-d8a	5.484	136	796587	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%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
103) Benzaldehyde	4.111	105	253209	40.98	ppb		89
105) 1,2,4,5-Tetrachloroben...	6.467	216	396440	49.42	ppb		98
106) Atrazine	9.944	215	108012	39.77	ppb	#	87
110) hydroquinone	6.114	110	116604	15.46	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4291\
Data File : m104838.D
Acq On : 3 Jun 2014 9:26 am
Operator : saumilp
Sample : CC4272-50
Misc : op73826,em4291
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 11:13:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4271.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Tue Jun 03 11:12:46 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

9.6.84 9

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.791	152	351883	40.00	ppb	0.00
24) Naphthalene-d8	5.137	136	1428684	40.00	ppb	0.00
47) Acenaphthene-d10	7.199	164	783725	40.00	ppb	0.00
69) Phenanthrene-d10	9.000	188	1356303	40.00	ppb	0.00
83) Chrysene-d12	12.750	240	1313310	40.00	ppb	0.00
92) Perylene-d12	14.796	264	1206787	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.791	152	351883	40.00	ppb	0.00
104) Phenanthrene-d10a	9.000	188	1356303	40.00	ppb	0.00
107) Chrysene-d12a	12.750	240	1313310	40.00	ppb	0.00
110) Acenaphthene-d10a	7.199	164	783725	40.00	ppb	0.00
112) Naphthalene-d8a	5.137	136	1428684	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	1149426	100.15	ppb	0.00
Spiked Amount 50.000			Recovery =	200.30%		
8) Phenol-d5	3.449	99	1421106	100.15	ppb	0.00
Spiked Amount 50.000			Recovery =	200.30%		
25) Nitrobenzene-d5	4.357	82	1196249	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
51) 2-Fluorobiphenyl	6.409	172	2163878	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
73) 2,4,6-Tribromophenol	8.150	330	351261	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
86) Terphenyl-d14	11.211	244	2561783	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
106) 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
2) 1,4-Dioxane	1.745	88	559104	100.15	ppb	100
3) Pyridine	1.910	79	1524538	100.15	ppb	100
4) N-Nitrosodimethylamine	1.884	74	801403	100.15	ppb	100
6) Indene	4.047	116	1962255	100.15	ppb	100
7) Cumene	3.080	105	3036294	100.15	ppb	100
9) Phenol	3.460	94	1571342	100.15	ppb	100
10) Aniline	3.481	93	1514146	100.15	ppb	100
11) bis(2-Chloroethyl)ether	3.529	93	1096233	100.15	ppb	100
12) 2-Chlorophenol	3.599	128	1246720	100.15	ppb	100
13) Decane	3.625	43	1302024	100.15	ppb	100
14) 1,3-Dichlorobenzene	3.738	146	1279329	99.67	ppb	100
15) 1,4-Dichlorobenzene	3.807	146	1302642	99.59	ppb	100
16) Benzyl alcohol	3.930	108	786047	97.41	ppb	100
17) 1,2-Dichlorobenzene	3.962	146	1218658	100.15	ppb	100
18) Acetophenone	4.197	105	1698021	100.15	ppb	100
19) 2-Methylphenol	4.042	108	965217	100.15	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.058	121	333757	99.15	ppb	100
21) 3&4-Methylphenol	4.208	108	1086489	98.64	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.197	70	750887	99.60	ppb	100
23) Hexachloroethane	4.304	201	421928	100.15	ppb	100
26) Nitrobenzene	4.379	77	1260472	100.00	ppb	100
27) Quinoline	5.559	129	2764425	100.00	ppb	100
28) Isophorone	4.630	82	2116041	100.00	ppb	100
29) 2-Nitrophenol	4.720	139	647383	100.00	ppb	100
30) 2,4-Dimethylphenol	4.779	107	1147847	100.00	ppb	100
31) Benzoic Acid	4.972	105	985093m	101.13	ppb	
32) bis(2-Chloroethoxy)met...	4.870	93	1277528	100.00	ppb	100
33) 2,4-Dichlorophenol	4.988	162	946641	100.00	ppb	100
34) 2,6-Dichlorophenol	5.244	162	881352	100.00	ppb	100
35) 1,3,5-Trichlorobenzene	4.731	180	1202027	100.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.073	180	1047290	100.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.330	180	1164522	100.00	ppb	100
38) Naphthalene	5.164	128	3382247	100.00	ppb	100
39) 4-Chloroaniline	5.239	127	1319188	100.00	ppb	100
40) 2,3-Dichloroaniline	6.302	161	1238582	100.00	ppb	100
41) Caprolactam	5.661	55	715231m	99.99	ppb	
42) Hexachlorobutadiene	5.313	225	544080	100.00	ppb	100
43) 4-Chloro-3-methylphenol	5.832	107	1039142	100.00	ppb	100
44) 2-Methylnaphthalene	5.960	141	1910113	100.00	ppb	100
45) 1-Methylnaphthalene	6.077	141	2133885	100.00	ppb	100
46) Dimethylnaphthalene	6.708	156	2185213	100.00	ppb	100
48) Hexachlorocyclopentadiene	6.158	237	1297284	200.00	ppb	100
49) 2,4,6-Trichlorophenol	6.312	196	653379	100.00	ppb	100
50) 2,4,5-Trichlorophenol	6.361	196	729919	100.00	ppb	100
52) 2-Chloronaphthalene	6.537	162	2009061	100.00	ppb	100
53) Biphenyl	6.521	154	2881884	100.00	ppb	100
54) 2-Nitroaniline	6.681	65	680398	100.00	ppb	100
55) Dimethylphthalate	6.905	163	2317384	100.00	ppb	100
56) Acenaphthylene	7.028	152	3359640	100.00	ppb	100
57) 2,6-Dinitrotoluene	6.970	165	563059	100.00	ppb	100
58) 3-Nitroaniline	7.178	138	690447	100.00	ppb	100
59) Acenaphthene	7.237	153	2018310	100.00	ppb	100
60) 2,4-Dinitrophenol	7.301	184	736501	200.00	ppb	100
61) 4-Nitrophenol	7.418	109	320100	100.00	ppb	100
62) Dibenzofuran	7.450	168	2682934	100.00	ppb	100
63) 2,4-Dinitrotoluene	7.456	165	718825	100.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.611	232	594731	100.00	ppb	100
65) Diethylphthalate	7.760	149	2307416	100.00	ppb	100
66) Fluorene	7.856	166	2202062	100.00	ppb	100
67) 4-Chlorophenyl-phenyle...	7.872	204	1009491	100.00	ppb	100
68) 4-Nitroaniline	7.926	138	704322	100.00	ppb	100
70) 4,6-Dinitro-2-methylph...	7.947	198	489929	100.00	ppb	100
71) n-Nitrosodiphenylamine	8.022	169	1592132	100.00	ppb	100
72) 1,2-Diphenylhydrazine	8.065	77	2433657	100.00	ppb	100
74) 4-Bromophenyl-phenylether	8.460	248	634609	99.64	ppb	100
75) Hexachlorobenzene	8.530	284	750150	100.00	ppb	100
76) Pentachlorophenol	8.786	266	941585	200.00	ppb	100
77) Phenanthrene	9.032	178	3416012	100.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration

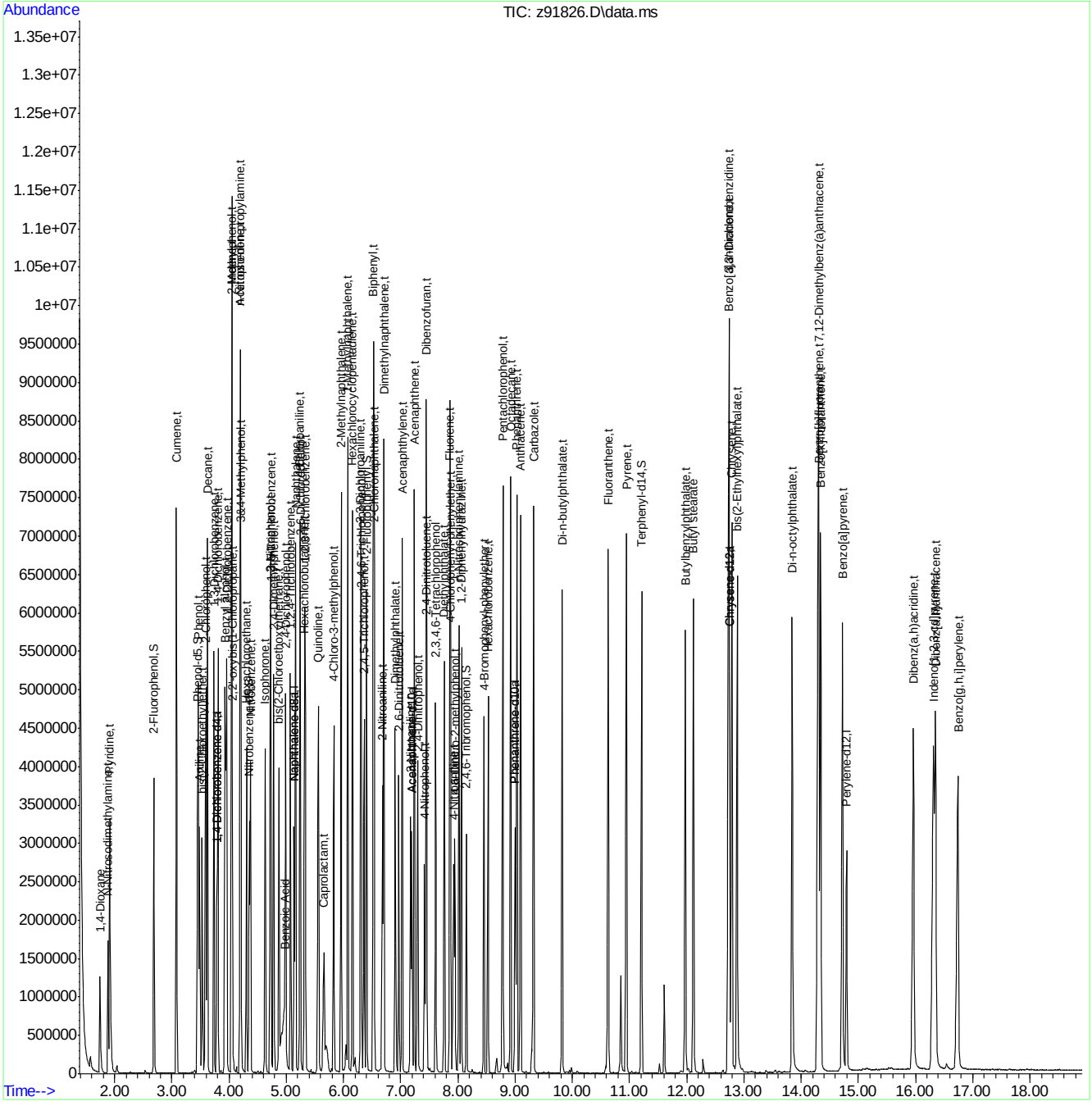
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	9.096	178	3442482	100.00	ppb	100
79)	Carbazole	9.325	167	3716352	100.00	ppb	100
80)	Di-n-butylphthalate	9.822	149	3923026	100.00	ppb	100
81)	Fluoranthene	10.629	202	3614218	100.00	ppb	100
82)	Octadecane	8.925	57	1681781	100.00	ppb	100
84)	Pyrene	10.950	202	3807465	100.00	ppb	100
85)	Butyl stearate	12.114	56	1118083	100.00	ppb	100
87)	Butylbenzylphthalate	11.975	149	1802691	100.00	ppb	100
88)	Benzo[a]anthracene	12.734	228	3502023	100.00	ppb	100
89)	3,3'-Dichlorobenzidine	12.739	252	1237057	100.00	ppb	100
90)	Chrysene	12.793	228	3377072	100.00	ppb	100
91)	bis(2-Ethylhexyl)phtha...	12.883	149	2514606	100.00	ppb	100
93)	Di-n-octylphthalate	13.845	149	4287069	100.00	ppb	100
94)	Benzo[b]fluoranthene	14.310	252	3736770	100.00	ppb	100
95)	Benzo[k]fluoranthene	14.342	252	3390256	99.84	ppb	100
96)	Benzo[a]pyrene	14.727	252	3229461	100.00	ppb	100
97)	Indeno[1,2,3-cd]pyrene	16.313	276	3573185	100.00	ppb	100
98)	Dibenz(a,h)acridine	15.966	279	3350151	100.00	ppb	100
99)	Dibenz[a,h]anthracene	16.351	278	3388290	100.00	ppb	100
100)	7,12-Dimethylbenz(a)an...	14.304	256	1867216	100.00	ppb	100
101)	Benzo[g,h,i]perylene	16.746	276	3313792	99.56	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration



Manual Integration Approval Summary

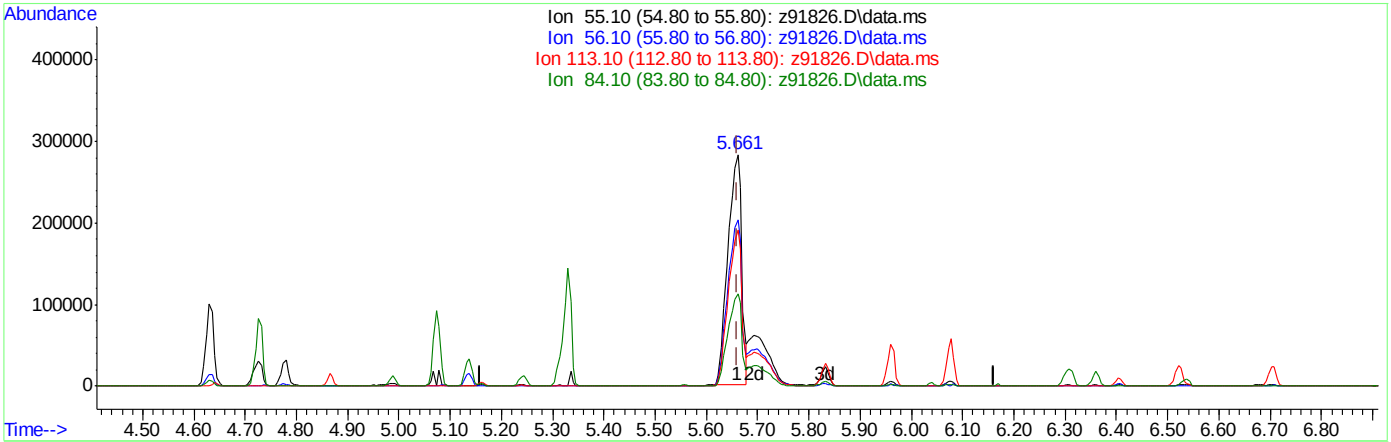
Sample Number: EZ4569-IC4569
Lab FileID: Z91826.D
Injection Time: 05/24/14 10:56
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

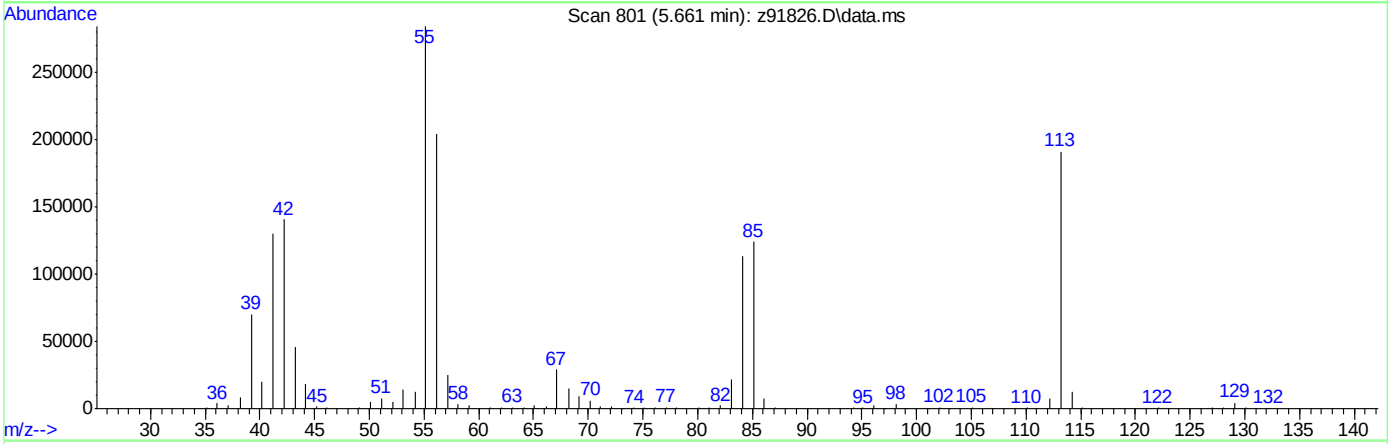
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.97	Poor instrument integration
Caprolactam	105-60-2		5.66	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:56:15 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(41) Caprolactam (t)

5.661min (0.000) 74.07ppb

response 529842

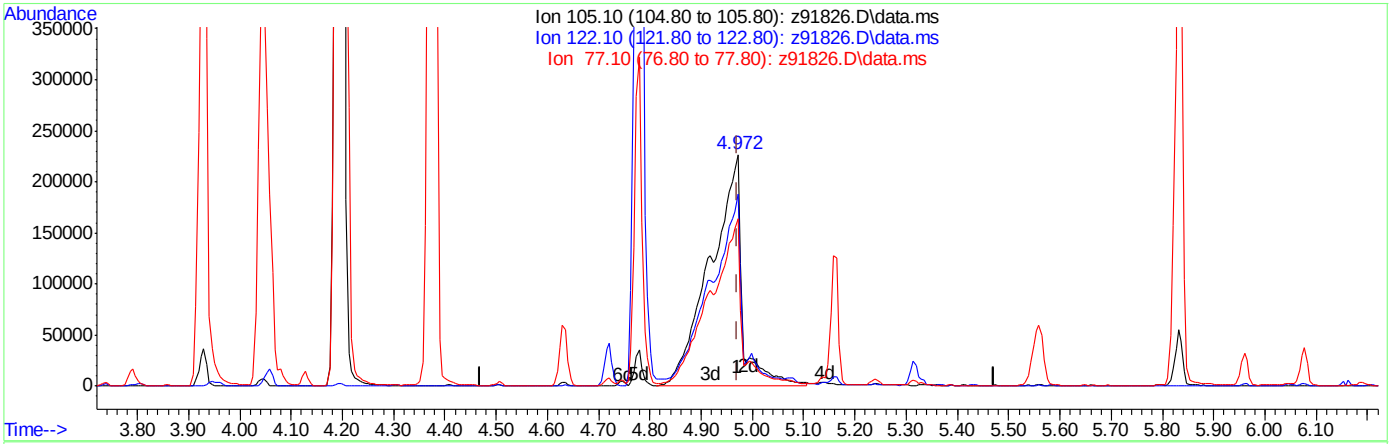
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.42
113.10	67.30	67.26
84.10	40.00	40.33

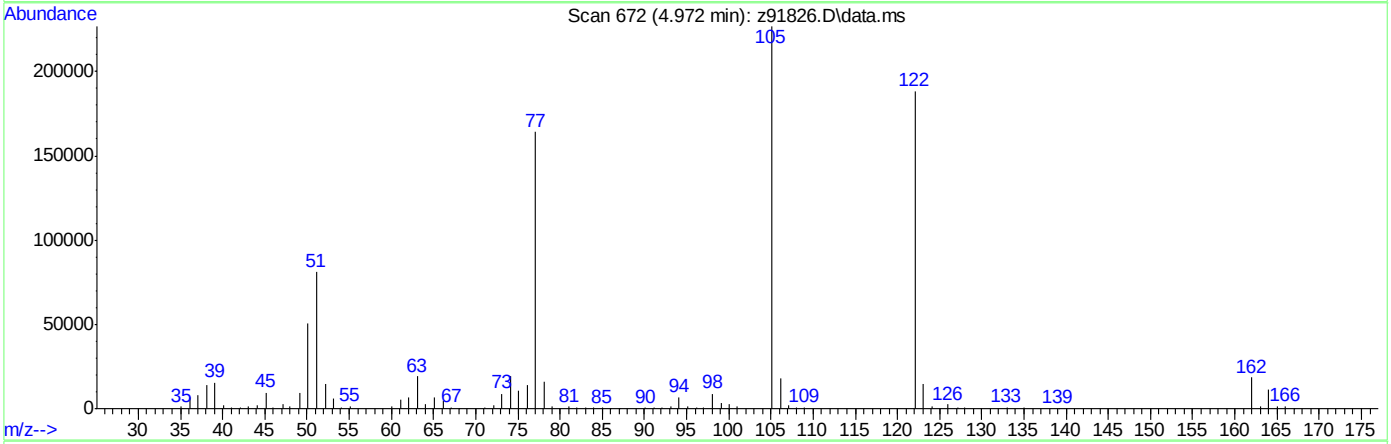
Z91826.D edits: Caprolactam

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(31) Benzoic Acid

4.972min (+0.001) 101.13ppb m

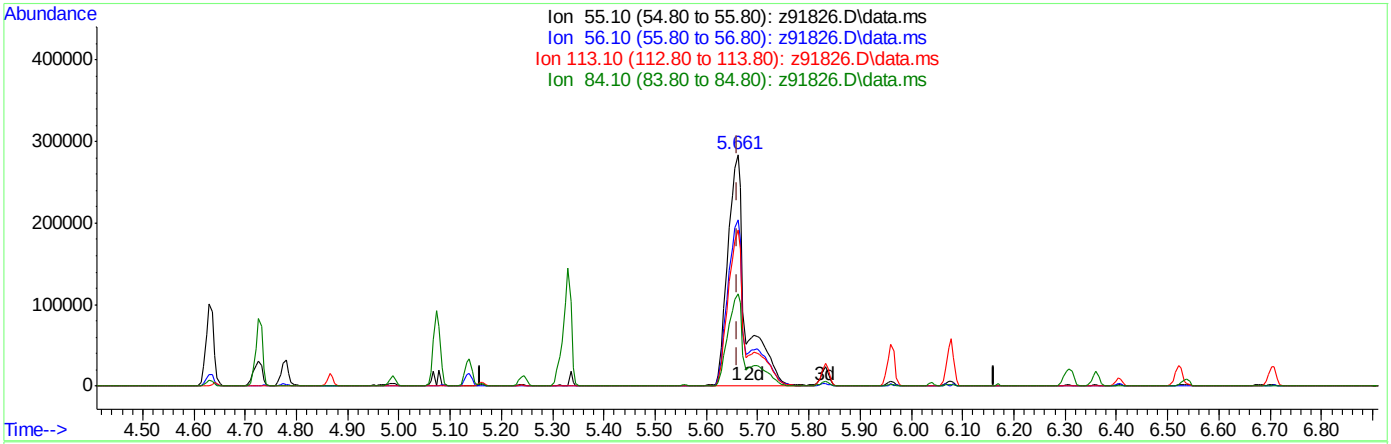
response 985093

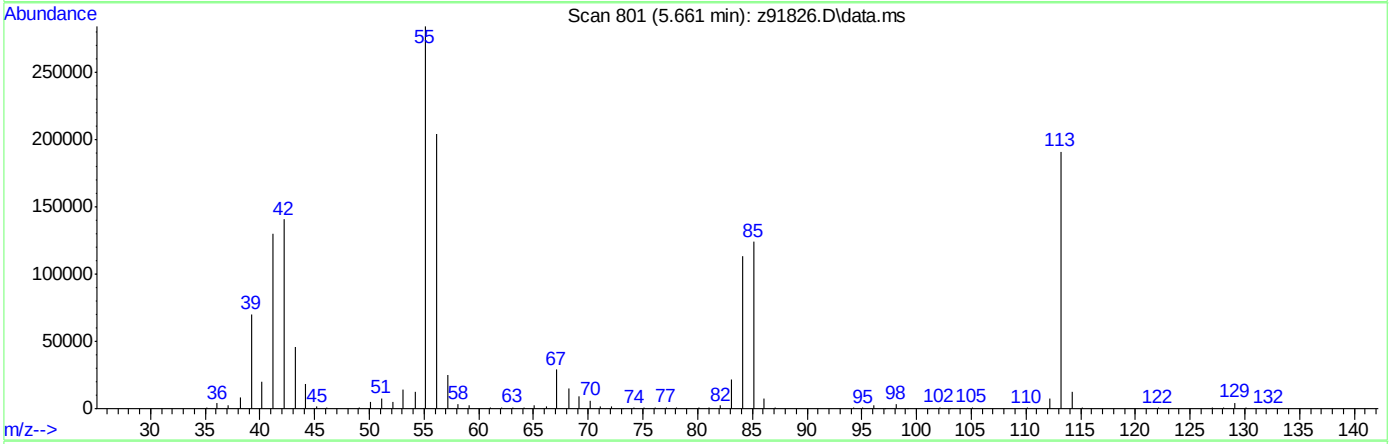
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	45.44#
77.10	33.90	39.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91826.D
Acq On : 24 May 2014 10:56 am
Operator : ashleyv
Sample : IC4569-100
Misc : op73791,ez4569
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 12:57:03 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:56:06 2014
Response via : Initial Calibration





TIC: z91826.D\data.ms

(41) Caprolactam (t)

5.661min (0.000) 99.99ppb m

response 715231

Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.76
113.10	67.30	67.27
84.10	40.00	40.03

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.791	152	361107	40.00	ppb	0.00
24) Naphthalene-d8	5.137	136	1440210	40.00	ppb	0.00
47) Acenaphthene-d10	7.194	164	810215	40.00	ppb	0.00
69) Phenanthrene-d10	9.000	188	1380028	40.00	ppb	0.01
83) Chrysene-d12	12.745	240	1333317	40.00	ppb	0.01
92) Perylene-d12	14.791	264	1218008	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.791	152	361107	40.00	ppb	0.00
104) Phenanthrene-d10a	9.000	188	1380028	40.00	ppb	0.01
107) Chrysene-d12a	12.745	240	1333317	40.00	ppb	0.01
110) Acenaphthene-d10a	7.194	164	810215	40.00	ppb	0.00
112) Naphthalene-d8a	5.137	136	1440210	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	981195	80.61	ppb	0.00
Spiked Amount 50.000			Recovery =	161.22%		
8) Phenol-d5	3.444	99	1217203	80.68	ppb	0.00
Spiked Amount 50.000			Recovery =	161.36%		
25) Nitrobenzene-d5	4.352	82	1024013	82.38	ppb	0.00
Spiked Amount 50.000			Recovery =	164.76%		
51) 2-Fluorobiphenyl	6.404	172	1872470	77.97	ppb	0.00
Spiked Amount 50.000			Recovery =	155.94%		
73) 2,4,6-Tribromophenol	8.150	330	293677	79.84	ppb	0.01
Spiked Amount 50.000			Recovery =	159.68%		
86) Terphenyl-d14	11.206	244	2151983	80.24	ppb	0.00
Spiked Amount 50.000			Recovery =	160.48%		
106) 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
2) 1,4-Dioxane	1.745	88	479568	84.67	ppb	99
3) Pyridine	1.911	79	1303941	86.33	ppb	99
4) N-Nitrosodimethylamine	1.884	74	687860	81.88	ppb	100
6) Indene	4.048	116	1738322	81.40	ppb	99
7) Cumene	3.081	105	2640936	84.46	ppb	100
9) Phenol	3.460	94	1364198	82.72	ppb	98
10) Aniline	3.481	93	1302894	73.89	ppb	73
11) bis(2-Chloroethyl)ether	3.529	93	938653	80.71	ppb	99
12) 2-Chlorophenol	3.599	128	1066421	80.16	ppb	100
13) Decane	3.626	43	1175066	83.00	ppb	98
14) 1,3-Dichlorobenzene	3.738	146	1105609	78.48	ppb	100
15) 1,4-Dichlorobenzene	3.807	146	1115717	78.32	ppb	99
16) Benzyl alcohol	3.930	108	676756	81.40	ppb	97
17) 1,2-Dichlorobenzene	3.962	146	1046831	78.50	ppb	99
18) Acetophenone	4.192	105	1475774	82.92	ppb	99
19) 2-Methylphenol	4.042	108	847285	77.86	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.058	121	292767	79.07	ppb	96
21) 3&4-Methylphenol	4.208	108	944415	79.36	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.192	70	656684	79.08	ppb	96
23) Hexachloroethane	4.304	201	362929	79.37	ppb	96
26) Nitrobenzene	4.373	77	1083251	80.31	ppb	96
27) Quinoline	5.554	129	2380035	87.25	ppb	100
28) Isophorone	4.630	82	1829812	80.47	ppb	99
29) 2-Nitrophenol	4.715	139	557748	82.12	ppb	87
30) 2,4-Dimethylphenol	4.774	107	977923	83.76	ppb	97
31) Benzoic Acid	4.956	105	823849m	113.78	ppb	
32) bis(2-Chloroethoxy)met...	4.870	93	1090504	81.05	ppb	99
33) 2,4-Dichlorophenol	4.988	162	817376	82.10	ppb	99
34) 2,6-Dichlorophenol	5.244	162	759798	79.93	ppb	100
35) 1,3,5-Trichlorobenzene	4.726	180	1044436	84.23	ppb	97
36) 1,2,4-Trichlorobenzene	5.073	180	893545	78.73	ppb	99
37) 1,2,3-Trichlorobenzene	5.330	180	1001794	84.13	ppb	99
38) Naphthalene	5.159	128	2913798	78.92	ppb	100
39) 4-Chloroaniline	5.234	127	1127462	74.92	ppb	98
40) 2,3-Dichloroaniline	6.302	161	1066261	84.46	ppb	99
41) Caprolactam	5.650	55	604099m	89.04	ppb	
42) Hexachlorobutadiene	5.314	225	467455	77.86	ppb	99
43) 4-Chloro-3-methylphenol	5.827	107	892444	83.10	ppb	100
44) 2-Methylnaphthalene	5.960	141	1627653	78.68	ppb	100
45) 1-Methylnaphthalene	6.078	141	1831100	83.69	ppb	100
46) Dimethylnaphthalene	6.703	156	1890992	84.27	ppb	100
48) Hexachlorocyclopentadiene	6.158	237	1116869	166.01	ppb	99
49) 2,4,6-Trichlorophenol	6.307	196	552138	78.73	ppb	99
50) 2,4,5-Trichlorophenol	6.355	196	626287	81.78	ppb	99
52) 2-Chloronaphthalene	6.532	162	1737819	76.96	ppb	98
53) Biphenyl	6.521	154	2505730	81.64	ppb	100
54) 2-Nitroaniline	6.676	65	581502	82.19	ppb	96
55) Dimethylphthalate	6.906	163	1957737	79.33	ppb	99
56) Acenaphthylene	7.023	152	2860070	77.59	ppb	100
57) 2,6-Dinitrotoluene	6.970	165	475699	81.74	ppb	93
58) 3-Nitroaniline	7.173	138	582914	81.85	ppb	97
59) Acenaphthene	7.237	153	1731495	77.99	ppb	100
60) 2,4-Dinitrophenol	7.296	184	623898	190.56	ppb	98
61) 4-Nitrophenol	7.413	109	269821	85.24	ppb	88
62) Dibenzofuran	7.445	168	2332340	76.75	ppb	99
63) 2,4-Dinitrotoluene	7.451	165	613668	79.76	ppb	77
64) 2,3,4,6-Tetrachlorophenol	7.606	232	507614	82.04	ppb	98
65) Diethylphthalate	7.755	149	1961897	79.83	ppb	100
66) Fluorene	7.857	166	1887727	76.80	ppb	98
67) 4-Chlorophenyl-phenyle...	7.867	204	867479	76.73	ppb	97
68) 4-Nitroaniline	7.921	138	585784	80.58	ppb	99
70) 4,6-Dinitro-2-methylph...	7.942	198	407265	89.33	ppb	99
71) n-Nitrosodiphenylamine	8.017	169	1358889	79.07	ppb	100
72) 1,2-Diphenylhydrazine	8.060	77	2101390	78.58	ppb	98
74) 4-Bromophenyl-phenylether	8.455	248	537393	78.99	ppb	95
75) Hexachlorobenzene	8.524	284	632878	77.42	ppb	97
76) Pentachlorophenol	8.781	266	783315	165.53	ppb	99
77) Phenanthrene	9.032	178	2891585	77.21	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration

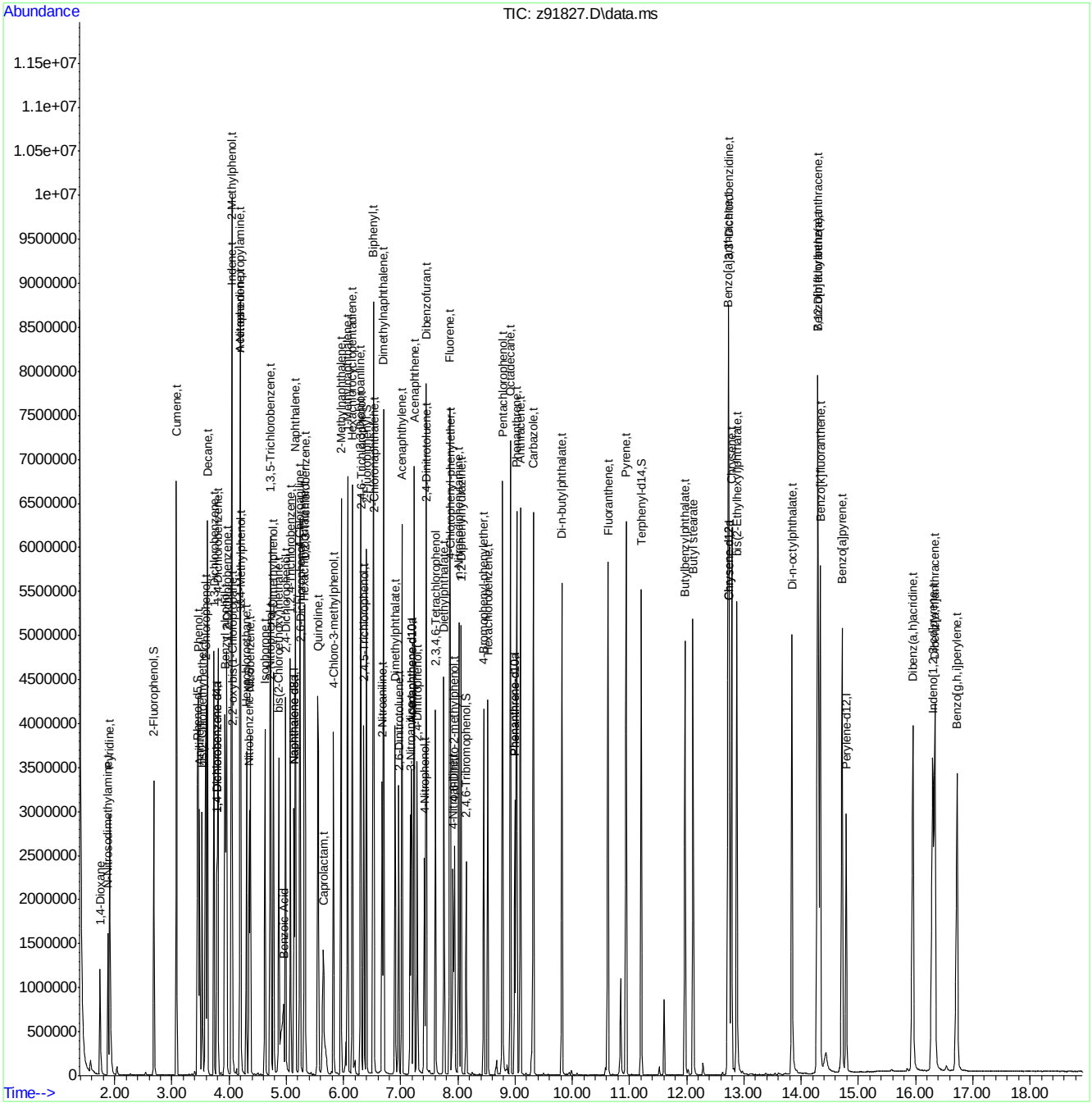
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.096	178	2927804	77.01	ppb	99
79) Carbazole	9.320	167	3133884	82.62	ppb	99
80) Di-n-butylphthalate	9.817	149	3342162	81.14	ppb	100
81) Fluoranthene	10.629	202	3043655	78.27	ppb	97
82) Octadecane	8.920	57	1473317	80.65	ppb	99
84) Pyrene	10.944	202	3218415	79.48	ppb	98
85) Butyl stearate	12.109	56	964185	80.93	ppb	97
87) Butylbenzylphthalate	11.970	149	1508663	84.87	ppb	99
88) Benzo[a]anthracene	12.729	228	2925774	79.97	ppb	99
89) 3,3'-Dichlorobenzidine	12.734	252	1051700	80.30	ppb	98
90) Chrysene	12.787	228	2839151	79.56	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.878	149	2082752	84.35	ppb	99
93) Di-n-octylphthalate	13.840	149	3551069	88.60	ppb	100
94) Benzo[b]fluoranthene	14.294	252	3240358	85.16	ppb	98
95) Benzo[k]fluoranthene	14.337	252	2780015m	77.08	ppb	
96) Benzo[a]pyrene	14.721	252	2720969	82.09	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.303	276	2850176	83.66	ppb	98
98) Dibenz(a,h)acridine	15.955	279	2802293	89.06	ppb	100
99) Dibenz[a,h]anthracene	16.340	278	2845978	83.20	ppb	100
100) 7,12-Dimethylbenz(a)an...	14.294	256	1576906	88.36	ppb	100
101) Benzo[g,h,i]perylene	16.730	276	2734536	82.09	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration



Manual Integration Approval Summary

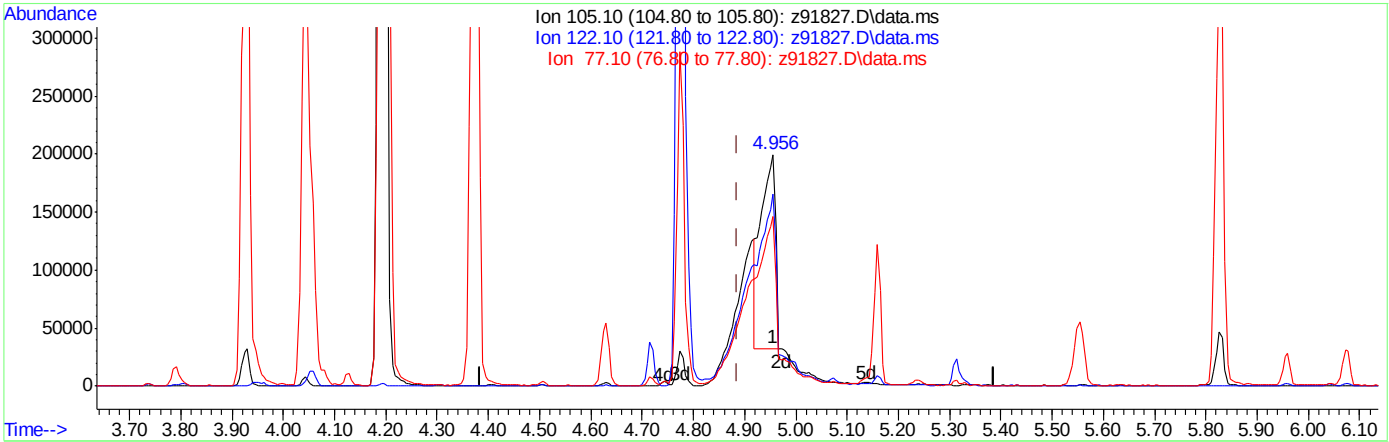
Sample Number: EZ4569-IC4569
Lab FileID: Z91827.D
Injection Time: 05/24/14 11:21
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

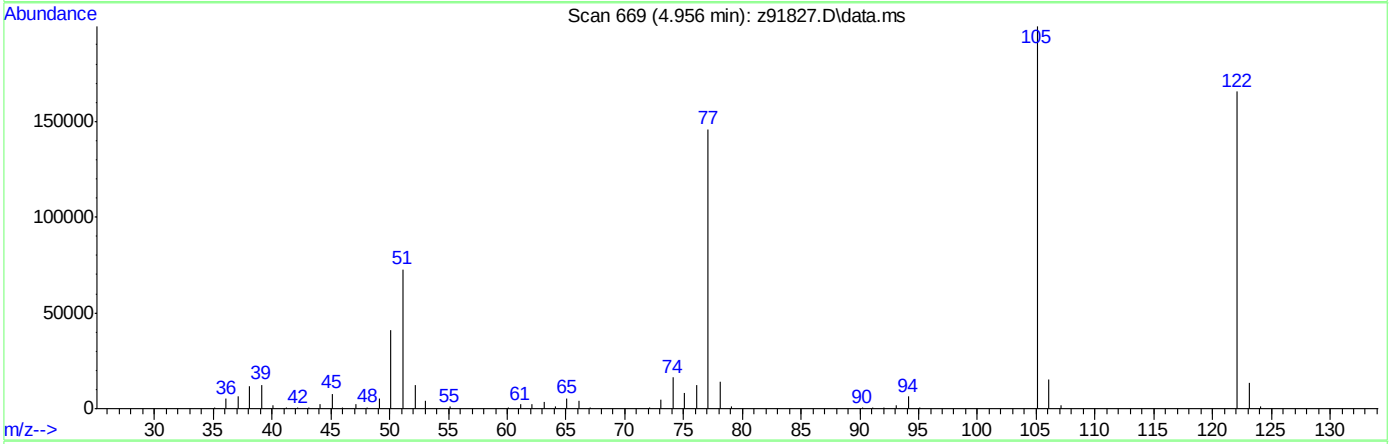
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.96	Poor instrument integration
Caprolactam	105-60-2		5.65	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		14.34	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(31) Benzoic Acid

4.956min (+0.069) 45.31ppb

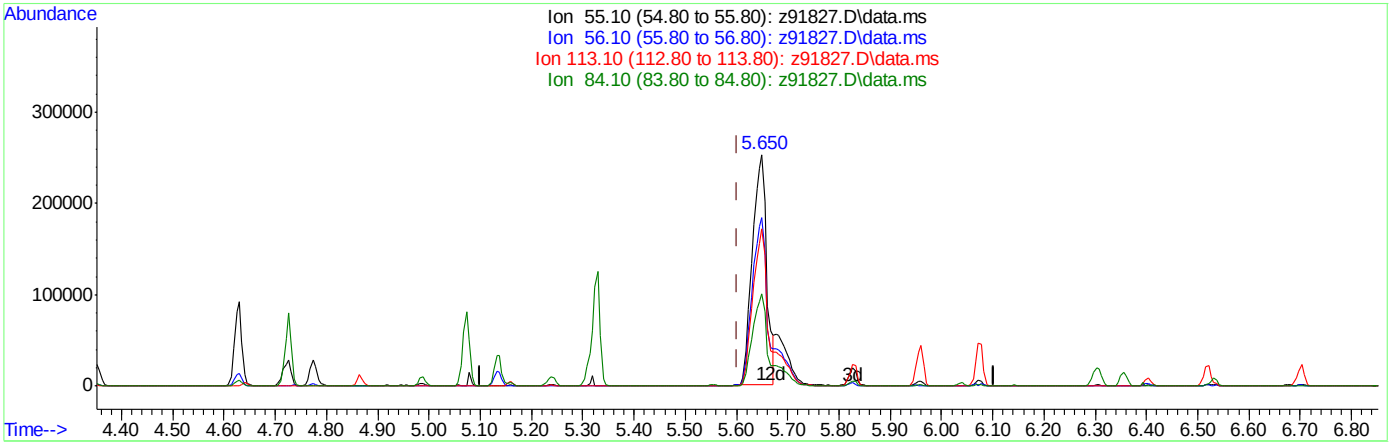
response 328069

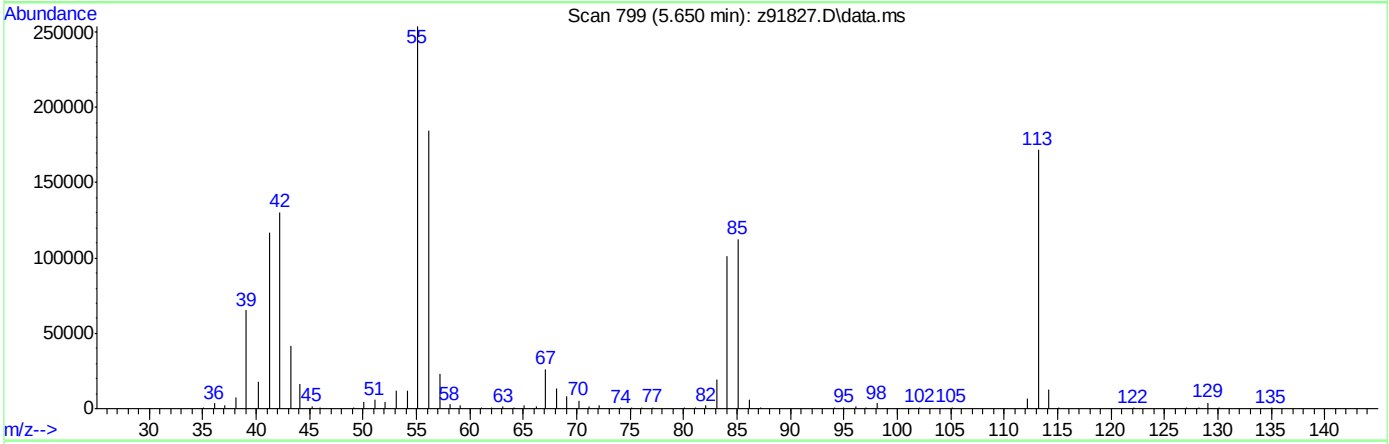
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	97.60
77.10	33.90	162.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(41) Caprolactam (t)

5.650min (+0.048) 72.79ppb

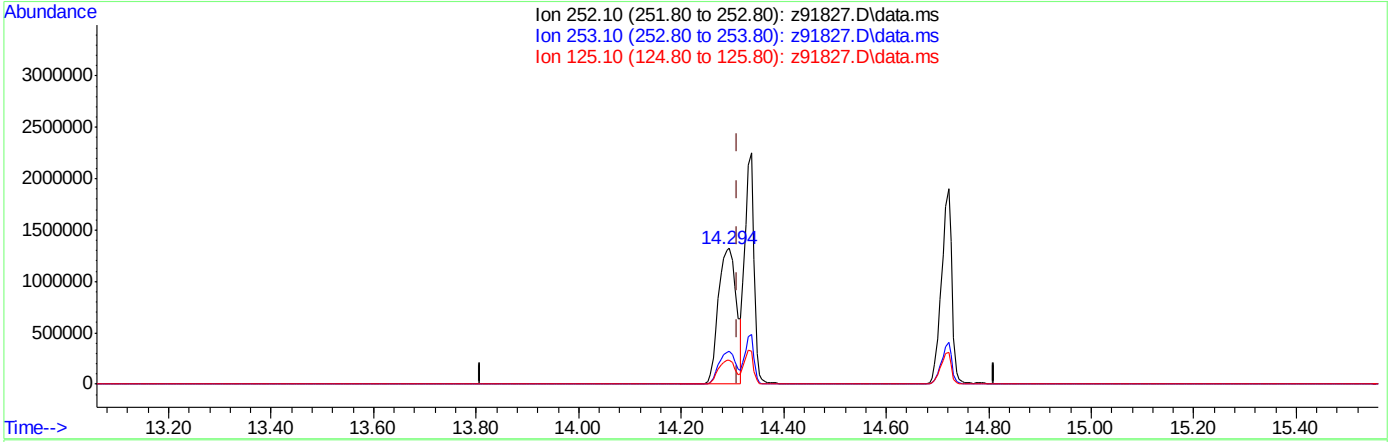
response 493831

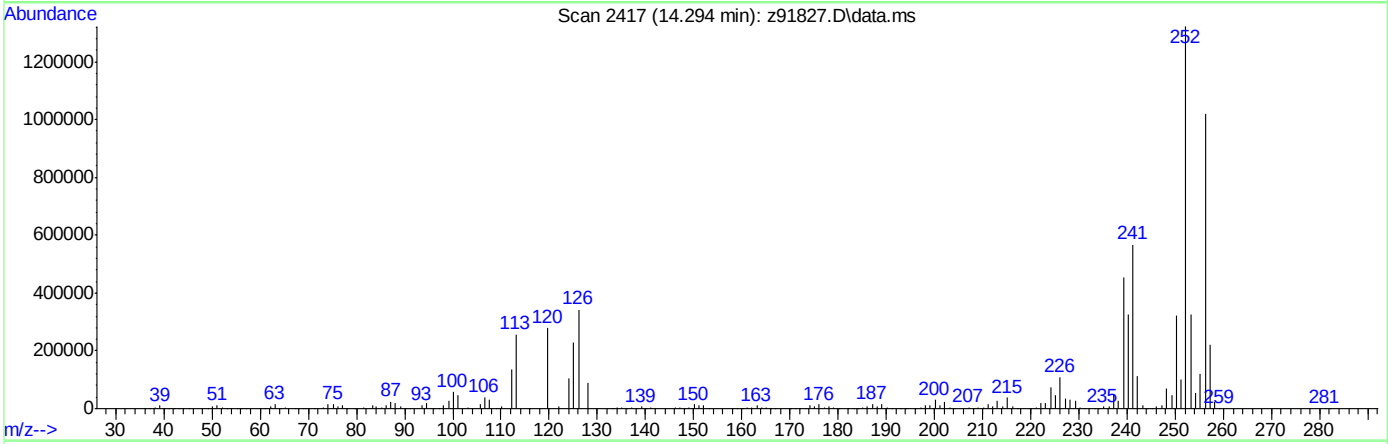
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.80
113.10	67.30	67.87
84.10	40.00	39.71

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:11 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.294min (-0.016) 89.84ppb

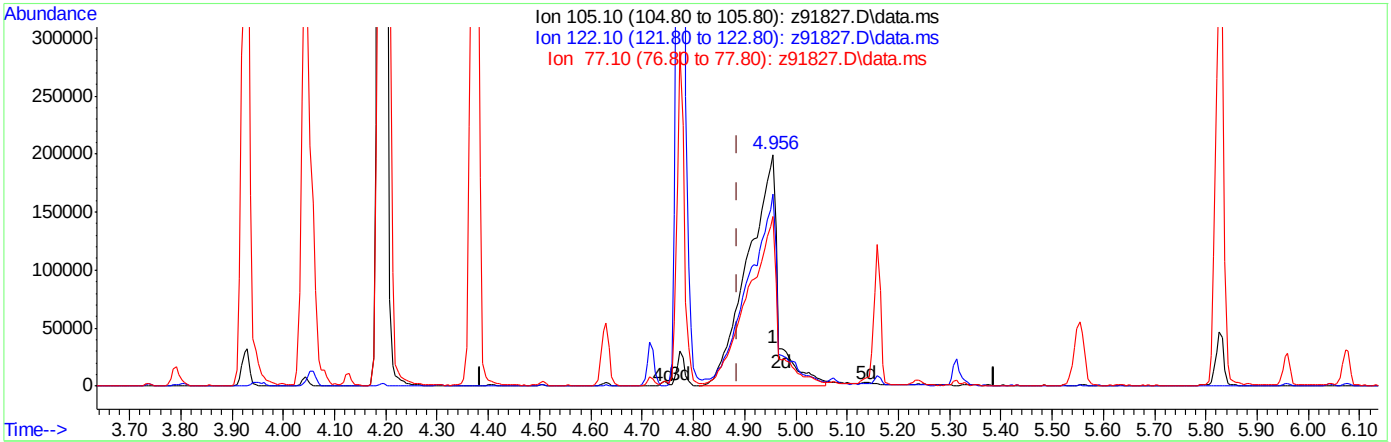
response 3240358

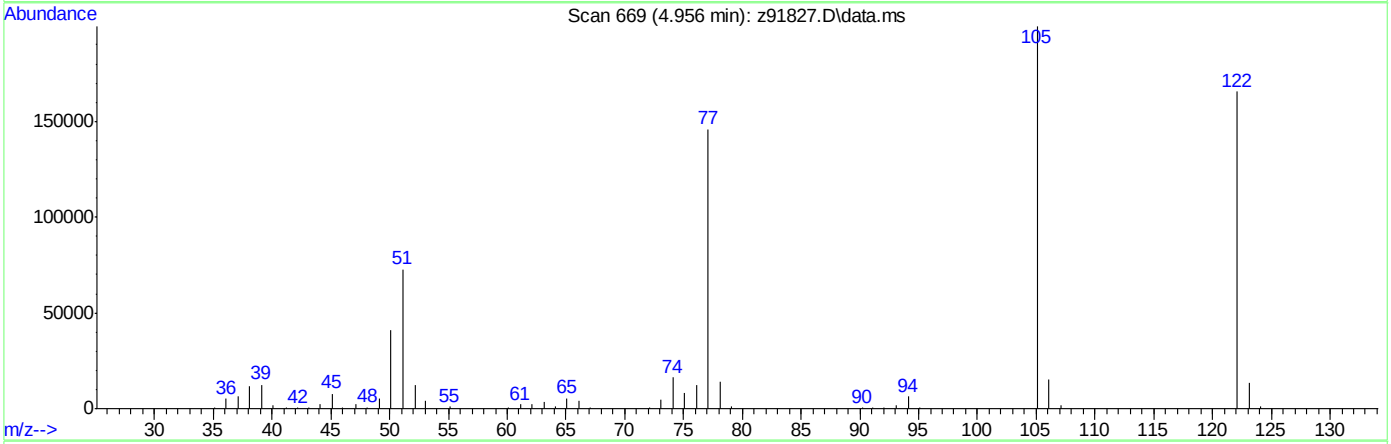
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	25.53
125.10	15.00	17.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(31) Benzoic Acid

4.956min (+0.069) 113.78ppb m

response 823849

Ion	Exp%	Act%
105.10	100	100
122.10	106.20	38.86#
77.10	33.90	64.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
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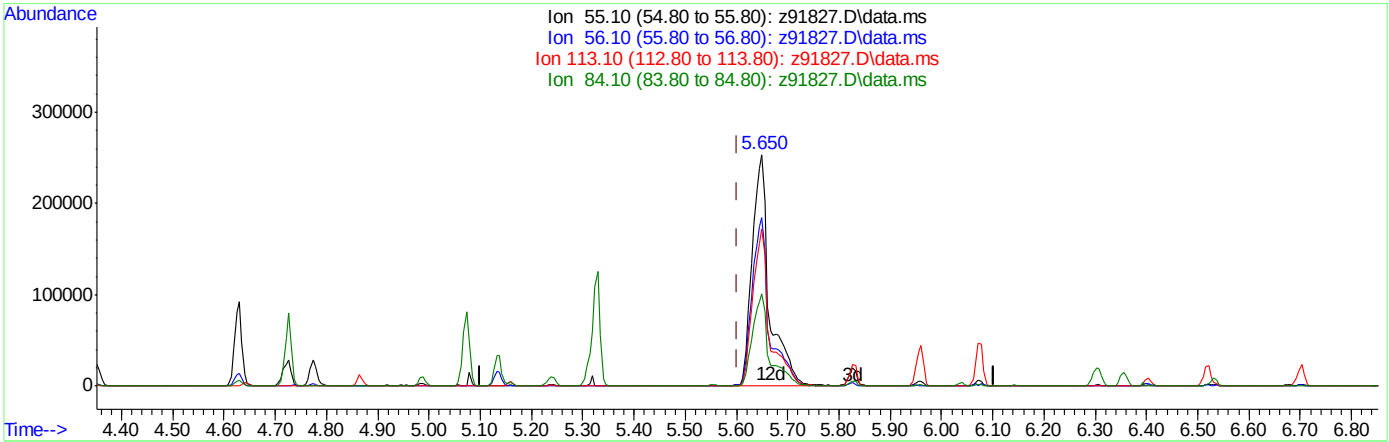
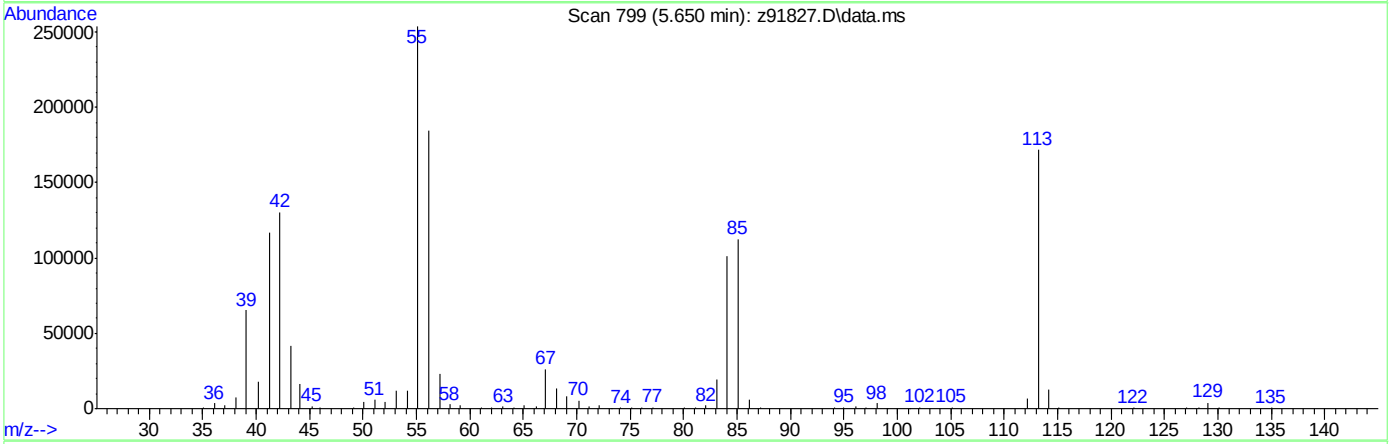
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(41) Caprolactam (t)

5.650min (+0.048) 89.04ppb m

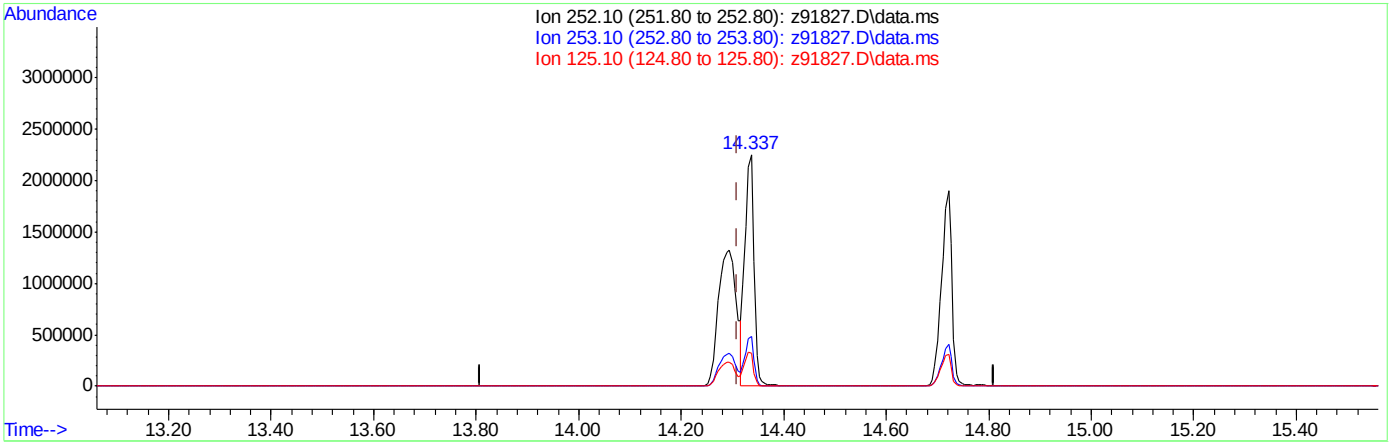
response 604099

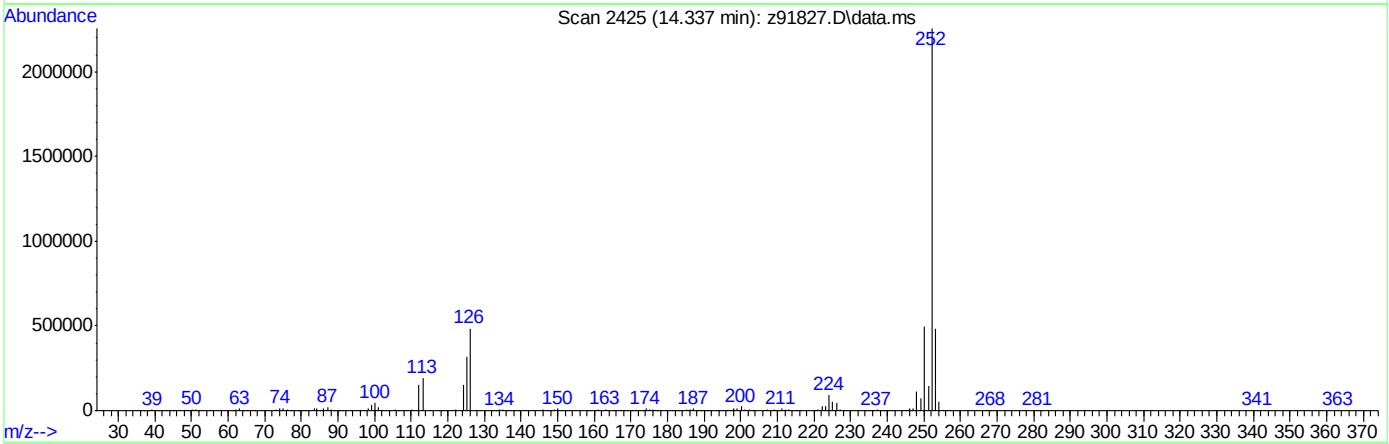
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.83
113.10	67.30	67.71
84.10	40.00	39.82

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.337min (+0.027) 77.08ppb m

response 2780015

Ion	Exp%	Act%
252.10	100	100
253.10	21.20	21.36
125.10	15.00	14.00
0.00	0.00	0.00

Z91827.D edits: Benzo[k]fluoranthene

9.6.86.7
6

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	375632	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1490219	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	818513	40.00	ppb		0.00
69) Phenanthrene-d10	8.995	188	1391825	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1391683	40.00	ppb		0.00
92) Perylene-d12	14.786	264	1272033	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	375632	40.00	ppb		0.00
104) Phenanthrene-d10a	8.995	188	1391825	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1391683	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	818513	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1490219	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	25915	2.02	ppb		0.00
Spiked Amount 50.000			Recovery =	4.04%			
8) Phenol-d5	3.439	99	33040	2.04	ppb		0.00
Spiked Amount 50.000			Recovery =	4.08%			
25) Nitrobenzene-d5	4.347	82	26932	2.05	ppb		0.00
Spiked Amount 50.000			Recovery =	4.10%			
51) 2-Fluorobiphenyl	6.398	172	54928	2.12	ppb		0.00
Spiked Amount 50.000			Recovery =	4.24%			
73) 2,4,6-Tribromophenol	8.140	330	5874	1.73	ppb		0.00
Spiked Amount 50.000			Recovery =	3.46%			
86) Terphenyl-d14	11.201	244	55462	1.98	ppb		0.00
Spiked Amount 50.000			Recovery =	3.96%			
106) 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	1.750	88	13746	2.14	ppb		99
3) Pyridine	1.921	79	35736	2.14	ppb		99
4) N-Nitrosodimethylamine	1.889	74	18534	2.06	ppb		97
6) Indene	4.042	116	58444	2.30	ppb		99
7) Cumene	3.081	105	79073	2.20	ppb		99
9) Phenol	3.449	94	38015	2.10	ppb		99
10) Aniline	3.481	93	45149	2.29	ppb		93
11) bis(2-Chloroethyl)ether	3.524	93	26416	2.08	ppb		100
12) 2-Chlorophenol	3.594	128	29340	2.03	ppb		99
13) Decane	3.620	43	39839	2.32	ppb		90
14) 1,3-Dichlorobenzene	3.732	146	32933	2.11	ppb		98
15) 1,4-Dichlorobenzene	3.802	146	34119	2.14	ppb		99
16) Benzyl alcohol	3.919	108	18180	2.09	ppb		94
17) 1,2-Dichlorobenzene	3.957	146	31722	2.12	ppb		98
18) Acetophenone	4.187	105	47342	2.28	ppb		97
19) 2-Methylphenol	4.037	108	25623	2.10	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.053	121	9270	2.21	ppb	#	79
21) 3&4-Methylphenol	4.192	108	26637	2.04	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.181	70	20140	2.20	ppb		87
23)	Hexachloroethane	4.304	201	10356	2.10	ppb		87
26)	Nitrobenzene	4.368	77	29884	2.06	ppb		98
27)	Quinoline	5.533	129	64399	2.16	ppb		100
28)	Isophorone	4.614	82	48372	2.02	ppb		99
29)	2-Nitrophenol	4.710	139	12877	1.89	ppb		84
30)	2,4-Dimethylphenol	4.769	107	17077	1.51	ppb		99
32)	bis(2-Chloroethoxy)met...	4.865	93	30587	2.10	ppb		94
33)	2,4-Dichlorophenol	4.983	162	20501	1.97	ppb		96
34)	2,6-Dichlorophenol	5.234	162	21534	2.11	ppb		98
35)	1,3,5-Trichlorobenzene	4.721	180	32997	2.28	ppb		99
36)	1,2,4-Trichlorobenzene	5.068	180	25911	2.09	ppb		95
37)	1,2,3-Trichlorobenzene	5.319	180	30751	2.24	ppb		96
38)	Naphthalene	5.153	128	89679	2.16	ppb		98
39)	4-Chloroaniline	5.228	127	35718	2.18	ppb		100
40)	2,3-Dichloroaniline	6.297	161	30980	2.18	ppb		96
41)	Caprolactam	5.586	55	14064	2.03	ppb		97
42)	Hexachlorobutadiene	5.308	225	14315	2.14	ppb		98
43)	4-Chloro-3-methylphenol	5.811	107	20804	1.88	ppb		95
44)	2-Methylnaphthalene	5.955	141	46938	2.08	ppb		99
45)	1-Methylnaphthalene	6.067	141	55440	2.23	ppb		98
46)	Dimethylnaphthalene	6.692	156	53924	2.14	ppb		99
48)	Hexachlorocyclopentadiene	6.152	237	23971	3.70	ppb		97
49)	2,4,6-Trichlorophenol	6.302	196	14062	1.98	ppb		95
50)	2,4,5-Trichlorophenol	6.345	196	13665	1.81	ppb		97
52)	2-Chloronaphthalene	6.526	162	51744	2.13	ppb		96
53)	Biphenyl	6.510	154	76496	2.21	ppb		100
54)	2-Nitroaniline	6.660	65	12046	1.80	ppb		96
55)	Dimethylphthalate	6.890	163	52559	2.02	ppb		97
56)	Acenaphthylene	7.018	152	78468	2.05	ppb		100
57)	2,6-Dinitrotoluene	6.954	165	9213	1.73	ppb		97
58)	3-Nitroaniline	7.157	138	12260	1.82	ppb		95
59)	Acenaphthene	7.226	153	50958	2.11	ppb		99
60)	2,4-Dinitrophenol	7.280	184	3860	12.00	ppb		76
61)	4-Nitrophenol	7.403	109	4044	1.33	ppb	#	77
62)	Dibenzofuran	7.435	168	70887	2.11	ppb		86
63)	2,4-Dinitrotoluene	7.435	165	12878	1.77	ppb	#	40
64)	2,3,4,6-Tetrachlorophenol	7.600	232	10421	1.71	ppb		98
65)	Diethylphthalate	7.744	149	50814	2.01	ppb		97
66)	Fluorene	7.846	166	54207	2.06	ppb		98
67)	4-Chlorophenyl-phenyle...	7.862	204	25921	2.11	ppb		99
68)	4-Nitroaniline	7.889	138	11525	1.71	ppb		97
70)	4,6-Dinitro-2-methylph...	7.926	198	3744	0.84	ppb		92
71)	n-Nitrosodiphenylamine	8.006	169	36118	2.05	ppb		98
72)	1,2-Diphenylhydrazine	8.049	77	56231	2.05	ppb		96
74)	4-Bromophenyl-phenylether	8.450	248	14146	1.98	ppb		99
75)	Hexachlorobenzene	8.514	284	17880	2.10	ppb		94
76)	Pentachlorophenol	8.775	266	11784	2.90	ppb		99
77)	Phenanthrene	9.021	178	84515	2.09	ppb		98
78)	Anthracene	9.085	178	80334	2.05	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	9.310	167	85862	2.11	ppb	99
80) Di-n-butylphthalate	9.812	149	72038	1.80	ppb	99
81) Fluoranthene	10.613	202	76648	1.94	ppb	99
82) Octadecane	8.914	57	38940	2.04	ppb	95
84) Pyrene	10.928	202	83927	1.98	ppb	92
85) Butyl stearate	12.104	56	16402	1.43	ppb	96
87) Butylbenzylphthalate	11.965	149	26187	1.53	ppb	98
88) Benzo[a]anthracene	12.718	228	75959	1.98	ppb	99
89) 3,3'-Dichlorobenzidine	12.718	252	22335	1.78	ppb	93
90) Chrysene	12.772	228	76414	2.01	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	32556	1.40	ppb	94
93) Di-n-octylphthalate	13.829	149	46651	2.11	ppb	98
94) Benzo[b]fluoranthene	14.267	252	68280	1.80	ppb	99
95) Benzo[k]fluoranthene	14.305	252	76642	1.96	ppb	99
96) Benzo[a]pyrene	14.700	252	69764	2.07	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.265	276	55985m	1.72	ppb	
98) Dibenz(a,h)acridine	15.929	279	57124	1.81	ppb	96
99) Dibenz[a,h]anthracene	16.308	278	60113	1.75	ppb	92
100) 7,12-Dimethylbenz(a)an...	14.267	256	11143	3.18	ppb	97
101) Benzo[g,h,i]perylene	16.687	276	63143	1.87	ppb	99

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

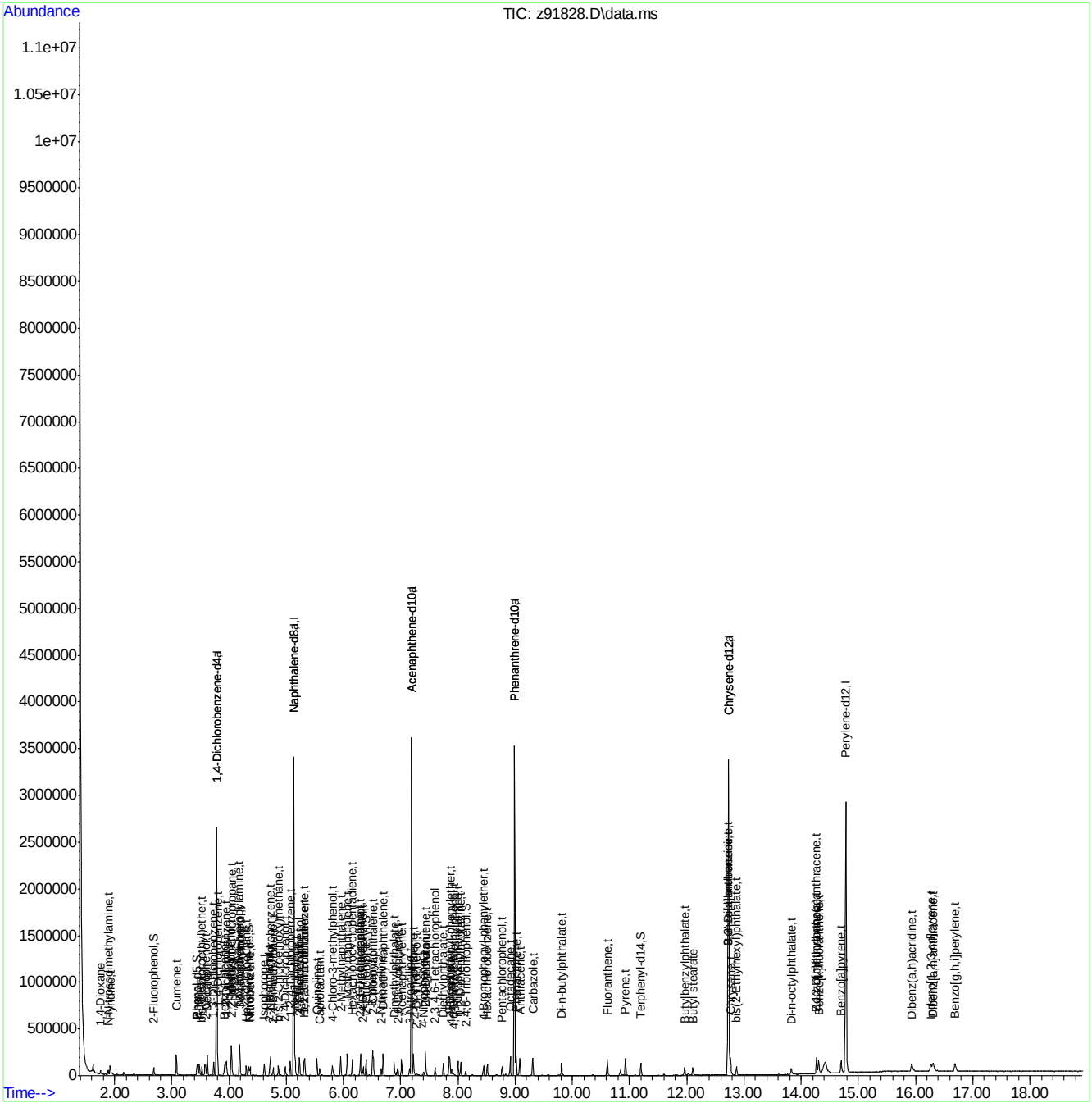
9.6.87

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Manual Integration Approval Summary

Sample Number: EZ4569-IC4569
Lab FileID: Z91828.D
Injection Time: 05/24/14 11:46

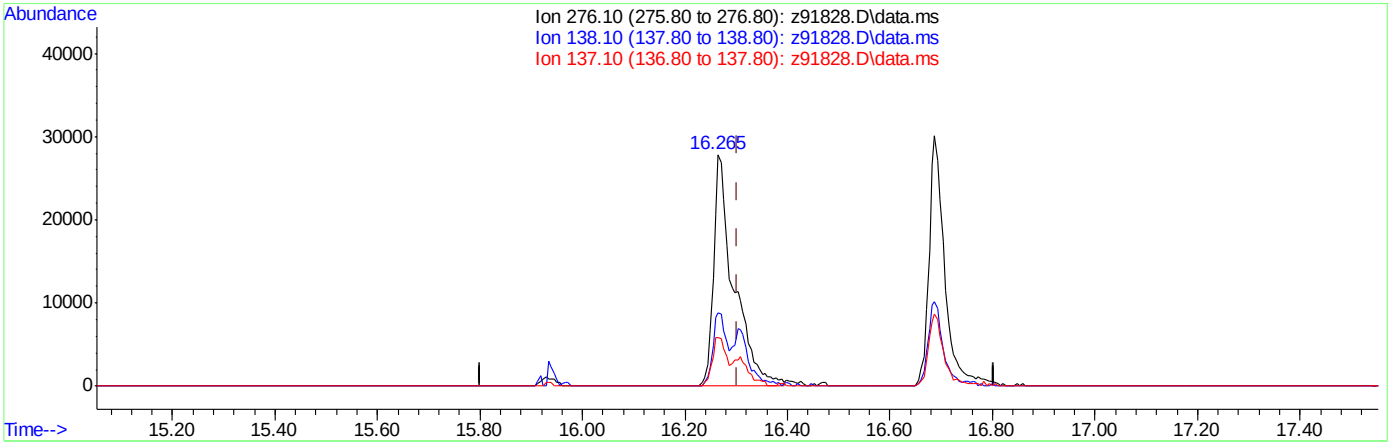
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

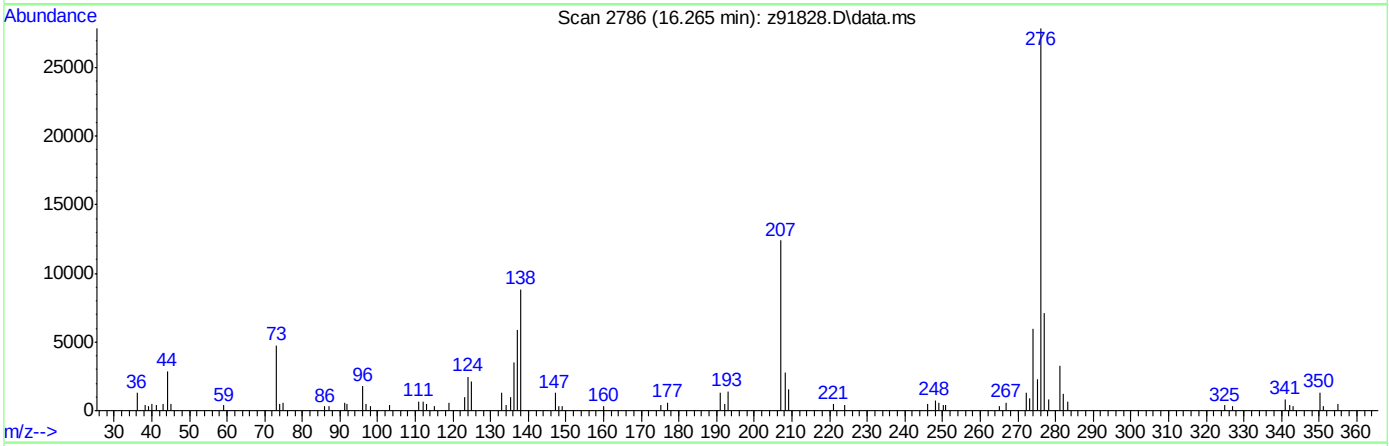
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.27	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 12:59:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:59:04 2014
Response via : Initial Calibration





TIC: z91828.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.265min (-0.037) 2.12ppb

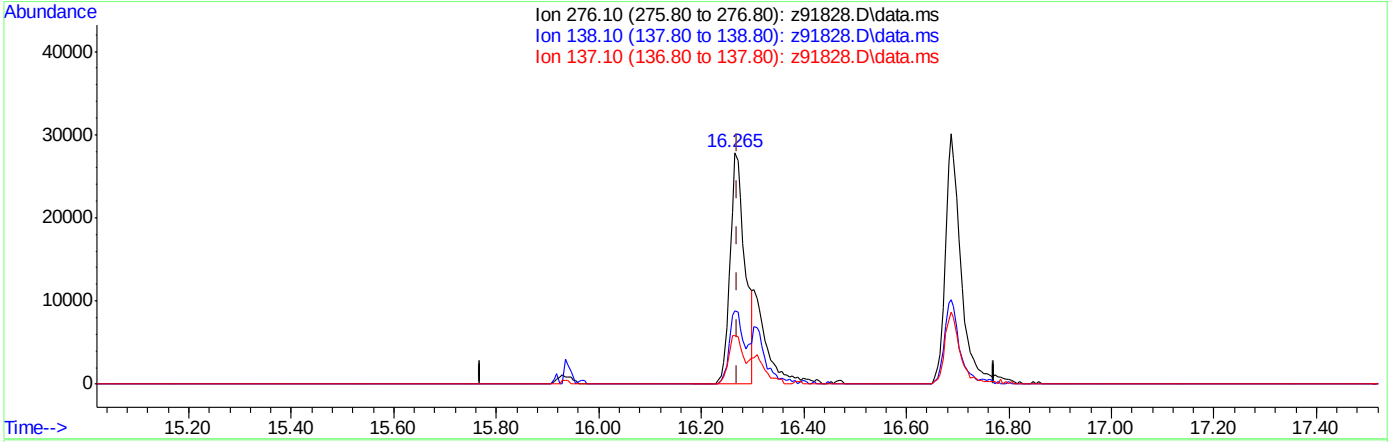
response 76557

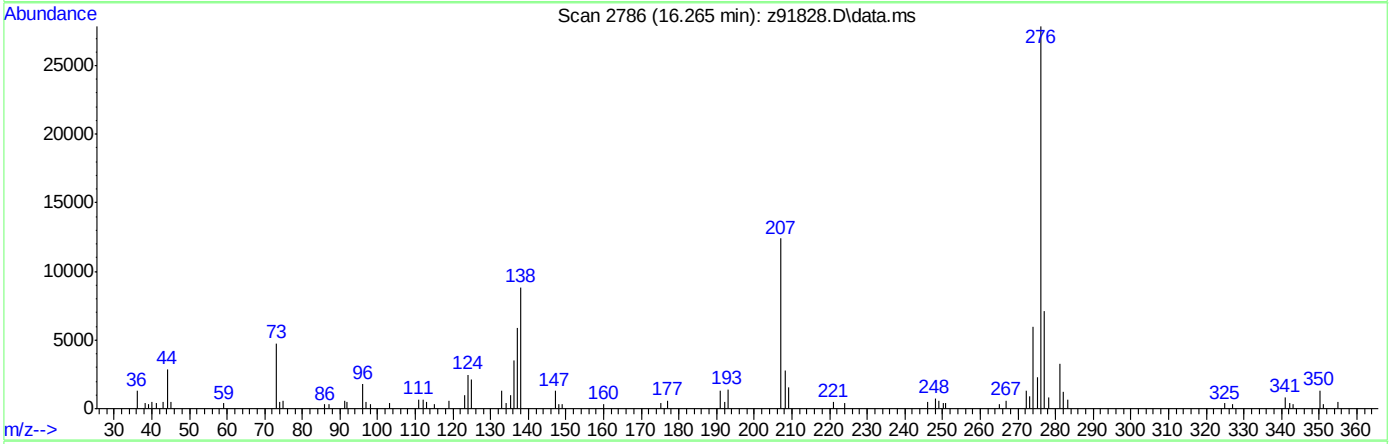
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.36
137.10	19.30	20.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91828.D
Acq On : 24 May 2014 11:46 am
Operator : ashleyv
Sample : IC4569-2
Misc : op73791,ez4569
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 24 15:00:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 14:59:12 2014
Response via : Initial Calibration





TIC: z91828.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.265min (-0.005) 1.72ppb m

response 55985

Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.67
137.10	19.30	21.09
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	290513	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1151541	40.00	ppb		0.00
47) Acenaphthene-d10	7.194	164	634154	40.00	ppb		0.00
69) Phenanthrene-d10	8.994	188	1062654	40.00	ppb		0.00
83) Chrysene-d12	12.739	240	1051589	40.00	ppb		0.00
92) Perylene-d12	14.785	264	988636	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	290513	40.00	ppb		0.00
104) Phenanthrene-d10a	8.994	188	1062654	40.00	ppb		0.00
107) Chrysene-d12a	12.739	240	1051589	40.00	ppb		0.00
110) Acenaphthene-d10a	7.194	164	634154	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1151541	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	505902	51.27	ppb		0.00
Spiked Amount 50.000			Recovery =	102.54%			
8) Phenol-d5	3.438	99	630587	51.17	ppb		0.00
Spiked Amount 50.000			Recovery =	102.34%			
25) Nitrobenzene-d5	4.347	82	508931	50.24	ppb		0.00
Spiked Amount 50.000			Recovery =	100.48%			
51) 2-Fluorobiphenyl	6.398	172	963888	49.95	ppb		0.00
Spiked Amount 50.000			Recovery =	99.90%			
73) 2,4,6-Tribromophenol	8.145	330	148308	55.27	ppb		0.00
Spiked Amount 50.000			Recovery =	110.54%			
86) Terphenyl-d14	11.201	244	1096791	51.93	ppb		0.00
Spiked Amount 50.000			Recovery =	103.86%			
106) 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	1.745	88	220978	45.91	ppb		99
3) Pyridine	1.916	79	584890	45.66	ppb		100
4) N-Nitrosodimethylamine	1.884	74	341312	49.46	ppb		96
6) Indene	4.042	116	873715	46.95	ppb		100
7) Cumene	3.080	105	1244878	46.34	ppb		99
9) Phenol	3.454	94	683256	49.73	ppb		97
10) Aniline	3.481	93	722307	49.03	ppb		91
11) bis(2-Chloroethyl)ether	3.524	93	471858	49.19	ppb		99
12) 2-Chlorophenol	3.593	128	547134	50.34	ppb		97
13) Decane	3.625	43	591941	47.35	ppb		95
14) 1,3-Dichlorobenzene	3.738	146	592516	50.95	ppb		98
15) 1,4-Dichlorobenzene	3.802	146	605018	51.13	ppb		99
16) Benzyl alcohol	3.925	108	347244	51.04	ppb		95
17) 1,2-Dichlorobenzene	3.957	146	562859	50.88	ppb		99
18) Acetophenone	4.186	105	708123	45.84	ppb		99
19) 2-Methylphenol	4.037	108	460961	51.30	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.053	121	156295	50.07	ppb	#	87
21) 3&4-Methylphenol	4.197	108	496183	50.96	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.186	70	345387	49.78	ppb		94
23) Hexachloroethane	4.304	201	188057	50.11	ppb		92
26) Nitrobenzene	4.368	77	554840	50.51	ppb		96
27) Quinoline	5.543	129	1049817	45.50	ppb		98
28) Isophorone	4.619	82	951673	51.90	ppb		99
29) 2-Nitrophenol	4.710	139	281183	52.53	ppb		82
30) 2,4-Dimethylphenol	4.769	107	476966	54.45	ppb		99
31) Benzoic Acid	4.913	105	327754	49.63	ppb	#	58
32) bis(2-Chloroethoxy)met...	4.865	93	551063	49.83	ppb		99
33) 2,4-Dichlorophenol	4.982	162	414357	51.78	ppb		99
34) 2,6-Dichlorophenol	5.239	162	390341	50.18	ppb		100
35) 1,3,5-Trichlorobenzene	4.726	180	494836	46.01	ppb		99
36) 1,2,4-Trichlorobenzene	5.073	180	469638	50.65	ppb		98
37) 1,2,3-Trichlorobenzene	5.324	180	462864	45.23	ppb		99
38) Naphthalene	5.159	128	1523243	49.61	ppb		100
39) 4-Chloroaniline	5.228	127	624595	50.85	ppb		99
40) 2,3-Dichloroaniline	6.297	161	489286	45.71	ppb		99
41) Caprolactam	5.629	55	258053	46.24	ppb		99
42) Hexachlorobutadiene	5.314	225	248270	50.15	ppb		98
43) 4-Chloro-3-methylphenol	5.816	107	447108	52.40	ppb		99
44) 2-Methylnaphthalene	5.955	141	847449	50.23	ppb		99
45) 1-Methylnaphthalene	6.072	141	854786	45.77	ppb		99
46) Dimethylnaphthalene	6.697	156	887418	46.94	ppb		100
48) Hexachlorocyclopentadiene	6.152	237	540466	104.75	ppb		99
49) 2,4,6-Trichlorophenol	6.302	196	282975	51.86	ppb		98
50) 2,4,5-Trichlorophenol	6.350	196	304317	52.00	ppb		98
52) 2-Chloronaphthalene	6.526	162	918085	50.73	ppb		100
53) Biphenyl	6.516	154	1187700	46.49	ppb		99
54) 2-Nitroaniline	6.665	65	284766	53.15	ppb		93
55) Dimethylphthalate	6.895	163	984453	50.39	ppb		100
56) Acenaphthylene	7.018	152	1495987	51.55	ppb		100
57) 2,6-Dinitrotoluene	6.959	165	233235	53.82	ppb		99
58) 3-Nitroaniline	7.162	138	289109	53.54	ppb		97
59) Acenaphthene	7.231	153	900263	50.41	ppb		99
60) 2,4-Dinitrophenol	7.285	184	263060	117.90	ppb		94
61) 4-Nitrophenol	7.402	109	126242	49.87	ppb	#	81
62) Dibenzofuran	7.440	168	1243554	50.83	ppb		89
63) 2,4-Dinitrotoluene	7.440	165	314097	54.54	ppb		56
64) 2,3,4,6-Tetrachlorophenol	7.600	232	249810	53.47	ppb		98
65) Diethylphthalate	7.750	149	987794	51.08	ppb		100
66) Fluorene	7.851	166	997191	51.17	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	457129	50.48	ppb		93
68) 4-Nitroaniline	7.905	138	289438	53.66	ppb		98
70) 4,6-Dinitro-2-methylph...	7.931	198	179938	49.34	ppb		99
71) n-Nitrosodiphenylamine	8.011	169	685470	51.41	ppb		99
72) 1,2-Diphenylhydrazine	8.054	77	1085643	52.40	ppb		97
74) 4-Bromophenyl-phenylether	8.449	248	271428	51.58	ppb		92
75) Hexachlorobenzene	8.519	284	320476	50.26	ppb		95
76) Pentachlorophenol	8.775	266	373133	112.16	ppb		99
77) Phenanthrene	9.021	178	1510217	51.29	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration

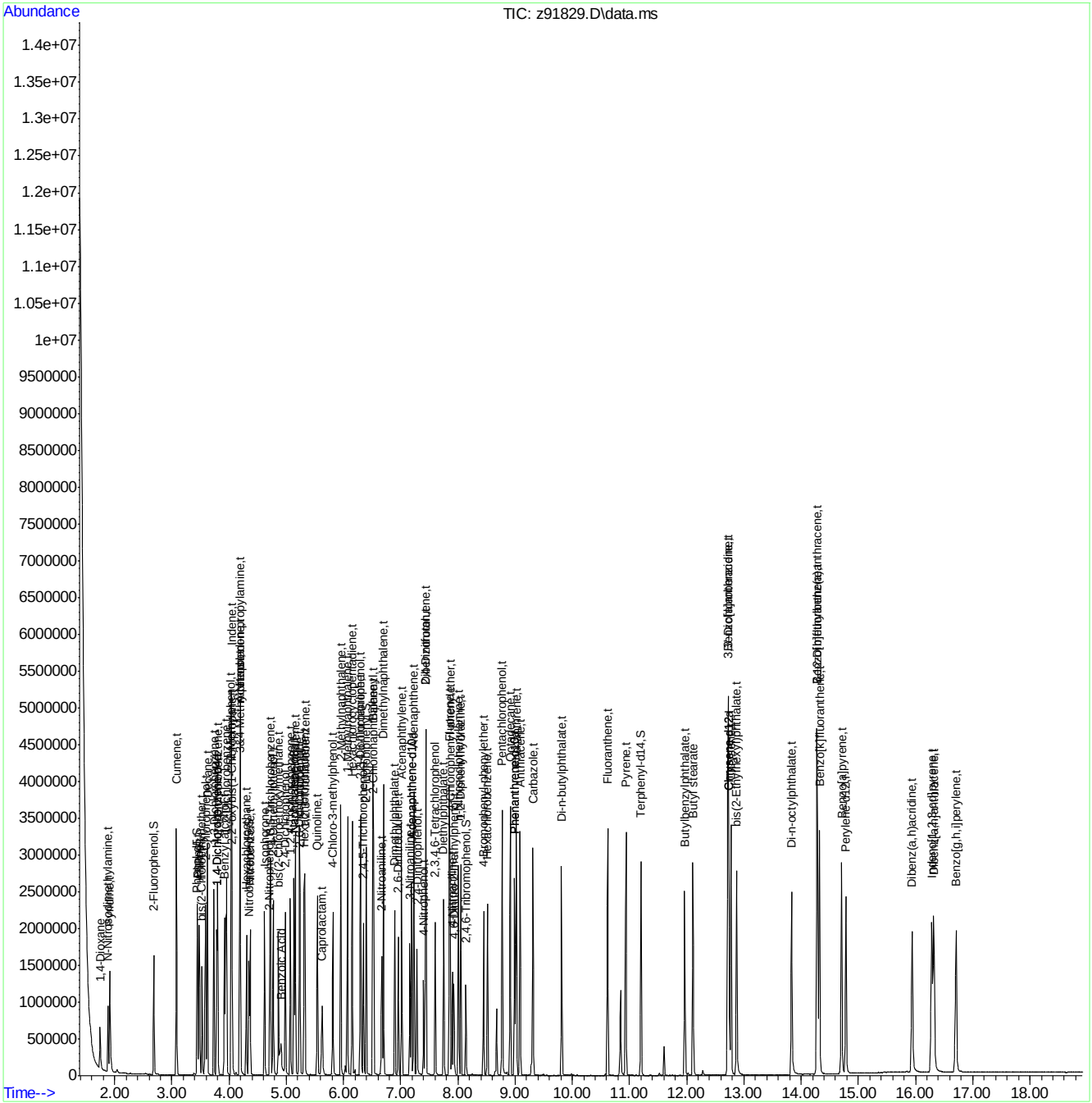
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.091	178	1504872	51.28	ppb	100
79) Carbazole	9.315	167	1418337	46.75	ppb	100
80) Di-n-butylphthalate	9.812	149	1666197	54.14	ppb	99
81) Fluoranthene	10.618	202	1545718	52.20	ppb	100
82) Octadecane	8.914	57	721672	50.48	ppb	96
84) Pyrene	10.939	202	1644181	51.66	ppb	100
85) Butyl stearate	12.109	56	512383	59.42	ppb	99
87) Butylbenzylphthalate	11.965	149	720337	54.56	ppb	98
88) Benzo[a]anthracene	12.723	228	1482094	51.44	ppb	100
89) 3,3'-Dichlorobenzidine	12.729	252	544634	55.20	ppb	99
90) Chrysene	12.777	228	1438023	50.84	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	986428	54.97	ppb	100
93) Di-n-octylphthalate	13.834	149	1653516	55.48	ppb	100
94) Benzo[b]fluoranthene	14.278	252	1537313	50.74	ppb	98
95) Benzo[k]fluoranthene	14.321	252	1526240	52.38	ppb	99
96) Benzo[a]pyrene	14.711	252	1364791	50.30	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.281	276	1367177	51.60	ppb	97
98) Dibenz(a,h)acridine	15.939	279	1222807	48.09	ppb	99
99) Dibenz[a,h]anthracene	16.324	278	1408466	52.28	ppb	99
100) 7,12-Dimethylbenz(a)an...	14.283	256	703212	57.05	ppb	99
101) Benzo[g,h,i]perylene	16.709	276	1342844	50.50	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91829.D
Acq On : 24 May 2014 12:12 pm
Operator : ashleyv
Sample : ICC4569-50
Misc : op73791,ez4569
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:00:41 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:07 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 12:25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	287147	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1122340	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	620563	40.00	ppb		-0.01
69) Phenanthrene-d10	8.989	188	1027959	40.00	ppb		-0.01
83) Chrysene-d12	12.734	240	1029902	40.00	ppb		-0.02
92) Perylene-d12	14.785	264	959991	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	287147	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1027959	40.00	ppb		-0.01
107) Chrysene-d12a	12.734	240	1029902	40.00	ppb		-0.02
110) Acenaphthene-d10a	7.189	164	620563	40.00	ppb		-0.01
112) Naphthalene-d8a	5.132	136	1122340	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.680	112	249451	26.59	ppb		0.00
Spiked Amount 50.000			Recovery = 53.18%				
8) Phenol-d5	3.439	99	309961	26.73	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.46%				
25) Nitrobenzene-d5	4.347	82	249398	26.54	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.08%				
51) 2-Fluorobiphenyl	6.398	172	491366	28.68	ppb		-0.01
Spiked Amount 50.000			Recovery = 57.36%				
73) 2,4,6-Tribromophenol	8.140	330	70436	26.46	ppb		-0.01
Spiked Amount 50.000			Recovery = 52.92%				
86) Terphenyl-d14	11.201	244	533632	26.56	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.12%				
106) 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	1.750	88	111143	24.36	ppb		99
3) Pyridine	1.916	79	289494	23.27	ppb		99
4) N-Nitrosodimethylamine	1.884	74	170512	26.07	ppb		98
6) Indene	4.042	116	448764	28.03	ppb		99
7) Cumene	3.081	105	623847	25.18	ppb		99
9) Phenol	3.449	94	335171	26.14	ppb		89
10) Aniline	3.481	93	392151	31.74	ppb		96
11) bis(2-Chloroethyl)ether	3.524	93	238738	26.69	ppb		99
12) 2-Chlorophenol	3.593	128	274608	26.99	ppb		99
13) Decane	3.620	43	297242	27.98	ppb		93
14) 1,3-Dichlorobenzene	3.738	146	299121	28.65	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	300636	28.28	ppb		99
16) Benzyl alcohol	3.919	108	170179	26.53	ppb		97
17) 1,2-Dichlorobenzene	3.957	146	281559	28.31	ppb		100
18) Acetophenone	4.186	105	361223	26.07	ppb		96
19) 2-Methylphenol	4.037	108	235783	29.94	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.053	121	79123	29.05	ppb	#	86
21) 3&4-Methylphenol	4.192	108	251485	28.36	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.186	70	176963	28.88	ppb		97
23) Hexachloroethane	4.304	201	95737	27.81	ppb		91
26) Nitrobenzene	4.368	77	277994	28.07	ppb		98
27) Quinoline	5.538	129	519954	23.94	ppb		98
28) Isophorone	4.619	82	470435	28.30	ppb		98
29) 2-Nitrophenol	4.710	139	137488	27.03	ppb		86
30) 2,4-Dimethylphenol	4.769	107	229479	25.45	ppb		100
31) Benzoic Acid	4.886	105	88658m	11.46	ppb		
32) bis(2-Chloroethoxy)met...	4.865	93	273328	27.23	ppb		99
33) 2,4-Dichlorophenol	4.982	162	201990	27.16	ppb		96
34) 2,6-Dichlorophenol	5.234	162	197292	28.50	ppb		99
35) 1,3,5-Trichlorobenzene	4.721	180	247056	26.16	ppb		98
36) 1,2,4-Trichlorobenzene	5.068	180	236524	28.75	ppb		98
37) 1,2,3-Trichlorobenzene	5.324	180	235254	25.72	ppb		98
38) Naphthalene	5.153	128	774282	29.14	ppb		99
39) 4-Chloroaniline	5.228	127	327294	31.58	ppb		99
40) 2,3-Dichloroaniline	6.297	161	248640	25.55	ppb		98
41) Caprolactam	5.602	55	123880	22.05	ppb		98
42) Hexachlorobutadiene	5.308	225	127075	29.73	ppb		99
43) 4-Chloro-3-methylphenol	5.810	107	214371	26.26	ppb		99
44) 2-Methylnaphthalene	5.955	141	430900	28.72	ppb		97
45) 1-Methylnaphthalene	6.067	141	433425	25.86	ppb		99
46) Dimethylnaphthalene	6.697	156	445178	25.93	ppb		98
48) Hexachlorocyclopentadiene	6.152	237	258493	50.33	ppb		98
49) 2,4,6-Trichlorophenol	6.302	196	139243	26.91	ppb		100
50) 2,4,5-Trichlorophenol	6.345	196	148806	25.75	ppb		100
52) 2-Chloronaphthalene	6.526	162	467081	29.36	ppb		99
53) Biphenyl	6.510	154	604873	26.51	ppb		99
54) 2-Nitroaniline	6.665	65	136270	25.29	ppb		98
55) Dimethylphthalate	6.895	163	486381	26.51	ppb		99
56) Acenaphthylene	7.018	152	746556	28.06	ppb		99
57) 2,6-Dinitrotoluene	6.954	165	111425	24.99	ppb		97
58) 3-Nitroaniline	7.157	138	136058	24.89	ppb		92
59) Acenaphthene	7.226	153	450718	28.20	ppb		100
60) 2,4-Dinitrophenol	7.280	184	104977	36.00	ppb		93
61) 4-Nitrophenol	7.397	109	57857	22.83	ppb	#	71
62) Dibenzofuran	7.440	168	632735	29.78	ppb		89
63) 2,4-Dinitrotoluene	7.435	165	152345	26.77	ppb		53
64) 2,3,4,6-Tetrachlorophenol	7.600	232	119238	25.32	ppb		99
65) Diethylphthalate	7.750	149	484404	26.51	ppb		99
66) Fluorene	7.846	166	505400	28.99	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	233102	29.16	ppb		98
68) 4-Nitroaniline	7.894	138	138965	24.92	ppb		96
70) 4,6-Dinitro-2-methylph...	7.926	198	76962	20.73	ppb		99
71) n-Nitrosodiphenylamine	8.006	169	338386	28.04	ppb		99
72) 1,2-Diphenylhydrazine	8.049	77	534818	29.00	ppb		94
74) 4-Bromophenyl-phenylether	8.450	248	133129	27.68	ppb		95
75) Hexachlorobenzene	8.519	284	162322	28.55	ppb		99
76) Pentachlorophenol	8.775	266	174088	48.79	ppb		98
77) Phenanthrene	9.021	178	747481	28.87	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration

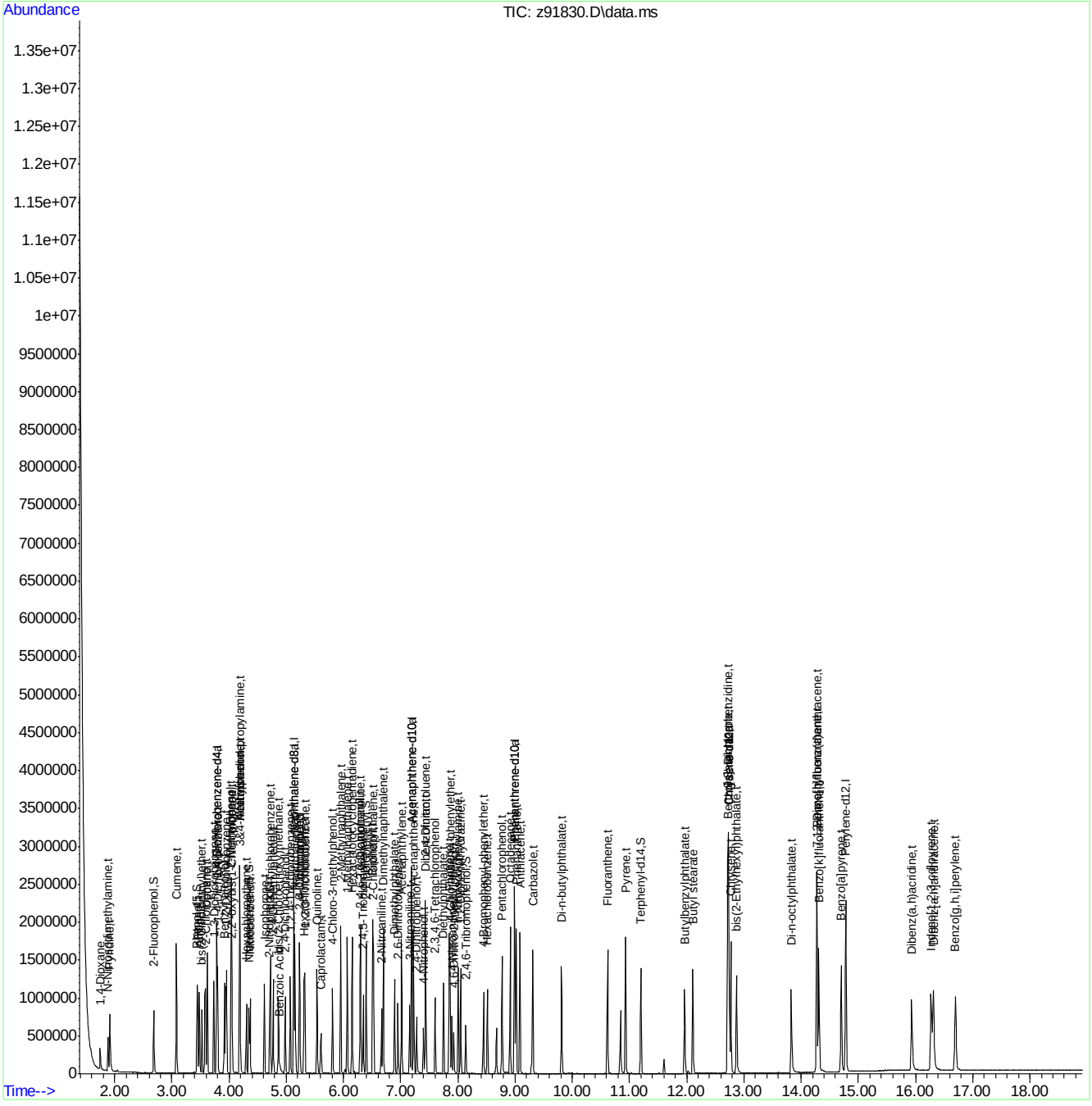
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	763622	29.27	ppb	100
79) Carbazole	9.310	167	708568	25.16	ppb	99
80) Di-n-butylphthalate	9.812	149	790842	26.60	ppb	99
81) Fluoranthene	10.618	202	763405	27.87	ppb	97
82) Octadecane	8.914	57	361723	28.38	ppb	94
84) Pyrene	10.934	202	817401	27.38	ppb	100
85) Butyl stearate	12.104	56	240906	27.48	ppb	95
87) Butylbenzylphthalate	11.965	149	333110	23.56	ppb	99
88) Benzo[a]anthracene	12.718	228	726493	26.45	ppb	100
89) 3,3'-Dichlorobenzidine	12.723	252	263283	27.14	ppb	97
90) Chrysene	12.771	228	716177	27.04	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	460646	23.36	ppb	99
93) Di-n-octylphthalate	13.829	149	726850	21.31	ppb	98
94) Benzo[b]fluoranthene	14.273	252	756435m	25.45	ppb	
95) Benzo[k]fluoranthene	14.310	252	747158	27.70	ppb	100
96) Benzo[a]pyrene	14.705	252	664028	25.85	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.276	276	631927	22.23	ppb	97
98) Dibenz(a,h)acridine	15.934	279	573798	21.53	ppb	99
99) Dibenz[a,h]anthracene	16.313	278	674199	25.01	ppb	98
100) 7,12-Dimethylbenz(a)an...	14.278	256	331972	22.35	ppb	97
101) Benzo[g,h,i]perylene	16.698	276	653682	24.80	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration



Manual Integration Approval Summary

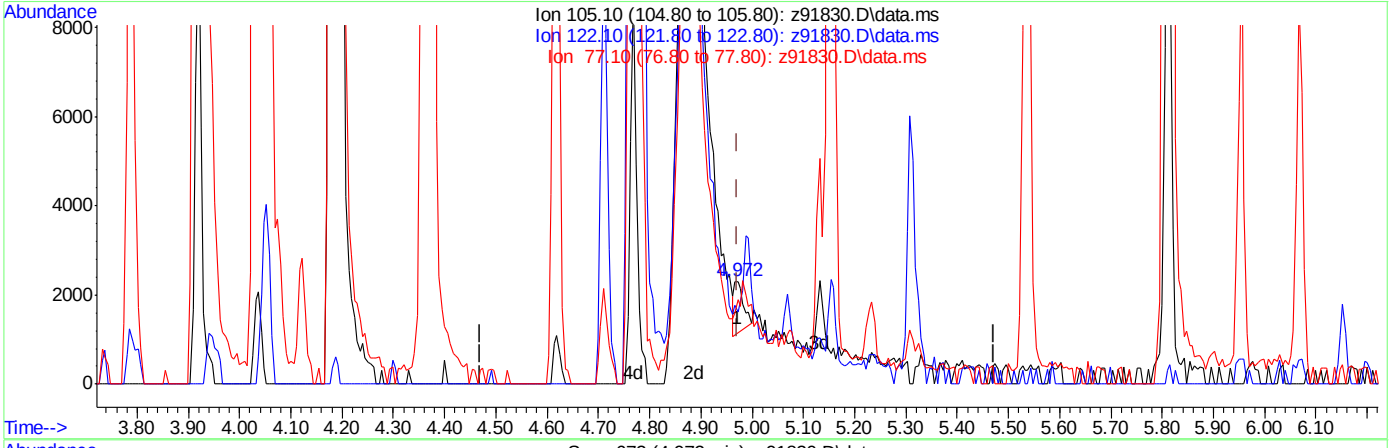
Sample Number: EZ4569-IC4569
Lab FileID: Z91830.D
Injection Time: 05/24/14 12:37
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

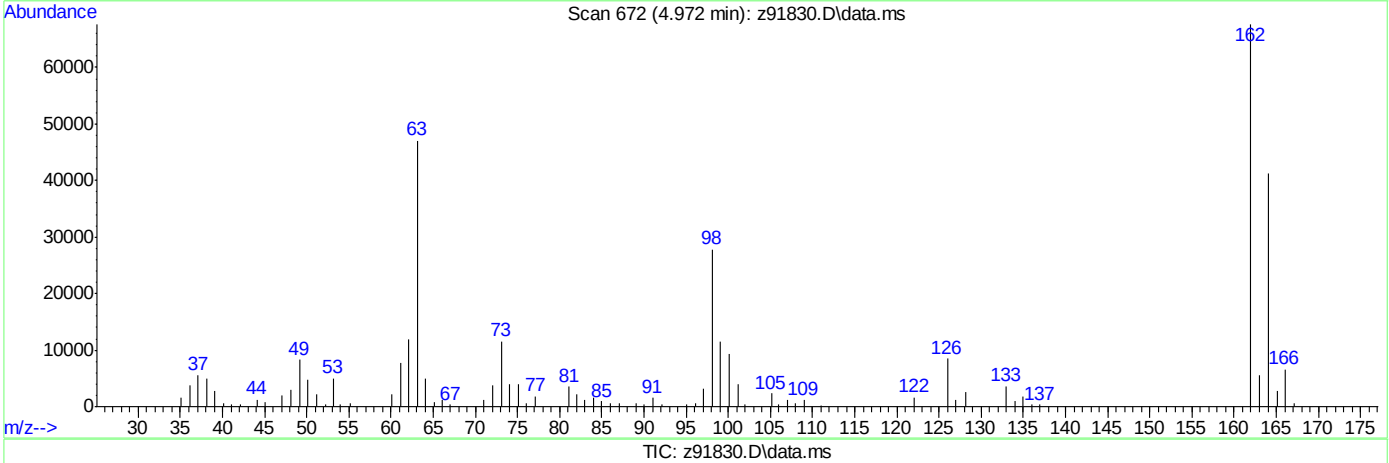
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.89	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		14.27	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:57:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(31) Benzoic Acid

4.972min (+0.000) 0.19ppb

response 1469

Ion	Exp%	Act%
105.10	100	100
122.10	106.20	243.91#
77.10	33.90	103.13#
0.00	0.00	0.00

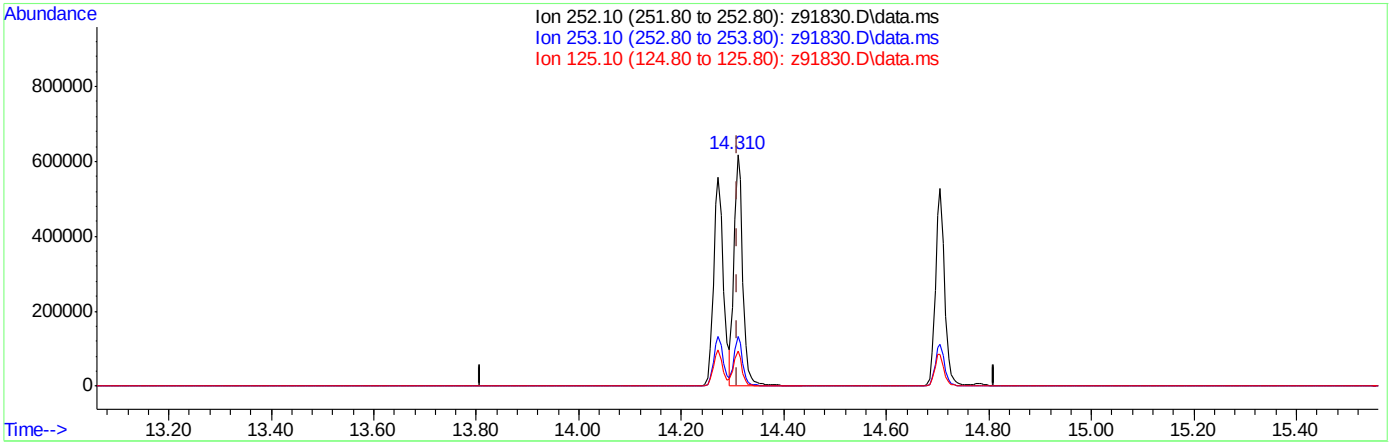
ACCUTEST LABORATORIES JB67744

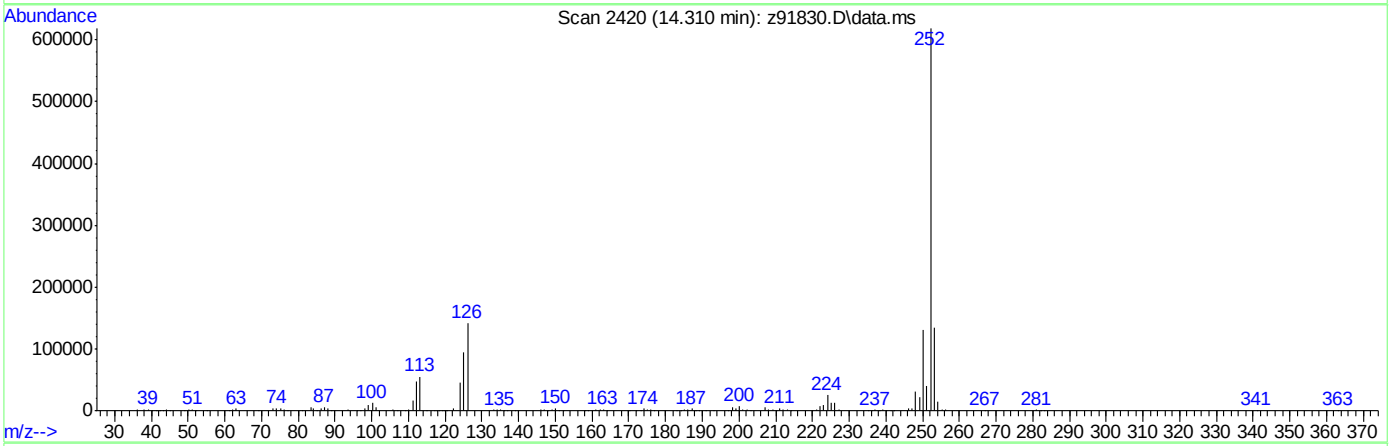
9.6.892 9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:57:19 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(94) Benzo[b]fluoranthene (t)

14.310min (+0.000) 25.14ppb

response 747158

Ion	Exp%	Act%
252.10	100	100
253.10	24.00	21.54
125.10	17.10	14.97
0.00	0.00	0.00

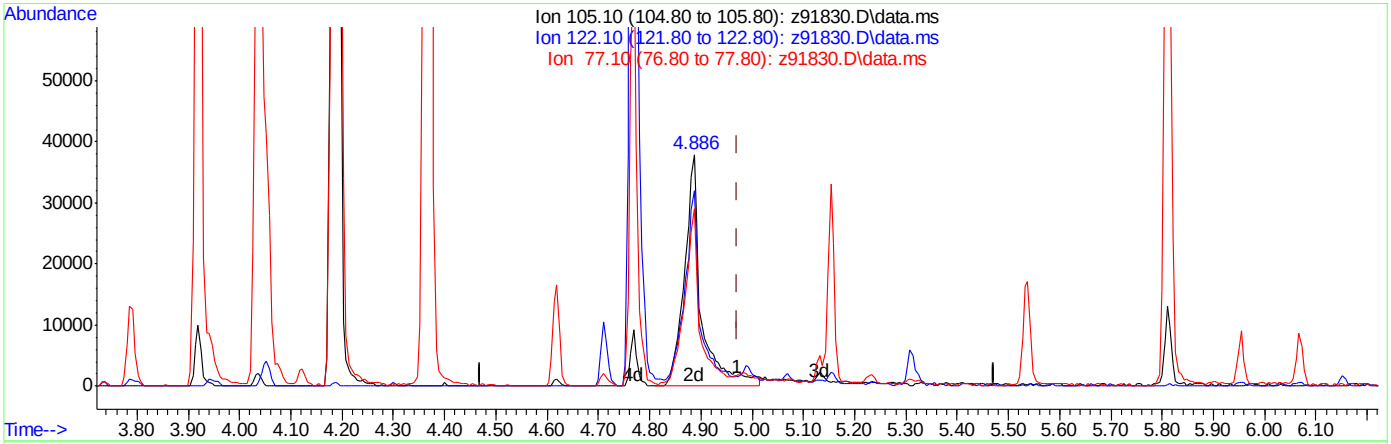
9.6.8.3

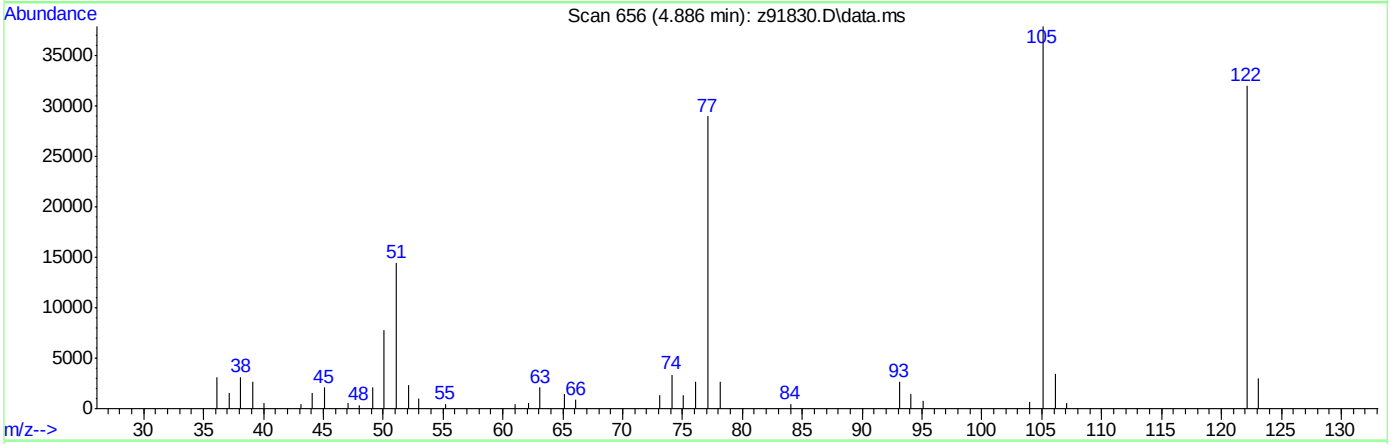
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(31) Benzoic Acid

4.886min (-0.085) 11.46ppb m

response 88658

Ion	Exp%	Act%
105.10	100	100
122.10	106.20	4.04#
77.10	33.90	1.71#
0.00	0.00	0.00

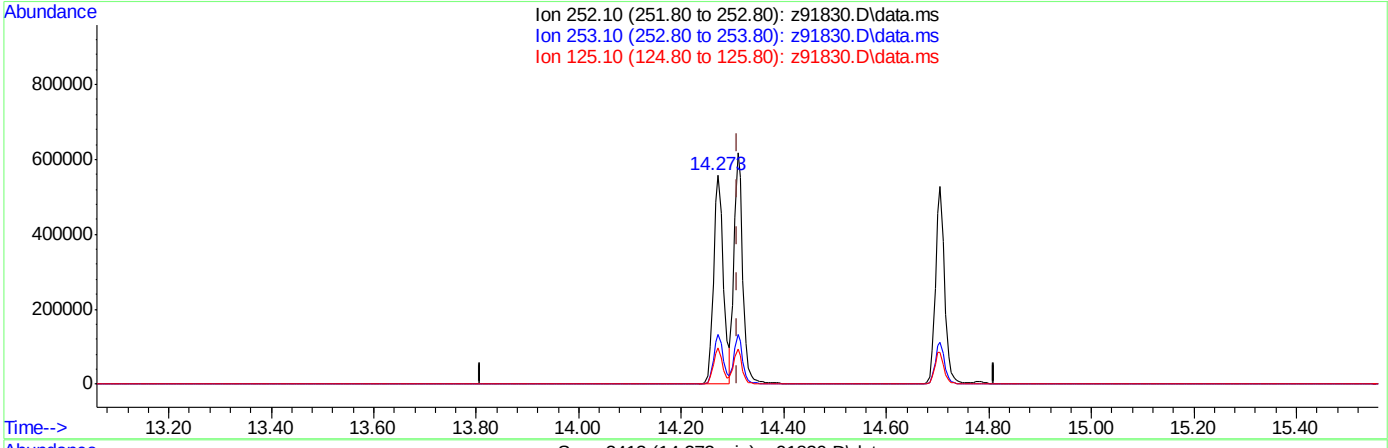
9.6.89.4

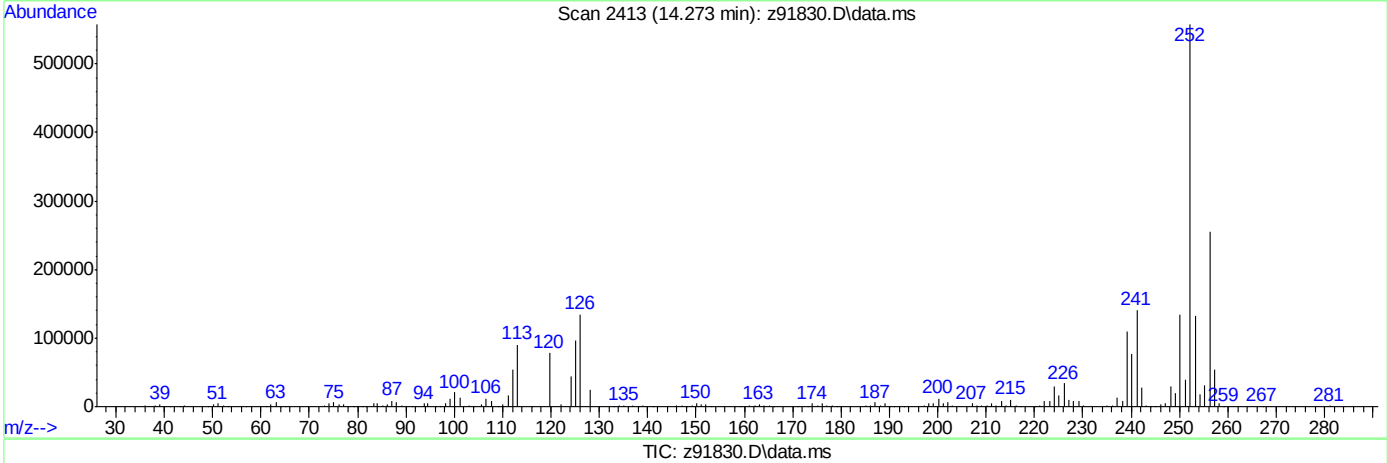
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91830.D
Acq On : 24 May 2014 12:37 pm
Operator : ashleyv
Sample : IC4569-25
Misc : op73791,ez4569
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 12:58:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:57:10 2014
Response via : Initial Calibration





TIC: z91830.D\data.ms

(94) Benzo[b]fluoranthene (t)

14.273min (-0.037) 25.45ppb m

response 756435

Ion	Exp%	Act%
252.10	100	100
253.10	24.00	23.87
125.10	17.10	17.37
0.00	0.00	0.00

9.6.89.5

9

Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
06/02/14 08:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	388287	40.00	ppb	0.00
24) Naphthalene-d8	5.132	136	1540193	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	843469	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1450599	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1466686	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1338349	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	388287	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1450599	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1466686	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	843469	40.00	ppb	0.00
112) Naphthalene-d8a	5.132	136	1540193	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.685	112	12810	0.97	ppb	0.00
Spiked Amount 50.000			Recovery =	1.94%		
8) Phenol-d5	3.439	99	16617	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
25) Nitrobenzene-d5	4.347	82	13114	0.97	ppb	0.00
Spiked Amount 50.000			Recovery =	1.94%		
51) 2-Fluorobiphenyl	6.398	172	29042	1.13	ppb	0.00
Spiked Amount 50.000			Recovery =	2.26%		
73) 2,4,6-Tribromophenol	8.140	330	2519	0.67	ppb	0.00
Spiked Amount 50.000			Recovery =	1.34%		
86) Terphenyl-d14	11.195	244	27698	0.93	ppb	0.00
Spiked Amount 50.000			Recovery =	1.86%		
106) 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	1.750	88	7669	1.21	ppb	94
3) Pyridine	1.921	79	17454	1.04	ppb	93
4) N-Nitrosodimethylamine	1.889	74	9303	1.01	ppb	96
6) Indene	4.042	116	29016	1.18	ppb	100
7) Cumene	3.081	105	40338	1.14	ppb	98
9) Phenol	3.449	94	20192	1.10	ppb	97
10) Aniline	3.481	93	22187	1.13	ppb	91
11) bis(2-Chloroethyl)ether	3.524	93	14026	1.10	ppb	96
12) 2-Chlorophenol	3.593	128	15789	1.09	ppb	97
13) Decane	3.620	43	20433	1.24	ppb	92
14) 1,3-Dichlorobenzene	3.732	146	16735	1.07	ppb	99
15) 1,4-Dichlorobenzene	3.802	146	18071	1.14	ppb	90
16) Benzyl alcohol	3.919	108	8248	0.90	ppb	86
17) 1,2-Dichlorobenzene	3.957	146	17197	1.16	ppb	99
18) Acetophenone	4.186	105	23262	1.15	ppb	96
19) 2-Methylphenol	4.037	108	13280	1.10	ppb	96
20) 2,2'-oxybis(1-Chloropr...	4.048	121	4595	1.10	ppb	93
21) 3&4-Methylphenol	4.192	108	13898	1.06	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.181	70	9451	1.02	ppb		85
23)	Hexachloroethane	4.304	201	5180	1.03	ppb		84
26)	Nitrobenzene	4.368	77	15328	1.04	ppb		99
27)	Quinoline	5.533	129	30345	1.00	ppb		100
28)	Isophorone	4.619	82	23555	0.95	ppb		99
29)	2-Nitrophenol	4.710	139	5961	0.82	ppb		88
30)	2,4-Dimethylphenol	4.769	107	10079	0.85	ppb		94
31)	Benzoic Acid	5.132	105	1905	0.22	ppb	#	1
32)	bis(2-Chloroethoxy)met...	4.865	93	15390	1.04	ppb		99
33)	2,4-Dichlorophenol	4.982	162	9994	0.93	ppb		96
34)	2,6-Dichlorophenol	5.234	162	9771	0.94	ppb		92
35)	1,3,5-Trichlorobenzene	4.721	180	16225	1.15	ppb		97
36)	1,2,4-Trichlorobenzene	5.068	180	13088	1.05	ppb		99
37)	1,2,3-Trichlorobenzene	5.319	180	15486	1.15	ppb		95
38)	Naphthalene	5.153	128	48568	1.18	ppb		100
39)	4-Chloroaniline	5.223	127	16970	1.03	ppb		96
40)	2,3-Dichloroaniline	6.291	161	15034	1.07	ppb		97
41)	Caprolactam	5.581	55	5906	0.80	ppb		97
42)	Hexachlorobutadiene	5.308	225	7592	1.15	ppb		95
43)	4-Chloro-3-methylphenol	5.805	107	10563	0.92	ppb		90
44)	2-Methylnaphthalene	5.955	141	24727	1.09	ppb		93
45)	1-Methylnaphthalene	6.067	141	27127	1.10	ppb		96
46)	Dimethylnaphthalene	6.692	156	26561	1.06	ppb		99
48)	Hexachlorocyclopentadiene	6.152	237	9994	1.44	ppb		95
49)	2,4,6-Trichlorophenol	6.297	196	6467	0.88	ppb		99
50)	2,4,5-Trichlorophenol	6.345	196	6886	0.88	ppb		97
52)	2-Chloronaphthalene	6.526	162	26774	1.11	ppb		95
53)	Biphenyl	6.510	154	38738	1.16	ppb		98
54)	2-Nitroaniline	6.660	65	5168	0.72	ppb		91
55)	Dimethylphthalate	6.890	163	29237	1.12	ppb		99
56)	Acenaphthylene	7.018	152	37068	0.95	ppb		99
57)	2,6-Dinitrotoluene	6.954	165	3771	0.64	ppb		93
58)	3-Nitroaniline	7.157	138	5088	0.70	ppb		71
59)	Acenaphthene	7.226	153	27591	1.16	ppb		96
61)	4-Nitrophenol	7.403	109	1628	0.48	ppb	#	79
62)	Dibenzofuran	7.435	168	39673	1.22	ppb		87
63)	2,4-Dinitrotoluene	7.435	165	5087	0.65	ppb	#	19
64)	2,3,4,6-Tetrachlorophenol	7.600	232	4693	0.74	ppb		97
65)	Diethylphthalate	7.744	149	25479	0.99	ppb		99
66)	Fluorene	7.846	166	28587	1.10	ppb		97
67)	4-Chlorophenyl-phenyle...	7.862	204	13918	1.15	ppb		96
68)	4-Nitroaniline	7.889	138	4924	0.68	ppb		95
70)	4,6-Dinitro-2-methylph...	7.926	198	1171	0.24	ppb		79
71)	n-Nitrosodiphenylamine	8.006	169	16985	0.93	ppb		95
72)	1,2-Diphenylhydrazine	8.049	77	26529	0.93	ppb		98
74)	4-Bromophenyl-phenylether	8.444	248	8188	1.13	ppb		92
75)	Hexachlorobenzene	8.514	284	9049	1.04	ppb		97
76)	Pentachlorophenol	8.775	266	4504	0.97	ppb		98
77)	Phenanthrene	9.016	178	46613	1.15	ppb		98
78)	Anthracene	9.080	178	39658	0.98	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	9.304	167	42415	1.04	ppb	99
80) Di-n-butylphthalate	9.812	149	34449	0.81	ppb	99
81) Fluoranthene	10.613	202	38805	0.95	ppb	98
82) Octadecane	8.914	57	16962	0.87	ppb	94
84) Pyrene	10.928	202	42281	0.95	ppb	95
85) Butyl stearate	12.104	56	5775	0.46	ppb	89
87) Butylbenzylphthalate	11.959	149	11169	0.60	ppb	92
88) Benzo[a]anthracene	12.718	228	39810	0.98	ppb	96
89) 3,3'-Dichlorobenzidine	12.723	252	9224	0.66	ppb	91
90) Chrysene	12.766	228	40410	1.02	ppb	97
91) bis(2-Ethylhexyl)phtha...	12.873	149	12556	0.49	ppb	97
93) Di-n-octylphthalate	13.829	149	15595	0.38	ppb	100
94) Benzo[b]fluoranthene	14.267	252	30354	0.74	ppb	94
95) Benzo[k]fluoranthene	14.305	252	43102m	1.08	ppb	
96) Benzo[a]pyrene	14.700	252	27738	0.75	ppb	95
97) Indeno[1,2,3-cd]pyrene	16.265	276	23799	0.66	ppb	99
98) Dibenz(a,h)acridine	15.934	279	25885m	0.76	ppb	
99) Dibenz[a,h]anthracene	16.308	278	30093m	0.82	ppb	
100) 7,12-Dimethylbenz(a)an...	14.267	256	3917	0.23	ppb	97
101) Benzo[g,h,i]perylene	16.687	276	30763m	0.85	ppb	

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

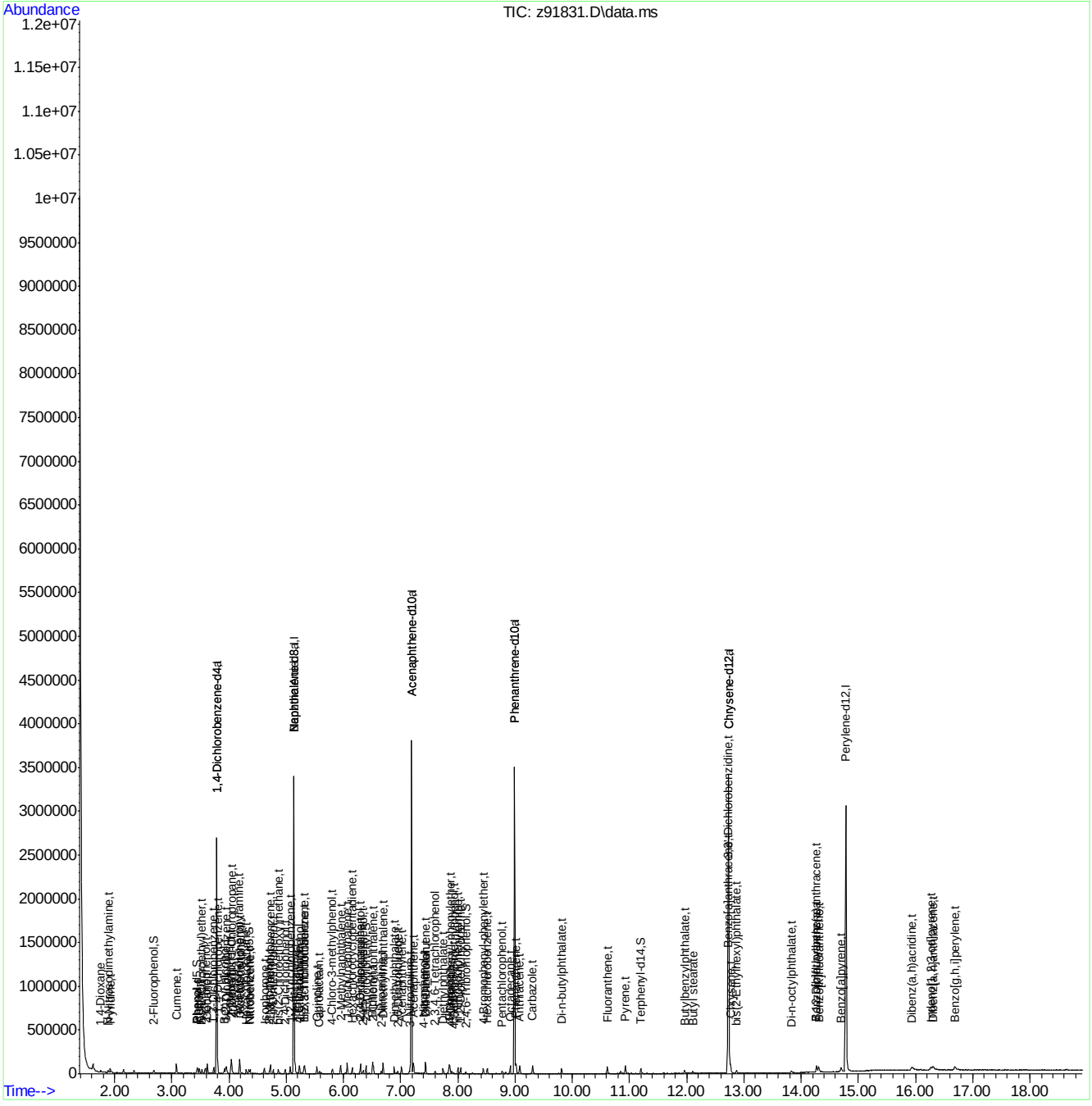
9.6.90

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration



MZ4569.M Tue May 27 09:53:17 2014 RTE Page: 4

Manual Integration Approval Summary

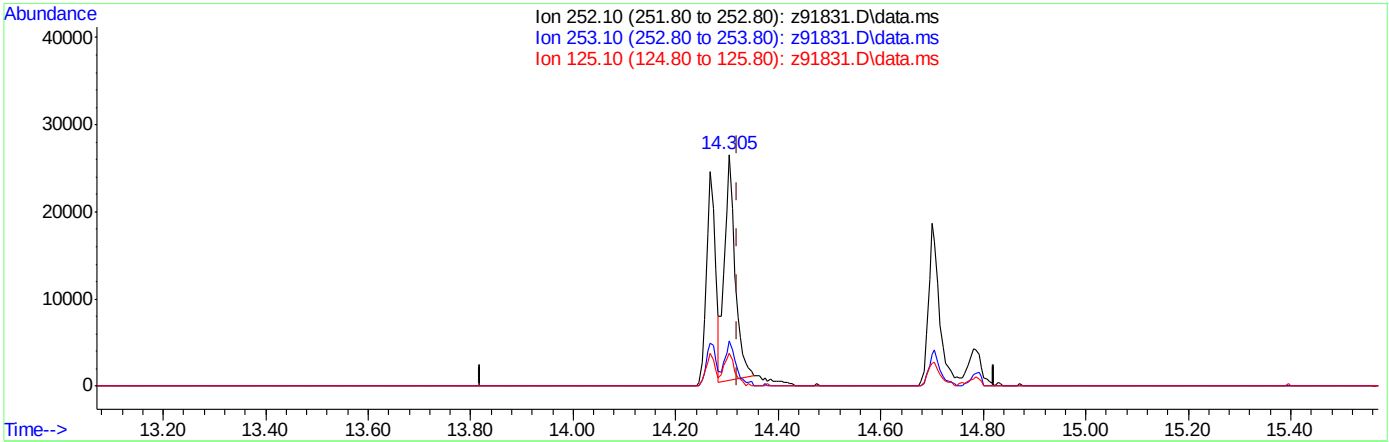
Sample Number: EZ4569-IC4569
Lab FileID: Z91831.D
Injection Time: 05/24/14 13:03
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 06/02/14 08:28 Cheng-Hwan Ao

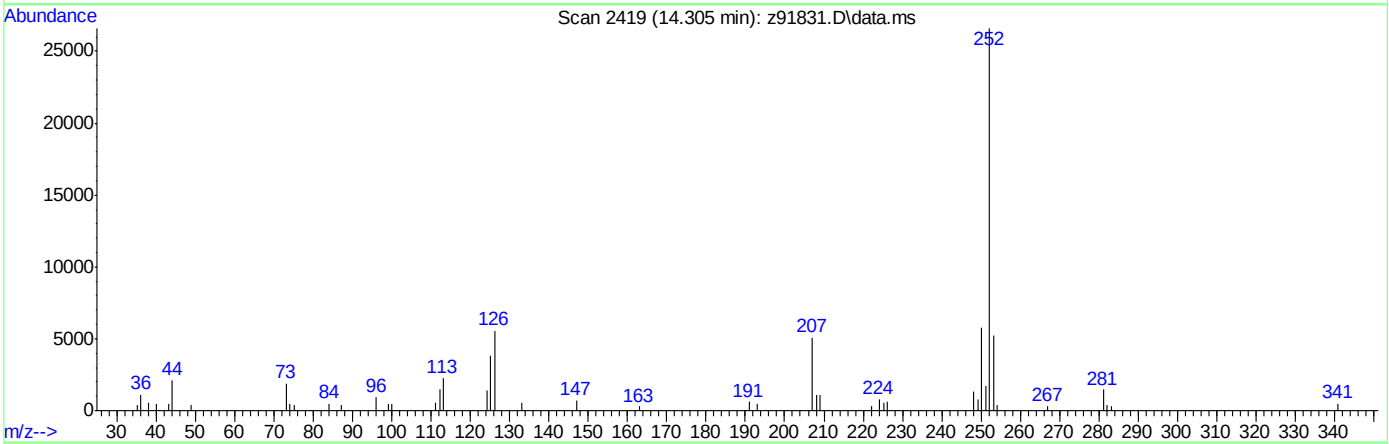
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		14.30	Poor instrument integration
Dibenz(a,h)acridine	226-36-8		15.93	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		16.31	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.69	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.305min (-0.016) 0.92ppb

response 36756

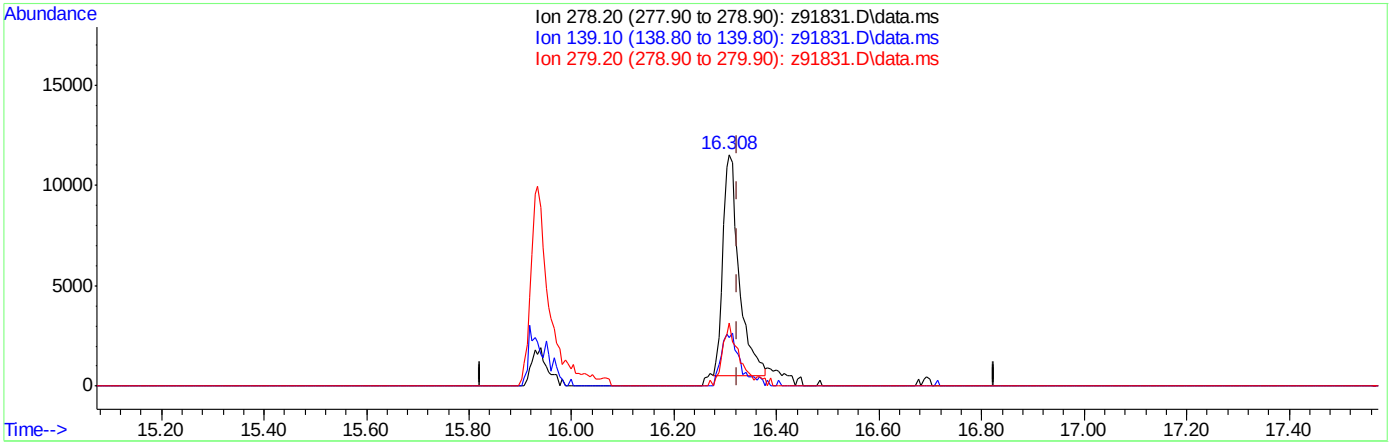
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.65
125.10	15.00	15.10
0.00	0.00	0.00

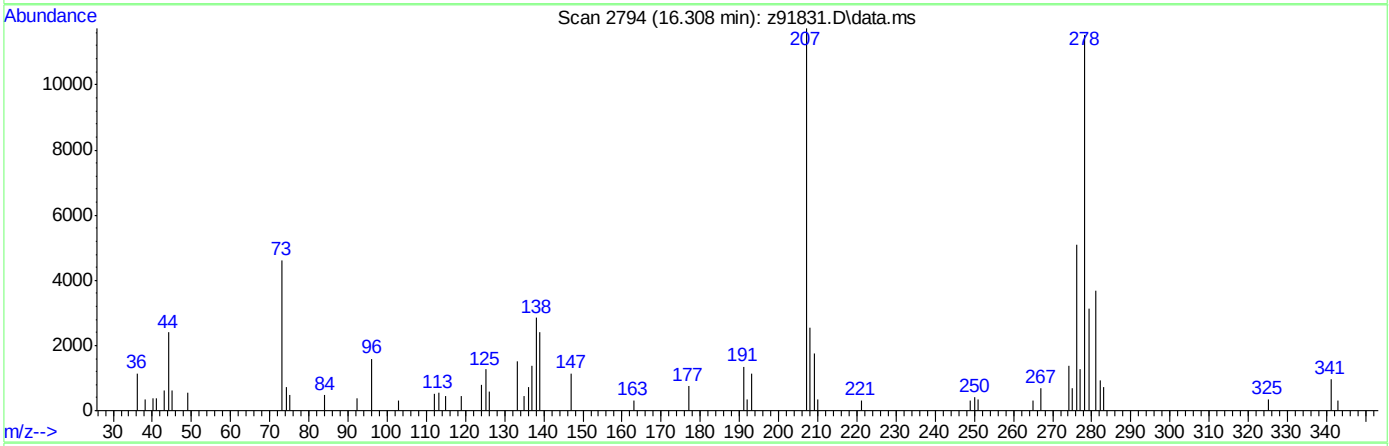
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(99) Dibenz[a,h]anthracene (t)

16.308min (-0.016) 0.65ppb

response 23966

Ion	Exp%	Act%
278.20	100	100
139.10	24.10	22.27
279.20	23.20	27.00
0.00	0.00	0.00

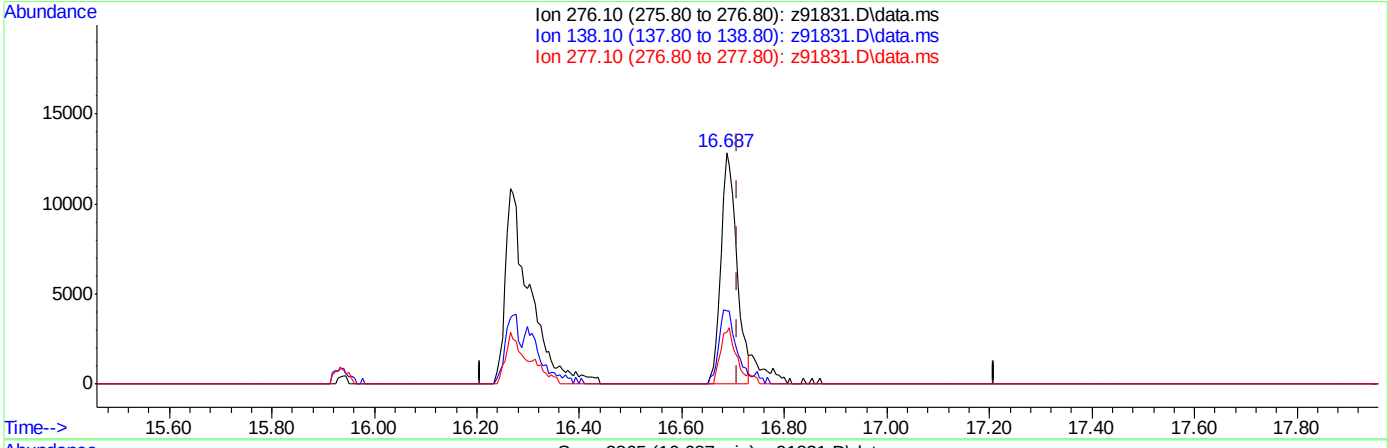
9.6.9.0.3

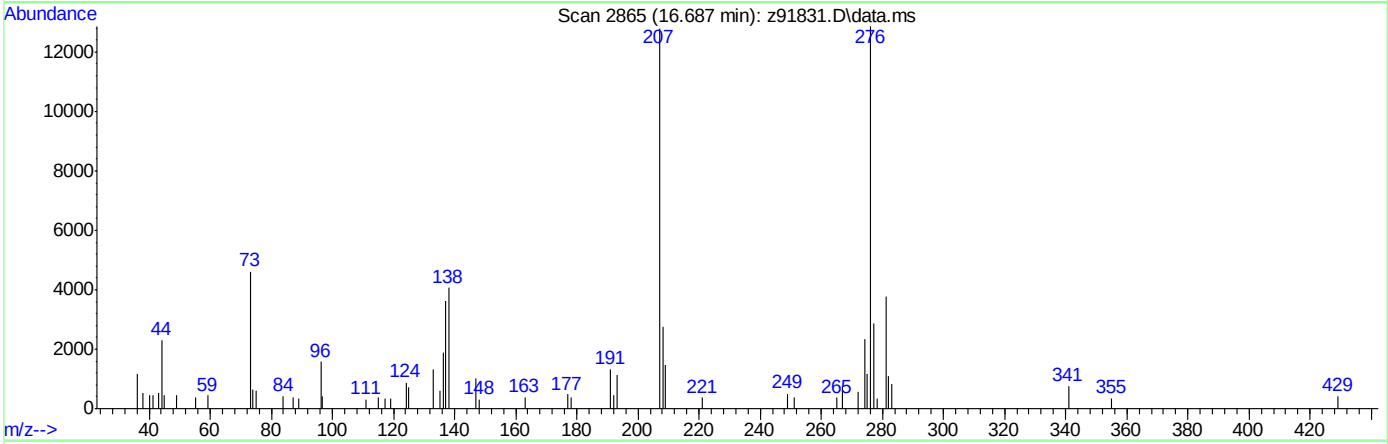
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:44:14 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(101) Benzo[g,h,i]perylene (t)

16.687min (-0.021) 0.76ppb

response 27386

Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.44
277.10	23.60	21.46
0.00	0.00	0.00

9.6.90.4

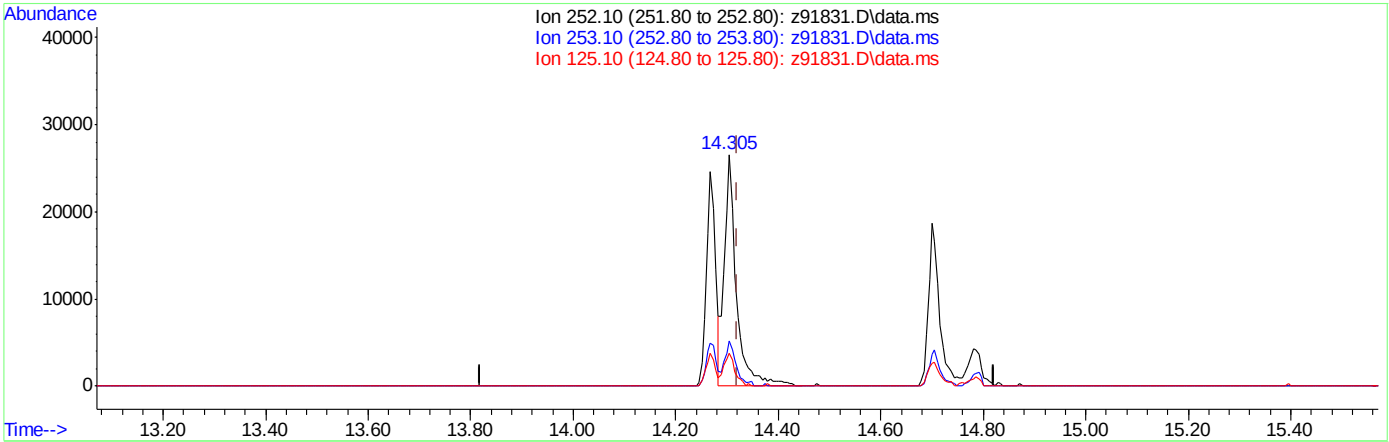
9

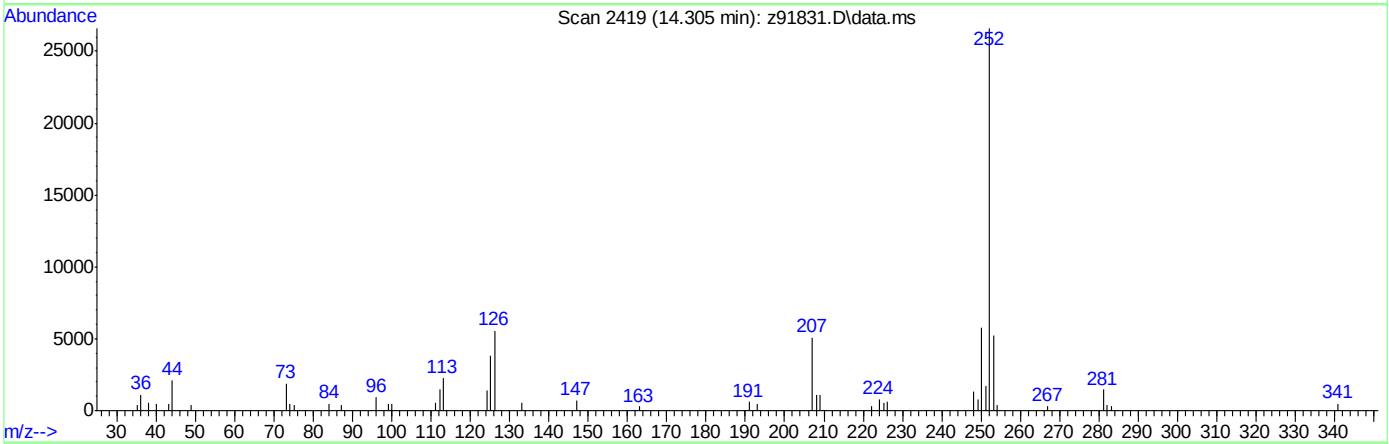
Z91831.D edits: Benzo[g,h,i]perylene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(95) Benzo[k]fluoranthene (t)

14.305min (-0.016) 1.08ppb m

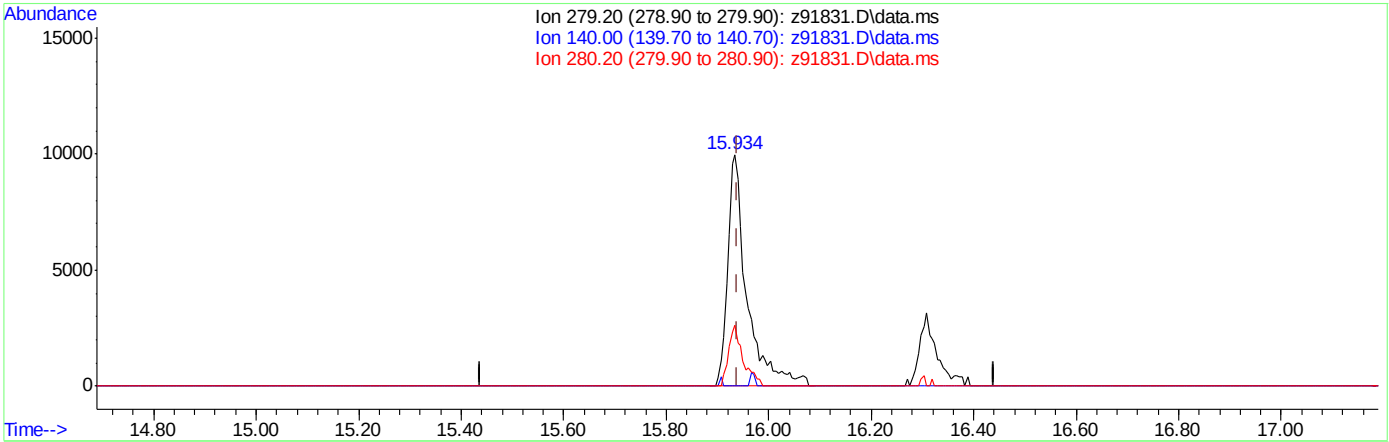
response 43102

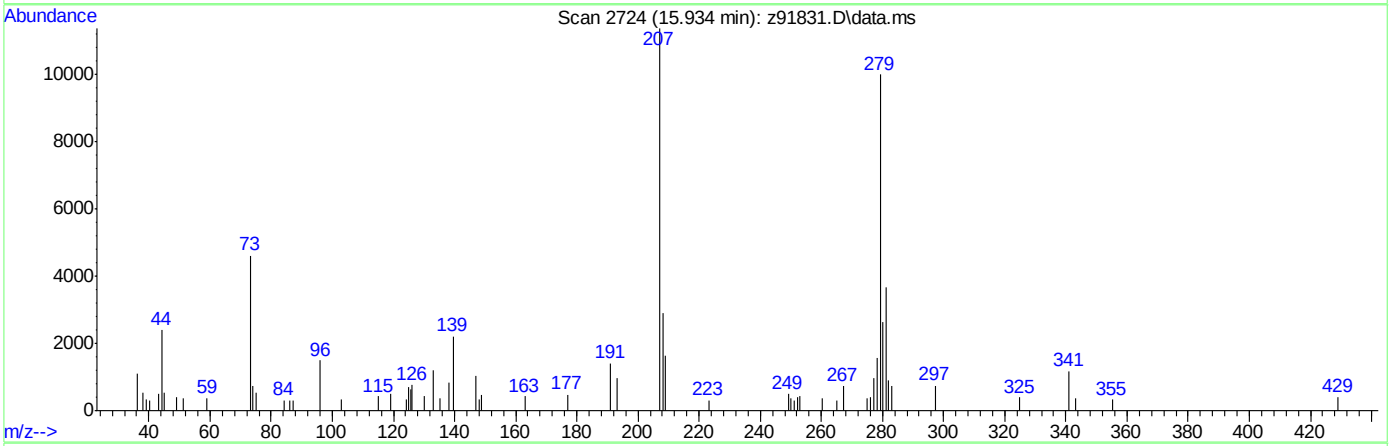
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.59
125.10	15.00	14.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(98) Dibenz(a,h)acridine (t)

15.934min (-0.005) 0.76ppb m

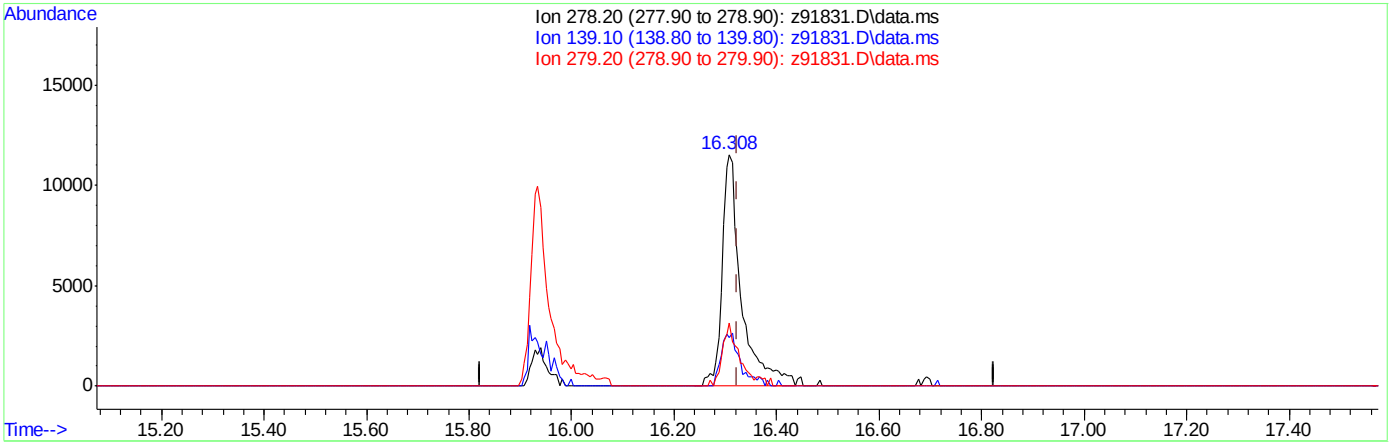
response 25885

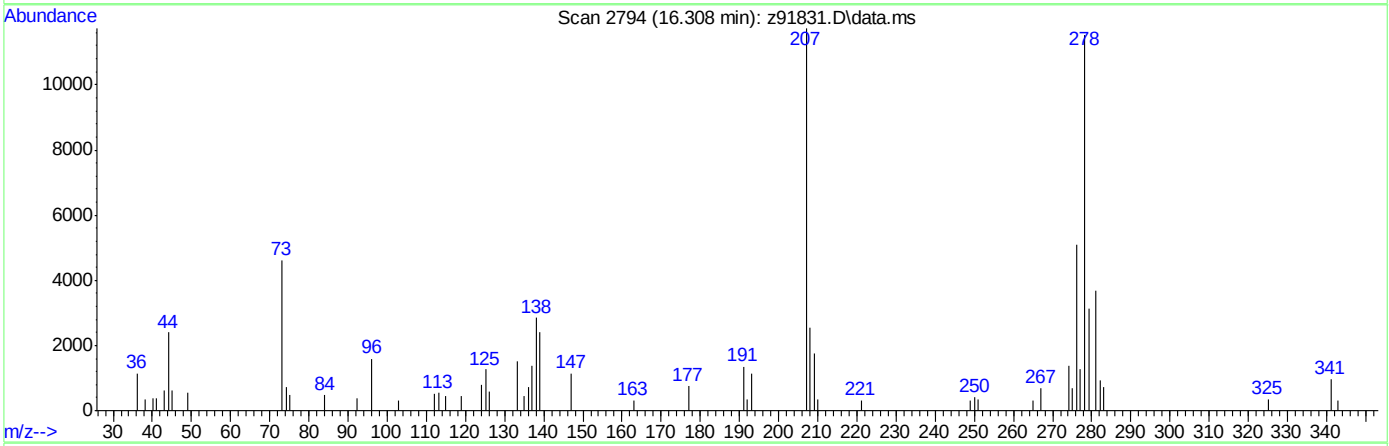
Ion	Exp%	Act%
279.20	100	100
140.00	0.00	0.00
280.20	22.30	26.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(99) Dibenz[a,h]anthracene (t)

16.308min (-0.016) 0.82ppb m

response 30093

Ion	Exp%	Act%
278.20	100	100
139.10	24.10	20.91
279.20	23.20	27.17
0.00	0.00	0.00

9.9.90.7

9

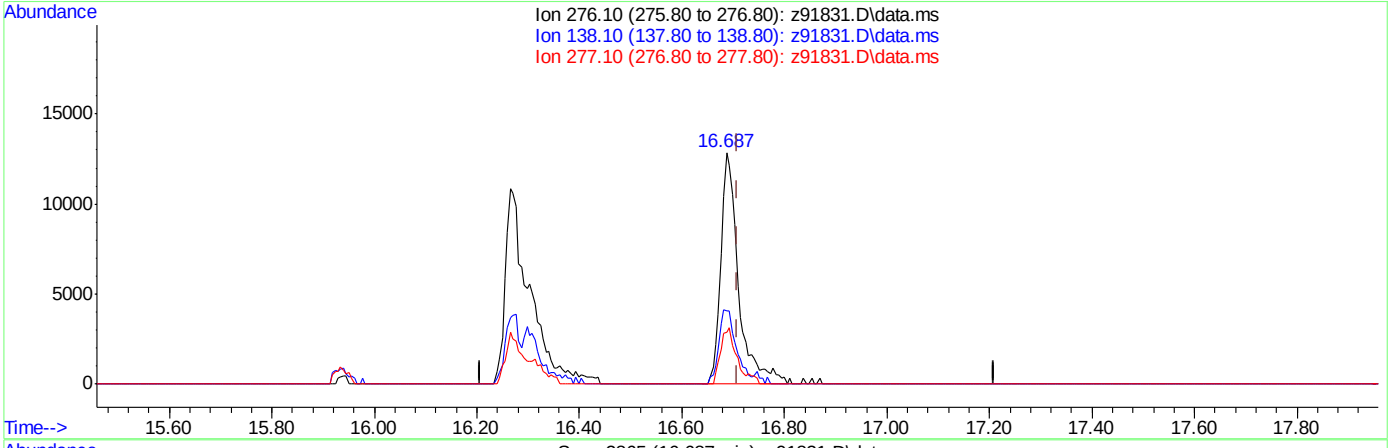
Z91831.D edits: Dibenz[a,h]anthracene

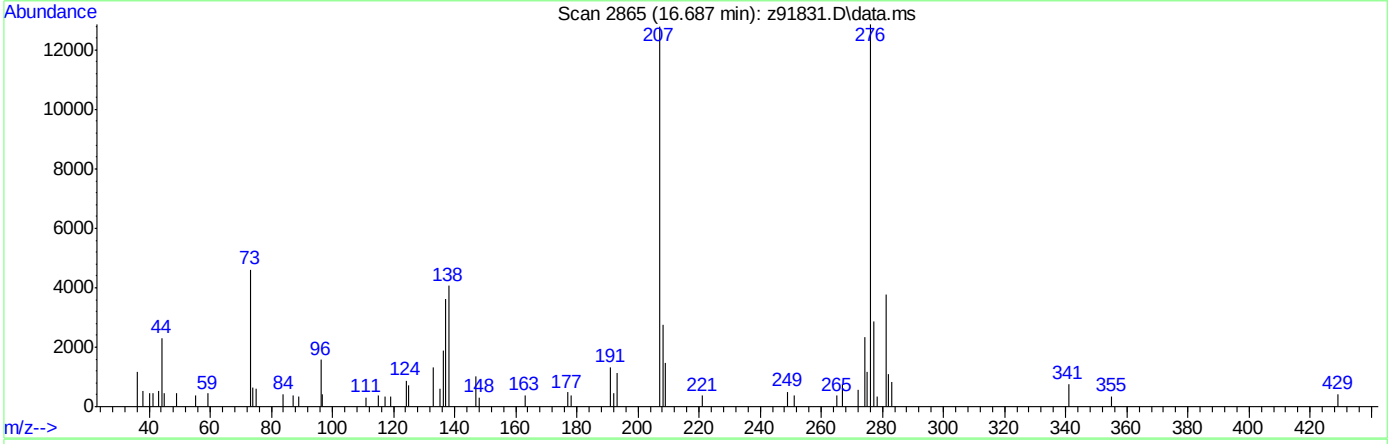
ACCUTEST LABORATORIES JB67744

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 13:00:49 2014
Response via : Initial Calibration





TIC: z91831.D\data.ms

(101) Benzo[g,h,i]perylene (t)

16.687min (-0.021) 0.85ppb m

response 30763

Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.57
277.10	23.60	22.42
0.00	0.00	0.00

9.6.9.0.8

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	380964	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1494153	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	822963	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1400354	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1437834	40.00	ppb		0.00
92) Perylene-d12	14.785	264	1292589	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	380964	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1400354	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1437834	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	822963	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1494153	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.685	112	66784	5.13	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.26%		
8) Phenol-d5	3.433	99	85603	5.22	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.44%		
25) Nitrobenzene-d5	4.347	82	68402	5.19	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.38%		
51) 2-Fluorobiphenyl	6.398	172	139143	5.33	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.66%		
73) 2,4,6-Tribromophenol	8.140	330	17077	4.99	ppb		0.00
Spiked Amount 50.000			Recovery	=	9.98%		
86) Terphenyl-d14	11.201	244	147539	5.10	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.20%		
106) 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	1.750	88	34655	5.31	ppb		97
3) Pyridine	1.916	79	89545	5.30	ppb		99
4) N-Nitrosodimethylamine	1.889	74	47541	5.20	ppb		98
6) Indene	4.042	116	145294	5.63	ppb		98
7) Cumene	3.081	105	199801	5.48	ppb		99
9) Phenol	3.449	94	94521	5.14	ppb		91
10) Aniline	3.476	93	109989	5.50	ppb		89
11) bis(2-Chloroethyl)ether	3.524	93	68711	5.33	ppb		98
12) 2-Chlorophenol	3.593	128	77343	5.27	ppb		99
13) Decane	3.620	43	98154	5.63	ppb		90
14) 1,3-Dichlorobenzene	3.732	146	85164	5.39	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	86761	5.36	ppb		99
16) Benzyl alcohol	3.919	108	44505	5.04	ppb		99
17) 1,2-Dichlorobenzene	3.957	146	80395	5.30	ppb		99
18) Acetophenone	4.186	105	117957	5.59	ppb		94
19) 2-Methylphenol	4.037	108	67490	5.46	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.053	121	23264	5.46	ppb	#	86
21) 3&4-Methylphenol	4.192	108	70905	5.35	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.181	70	49817	5.36	ppb		90
23) Hexachloroethane	4.299	201	25906	5.18	ppb		95
26) Nitrobenzene	4.368	77	77385	5.32	ppb		99
27) Quinoline	5.533	129	159842	5.34	ppb		99
28) Isophorone	4.614	82	125956	5.24	ppb		99
29) 2-Nitrophenol	4.710	139	33833	4.96	ppb		87
30) 2,4-Dimethylphenol	4.769	107	53309	4.69	ppb		94
31) Benzoic Acid	4.849	105	7388	8.00	ppb	#	55
32) bis(2-Chloroethoxy)met...	4.865	93	77112	5.28	ppb		95
33) 2,4-Dichlorophenol	4.982	162	53217	5.11	ppb		97
34) 2,6-Dichlorophenol	5.234	162	54766	5.36	ppb		99
35) 1,3,5-Trichlorobenzene	4.721	180	82023	5.64	ppb		99
36) 1,2,4-Trichlorobenzene	5.068	180	67366	5.43	ppb		99
37) 1,2,3-Trichlorobenzene	5.324	180	76764	5.59	ppb		98
38) Naphthalene	5.153	128	224379	5.38	ppb		99
39) 4-Chloroaniline	5.223	127	89292	5.43	ppb		97
40) 2,3-Dichloroaniline	6.297	161	79646	5.58	ppb		97
41) Caprolactam	5.586	55	35386	5.10	ppb		96
42) Hexachlorobutadiene	5.308	225	36620	5.46	ppb		99
43) 4-Chloro-3-methylphenol	5.811	107	56990	5.15	ppb		96
44) 2-Methylnaphthalene	5.955	141	121152	5.35	ppb		99
45) 1-Methylnaphthalene	6.067	141	137207	5.50	ppb		98
46) Dimethylnaphthalene	6.692	156	140870	5.57	ppb		99
48) Hexachlorocyclopentadiene	6.152	237	64514	9.92	ppb		99
49) 2,4,6-Trichlorophenol	6.302	196	37774	5.29	ppb		96
50) 2,4,5-Trichlorophenol	6.345	196	38775	5.12	ppb		96
52) 2-Chloronaphthalene	6.526	162	132159	5.40	ppb		98
53) Biphenyl	6.510	154	194896	5.60	ppb		97
54) 2-Nitroaniline	6.660	65	32887	4.90	ppb		91
55) Dimethylphthalate	6.890	163	134562	5.15	ppb		100
56) Acenaphthylene	7.018	152	206711	5.37	ppb		99
57) 2,6-Dinitrotoluene	6.954	165	25567	4.77	ppb		98
58) 3-Nitroaniline	7.157	138	34372	5.08	ppb		97
59) Acenaphthene	7.226	153	132570	5.45	ppb		99
60) 2,4-Dinitrophenol	7.280	184	15143	12.54	ppb		88
61) 4-Nitrophenol	7.397	109	12151	3.97	ppb	#	63
62) Dibenzofuran	7.435	168	183595	5.44	ppb		88
63) 2,4-Dinitrotoluene	7.435	165	37912	5.18	ppb		55
64) 2,3,4,6-Tetrachlorophenol	7.600	232	29737	4.85	ppb		97
65) Diethylphthalate	7.744	149	131584	5.17	ppb		99
66) Fluorene	7.846	166	143018	5.42	ppb		99
67) 4-Chlorophenyl-phenyle...	7.862	204	66424	5.38	ppb		97
68) 4-Nitroaniline	7.889	138	34794	5.13	ppb		95
70) 4,6-Dinitro-2-methylph...	7.921	198	13535	3.01	ppb		87
71) n-Nitrosodiphenylamine	8.006	169	94576	5.33	ppb		100
72) 1,2-Diphenylhydrazine	8.049	77	144672	5.24	ppb		97
74) 4-Bromophenyl-phenylether	8.450	248	37295	5.19	ppb		100
75) Hexachlorobenzene	8.514	284	45224	5.27	ppb		95
76) Pentachlorophenol	8.770	266	38929	9.52	ppb		98
77) Phenanthrene	9.016	178	219188	5.38	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.080	178	212121	5.37	ppb	100
79) Carbazole	9.310	167	226156	5.53	ppb	98
80) Di-n-butylphthalate	9.812	149	201914	5.03	ppb	99
81) Fluoranthene	10.613	202	210043	5.30	ppb	99
82) Octadecane	8.914	57	107178	5.57	ppb	94
84) Pyrene	10.928	202	228638	5.22	ppb	97
85) Butyl stearate	12.104	56	52515	4.44	ppb	94
87) Butylbenzylphthalate	11.959	149	77324	4.37	ppb	95
88) Benzo[a]anthracene	12.718	228	199986	5.06	ppb	98
89) 3,3'-Dichlorobenzidine	12.723	252	63349	4.87	ppb	97
90) Chrysene	12.766	228	204864	5.22	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	102686	4.28	ppb	99
93) Di-n-octylphthalate	13.829	149	157973	4.98	ppb	96
94) Benzo[b]fluoranthene	14.267	252	197976	5.14	ppb	98
95) Benzo[k]fluoranthene	14.305	252	214104	5.38	ppb	100
96) Benzo[a]pyrene	14.700	252	169877	4.96	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.265	276	162398	4.92	ppb	99
98) Dibenz(a,h)acridine	15.934	279	164780	5.13	ppb	100
99) Dibenz[a,h]anthracene	16.308	278	176927	5.08	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.267	256	45497	5.23	ppb	99
101) Benzo[g,h,i]perylene	16.687	276	178027	5.18	ppb	100

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

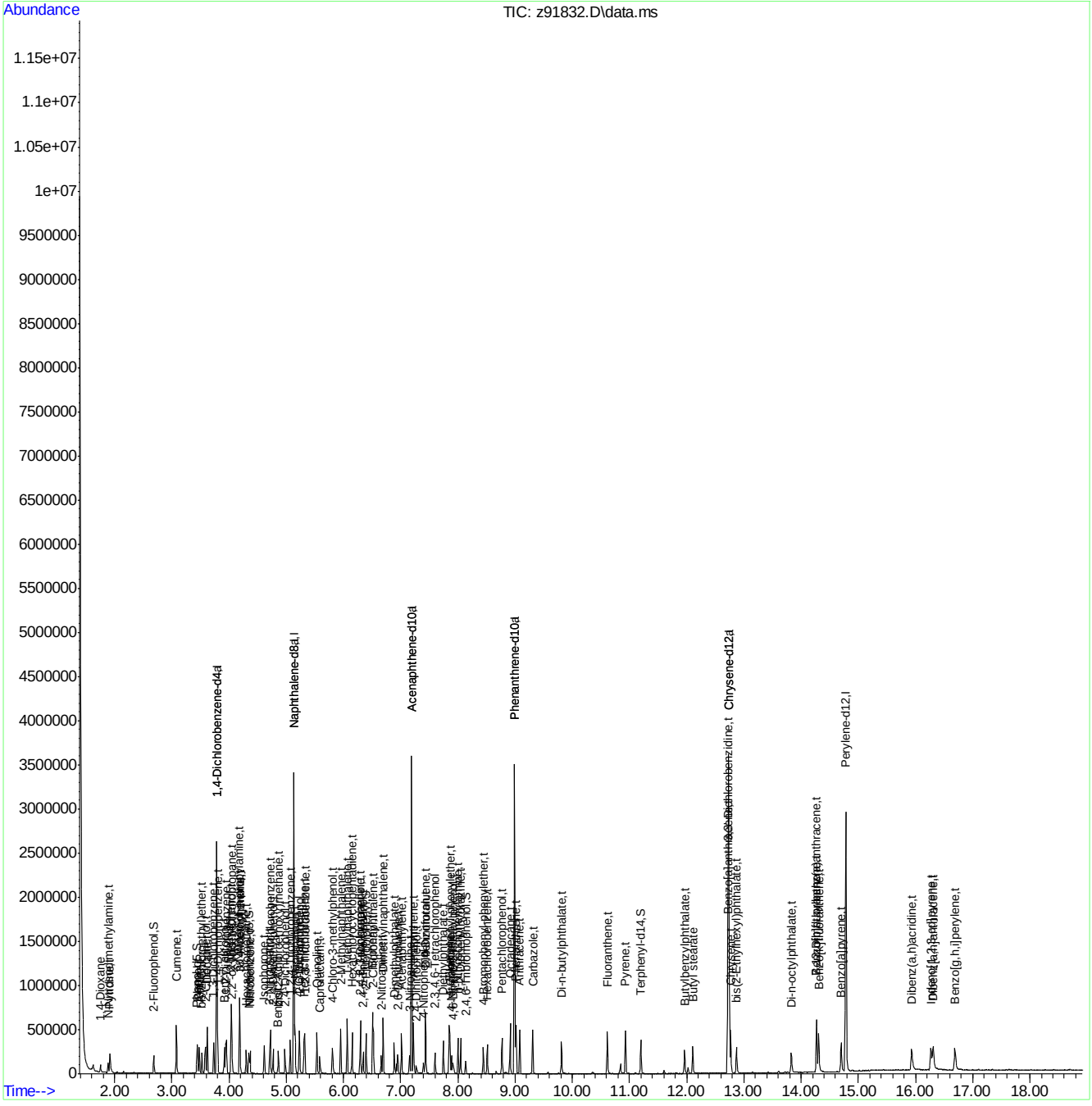
9.6.91

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91832.D
Acq On : 24 May 2014 1:28 pm
Operator : ashleyv
Sample : IC4569-5
Misc : op73791,ez4569
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 24 15:02:44 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:00:32 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	348443	40.00	ppb		0.00
24) Naphthalene-d8	5.132	136	1381184	40.00	ppb		0.00
47) Acenaphthene-d10	7.189	164	750411	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1289705	40.00	ppb		0.00
83) Chrysene-d12	12.734	240	1322716	40.00	ppb		0.00
92) Perylene-d12	14.786	264	1174861	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348443	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1289705	40.00	ppb		0.00
107) Chrysene-d12a	12.734	240	1322716	40.00	ppb		0.00
110) Acenaphthene-d10a	7.189	164	750411	40.00	ppb		0.00
112) Naphthalene-d8a	5.132	136	1381184	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.680	112	120646	10.13	ppb		0.00
Spiked Amount 50.000			Recovery = 20.26%				
8) Phenol-d5	3.433	99	151559	10.11	ppb		0.00
Spiked Amount 50.000			Recovery = 20.22%				
25) Nitrobenzene-d5	4.347	82	121593	9.99	ppb		0.00
Spiked Amount 50.000			Recovery = 19.98%				
51) 2-Fluorobiphenyl	6.398	172	249372	10.48	ppb		0.00
Spiked Amount 50.000			Recovery = 20.96%				
73) 2,4,6-Tribromophenol	8.140	330	31992	10.15	ppb		0.00
Spiked Amount 50.000			Recovery = 20.30%				
86) Terphenyl-d14	11.196	244	268365	10.09	ppb		0.00
Spiked Amount 50.000			Recovery = 20.18%				
106) 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	1.750	88	61170	10.25	ppb		100
3) Pyridine	1.916	79	161376	10.44	ppb		98
4) N-Nitrosodimethylamine	1.884	74	85107	10.19	ppb		97
6) Indene	4.042	116	258922	10.97	ppb		99
7) Cumene	3.081	105	355167	10.64	ppb		100
9) Phenol	3.449	94	169341	10.06	ppb		91
10) Aniline	3.481	93	182669	9.99	ppb		96
11) bis(2-Chloroethyl)ether	3.524	93	118872	10.08	ppb		99
12) 2-Chlorophenol	3.594	128	137529	10.25	ppb		98
13) Decane	3.620	43	172025	10.78	ppb		91
14) 1,3-Dichlorobenzene	3.738	146	149983	10.38	ppb		97
15) 1,4-Dichlorobenzene	3.802	146	150523	10.17	ppb		98
16) Benzyl alcohol	3.919	108	81427	10.08	ppb		94
17) 1,2-Dichlorobenzene	3.957	146	142814	10.29	ppb		100
18) Acetophenone	4.186	105	207710	10.77	ppb		95
19) 2-Methylphenol	4.037	108	119609	10.59	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.053	121	40744	10.45	ppb	#	82
21) 3&4-Methylphenol	4.192	108	129709	10.69	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22)	n-Nitroso-di-n-propyla...	4.181	70	88494	10.41	ppb		90
23)	Hexachloroethane	4.304	201	47006	10.27	ppb		88
26)	Nitrobenzene	4.368	77	135734	10.09	ppb		98
27)	Quinoline	5.533	129	286922	10.37	ppb		100
28)	Isophorone	4.614	82	225965	10.17	ppb		98
29)	2-Nitrophenol	4.710	139	63736	10.12	ppb		88
30)	2,4-Dimethylphenol	4.769	107	102240	9.73	ppb		99
31)	Benzoic Acid	4.860	105	22863	3.89	ppb	#	58
32)	bis(2-Chloroethoxy)met...	4.865	93	137685	10.19	ppb		98
33)	2,4-Dichlorophenol	4.977	162	99384	10.32	ppb		99
34)	2,6-Dichlorophenol	5.234	162	100151	10.60	ppb		99
35)	1,3,5-Trichlorobenzene	4.721	180	142844	10.63	ppb		98
36)	1,2,4-Trichlorobenzene	5.068	180	118452	10.32	ppb		98
37)	1,2,3-Trichlorobenzene	5.324	180	133363	10.50	ppb		98
38)	Naphthalene	5.153	128	393051	10.20	ppb		99
39)	4-Chloroaniline	5.228	127	159024	10.47	ppb		99
40)	2,3-Dichloroaniline	6.297	161	142135	10.78	ppb		98
41)	Caprolactam	5.592	55	65446	10.20	ppb		95
42)	Hexachlorobutadiene	5.308	225	63201	10.19	ppb		98
43)	4-Chloro-3-methylphenol	5.811	107	102183	9.98	ppb		95
44)	2-Methylnaphthalene	5.955	141	215826	10.31	ppb		98
45)	1-Methylnaphthalene	6.067	141	246324	10.68	ppb		99
46)	Dimethylnaphthalene	6.692	156	250244	10.71	ppb		97
48)	Hexachlorocyclopentadiene	6.152	237	126261	21.28	ppb		99
49)	2,4,6-Trichlorophenol	6.302	196	69302	10.64	ppb		98
50)	2,4,5-Trichlorophenol	6.345	196	71616	10.37	ppb		96
52)	2-Chloronaphthalene	6.526	162	232687	10.42	ppb		97
53)	Biphenyl	6.510	154	348852	10.99	ppb		98
54)	2-Nitroaniline	6.660	65	62798	10.26	ppb		86
55)	Dimethylphthalate	6.890	163	243879	10.23	ppb		99
56)	Acenaphthylene	7.018	152	371219	10.58	ppb		99
57)	2,6-Dinitrotoluene	6.954	165	50377	10.31	ppb		98
58)	3-Nitroaniline	7.157	138	61961	10.04	ppb		97
59)	Acenaphthene	7.226	153	229487	10.34	ppb		99
60)	2,4-Dinitrophenol	7.280	184	37967	21.20	ppb		95
61)	4-Nitrophenol	7.397	109	25720	9.21	ppb	#	78
62)	Dibenzofuran	7.435	168	322688	10.48	ppb		87
63)	2,4-Dinitrotoluene	7.435	165	72166	10.82	ppb		55
64)	2,3,4,6-Tetrachlorophenol	7.600	232	56947	10.18	ppb		97
65)	Diethylphthalate	7.744	149	240711	10.37	ppb		99
66)	Fluorene	7.846	166	252511	10.49	ppb		98
67)	4-Chlorophenyl-phenyle...	7.862	204	119446	10.60	ppb		99
68)	4-Nitroaniline	7.889	138	64014	10.34	ppb		100
70)	4,6-Dinitro-2-methylph...	7.921	198	30521	7.37	ppb		92
71)	n-Nitrosodiphenylamine	8.006	169	168267	10.30	ppb		98
72)	1,2-Diphenylhydrazine	8.049	77	261058	10.27	ppb		96
74)	4-Bromophenyl-phenylether	8.450	248	66913	10.10	ppb		96
75)	Hexachlorobenzene	8.519	284	80977	10.25	ppb		97
76)	Pentachlorophenol	8.770	266	77145	19.20	ppb		97
77)	Phenanthrene	9.021	178	386892	10.31	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	375513	10.33	ppb	99
79) Carbazole	9.304	167	401956	10.67	ppb	100
80) Di-n-butylphthalate	9.812	149	382808	10.35	ppb	100
81) Fluoranthene	10.613	202	377386	10.33	ppb	99
82) Octadecane	8.914	57	199420	11.26	ppb	94
84) Pyrene	10.928	202	409436	10.15	ppb	96
85) Butyl stearate	12.104	56	102757	9.44	ppb	96
87) Butylbenzylphthalate	11.959	149	150824	9.27	ppb	95
88) Benzo[a]anthracene	12.718	228	360526	9.91	ppb	99
89) 3,3'-Dichlorobenzidine	12.718	252	123498	10.33	ppb	99
90) Chrysene	12.771	228	362519	10.04	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.873	149	206398	9.34	ppb	100
93) Di-n-octylphthalate	13.829	149	321229	9.95	ppb	98
94) Benzo[b]fluoranthene	14.267	252	369086	10.54	ppb	98
95) Benzo[k]fluoranthene	14.305	252	377874	10.45	ppb	99
96) Benzo[a]pyrene	14.700	252	321732	10.34	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.271	276	311595	10.39	ppb	97
98) Dibenz(a,h)acridine	15.929	279	310870	10.64	ppb	99
99) Dibenz[a,h]anthracene	16.308	278	329853	10.43	ppb	98
100) 7,12-Dimethylbenz(a)an...	14.273	256	118704	8.71	ppb	96
101) Benzo[g,h,i]perylene	16.693	276	323624	10.35	ppb	96

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

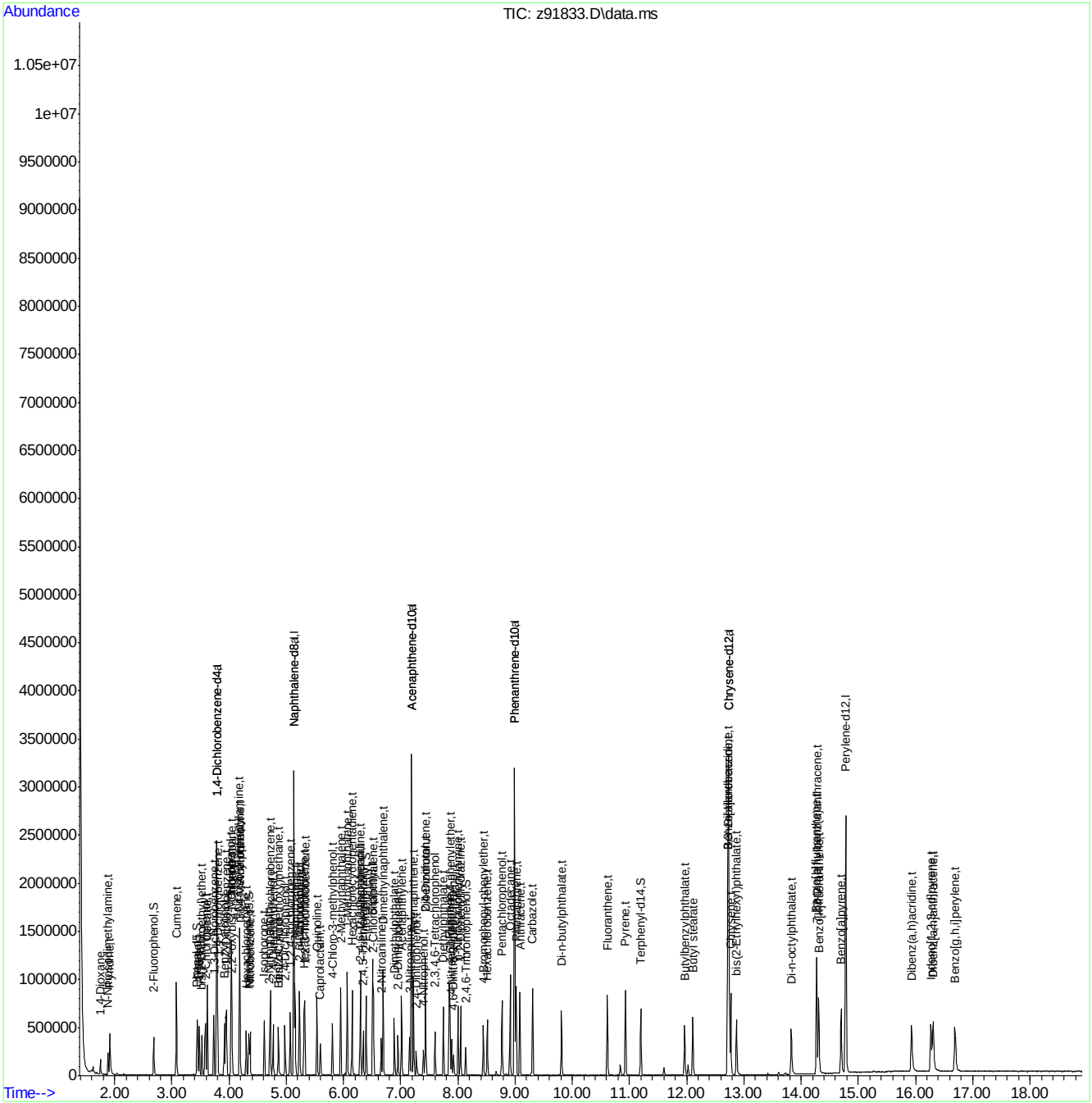
9.6.92

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91833.D
Acq On : 24 May 2014 1:53 pm
Operator : ashleyv
Sample : IC4569-10
Misc : op73791,ez4569
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 09:56:20 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 15:05:33 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91851.D
Acq On : 27 May 2014 11:28 am
Operator : ashleyv
Sample : IC4571-100
Misc : op73791,ez4571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

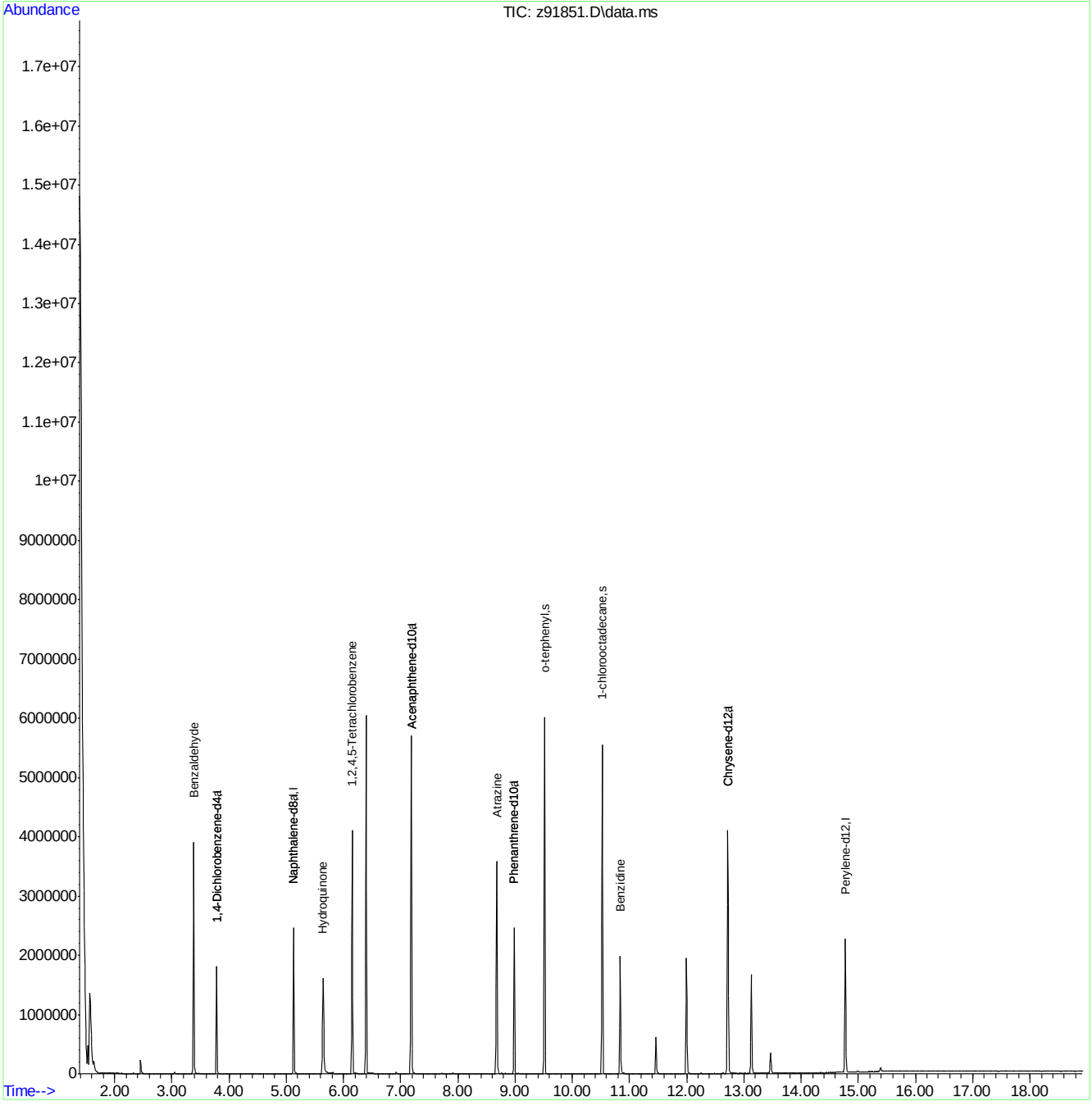
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	266639	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1071748	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	559571	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1000276	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1012159	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	953261	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	266639	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1000276	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1012159	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	559571	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1071748	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%		
106) o-terphenyl	9.518	230	1379606	135.49	ppb	0.00
Spiked Amount 50.000			Recovery =	270.98%		
109) 1-chlorooctadecane	10.528	57	845609	129.61	ppb	0.00
Spiked Amount 50.000			Recovery =	259.22%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	684590	131.97	ppb	86
105) Atrazine	8.685	215	260088	135.59	ppb #	77
108) Benzidine	10.837	184	875234	129.70	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	725743	138.03	ppb	98
113) Hydroquinone	5.645	110	1000859	127.80	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91851.D
Acq On : 27 May 2014 11:28 am
Operator : ashleyv
Sample : IC4571-100
Misc : op73791,ez4571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 15:00:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91852.D
Acq On : 27 May 2014 11:54 am
Operator : ashleyv
Sample : IC4571-80
Misc : op73791,ez4571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 15:01:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

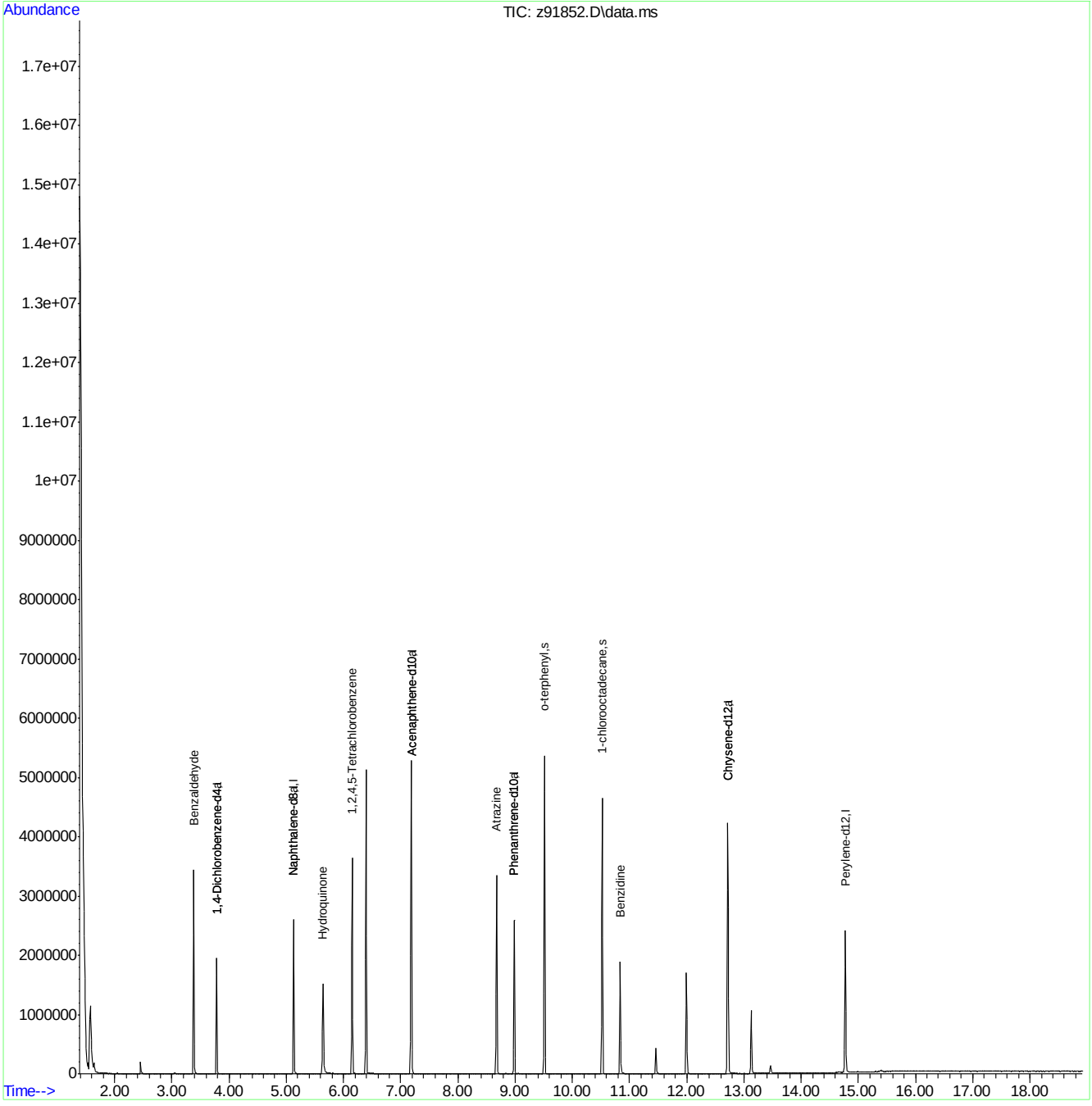
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	281976	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1135711	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	601679	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1051655	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1065853	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	998785	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	281976	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1051655	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1065853	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	601679	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1135711	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%		
106) o-terphenyl	9.513	230	1189924	111.15	ppb	0.00
Spiked Amount 50.000			Recovery =	222.30%		
109) 1-chlorooctadecane	10.528	57	725207	105.56	ppb	0.00
Spiked Amount 50.000			Recovery =	211.12%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	601832	109.71	ppb	85
105) Atrazine	8.679	215	221872	110.02	ppb #	77
108) Benzidine	10.837	184	814793	114.66	ppb	99
111) 1,2,4,5-Tetrachloroben...	6.152	216	631600	111.71	ppb	99
113) Hydroquinone	5.639	110	837998	100.97	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91852.D
Acq On : 27 May 2014 11:54 am
Operator : ashleyv
Sample : IC4571-80
Misc : op73791,ez4571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 15:01:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67744

9.6.94

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91853.D
Acq On : 27 May 2014 12:19 pm
Operator : ashleyv
Sample : ICC4571-50
Misc : op73791,ez4571
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 15:16:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 15:11:47 2014
Response via : Initial Calibration

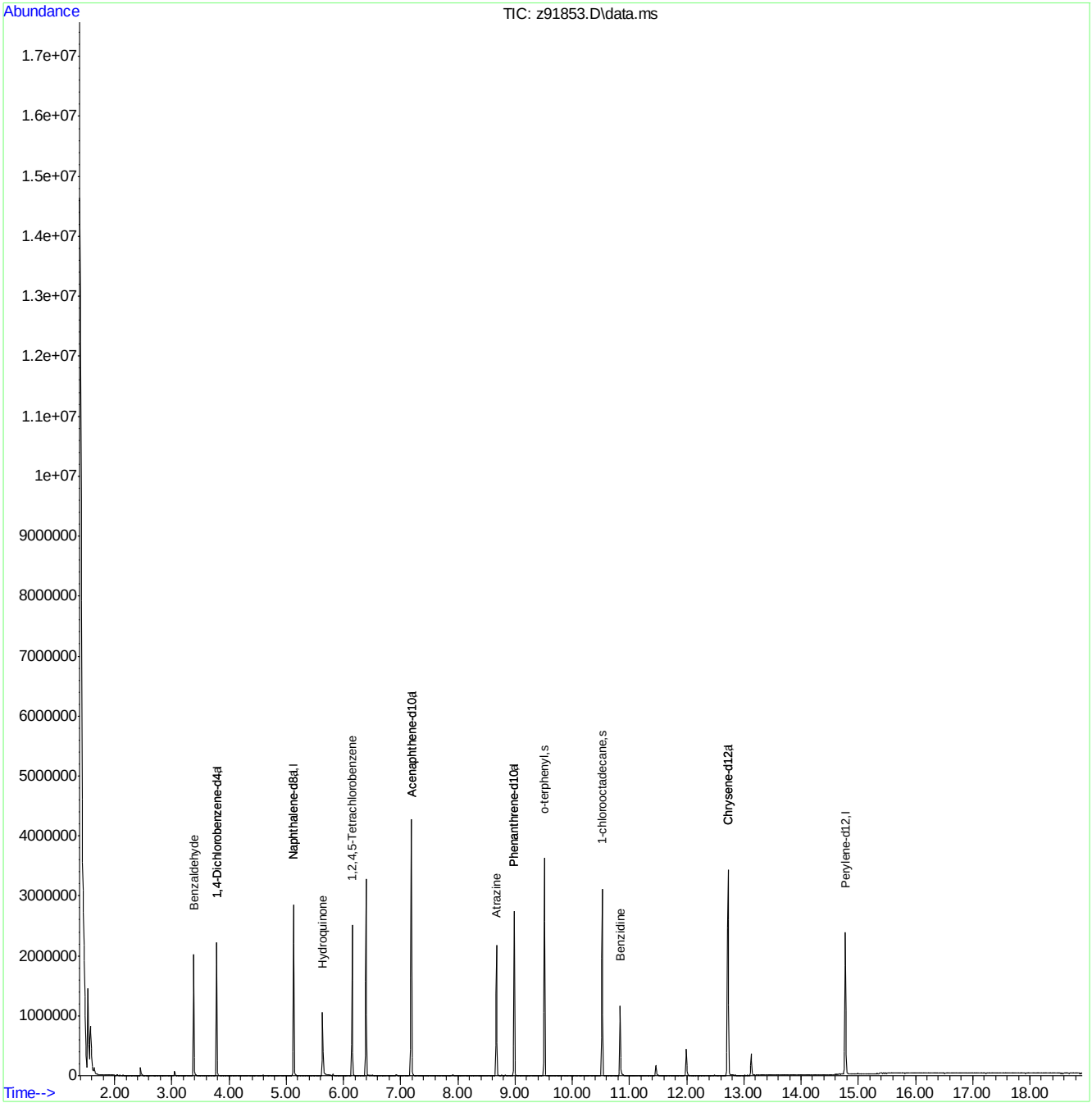
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	320910	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1253030	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	650323	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1105151	40.00	ppb	0.00
83) Chrysene-d12	12.724	240	1106854	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	1004915	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	320910	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1105151	40.00	ppb	0.00
107) Chrysene-d12a	12.724	240	1106854	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	650323	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1253030	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%		
106) o-terphenyl	9.513	230	754704	58.74	ppb	0.00
Spiked Amount 50.000			Recovery =	117.48%		
109) 1-chlorooctadecane	10.523	57	451930	72.70	ppb	0.00
Spiked Amount 50.000			Recovery =	145.40%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	352302	50.48	ppb	85
105) Atrazine	8.679	215	135190	73.45	ppb #	76
108) Benzidine	10.838	184	501121	52.26	ppb	97
111) 1,2,4,5-Tetrachloroben...	6.153	216	412061	56.36	ppb	99
113) Hydroquinone	5.634	110	460600	74.79	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91853.D
Acq On : 27 May 2014 12:19 pm
Operator : ashleyv
Sample : ICC4571-50
Misc : op73791,ez4571
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 15:16:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 15:11:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91854.D
Acq On : 27 May 2014 12:45 pm
Operator : ashleyv
Sample : IC4571-25
Misc : op73791,ez4571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 14:45:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

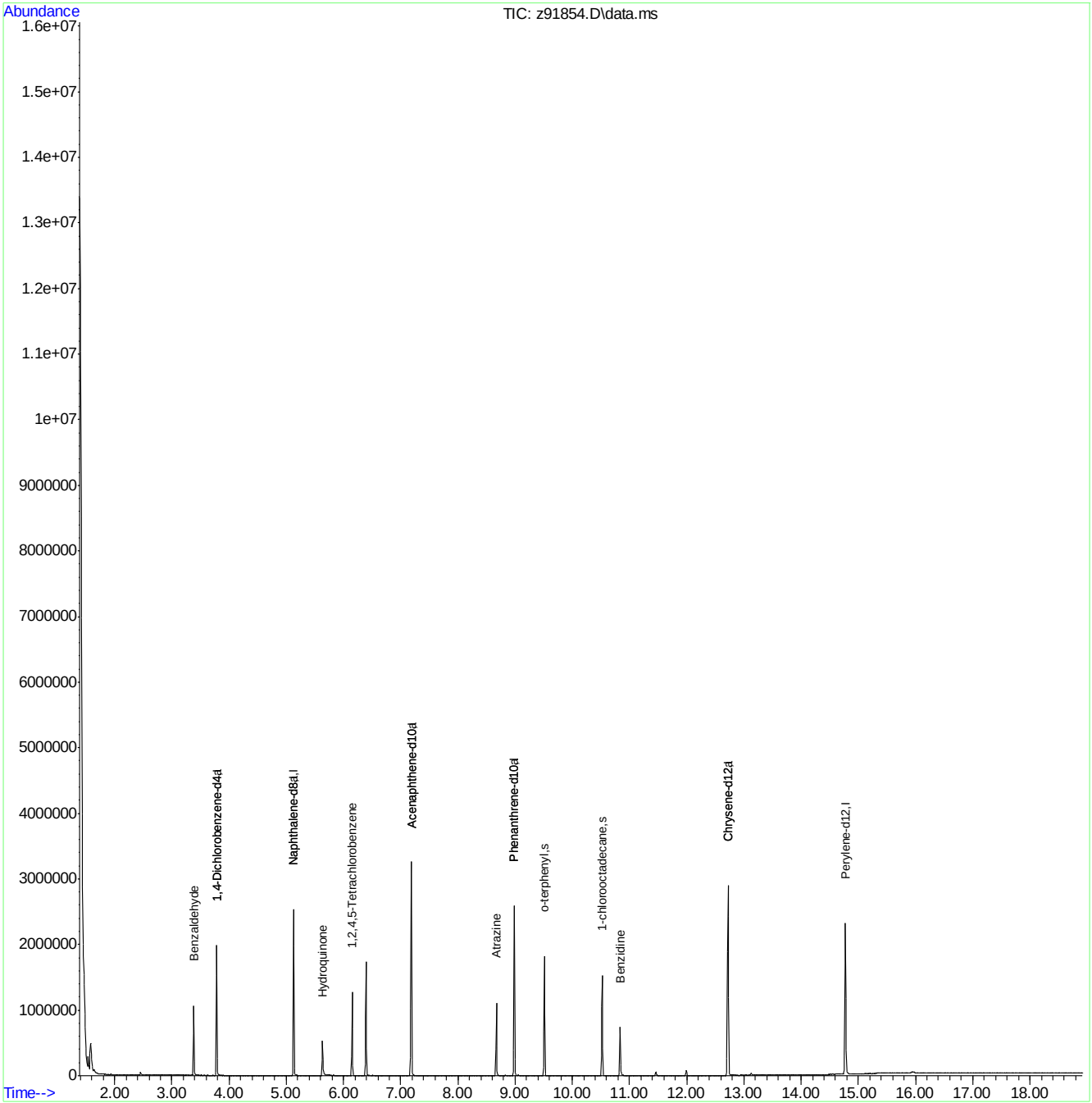
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	285903	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1112578	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	608381	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1050583	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1084299	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	983784	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	285903	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1050583	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1084299	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	608381	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1112578	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%		
106) o-terphenyl	9.513	230	379572	35.49	ppb	0.00
Spiked Amount 50.000			Recovery =	70.98%		
109) 1-chlorooctadecane	10.522	57	214112	30.63	ppb	0.00
Spiked Amount 50.000			Recovery =	61.26%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	184226	33.12	ppb	84
105) Atrazine	8.674	215	63849	31.69	ppb #	77
108) Benzidine	10.837	184	324468	44.88	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	207906	36.37	ppb	99
113) Hydroquinone	5.634	110	226891	27.91	ppb	76

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91854.D
Acq On : 27 May 2014 12:45 pm
Operator : ashleyv
Sample : IC4571-25
Misc : op73791,ez4571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 14:45:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91855.D
Acq On : 27 May 2014 1:11 pm
Operator : ashleyv
Sample : IC4571-10
Misc : op73791,ez4571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 14:44:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration

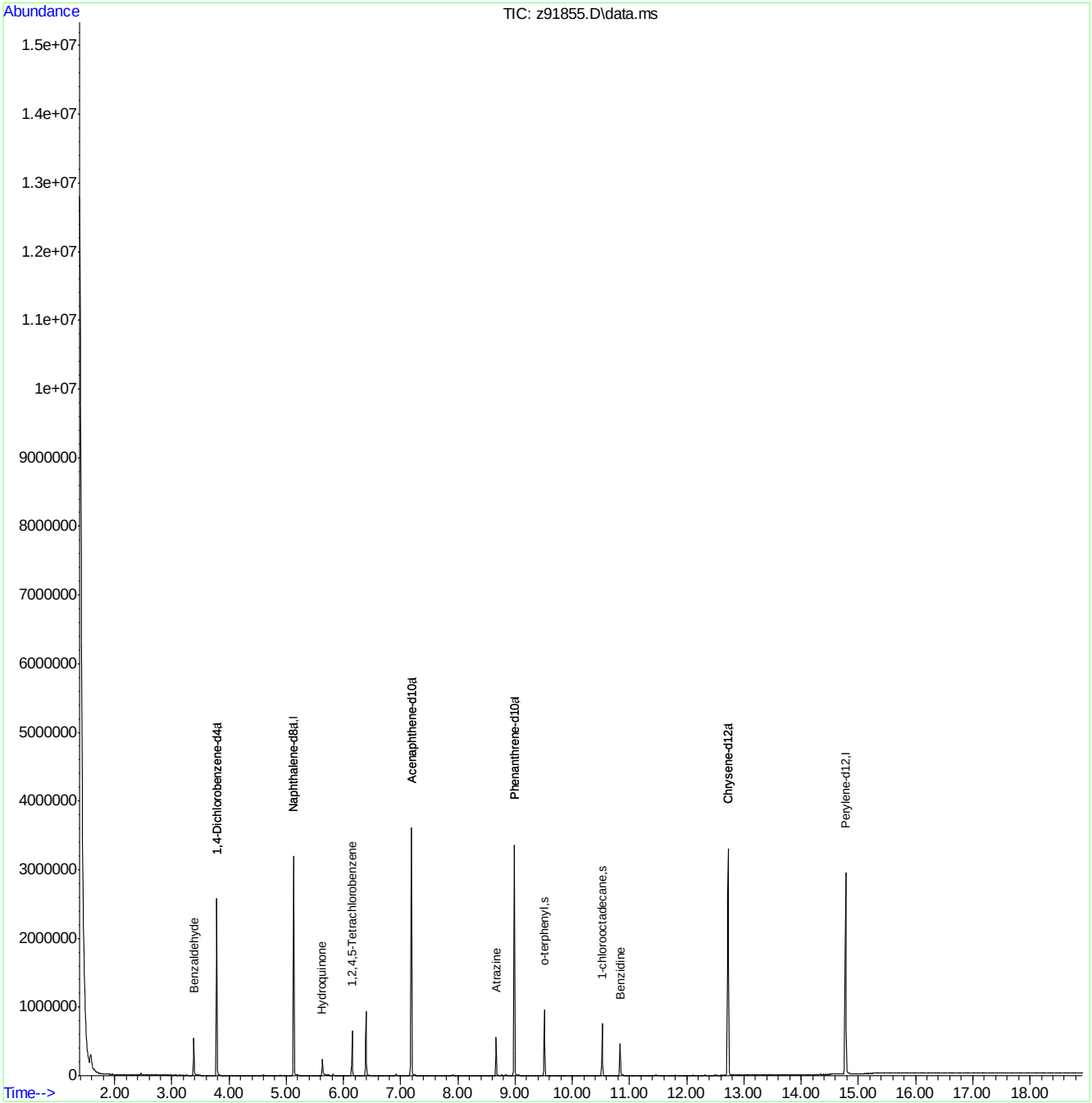
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	362717	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1431322	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	776012	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1320807	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1351947	40.00	ppb	-0.01
92) Perylene-d12	14.780	264	1249118	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	362717	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1320807	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1351947	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	776012	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1431322	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%		
106) o-terphenyl	9.512	230	195472	14.54	ppb	0.00
Spiked Amount 50.000			Recovery =	29.08%		
109) 1-chlorooctadecane	10.522	57	103343	11.86	ppb	0.00
Spiked Amount 50.000			Recovery =	23.72%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	98580	13.97	ppb	84
105) Atrazine	8.668	215	30198	11.92	ppb #	73
108) Benzidine	10.837	184	208751	23.16	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	106463	14.60	ppb	99
113) Hydroquinone	5.629	110	99790	9.54	ppb	80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91855.D
Acq On : 27 May 2014 1:11 pm
Operator : ashleyv
Sample : IC4571-10
Misc : op73791,ez4571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 14:44:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 14:41:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91856.D
Acq On : 27 May 2014 1:36 pm
Operator : ashleyv
Sample : IC4571-5
Misc : op73791,ez4571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 10:21:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration

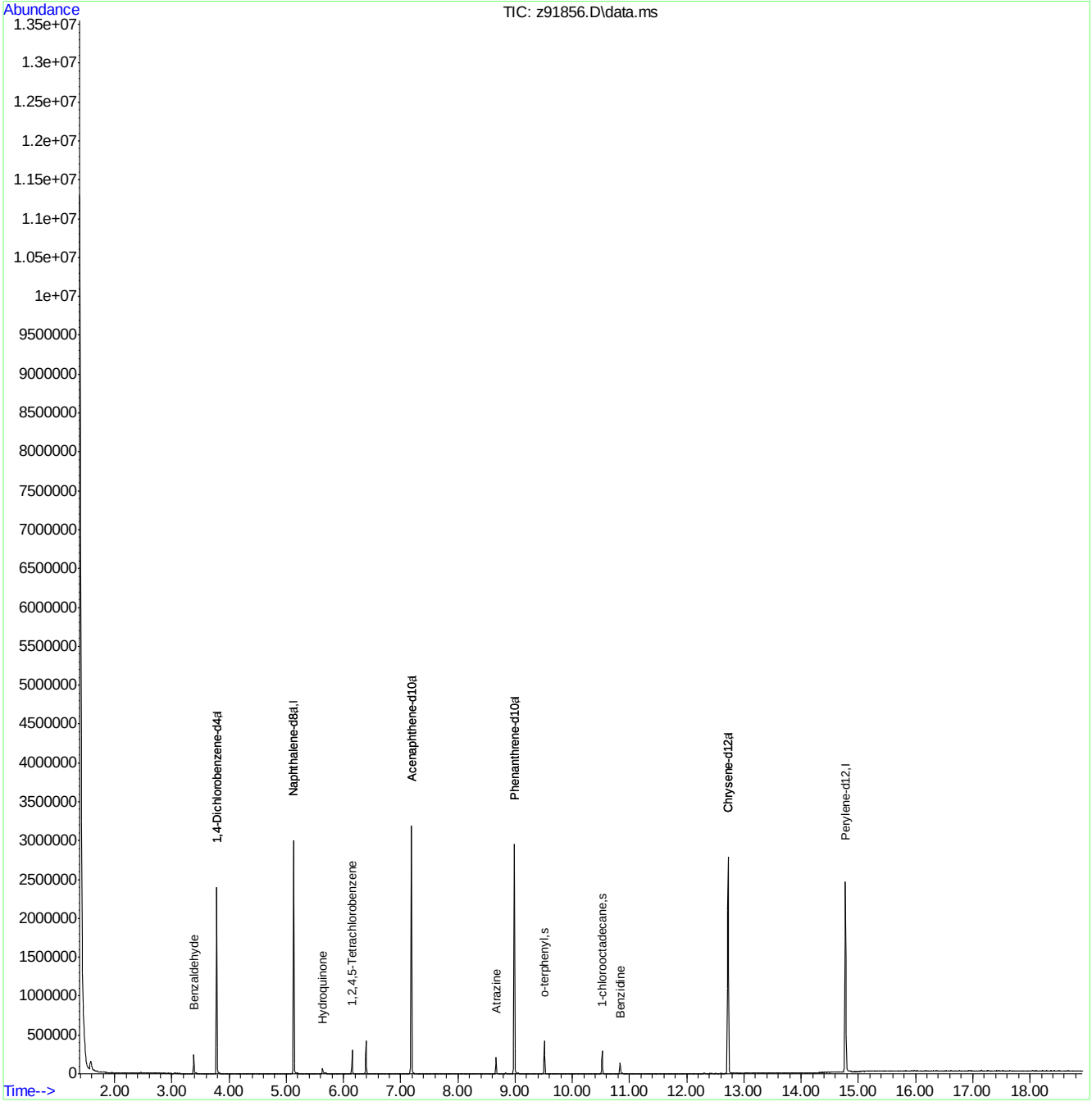
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	337946	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1317498	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	715543	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1200046	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1175079	40.00	ppb	-0.01
92) Perylene-d12	14.780	264	1061303	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	337946	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1200046	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1175079	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	715543	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1317498	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%		
106) o-terphenyl	9.512	230	86977	5.83	ppb	0.00
Spiked Amount 50.000			Recovery =	11.66%		
109) 1-chlorooctadecane	10.522	57	38567	4.55	ppb	0.00
Spiked Amount 50.000			Recovery =	9.10%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	45262	5.79	ppb	84
105) Atrazine	8.668	215	10994	4.27	ppb #	75
108) Benzidine	10.837	184	67431	5.59	ppb	96
111) 1,2,4,5-Tetrachloroben...	6.152	216	49317	5.80	ppb	99
113) Hydroquinone	5.634	110	30155	3.04	ppb	76

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91856.D
Acq On : 27 May 2014 1:36 pm
Operator : ashleyv
Sample : IC4571-5
Misc : op73791,ez4571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 10:21:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91857.D
Acq On : 27 May 2014 2:01 pm
Operator : ashleyv
Sample : IC4571-2
Misc : op73791,ez4571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 30 11:46:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:46:13 2014
Response via : Initial Calibration

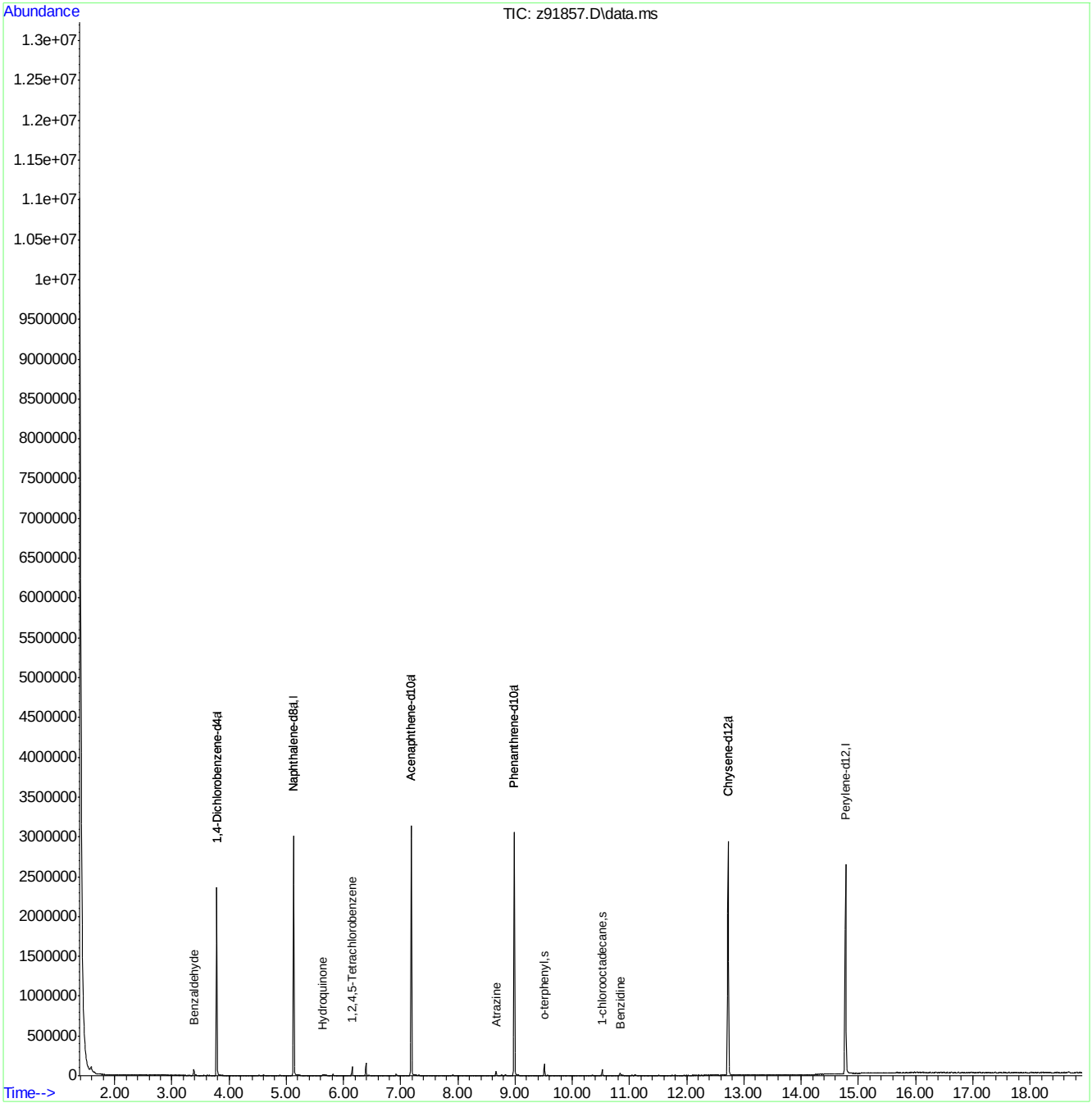
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	334351	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1309039	40.00	ppb	0.02
47) Acenaphthene-d10	7.184	164	722228	40.00	ppb	0.02
69) Phenanthrene-d10	8.984	188	1217625	40.00	ppb	0.02
83) Chrysene-d12	12.723	240	1241313	40.00	ppb	0.02
92) Perylene-d12	14.780	264	1140900	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	3.786	152	334351	40.00	ppb	0.02
104) Phenanthrene-d10a	8.984	188	1217625	40.00	ppb	0.02
107) Chrysene-d12a	12.723	240	1241313	40.00	ppb	0.02
110) Acenaphthene-d10a	7.184	164	722228	40.00	ppb	0.02
112) Naphthalene-d8a	5.127	136	1309039	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	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%		
106) o-terphenyl	9.513	230	30690	2.03	ppb	0.00
Spiked Amount 50.000			Recovery =	4.06%		
109) 1-chlorooctadecane	10.522	57	11226	1.25	ppb	0.00
Spiked Amount 50.000			Recovery =	2.50%		
Target Compounds						Qvalue
103) Benzaldehyde	3.385	105	16504	2.13	ppb	# 81
105) Atrazine	8.669	215	3215	2.74	ppb	# 76
108) Benzidine	10.838	184	18034	1.42	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.152	216	18444	2.15	ppb	94
113) Hydroquinone	5.640	110	7275	0.74	ppb	77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91857.D
Acq On : 27 May 2014 2:01 pm
Operator : ashleyv
Sample : IC4571-2
Misc : op73791,ez4571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 30 11:46:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569eph.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:46:13 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao 06/02/14 08:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91858.D
Acq On : 27 May 2014 2:27 pm
Operator : ashleyv
Sample : IC4571-1
Misc : op73791,ez4571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 30 16:14:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration

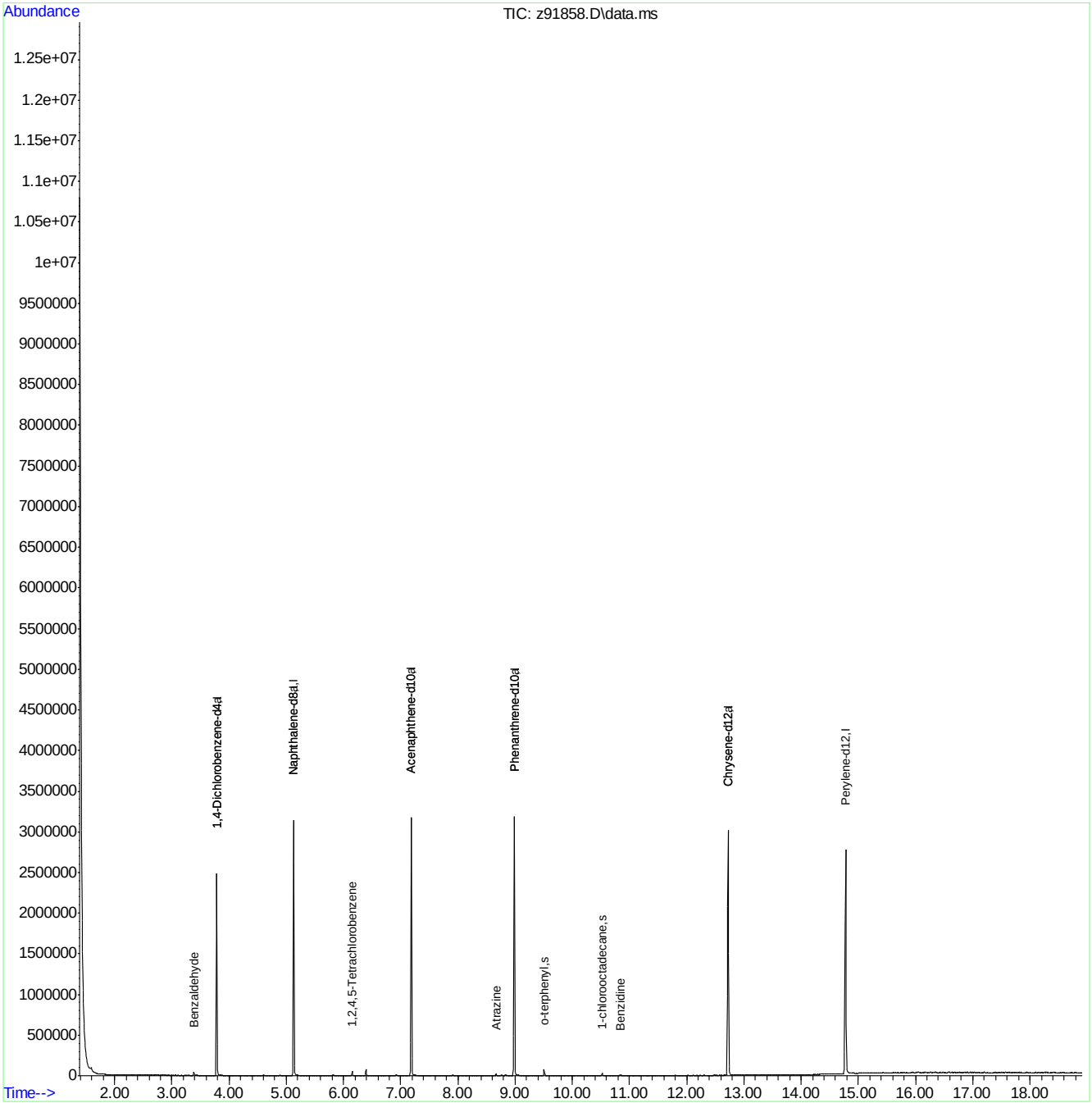
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	353182	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1390994	40.00	ppb	0.00
47) Acenaphthene-d10	7.183	164	750666	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1277825	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1296661	40.00	ppb	-0.01
92) Perylene-d12	14.780	264	1197937	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	353182	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1277825	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1296661	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.183	164	750666	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1390994	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%		
106) o-terphenyl	9.513	230	15963	1.00	ppb	0.00
Spiked Amount 50.000			Recovery =	2.00%		
109) 1-chlorooctadecane	10.522	57	4565	0.49	ppb	0.00
Spiked Amount 50.000			Recovery =	0.98%		
Target Compounds						Qvalue
103) Benzaldehyde	3.385	105	8110	0.99	ppb	89
105) Atrazine	8.669	215	1400	0.51	ppb #	71
108) Benzidine	10.843	184	7382	0.55	ppb	96
111) 1,2,4,5-Tetrachloroben...	6.152	216	10322	1.16	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91858.D
Acq On : 27 May 2014 2:27 pm
Operator : ashleyv
Sample : IC4571-1
Misc : op73791,ez4571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 30 16:14:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 09:14:47 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:	EZ4571-IC4571	**Method:**	SW846 8270D
Lab FileID:	Z91858.D	**Analyst approved:**	05/28/14 10:31 Ashley Royal
Injection Time:	05/27/14 14:27	**Supervisor approved:**	06/02/14 08:27 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		5.64	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860a.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4571-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 11:57:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

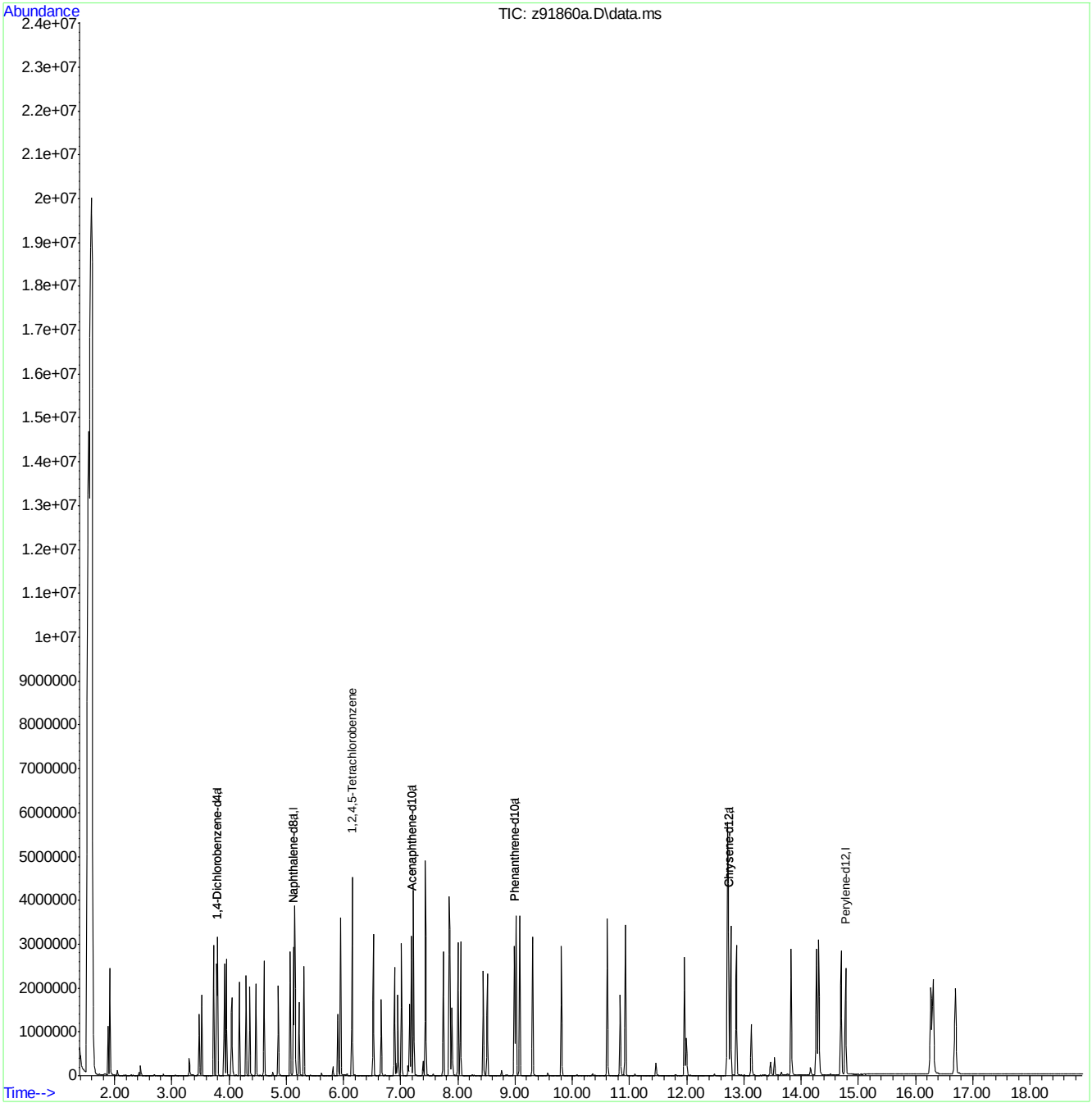
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1139853	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1051743	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348012	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1199705	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1139853	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	736698	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1356058	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%		
106) 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) 1,2,4,5-Tetrachloroben...	6.152	216	493386	56.35	ppb	98

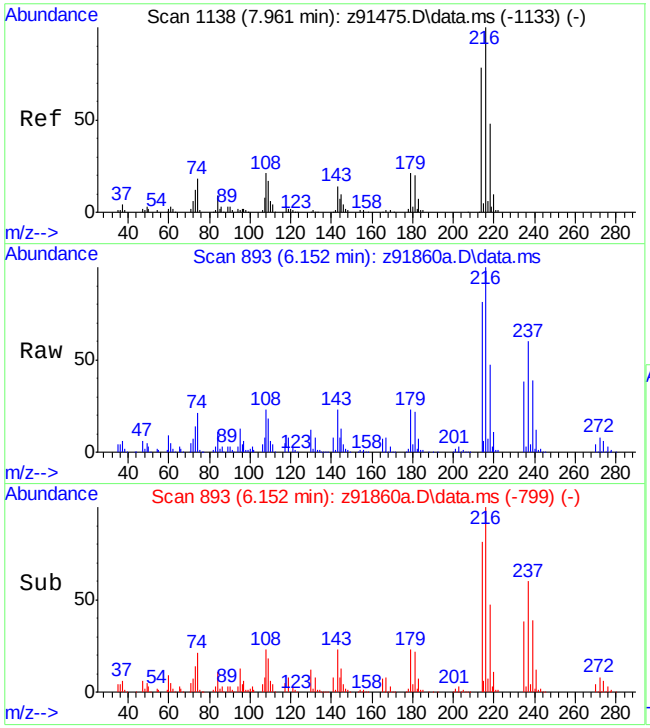
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860a.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4571-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 11:57:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

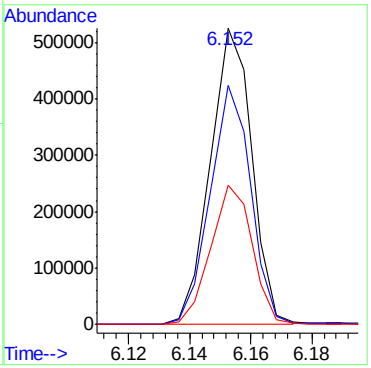




#111
1,2,4,5-Tetrachlorobenzene
Concen: 56.35 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860a.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:216 Resp: 493386

Ion	Ratio	Lower	Upper
216	100		
214	80.9	59.2	99.2
218	47.0	28.4	68.4



9.6.101

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	12.734	240	1139853	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1051743	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	348012	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1199705	40.00	ppb	0.00
107) Chrysene-d12a	12.734	240	1139853	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	736698	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1356058	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%		
106) 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	1.916	79	649789	42.09	ppb	99
4) N-Nitrosodimethylamine	1.889	74	359344	43.06	ppb	98
11) bis(2-Chloroethyl)ether	3.519	93	550572	46.73	ppb	99
14) 1,3-Dichlorobenzene	3.732	146	640882	44.40	ppb	98
15) 1,4-Dichlorobenzene	3.802	146	646965	43.76	ppb	98
16) Benzyl alcohol	3.919	108	371352	46.01	ppb	100
17) 1,2-Dichlorobenzene	3.957	146	618431	44.63	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.048	121	183350	47.10	ppb	98
22) n-Nitroso-di-n-propyla...	4.181	70	393100	46.29	ppb	96
23) Hexachloroethane	4.299	201	209426	45.83	ppb	97
26) Nitrobenzene	4.363	77	568747	43.05	ppb	95
28) Isophorone	4.614	82	981336	44.97	ppb	99
32) bis(2-Chloroethoxy)met...	4.860	93	644184	48.56	ppb	99
36) 1,2,4-Trichlorobenzene	5.068	180	505355	44.86	ppb	98
38) Naphthalene	5.153	128	1659492	43.88	ppb	99
42) Hexachlorobutadiene	5.308	225	277705	45.61	ppb	98
44) 2-Methylnaphthalene	5.955	141	914928	44.53	ppb	98
48) Hexachlorocyclopentadiene	6.152	237	258188	44.33	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

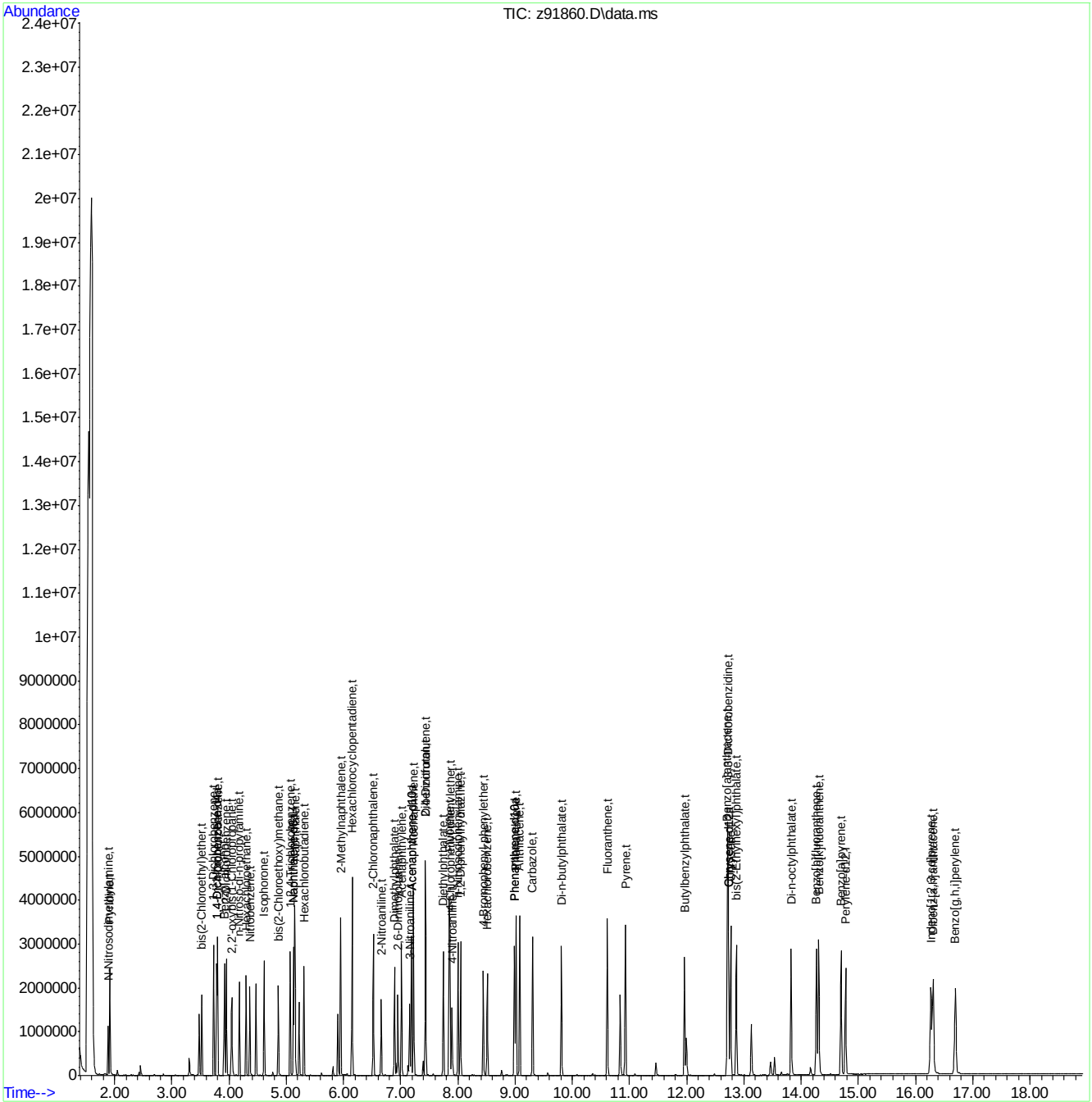
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	2-Chloronaphthalene	6.521	162	971325	44.32	ppb		98
54)	2-Nitroaniline	6.660	65	279347	46.48	ppb		92
55)	Dimethylphthalate	6.895	163	1067610	45.62	ppb		99
56)	Acenaphthylene	7.013	152	1367646	39.72	ppb		100
57)	2,6-Dinitrotoluene	6.954	165	231218	48.21	ppb		99
58)	3-Nitroaniline	7.157	138	255928	42.22	ppb		95
59)	Acenaphthene	7.226	153	1000997	45.95	ppb		99
62)	Dibenzofuran	7.435	168	1336051	44.21	ppb		85
63)	2,4-Dinitrotoluene	7.435	165	288048	44.00	ppb	#	49
65)	Diethylphthalate	7.744	149	1075149	47.19	ppb		100
66)	Fluorene	7.846	166	1088626	46.06	ppb		99
67)	4-Chlorophenyl-phenyle...	7.862	204	511306	46.23	ppb		96
68)	4-Nitroaniline	7.894	138	276131	45.45	ppb		93
71)	n-Nitrosodiphenylamine	8.006	169	736622	48.46	ppb		99
72)	1,2-Diphenylhydrazine	8.049	77	1139263	48.20	ppb		96
74)	4-Bromophenyl-phenylether	8.444	248	298366	48.44	ppb		90
75)	Hexachlorobenzene	8.514	284	338052	46.00	ppb		93
77)	Phenanthrene	9.016	178	1558276	44.66	ppb		99
78)	Anthracene	9.080	178	1578056	46.66	ppb		99
79)	Carbazole	9.304	167	1463099	41.76	ppb		99
80)	Di-n-butylphthalate	9.812	149	1750963	50.88	ppb		99
81)	Fluoranthene	10.613	202	1607725	47.32	ppb		97
84)	Pyrene	10.934	202	1670566	48.07	ppb		96
87)	Butylbenzylphthalate	11.959	149	731635	52.20	ppb		99
88)	Benzo[a]anthracene	12.713	228	1456967	46.48	ppb		100
89)	3,3'-Dichlorobenzidine	12.718	252	685540	66.53	ppb		99
90)	Chrysene	12.771	228	1504371	48.34	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.868	149	1018064	53.48	ppb		100
93)	Di-n-octylphthalate	13.824	149	1711925	48.95	ppb		100
94)	Benzo[b]fluoranthene	14.267	252	1490447	47.55	ppb		94
95)	Benzo[k]fluoranthene	14.310	252	1469644	45.40	ppb		97
96)	Benzo[a]pyrene	14.700	252	1339666	48.12	ppb		98
97)	Indeno[1,2,3-cd]pyrene	16.271	276	1304748	48.58	ppb		98
99)	Dibenz[a,h]anthracene	16.308	278	1383911	48.86	ppb		98
101)	Benzo[g,h,i]perylene	16.698	276	1374342	49.12	ppb		98

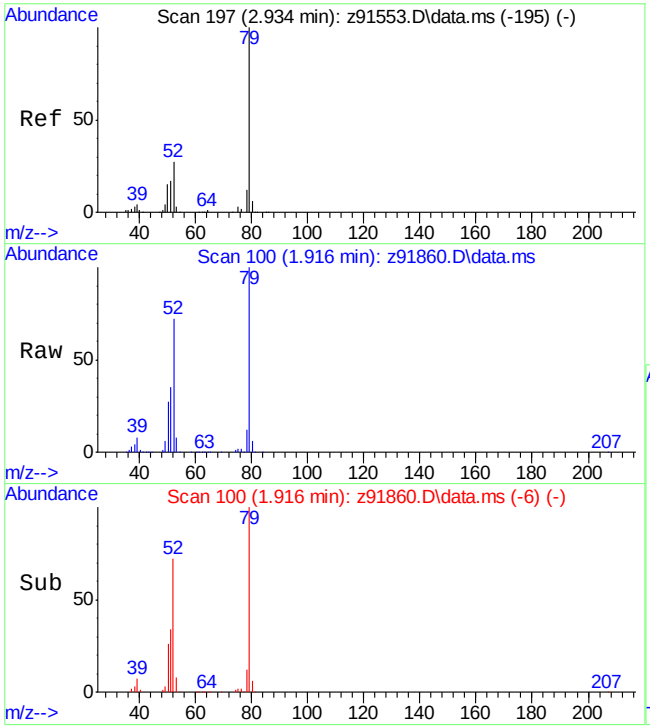
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91860.D
Acq On : 27 May 2014 3:17 pm
Operator : ashleyv
Sample : ICV4569-50, bn1
Misc : op73791,ez4571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 12:11:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

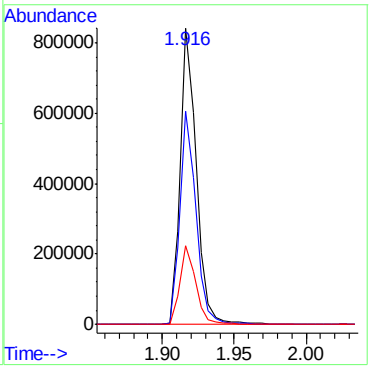


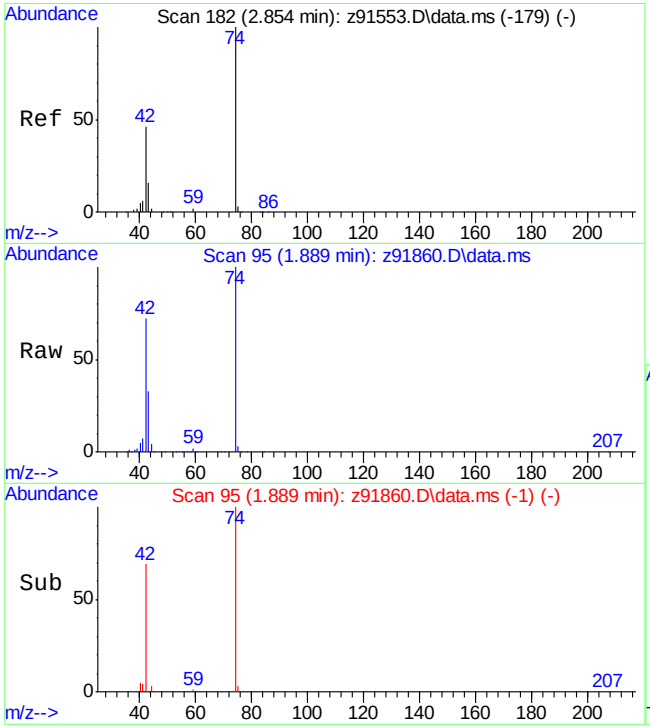


#3
Pyridine
Concen: 42.09 ppb
RT: 1.916 min Scan# 100
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 79 Resp: 649789

Ion	Ratio	Lower	Upper
79	100		
52	72.1	42.0	102.0
50	26.7	0.0	55.6

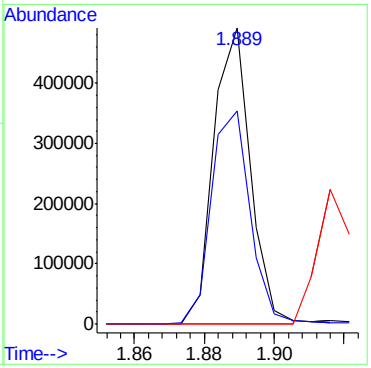


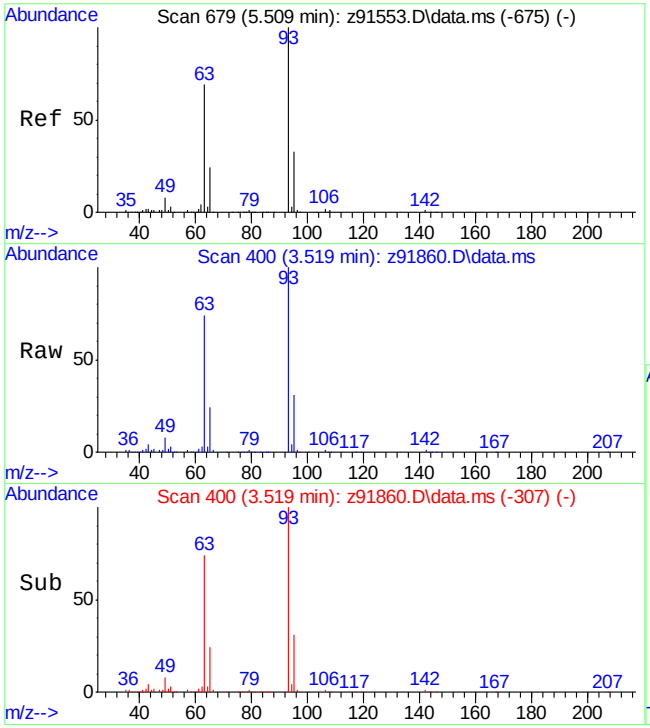


#4
N-Nitrosodimethylamine
Concen: 43.06 ppb
RT: 1.889 min Scan# 95
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 74 Resp: 359344

Ion	Ratio	Lower	Upper
74	100		
42	71.9	40.5	100.5
50	0.0	0.0	30.0

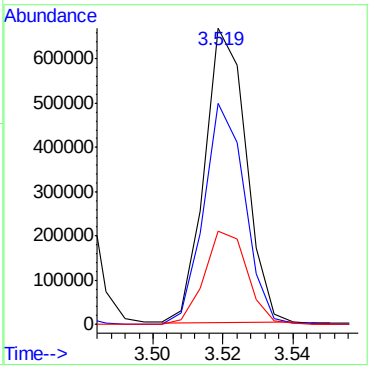


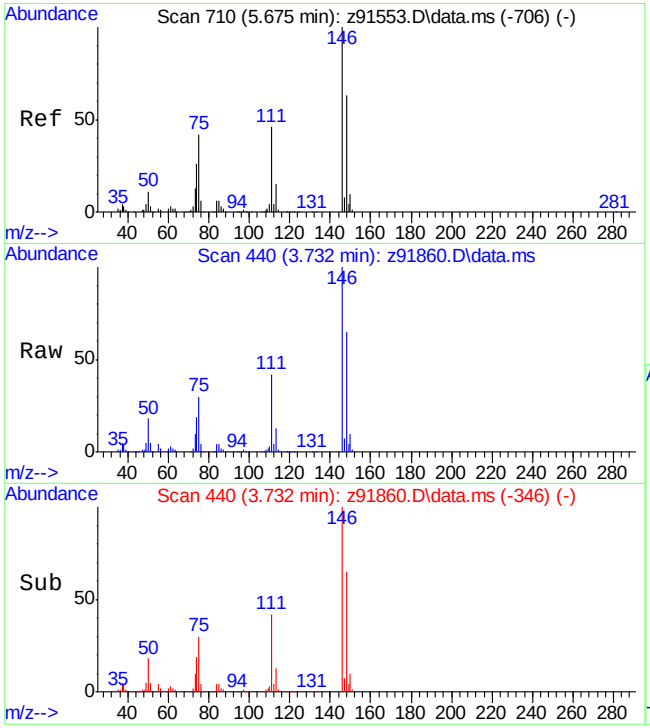


#11
bis(2-Chloroethyl)ether
Concen: 46.73 ppb
RT: 3.519 min Scan# 400
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 93 Resp: 550572

Ion	Ratio	Lower	Upper
93	100		
63	74.7	45.8	105.8
95	31.6	2.2	62.2

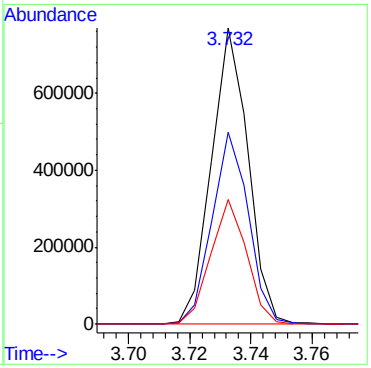


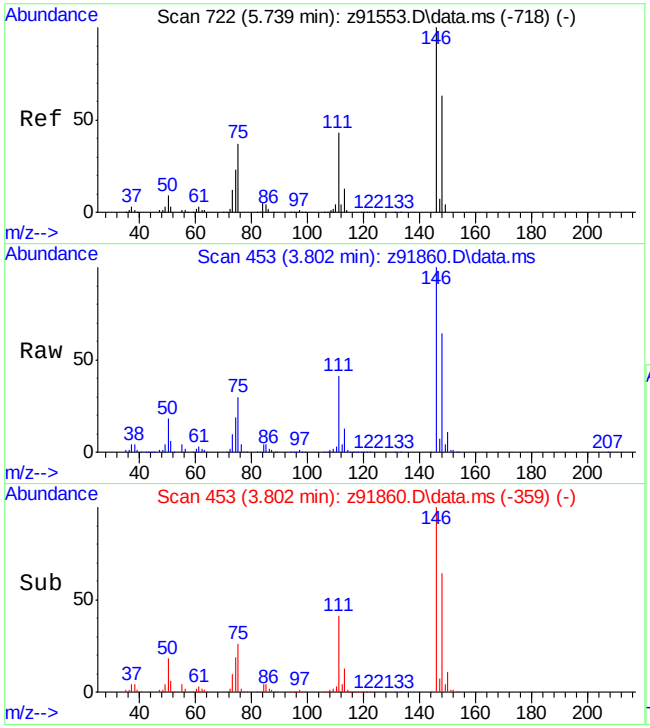


#14
1,3-Dichlorobenzene
Concen: 44.40 ppb
RT: 3.732 min Scan# 440
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 640882

Ion	Ratio	Lower	Upper
146	100		
148	64.6	32.9	92.9
111	41.9	11.7	71.7

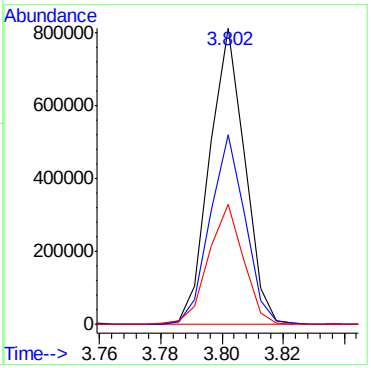


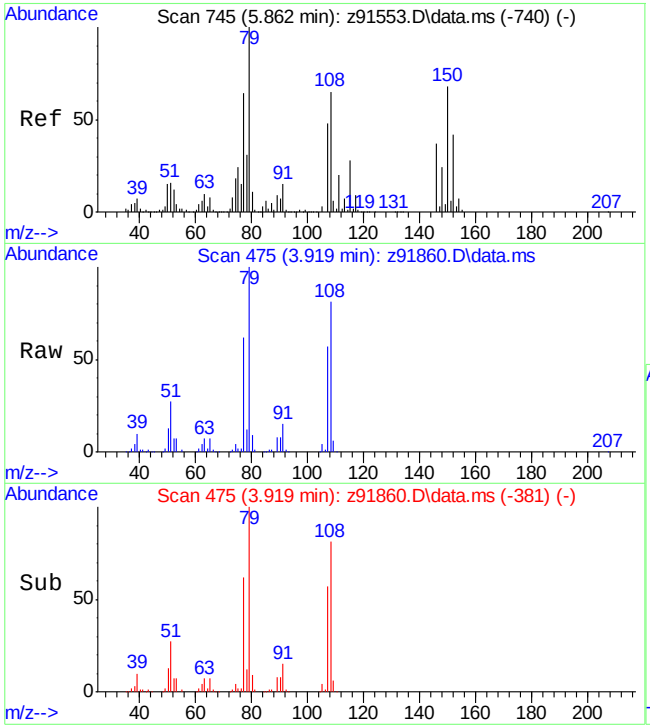


#15
1,4-Dichlorobenzene
Concen: 43.76 ppb
RT: 3.802 min Scan# 453
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 646965

Ion	Ratio	Lower	Upper
146	100		
148	64.1	32.7	92.7
111	40.4	9.6	69.6

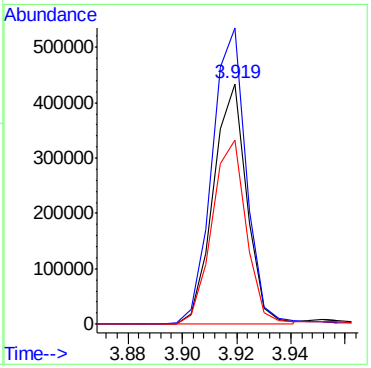


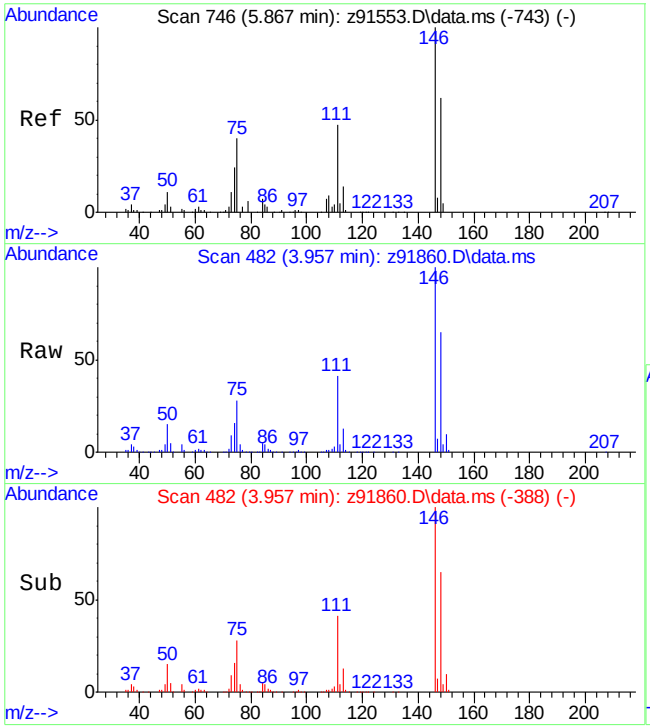


#16
Benzyl alcohol
Concen: 46.01 ppb
RT: 3.919 min Scan# 475
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:108 Resp: 371352

Ion	Ratio	Lower	Upper
108	100		
79	123.3	94.1	154.1
77	76.6	46.5	106.5

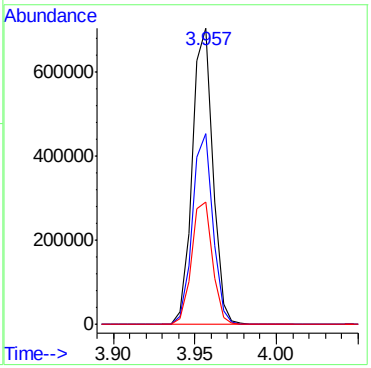


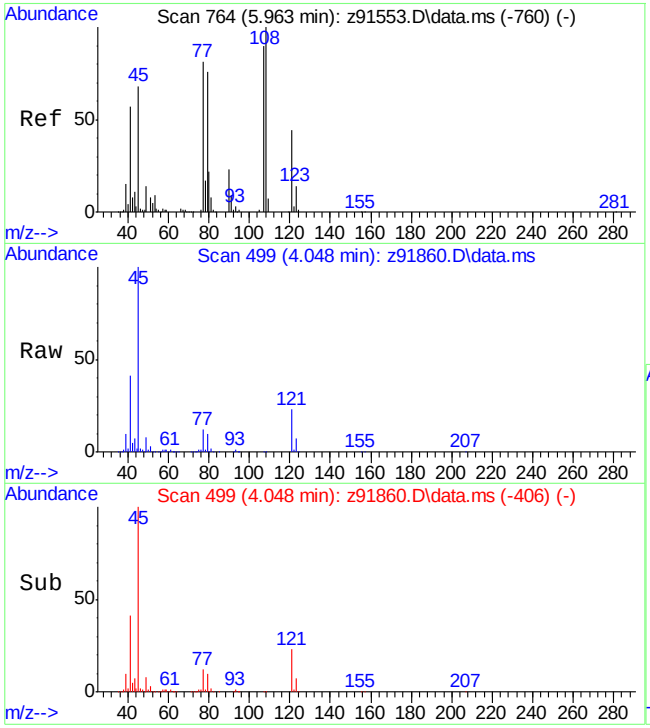


#17
1,2-Dichlorobenzene
Concen: 44.63 ppb
RT: 3.957 min Scan# 482
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:146 Resp: 618431

Ion	Ratio	Lower	Upper
146	100		
148	64.6	33.2	93.2
111	41.2	11.7	71.7

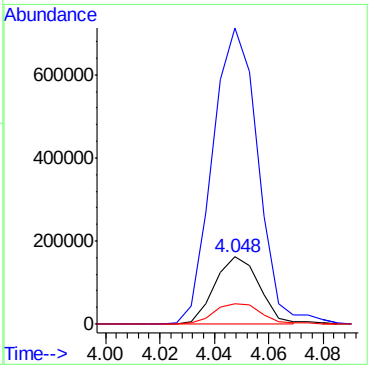


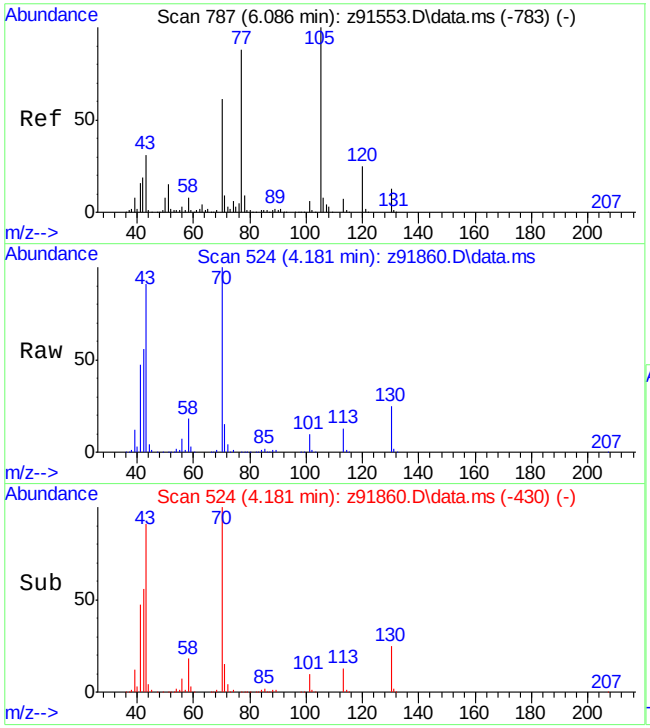


#20
2,2'-oxybis(1-Chloropropane
Concen: 47.10 ppb
RT: 4.048 min Scan# 499
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:121 Resp: 183350

Ion	Ratio	Lower	Upper
121	100		
45	439.5	403.5	463.5
123	30.8	1.8	61.8

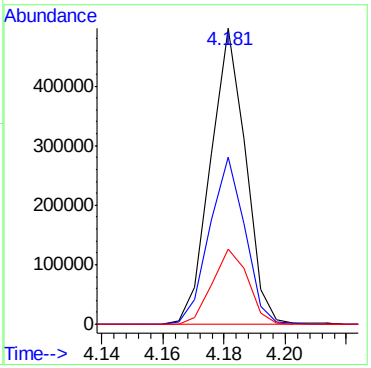


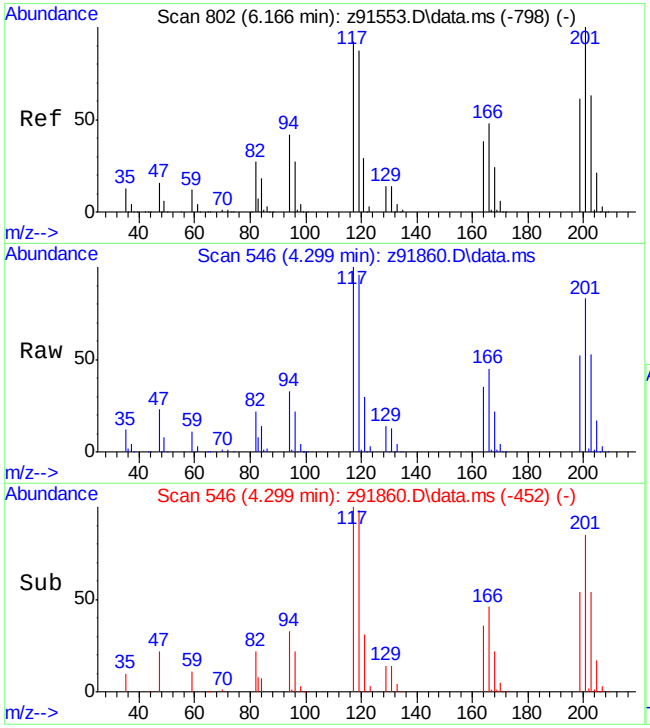


#22
n-Nitroso-di-n-propylamine
Concen: 46.29 ppb
RT: 4.181 min Scan# 524
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 70 Resp: 393100

Ion	Ratio	Lower	Upper
70	100		
42	56.4	23.2	83.2
130	25.2	0.0	56.4

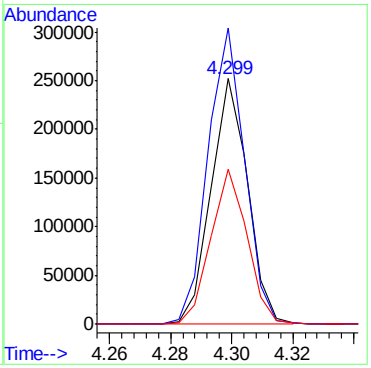


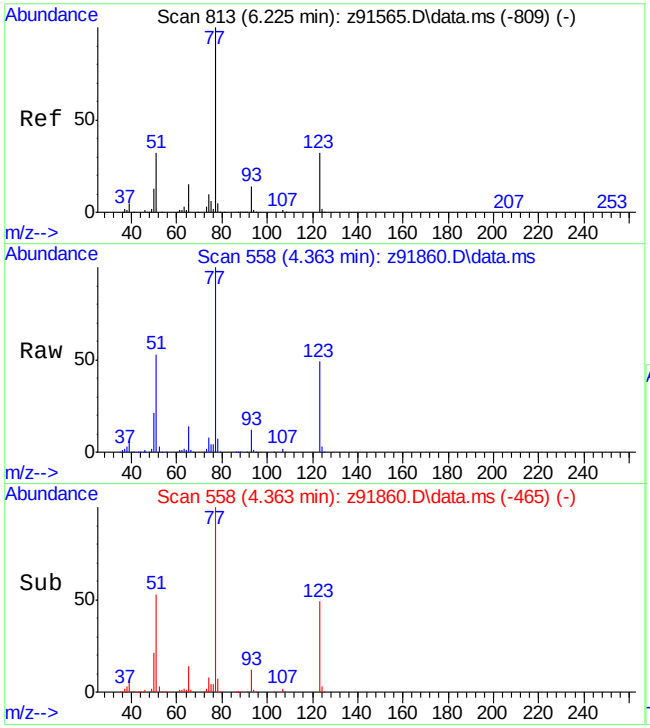


#23
Hexachloroethane
Concen: 45.83 ppb
RT: 4.299 min Scan# 546
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:201 Resp: 209426

Ion	Ratio	Lower	Upper
201	100		
117	120.7	94.4	154.4
199	62.9	35.0	95.0

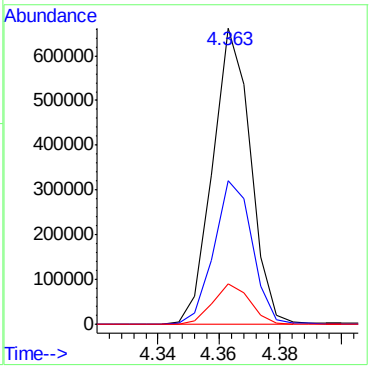


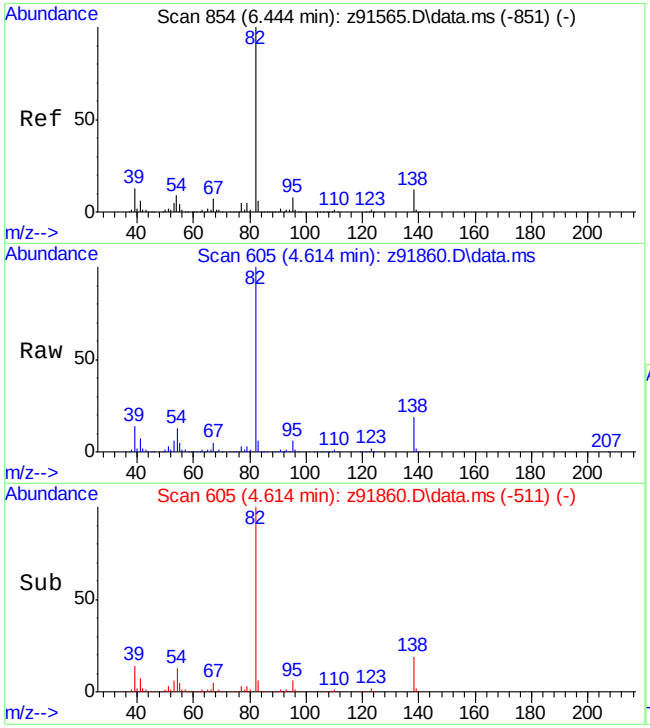


#26
Nitrobenzene
Concen: 43.05 ppb
RT: 4.363 min Scan# 558
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 77 Resp: 568747

Ion	Ratio	Lower	Upper
77	100		
123	48.7	22.5	82.5
65	13.8	0.0	43.2

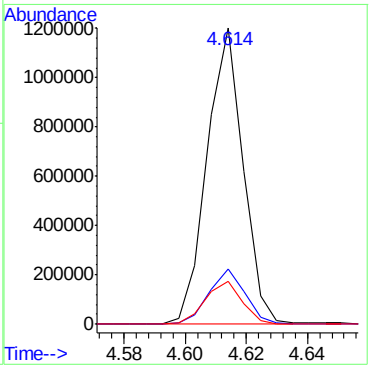


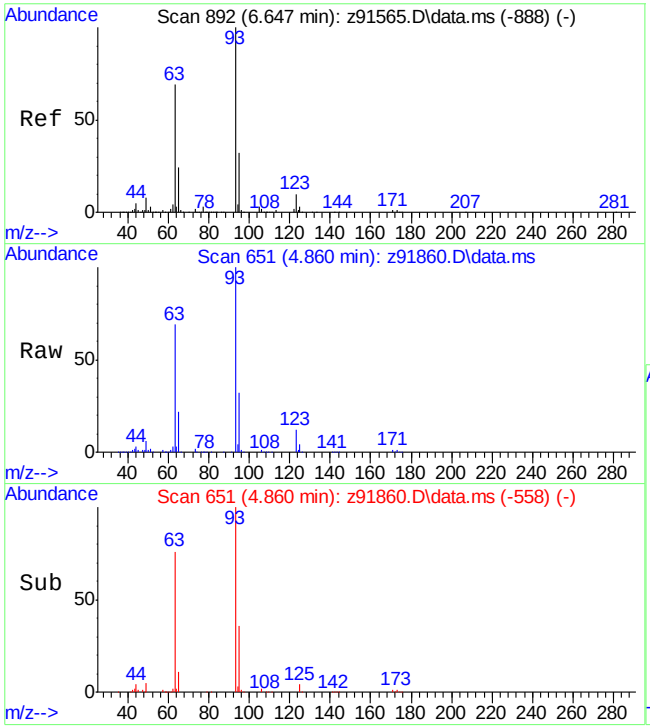


#28
Isophorone
Concen: 44.97 ppb
RT: 4.614 min Scan# 605
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 82 Resp: 981336

Ion	Ratio	Lower	Upper
82	100		
138	18.8	0.0	48.2
39	14.5	0.0	44.4

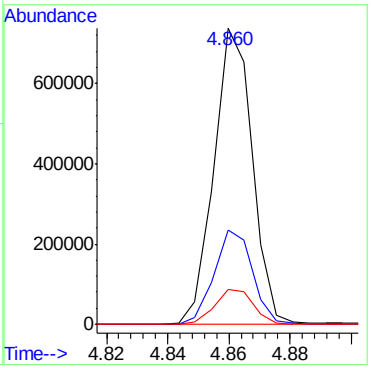


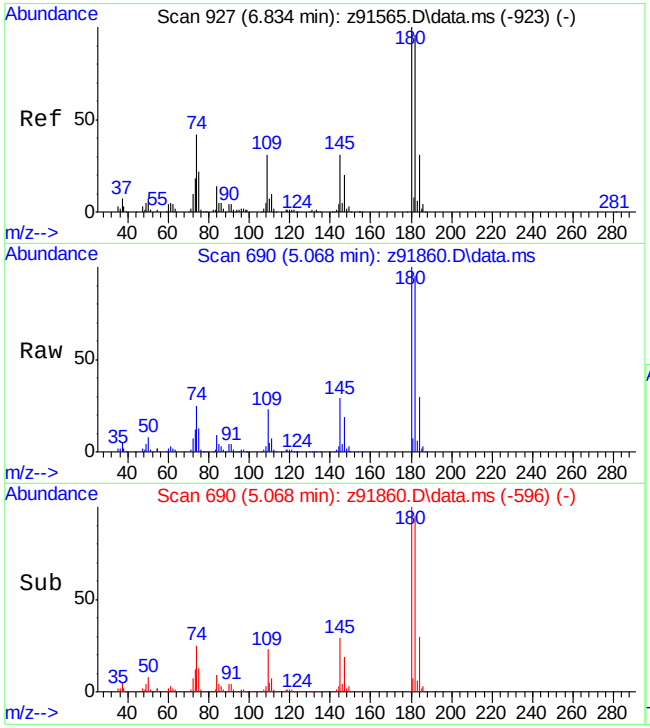


#32
bis(2-Chloroethoxy)methane
Concen: 48.56 ppb
RT: 4.860 min Scan# 651
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 93 Resp: 644184

Ion	Ratio	Lower	Upper
93	100		
95	31.8	2.1	62.1
123	11.9	0.0	41.3

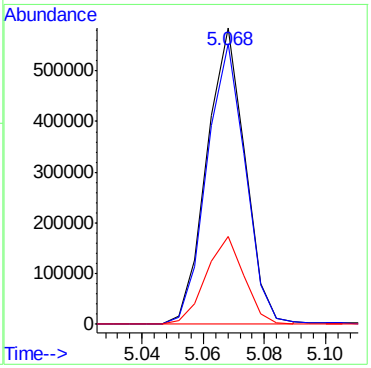


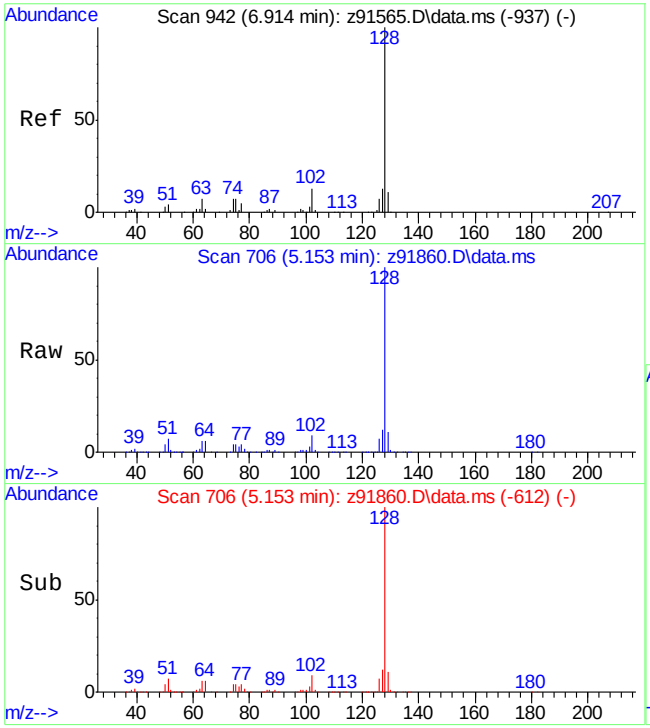


#36
1,2,4-Trichlorobenzene
Concen: 44.86 ppb
RT: 5.068 min Scan# 690
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:180 Resp: 505355

Ion	Ratio	Lower	Upper
180	100		
182	94.9	63.1	123.1
145	29.4	0.0	59.9

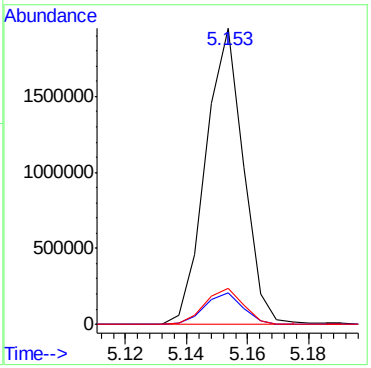


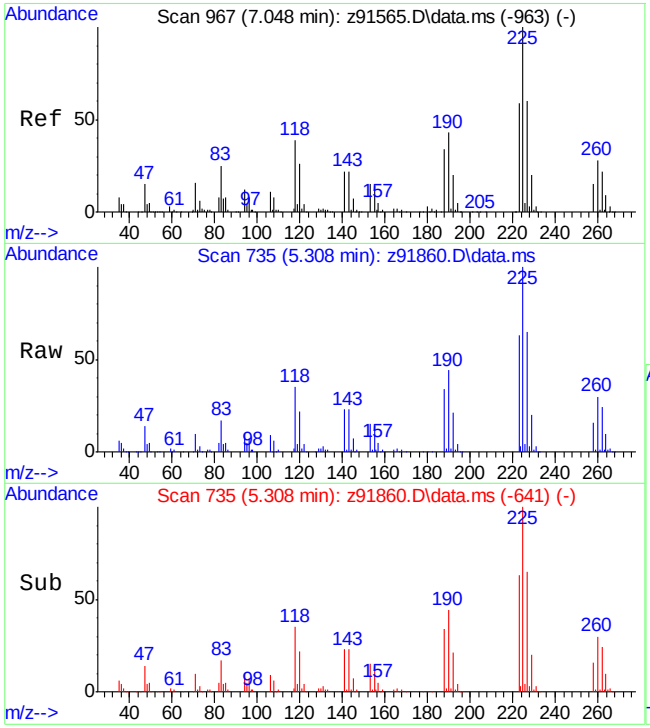


#38
Naphthalene
Concen: 43.88 ppb
RT: 5.153 min Scan# 706
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:128 Resp: 1659492

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.5
127	12.3	0.0	42.7

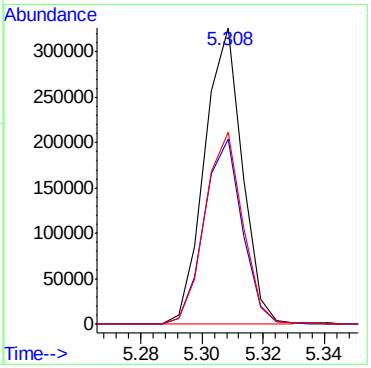


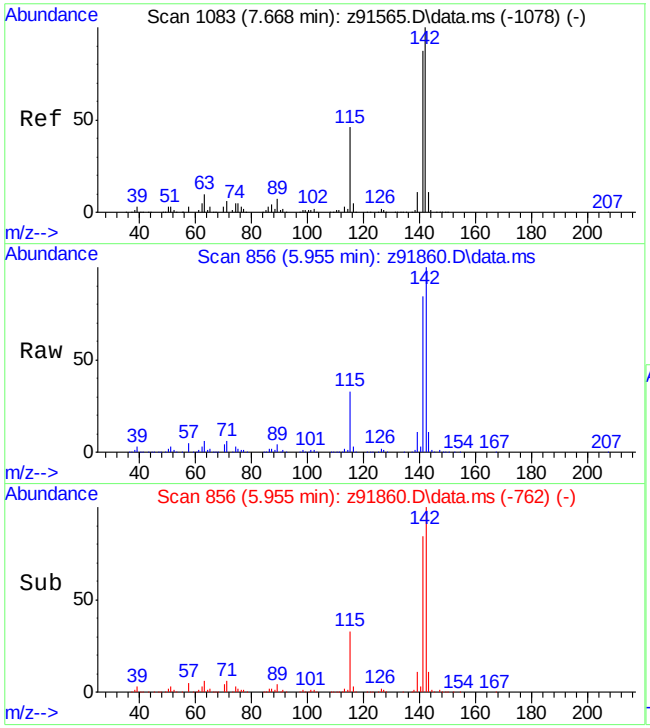


#42
Hexachlorobutadiene
Concen: 45.61 ppb
RT: 5.308 min Scan# 735
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:225 Resp: 277705

Ion	Ratio	Lower	Upper
225	100		
223	62.7	33.8	93.8
227	64.7	32.6	92.6

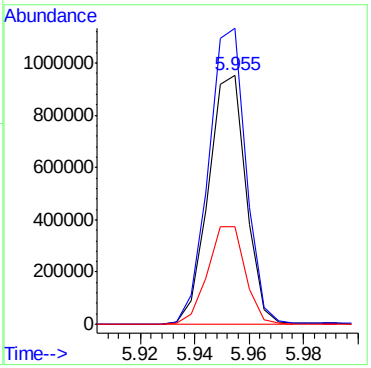


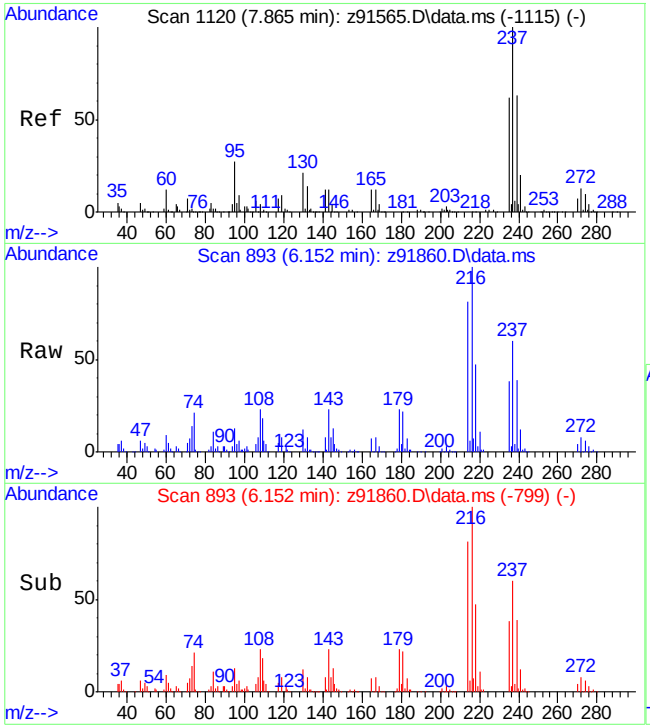


#44
2-Methylnaphthalene
Concen: 44.53 ppb
RT: 5.955 min Scan# 856
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:141 Resp: 914928

Ion	Ratio	Lower	Upper
141	100		
142	118.7	91.4	151.4
115	39.3	8.5	68.5

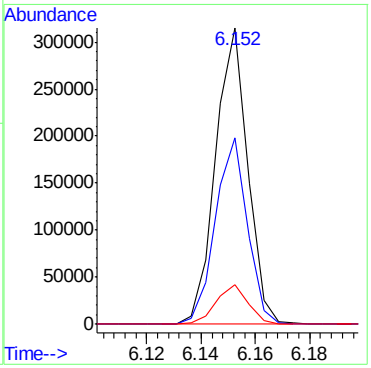


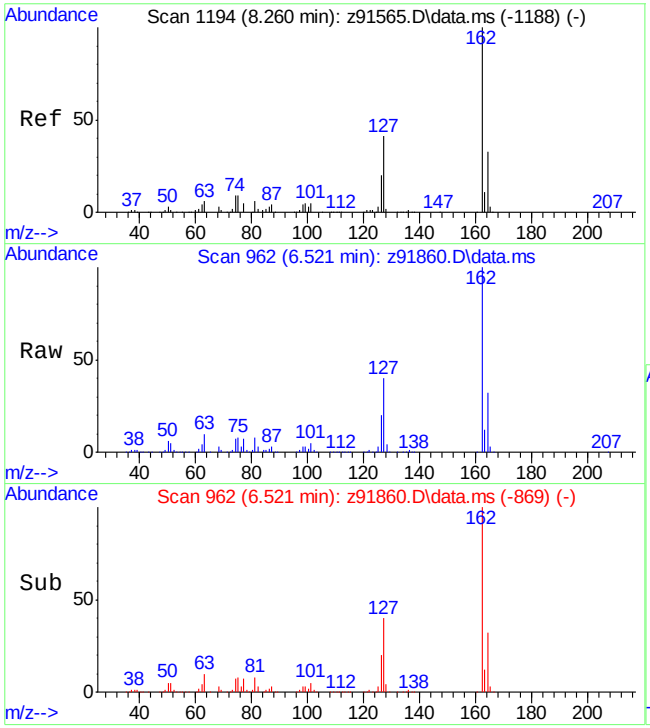


#48
Hexachlorocyclopentadiene
Concen: 44.33 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:237 Resp: 258188

Ion	Ratio	Lower	Upper
237	100		
235	62.8	33.9	93.9
272	13.2	0.0	43.3

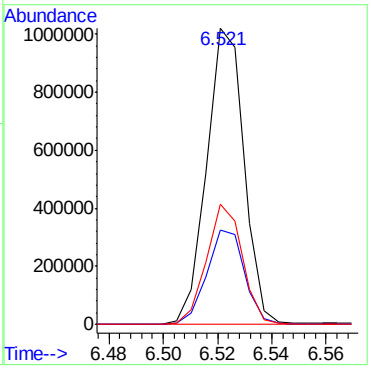


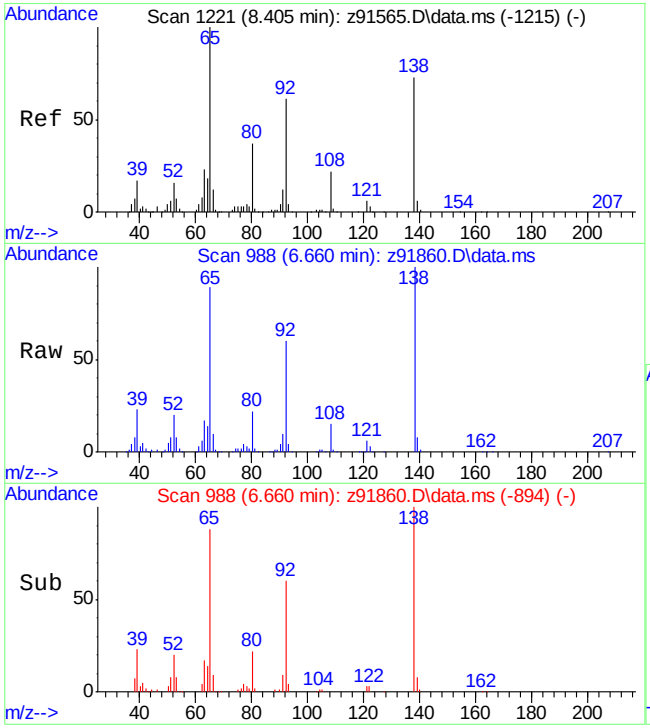


#52
2-Chloronaphthalene
Concen: 44.32 ppb
RT: 6.521 min Scan# 962
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:162 Resp: 971325

Ion	Ratio	Lower	Upper
162	100		
164	32.0	1.5	61.5
127	40.5	8.5	68.5

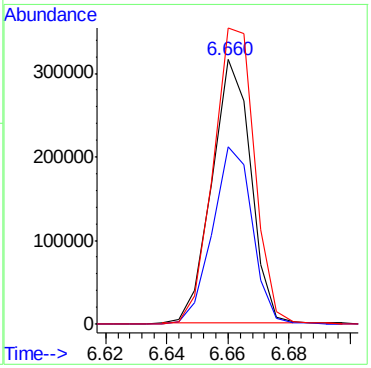


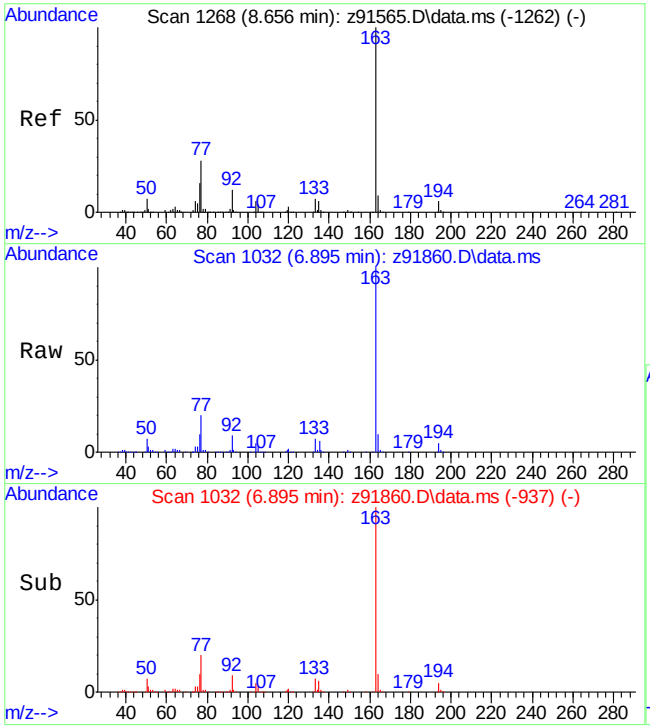


#54
2-Nitroaniline
Concen: 46.48 ppb
RT: 6.660 min Scan# 988
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 65 Resp: 279347

Ion	Ratio	Lower	Upper
65	100		
92	67.3	39.9	99.9
138	112.2	95.2	155.2

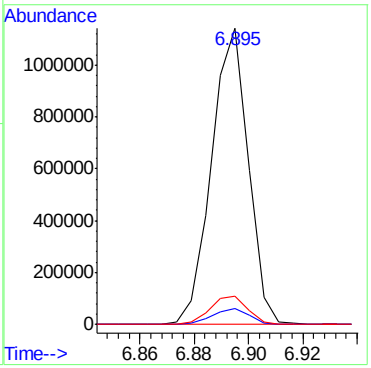


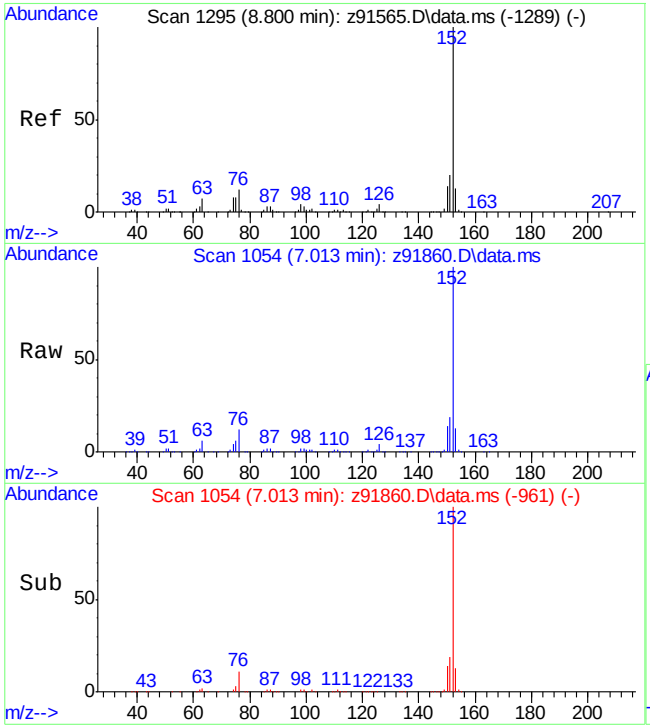


#55
Dimethylphthalate
Concen: 45.62 ppb
RT: 6.895 min Scan# 1032
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:163 Resp: 1067610

Ion	Ratio	Lower	Upper
163	100		
194	5.3	0.0	35.2
164	9.7	0.0	40.2

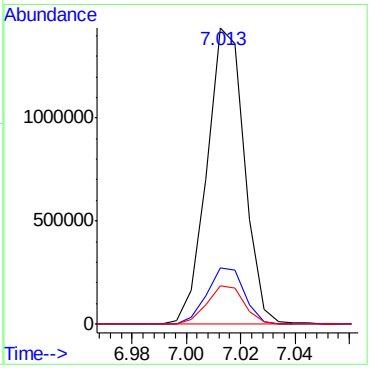


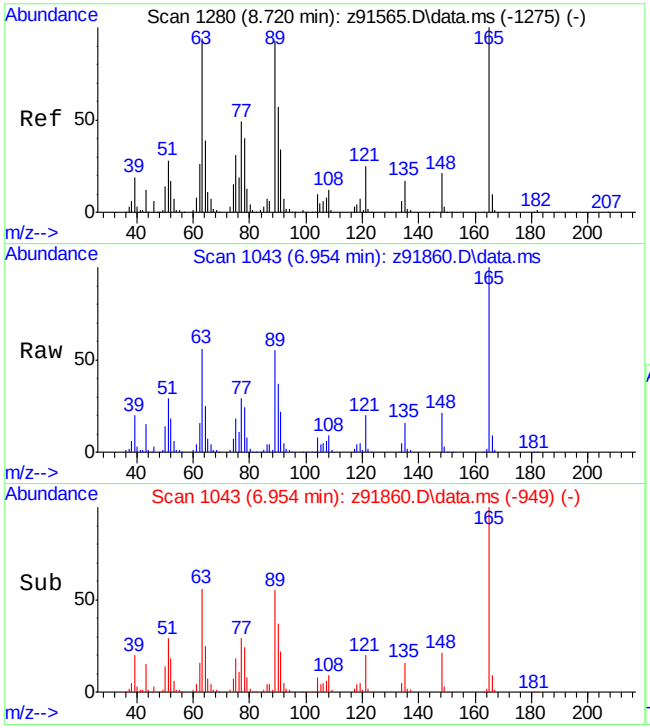


#56
Acenaphthylene
Concen: 39.72 ppb
RT: 7.013 min Scan# 1054
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:152 Resp: 1367646

Ion	Ratio	Lower	Upper
152	100		
151	19.1	0.0	49.0
153	13.1	0.0	42.7

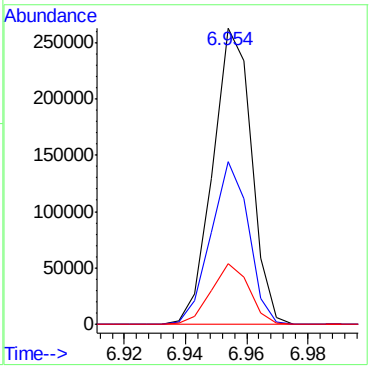


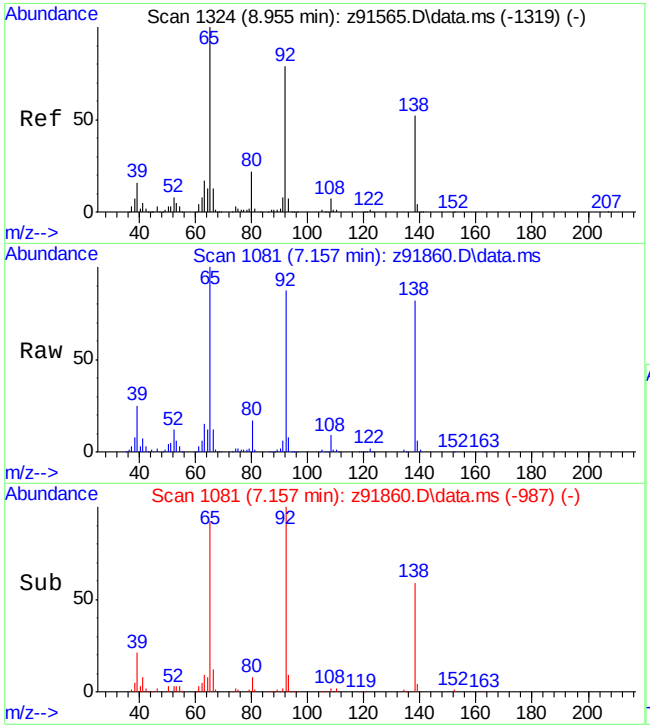


#57
2,6-Dinitrotoluene
Concen: 48.21 ppb
RT: 6.954 min Scan# 1043
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:165 Resp: 231218

Ion	Ratio	Lower	Upper
165	100		
89	55.1	24.1	84.1
121	20.4	0.0	50.1

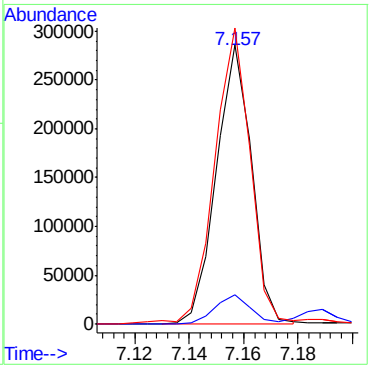


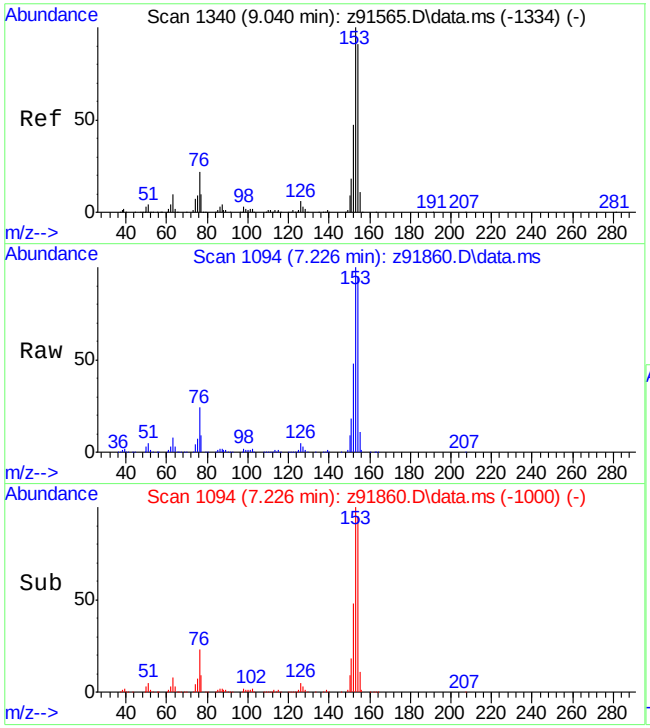


#58
3-Nitroaniline
Concen: 42.22 ppb
RT: 7.157 min Scan# 1081
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:138 Resp: 255928

Ion	Ratio	Lower	Upper
138	100		
108	9.7	0.0	38.7
92	105.3	69.9	129.9

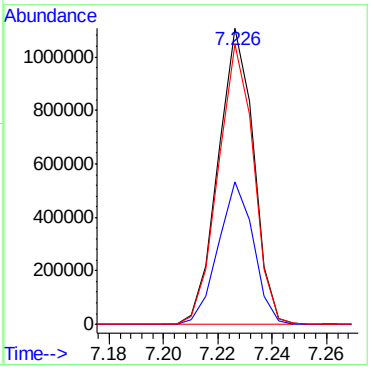


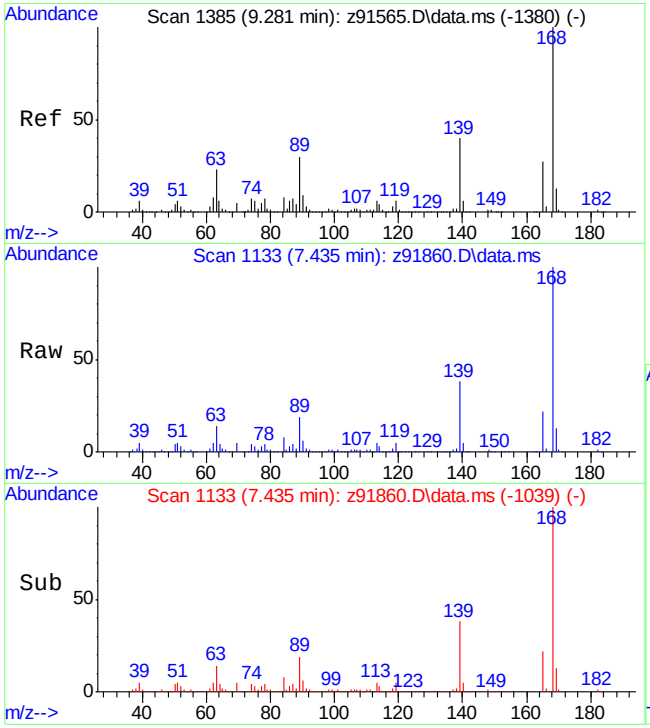


#59
Acenaphthene
Concen: 45.95 ppb
RT: 7.226 min Scan# 1094
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:153 Resp: 1000997

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.4	77.4
154	94.5	65.9	125.9

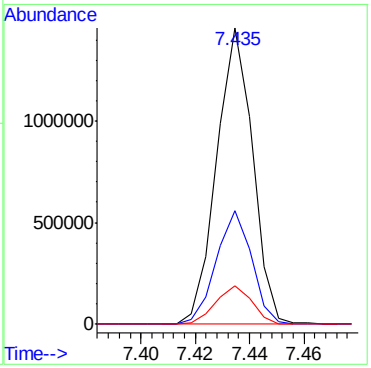


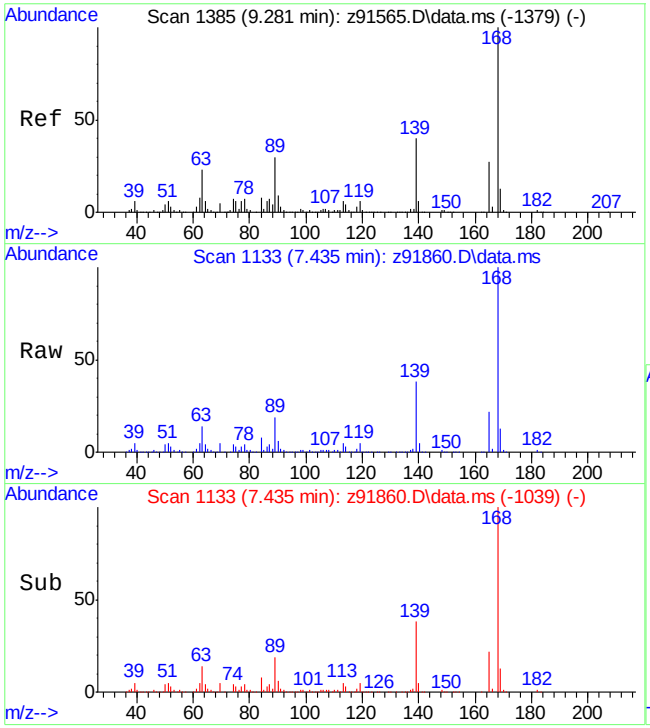


#62
Dibenzofuran
Concen: 44.21 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:168 Resp: 1336051

Ion	Ratio	Lower	Upper
168	100		
139	38.3	0.0	56.5
169	12.8	0.0	42.8

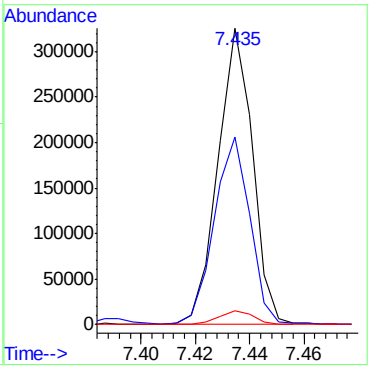


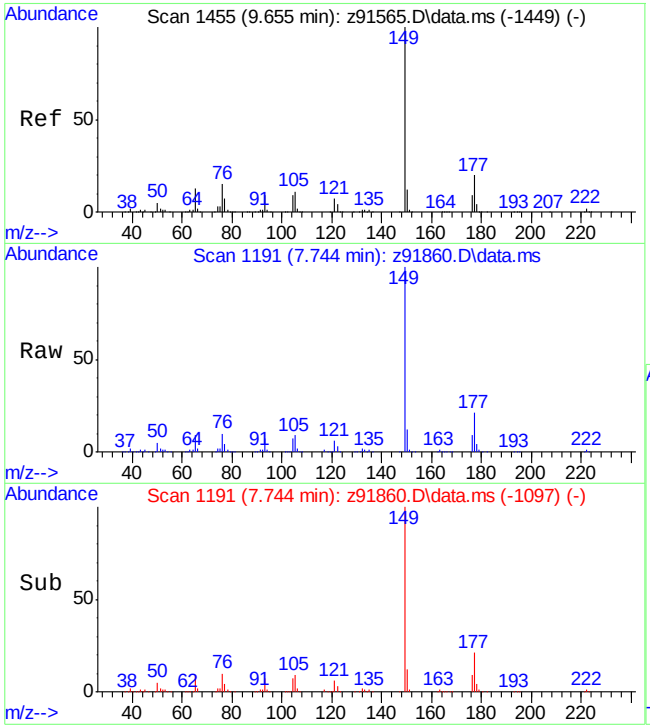


#63
2,4-Dinitrotoluene
Concen: 44.00 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:165 Resp: 288048

Ion	Ratio	Lower	Upper
165	100		
63	63.4	1.3	61.3#
182	4.5	0.0	34.7

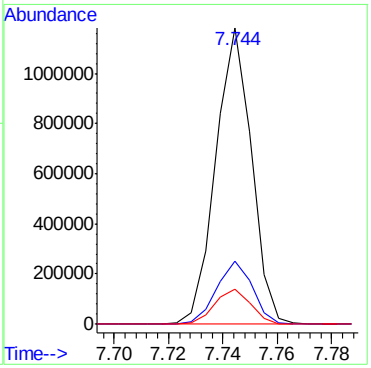


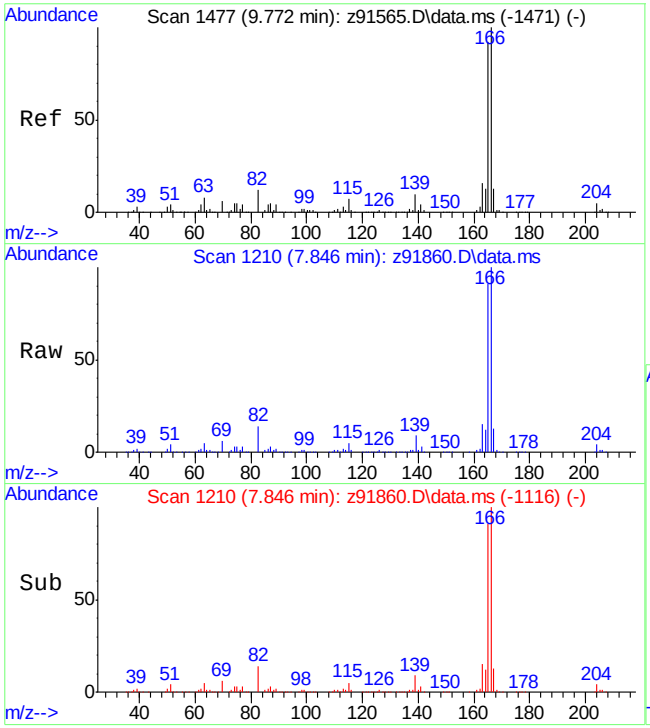


#65
Diethylphthalate
Concen: 47.19 ppb
RT: 7.744 min Scan# 1191
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1075149

Ion	Ratio	Lower	Upper
149	100		
177	21.2	0.0	51.1
150	11.6	0.0	41.7

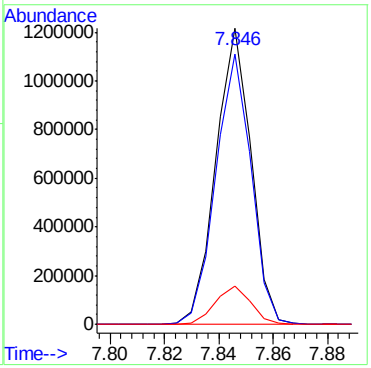


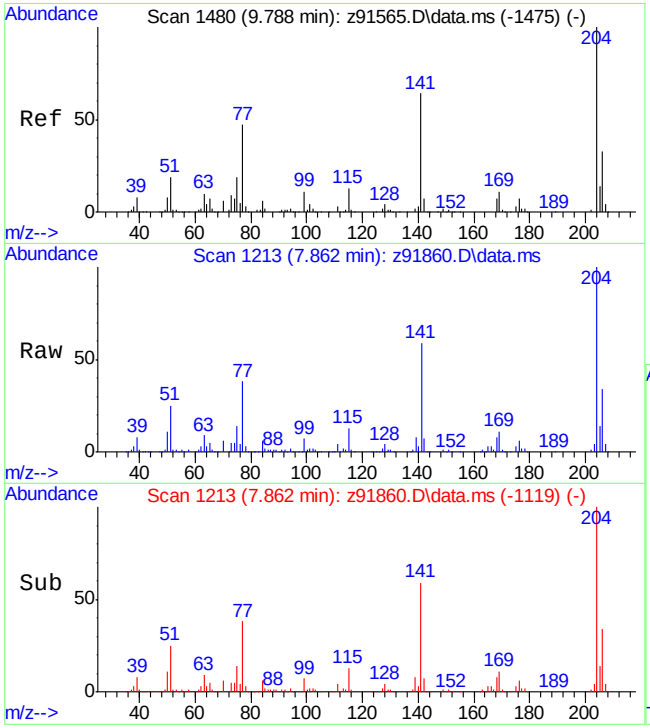


#66
Fluorene
Concen: 46.06 ppb
RT: 7.846 min Scan# 1210
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:166 Resp: 1088626

Ion	Ratio	Lower	Upper
166	100		
165	91.3	60.3	120.3
167	13.0	0.0	42.9

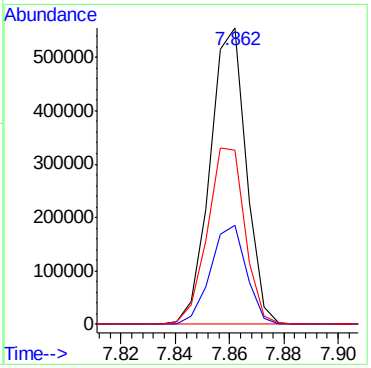


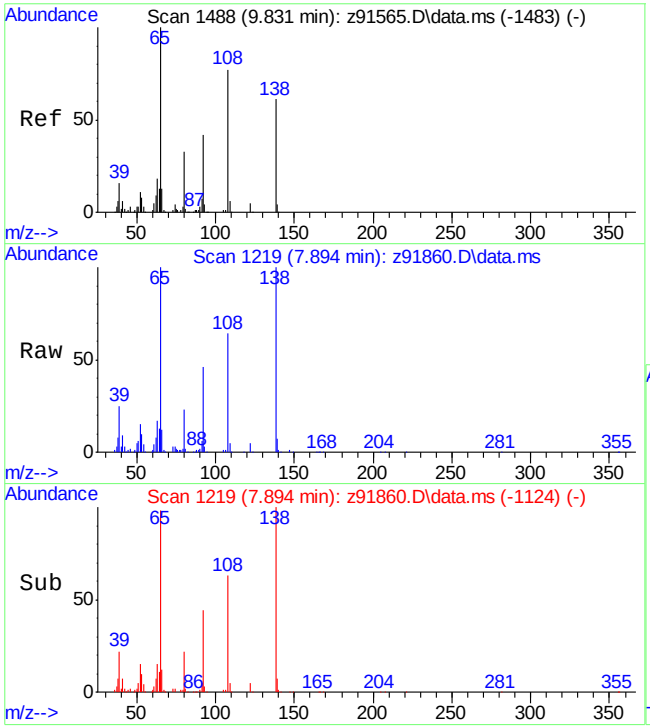


#67
4-Chlorophenyl-phenylether
Concen: 46.23 ppb
RT: 7.862 min Scan# 1213
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:204 Resp: 511306

Ion	Ratio	Lower	Upper
204	100		
206	33.6	2.1	62.1
141	58.9	25.2	85.2

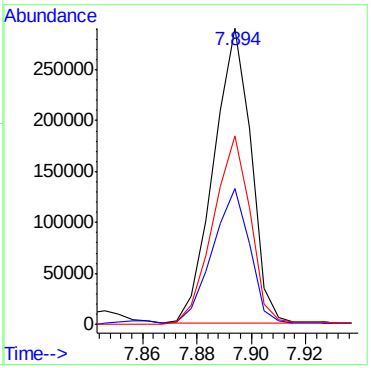


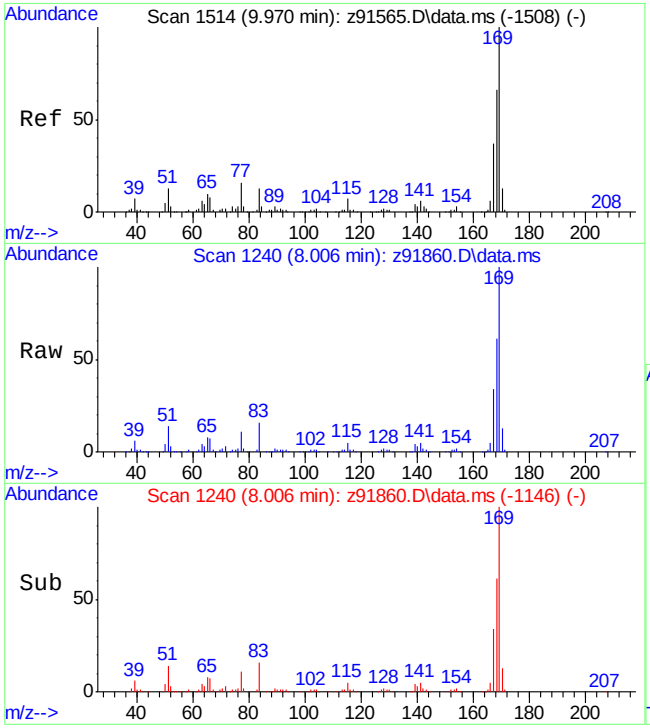


#68
4-Nitroaniline
Concen: 45.45 ppb
RT: 7.894 min Scan# 1219
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:138 Resp: 276131

Ion	Ratio	Lower	Upper
138	100		
92	45.7	12.9	72.9
108	63.4	26.4	86.4

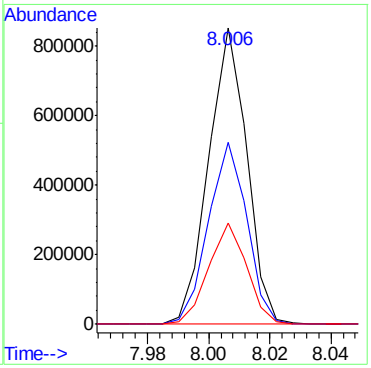




#71
n-Nitrosodiphenylamine
Concen: 48.46 ppb
RT: 8.006 min Scan# 1240
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

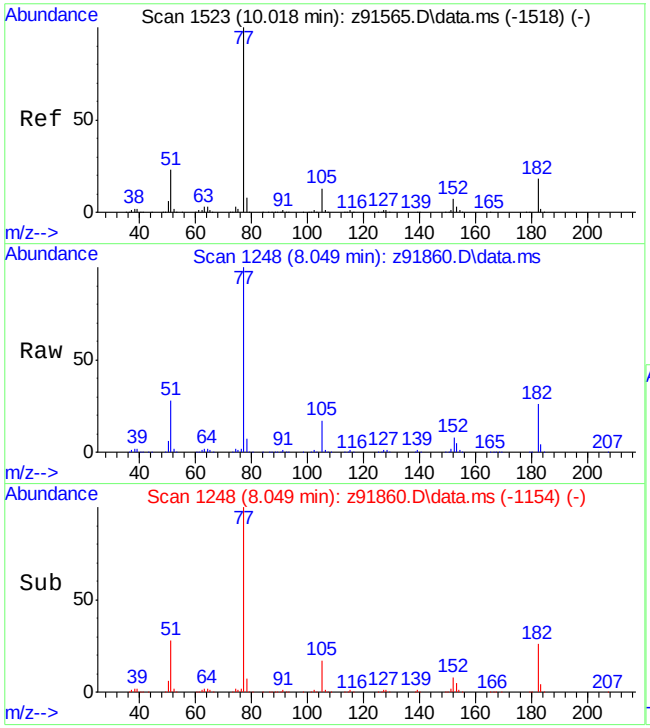
Tgt Ion:169 Resp: 736622

Ion	Ratio	Lower	Upper
169	100		
168	61.3	31.9	91.9
167	34.2	3.5	63.5



9.6.102

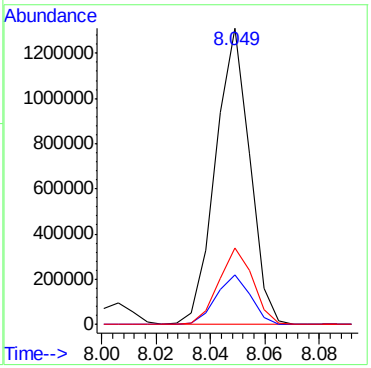
6

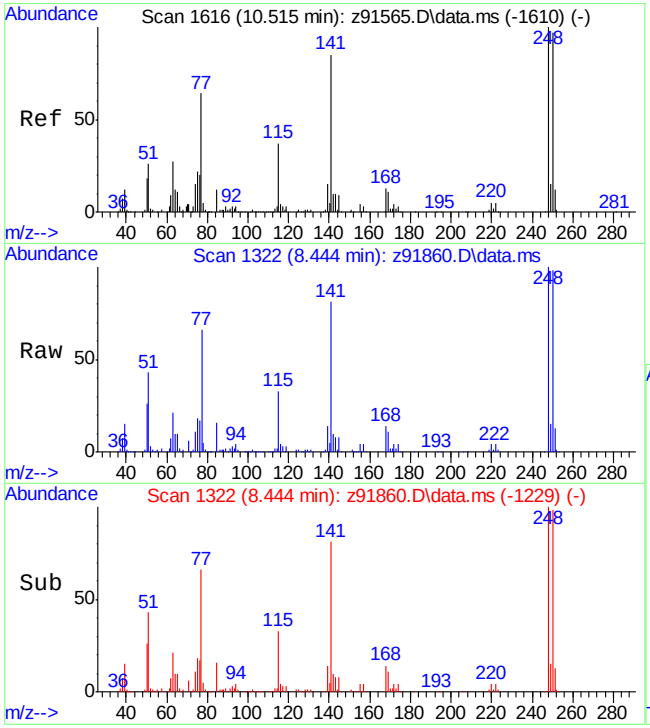


#72
1,2-Diphenylhydrazine
Concen: 48.20 ppb
RT: 8.049 min Scan# 1248
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion: 77 Resp: 1139263

Ion	Ratio	Lower	Upper
77	100		
105	16.5	0.0	47.1
182	25.7	0.0	58.4

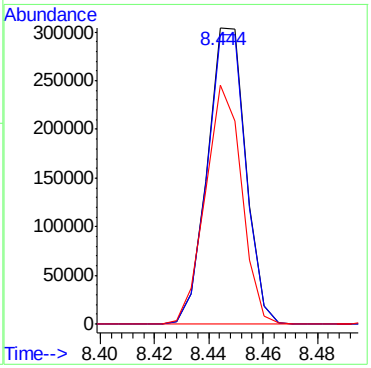


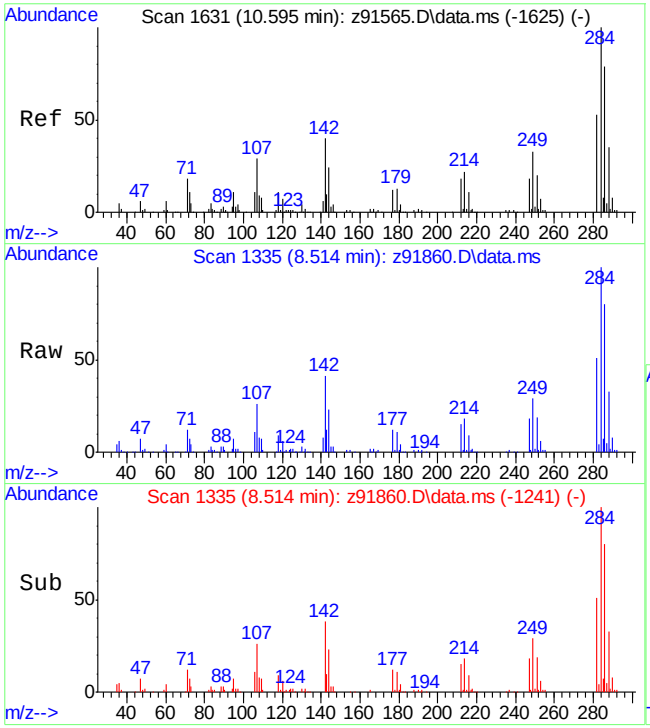


#74
4-Bromophenyl-phenylether
Concen: 48.44 ppb
RT: 8.444 min Scan# 1322
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:248 Resp: 298366

Ion	Ratio	Lower	Upper
248	100		
250	97.8	65.5	125.5
141	80.8	34.6	94.6

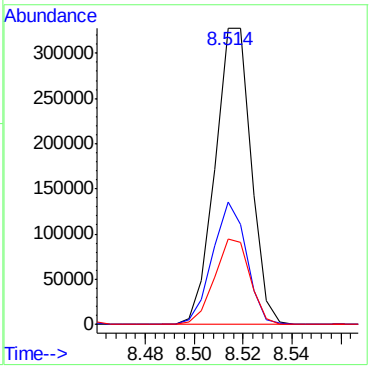


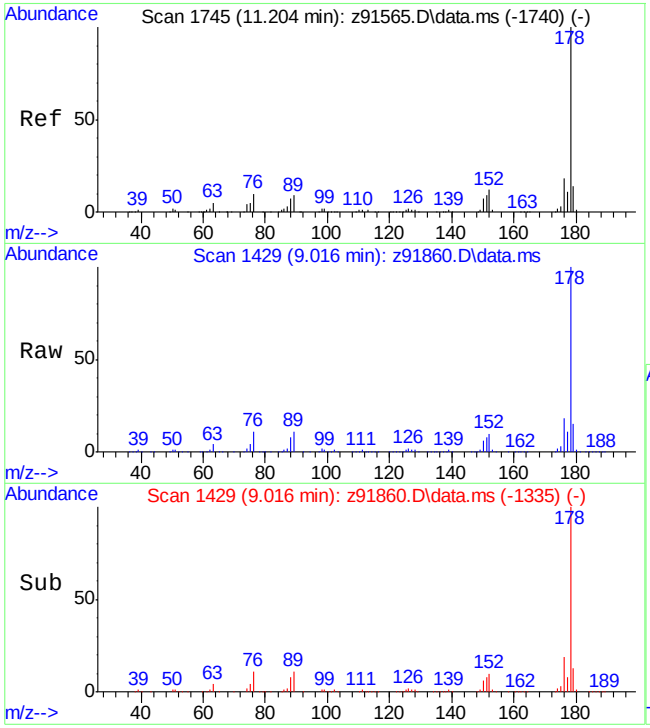


#75
Hexachlorobenzene
Concen: 46.00 ppb
RT: 8.514 min Scan# 1335
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:284 Resp: 338052

Ion	Ratio	Lower	Upper
284	100		
142	41.5	5.8	65.8
249	28.9	0.0	57.6

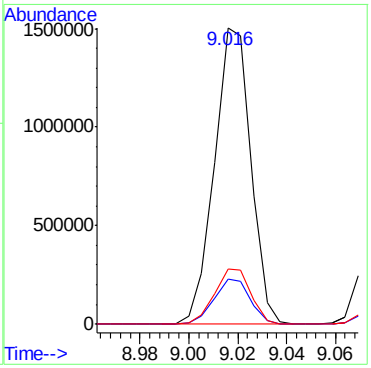


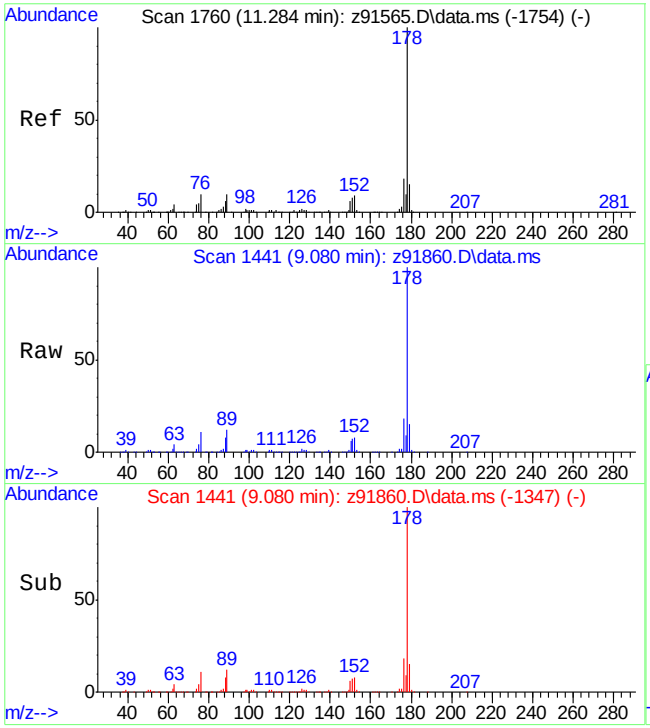


#77
Phenanthrene
Concen: 44.66 ppb
RT: 9.016 min Scan# 1429
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:178 Resp: 1558276

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.1
176	18.5	0.0	48.1

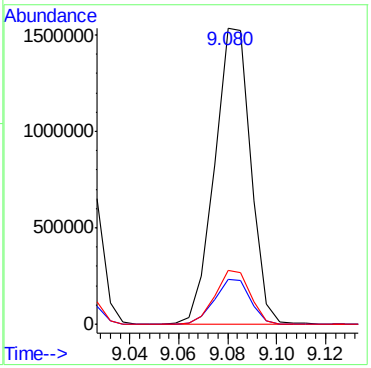


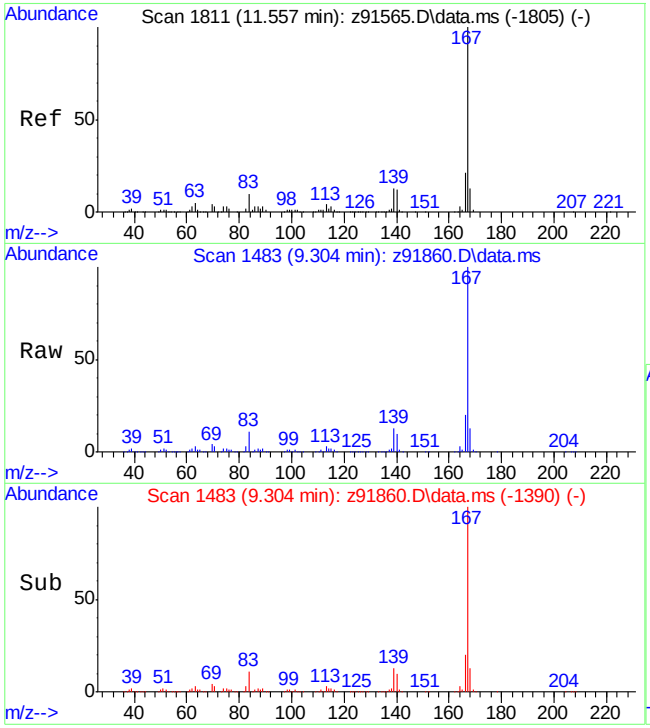


#78
Anthracene
Concen: 46.66 ppb
RT: 9.080 min Scan# 1441
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:178 Resp: 1578056

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.0
176	18.1	0.0	47.8

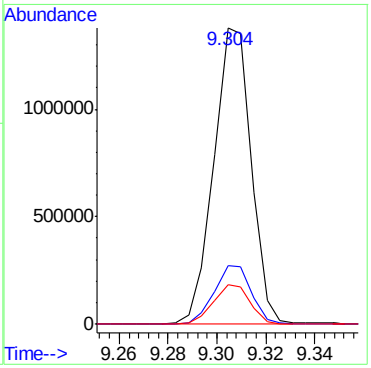


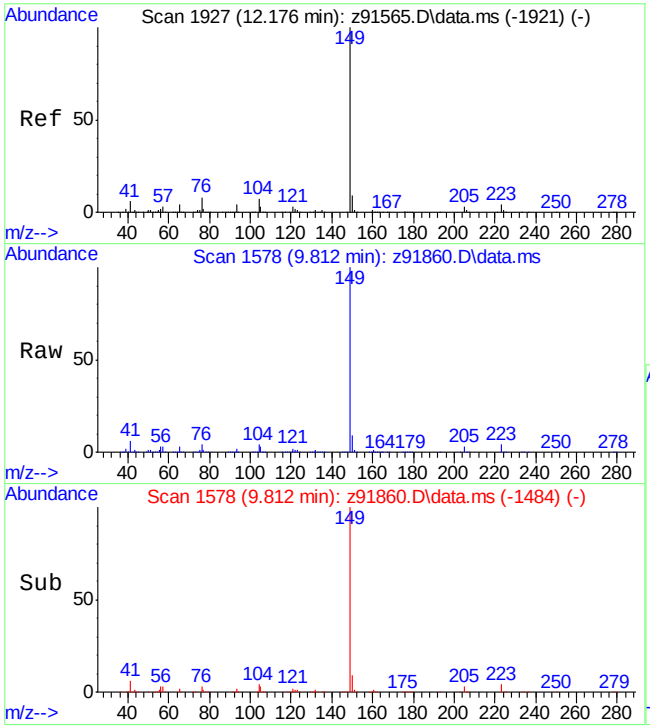


#79
Carbazole
Concen: 41.76 ppb
RT: 9.304 min Scan# 1483
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:167 Resp: 1463099

Ion	Ratio	Lower	Upper
167	100		
166	19.6	0.0	49.8
139	13.5	0.0	43.1

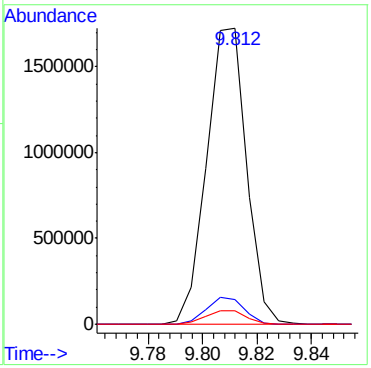


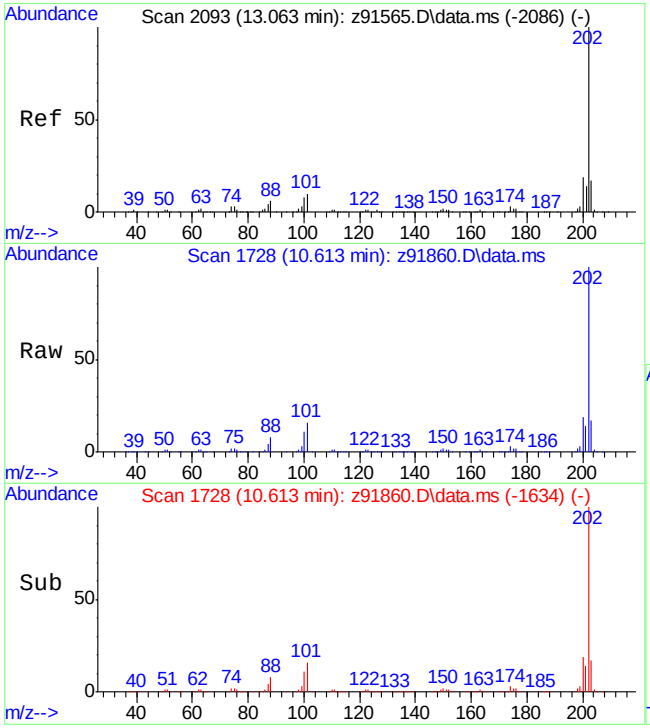


#80
Di-n-butylphthalate
Concen: 50.88 ppb
RT: 9.812 min Scan# 1578
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1750963

Ion	Ratio	Lower	Upper
149	100		
150	8.5	0.0	38.8
104	4.5	0.0	34.5

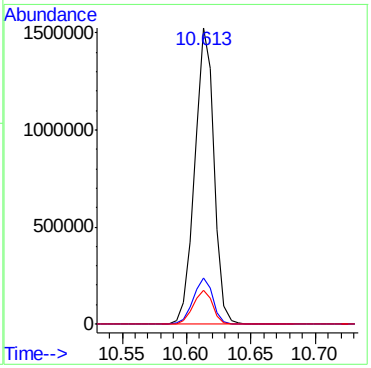


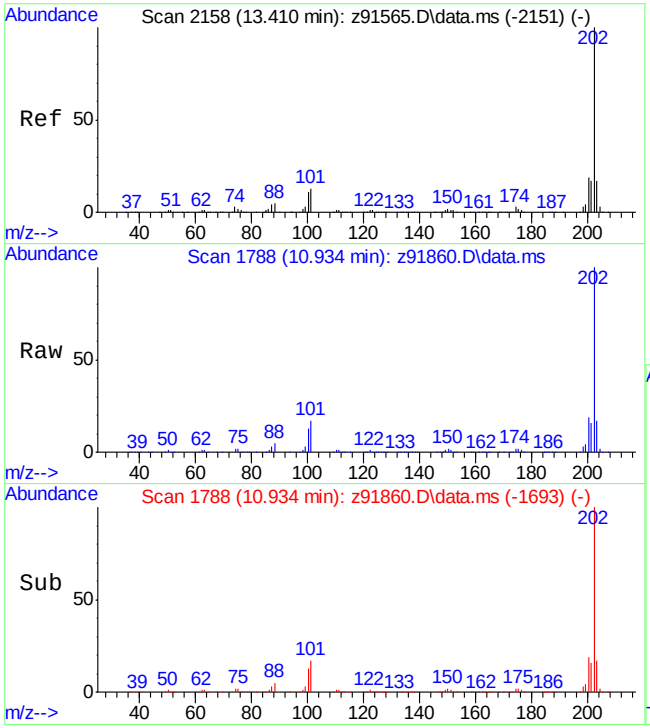


#81
Fluoranthene
Concen: 47.32 ppb
RT: 10.613 min Scan# 1728
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1607725

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	47.1
100	11.5	0.0	42.5

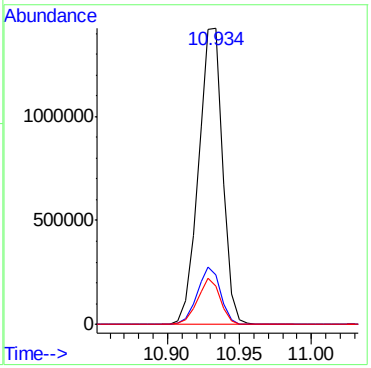


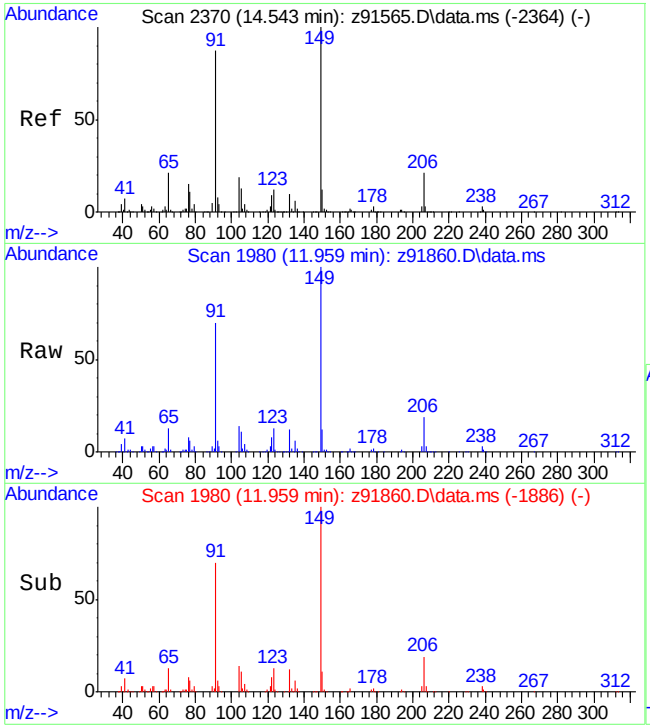


#84
Pyrene
Concen: 48.07 ppb
RT: 10.934 min Scan# 1788
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1670566

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	48.4
100	13.0	0.0	44.6

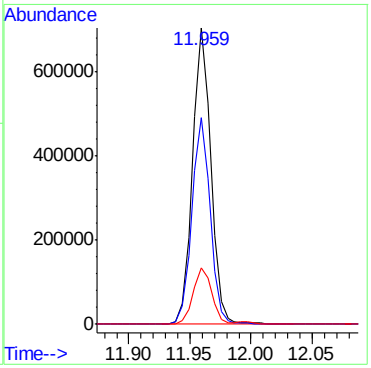


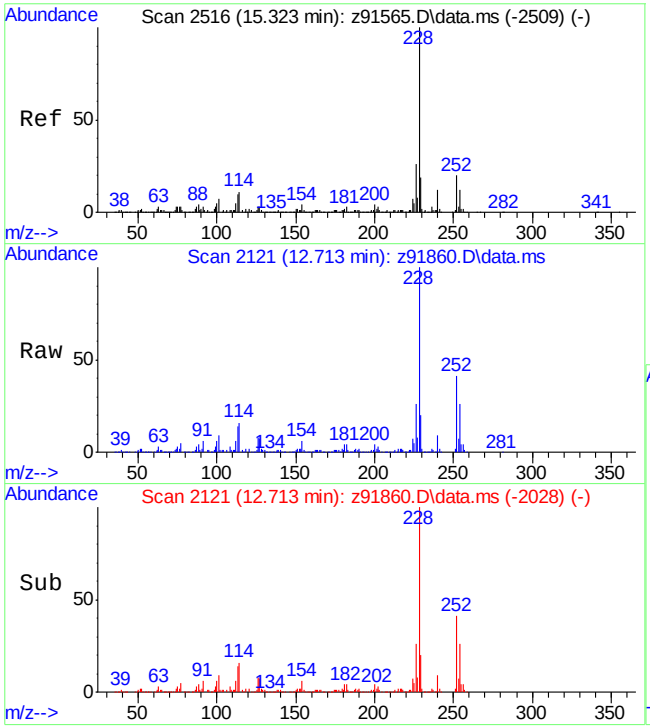


#87
Butylbenzylphthalate
Concen: 52.20 ppb
RT: 11.959 min Scan# 1980
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 731635

Ion	Ratio	Lower	Upper
149	100		
91	69.8	38.7	98.7
206	19.0	0.0	49.5

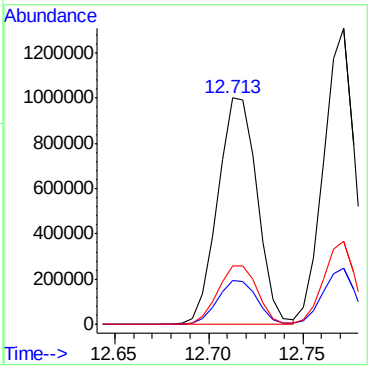


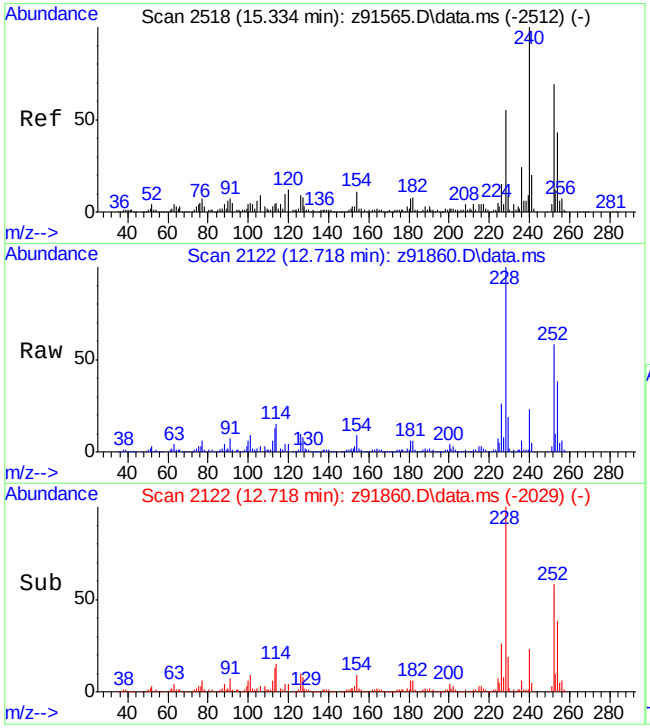


#88
Benzo[a]anthracene
Concen: 46.48 ppb
RT: 12.713 min Scan# 2121
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:228 Resp: 1456967

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	49.3
226	25.8	0.0	55.6

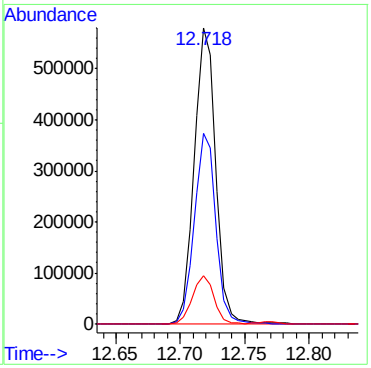


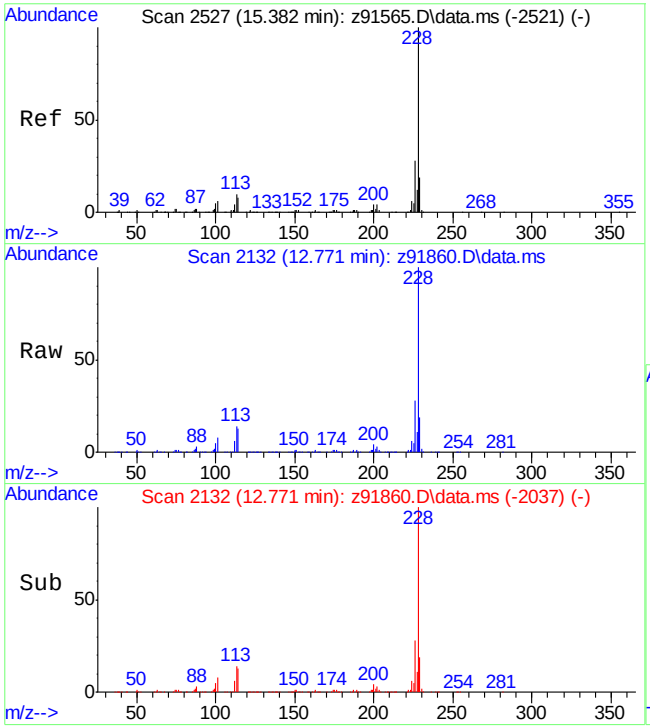


#89
3,3'-Dichlorobenzidine
Concen: 66.53 ppb
RT: 12.718 min Scan# 2122
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 685540

Ion	Ratio	Lower	Upper
252	100		
254	64.4	33.8	93.8
126	16.5	0.0	46.0

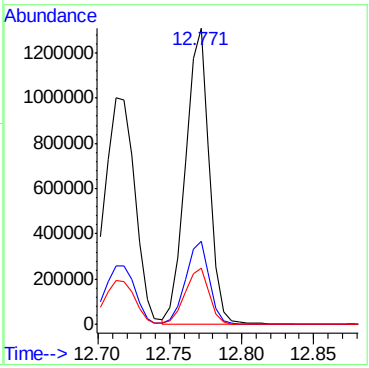


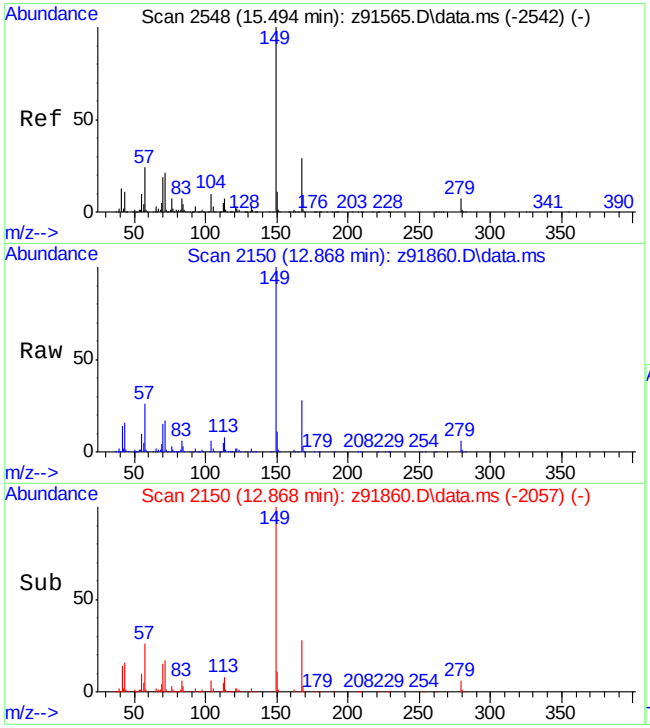


#90
Chrysene
Concen: 48.34 ppb
RT: 12.771 min Scan# 2132
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:228 Resp: 1504371

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	58.5
229	18.9	0.0	49.0

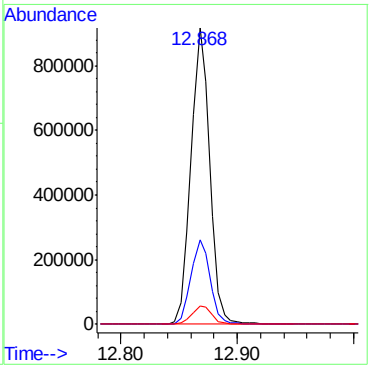


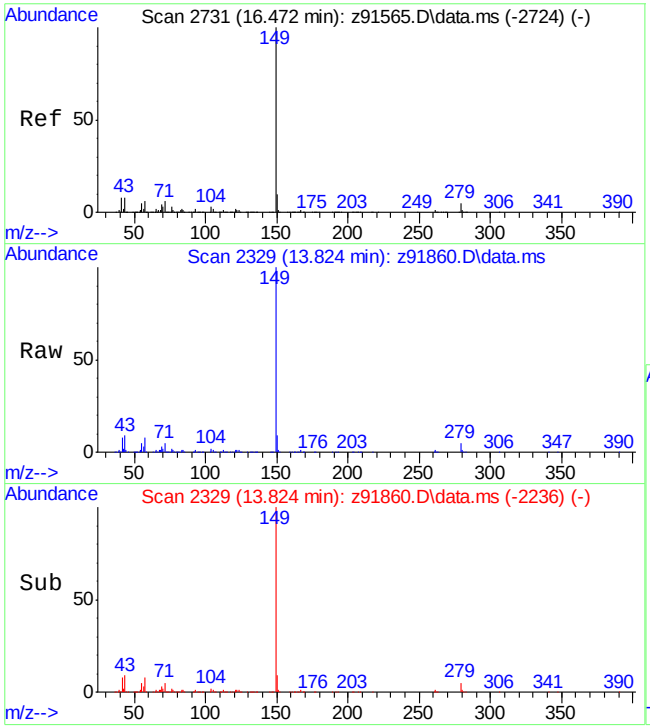


#91
bis(2-Ethylhexyl)phthalate
Concen: 53.48 ppb
RT: 12.868 min Scan# 2150
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1018064

Ion	Ratio	Lower	Upper
149	100		
167	28.4	0.0	58.7
279	6.2	0.0	36.2

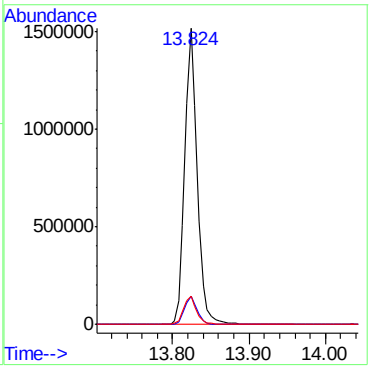


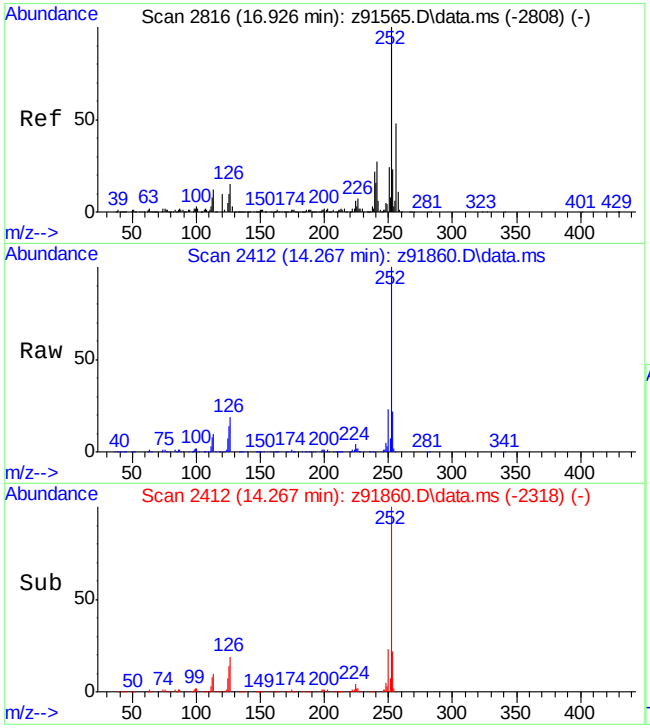


#93
Di-n-octylphthalate
Concen: 48.95 ppb
RT: 13.824 min Scan# 2329
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1711925

Ion	Ratio	Lower	Upper
149	100		
150	9.4	0.0	39.4
43	9.4	0.0	39.1

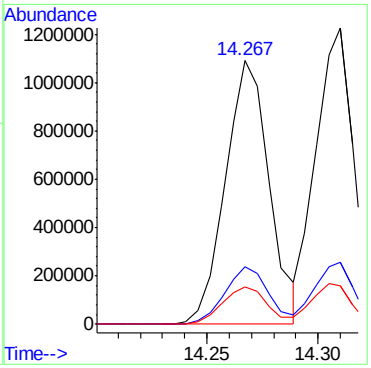


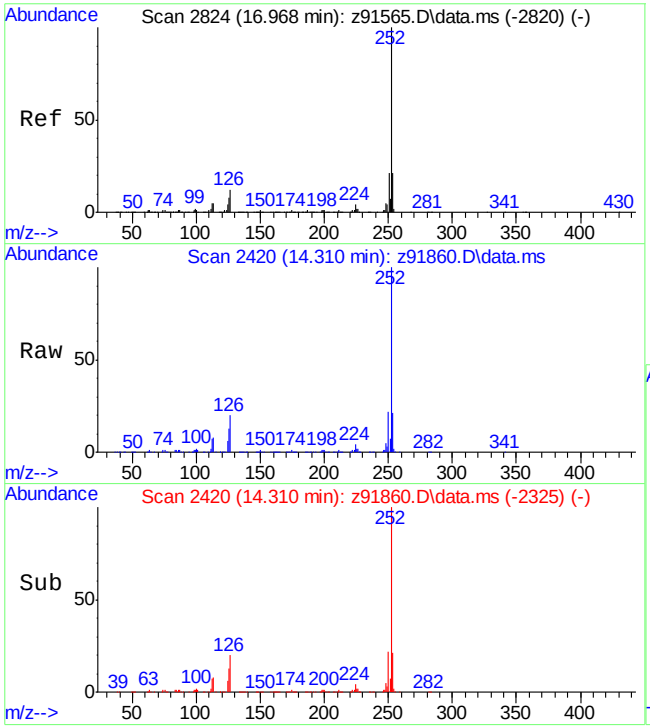


#94
Benzo[b]fluoranthene
Concen: 47.55 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1490447

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	54.0
125	14.0	0.0	47.1

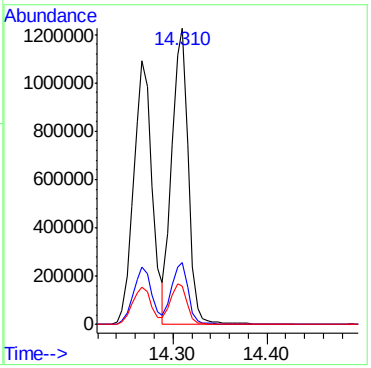


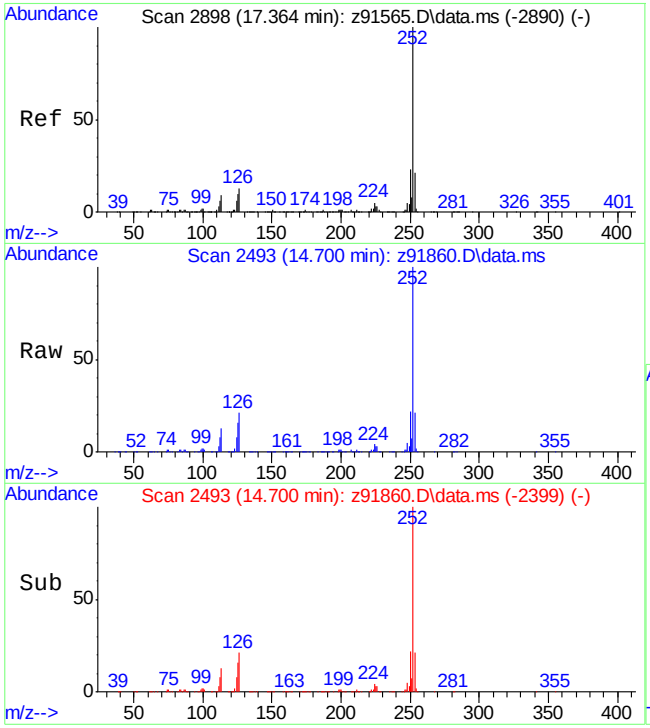


#95
Benzo[k]fluoranthene
Concen: 45.40 ppb
RT: 14.310 min Scan# 2420
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1469644

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.2
125	12.7	0.0	45.0

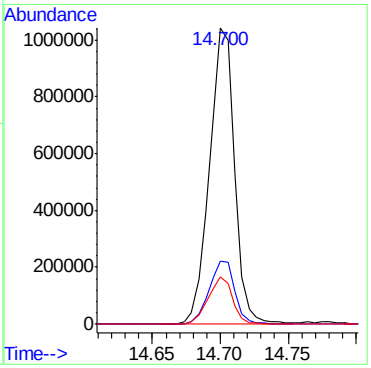


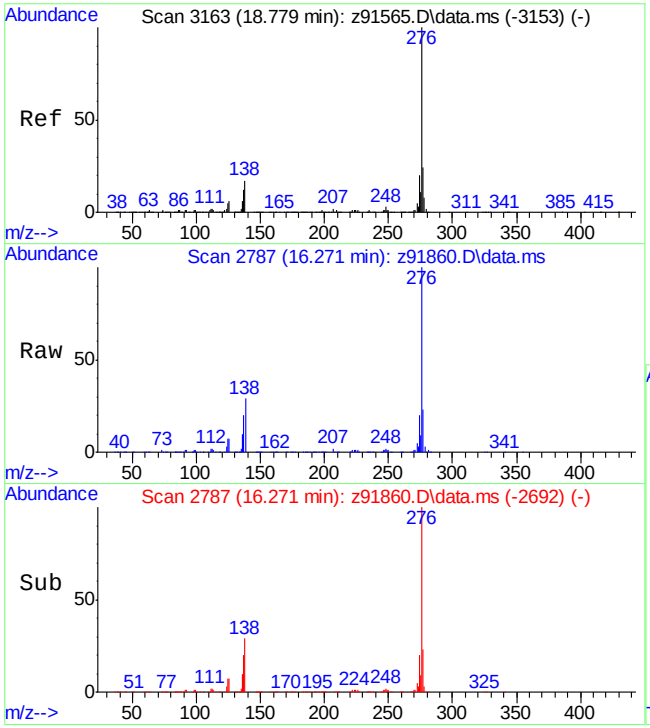


#96
Benzo[a]pyrene
Concen: 48.12 ppb
RT: 14.700 min Scan# 2493
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1339666

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.6
125	15.9	0.0	47.1

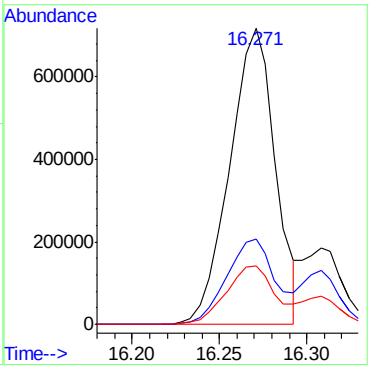


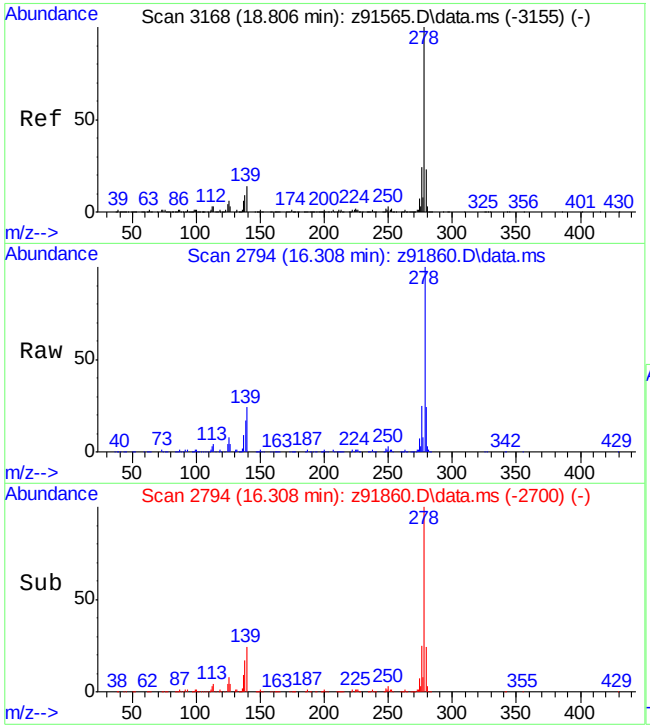


#97
Indeno[1,2,3-cd]pyrene
Concen: 48.58 ppb
RT: 16.271 min Scan# 2787
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:276 Resp: 1304748

Ion	Ratio	Lower	Upper
276	100		
138	26.3	0.0	55.2
137	18.5	0.0	49.3

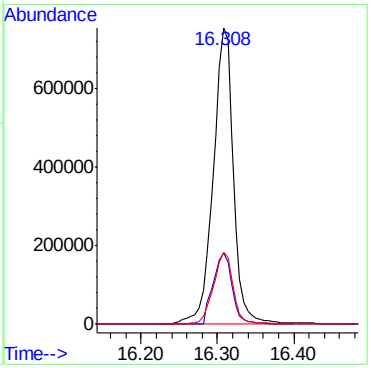


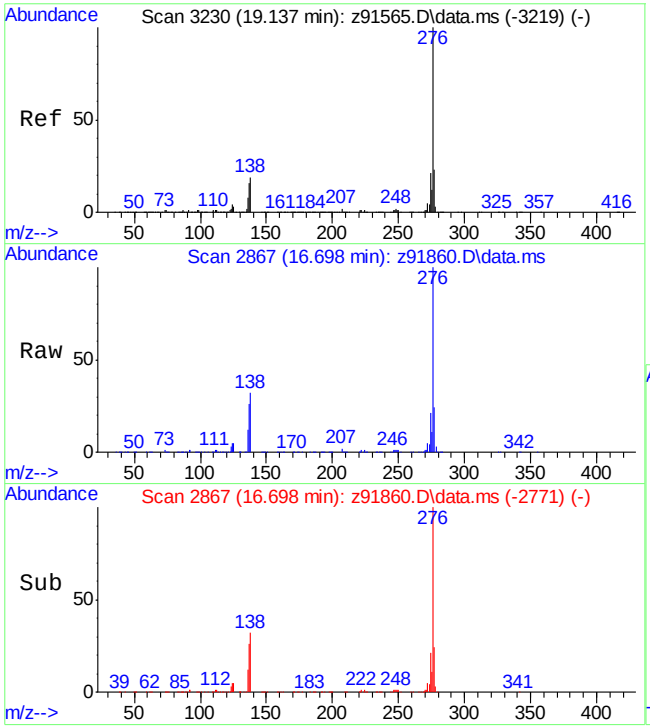


#99
Dibenz[a,h]anthracene
Concen: 48.86 ppb
RT: 16.308 min Scan# 2794
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:278 Resp: 1383911

Ion	Ratio	Lower	Upper
278	100		
139	23.8	0.0	54.1
279	24.4	0.0	53.2

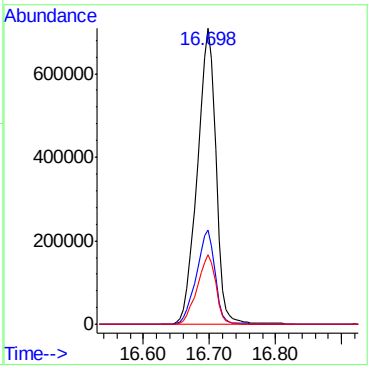




#101
Benzo[g,h,i]perylene
Concen: 49.12 ppb
RT: 16.698 min Scan# 2867
Delta R.T. 0.011 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:276 Resp: 1374342

Ion	Ratio	Lower	Upper
276	100		
138	31.8	3.7	63.7
277	23.7	0.0	53.6



9.6.102

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration

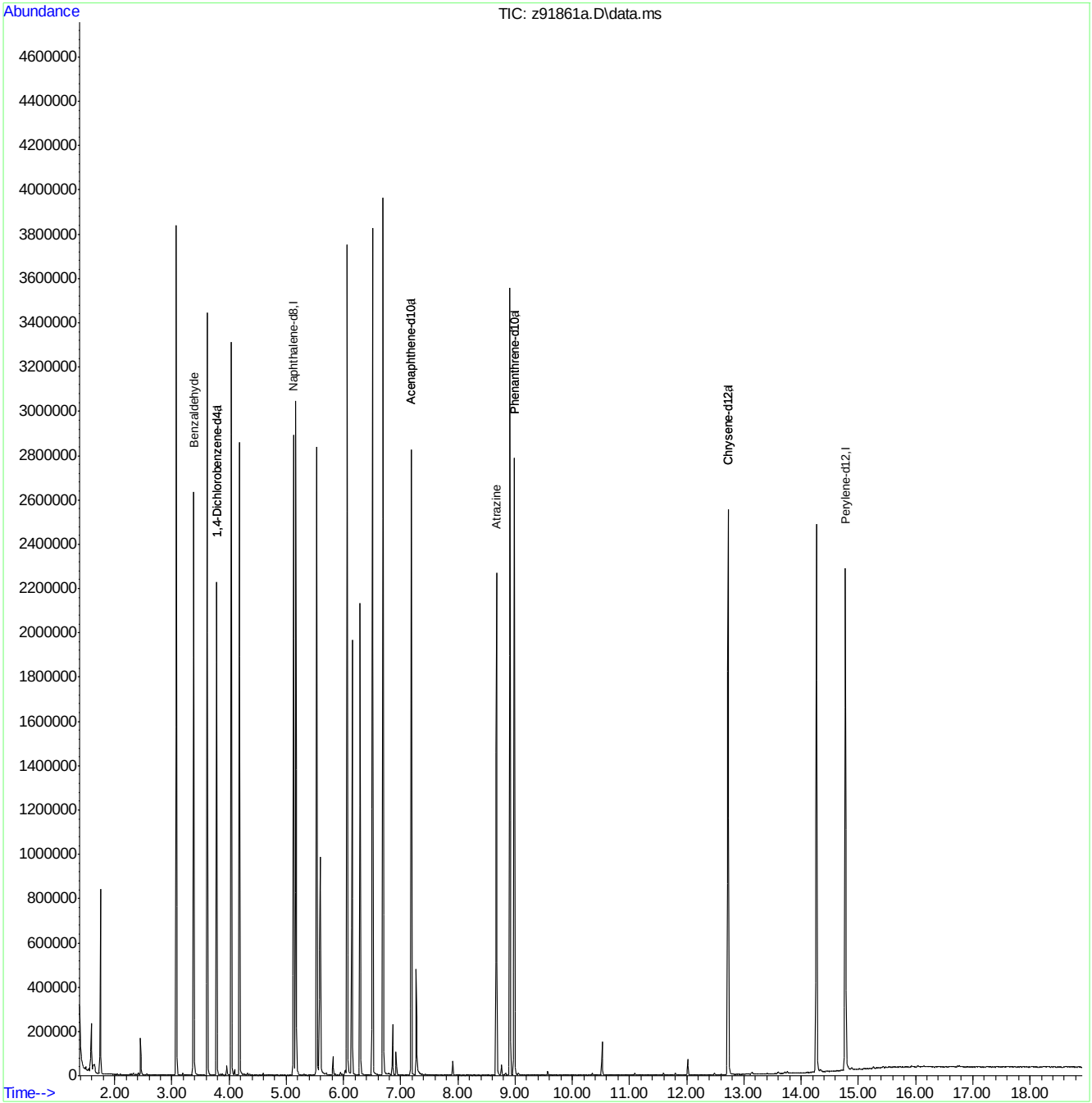
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb	0.02
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb	0.02
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb	0.03
83) Chrysene-d12	12.723	240	1084642	40.00	ppb	0.02
92) Perylene-d12	14.775	264	957548	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb	0.00
106) Chrysene-d12a	12.723	240	1084642	40.00	ppb	0.00
108) Acenaphthene-d10a	7.183	164	674056	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%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	445470	61.31	ppb	85
105) Atrazine	8.674	215	140033	52.35	ppb #	74

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb		0.00
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb		0.00
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb		0.00
83) Chrysene-d12	12.723	240	1084642	40.00	ppb		-0.01
92) Perylene-d12	14.775	264	957548	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb		0.00
107) Chrysene-d12a	12.723	240	1084642	40.00	ppb		-0.01
110) Acenaphthene-d10a	7.183	164	674056	40.00	ppb		0.00
112) Naphthalene-d8a	5.127	136	1224773	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%			
106) 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	1.750	88	226374	42.72	ppb		99
6) Indene	4.042	116	942222	44.96	ppb		97
7) Cumene	3.075	105	1279329	43.16	ppb		99
13) Decane	3.620	43	565933	39.93	ppb		97
18) Acetophenone	4.181	105	742272	43.33	ppb		96
26) Nitrobenzene	4.181	77	579593	48.58	ppb	#	35
27) Quinoline	5.527	129	1070405	43.63	ppb		99
40) 2,3-Dichloroaniline	6.291	161	444026	37.97	ppb		99
41) Caprolactam	5.591	55	229369	40.30	ppb		98
45) 1-Methylnaphthalene	6.067	141	873720	42.74	ppb		99
46) Dimethylnaphthalene	6.692	156	898145	43.36	ppb		100
48) Hexachlorocyclopentadiene	6.152	237	303432	56.94	ppb		99
53) Biphenyl	6.510	154	1216191	42.66	ppb		99
82) Octadecane	8.909	57	696175	45.17	ppb		96
100) 7,12-Dimethylbenz(a)an...	14.267	256	592112	53.28	ppb		99

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

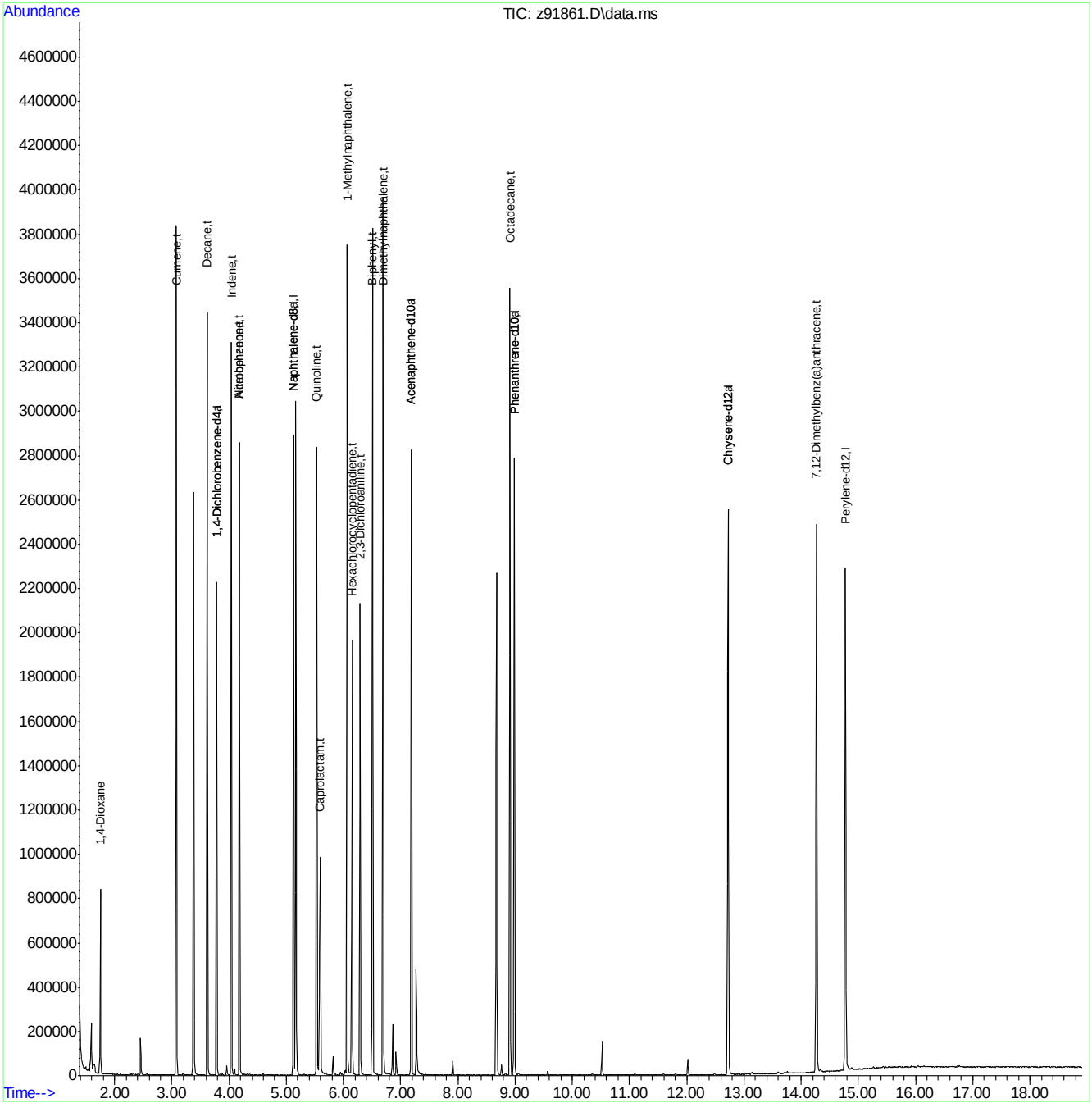
MZ4569.M Wed May 28 12:12:14 2014 RTE

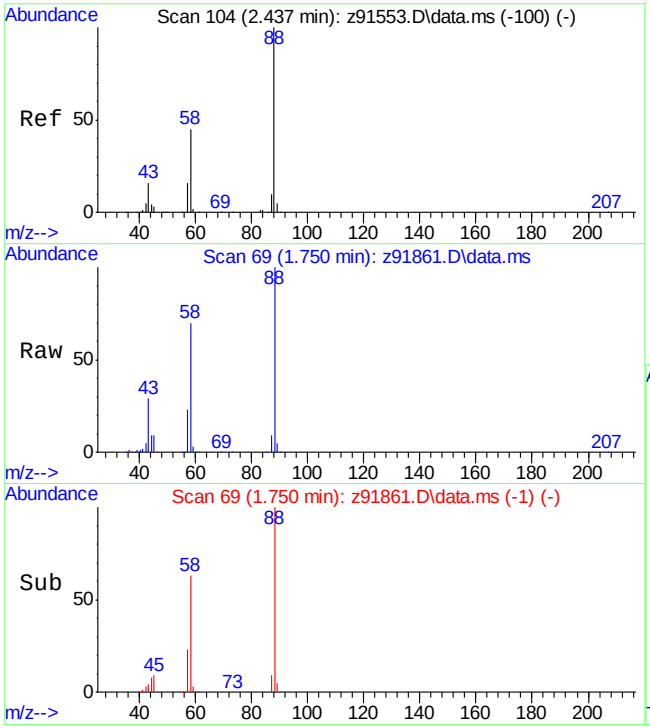
ACCUTEST LABORATORIES JB67744

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

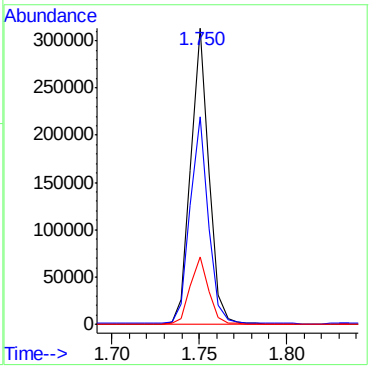


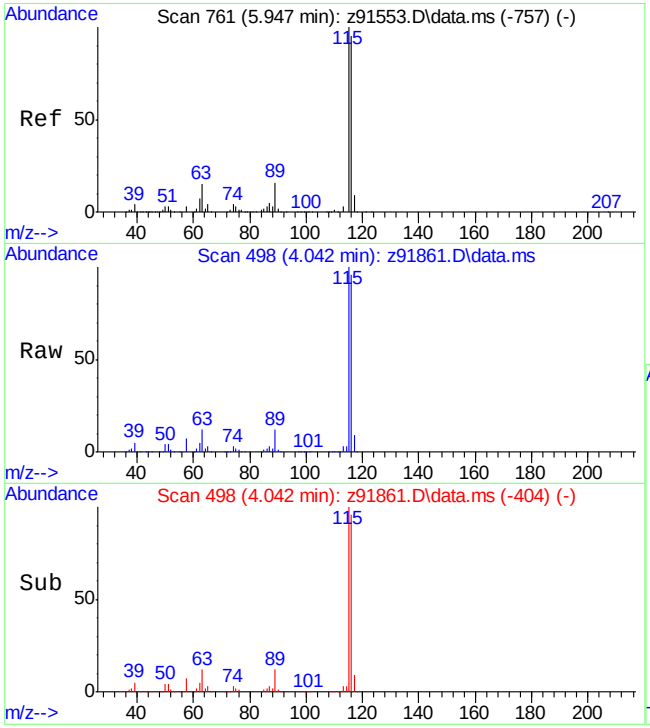


#2
1,4-Dioxane
Concen: 42.72 ppb
RT: 1.750 min Scan# 69
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 88 Resp: 226374

Ion	Ratio	Lower	Upper
88	100		
58	70.6	51.1	91.1
57	23.1	3.5	43.5

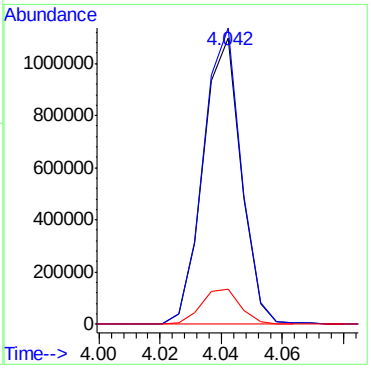


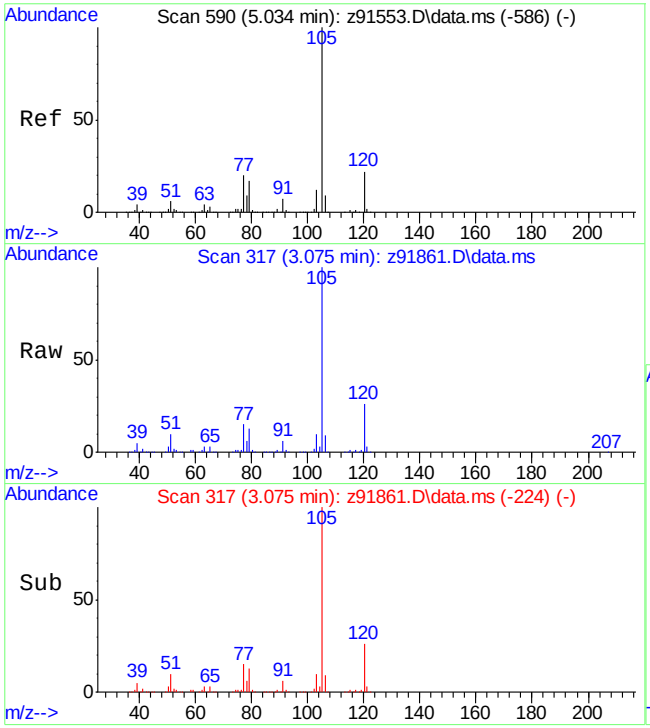


#6
Indene
Concen: 44.96 ppb
RT: 4.042 min Scan# 498
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:116 Resp: 942222

Ion	Ratio	Lower	Upper
116	100		
115	103.6	70.6	130.6
63	12.1	0.0	44.5

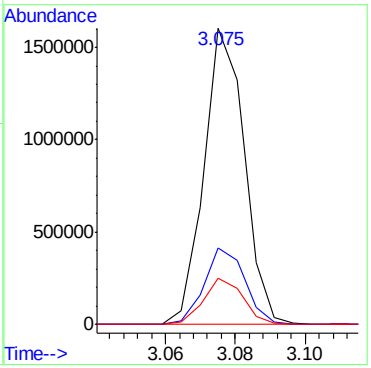


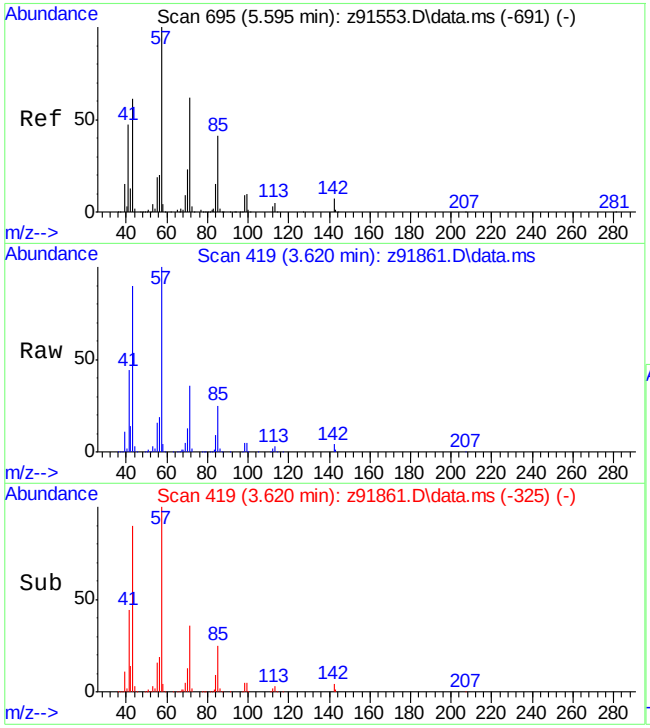


#7
Cumene
Concen: 43.16 ppb
RT: 3.075 min Scan# 317
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:105 Resp: 1279329

Ion	Ratio	Lower	Upper
105	100		
120	25.7	0.0	55.6
77	15.4	0.0	44.9

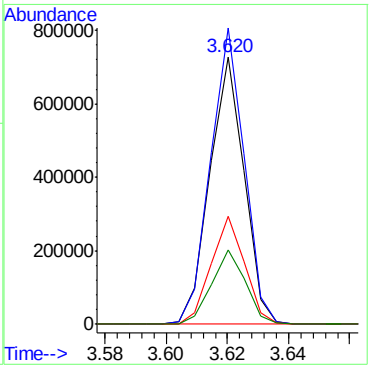


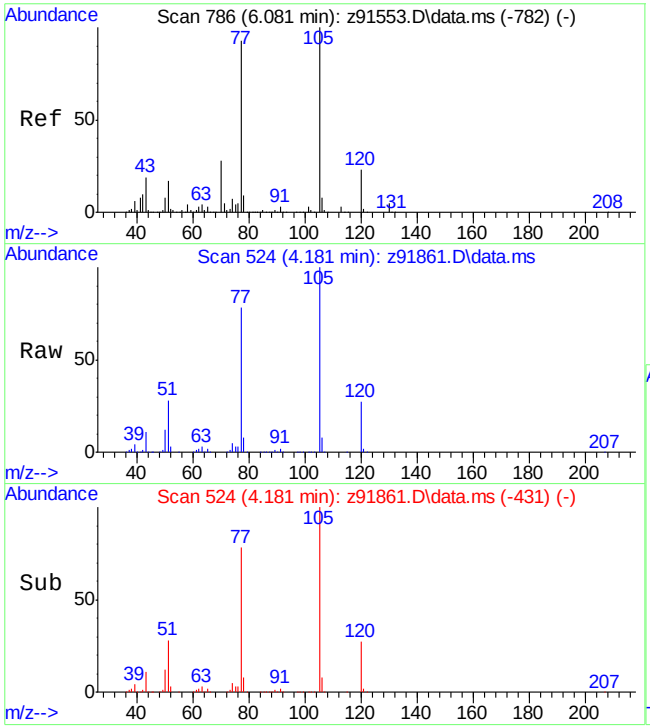


#13
Decane
Concen: 39.93 ppb
RT: 3.620 min Scan# 419
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 43 Resp: 565933

Ion	Ratio	Lower	Upper
43	100		
57	110.8	84.1	144.1
71	40.4	12.1	72.1
85	27.7	0.0	59.5

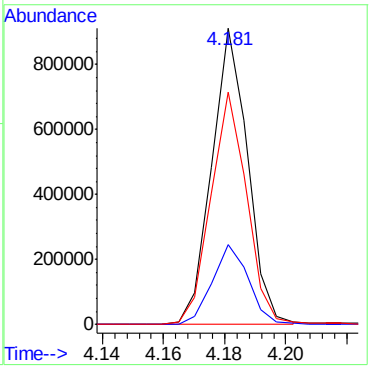


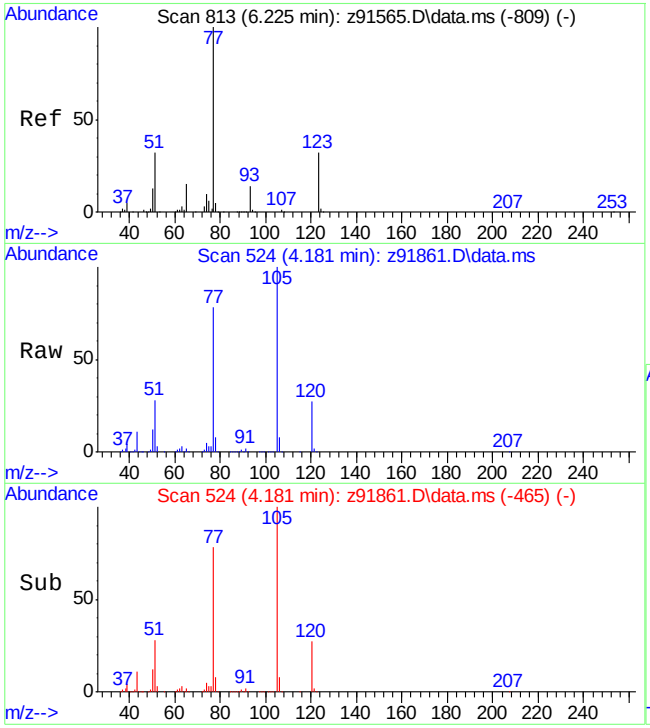


#18
Acetophenone
Concen: 43.33 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:105 Resp: 742272

Ion	Ratio	Lower	Upper
105	100		
120	27.1	0.0	57.0
77	78.5	53.0	113.0

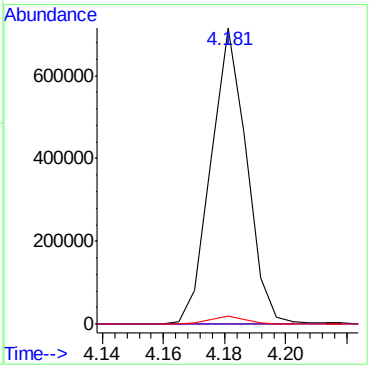


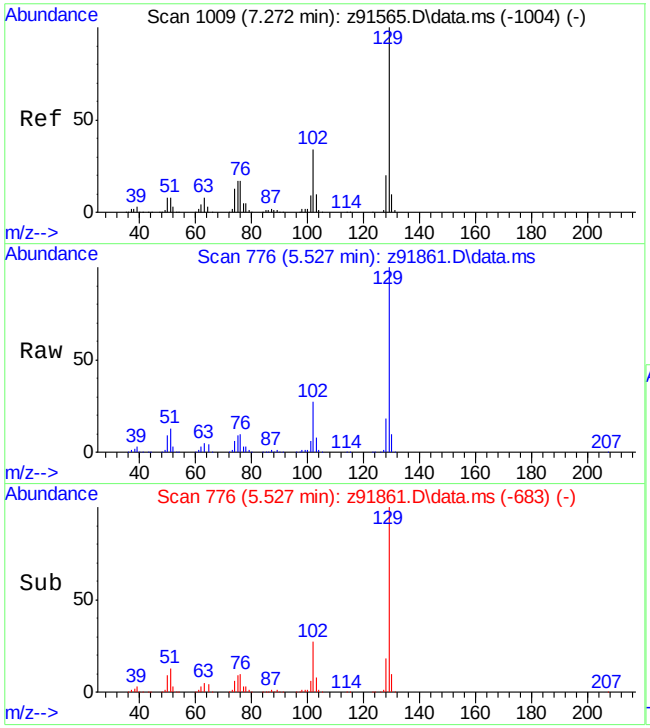


#26
Nitrobenzene
Concen: 48.58 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.187 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 77 Resp: 579593

Ion	Ratio	Lower	Upper
77	100		
123	0.0	22.5	82.5#
65	2.7	0.0	43.2

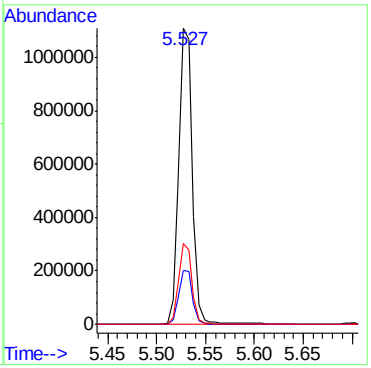


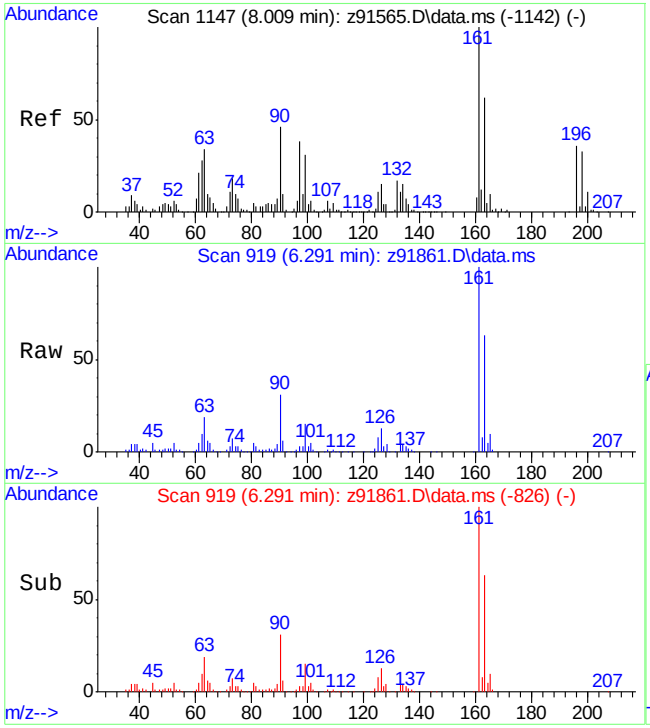


#27
Quinoline
Concen: 43.63 ppb
RT: 5.527 min Scan# 776
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:129 Resp: 1070405

Ion	Ratio	Lower	Upper
129	100		
128	18.2	0.0	48.9
102	27.1	0.0	57.0

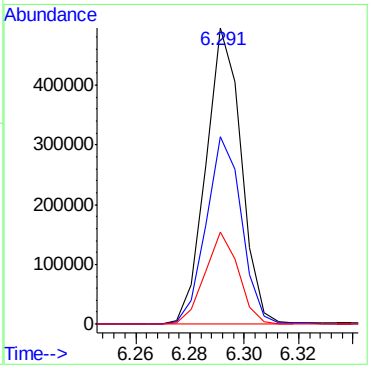


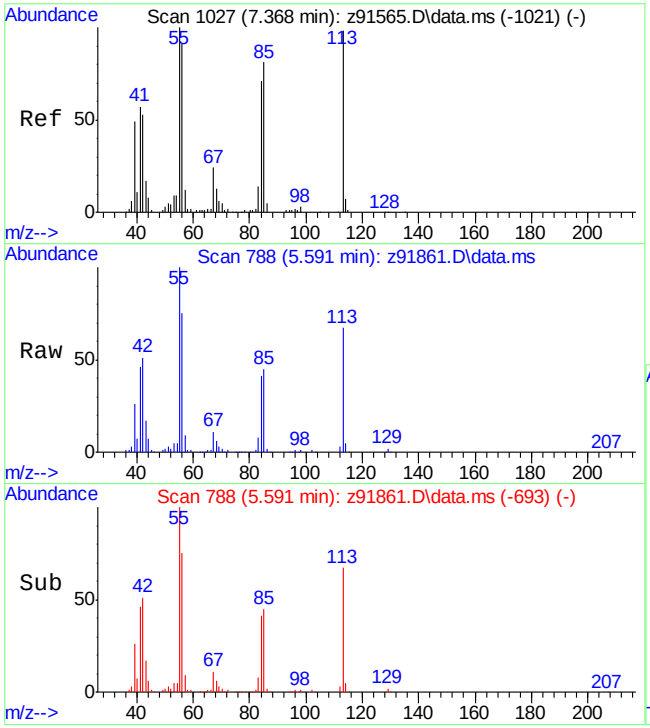


#40
2,3-Dichloroaniline
Concen: 37.97 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:161 Resp: 444026

Ion	Ratio	Lower	Upper
161	100		
163	63.3	32.9	92.9
90	31.3	0.0	59.9

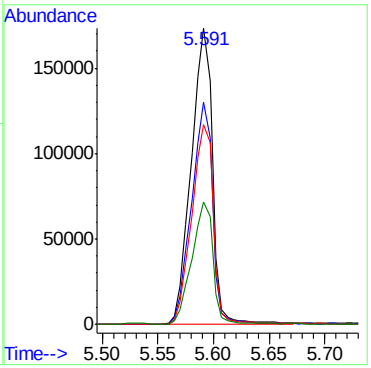


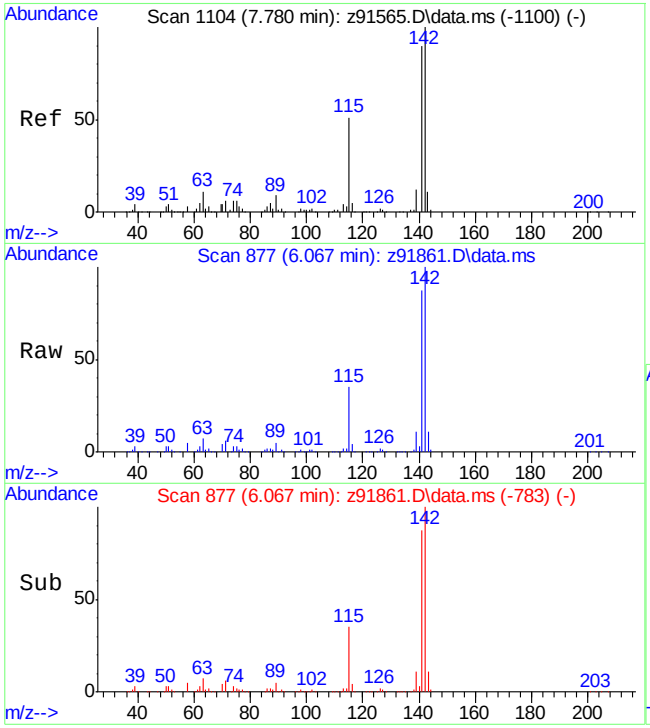


#41
Caprolactam
Concen: 40.30 ppb
RT: 5.591 min Scan# 788
Delta R.T. 0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 55 Resp: 229369

Ion	Ratio	Lower	Upper
55	100		
56	74.9	41.8	101.8
113	67.4	37.3	97.3
84	41.2	10.0	70.0

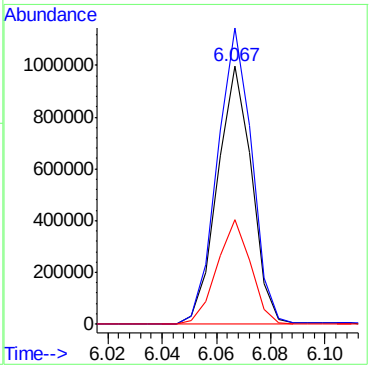


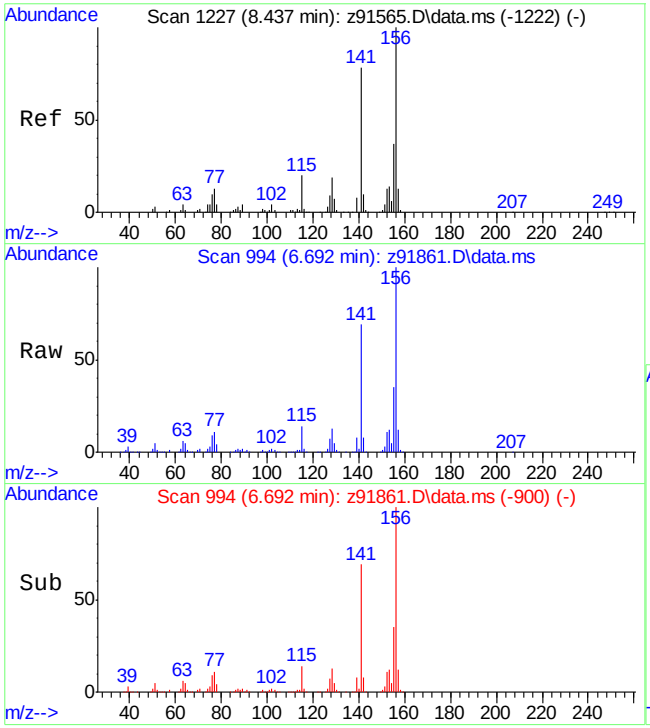


#45
1-Methylnaphthalene
Concen: 42.74 ppb
RT: 6.067 min Scan# 877
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:141 Resp: 873720

Ion	Ratio	Lower	Upper
141	100		
142	114.6	84.9	144.9
115	40.3	9.0	69.0

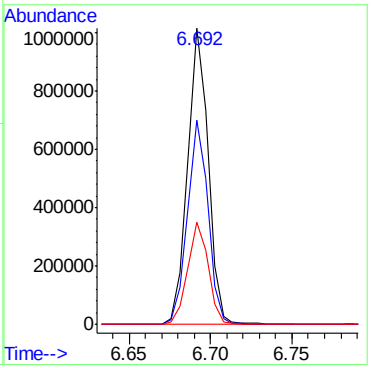


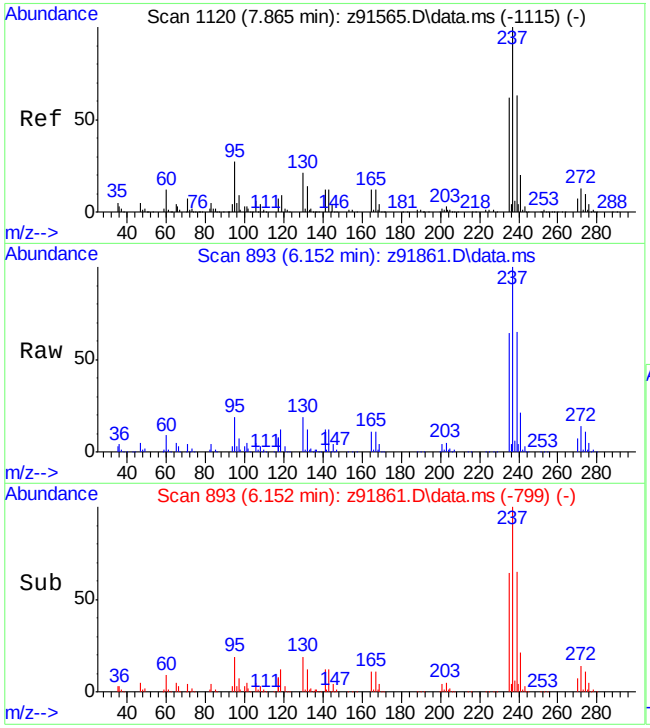


#46
Dimethylnaphthalene
Concen: 43.36 ppb
RT: 6.692 min Scan# 994
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:156 Resp: 898145

Ion	Ratio	Lower	Upper
156	100		
141	69.0	39.1	99.1
155	34.6	5.0	65.0

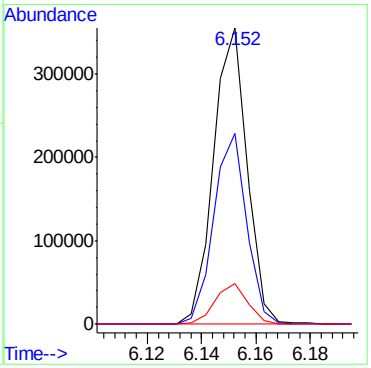


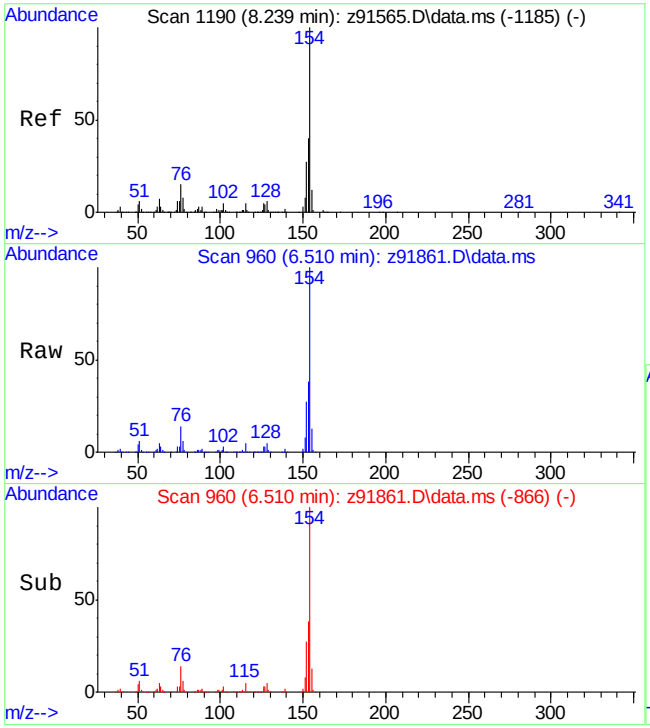


#48
Hexachlorocyclopentadiene
Concen: 56.94 ppb
RT: 6.152 min Scan# 893
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:237 Resp: 303432

Ion	Ratio	Lower	Upper
237	100		
235	64.3	33.9	93.9
272	13.7	0.0	43.3

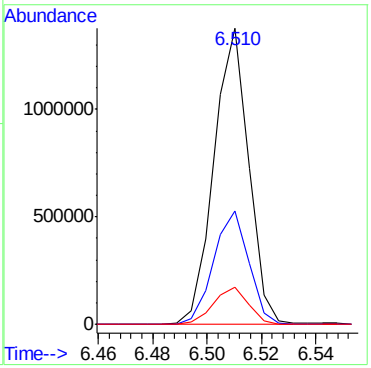


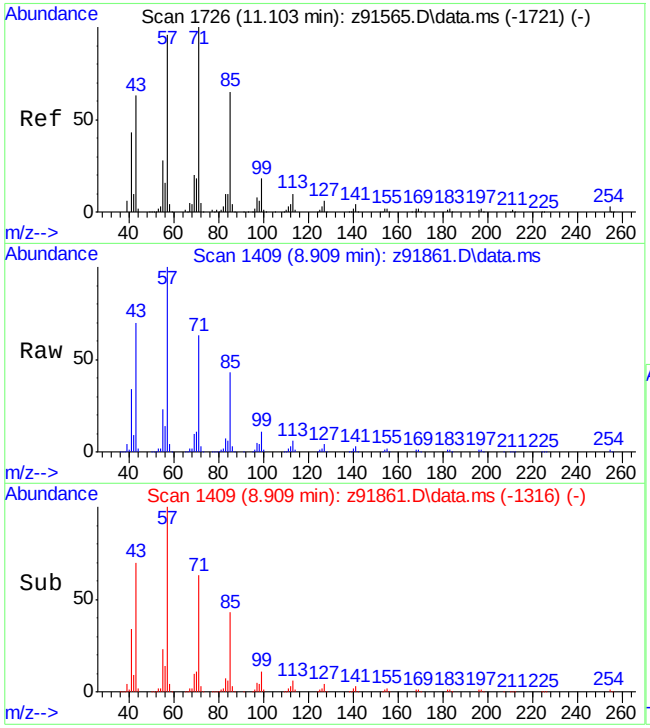


#53
Biphenyl
Concen: 42.66 ppb
RT: 6.510 min Scan# 960
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:154 Resp: 1216191

Ion	Ratio	Lower	Upper
154	100		
153	38.3	9.3	69.3
155	12.5	0.0	42.4

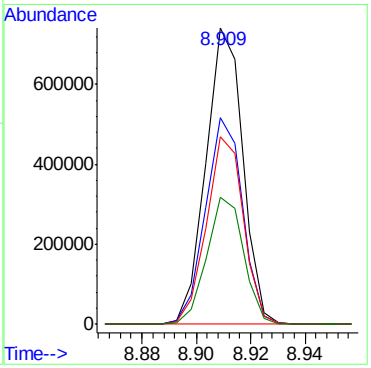


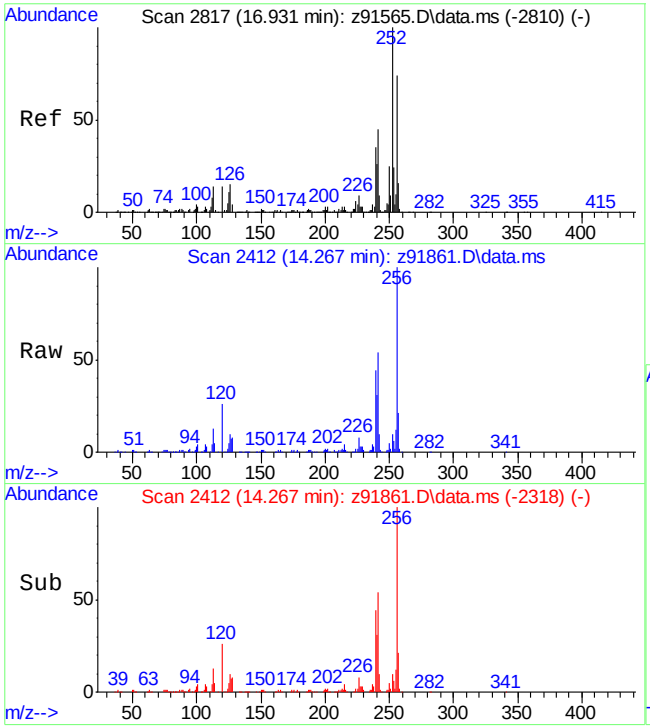


#82
Octadecane
Concen: 45.17 ppb
RT: 8.909 min Scan# 1409
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 57 Resp: 696175

Ion	Ratio	Lower	Upper
57	100		
43	69.7	36.3	96.3
71	63.4	36.7	96.7
85	42.9	16.1	76.1

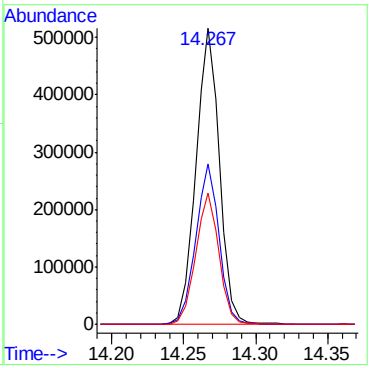




#100
7,12-Dimethylbenz(a)anthracene
Concen: 53.28 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:256 Resp: 592112

Ion	Ratio	Lower	Upper
256	100		
241	54.3	25.5	85.5
239	44.3	14.2	74.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91862.D
Acq On : 27 May 2014 4:08 pm
Operator : ashleyv
Sample : ICV4569-50, aniline
Misc : op73791,ez4571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 16:51:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

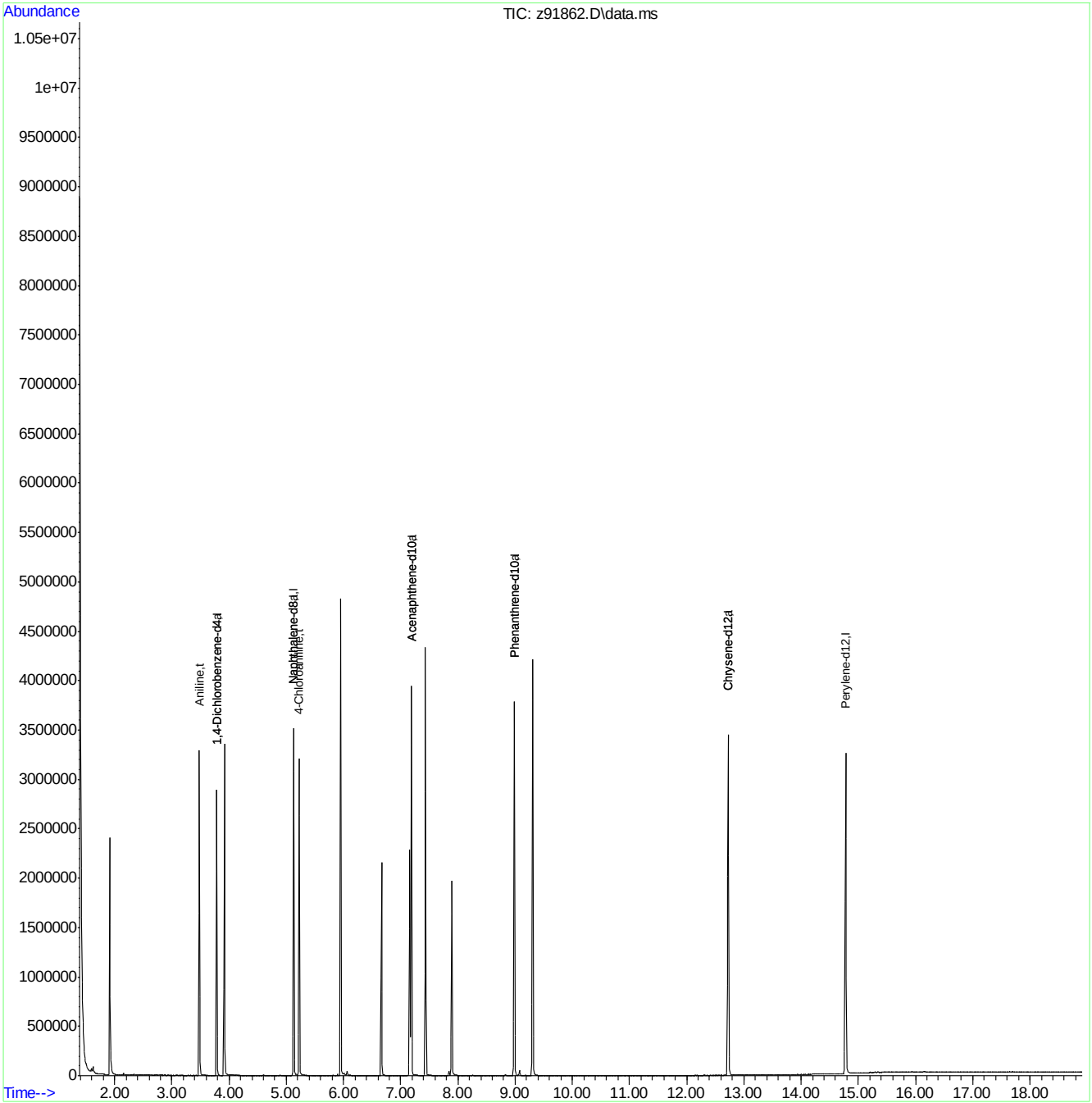
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	402904	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1607360	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	895094	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1499779	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	1493634	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1357234	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	402904	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1499779	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	1493634	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	895094	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1607360	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%		
106) 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
10) Aniline	3.476	93	1146579	54.22	ppb	99
39) 4-Chloroaniline	5.223	127	910290	51.48	ppb	98

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

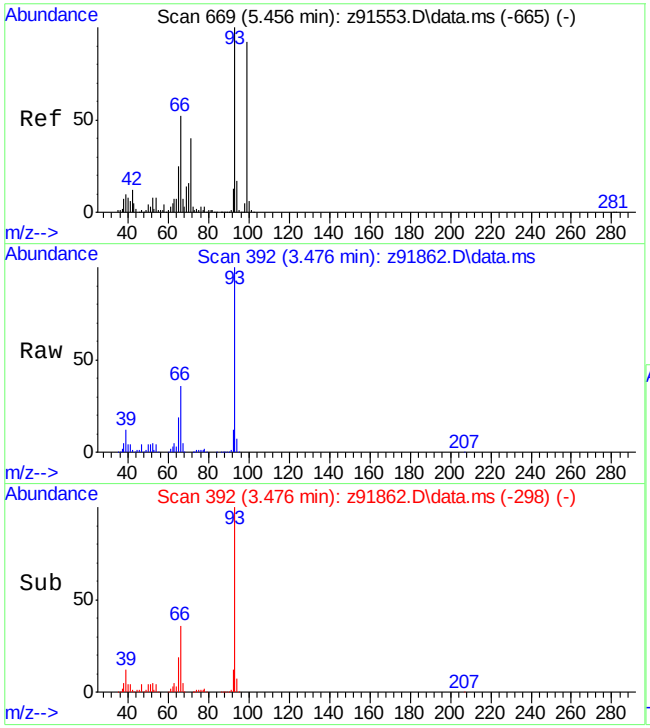
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91862.D
Acq On : 27 May 2014 4:08 pm
Operator : ashleyv
Sample : ICV4569-50, aniline
Misc : op73791,ez4571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 16:51:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration



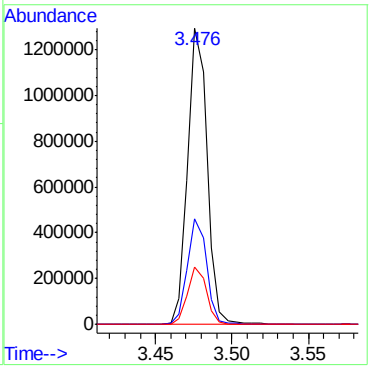
ACCUTEST LABORATORIES JB67744

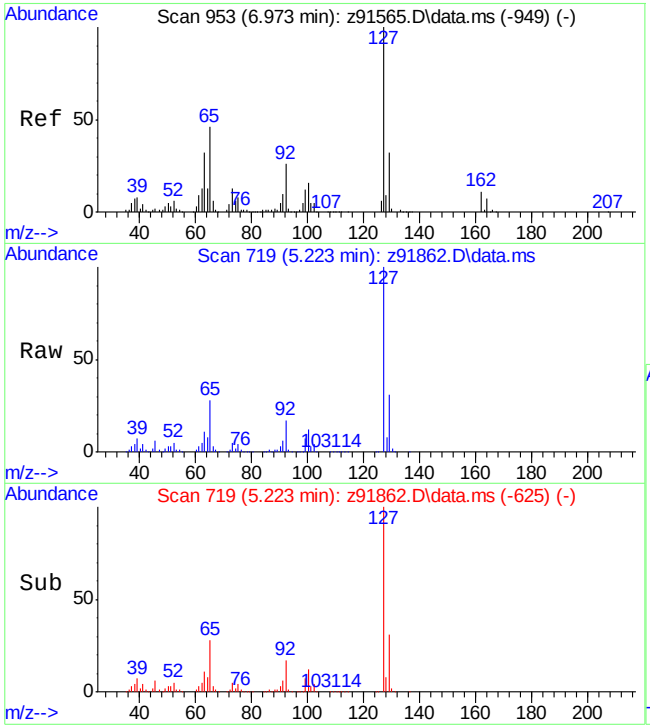


#10
Aniline
Concen: 54.22 ppb
RT: 3.476 min Scan# 392
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

Tgt Ion: 93 Resp: 1146579

Ion	Ratio	Lower	Upper
93	100		
66	35.8	4.6	64.6
65	19.4	0.0	49.2

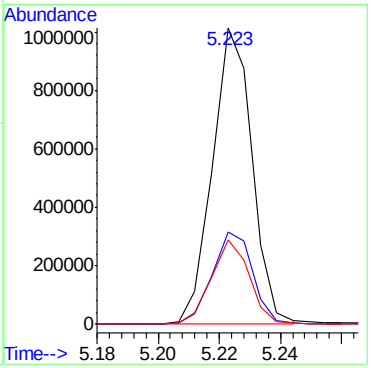




#39
4-Chloroaniline
Concen: 51.48 ppb
RT: 5.223 min Scan# 719
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

Tgt Ion:127 Resp: 910290

Ion	Ratio	Lower	Upper
127	100		
129	31.3	1.7	61.7
65	28.3	0.0	56.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4571-50, benzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:15:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	2040121	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1956724	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	542301	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1993923	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	2040121	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	1183176	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	2147798	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%		
106) 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
108) Benzidine	10.843	184	1815875	86.70	ppb	98

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

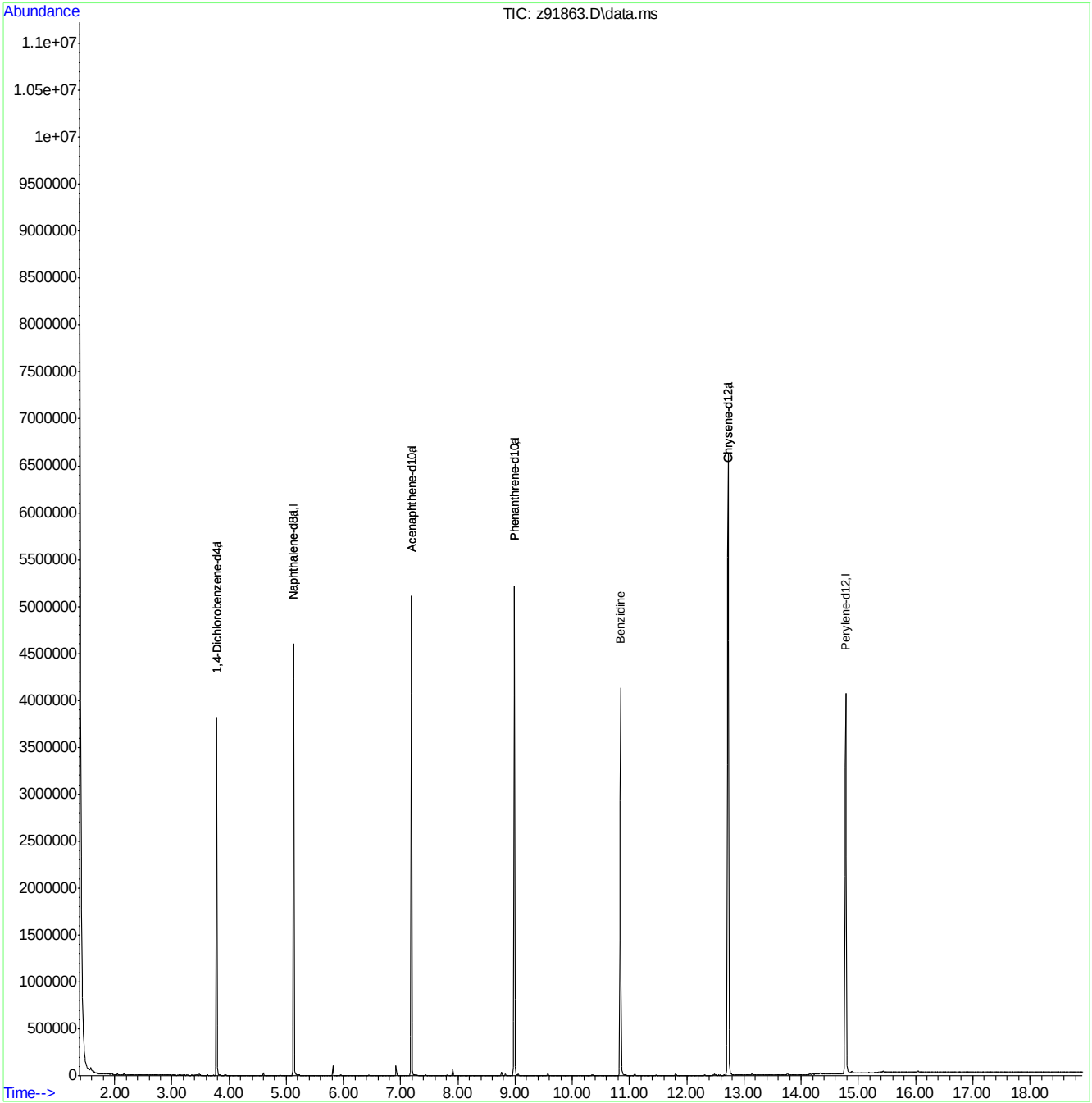
9.6.106

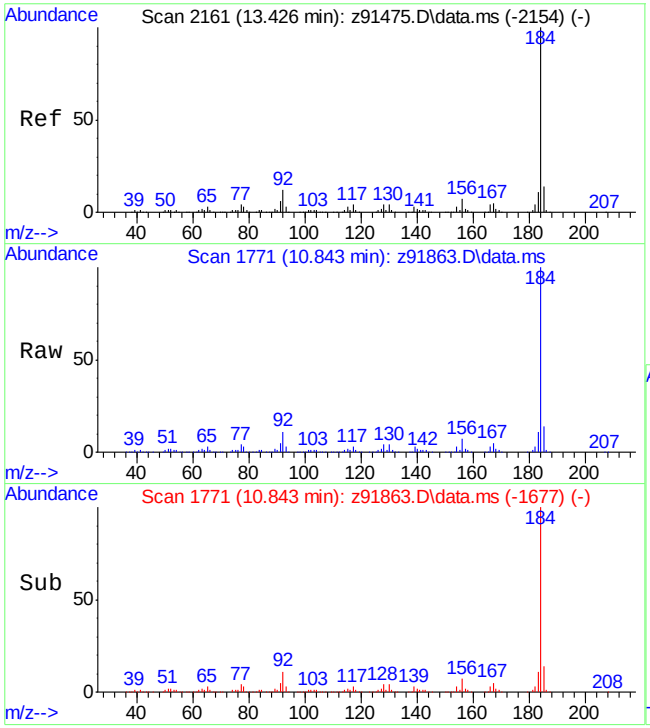
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4571-50, benzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:15:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

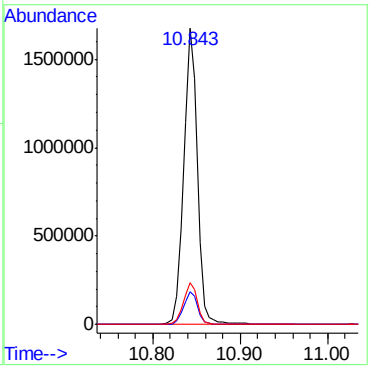




#108
Benzidine
Concen: 86.70 ppb
RT: 10.843 min Scan# 1771
Delta R.T. -0.000 min
Lab File: z91863.D
Acq: 27 May 2014 4:34 pm

Tgt Ion:184 Resp: 1815875

Ion	Ratio	Lower	Upper
184	100		
183	11.1	0.0	42.0
185	14.1	0.0	43.6



9.6.106

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863a.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4569-50, 3.3'-Diclorobenzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

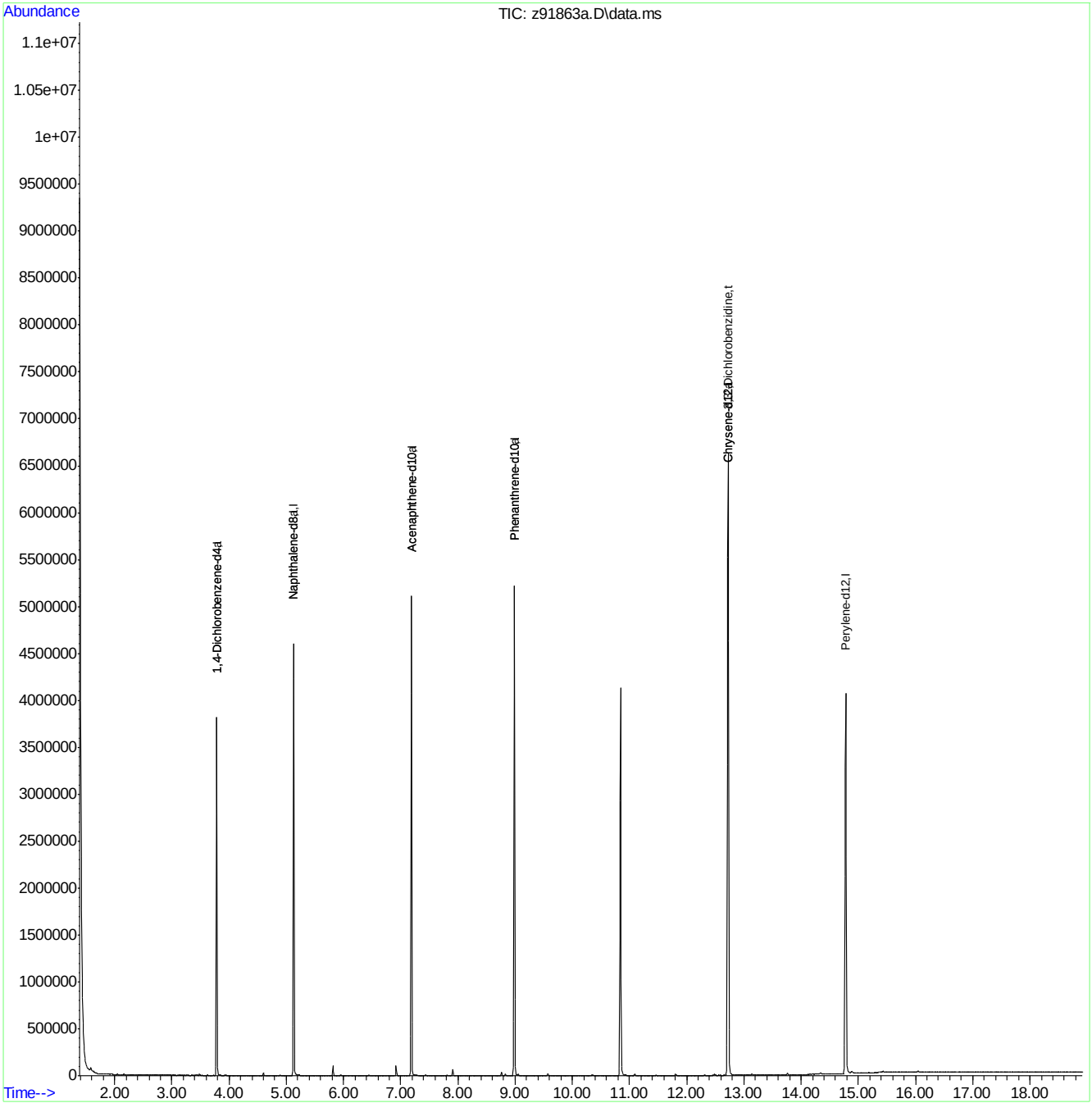
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	2040121	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1956724	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	542301	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1993923	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	2040121	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	1183176	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	2147798	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%		
106) 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	12.723	252	914726	49.59	ppb	99

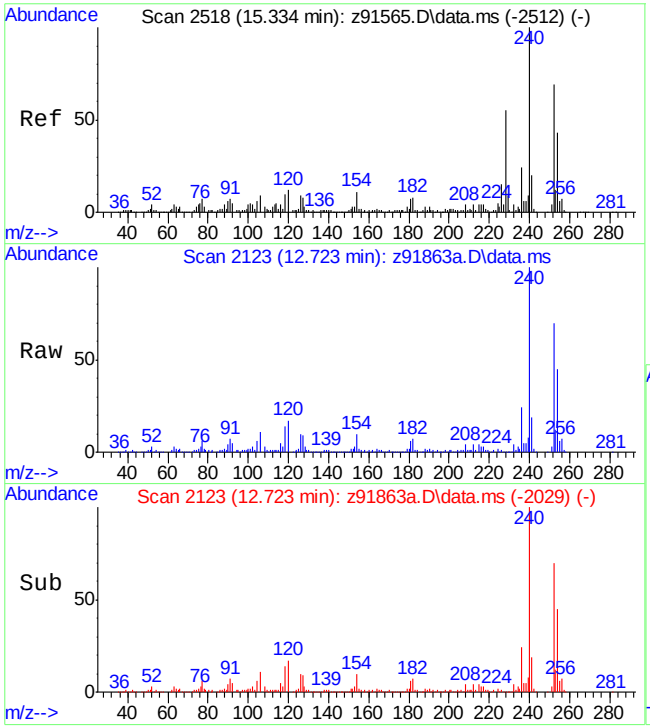
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863a.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4569-50, 3.3'-Diclorobenzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

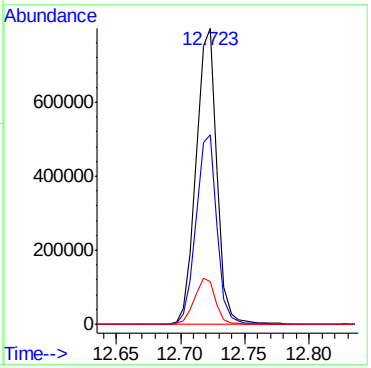




#89
3,3'-Dichlorobenzidine
Concen: 49.59 ppb
RT: 12.723 min Scan# 2123
Delta R.T. -0.000 min
Lab File: z91863a.D
Acq: 27 May 2014 4:34 pm

Tgt Ion:252 Resp: 914726

Ion	Ratio	Lower	Upper
252	100		
254	64.1	33.8	93.8
126	14.4	0.0	46.0



9.6.107

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91864.D
Acq On : 27 May 2014 4:59 pm
Operator : ashleyv
Sample : ICV4569-50, surr
Misc : op73791,ez4571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 17:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 17:03:34 2014
Response via : Initial Calibration

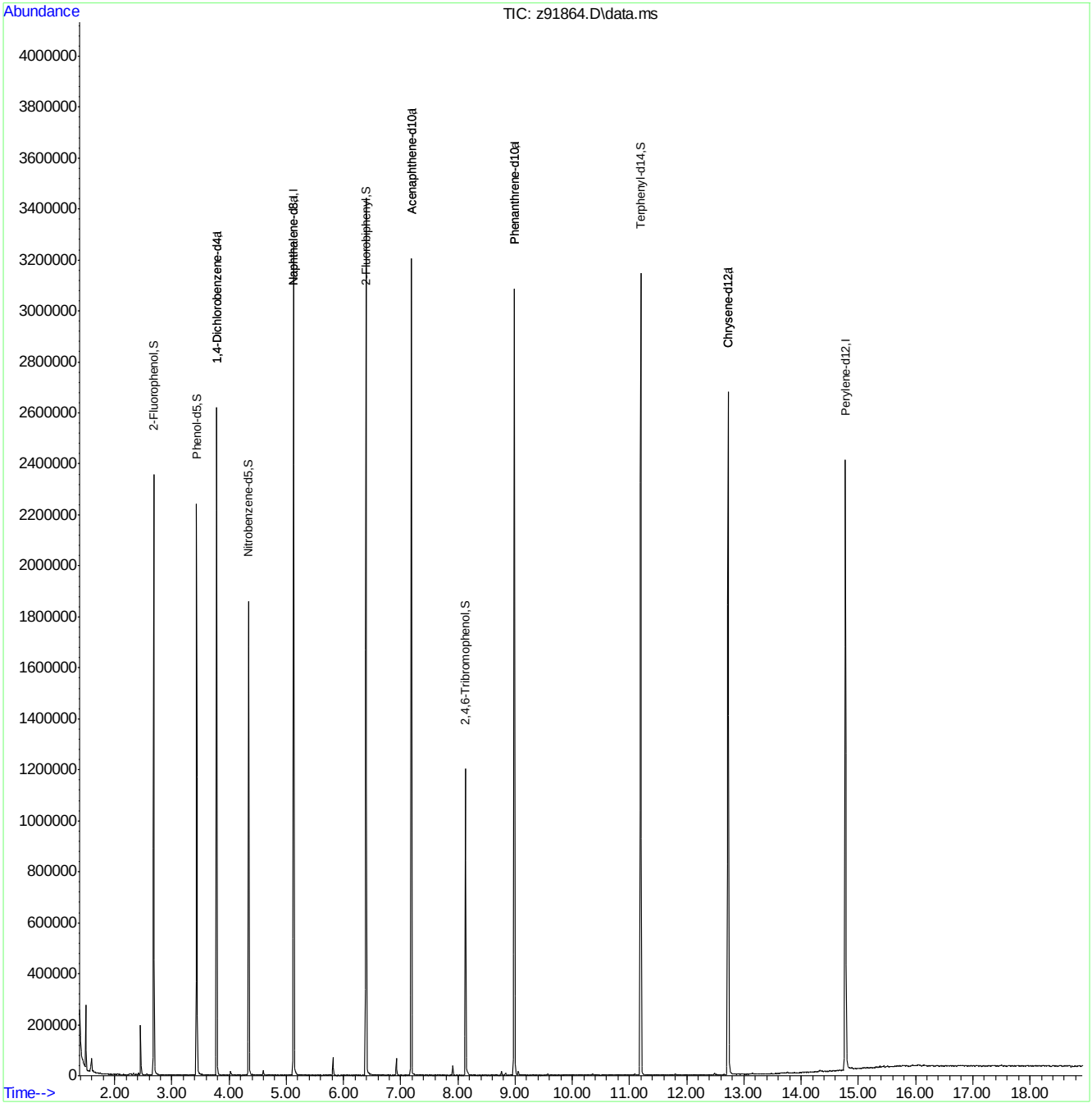
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	368875	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1430952	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	770103	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1246291	40.00	ppb	0.00
83) Chrysene-d12	12.723	240	1168420	40.00	ppb	-0.01
92) Perylene-d12	14.775	264	1005967	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	368875	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1246291	40.00	ppb	0.00
107) Chrysene-d12a	12.723	240	1168420	40.00	ppb	-0.01
110) Acenaphthene-d10a	7.189	164	770103	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1430952	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.680	112	561087	44.51	ppb	0.00
Spiked Amount 50.000			Recovery = 89.02%			
8) Phenol-d5	3.433	99	681824	42.95	ppb	0.00
Spiked Amount 50.000			Recovery = 85.90%			
25) Nitrobenzene-d5	4.341	82	563433	44.68	ppb	0.00
Spiked Amount 50.000			Recovery = 89.36%			
51) 2-Fluorobiphenyl	6.393	172	1109245	45.44	ppb	0.00
Spiked Amount 50.000			Recovery = 90.88%			
73) 2,4,6-Tribromophenol	8.134	330	130228	42.76	ppb	0.00
Spiked Amount 50.000			Recovery = 85.52%			
86) Terphenyl-d14	11.195	244	1173725	49.95	ppb	0.00
Spiked Amount 50.000			Recovery = 99.90%			
106) 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\ez4571\
Data File : z91864.D
Acq On : 27 May 2014 4:59 pm
Operator : ashleyv
Sample : ICV4569-50, surr
Misc : op73791,ez4571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 17:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 17:03:34 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91865.D
Acq On : 27 May 2014 5:25 pm
Operator : ashleyv
Sample : ICV4569-50, hq
Misc : op73791,ez4571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 28 11:53:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

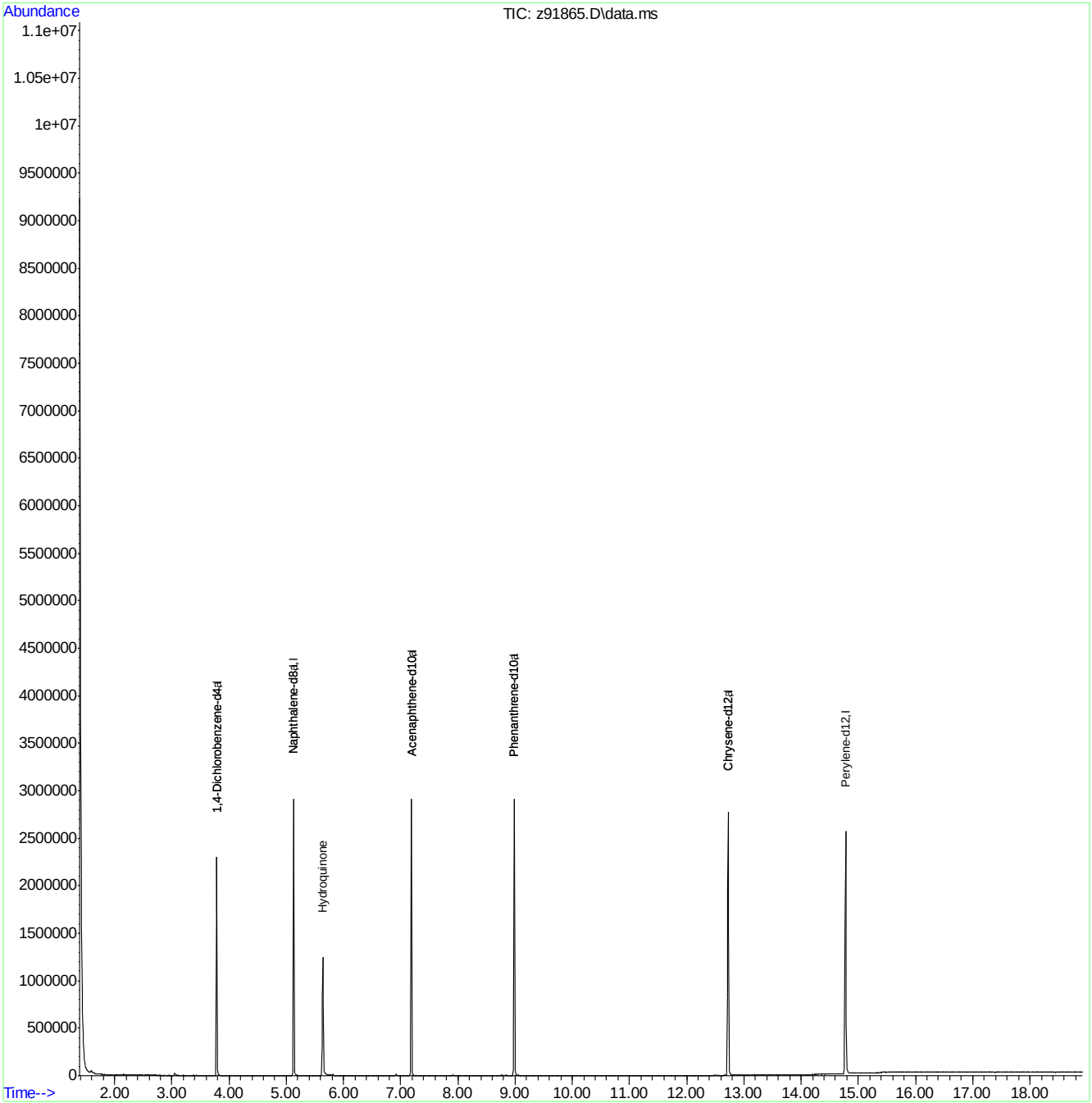
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	330274	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1293309	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	705500	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1211824	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	1231893	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1123522	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	330274	40.00	ppb	0.00
104) Phenanthrene-d10a	8.984	188	1211824	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	1231893	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	705500	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1293309	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%		
106) 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	5.640	110	601697	61.88	ppb	77

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

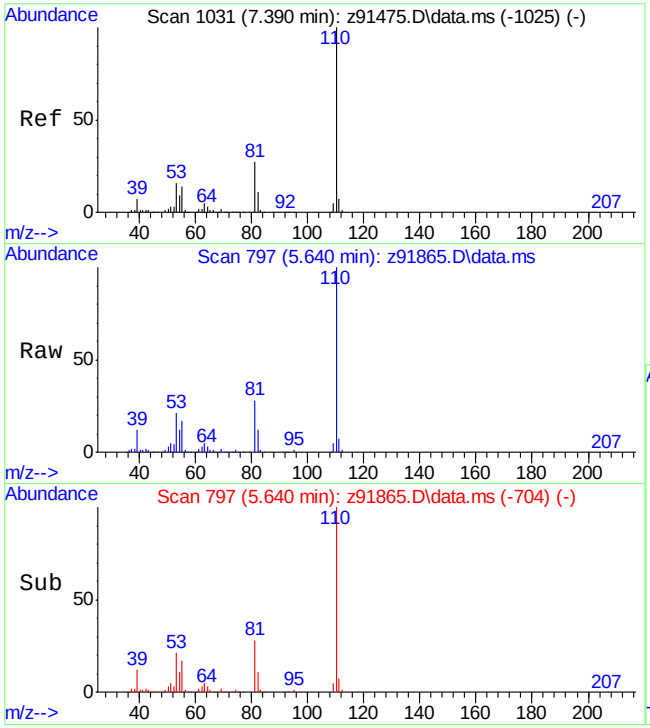
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91865.D
Acq On : 27 May 2014 5:25 pm
Operator : ashleyv
Sample : ICV4569-50, hq
Misc : op73791,ez4571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 28 11:53:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration



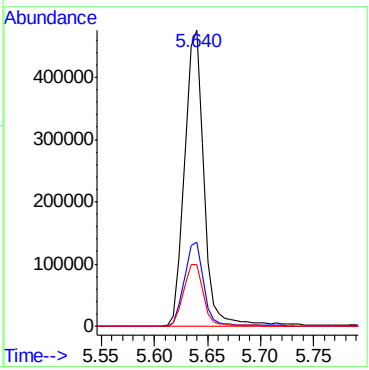
ACCUTEST LABORATORIES JB67744



#113
Hydroquinone
Concen: 61.88 ppb
RT: 5.640 min Scan# 797
Delta R.T. -0.004 min
Lab File: z91865.D
Acq: 27 May 2014 5:25 pm

Tgt Ion:110 Resp: 601697

Ion	Ratio	Lower	Upper
110	100		
81	28.3	18.6	78.6
53	20.9	0.0	55.0



9.6.109

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.780	152	240460	40.00	ppb		0.00
24) Naphthalene-d8	5.121	136	941097	40.00	ppb		-0.01
47) Acenaphthene-d10	7.178	164	518716	40.00	ppb		-0.01
69) Phenanthrene-d10	8.978	188	880239	40.00	ppb		-0.01
83) Chrysene-d12	12.718	240	907095	40.00	ppb		-0.02
92) Perylene-d12	14.769	264	805740	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	3.780	152	240460	40.00	ppb		0.00
104) Phenanthrene-d10a	8.978	188	880239	40.00	ppb		-0.01
107) Chrysene-d12a	12.718	240	907095	40.00	ppb		-0.02
110) Acenaphthene-d10a	7.178	164	518716	40.00	ppb		-0.01
112) Naphthalene-d8a	5.121	136	941097	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	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%			
106) 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	3.444	94	518537	44.64	ppb		89
12) 2-Chlorophenol	3.588	128	425856	45.99	ppb		98
19) 2-Methylphenol	4.026	108	371402	47.63	ppb		97
21) 3&4-Methylphenol	4.186	108	391950	46.83	ppb		100
29) 2-Nitrophenol	4.705	139	210728	49.09	ppb		84
30) 2,4-Dimethylphenol	4.758	107	395728	55.27	ppb		99
31) Benzoic Acid	4.886	105	182724	45.61	ppb	#	63
33) 2,4-Dichlorophenol	4.972	162	323644	49.30	ppb		99
34) 2,6-Dichlorophenol	5.228	162	317513	49.32	ppb		99
43) 4-Chloro-3-methylphenol	5.800	107	336540	48.25	ppb		96
49) 2,4,6-Trichlorophenol	6.291	196	227925	50.63	ppb		99
50) 2,4,5-Trichlorophenol	6.334	196	242382	50.76	ppb		99
60) 2,4-Dinitrophenol	7.269	184	86619	44.53	ppb		90
61) 4-Nitrophenol	7.386	109	101730	52.68	ppb	#	67
64) 2,3,4,6-Tetrachlorophenol	7.589	232	192903	49.90	ppb		97
70) 4,6-Dinitro-2-methylph...	7.915	198	132280	46.82	ppb		98
76) Pentachlorophenol	8.759	266	148873	54.30	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

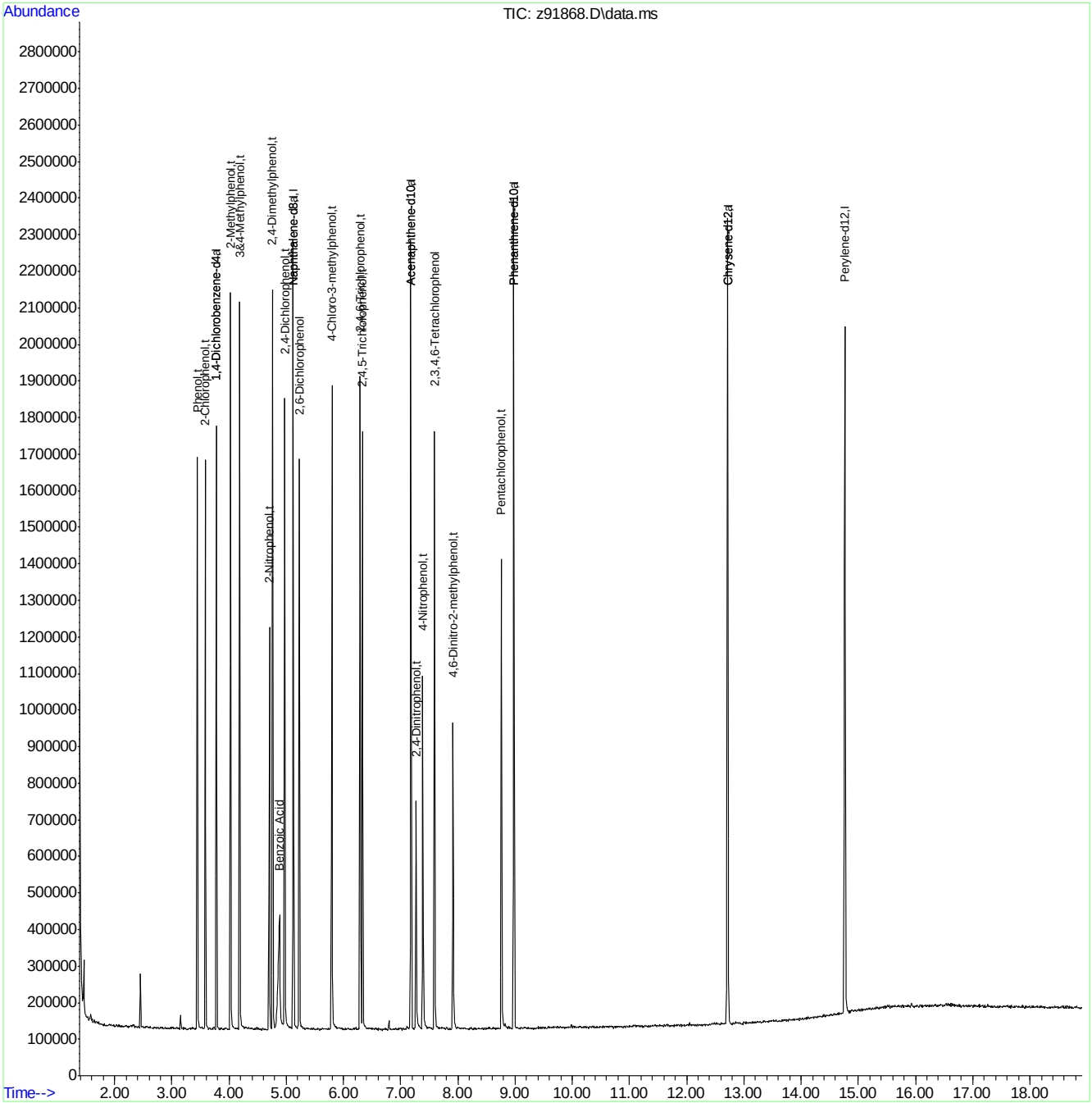
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

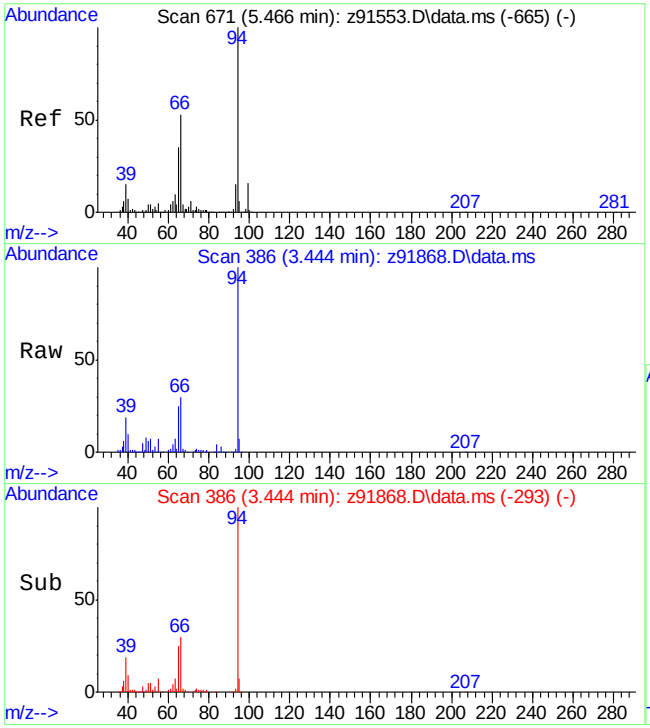
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91868.D
Acq On : 27 May 2014 9:04 pm
Operator : ashleyd
Sample : icv4569-50
Misc : op73791,ez4572
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 13:03:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration



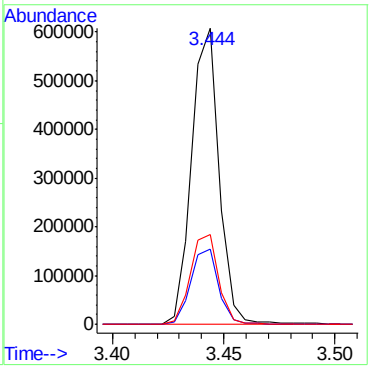
ACCUTEST LABORATORIES JB67744

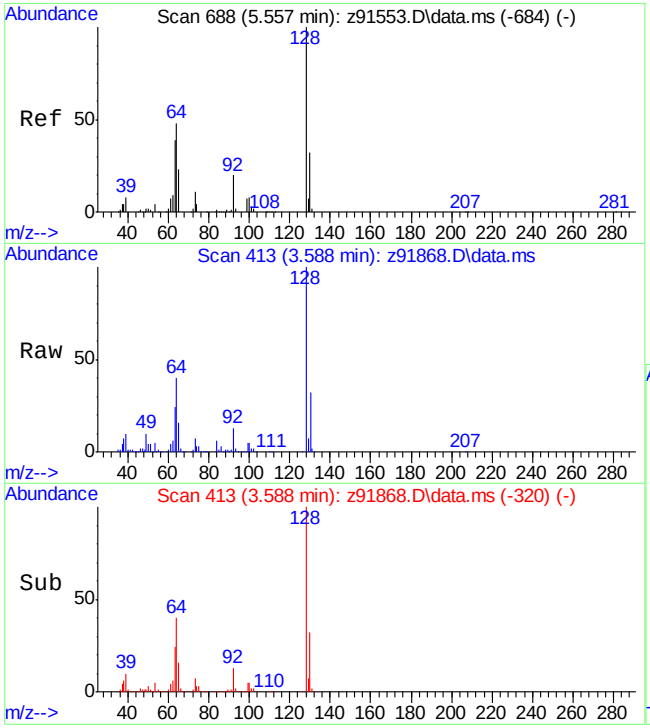


#9
Phenol
Concen: 44.64 ppb
RT: 3.444 min Scan# 386
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion: 94 Resp: 518537

Ion	Ratio	Lower	Upper
94	100		
65	25.2	0.0	51.5
66	30.2	0.0	53.3

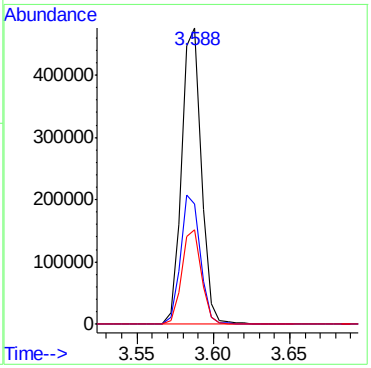


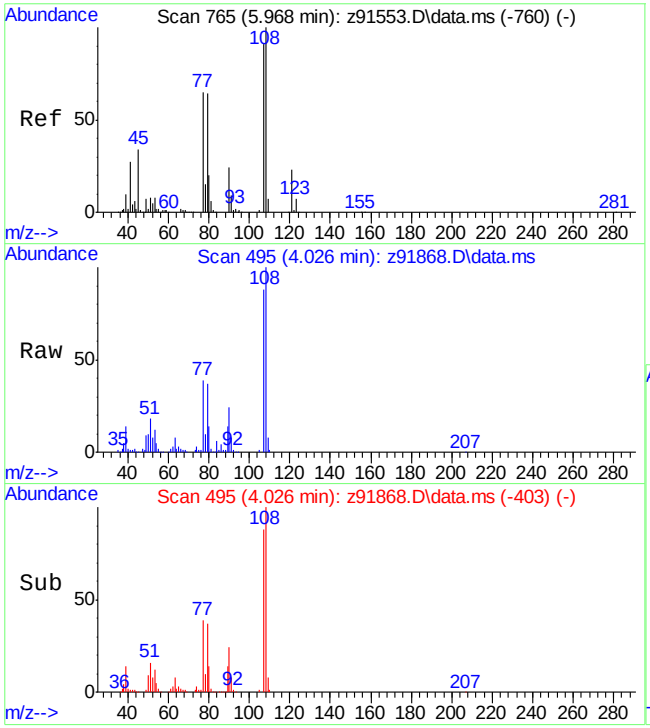


#12
2-Chlorophenol
Concen: 45.99 ppb
RT: 3.588 min Scan# 413
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:128 Resp: 425856

Ion	Ratio	Lower	Upper
128	100		
64	40.5	12.8	72.8
130	31.8	1.7	61.7

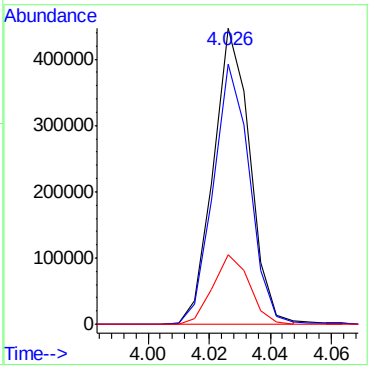


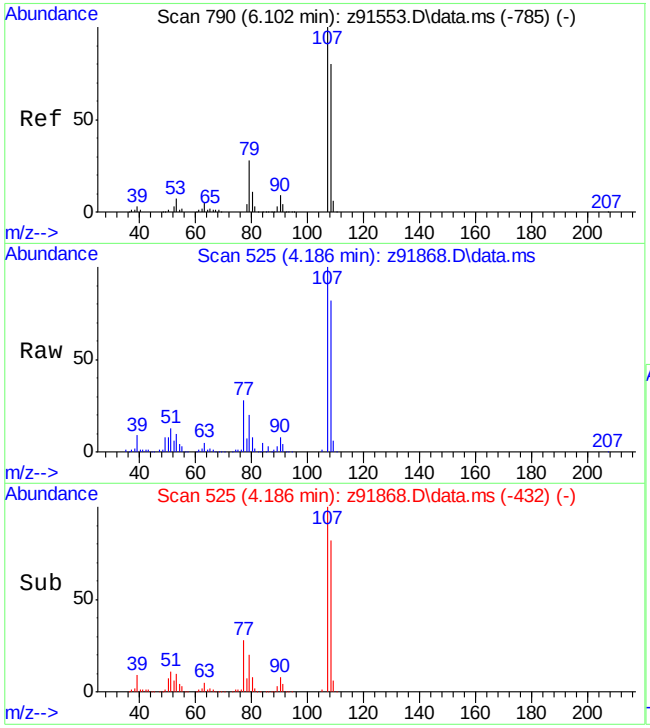


#19
2-Methylphenol
Concen: 47.63 ppb
RT: 4.026 min Scan# 495
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:108 Resp: 371402

Ion	Ratio	Lower	Upper
108	100		
107	87.9	56.2	116.2
90	23.6	0.0	56.1

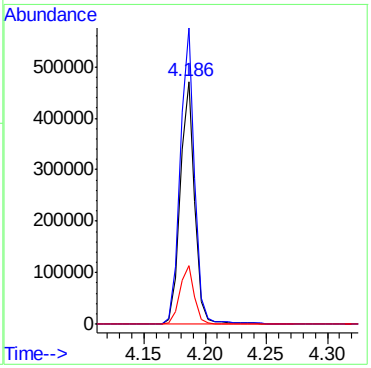


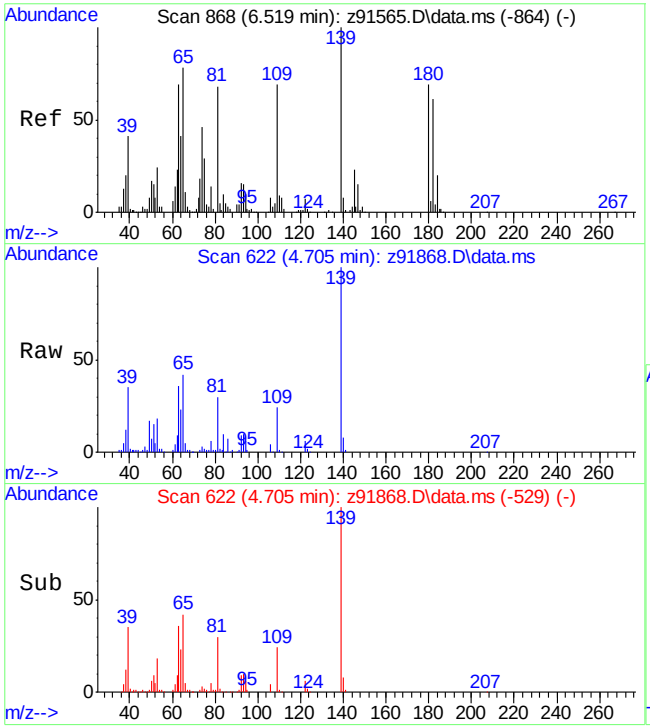


#21
3&4-Methylphenol
Concen: 46.83 ppb
RT: 4.186 min Scan# 525
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:108 Resp: 391950

Ion	Ratio	Lower	Upper
108	100		
107	121.9	91.7	151.7
79	24.1	0.0	54.5

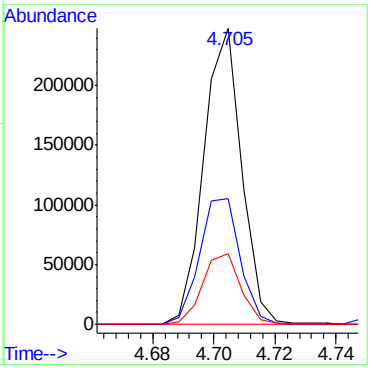


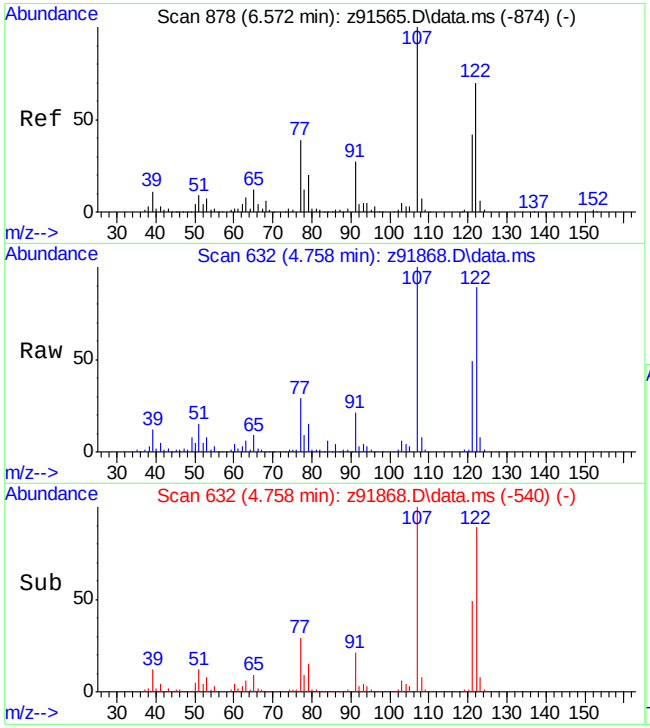


#29
2-Nitrophenol
Concen: 49.09 ppb
RT: 4.705 min Scan# 622
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:139 Resp: 210728

Ion	Ratio	Lower	Upper
139	100		
65	42.4	10.4	70.4
109	24.0	11.9	71.9

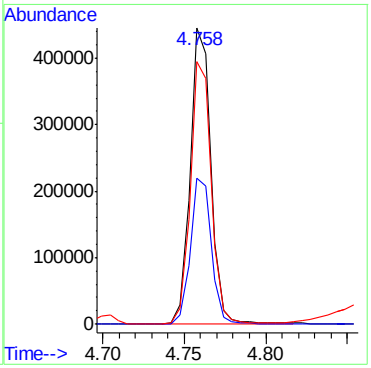


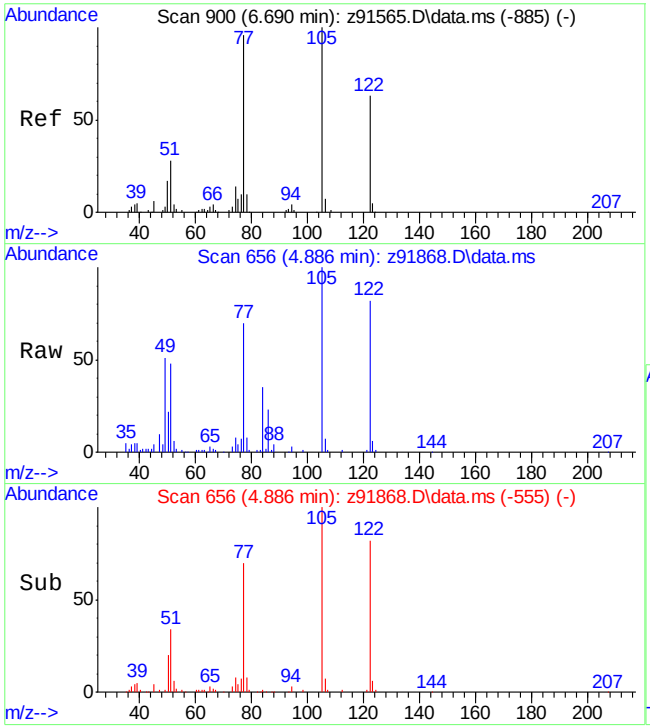


#30
2,4-Dimethylphenol
Concen: 55.27 ppb
RT: 4.758 min Scan# 632
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:107 Resp: 395728

Ion	Ratio	Lower	Upper
107	100		
121	49.3	20.1	80.1
122	88.6	60.1	120.1

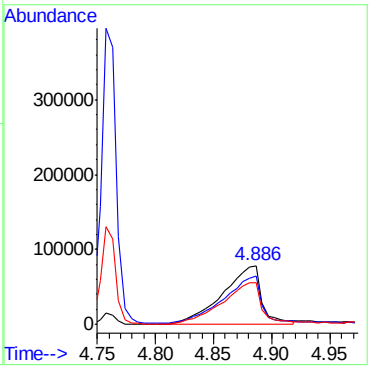


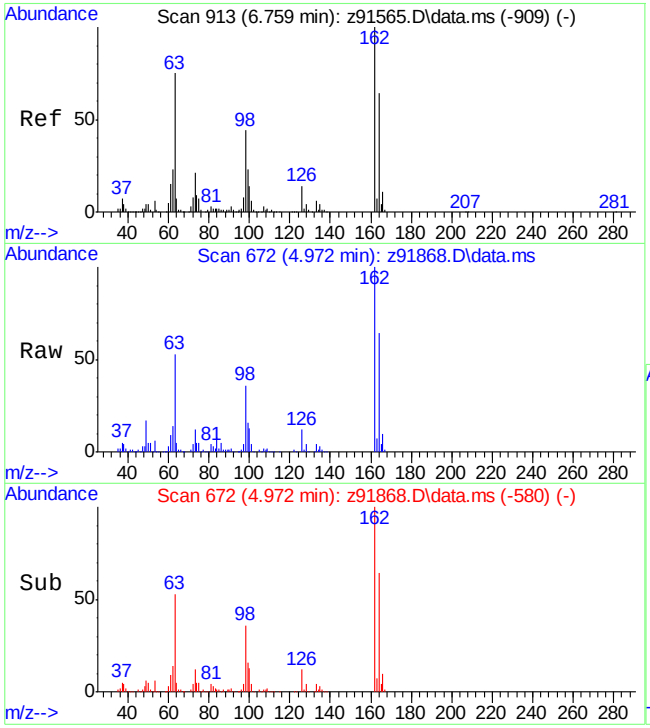


#31
Benzoic Acid
Concen: 45.61 ppb
RT: 4.886 min Scan# 656
Delta R.T. 0.037 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:105 Resp: 182724

Ion	Ratio	Lower	Upper
105	100		
122	78.5	86.2	126.2#
77	73.5	13.9	53.9#

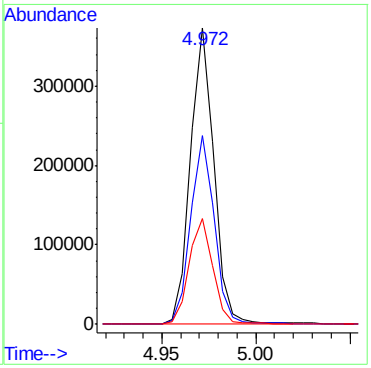


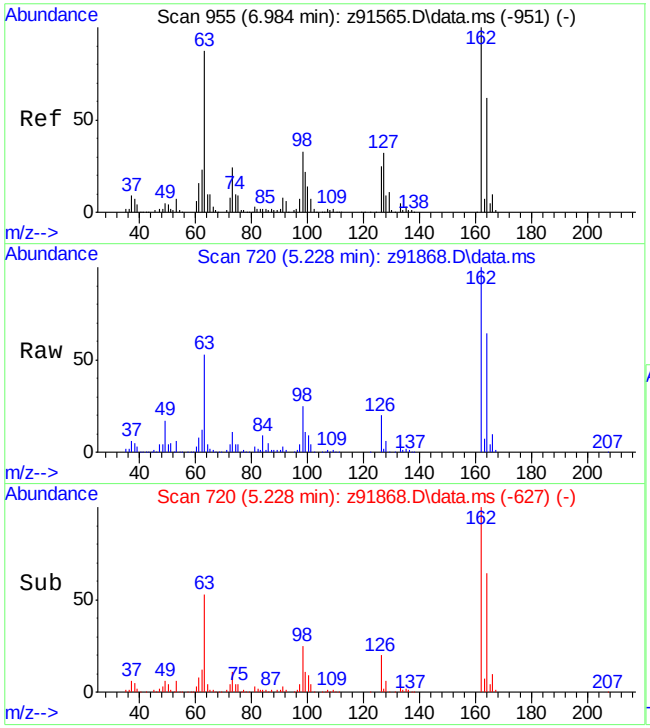


#33
2,4-Dichlorophenol
Concen: 49.30 ppb
RT: 4.972 min Scan# 672
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:162 Resp: 323644

Ion	Ratio	Lower	Upper
162	100		
164	63.5	33.9	93.9
98	35.8	7.5	67.5

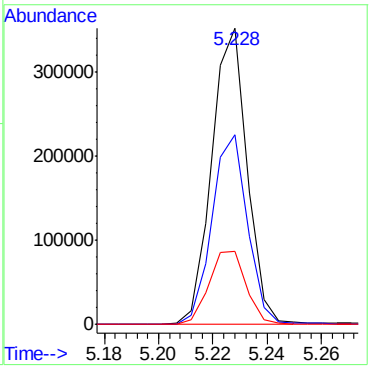


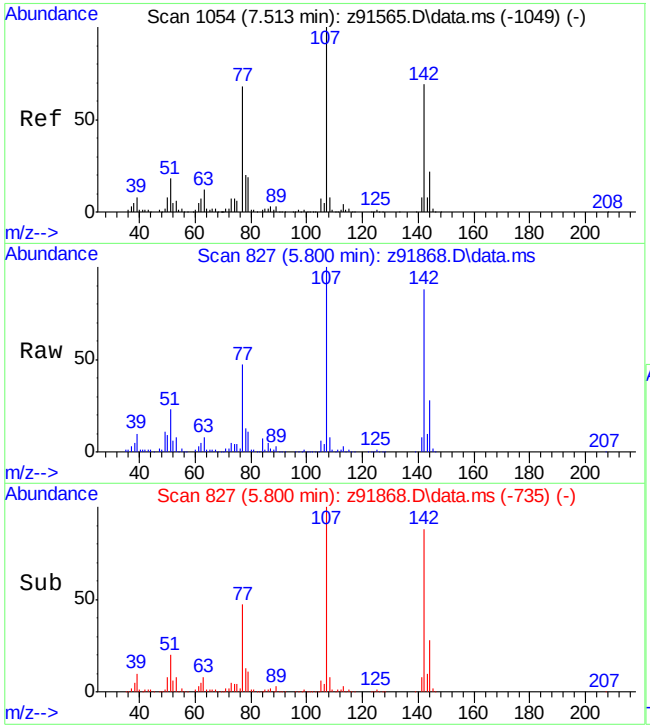


#34
2,6-Dichlorophenol
Concen: 49.32 ppb
RT: 5.228 min Scan# 720
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:162 Resp: 317513

Ion	Ratio	Lower	Upper
162	100		
164	64.3	34.1	94.1
98	26.1	0.0	56.7

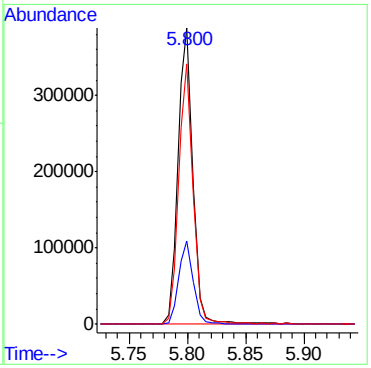


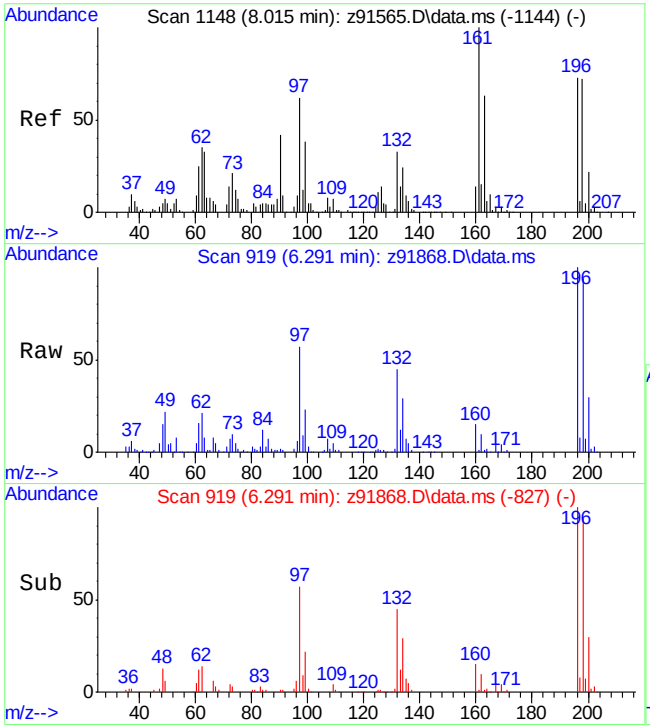


#43
4-Chloro-3-methylphenol
Concen: 48.25 ppb
RT: 5.800 min Scan# 827
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:107 Resp: 336540

Ion	Ratio	Lower	Upper
107	100		
144	28.2	0.0	56.5
142	88.1	53.7	113.7

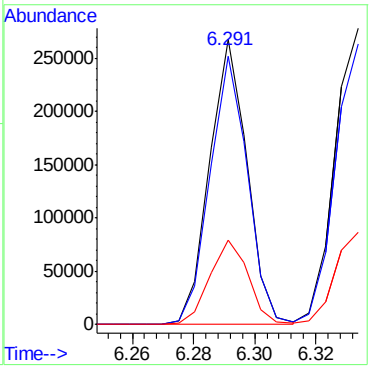


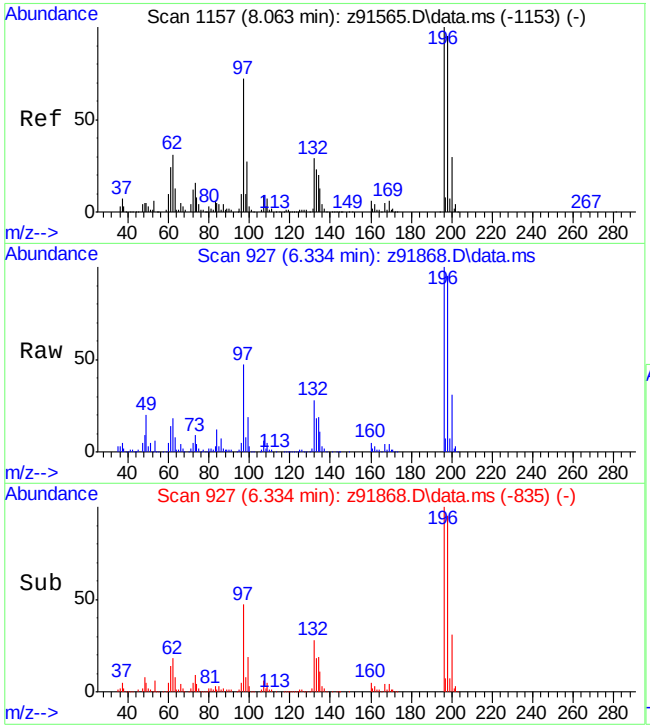


#49
2,4,6-Trichlorophenol
Concen: 50.63 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:196 Resp: 227925

Ion	Ratio	Lower	Upper
196	100		
198	94.0	63.0	123.0
200	29.7	0.0	59.7

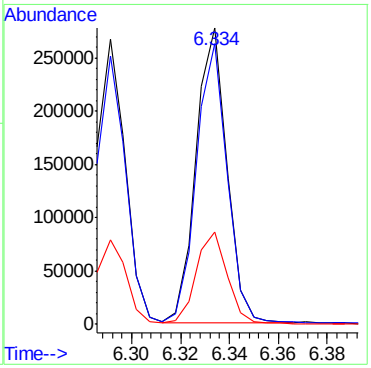


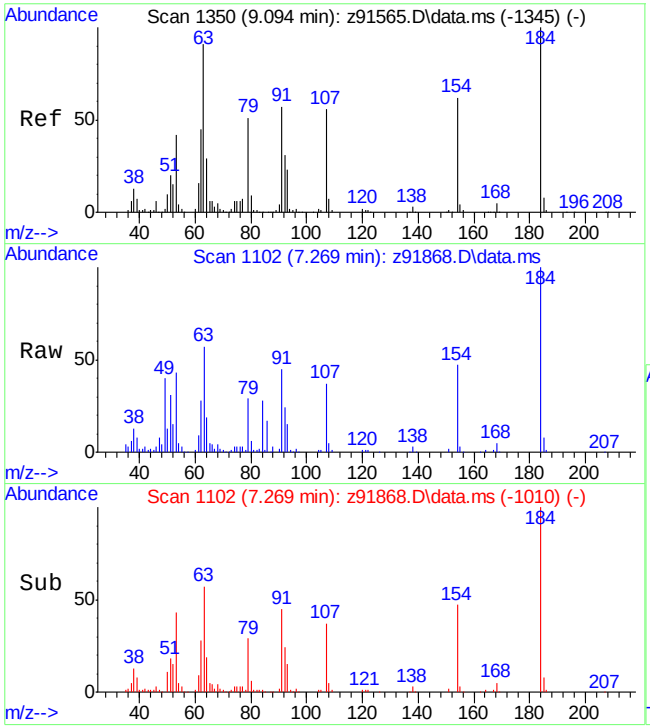


#50
2,4,5-Trichlorophenol
Concen: 50.76 ppb
RT: 6.334 min Scan# 927
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:196 Resp: 242382

Ion	Ratio	Lower	Upper
196	100		
198	94.8	63.9	123.9
200	31.1	0.0	59.8

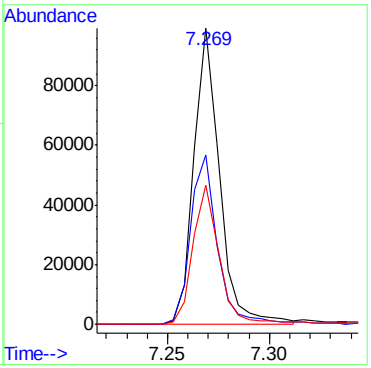


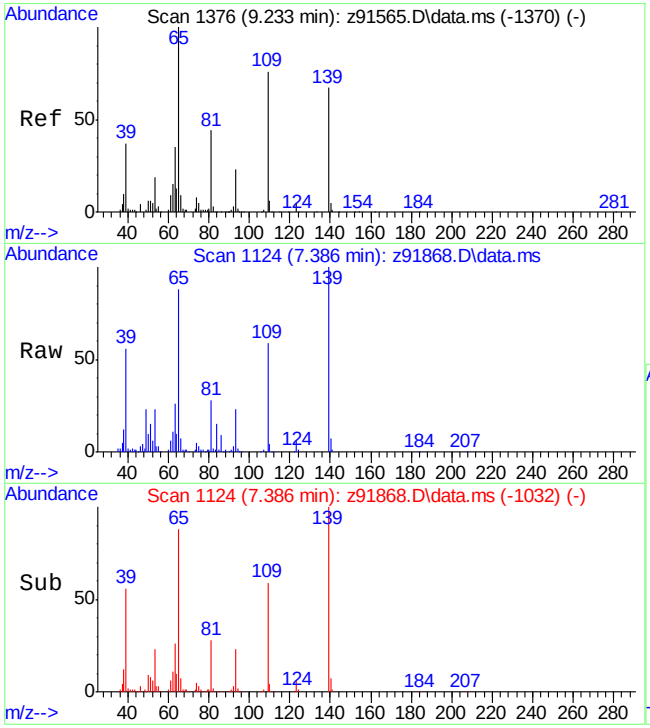


#60
2,4-Dinitrophenol
Concen: 44.53 ppb
RT: 7.269 min Scan# 1102
Delta R.T. -0.010 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:184 Resp: 86619

Ion	Ratio	Lower	Upper
184	100		
63	57.1	18.2	78.2
154	46.7	12.4	72.4

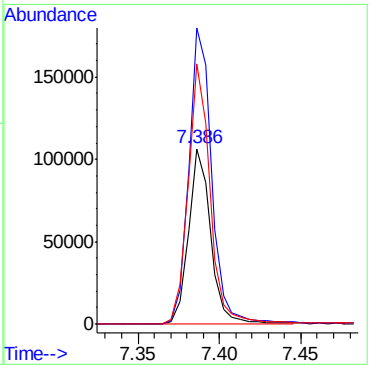


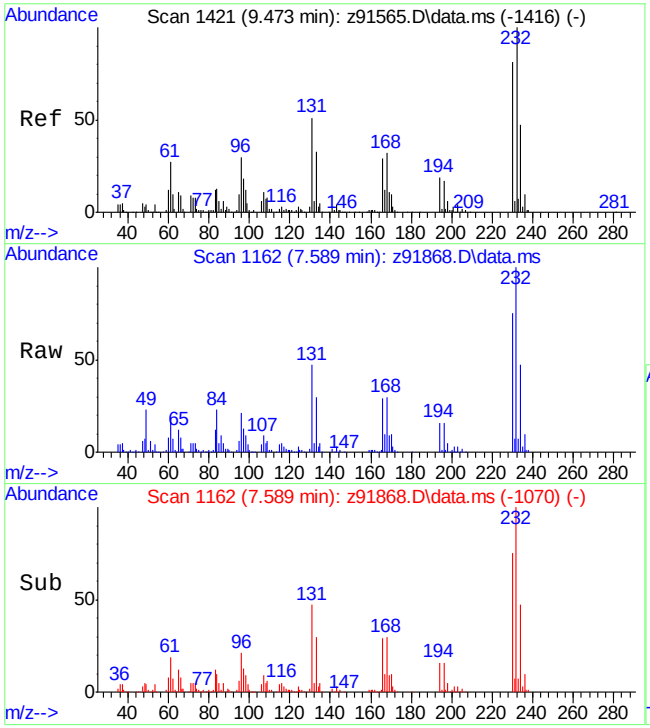


#61
4-Nitrophenol
Concen: 52.68 ppb
RT: 7.386 min Scan# 1124
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:109 Resp: 101730

Ion	Ratio	Lower	Upper
109	100		
139	169.0	60.2	120.2#
65	148.7	123.7	183.7

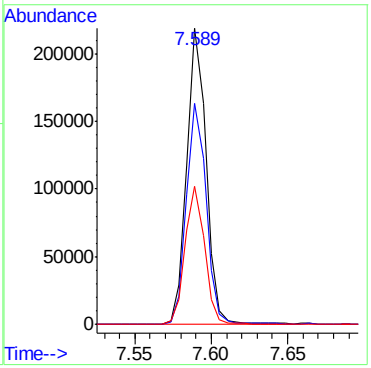


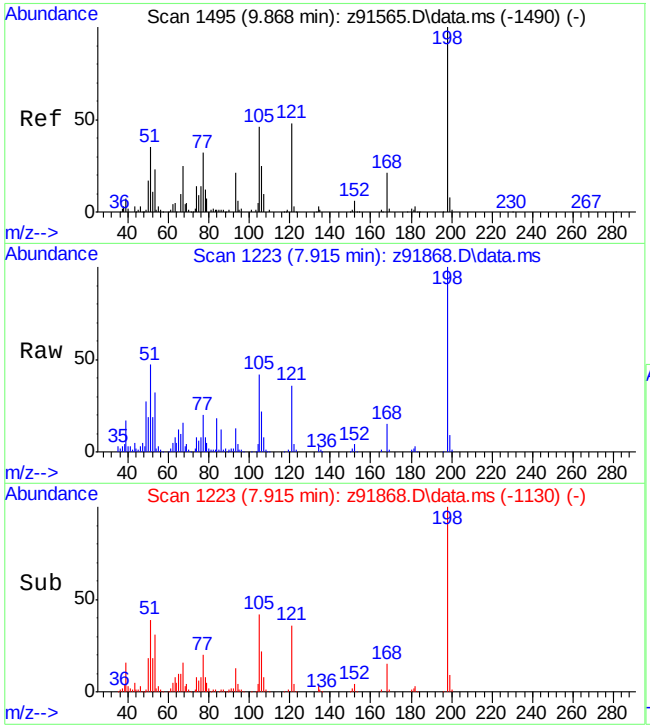


#64
2,3,4,6-Tetrachlorophenol
Concen: 49.90 ppb
RT: 7.589 min Scan# 1162
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:232 Resp: 192903

Ion	Ratio	Lower	Upper
232	100		
230	74.5	48.9	108.9
131	46.8	17.4	77.4

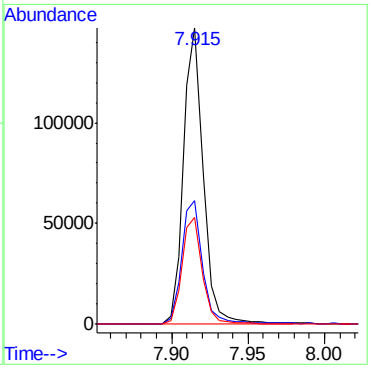


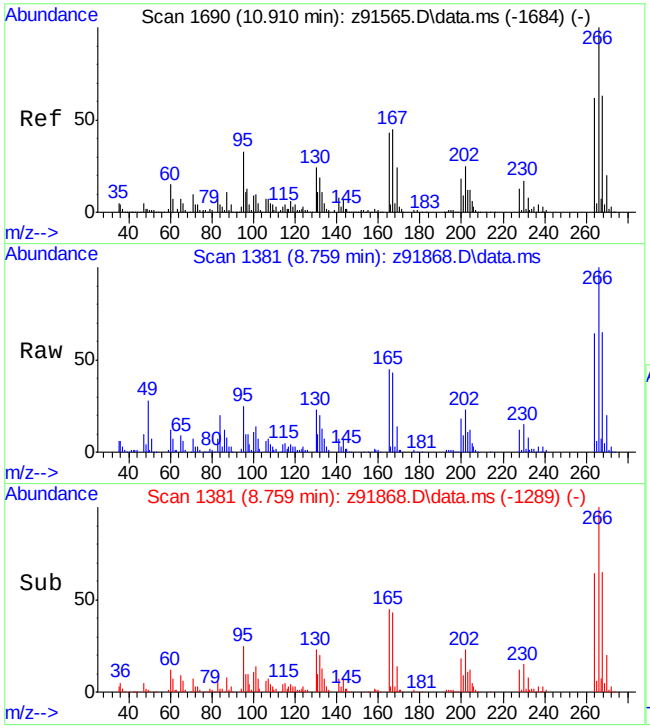


#70
4,6-Dinitro-2-methylphenol
Concen: 46.82 ppb
RT: 7.915 min Scan# 1223
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:198 Resp: 132280

Ion	Ratio	Lower	Upper
198	100		
105	41.3	12.1	72.1
121	36.2	5.1	65.1

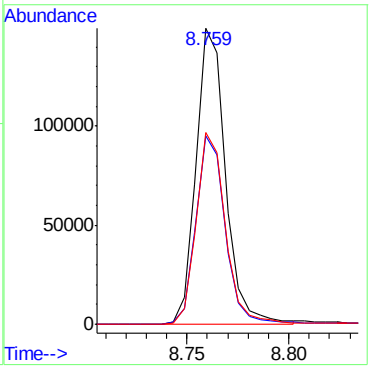




#76
Pentachlorophenol
Concen: 54.30 ppb
RT: 8.759 min Scan# 1381
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

Tgt Ion:266 Resp: 148873

Ion	Ratio	Lower	Upper
266	100		
264	63.5	33.3	93.3
268	64.8	33.0	93.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91924.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : cc4569-25
Misc : op73791,ez4575
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:34:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.764	152	302632	40.00	ppb	-0.02
24) Naphthalene-d8	5.105	136	1210626	40.00	ppb	-0.03
47) Acenaphthene-d10	7.162	164	680524	40.00	ppb	-0.03
69) Phenanthrene-d10	8.962	188	1136842	40.00	ppb	-0.03
83) Chrysene-d12	12.702	240	1149820	40.00	ppb	-0.03
92) Perylene-d12	14.753	264	1062730	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.764	152	302632	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.962	188	1136842	40.00	ppb	-0.03
107) Chrysene-d12a	12.702	240	1149820	40.00	ppb	-0.03
110) Acenaphthene-d10a	7.162	164	680524	40.00	ppb	-0.03
112) Naphthalene-d8a	5.105	136	1210626	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.664	112	261104	25.25	ppb	-0.02
Spiked Amount 50.000			Recovery = 50.50%			
8) Phenol-d5	3.417	99	328574	25.23	ppb	-0.02
Spiked Amount 50.000			Recovery = 50.46%			
25) Nitrobenzene-d5	4.320	82	270121	25.32	ppb	-0.03
Spiked Amount 50.000			Recovery = 50.64%			
51) 2-Fluorobiphenyl	6.371	172	538131	24.94	ppb	-0.03
Spiked Amount 50.000			Recovery = 49.88%			
73) 2,4,6-Tribromophenol	8.113	330	85930	30.93	ppb	-0.03
Spiked Amount 50.000			Recovery = 61.86%			
86) Terphenyl-d14	11.169	244	630779	27.28	ppb	-0.03
Spiked Amount 50.000			Recovery = 54.56%			
106) 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	1.734	88	108117	20.86	ppb	99
3) Pyridine	1.900	79	286597	21.35	ppb	98
4) N-Nitrosodimethylamine	1.868	74	164999	22.74	ppb	93
6) Indene	4.015	116	468006	22.84	ppb	98
7) Cumene	3.054	105	652174	22.50	ppb	99
9) Phenol	3.428	94	358881	24.55	ppb	95
10) Aniline	3.455	93	389271	24.51	ppb	80
11) bis(2-Chloroethyl)ether	3.497	93	243802	23.79	ppb	99
12) 2-Chlorophenol	3.567	128	286359	24.57	ppb	97
13) Decane	3.599	43	291208	21.01	ppb	97
14) 1,3-Dichlorobenzene	3.711	146	309965	24.70	ppb	98
15) 1,4-Dichlorobenzene	3.780	146	318489	24.77	ppb	98
16) Benzyl alcohol	3.893	108	189788	27.04	ppb	99
17) 1,2-Dichlorobenzene	3.930	146	295917	24.56	ppb	99
18) Acetophenone	4.160	105	392614	23.43	ppb	98
19) 2-Methylphenol	4.015	108	242188	24.68	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.026	121	84260	24.89	ppb	98
21) 3&4-Methylphenol	4.170	108	271025	25.73	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91924.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : cc4569-25
Misc : op73791,ez4575
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:34:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.160	70	187419	25.38	ppb		97
23) Hexachloroethane	4.272	201	102182	25.71	ppb		98
26) Nitrobenzene	4.341	77	290587	24.64	ppb		95
27) Quinoline	5.511	129	567414	23.40	ppb		99
28) Isophorone	4.592	82	504124	25.88	ppb		98
29) 2-Nitrophenol	4.683	139	154839	28.04	ppb		83
30) 2,4-Dimethylphenol	4.742	107	253200	27.49	ppb		98
31) Benzoic Acid	4.865	105	200293	38.86	ppb	#	65
32) bis(2-Chloroethoxy)met...	4.838	93	284398	24.01	ppb		99
33) 2,4-Dichlorophenol	4.956	162	225395	26.69	ppb		97
34) 2,6-Dichlorophenol	5.207	162	219145	26.46	ppb		99
35) 1,3,5-Trichlorobenzene	4.694	180	265598	22.56	ppb		99
36) 1,2,4-Trichlorobenzene	5.041	180	255037	25.36	ppb		100
37) 1,2,3-Trichlorobenzene	5.298	180	250344	22.49	ppb		96
38) Naphthalene	5.127	128	820459	24.30	ppb		99
39) 4-Chloroaniline	5.201	127	351686	26.41	ppb		99
40) 2,3-Dichloroaniline	6.270	161	274634	23.76	ppb		98
41) Caprolactam	5.586	55	132782	23.60	ppb		96
42) Hexachlorobutadiene	5.282	225	140870	25.92	ppb		98
43) 4-Chloro-3-methylphenol	5.789	107	246289	27.45	ppb		100
44) 2-Methylnaphthalene	5.928	141	464039	25.30	ppb		99
45) 1-Methylnaphthalene	6.040	141	465023	23.01	ppb		99
46) Dimethylnaphthalene	6.665	156	491331	24.00	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	294093	54.67	ppb		98
49) 2,4,6-Trichlorophenol	6.275	196	160176	27.12	ppb		99
50) 2,4,5-Trichlorophenol	6.323	196	171722	27.41	ppb		98
52) 2-Chloronaphthalene	6.500	162	507852	25.09	ppb		99
53) Biphenyl	6.484	154	653672	22.71	ppb		99
54) 2-Nitroaniline	6.639	65	156924	28.27	ppb		97
55) Dimethylphthalate	6.868	163	545283	25.22	ppb		99
56) Acenaphthylene	6.991	152	821021	25.81	ppb		99
57) 2,6-Dinitrotoluene	6.927	165	131373	29.65	ppb		97
58) 3-Nitroaniline	7.130	138	155702	27.81	ppb		92
59) Acenaphthene	7.199	153	498042	24.75	ppb		99
60) 2,4-Dinitrophenol	7.253	184	150879	55.50	ppb		84
61) 4-Nitrophenol	7.381	109	75682	29.87	ppb		89
62) Dibenzofuran	7.408	168	702440	25.16	ppb		93
63) 2,4-Dinitrotoluene	7.413	165	179196	29.63	ppb		79
64) 2,3,4,6-Tetrachlorophenol	7.573	232	142424	28.08	ppb		98
65) Diethylphthalate	7.723	149	554930	26.37	ppb		99
66) Fluorene	7.819	166	558486	25.58	ppb		97
67) 4-Chlorophenyl-phenyle...	7.835	204	263349	25.78	ppb		98
68) 4-Nitroaniline	7.867	138	157459	28.06	ppb		94
70) 4,6-Dinitro-2-methylph...	7.899	198	105006	28.78	ppb		94
71) n-Nitrosodiphenylamine	7.979	169	381619	26.50	ppb		99
72) 1,2-Diphenylhydrazine	8.022	77	581035	25.94	ppb		96
74) 4-Bromophenyl-phenylether	8.423	248	154104	26.40	ppb		95
75) Hexachlorobenzene	8.492	284	183359	26.33	ppb		99
76) Pentachlorophenol	8.749	266	210378	59.41	ppb		99
77) Phenanthrene	8.994	178	833792	25.22	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91924.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : cc4569-25
Misc : op73791,ez4575
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:34:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

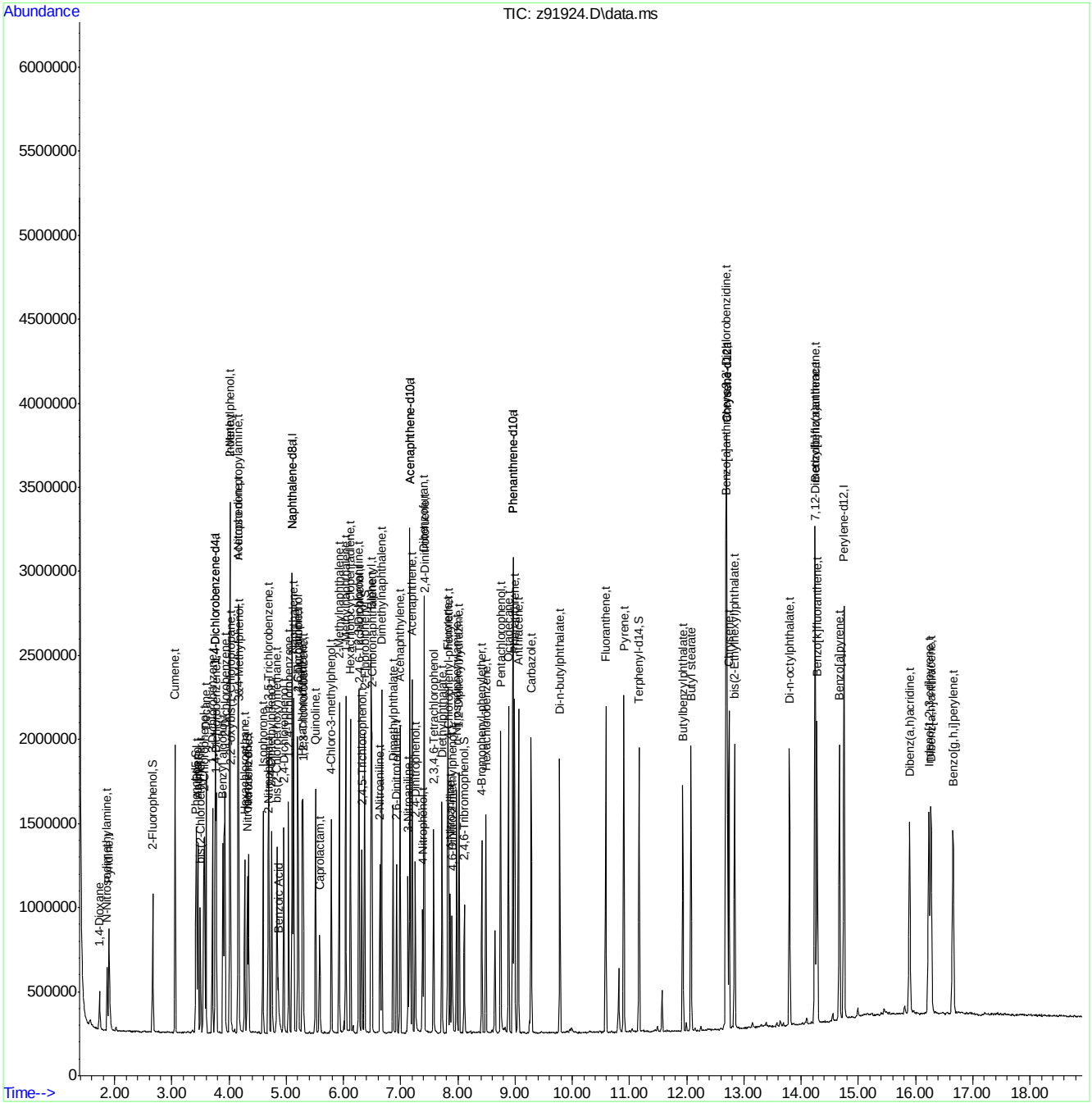
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.059	178	852103	26.59	ppb	100
79) Carbazole	9.283	167	795387	23.96	ppb	100
80) Di-n-butylphthalate	9.780	149	957254	29.35	ppb	100
81) Fluoranthene	10.586	202	875453	27.19	ppb	96
82) Octadecane	8.888	57	380321	24.36	ppb	96
84) Pyrene	10.902	202	913975	26.07	ppb	99
85) Butyl stearate	12.072	56	279622	29.54	ppb	100
87) Butylbenzylphthalate	11.933	149	422223	29.86	ppb	97
88) Benzo[a]anthracene	12.686	228	852267	26.95	ppb	100
89) 3,3'-Dichlorobenzidine	12.691	252	309939	29.82	ppb	98
90) Chrysene	12.739	228	801879	25.54	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.841	149	586902	30.56	ppb	99
93) Di-n-octylphthalate	13.797	149	1013799	30.60	ppb	100
94) Benzo[b]fluoranthene	14.241	252	878172	27.73	ppb	96
95) Benzo[k]fluoranthene	14.278	252	817337	24.99	ppb	99
96) Benzo[a]pyrene	14.673	252	767444	27.28	ppb	97
97) Indeno[1,2,3-cd]pyrene	16.233	276	785128	28.93	ppb	98
98) Dibenz(a,h)acridine	15.897	279	690997	26.15	ppb	100
99) Dibenz[a,h]anthracene	16.271	278	781187	27.30	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.246	256	382249	30.99	ppb	98
101) Benzo[g,h,i]perylene	16.655	276	746788	26.41	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91924.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : cc4569-25
Misc : op73791,ez4575
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 09:34:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91925a.D
Acq On : 28 May 2014 10:44 pm
Operator : ashleyd
Sample : cc4571-25
Misc : op73791,ez4575
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 09:36:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

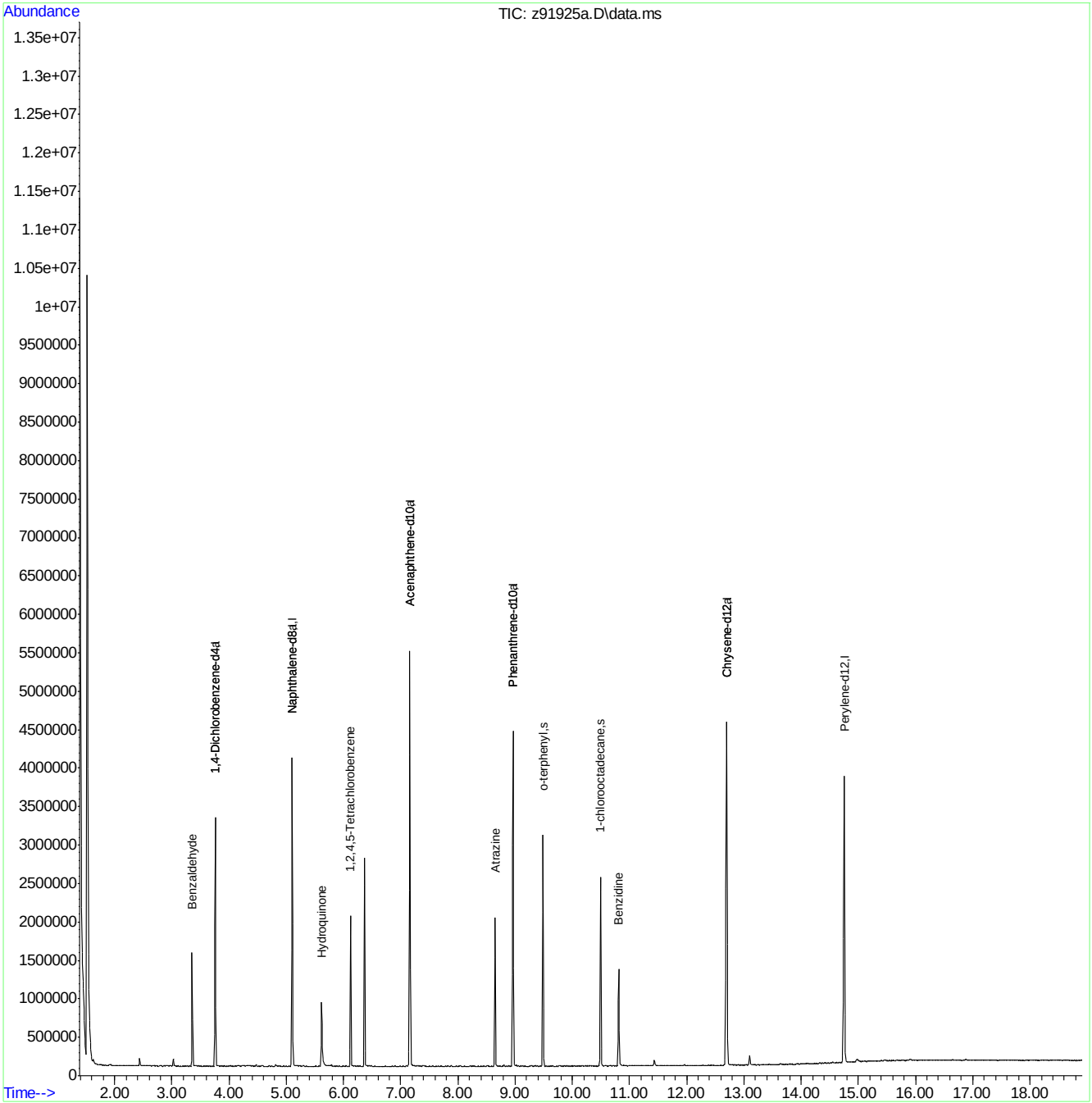
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.759	152	472832	40.00	ppb	-0.03
24) Naphthalene-d8	5.105	136	1865470	40.00	ppb	-0.03
47) Acenaphthene-d10	7.162	164	997034	40.00	ppb	-0.03
69) Phenanthrene-d10	8.962	188	1710624	40.00	ppb	-0.03
83) Chrysene-d12	12.702	240	1794163	40.00	ppb	-0.03
92) Perylene-d12	14.759	264	1705673	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.759	152	472832	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.962	188	1710624	40.00	ppb	-0.03
107) Chrysene-d12a	12.702	240	1794163	40.00	ppb	-0.03
110) Acenaphthene-d10a	7.162	164	997034	40.00	ppb	-0.03
112) Naphthalene-d8a	5.105	136	1865470	40.00	ppb	-0.03
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%		
106) o-terphenyl	9.486	230	625852	29.41	ppb	-0.03
Spiked Amount 50.000			Recovery =	58.82%		
109) 1-chlorooctadecane	10.496	57	371981	28.71	ppb	-0.03
Spiked Amount 50.000			Recovery =	57.42%		
Target Compounds						Qvalue
103) Benzaldehyde	3.358	105	289541	26.46	ppb	# 84
105) Atrazine	8.652	215	117911	32.14	ppb	# 74
108) Benzidine	10.811	184	576195	31.28	ppb	98
111) 1,2,4,5-Tetrachloroben...	6.126	216	336702	28.41	ppb	98
113) Hydroquinone	5.618	110	375932	26.81	ppb	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4575\
Data File : z91925a.D
Acq On : 28 May 2014 10:44 pm
Operator : ashleyd
Sample : cc4571-25
Misc : op73791,ez4575
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 09:36:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration



ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2693

Date: 5-13-14

Analyst Signature:

Columns: RTX5msi 30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method M2M2693

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.
SVKI-1419-9B	BNA	25 ppm
SVH1362-115G	↓	10 ppm
-115F		5 ppm
-115D		2 ppm
-115I		1 ppm
-62	↓	0.5 ppm

Standard Data

Lot #	Description	Conc.
SVH1362-115	dk/pp	50 ppm
OK2933	Internal Std	4000 ppm
OV451	DCM(MV)	
SVH1362-115A	BNA	100 ppm
-115B	↓	80 ppm
SVKI-1419-9A	↓	50 ppm

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: 5-14-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2M63A19	dk/pp			W	1					OK	2:16 pm
	2M63A20	IC2693-100		BNA		2					↓	
	2M63A21	IC2693-1				3					↓	
	2M63A22	IC2693-80				4					↓	
	2M63A23	IC2693-50				5					↓	
	2M63A24	IC2693-25				6					OK	
	2M63A25	IC2693-10				7					OK	
	2M63A26	IC2693-5				8					OK	
	2M63A27	IC2693-2				9					OK	
	2M63A28	IC2693-0.5				10					OK	
	2M63A29	IC2693-0.2				11					OK	SVH1362-62
	2M63430	IC2693-100		TCL42		12					OK	
	2M63431	-80				13					OK	
	2M63432	-50				14					OK	
	2M63433	-25				15					OK	
	2M63434	-10				16					OK	
	2M63435	-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.

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

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Form: OR015-05
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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2693

Analyst Signature: SP

Date: 5-13-14

Columns: RTx5ms 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method M2M2693

Injection Volume: 1 µl

Standard Data

Lot #	Description	Conc.
SV1413621366	TCL42	2PPM
1364	↓	1PPM

Standard Data

Lot #	Description	Conc.
SV1413621368	TCL42	100PPM
1368		80 PPM
1370		50PPM
1370		25PPM
1366		10PPM
1366		5PPM

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: QA Date: 5-14-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2m63436	IC2693-2				18					OK	
	2m63437	" -1				19					OK	
	2m63438	ICV2693-50		acids		20					OK	OP14-1177-18
	2m63439	ICV2693-50		BN1		21					OK	OP14-1177-17
	2m63440	ICV2693-50		ABN2		22					OK	OP14-1130-72
	2m63441	ICV2693-50		ABN surr		23					OK	OP14-1177-33
	2m63442	ICV2693-50		HQ		24					OK	SV14-1362-113
	2m63443	ICV2693-50		benzidine		25					RR	(wrong Standard) SV1413621223
	2m63444	ICV2693-50		anilines		26					OK	SV14-1362-112

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
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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2694

Date: 5-14-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-119	DFTPP	50 ng
SV141362-126	base/neut.	50 ng/µL
CK2999	IS	4000 ng
CK2451	acid cpd	80 ng

Columns: RTX-5MS 30m x0.25mmx0.25µm

Method 8270/625

Initial Cal. Method E2M2693

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: 5/14/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2m63445	DFTPP			W	1					OK	10:53 am
	63446	ICV 2693-50		base/neut		2					OK	
	63447	BS2 Spike-OP141177-42				3					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.

157

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: E2M2711

Date: 5-27-14

Analyst Signature: AMO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV14B2411	DFTPP	50ppm
SVM19194	BNA	25ppm
SVMAR5	TCL12	25ppm
CC2933	Internal Std.	40000ppm
DLS47	DCM(HW)	—

Columns: RTX5MS30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method M2M2693

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: AS Date: 5-29-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2M63907	DFTPP				1					ok	10:13 pm
	63908	CC2693-25		BNA	W	2					ok	
	63909	CC2693-25		TCL12	W	3					ok	
	63910	q75114mb1	75114-1	ABS270	S	4		+	/	/	ok	
	63911	-bs1				5			/	/	ok	
	63912	-ms				6			/	/	ok	
	63913	-msd				7			/	/	ok	
	63914	JB67744-1		ABTCL20		8			/	/	ok	
	63915	-2				9			/	/	ok	
	63916	-3				10			/	/	ok	
	63917	-4				11			/	/	ok	
	63918	-5				12			/	/	ok	
	63919	-8				13			/	/	ok	
	63920	-9				14			/	/	ok	
	63921	-10				15			/	/	ok	
	63922	JB67749-1		PALO		16			/	/	ok	
	63923	-2				17		ok	/	/	ok Not Used RSS 2310	RR 1:2 on CFL

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.

27

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

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2M2711

Date: 5-27-14

Analyst Signature: AMO

Columns: RTX5MS30m x 25mm x 25 µm

Method 8270/625

Initial Cal. Method M2M2693

Injection Volume: 1 µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 27	

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: 5-29-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	2M63924	JB67749-3	751141	PALO	S	18			/	/	OK	
	63925	-4				19			/	/	OK	
	63926	-5				20			/	/	OK	
	63927	-6				21			/	/	OK	RR 1:5
	63928	-7				22			/	/	OK	RR 1:5
	63929	-8				23			/	/	OK	
	63930	-9				24			/	/	OK	
	63931	-10				25			/	/	OK	
	63932	-11				26			/	/	RR	RR for carryover
	63933	JB67752-1		PALO		27			/	/	OK	9:39am
R	2M63934 AMO 5/27/14	JB65033-16R	748351	EPH PAH		28			45% ↓	/	OK	run after 2M6393

TX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

29

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

9.7.3

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P276

Date: 9/26/14

Analyst Signature: AMD

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M6P274

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.
SV1413680	G TCL42	2ppm
↓	H ↓	1ppm
DK237	DCM (HW)	L
K2933	Internal Std.	4020ppm
SV3182143	DFTPP	50ppm

Standard Data

Lot #	Description	Conc.
SV1413680A	TCL42	100ppm
B		80ppm
C		50ppm
D		25ppm
E		10ppm
↓ F	↓	5ppm

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: QA Date: 4-28-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
6P6523A	DFTPP				1					NG	127 failed high/ adjust Method
6524	ICC276-50		TCL42	W	2					ok	SV 14 B62 - 80C
6525	IC276-25				3					ok	-80D
6526	~~80~~ ~~100~~	EQP 4/28/14			4					ok	SV 14 13 62 - ~~80E~~ 80B
6527	~~100~~ ~~80~~				5					ok	~~80F~~ 80A
6528	-10				6					ok	~~80G~~ 80E
6529	-5				7					ok	~~80H~~ 80F
6530	-2				8					ok	EQP 4/28/14 ~~80I~~ 80G
6531	-1				9					ok	~~80J~~ 80H
6532	ICV274-50		BN1		10					not ran	wrong naming seq OP14113094 50ppm
6533	-50		BN2		11						OP14113092 50ppm
6534	-50		Acid		12						OP14113083 50ppm
6535	-50		ABN surr		13						OP14113062 50ppm
6536	-50		Anilines		14						SV14136212 50ppm
6537	ICV276-50		Benzidines		15						SV14136278B 50ppm
6538	-50		HQ		16					↓	SV14136213 50ppm
6539	DFTPP				1					NG	failed 127↑ retune

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.

31

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

6

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P276

Date: 4/26/14

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 631 AMD 041760	

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M6P274

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: 4-28-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	M6P540	DFTPP				1					ok	1029am. ran before M6P524

TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

ample volume/weight used and final volumes refer to extraction log.

33

ll strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
ev. Date: 1/16/2006

9.7.4

6

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P277

Date: 9/27/14

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1312814B	DFTPP	50ppm
CK2932	Internal Std	4000ppm
DK237	DCM (HW)	1

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M6P277

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: 4-28-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P6541	DFTPP				1					ok	12:39pm
	6542	IC277-1.0		BNA	W	2					ok	SV 14 1362-61H
	6543	IC277-100				3					ok	-61A
	6544	IC277-80				4					ok	-61B
	6545	ICC277-50				5					ok	-112A
	6546	IC277-25				6					ok	-112B
	6547	-10				7					ok	-61E
	6548	-5				8					ok	-61F
	6549	-2				9					ok	-61G
	6550	-.5				10					ok	-62C
	6551	-.2				11					ok	-62D

ECP 4/28/14

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

mple volume/weight used and final volumes refer to extraction log.

35

l strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

m: OR015-05
. Date: 1/16/2006

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P278

Date: 4/28/14

Analyst Signature: ECP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV3128243	DFTPP	50ppm
NC237	LCM	
CC2938	IS	4000ppm

Columns: Rtx5msi 30mx .25mmx .25µm

Method 8270/625

Initial Cal. Method m6P277

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: 4-28-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P6862	DFTPP			W	1					ok	9:43am
	6863	ICV277-50		Acids		2					ok	op 14113083
	6864	ICV277-50		BN1		3					ok	-94
	6865	ICV277-50		BN2 2,4DNP+		4					ok	-92
	6866	ICV277-50		ABN Surr		5					ok	-62
	6867	ICV277-50		Aniline		6					ok	sv 14136283
	6868	ICV276-50		Benzidine		7					ok	-72B
	6869	ICV276-50		HQ		8					ok	op 14113014

ECP 4/28/14

TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

mple volume/weight used and final volumes refer to extraction log.

37

ll strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
v. Date: 1/16/2006

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P318

Date: 5-29-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362IR	DFTPP	50ppm
SV141362BR	BNA	25 ppm
SV141362BCB	TCLP	↓
CK2933	IS	400ppm
DK543	DCM	

Columns: RTX5MS, 30m x 25mm x .25um

Method 8270/625

Initial Cal. Method M6P277

Injection Volume: 1.0uL

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: 5-30-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
6P7477	DFTPP				1					failed	442↑ re-inject
478	DFTPP				1					failed	68↑ re-inject
479	DFTPP				1				/	ok	9:06am
480	CC277-25		BNA		2					ok	60↓ 73↑
481	CC276-25		TCL42		3			/		ok	
482	acid verif.				4					ok	SV13-1282-144 RT @ 20ppm 5ppm
483	jb67099-11	74982	nitro benzene aniline	W	5	1000		/	/	ok	
484	jb67218-10	74928	EPH	S	6			/	/	ok	
485	-24				7			/	/	ok	
486	~~AR 5/29/14 -3W~~				8					NOT RUN	
487	-4W				9					↓	
488	jb67099-19	74982	nitrobenzene aniline	W	10	1000		/		RR	RR 1:2000 Ran after 6P7485
6P7489	TCL42 verif.				11			/	X	ok	SV141362-801+
490	acid verif				12			/	X	ok	SV13-1282-83 20ppm
491	op75136-mb1	75136	ABN 8270+	S	13		+	/	/	ok	
492	bs1				14			/	/	ok	
493	op75166-mb1	75166	PPTCL	W	15			/	/	ok	

MX = 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.

Any 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
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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EGP318

Date: 5-29-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see pg 181	

Columns: RTX5MS; 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method M6P277

Injection Volume: 1.0uL

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: 5-30-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P7494	jb67827-10	75166	PPTCL	W	16			/	/	OK	
	495	jb675779-1	75136	ABPPL+	S	17			/	/	OK	
	496	jb 67099-19	74982	nitrobenzene-d5	W	18	2000		/	/	OK	
	497	jb67218-3	74928a	EPH	S	19			/	/	OK	
	498	-4				20			/	/	OK	
	499	0P75103-MS	75103	ABN8270	W	21			/	/	OK	
	500	-MSD				22			/	/	OK	
	501	jb67508-7		BNJTCL20+		23		+	/	/	OK	
	502	-9				24		+	/	/	OK	RR 1:10
	503	jb67555-1				25		+	/	\	OK	RR 1:10 already Rx
	504	jb67508-6		BNJTCL20+		26		+	/	/	OK	RR 1:10
	505	jb67702-1a	75136	PAH	S	27			/	/	OK	
	506	jb67744-12		ABTCL20		28			/	/	OK	
	507	-13				29					not Run	out of check
	508	-14				30					↓	↓
	509	JB67099-8	74985	Aniline/NB82		31	10,000		/	/	OK	Pyridine 7501

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.

183

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

6

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P320

Date: 5.30-14

Analyst Signature: AR

Columns: RTXSMS: 30m x 25mm x .25mm

Method 8270/625

Initial Cal. Method M6P277

Injection Volume: 1.0uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413G2-119	DFTPP	50ppm
SV1413G2-82	BNA	25ppm
80B	TCL42	↓
CC2933	IS	4000ppm
DC457	DCM/THW	

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: 5-31-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
E6P7539	DFTPP				1					failed	275, 442 ↑ 689 re-injected 5/30/14
S40	DFTPP				1					failed	68↑ re-injected
S41	DFTPP				1					failed	442↑
S42	DFTPP				1					ok	12ppm raised Emission to lower SO2
S43	CC277-25		BNA		2					ok	
S44	CC276-25		TCL42		3					ok	benzidine, benzaldehyde↓
S45	BN2 verif				4					ok	SV1413G2-80H 1ppm
S46	~~benzidine verif~~ 5/30/14				5					NOT RUN	SV14-1362-134B 1ppm benzidine
S47	jb67728-5a	75136	ABTCL20+	S	6		1			ok	
S48	-8a				7		1			ok	
S49	-10a				8		1			ok	RR112
S50	-14a				9		1			ok	
S51	jb67670-1	75136	ABTCL20+	S	10		1			ok	
S52	jb67508-6	75103	BNTCL20+	W	11	10				not using	2x= RR1:20
S53	-9				12	10				ok	
S54	jb67555-1				13	10				not using	not needed.
S55	jb64500-30		ABTCL20+		14		8			~~not using~~ RR115	ok

M = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

S55 31

Sample volume/weight used and final volumes refer to extraction log.

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Strikeouts must be initialed, dated and reason code applied as follows:
Reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Date: 1/16/2006

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P320

Date: 5-30-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See pg. 189	

Columns: RTX5ms 30mx.25mmx.25um

Method 8270/625

Initial Cal. Method M6P277

Injection Volume: 1.0uL

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: 5-31-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
67556	j667598-5	75103	PAH+2MNA	W	15			\	\	ok	Sim only
67557	j667584-1		BSL1+		16		X	\	\	OK	
558	-2				17		X	\	\	OK	
559	-3				18		X	\	\	OK	
560	-4				19		X	\	\	OK	
561	-5				20		X	\	\	OK	
562	-6				21		X	\	\	OK	
563	-7				22		X	\	\	OK	
564	j667744-13	75136	ABTCL20	S	23			\	\	OK	
565	-14				24			\	\	OK	
566	-15				25			\	\	OK	
567	j667595-19		ABTCL20+		26			\	\	OK	1150pm
568	j667751-11		PAH		27					DQA using out of closure	
569	j667563-18	75082	ABPPL+		28	10		\	\	ok	Run after 67555

W = 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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Any 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
Revised Date: 1/16/2006

9.7.8

9

ACCUTEST LABORATORIES JB67744

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P323

Date: 6/2/14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413678119	DFTPP	50ppm
SV1413762 CC6/2/14 1500	BNA	50 ppm
BDB	TCL42	50 ppm
CC2933	I.S.	4000 ppm
DCS47	DCM/HW	

Columns: RTX5MS 30mx.25mmx.25mm

Method 8270/625

Initial Cal. Method M6P277

Injection Volume: 1.0mL

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: 6-3-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P7627	DFTPP				1					failed	51↓ 442↑ increased emission
	628	DFTPP				1					failed	tailing RCP↑ re-inject
	629	DFTPP				1					ok	
	630	CC2773-50		BNA		2					ok	33↑ 99↑
	631	CC2776-50		TCL42		3					ok	benzaldehyde ↓ AREA↑ IS, ok w/dilution per CH AR 6/3/14
	632	TCL42 verif.				4					ok	SV1413762-50H 1ppm
	633	jb67751-6	75136	PAH	S	5	10				RR	dil. not spiked with IS
	634	jb67915-1	75185	ABTCL20	S	6	10		/	/	ok	
	635	-5				7	10		/	/	ok	
	636	jb67728-1	75136	ABTCL20+	S	8	2		/	/	ok	
	637	jb67956-6	75277	ABNJTCL11+	W	9	10		/	/	ok	
	638	jb67959-1		ABNJTCL11+		10	10				not ning	not needed
	639	-3				11	10					
	640	-9				12	10					
	641	-10				13	10					
	642	jb67923-4	75123-3	TCLP	W	14	10		/	/	ok	
	643	-7				15	10		/	/	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.

5

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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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E6P323

Date: 6/2/14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see Pg. 5	

Columns: RTXSMS: 30m x .25mm x .20um

Method 8270/625

Initial Cal. Method M6P277

Injection Volume: 1.0uL

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: QA

Date: 6-3-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	6P7644	~~jb67473~~ op75185-MSD 6/2/14	75185	ABN8270	S	16			/	/	OK	op75185-MSD
	645	op75136-MS		ABN8270		17			/	/	OK	vf=5
	646	-MSD				18			/	/	OK	vf=5
	647	jb67508-6	75103	BN TCL20+	W	19	20		/	/	OK	Ran after 6P7643

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

9.7.9

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4271

Date: 5-13-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SV1413F21115B	BNA	10 PPM
115A	↓	5 PPM
114A	↓	2 PPM

Standard Data

Lot #	Description	Conc.
SV1413F2119	DFTPP	50 PPM
115A	BNA	100 PPM
6M	↓	1 PPM
115B	↓	80 PPM
138A	↓	50 PPM
138B	↓	25 PPM

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MM4271

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: 5-14-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104363	DFTPP			W	1					OK	2:45 PM
	64	IC4271-100				2					OK	
	65	IC4271-1				3					OK	
	66	IC4271-80				4					OK	
	67	IC4271-50				5					OK	
	68	IC4271-25				6					OK	
	69	IC4271-10				7					OK	
	70	-5				8					OK	
	71	-2				9					OK	
	~~72~~			SP 5-13-14		~~10~~						

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.

55

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: EM4272

Date: 5-14-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SV141362136E	TCL42	5 PPm
136G		2 PPm
136H		1 PPM
CK2933	IS	40000PPM
DH451	DCMCHMD	—

Standard Data

Lot #	Description	Conc.
SV141362136	DFTPP	50 PPm
136A	TCL42	100 PPm
136B		50 PPm
136C		50 PPm
136D		25 PPm
136E		10 PPm

Columns: RTX5MS 30m x .25mm x .25UM

Method 8270/625

Initial Cal. Method MM4271

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: QA Date: 5-14-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104372	DFTPP			W	1					OK	8:27 AM
	73	IC4272-100		TCL42		2					OK	
	74	-80				3					OK	
	75	ICC4272-50				4					OK	
	76	IC4272-25				5					OK	
	77	-10				6					OK	
	78	-5				7					OK	
	79	-2				8					OK	
	80	-1				9					OK	
	81	ICV4271-50		Acid Spike		10					OK	OP141130-83
	82	-50		BH1		11					OK	OP141130-94
	83	-50		BH2		12					OK	OP141130-92
	84	-50		ABH SUITE		13					OK	OP141130-62
	85	-50		Aniline		14					OK	OP141362-12
	86	ICV4272-50		HQ		15					OK	SV141362-101
	87	ICV4271-50		Benz		16					OK	SV141362-72B

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.

57

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: EM4291

Date: 6-3-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362	119 DFTPP	50PPM
	136A BHA	50PPM
	137B TCL42	50PPM
CK2933	IS	4000PPM
DK547	DCM(HW)	-

Columns: RTx5Sil30mx.25mmx.2μm

Method 8270/625

Initial Cal. Method MM4271

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: OA Date: 6-4-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104836	DFTPP			W	1					OK	8:39 AM
	837	CC4271-50		BHA		2					OK	PAH only
	838	CC4272-50		TCL42		3					OK	
	839	Jb67923-6	752031	ABTCL11+	S	4	200		-	-	OK	
	840	-5				5	200		-	-	OK	
	841	-8				6	200		-	-	OK	
	842	-2				7	400		-	-	OK	
	843	-1				8	80		-	-	OK	RR 1:5
	844	-3				9	80		-	-	OK	RR1:5
	845	-4				10	80		-	-	OK	RR1:10
	846	-9				11	80		-	-	OK	
	847	-7				12	80		-	-	OK	RR1:4
	848	Jb67843-11	75177-1	PADF	W	13					not run	RR 1:2; Bad matrix
	849	op75136mb1	75136	PAH ABH+	S	14		+	-	-	OK	Ran after M104842
	850	Jb67751-6		PAH		15	10		-	-	OK	
	851	Jb67923-1	75203-1	ABTCL11+		16	400		-	-	OK	
	M104 852	-3				17	400		-	-	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.

145

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: EM4291

Date: 6-3-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Page 145	

Columns: RTX5MS30mx.25mmx.25µm

Method 8270/625

Initial Cal. Method MM4271

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: CA

Date: 6-4-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M104853	JB67923-4	752071	ABTCL11+	S	18	800		/		OK	
	854	-7				19	320		/		OK	
	855	JB67843-11	751271	PADF		20	2		/	/	OK	Diluted due to 5:47PM Bad MCH271A

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.

147

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

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ 4569

Date: 5-24-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc
SV1412149	DFTPP	50ppm
CK2933	I.S.	400ppm
DK 237	DCM-TKW	(4ml)

Columns: RTX 5ms 30m .25mm .25µ

Method 8270/625

Initial Cal. Method MZ4569

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: 5-28-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
Z91825	DFTPP			W	1					OK	10:37 am
826	ic 4569-100		BNA		2					OK	" SV1413621 15
827	-80				3					OK	" -115
828	-2				4					OK	" -115
829	ic 4569-50				5					OK	" -138B
830	ic 4569-25				6					OK	" -138C
831	-1				7					OK	" -115
832	-5				8					OK	" -115
833	-10				9					OK	" -115
Z91825a	DFTPP				1					not using	Run by mistake

MX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

[signature] 5/27/14

mple volume/weight used and final volumes refer to extraction log.

85

l strikeouts must be initialed, dated and reason code applied as follows:
= reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
v. Date: 1/16/2006

9.7.13

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4571

Date: 5-27-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-118	DFTPP	50ppm
	AR 5/28/14	

Columns: RtX+MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MS4569

Injection Volume: 1.0 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: _____ Date: 5.28.14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	29\850	DFTPP				1					OK	
	851	ICV4571-100		TCL42		2					OK	SV141362-136A
	852	-80				3					OK	136B
	853	ICV4571-50				4					OK	SV141362-86A
	854	ICV4571-25				5					OK	SV14-1419-5B
	855	-10				6					OK	SV141362-136E
	856	-5				7					OK	SV141362-136F
	857	-2				8					OK	136G
	858	-1				9					OK	136H
	859	ICV4569-50		acid		10					not using	op14-1171-29 60,70
	860	-50		BN1		11					OK	op141177-17
	861	-50		BN2		12					OK	op141177-42
	862	-50		aniline		13					OK	op141177-61
	863	-50		benzidine		14					OK	report 89 SV141362-72B
	864	-50		surr		15					OK	op141177-33
	865	-50		HQ		16					OK	op141177-41
	866	-50		Acid		17					NOT USING	OP141177-44 60 ↓ area OK reinstall instrument AR 5/28/14

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

9.7.14 9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E Z4572

Date: 5-27-14

Analyst Signature: AMO

Columns: RTXSMS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV13D2213	DFTPP	50ppm
CK2933	Internal Std.	40000ppm
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: 5-28-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	9											
	Z81867	DFTPP				1					OK	
	AMO 5/27 @ 918168	ICV4569-50		BNA acid	W	2					OK	SV191177 44 50ppm

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.

91

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

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ 4575

Date: 5-28-14

Analyst Signature: AS

Columns: RTX5MS, 30m, .25mm, .25um

Method 8270/625

Initial Cal. Method MZ 45169

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SL/4136219	DSTPP	50 ppm
138	BLN	25
80	TCL42	25
LK-29153	I.S.	4000 ppm
DZ547	DCM	(Alw)

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: QA Date: 5-29-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z 91923	DSTPP				1					OK	4:41 pm
	924	CC 24569-25				2					OK	BLN + 24,93 ↑
	925	CC 4571-25				3					wrong vial not using	
	925A	CC 4571-25				3					OK	benzidine, atrazine ↑
	926	OP75133-mb1	75133	ABN+	W	4		+			OK	
	927	-BS				5					OK	
	928	-MS				6				-	OK	
	929	-MSD				7				-	OK	
	930	JB67666-8		ABTCL20		8					OK	
	931	-9				9					OK	
	932	JB67602-21		ABNTCL20		10				-	not using	#93 hit RR
	933	22				11				-	↓	#93 hit RR
	934	23				12		+		-	~~not using~~ OK	~~RR hit for #93~~ SP 5-28-14
	935	24				13		+		-	OK	
	936	JB67612-10				14		+		-	OK	~~#93 hit~~ RR 5/29/14 OK
	937	JB67587-6				15		+		-	OK	~~#93 hit~~ RR 5/29/14 OK
	938	JB67595-1A				16		+		-	OK	~~#93 hit~~ RR 5/29/14 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.

101

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

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4575

Date: 5-28-14

Analyst Signature: ~~AS~~

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See Pg 101	

Columns: RTX-5MS 30m 25mm 25u

Method 8270/625

Initial Cal. Method MT4569

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: OA Date: 5-29-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	B 91939	JB67671-11	75133	ABNJTCL20	W	17		+	/	-	OK	RR 1:5
	940	JB67712-1		ABTCL11		18		+	/	-	OK	
	941	-2				19		+	/	-	OK	
	942	-3				20		+	/	-	OK	RR 1:5
	943	-4				21		+	/	-	OK	
	944	JB67733-34		ABTCL20		22		+	/	-	OK	
	945	JB67744-6		ABTCL20		23		+	/	-	OK	
	946	-11				24		+	/	-	OK	#93 hit on MS7249M 7:32am

AG 5/29/14

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.

103

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

Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # MS75114 | RACK# B-5

Date started: 05/27/14 Time started: 12:30 pm
Date finished: 05/27/14 Time finished: 2:30 pm

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		Nelson	35.0				Yellow	1			
JB67744-1 MS		1	clay	33.2			✓	Brown	1			
1 MSD		1	clay	34.2			✓	Brown	1			
MB1 BS												
MS												
MSD												
MB1			Nelson	35.0				Clear	1			
1 JB67749-1	ABN	1	soil	30.2			✓	Brown	1			
2 -2		1	soil	32.1			✓	Black	1			
3 -3		1	soil	31.6			✓	Brown	1			
4 -4		1	soil	33.1			✓	Brown	1			
5 -5		1	soil	33.1			✓	Brown	1			
6 -6		1	soil	33.9			✓	Brown	1			
7 -7		1	mud	32.8			✓	Brown	1			
8 -8		1	mud	31.1			✓	Yellow	1			
9 -9		1	soil	33.2			✓	Yellow	1			Brown
10 -10		1	Soil	33.0			✓	Brown	1			
11 -11		1	soil	34.1			✓	Yellow	1			
12 JB67752-1		1	Soil	30.2			✓	Yellow	1			X
13 JB67744-1		1	clay	30.5			✓	Brown	1			
14 -2		1	mud	31.7			✓	Yellow	1			
15 -3		1	clay	31.7			✓	Brown	1			
16 -4		1	mud	31.9			✓	Yellow	1			
17 -5		1	mud	32.0			✓	Brown	1			
18 -6		1	mud	33.0			✓	Brown	1			
19 -9		1	clay	31.4			✓	Brown	1			
20 -10		1	clay	33.0			✓	Yellow	1			

Ext By:	FN
Conc By:	TM/MS
Vialed By:	TM
Relinquished by:	TM/MS
Accepted by:	
Supervisor Review:	Reviewed 5/27/14

Equipment	ID	Temp	Pres
WaterBath	3	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance	1347	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN op	14-1177-52	50	1

WITNESS SIGN: MS

MATRIX SPIKE	LOT #	Conc	Amt
Acid op	14-1177-44	50	1
Base #1 op	14-1177-60	50	1
Base #2 op	14-1177-43	50	1
op	14-1177-62	50	1

WITNESS SIGN: MS

SOLVENT	LOT #	BRAND
1:1 MC/ACE	DK547 DK008	HW
METH CHLOR		

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	FC002891	Fisher
HYDROMATRIX		

Comments: * low density for 05/27/14

Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

BATCH # MJ75133 | RACK# C3PO

Date Started: 5/27/14 Time Started: 15:00
Date Finished: 5/27/14 Time Finished: 23:30

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 ✓ Cont Liq-Liq SW3520C_____

	Sample #	Analysis Type (B270)	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		Comments
	MB 1	ABN			DIH2O	1000	1	4	Clear	1			
	BS 1				DIH2O	1000	1	4	Yellow	1			
	JB67712-1 MS		1		Clear	500	1	4	Yellow	1			
	1 MSD		1		Clear	500	1	4	Yellow	1			
	BS 12	sim			DIH2O	1000	1	4	Clear	1			
	JB67602-21 MS		1		Yellow	500	1	4	Yellow	1			
	1 MSD		1		Yellow	500	1	4	Yellow	1			
1	JB67602-21	ABN	2		Yellow	1000	1	4	Yellow	1			
2	-22		2		Yellow	1000	1	4	Yellow	1			
3	-23		1		L Brown	1000	1	4	Yellow	1			
4	-24		1		Yellow	1000	1	4	Yellow	1			
5	JB67612-10		2		Clear	1000	1	4	Yellow	1			
6	JB67587-46		5		Clear	990	1	4	Yellow	1			
7	JB67595-1A		5		Clear	980	1	4	Yellow	1			
8	JB67666-8		1		Clear	1000	1	4	Yellow	1			
9	-9		2		Clear	1000	1	4	Yellow	1			
10	JB67671-11		2		Yellow	1000	1	4	Yellow	1			
11	JB67712-1		2		Clear	1000	1	4	Clear	1			
12	-2		1		Clear	1000	1	4	Yellow	1			
13	-3		1		Yellow	1000	1	4	Yellow	1			
14	-4		2		Clear	950	1	4	Yellow	1			
15	JB67733-34		5		Clear	960	1	4	Yellow	1			
16	JB67744-6		1		Clear	976	1	4	Yellow	1			
17	-11		2		Clear	970	1	4	Yellow	1			
18													
19													
20													

COMMENTS:

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See back for instructions

Ext By:	NP
Conc by:	EE
Vialed by:	NP
Relinquished by:	
Accepted by:	
Supervisor review:	Reviewed 5/27/14

Equipment	ID	Temp	Pres
Waterbath	9	80°	N/A
NEVAP			
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN	14117752	50	1
Aniline	14117762	50	1
Witness Sign:	NP		

Matrix Spike	Lot #	Conc	Amt
Acid	14117744	50	1
Base #1	14117760	50	1
Base #2	14117757	50	1
Witness Sign:	NP		

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DK547	HW	6160

Reagent	Lot #	Brand
Sodium Sulfate	136683	Fisher
~~glass wool~~ filter Paper	7483	Lab
Hydromatrix		
NaOH	410827	BDH
H_2SO_4	310227	BDH

Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # MS75136 | RACK# C-19

Date started: 05/28/14 Time started: 9. AM
Date finished: 05/29/14 Time finished: 11:00 pm

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	30.0				Yellow	1			
1B67751-3 MS		1	Oily gravel	33.9				Brown	5			
MSD		1	Oily gravel	32.4				Brown	5			
MB1 BS			Na_2SO_4	30.0				Clear	1			
MS												
MSD												
1B67579-1 RX	ABN	1	Soil	32.3				Yellow	1			
1B67595-1 9A		1	Soil	33.1				Brown	1			
1B67670-1		1	Soil	32.8				Brown	1			
1B67744-12		1	mud	34.9				Brown	1			
-13		1	Soil	31.6				Brown	1			
-14		1	Soil	32.8				Brown	1			
-15		1	mud	32.7				Brown	1			
1B67751-3		1	oily gravel	31.6				Brown	5			*
-4		1	gravel	31.1				Brown	1			
-5		1	gravel	32.7				Yellow	1			
-6		1	Soil	33.4				Brown	1			
-7		1	sand	34.0				Clear	1			
-8		1	Soil	33.2				Brown	1			
-10		1	Soil	33.4				Brown	5			*
-11		1	Soil	33.3				Brown	1			
1B67702-1A		1	soil	34.3				Yellow	1			
1B67728-5A		2	soil	31.8				Yellow	1			
-9A		1	mud	33.8				Yellow	1			
-10A		2	soil	32.0				Brown	1			
-14A		2	soil	31.6				Yellow	1			

Ext By:	FN
Conc By:	FN
Vialed By:	FN
Relinquished by:	MD
Accepted by:	
Supervisor Review:	Pennino 5/28/14

Equipment	ID	Temp	Pres
WaterBath	3	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance	B-49	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN OP	14-117252	50	1

WITNESS SIGN: MS

MATRIX SPIKE	LOT #	Conc	Amt
Acid OP	14-117744	50	1
Base #1 OP	14-1177-60	50	1
Base #2 OP	14-1177-43	50	1
	14-1177-62	50	1

WITNESS SIGN: MS

SOLVENT	LOT #	BRAND
1:1 MC/ ACE	182547	H.W
METH CHLOR	DK606	

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	FE0087	Fisher
HYDROMATRIX		

Comments: FINAL EXTRACT RAISED TO 5mL BECAUSE IT COULD NOT CONCENTRATE TO 1mL

OP019A-01
te: 04/09/13

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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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
09:24	MA34110-STD1	1		STDA
09:30	MA34110-STD2	1		STDB
09:36	ZZZZZZ	1		
09:42	ZZZZZZ	1		
09:51	MA34110-ICV1	1		
10:06	MA34110-ICB1	1		
10:12	MA34110-ICCV1	1		
10:27	MA34110-CCB1	1		
10:31	ZZZZZZ	1		
10:36	MA34110-ICCV2	1		
10:56	MA34110-CCB2	1		
11:02	MA34110-CRI1	1		
11:08	MA34110-CRID1	1		
11:21	MA34110-CCV1	1		
11:27	MA34110-CCB3	1		
11:33	ZZZZZZ	1		
11:42	MA34110-CRI2	1		
11:48	MA34110-CRIA1	1		
11:54	MA34110-CRID2	1		
12:00	MA34110-ICSA1	1		
12:07	MA34110-ICSAB1	1		
12:13	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:25	MA34110-CCV2	1		
12:31	MA34110-CCB4	1		
12:37	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:49	MP79614-PS1	2		
12:55	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:19	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
13:25	MA34110-CCV3	1		
13:31	MA34110-CCB5	1		
13:37	ZZZZZZ	1		
13:44	ZZZZZZ	5		
13:50	ZZZZZZ	1		
13:56	ZZZZZZ	5		
14:01	ZZZZZZ	5		
14:08	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:32	MA34110-CCV4	1		
14:39	MA34110-CCB6	1		
14:45	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:17	ZZZZZZ	5		
15:23	ZZZZZZ	1		
15:30	ZZZZZZ	1		Y 3710 out on CCV
15:36	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:48	MA34110-CCV5	1		
15:54	MA34110-CCB7	1		
16:01	ZZZZZZ	1		
16:11	MA34110-CCV6	1		
16:17	MA34110-CCB8	1		
16:23	MP79703-MB1	1		batch to reanlayze for al, ICB out for EPA
16:29	MP79703-LC1	1		
16:35	MP79703-S1	1		MN high. rerun for Tl on dilution and straight for the rest
16:41	MP79703-S2	1		MN high. rerun for Tl on dilution and straight for the rest
16:47	JB67693-2	1		(sample used for QC only; not part of login JB67744)
16:53	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
17:00	MP79703-SD1	5		MN high. rerun for Tl on dilution and straight for the rest
17:06	ZZZZZZ	1		
17:12	ZZZZZZ	5		
17:18	MA34110-CCV7	1		
17:24	MA34110-CCB9	1		
17:30	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:58	MA34110-CRID3	1		
18:04	MA34110-CRI3	1		
18:10	MA34110-CRIA2	1		
18:16	ZZZZZZ	1		
18:22	MA34110-ICSA2	1		
18:28	MA34110-ICSAB2	1		
18:34	MA34110-CCV8	1		
18:40	MA34110-CCB10	1		
18:46	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:58	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:41	MA34110-CCV9	1		CCB empty
19:47	MA34110-CCB11	1		CCB empty
19:53	ZZZZZZ	1		
19:59	MA34110-CCV10	1		
20:05	MA34110-CCB12	1		
20:15	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:27	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
20:33	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:09	MA34110-CCV11	1		
21:15	MA34110-CCB13	1		
21:21	MA34110-CCV12	1		
21:27	MA34110-CCB14	1		
21:33	ZZZZZZ	1		
21:39	ZZZZZZ	1		
21:45	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:03	MP79705-MB1	1		
22:09	MP79705-LC1	1		
22:15	MP79705-S1	1		
22:21	MP79705-S2	1		
22:27	MA34110-CCV13	1		
22:33	MA34110-CCB15	1		
22:39	JB67543-1	1		(sample used for QC only; not part of login JB67744)
22:45	MP79705-SD1	5		
22:51	ZZZZZZ	1		
22:57	ZZZZZZ	1		
23:03	ZZZZZZ	1		
23:10	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:34	MA34110-CCV14	1		
23:40	MA34110-CCB16	1		
23:46	MA34110-CRI4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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	MA34110-CRID4	1		
23:58	MA34110-CRIA3	1		
00:04	MA34110-CCV15	1		
00:10	MA34110-CCB17	1		
00:16	ZZZZZZ	1		
00:22	ZZZZZZ	1		
00:28	ZZZZZZ	1		
00:34	ZZZZZZ	1		
00:40	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:52	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:05	ZZZZZZ	1		
01:11	ZZZZZZ	1		
01:17	MA34110-CCV16	1		
01:23	MA34110-CCB18	1		
01:29	ZZZZZZ	1		
01:35	ZZZZZZ	1		
01:41	MP79697-MB1	1		
01:47	MP79697-LC1	1		
01:53	MP79697-S1	1		
01:59	MP79697-S2	1		
02:05	JB67506-1	1		(sample used for QC only; not part of login JB67744)
02:11	MP79697-SD1	5		
02:17	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:30	MA34110-CCV17	1		
02:36	MA34110-CCB19	1		
02:42	ZZZZZZ	1		
02:48	ZZZZZZ	1		
02:54	ZZZZZZ	1		
03:00	ZZZZZZ	1		
03:06	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
03:12	ZZZZZZ	1		
03:18	ZZZZZZ	1		
03:24	ZZZZZZ	1		
03:30	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:43	MA34110-CCV18	1		
03:48	MA34110-CCB20	1		
03:55	ZZZZZZ	1		
04:01	ZZZZZZ	1		
04:07	ZZZZZZ	1		
04:13	ZZZZZZ	1		
04:18	ZZZZZZ	1		
04:25	ZZZZZZ	1		
04:31	MP79707-MB1	1		Y 3710 out on CCV
04:37	MP79707-LC1	1		Y 3710 out on CCV
04:42	MP79707-S1	1		Y 3710 out on CCV
04:48	MP79707-S2	1		Y 3710 out on CCV
04:54	MA34110-CCV19	1		
05:00	MA34110-CCB21	1		
05:06	MA34110-CRI5	1		
05:12	MA34110-CRID5	1		
05:18	MA34110-CRIA4	1		
05:24	MA34110-CCV20	1		
05:30	MA34110-CCB22	1		
05:36	JB67662-1	1		(sample used for QC only; not part of login JB67744)
05:42	MP79707-SD1	5		
05:48	ZZZZZZ	1		
05:55	ZZZZZZ	1		
06:01	ZZZZZZ	1		
06:07	ZZZZZZ	1		
06:13	ZZZZZZ	1		
06:19	MA34110-CCV21	1		
06:25	MA34110-CCB23	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
06:31	MP79717-MB2	1		
06:37	MP79717-B2	1		
06:43	ZZZZZZ	1		
06:49	ZZZZZZ	1		
06:55	ZZZZZZ	1		
07:01	ZZZZZZ	1		
07:07	MP79733-LC1	1		
07:13	MP79733-MB1	1		
07:19	ZZZZZZ	1		
07:26	MA34110-CCV22	1		
07:31	MA34110-CCB24	1		
07:37	MP79733-B1	1		
---------->	Last reportable sample/prep for job JB67744			
07:43	MA34110-CRI6	1		
07:49	MA34110-CRID6	1		
07:55	MA34110-CRIA5	1		
08:02	MA34110-CCV23	1		
08:07	MA34110-CCB25	1		
---------->	Last reportable CCB for job JB67744			
08:13	ZZZZZZ	1		
08:19	ZZZZZZ	1		
08:23	ZZZZZZ	1		
08:28	ZZZZZZ	1		
08:35	ZZZZZZ	1		
08:39	ZZZZZZ	1		
08:44	ZZZZZZ	1		
08:49	ZZZZZZ	1		
08:55	ZZZZZZ	1		
09:00	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
09:24	MA34110-STD1	2188 R	168700 R	36799 R	6427 R
09:30	MA34110-STD2	2015	154440	34840	5674
09:36	ZZZZZZ	2074	161150	34432	5881
09:42	ZZZZZZ	2177	167210	36369	6391
09:51	MA34110-ICV1	2070	159370	35416	5886
10:06	MA34110-ICB1	2191	165220	35741	6446
10:12	MA34110-ICCV1	No results reported for the elements associated with this internal standard.			
10:27	MA34110-CCB1	2175	999999 !a	35543	6381
10:31	ZZZZZZ	2193	169710	35810	6434
10:36	MA34110-ICCV2	2077	159770	35175	5878
10:56	MA34110-CCB2	2183	169110	36238	6406
11:02	MA34110-CRI1	No results reported for the elements associated with this internal standard.			
11:08	MA34110-CRID1	No results reported for the elements associated with this internal standard.			
11:21	MA34110-CCV1	2090	160240	35191	5909
11:27	MA34110-CCB3	2198	168390	35790	6444
11:33	ZZZZZZ	2173	143540	35423	6355
11:42	MA34110-CRI2	2194	171140	36488	6429
11:48	MA34110-CRIA1	2232	170520	36639	6552
11:54	MA34110-CRID2	2204	168450	36322	6473
12:00	MA34110-ICSA1	1909	148580	33476	5184
12:07	MA34110-ICSAB1	1922	151140	33828	5227
12:13	ZZZZZZ	2170	166510	35962	6475
12:19	ZZZZZZ	2159	169420	35096	6461
12:25	MA34110-CCV2	2091	163820	35370	5928
12:31	MA34110-CCB4	2189	165350	36599	6437
12:37	ZZZZZZ	2154	169090	36760	6347
12:43	ZZZZZZ	2206	167750	36294	6490
12:49	MP79614-PS1	2180	168260	36648	6413
12:55	ZZZZZZ	2164	166160	36025	6346
13:01	ZZZZZZ	1884	145610	33307	5045
13:07	ZZZZZZ	2177	171270	37521	6431
13:13	ZZZZZZ	1643	999999 !	999999 !	4121 !
13:19	ZZZZZZ	1642	127450	33150	4137 !

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
13:25	MA34110-CCV3	2106	161760	35647	5963
13:31	MA34110-CCB5	2216	169710	36677	6483
13:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:44	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:50	ZZZZZZ	2271	999999 !	37613	6672
13:56	ZZZZZZ	2134	164680	36276	6190
14:01	ZZZZZZ	2185	168900	35904	6389
14:08	ZZZZZZ	2149	167760	37506	6279
14:14	ZZZZZZ	2169	169280	37141	6411
14:20	ZZZZZZ	2144	165150	37541	6316
14:26	ZZZZZZ	2182	999999 !	36751	6454
14:32	MA34110-CCV4	2065	161440	35381	5842
14:39	MA34110-CCB6	2209	168890	36203	6456
14:45	ZZZZZZ	2088	999999 !	36766	6079
14:51	ZZZZZZ	2182	999999 !	999999 !	6410
14:57	ZZZZZZ	2165	167480	36658	6365
15:03	ZZZZZZ	2174	168580	36959	6358
15:17	ZZZZZZ	2034	158260	35265	5641
15:23	ZZZZZZ	2164	166700	36047	6318
15:30	ZZZZZZ	2230	164760	999999 !	6484
15:36	ZZZZZZ	2086	162330	35397	6006
15:42	ZZZZZZ	2183	166370	36464	6378
15:48	MA34110-CCV5	2144	161750	999999 !a	6021
15:54	MA34110-CCB7	2236	169730	36386	6510
16:01	ZZZZZZ	2227	170440	36295	6477
16:11	MA34110-CCV6	2116	160250	35592	5944
16:17	MA34110-CCB8	2229	170830	35602	6476
16:23	MP79703-MB1	2241	168930	36359	6526
16:29	MP79703-LC1	2176	168730	35980	6319
16:35	MP79703-S1	2011	158040	36380	5583
16:41	MP79703-S2	1997	155540	35215	5548
16:47	JB67693-2	2011	156090	35174	5626
16:53	ZZZZZZ	1954	151150	34830	5335

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
17:00	MP79703-SD1	2111	162520	35396	6063
17:06	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:12	ZZZZZZ	2051	156380	34773	5680
17:18	MA34110-CCV7	2116	159430	34827	5942
17:24	MA34110-CCB9	2237	168950	35761	6485
17:30	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:39	ZZZZZZ	2129	163120	35911	6087
17:48	ZZZZZZ	2034	156290	999999 !	5646
17:58	MA34110-CRID3	2217	172760	35734	6445
18:04	MA34110-CRI3	2207	168140	35777	6404
18:10	MA34110-CRIA2	2241	169550	35878	6515
18:16	ZZZZZZ	2211	168940	35697	6420
18:22	MA34110-ICSA2	1935	149450	33024	5240
18:28	MA34110-ICSAB2	1908	148590	33062	5189
18:34	MA34110-CCV8	2121	161060	35090	5985
18:40	MA34110-CCB10	2216	170450	36412	6462
18:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:58	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:05	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:11	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:23	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:29	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:35	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:41	MA34110-CCV9	No results reported for the elements associated with this internal standard.			
19:47	MA34110-CCB11	No results reported for the elements associated with this internal standard.			
19:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:59	MA34110-CCV10	2076	158640	35290	5937
20:05	MA34110-CCB12	2183	167770	36273	6425
20:15	ZZZZZZ	2006	157090	35818	5735
20:21	ZZZZZZ	1992	156840	36004	5734
20:27	ZZZZZZ	2102	163870	36698	5923

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
20:33	ZZZZZZ	2002	158590	36238	5764
20:39	ZZZZZZ	2124	164990	35955	6308
20:45	ZZZZZZ	2043	158190	35112	5945
20:51	ZZZZZZ	2111	163870	35778	6202
20:57	ZZZZZZ	2163	166260	36752	6441
21:03	ZZZZZZ	2076	163730	35569	6036
21:09	MA34110-CCV11	2099	999999 !a	35251	5984
21:15	MA34110-CCB13	2203	167670	36438	6489
21:21	MA34110-CCV12	2091	160690	34952	5970
21:27	MA34110-CCB14	2197	168280	36371	6487
21:33	ZZZZZZ	2137	168960	36249	6321
21:39	ZZZZZZ	2097	161530	35421	6114
21:45	ZZZZZZ	2175	168230	36551	6440
21:51	ZZZZZZ	2161	161540	37768	6407
21:57	ZZZZZZ	2218	167270	36384	6535
22:03	MP79705-MB1	2185	169130	36576	6491
22:09	MP79705-LC1	2158	166220	36020	6338
22:15	MP79705-S1	2073	161090	35500	5949
22:21	MP79705-S2	2103	156950	35537	6040
22:27	MA34110-CCV13	2099	161110	35729	5980
22:33	MA34110-CCB15	2214	167830	36416	6522
22:39	JB67543-1	2125	164010	35883	6171
22:45	MP79705-SD1	2200	168830	36819	6468
22:51	ZZZZZZ	2132	168600	36486	6240
22:57	ZZZZZZ	1980	155170	36047	5634
23:03	ZZZZZZ	1872	148290	34363	5233
23:10	ZZZZZZ	2033	158370	35354	5856
23:16	ZZZZZZ	2112	163770	35981	6181
23:22	ZZZZZZ	2128	165390	37349	6253
23:28	ZZZZZZ	1985	157010	35673	5635
23:34	MA34110-CCV14	2132	162990	35618	6089
23:40	MA34110-CCB16	2206	168470	36403	6536
23:46	MA34110-CRI4	2175	167430	36886	6409

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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	MA34110-CRID4	2210	173510	36165	6536
23:58	MA34110-CRIA3	2228	168910	36813	6596
00:04	MA34110-CCV15	2121	162100	36296	6045
00:10	MA34110-CCB17	2205	168100	36116	6504
00:16	ZZZZZZ	1897	148730	34384	5292
00:22	ZZZZZZ	2014	157730	35425	5798
00:28	ZZZZZZ	2224	178630	41766	4804
00:34	ZZZZZZ	2123	164400	36101	6226
00:40	ZZZZZZ	2100	161900	35739	6011
00:46	ZZZZZZ	2242	170860	37599	5874
00:52	ZZZZZZ	2021	158930	35597	5643
00:59	ZZZZZZ	2274	176830	42231	4830
01:05	ZZZZZZ	2125	165660	36300	6221
01:11	ZZZZZZ	2115	163500	36108	6104
01:17	MA34110-CCV16	2094	162260	35500	5986
01:23	MA34110-CCB18	2207	169820	36611	6521
01:29	ZZZZZZ	2663	200720	45594	4994
01:35	ZZZZZZ	1936	151620	35258	5422
01:41	MP79697-MB1	2219	165700	37688	6603
01:47	MP79697-LC1	2170	164680	38155	6395
01:53	MP79697-S1	2023	163190	35868	5809
01:59	MP79697-S2	2053	154870	35039	5898
02:05	JB67506-1	2112	164120	36080	6162
02:11	MP79697-SD1	2206	170170	37169	6513
02:17	ZZZZZZ	2043	160750	35927	5876
02:24	ZZZZZZ	2073	164240	35890	5982
02:30	MA34110-CCV17	2122	162100	35627	6040
02:36	MA34110-CCB19	2247	173650	36689	6640
02:42	ZZZZZZ	2180	168290	36720	6458
02:48	ZZZZZZ	1996	999999 !a	35035	5710
02:54	ZZZZZZ	2076	160550	33633	5930
03:00	ZZZZZZ	2094	162500	35739	6034
03:06	ZZZZZZ	2169	168270	36372	6437

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
03:12	ZZZZZZ	1994	156500	35077	5705
03:18	ZZZZZZ	2142	165120	36362	6171
03:24	ZZZZZZ	2160	999999 !a	35860	6271
03:30	ZZZZZZ	2207	170760	999999 !a	6570
03:37	ZZZZZZ	2124	999999 !a	36693	6088
03:43	MA34110-CCV18	2127	162210	999999 !a	6051
03:48	MA34110-CCB20	2239	170170	36305	6606
03:55	ZZZZZZ	2114	160950	35593	6131
04:01	ZZZZZZ	2112	162760	35648	6117
04:07	ZZZZZZ	2124	164040	36999	6161
04:13	ZZZZZZ	2113	165510	36235	6123
04:18	ZZZZZZ	2111	163180	35727	6133
04:25	ZZZZZZ	2114	164190	35535	6136
04:31	MP79707-MB1	2219	167360	36726	6585
04:37	MP79707-LC1	2193	168680	35990	6436
04:42	MP79707-S1	2124	163990	35658	6121
04:48	MP79707-S2	2123	164070	35685	6121
04:54	MA34110-CCV19	2186	162220	35472	6192
05:00	MA34110-CCB21	2266	170150	35834	6652
05:06	MA34110-CRI5	2230	169840	36160	6520
05:12	MA34110-CRID5	2237	169850	36007	6579
05:18	MA34110-CRIA4	2271	171920	35332	6681
05:24	MA34110-CCV20	2149	162900	35352	6082
05:30	MA34110-CCB22	2244	999999 !a	35653	6599
05:36	JB67662-1	2177	168120	35880	6393
05:42	MP79707-SD1	2216	169050	36095	6539
05:48	ZZZZZZ	2090	156890	35334	5899
05:55	ZZZZZZ	2070	160870	35215	5880
06:01	ZZZZZZ	2132	163580	35668	6007
06:07	ZZZZZZ	2111	162040	35560	6022
06:13	ZZZZZZ	2070	160180	35468	5803
06:19	MA34110-CCV21	2145	163120	35175	6067
06:25	MA34110-CCB23	2259	173830	36581	6631

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34110
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
06:31	MP79717-MB2	2244	170550	35554	6640
06:37	MP79717-B2	2211	168500	36270	6390
06:43	ZZZZZZ	2252	164860	35991	6391
06:49	ZZZZZZ	2271	170560	37109	6494
06:55	ZZZZZZ	2336	181970	38276	6525
07:01	ZZZZZZ	2555	192140	41691	6499
07:07	MP79733-LC1	2212	169320	35866	6494
07:13	MP79733-MB1	2242	176000	35099	6650
07:19	ZZZZZZ	2269	171360	36861	6721
07:26	MA34110-CCV22	2148	158720	35311	6080
07:31	MA34110-CCB24	2262	175280	36124	6643
07:37	MP79733-B1	2160	164860	35658	6257
07:43	MA34110-CRI6	2228	168520	35925	6515
07:49	MA34110-CRID6	2256	172870	36535	6610
07:55	MA34110-CRIA5	2261	170590	36208	6646
08:02	MA34110-CCV23	2165	161130	35749	6134
08:07	MA34110-CCB25	2259	171930	35869	6656
08:13	ZZZZZZ	2277	167660	36164	6823
08:19	ZZZZZZ	2216	170520	36707	6521
08:23	ZZZZZZ	2247	169790	36017	6619
08:28	ZZZZZZ	2260	172110	36468	6649
08:35	ZZZZZZ	2255	172640	36616	6741
08:39	ZZZZZZ	2270	166110	37137	6690
08:44	ZZZZZZ	2266	170910	36489	6689
08:49	ZZZZZZ	2256	170600	36333	6658
08:55	ZZZZZZ	2253	171960	35410	6637
09:00	ZZZZZZ	2041	154130	35197	5768

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			10:06		10:27		10:56		11:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-22	<200*(a)	-19	<200	-25	<200	-25	<200
Antimony	6.0	1.3	-0.20	<6.0	0.60	<6.0	-0.10	<6.0	0.10	<6.0
Arsenic	3.0	1.2	0.40	<3.0	0.20	<3.0	0.20	<3.0	0.60	<3.0
Barium	200	.2	0.20	<200	0.40	<200	0.10	<200	0.30	<200
Beryllium	1.0	.04	0.0	<1.0	0.30	<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	0.0	<3.0
Calcium	5000	8.7	-21	<5000	-18	<5000	-22	<5000	-19	<5000
Chromium	10	.3	0.0	<10	0.30	<10	0.30	<10	0.20	<10
Cobalt	50	.4	0.0	<50	0.20	<50	-0.10	<50	0.10	<50
Copper	10	.5	0.30	<10	-0.40	<10	0.20	<10	0.0	<10
Iron	100	3.8	-11	<100	-5.7	<100	-12	<100	-7.6	<100
Lead	3.0	1.3	-0.10	<3.0	0.80	<3.0	-0.10	<3.0	0.30	<3.0
Lithium	20	.8								
Magnesium	5000	12	-33	<5000	-19	<5000	-28	<5000	-14	<5000
Manganese	15	.04	0.10	<15	0.30	<15	0.10	<15	0.20	<15
Molybdenum	20	.5								
Nickel	10	.7	0.0	<10	0.20	<10	0.0	<10	0.20	<10
Palladium	50	1								
Potassium	10000	17	6.8	<10000	20.5	<10000	17.5	<10000	3.3	<10000
Selenium	10	2	-2.8	<10	-3.8	<10	-3.3	<10	-3.5	<10
Silicon	200	8.4	anr							
Silver	10	.3	0.10	<10	0.20	<10	0.10	<10	0.30	<10
Sodium	10000	7.1	5.4	<10000	11.4	<10000	5.3	<10000	13.4	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.70	<2.0	0.50	<2.0	0.60	<2.0	0.50	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.0	<50	0.20	<50	0.0	<50	0.0	<50
Zinc	20	1.5	-0.90	<20	-0.40	<20	-0.80	<20	-1.1	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			10:06		10:27		10:56		11:27	
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
(a) No EPA samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			12:31		13:31		14:39		15:54	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-24	<200	-23	<200	-19	<200	-23	<200
Antimony	6.0	1.3	0.0	<6.0	-0.40	<6.0	0.70	<6.0	0.10	<6.0
Arsenic	3.0	1.2	0.80	<3.0	0.40	<5.0	1.2	<3.0	0.80	<3.0
Barium	200	.2	0.30	<200	0.20	<200	0.30	<200	0.30	<200
Beryllium	1.0	.04	0.10	<1.0	0.20	<2.0	0.20	<1.0	0.30	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.20	<3.0	0.10	<3.0	0.20	<3.0	0.10	<3.0
Calcium	5000	8.7	-18	<5000	-4.0	<5000	-17	<5000	-16	<5000
Chromium	10	.3	0.20	<10	0.20	<10	0.20	<10	0.30	<10
Cobalt	50	.4	0.10	<50	0.10	<50	0.30	<50	0.10	<50
Copper	10	.5	0.70	<10	0.30	<10	0.0	<10	0.0	<10
Iron	100	3.8	-6.7	<100	-7.3	<100	-7.8	<100	-6.8	<100
Lead	3.0	1.3	0.50	<3.0	0.70	<5.0	0.50	<3.0	0.60	<3.0
Lithium	20	.8								
Magnesium	5000	12	-9.8	<5000	-14	<5000	-22	<5000	-25	<5000
Manganese	15	.04	0.20	<15	0.40	<15	0.20	<15	0.30	<15
Molybdenum	20	.5								
Nickel	10	.7	0.0	<10	0.30	<10	0.40	<10	0.10	<10
Palladium	50	1								
Potassium	10000	17	-6.3	<10000	1.6	<10000	21.7	<10000	5.1	<10000
Selenium	10	2	-1.7	<10	-2.7	<10	-1.9	<10	-4.1	<10
Silicon	200	8.4	anr							
Silver	10	.3	0.20	<10	0.20	<10	0.30	<10	0.10	<10
Sodium	10000	7.1	7.7	<10000	215	<10000	26.2	<10000	19.2	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.30	<2.0	1.3	<5.0	0.80	<2.0	1.3	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.0	<50	0.10	<50	0.10	<50	0.10	<50
Zinc	20	1.5	-1.1	<20	-0.60	<20	-0.80	<20	-0.70	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			12:31		13:31		14:39		15:54	
Sample ID:			CCB4		CCB5		CCB6		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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time: / Sample ID:			16:17 CCB8		17:24 CCB9		18:40 CCB10		20:05 CCB12	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-24	<200*(a)	-22	<200*(a)	-23	<200*(a)	-17	<200
Antimony	6.0	1.3	-0.10	<6.0	0.30	<6.0	-0.70	<6.0	-2.2	<6.0
Arsenic	3.0	1.2	0.50	<3.0	0.20	<3.0	0.40	<3.0	1.2	<3.0
Barium	200	.2	0.20	<200	0.30	<200	0.30	<200	0.20	<200
Beryllium	1.0	.04	0.0	<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	-0.10	<3.0	0.0	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	8.7	-22	<5000	-20	<5000	-16	<5000	-7.6	<5000
Chromium	10	.3	0.10	<10	0.30	<10	0.0	<10	0.20	<10
Cobalt	50	.4	0.10	<50	0.10	<50	0.20	<50	0.10	<50
Copper	10	.5	-0.50	<10	0.10	<10	0.30	<10	1.0	<10
Iron	100	3.8	-12	<100*(b)	-8.2	<100	-8.6	<100	-9.5	<100
Lead	3.0	1.3	-0.50	<3.0	0.60	<3.0	-0.10	<3.0	-0.30	<3.0
Lithium	20	.8								
Magnesium	5000	12	-30	<5000	-21	<5000	-25	<5000	-24	<5000
Manganese	15	.04	0.0	<15	0.20	<15	0.10	<15	0.20	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.20	<10	0.0	<10	-0.10	<10	-0.30	<10
Palladium	50	1								
Potassium	10000	17	-10	<10000	7.3	<10000	-7.7	<10000	6.2	<10000
Selenium	10	2	-3.2	<10	-2.9	<10	-3.8	<10	-2.7	<10
Silicon	200	8.4	anr							
Silver	10	.3	0.10	<10	0.20	<10	0.10	<10	0.40	<10
Sodium	10000	7.1	11.9	<10000	30.1	<10000	13.5	<10000	16.9	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	-0.10	<2.0	0.0	<2.0	1.3	<2.0	0.30	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	-0.10	<50	0.10	<50	-0.10	<50	-0.30	<50
Zinc	20	1.5	-1.1	<20	-0.70	<20	-1.0	<20	-1.3	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			16:17		17:24		18:40		20:05	
Sample ID:			CCB8		CCB9		CCB10		CCB12	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No EPA samples reported for this element in the area bracketed by this QC.
(b) All reported results <RL or >10xCCB value.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time: / Sample ID:			21:15 CCB13		21:27 CCB14		22:33 CCB15		23:40 CCB16	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-24	<200*(a)	-20	<200	-21	<200*(a)	-19	<200
Antimony	6.0	1.3	-1.9	<6.0	-1.7	<6.0	-2.0	<6.0	-1.6	<6.0
Arsenic	3.0	1.2	0.10	<3.0	0.30	<3.0	0.80	<3.0	-0.40	<3.0
Barium	200	.2	0.30	<200	0.30	<200	0.20	<200	0.50	<200
Beryllium	1.0	.04	0.10	<1.0	0.10	<1.0	0.10	<1.0	0.20	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.0	<3.0	0.20	<3.0	0.10	<3.0	0.20	<3.0
Calcium	5000	8.7	-7.9	<5000	-3.4	<5000	-6.9	<5000	-3.7	<5000
Chromium	10	.3	0.0	<10	-0.10	<10	0.10	<10	0.10	<10
Cobalt	50	.4	0.0	<50	0.30	<50	0.0	<50	0.0	<50
Copper	10	.5	1.1	<10	1.1	<10	1.1	<10	1.2	<10
Iron	100	3.8	-11	<100	-8.4	<100	-9.3	<100	-7.2	<100
Lead	3.0	1.3	-1.3	<3.0	-0.90	<3.0	-0.70	<3.0	-1.0	<3.0
Lithium	20	.8								
Magnesium	5000	12	-18	<5000	-23	<5000	-30	<5000	-18	<5000
Manganese	15	.04	0.10	<15	0.20	<15	0.30	<15	0.30	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.40	<10	-0.30	<10	-0.30	<10	-0.40	<10
Palladium	50	1								
Potassium	10000	17	-18	<10000	10.5	<10000	18.0	<10000	6.2	<10000
Selenium	10	2	-1.5	<10	-2.0	<10	-2.7	<10	-0.90	<10
Silicon	200	8.4	anr							
Silver	10	.3	0.60	<10	0.20	<10	0.0	<10	0.20	<10
Sodium	10000	7.1	15.3	<10000	14.0	<10000	11.7	<10000	19.0	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.10	<2.0	0.90	<2.0	0.90	<2.0	0.40	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	-0.30	<50	-0.20	<50	-0.20	<50	-0.10	<50
Zinc	20	1.5	-1.5	<20	-1.2	<20	-1.2	<20	-0.90	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			21:15		21:27		22:33		23:40	
Sample ID:			CCB13		CCB14		CCB15		CCB16	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No EPA samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			00:10		01:23		02:36		03:48	
Sample ID:			CCB17		CCB18		CCB19		CCB20	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-19	<200	-17	<200	-21	<200*(a)	-20	<200
Antimony	6.0	1.3	-1.8	<6.0	-1.6	<6.0	-1.1	<6.0	-2.2	<6.0
Arsenic	3.0	1.2	0.80	<3.0	0.30	<3.0	0.70	<3.0	0.60	<3.0
Barium	200	.2	0.50	<200	0.10	<200	0.40	<200	0.50	<200
Beryllium	1.0	.04	0.30	<1.0	0.10	<1.0	0.30	<1.0	0.40	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.10	<3.0	0.10	<3.0	0.30	<3.0	0.10	<3.0
Calcium	5000	8.7	1.2	<5000	-7.4	<5000	-4.1	<5000	-2.3	<5000
Chromium	10	.3	0.40	<10	0.0	<10	0.20	<10	0.30	<10
Cobalt	50	.4	0.30	<50	0.10	<50	0.20	<50	0.20	<50
Copper	10	.5	1.3	<10	0.80	<10	0.70	<10	1.1	<10
Iron	100	3.8	-3.9	<100	-7.7	<100	-5.4	<100	-4.0	<100
Lead	3.0	1.3	0.20	<3.0	-0.80	<3.0	0.10	<3.0	0.0	<3.0
Lithium	20	.8								
Magnesium	5000	12	-15	<5000	-31	<5000	-25	<5000	-16	<5000
Manganese	15	.04	0.40	<15	0.20	<15	0.50	<15	0.50	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.10	<10	-0.40	<10	-0.10	<10	-0.20	<10
Palladium	50	1								
Potassium	10000	17	-3.5	<10000	9.8	<10000	12.8	<10000	15.1	<10000
Selenium	10	2	-1.0	<10	-1.9	<10	-1.5	<10	-1.5	<10
Silicon	200	8.4	anr							
Silver	10	.3	0.20	<10	0.30	<10	0.50	<10	0.30	<10
Sodium	10000	7.1	18.0	<10000	66.2	<10000	25.0	<10000	18.7	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.50	<2.0	0.20	<2.0	0.30	<2.0	0.40	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.10	<50	-0.20	<50	0.20	<50	0.10	<50
Zinc	20	1.5	-1.0	<20	-0.80	<20	-0.90	<20	-1.1	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			00:10		01:23		02:36		03:48	
Sample ID:			CCB17		CCB18		CCB19		CCB20	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No EPA samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			05:00		05:30		06:25		07:31	
Sample ID:			CCB21		CCB22		CCB23		CCB24	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-16	<200	-23	<200*(a)	-17	<200	-21	<200*(a)
Antimony	6.0	1.3	-0.50	<6.0	-0.60	<6.0	-0.40	<6.0	-0.70	<6.0
Arsenic	3.0	1.2	1.1	<3.0	0.70	<3.0	0.80	<3.0	0.10	<3.0
Barium	200	.2	0.60	<200	0.20	<200	0.50	<200	0.40	<200
Beryllium	1.0	.04	0.40	<1.0	0.10	<1.0	0.40	<1.0	0.30	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.20	<3.0	0.10	<3.0	0.30	<3.0	0.50	<3.0
Calcium	5000	8.7	-2.5	<5000	-12	<5000	-3.0	<5000	-8.0	<5000
Chromium	10	.3	0.30	<10	0.20	<10	0.40	<10	0.20	<10
Cobalt	50	.4	0.10	<50	0.20	<50	0.30	<50	0.30	<50
Copper	10	.5	0.80	<10	-3.0	<10	0.40	<10	0.50	<10
Iron	100	3.8	-2.1	<100	-9.4	<100	-2.2	<100	-5.1	<100
Lead	3.0	1.3	0.60	<3.0	-0.10	<3.0	-0.60	<3.0	-0.50	<3.0
Lithium	20	.8								
Magnesium	5000	12	-23	<5000	-32	<5000	-23	<5000	-28	<5000
Manganese	15	.04	0.50	<15	0.10	<15	0.90	<15	0.40	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.10	<10	-0.40	<10	-0.30	<10	-0.30	<10
Palladium	50	1								
Potassium	10000	17	20.5	<10000	18.0	<10000	-1.3	<10000	13.5	<10000
Selenium	10	2	-2.4	<10	-1.7	<10	-3.3	<10	-1.6	<10
Silicon	200	8.4	anr							
Silver	10	.3	0.30	<10	0.30	<10	0.30	<10	0.10	<10
Sodium	10000	7.1	16.4	<10000	8.9	<10000	30.4	<10000	16.6	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	1.1	<2.0	0.70	<2.0	0.60	<2.0	0.50	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.0	<50	0.0	<50	0.0	<50	0.0	<50
Zinc	20	1.5	-0.90	<20	-0.50	<20	-1.2	<20	-0.90	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			05:00		05:30		06:25		07:31	
Sample ID:			CCB21		CCB22		CCB23		CCB24	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No EPA samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			08:07	
Sample ID:			CCB25	
Metal	RL	IDL	raw	final
Aluminum	200	6.7	-17	<200
Antimony	6.0	1.3	-1.3	<6.0
Arsenic	3.0	1.2	0.40	<3.0
Barium	200	.2	0.50	<200
Beryllium	1.0	.04	0.30	<1.0
Bismuth	20	1.2		
Boron	100	1.2		
Cadmium	3.0	.2	0.40	<3.0
Calcium	5000	8.7	-6.6	<5000
Chromium	10	.3	0.10	<10
Cobalt	50	.4	0.40	<50
Copper	10	.5	0.70	<10
Iron	100	3.8	-4.5	<100
Lead	3.0	1.3	-0.10	<3.0
Lithium	20	.8		
Magnesium	5000	12	-27	<5000
Manganese	15	.04	0.40	<15
Molybdenum	20	.5		
Nickel	10	.7	-0.10	<10
Palladium	50	1		
Potassium	10000	17	14.4	<10000
Selenium	10	2	-1.6	<10
Silicon	200	8.4	anr	
Silver	10	.3	0.10	<10
Sodium	10000	7.1	12.9	<10000
Sulfur	50	4.4		
Strontium	10	.09		
Thallium	2.0	1.4	0.70	<2.0
Tin	10	.8	anr	
Titanium	10	.4		
Tungsten	50	11		
Vanadium	50	.3	0.10	<50
Zinc	20	1.5	-1.1	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34110 Units: ug/l

Time:			08:07	
Sample ID:			CCB25	
Metal	RL	IDL	raw	final
Zirconium	10	.6		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		10:36	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	40000	39500	98.8
Antimony	2000	1990	99.5
Arsenic	2000	2000	100.0
Barium	2000	1990	99.5
Beryllium	2000	2050	102.5
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	40000	40200	100.5
Chromium	2000	2010	100.5
Cobalt	2000	2020	101.0
Copper	2000	1940	97.0
Iron	40000	40400	101.0
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	39700	99.3
Manganese	2000	2080	104.0
Molybdenum			
Nickel	2000	2040	102.0
Palladium			
Potassium	40000	39500	98.8
Selenium	2000	1990	99.5
Silicon	anr		
Silver	250	244	97.6
Sodium	40000	39700	99.3
Sulfur			
Strontium			
Thallium	2000	2080	104.0
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	1980	99.0
Zinc	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		10:36	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		09:51			11:21			12:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39700	99.3	40000	39100	97.8
Antimony	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Arsenic	2000	2020	101.0	2000	1990	99.5	2000	1990	99.5
Barium	2000	2020	101.0	2000	1990	99.5	2000	1990	99.5
Beryllium	2000	2030	101.5	2000	2050	102.5	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Calcium	40000	40700	101.8	40000	40200	100.5	40000	40100	100.3
Chromium	2000	2010	100.5	2000	2010	100.5	2000	1960	98.0
Cobalt	2000	1960	98.0	2000	2010	100.5	2000	2000	100.0
Copper	2000	1930	96.5	2000	1930	96.5	2000	1890	94.5
Iron	40000	41100	102.8	40000	40400	101.0	40000	40300	100.8
Lead	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Lithium									
Magnesium	40000	40800	102.0	40000	39700	99.3	40000	39600	99.0
Manganese	2000	2060	103.0	2000	2080	104.0	2000	2020	101.0
Molybdenum									
Nickel	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Palladium									
Potassium	40000	40300	100.8	40000	39700	99.3	40000	39200	98.0
Selenium	2000	1960	98.0	2000	1980	99.0	2000	1980	99.0
Silicon	anr								
Silver	250	253	101.2	250	245	98.0	250	239	95.6
Sodium	40000	40100	100.3	40000	39800	99.5	40000	39400	98.5
Sulfur									
Strontium									
Thallium	2000	2030	101.5	2000	2070	103.5	2000	2060	103.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1940	97.0	2000	1980	99.0	2000	1930	96.5
Zinc	2000	2020	101.0	2000	2050	102.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		09:51			11:21			12:25	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		13:25			14:32			15:48	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38400	96.0	40000	39200	98.0	40000	37600	94.0
Antimony	2000	1940	97.0	2000	2000	100.0	2000	1930	96.5
Arsenic	2000	1960	98.0	2000	2020	101.0	2000	1980	99.0
Barium	2000	1990	99.5	2000	1990	99.5	2000	1880	94.0
Beryllium	2000	2030	101.5	2000	2050	102.5	2000	1960	98.0
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	2030	101.5	2000	1970	98.5
Calcium	40000	39600	99.0	40000	39900	99.8	40000	38500	96.3
Chromium	2000	1970	98.5	2000	1980	99.0	2000	2020	101.0
Cobalt	2000	1970	98.5	2000	2030	101.5	2000	1990	99.5
Copper	2000	1910	95.5	2000	1900	95.0	2000	1910	95.5
Iron	40000	39800	99.5	40000	40200	100.5	40000	38500	96.3
Lead	2000	2000	100.0	2000	2050	102.5	2000	2000	100.0
Lithium									
Magnesium	40000	39000	97.5	40000	39500	98.8	40000	38000	95.0
Manganese	2000	2020	101.0	2000	2050	102.5	2000	2080	104.0
Molybdenum									
Nickel	2000	2010	100.5	2000	2070	103.5	2000	2020	101.0
Palladium									
Potassium	40000	38700	96.8	40000	39300	98.3	40000	37400	93.5
Selenium	2000	1980	99.0	2000	2010	100.5	2000	2030	101.5
Silicon	anr								
Silver	250	243	97.2	250	242	96.8	250	238	95.2
Sodium	40000	38300	95.8	40000	39300	98.3	40000	37600	94.0
Sulfur									
Strontium									
Thallium	2000	2040	102.0	2000	2080	104.0	2000	2000	100.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1940	97.0	2000	1950	97.5	2000	1970	98.5
Zinc	2000	2100	105.0	2000	2090	104.5	2000	2100	105.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		13:25			14:32			15:48	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		16:11			17:18			18:34	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38900	97.3	40000	39900	99.8	40000	38800	97.0
Antimony	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Barium	2000	1940	97.0	2000	2000	100.0	2000	2010	100.5
Beryllium	2000	2030	101.5	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Calcium	40000	39900	99.8	40000	40800	102.0	40000	41000	102.5
Chromium	2000	2040	102.0	2000	2050	102.5	2000	2010	100.5
Cobalt	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0
Copper	2000	1930	96.5	2000	1920	96.0	2000	1930	96.5
Iron	40000	39800	99.5	40000	40800	102.0	40000	40600	101.5
Lead	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Lithium									
Magnesium	40000	39300	98.3	40000	40400	101.0	40000	40000	100.0
Manganese	2000	2110	105.5	2000	2120	106.0	2000	2050	102.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Palladium									
Potassium	40000	38800	97.0	40000	40000	100.0	40000	39200	98.0
Selenium	2000	1970	98.5	2000	1980	99.0	2000	2010	100.5
Silicon	anr								
Silver	250	245	98.0	250	245	98.0	250	248	99.2
Sodium	40000	38900	97.3	40000	39800	99.5	40000	39100	97.8
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2070	103.5	2000	2060	103.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2010	100.5	2000	1980	99.0
Zinc	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		16:11			17:18			18:34	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		19:59			21:09			21:21	
Sample ID:	CCV	CCV10		CCV	CCV11		CCV	CCV12	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37600	94.0	40000	37500	93.8	40000	38000	95.0
Antimony	2000	1940	97.0	2000	1920	96.0	2000	1930	96.5
Arsenic	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Barium	2000	2040	102.0	2000	2070	103.5	2000	2090	104.5
Beryllium	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Bismuth									
Boron									
Cadmium	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Calcium	40000	40300	100.8	40000	40500	101.3	40000	41100	102.8
Chromium	2000	1970	98.5	2000	1990	99.5	2000	1950	97.5
Cobalt	2000	1920	96.0	2000	1900	95.0	2000	1900	95.0
Copper	2000	1900	95.0	2000	1900	95.0	2000	1880	94.0
Iron	40000	40000	100.0	40000	40200	100.5	40000	40700	101.8
Lead	2000	1960	98.0	2000	1950	97.5	2000	1960	98.0
Lithium									
Magnesium	40000	39500	98.8	40000	39700	99.3	40000	40400	101.0
Manganese	2000	2020	101.0	2000	2030	101.5	2000	2000	100.0
Molybdenum									
Nickel	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Palladium									
Potassium	40000	39300	98.3	40000	39600	99.0	40000	40200	100.5
Selenium	2000	2030	101.5	2000	2110	105.5	2000	2040	102.0
Silicon	anr								
Silver	250	249	99.6	250	247	98.8	250	250	100.0
Sodium	40000	38800	97.0	40000	39100	97.8	40000	39600	99.0
Sulfur									
Strontium									
Thallium	2000	2030	101.5	2000	1980	99.0	2000	2040	102.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1960	98.0	2000	1960	98.0	2000	1950	97.5
Zinc	2000	2010	100.5	2000	2080	104.0	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		19:59			21:09			21:21	
Sample ID:	CCV	CCV10		CCV	CCV11		CCV	CCV12	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		22:27			23:34			00:04	
Sample ID:	CCV	CCV13		CCV	CCV14		CCV	CCV15	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37100	92.8	40000	37300	93.3	40000	36700	91.8
Antimony	2000	1930	96.5	2000	1900	95.0	2000	1920	96.0
Arsenic	2000	2000	100.0	2000	1960	98.0	2000	1980	99.0
Barium	2000	2040	102.0	2000	2050	102.5	2000	2010	100.5
Beryllium	2000	2060	103.0	2000	2070	103.5	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Calcium	40000	40100	100.3	40000	40000	100.0	40000	39400	98.5
Chromium	2000	1950	97.5	2000	1920	96.0	2000	1940	97.0
Cobalt	2000	1900	95.0	2000	1870	93.5	2000	1890	94.5
Copper	2000	1880	94.0	2000	1870	93.5	2000	1890	94.5
Iron	40000	39800	99.5	40000	39800	99.5	40000	39100	97.8
Lead	2000	1960	98.0	2000	1930	96.5	2000	1950	97.5
Lithium									
Magnesium	40000	39300	98.3	40000	39400	98.5	40000	38700	96.8
Manganese	2000	2000	100.0	2000	1970	98.5	2000	1990	99.5
Molybdenum									
Nickel	2000	2020	101.0	2000	1980	99.0	2000	2000	100.0
Palladium									
Potassium	40000	39300	98.3	40000	39500	98.8	40000	38900	97.3
Selenium	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Silicon	anr								
Silver	250	249	99.6	250	246	98.4	250	248	99.2
Sodium	40000	38600	96.5	40000	38900	97.3	40000	38300	95.8
Sulfur									
Strontium									
Thallium	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1950	97.5	2000	1920	96.0	2000	1930	96.5
Zinc	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		22:27			23:34			00:04	
Sample ID:	CCV	CCV13		CCV	CCV14		CCV	CCV15	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		01:17			02:30			03:43	
Sample ID:	CCV	CCV16		CCV	CCV17		CCV	CCV18	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37900	94.8	40000	37800	94.5	40000	39000	97.5
Antimony	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Arsenic	2000	2020	101.0	2000	1990	99.5	2000	2020	101.0
Barium	2000	2050	102.5	2000	2020	101.0	2000	2070	103.5
Beryllium	2000	2090	104.5	2000	2060	103.0	2000	2130	106.5
Bismuth									
Boron									
Cadmium	2000	2070	103.5	2000	2040	102.0	2000	2040	102.0
Calcium	40000	40400	101.0	40000	40000	100.0	40000	41600	104.0
Chromium	2000	1950	97.5	2000	1960	98.0	2000	1970	98.5
Cobalt	2000	1920	96.0	2000	1920	96.0	2000	1920	96.0
Copper	2000	1900	95.0	2000	1900	95.0	2000	1900	95.0
Iron	40000	40100	100.3	40000	39600	99.0	40000	41000	102.5
Lead	2000	1980	99.0	2000	1970	98.5	2000	1980	99.0
Lithium									
Magnesium	40000	39900	99.8	40000	39400	98.5	40000	40900	102.3
Manganese	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Molybdenum									
Nickel	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Palladium									
Potassium	40000	39800	99.5	40000	39400	98.5	40000	40400	101.0
Selenium	2000	2050	102.5	2000	2020	101.0	2000	2090	104.5
Silicon	anr								
Silver	250	249	99.6	250	248	99.2	250	242	96.8
Sodium	40000	39200	98.0	40000	38900	97.3	40000	40000	100.0
Sulfur									
Strontium									
Thallium	2000	2040	102.0	2000	2030	101.5	2000	1990	99.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1960	98.0	2000	1960	98.0	2000	1950	97.5
Zinc	2000	2040	102.0	2000	2020	101.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		01:17			02:30			03:43	
Sample ID:	CCV	CCV16		CCV	CCV17		CCV	CCV18	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		04:54			05:24			06:19	
Sample ID:	CCV	CCV19		CCV	CCV20		CCV	CCV21	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37900	94.8	40000	38400	96.0	40000	38500	96.3
Antimony	2000	1900	95.0	2000	1950	97.5	2000	1960	98.0
Arsenic	2000	1940	97.0	2000	2000	100.0	2000	2000	100.0
Barium	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Beryllium	2000	2060	103.0	2000	2070	103.5	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	2040	102.0	2000	2050	102.5
Calcium	40000	40100	100.3	40000	40500	101.3	40000	40600	101.5
Chromium	2000	1980	99.0	2000	1990	99.5	2000	2000	100.0
Cobalt	2000	1890	94.5	2000	1950	97.5	2000	1960	98.0
Copper	2000	1900	95.0	2000	1910	95.5	2000	1900	95.0
Iron	40000	39600	99.0	40000	40000	100.0	40000	40100	100.3
Lead	2000	1950	97.5	2000	2000	100.0	2000	2020	101.0
Lithium									
Magnesium	40000	39800	99.5	40000	40100	100.3	40000	40200	100.5
Manganese	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Molybdenum									
Nickel	2000	1980	99.0	2000	2030	101.5	2000	2040	102.0
Palladium									
Potassium	40000	39100	97.8	40000	39400	98.5	40000	39400	98.5
Selenium	2000	1950	97.5	2000	2000	100.0	2000	2010	100.5
Silicon	anr								
Silver	250	248	99.2	250	247	98.8	250	248	99.2
Sodium	40000	38800	97.0	40000	39000	97.5	40000	39100	97.8
Sulfur									
Strontium									
Thallium	2000	2000	100.0	2000	2050	102.5	2000	2050	102.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1970	98.5	2000	1970	98.5	2000	1980	99.0
Zinc	2000	1990	99.5	2000	2050	102.5	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		04:54			05:24			06:19	
Sample ID:	CCV	CCV19		CCV	CCV20		CCV	CCV21	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		07:26			08:02	
Sample ID:	CCV	CCV22		CCV	CCV23	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38600	96.5	40000	38100	95.3
Antimony	2000	1960	98.0	2000	1930	96.5
Arsenic	2000	2010	100.5	2000	1980	99.0
Barium	2000	2000	100.0	2000	1980	99.0
Beryllium	2000	2080	104.0	2000	2060	103.0
Bismuth						
Boron						
Cadmium	2000	2060	103.0	2000	2030	101.5
Calcium	40000	40700	101.8	40000	40000	100.0
Chromium	2000	2070	103.5	2000	2030	101.5
Cobalt	2000	1970	98.5	2000	1920	96.0
Copper	2000	1980	99.0	2000	1940	97.0
Iron	40000	40100	100.3	40000	39500	98.8
Lead	2000	2020	101.0	2000	1980	99.0
Lithium						
Magnesium	40000	40300	100.8	40000	39600	99.0
Manganese	2000	2140	107.0	2000	2100	105.0
Molybdenum						
Nickel	2000	2050	102.5	2000	2020	101.0
Palladium						
Potassium	40000	39500	98.8	40000	39100	97.8
Selenium	2000	2020	101.0	2000	1990	99.5
Silicon	anr					
Silver	250	256	102.4	250	251	100.4
Sodium	40000	39100	97.8	40000	38700	96.8
Sulfur						
Strontium						
Thallium	2000	2080	104.0	2000	2020	101.0
Tin	anr					
Titanium						
Tungsten						
Vanadium	2000	2050	102.5	2000	2010	100.5
Zinc	2000	2070	103.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34110 Units: ug/l

Time:		07:26			08:02	
Sample ID:	CCV	CCV22		CCV	CCV23	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				11:42		11:48		11:54	
Sample ID:	CRI	CRIA	CRID	CRI2		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	181	90.5	451	90.2	75.6	75.6
Antimony	6.0	20	3.0	5.2	86.7	19.4	97.0	3.0	100.0
Arsenic	8.0	20	3.0	9.3	116.3	19.1	95.5	2.8	93.3
Barium	200		4.0	200	100.0			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	3.2	106.7			0.90	90.0
Calcium	5000		1000	5050	101.0			1000	100.0
Chromium	10		2.0	10.2	102.0			2.3	115.0
Cobalt	50		3.0	50.8	101.6			2.9	96.7
Copper	10		2.0	9.4	94.0			2.2	110.0
Iron	100	500		94.1	94.1	504	100.8		
Lead	3.0	20	2.5	3.2	106.7	20.0	100.0	2.7	108.0
Lithium	20								
Magnesium	5000		100	5110	102.2			76.4	76.4
Manganese	15		3.0	15.8	105.3			3.2	106.7
Molybdenum	20								
Nickel	10		4.0	10.1	101.0			4.0	100.0
Palladium	50								
Potassium	5000		2000	4870	97.4			1960	98.0
Selenium	10	20	5.0	7.9	79.0	18.7	93.5	3.9	78.0
Silicon	200			anr					
Silver	5.0		1.0	4.8	96.0			1.1	110.0
Sodium	5000		1000	4910	98.2			996	99.6
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.4	104.0			1.9	95.0
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	51.5	103.0			1.9	95.0
Zinc	20		10	20.8	104.0			12.5	125.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				11:42		11:48		11:54	
Sample ID:	CRI	CRIA	CRID	CRI2		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				17:58		18:04		18:10	
Sample ID:	CRI	CRIA	CRID	CRID3		CRI3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	77.1	77.1	189	94.5	459	91.8
Antimony	6.0	20	3.0	3.0	100.0	6.0	100.0	18.8	94.0
Arsenic	8.0	20	3.0	2.7	90.0	9.6	120.0	19.6	98.0
Barium	200		4.0	4.0	100.0	200	100.0		
Beryllium	2.0		1.0	1.0	100.0	2.2	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	0.90	90.0	3.3	110.0		
Calcium	5000		1000	1030	103.0	5150	103.0		
Chromium	10		2.0	2.1	105.0	10.7	107.0		
Cobalt	50		3.0	3.1	103.3	51.3	102.6		
Copper	10		2.0	1.5	75.0	9.5	95.0		
Iron	100	500				95.7	95.7	509	101.8
Lead	3.0	20	2.5	2.6	104.0	3.3	110.0	21.3	106.5
Lithium	20								
Magnesium	5000		100	78.8	78.8	5230	104.6		
Manganese	15		3.0			16.8	112.0		
Molybdenum	20								
Nickel	10		4.0	4.1	102.5	10.6	106.0		
Palladium	50								
Potassium	5000		2000	2030	101.5	5050	101.0		
Selenium	10	20	5.0	4.0	80.0	8.6	86.0	19.5	97.5
Silicon	200								
Silver	5.0		1.0	1.0	100.0	5.0	100.0		
Sodium	5000		1000	1030	103.0	4970	99.4		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	1.6	80.0	10.9	109.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	1.7	85.0	53.0	106.0		
Zinc	20		10			22.0	110.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				17:58		18:04		18:10	
Sample ID:	CRI	CRIA	CRID	CRID3		CRI3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				23:46		23:52		23:58	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	173	86.5	78.1	78.1	432	86.4
Antimony	6.0	20	3.0	4.7	78.3			17.6	88.0
Arsenic	8.0	20	3.0	8.7	108.8	3.5	116.7	19.3	96.5
Barium	200		4.0	206	103.0	4.3	107.5		
Beryllium	2.0		1.0	2.2	110.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.0	100.0		
Calcium	5000		1000	5000	100.0	1040	104.0		
Chromium	10		2.0	10.4	104.0	2.0	100.0		
Cobalt	50		3.0	49.2	98.4	2.9	96.7		
Copper	10		2.0	10.4	104.0	2.5	125.0		
Iron	100	500		92.7	92.7			504	100.8
Lead	3.0	20	2.5	2.2	73.3	2.2	88.0	19.5	97.5
Lithium	20								
Magnesium	5000		100	5000	100.0	78.8	78.8		
Manganese	15		3.0	16.0	106.7	3.1	103.3		
Molybdenum	20								
Nickel	10		4.0	10.0	100.0	3.7	92.5		
Palladium	50								
Potassium	5000		2000	4990	99.8	2060	103.0		
Selenium	10	20	5.0	11.2	112.0	4.4	88.0	22.6	113.0
Silicon	200			anr					
Silver	5.0		1.0	5.2	104.0	1.3	130.0		
Sodium	5000		1000	4840	96.8	1020	102.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.9	109.0	2.3	115.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.0	104.0	1.6	80.0		
Zinc	20		10	21.7	108.5	12.5	125.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				23:46		23:52		23:58	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				05:06		05:12		05:18	
Sample ID:	CRI	CRIA	CRID	CRI5		CRID5		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	189	94.5	79.5	79.5	463	92.6
Antimony	6.0	20	3.0	5.6	93.3	2.1	70.0	17.7	88.5
Arsenic	8.0	20	3.0	9.0	112.5	2.8	93.3	19.2	96.0
Barium	200		4.0	204	102.0	4.2	105.0		
Beryllium	2.0		1.0	2.2	110.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.3	110.0	1.1	110.0		
Calcium	5000		1000	5130	102.6	1040	104.0		
Chromium	10		2.0	10.7	107.0	2.2	110.0		
Cobalt	50		3.0	49.9	99.8	2.9	96.7		
Copper	10		2.0	10.1	101.0	2.4	120.0		
Iron	100	500		95.9	95.9			522	104.4
Lead	3.0	20	2.5	2.5	83.3	2.0	80.0	20.0	100.0
Lithium	20								
Magnesium	5000		100	5150	103.0	80.1	80.1		
Manganese	15		3.0	16.4	109.3	3.4	113.3		
Molybdenum	20								
Nickel	10		4.0	10.2	102.0	3.5	87.5		
Palladium	50								
Potassium	5000		2000	5010	100.2	2010	100.5		
Selenium	10	20	5.0	9.5	95.0	4.6	92.0	20.8	104.0
Silicon	200			anr					
Silver	5.0		1.0	5.0	100.0	1.2	120.0		
Sodium	5000		1000	4880	97.6	1010	101.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.4	114.0	1.9	95.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.2	104.4	1.8	90.0		
Zinc	20		10	21.8	109.0	12.6	126.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				05:06		05:12		05:18	
Sample ID:	CRI	CRIA	CRID	CRI5		CRID5		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				07:43		07:49		07:55	
Sample ID:	CRI	CRIA	CRID	CRI6		CRID6		CRIA5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	180	90.0	74.1	74.1	456	91.2
Antimony	6.0	20	3.0	5.3	88.3	2.3	76.7	18.8	94.0
Arsenic	8.0	20	3.0	9.5	118.8	3.0	100.0	20.0	100.0
Barium	200		4.0	206	103.0	4.2	105.0		
Beryllium	2.0		1.0	2.3	115.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.1	110.0		
Calcium	5000		1000	5180	103.6	1030	103.0		
Chromium	10		2.0	10.8	108.0	2.2	110.0		
Cobalt	50		3.0	50.1	100.2	2.9	96.7		
Copper	10		2.0	10.4	104.0	2.4	120.0		
Iron	100	500		96.2	96.2			508	101.6
Lead	3.0	20	2.5	3.6	120.0	1.8	72.0	20.2	101.0
Lithium	20								
Magnesium	5000		100	5240	104.8	82.6	82.6		
Manganese	15		3.0	16.6	110.7	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	10.2	102.0	3.4	85.0		
Palladium	50								
Potassium	5000		2000	5040	100.8	1990	99.5		
Selenium	10	20	5.0	10.3	103.0	4.9	98.0	19.4	97.0
Silicon	200			anr					
Silver	5.0		1.0	5.4	108.0	1.2	120.0		
Sodium	5000		1000	4950	99.0	986	98.6		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.5	115.0	2.4	120.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.8	105.6	1.7	85.0		
Zinc	20		10	22.3	111.5	12.7	127.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34110 Units: ug/l

Time:				07:43		07:49		07:55	
Sample ID:	CRI	CRIA	CRID	CRI6		CRID6		CRIA5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34110 Units: ug/l

Time:			12:00		12:07		18:22		18:28	
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	487000	97.4	499000	99.8	490000	98.0
Antimony		1000	-0.30		997	99.7	-0.20		1020	102.0
Arsenic		1000	-0.40		1100	110.0	1.7		1130	113.0
Barium		500	-0.40		492	98.4	-0.40		508	101.6
Beryllium		500	0.0		496	99.2	0.0		513	102.6
Bismuth		500	1.7		501	100.2	1.2		516	103.2
Boron			0.10		-4.1		-0.40		-5.0	
Cadmium		1000	2.6		1000	100.0	2.6		1040	104.0
Calcium	400000	400000	377000	94.3	376000	94.0	388000	97.0	386000	96.5
Chromium		500	-0.40		450	90.0	-0.40		466	93.2
Cobalt		500	-0.90		471	94.2	-0.90		482	96.4
Copper		500	1.9		506	101.2	1.5		515	103.0
Iron	200000	200000	188000	94.0	183000	91.5	191000	95.5	188000	94.0
Lead		1000	-4.8		922	92.2	-4.0		947	94.7
Lithium		500	3.2		522	104.4	1.8		532	106.4
Magnesium	500000	500000	532000	106.4	518000	103.6	546000	109.2	534000	106.8
Manganese		500	2.6		479	95.8	2.7		489	97.8
Molybdenum		500	-4.7		478	95.6	-4.3		490	98.0
Nickel		1000	0.60		951	95.1	0.10		980	98.0
Palladium		500	-1.4		517	103.4	-1.0		527	105.4
Potassium			28.7		22.3		57.2		24.0	
Selenium		1000	4.9		1030	103.0	10.4		1070	107.0
Silicon			7.5		-2.8		9.1		-3.0	
Silver		1000	7.9		990	99.0	8.5		1020	102.0
Sodium			17.3		17.5		22.6		19.6	
Sulfur		500	-72		397	79.4*	-69		408	81.6
Strontium			-5.9		-6.1		-6.3		-6.3	
Thallium		1000	-2.3		910	91.0	-0.80		935	93.5
Tin			0.70		1.5		1.0		2.1	
Titanium			0.10		0.30		0.0		0.20	
Tungsten		500	14.1		528	105.6	9.8		510	102.0
Vanadium		500	0.20		450	90.0	-0.20		463	92.6
Zinc		1000	1.9		951	95.1	2.4		989	98.9

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA052814M1.ICP Date Analyzed: 05/28/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34110 Units: ug/l

Time:			12:00		12:07		18:22		18:28	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	8.0		498	99.6	8.3		486	97.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
18:53	MA34130-STD1	1		STDA
18:59	MA34130-STD2	1		STDB
19:05	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:17	MA34130-ICV1	1		
19:23	MA34130-ICB1	1		
19:29	MA34130-CCV1	1		
19:35	MA34130-CCB1	1		
19:41	MA34130-CRI1	1		
19:47	MA34130-CRID1	1		
19:54	MA34130-CRIA1	1		
20:00	MA34130-CRID2	1		
20:06	MA34130-ICSA1	1		
20:12	MA34130-ICSAB1	1		
20:18	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:30	MA34130-CCV2	1		
20:36	MA34130-CCB2	1		
20:43	ZZZZZZ	1		
20:49	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:13	ZZZZZZ	1		
21:19	JB67744-6	1		
21:25	JB67744-11	1		
---------->	Last reportable sample/prep for job JB67744			
21:32	ZZZZZZ	1		
21:38	MA34130-CCV3	1		
21:44	MA34130-CCB3	1		
21:50	ZZZZZZ	1		
21:56	ZZZZZZ	1		
22:02	ZZZZZZ	1		
22:08	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
22:14	ZZZZZZ	1		
22:21	MP79694-MB3	1		
22:27	MP79694-LC2	1		
22:33	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:45	MA34130-CCV4	1		
22:51	MA34130-CCB4	1		
22:57	ZZZZZZ	1		
23:03	MP79723-MB1	1		Cr>DL
23:09	MP79723-B1	1		
23:15	MP79723-S1	1		
23:21	MP79723-S2	1		
23:27	JB67521-3	1		(sample used for QC only; not part of login JB67744)
23:33	MP79723-SD1	5		
23:39	ZZZZZZ	1		
23:45	ZZZZZZ	1		
23:51	MA34130-CCV5	1		
23:57	MA34130-CCB5	1		
00:04	MA34130-CRI2	1		
00:10	MA34130-CRID3	1		
00:16	MA34130-CRIA2	1		
00:22	MA34130-ICSA2	1		
00:28	MA34130-ICSAB2	1		
00:34	MA34130-CCV6	1		
00:40	MA34130-CCB6	1		
---------->	Last reportable CCB for job JB67744			
00:46	ZZZZZZ	1		
00:52	ZZZZZZ	1		
00:58	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:16	ZZZZZZ	1		
01:22	ZZZZZZ	1		
01:28	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
01:34	ZZZZZZ	1		
01:40	ZZZZZZ	1		
01:46	MA34130-CCV7	1		
01:52	MA34130-CCB7	1		
01:59	ZZZZZZ	1		
02:05	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:17	ZZZZZZ	1		
02:23	ZZZZZZ	1		
02:29	MP79701A-MB1	1		
02:35	MP79701A-MB2	1		
02:41	MP79701A-B1	1		
02:47	MP79701A-B2	1		
02:53	MP79701A-S1	1		
02:59	MA34130-CCV8	1		
03:05	MA34130-CCB8	1		
03:11	MP79701A-S2	1		
03:17	JB67637-3	1		(sample used for QC only; not part of login JB67744)
03:23	MP79701A-SD1	5		
03:29	ZZZZZZ	1		
03:35	ZZZZZZ	1		
03:41	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:53	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:05	ZZZZZZ	1		
04:11	MA34130-CCV9	1		
04:17	MA34130-CCB9	1		
04:23	ZZZZZZ	1		
04:29	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:47	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
04:53	ZZZZZZ	1		
04:59	ZZZZZZ	1		
05:05	ZZZZZZ	1		
05:11	ZZZZZZ	1		
05:17	ZZZZZZ	1		
05:23	MA34130-CCV10	1		
05:29	MA34130-CCB10	1		
05:35	MA34130-CRI3	1		
05:42	MA34130-CRID4	1		
05:48	MA34130-CRIA3	1		
05:54	MA34130-CCV11	1		
06:00	MA34130-CCB11	1		
06:06	ZZZZZZ	1		
06:12	ZZZZZZ	1		
06:18	MA34130-CRI4	1		
06:24	MA34130-CCV12	1		
06:30	MA34130-CCB12	1		
06:36	ZZZZZZ	1		
06:43	ZZZZZZ	1		
06:49	ZZZZZZ	1		
06:55	ZZZZZZ	1		
07:01	ZZZZZZ	1		
07:07	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
18:53	MA34130-STD1	959 R	30741 R	5513 R	2137 R
18:59	MA34130-STD2	863	27929	5412	1824
19:05	ZZZZZZ	898	28740	5427	1884
19:11	ZZZZZZ	951	30188	5474	2115
19:17	MA34130-ICV1	902	28165	5408	1896
19:23	MA34130-ICB1	967	30833	5535	2147
19:29	MA34130-CCV1	900	28716	5390	1891
19:35	MA34130-CCB1	947	30937	5544	2114
19:41	MA34130-CRI1	938	29909	5428	2051
19:47	MA34130-CRID1	No results reported for the elements associated with this internal standard.			
19:54	MA34130-CRIA1	957	30714	5496	2122
20:00	MA34130-CRID2	944	29402	5593	2093
20:06	MA34130-ICSA1	820	26235	5057	1697
20:12	MA34130-ICSAB1	820	26115	5064	1703
20:18	ZZZZZZ	935	29968	5561	2140
20:24	ZZZZZZ	919	30757	5804	2119
20:30	MA34130-CCV2	905	28708	5430	1897
20:36	MA34130-CCB2	962	30907	5628	2136
20:43	ZZZZZZ	952	30885	5584	2115
20:49	ZZZZZZ	924	29324	5356	1996
20:55	ZZZZZZ	954	30913	5551	2119
21:01	ZZZZZZ	957	30943	5577	2127
21:07	ZZZZZZ	971	31104	5618	2152
21:13	ZZZZZZ	983	31210	5553	2177
21:19	JB67744-6	969	31328	5542	2152
21:25	JB67744-11	960	31054	5591	2135
21:32	ZZZZZZ	959	30761	5532	2132
21:38	MA34130-CCV3	922	28999	5483	1928
21:44	MA34130-CCB3	988	31286	5587	2182
21:50	ZZZZZZ	971	31138	5616	2154
21:56	ZZZZZZ	975	31307	5641	2161
22:02	ZZZZZZ	973	31353	5598	2157
22:08	ZZZZZZ	977	31324	5612	2166

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
22:14	ZZZZZZ	977	31346	5640	2162
22:21	MP79694-MB3	816	25374	5455	1621
22:27	MP79694-LC2	936	29869	5206	2011
22:33	ZZZZZZ	805	24830	5332	1635
22:39	ZZZZZZ	781	24378	5237	1566
22:45	MA34130-CCV4	902	28659	5379	1887
22:51	MA34130-CCB4	965	30583	5450	2131
22:57	ZZZZZZ	946	29595	5413	1991
23:03	MP79723-MB1	962	30588	5354	2132
23:09	MP79723-B1	923	29750	5308	1961
23:15	MP79723-S1	1001	31628	5997	1934
23:21	MP79723-S2	1001	31397	5913	1936
23:27	JB67521-3	1017	32104	6061	1968
23:33	MP79723-SD1	977	30588	5626	2041
23:39	ZZZZZZ	1013	32026	5860	1990
23:45	ZZZZZZ	995	31529	5844	2034
23:51	MA34130-CCV5	901	28307	5594	1885
23:57	MA34130-CCB5	974	30626	5409	2151
00:04	MA34130-CRI2	949	28769	5376	2060
00:10	MA34130-CRID3	963	30642	5567	2111
00:16	MA34130-CRIA2	971	30926	5569	2141
00:22	MA34130-ICSA2	836	25975	5027	1718
00:28	MA34130-ICSAB2	834	25874	5064	1719
00:34	MA34130-CCV6	918	28908	5444	1913
00:40	MA34130-CCB6	959	30701	5560	2122
00:46	ZZZZZZ	990	31161	5754	2036
00:52	ZZZZZZ	980	30817	5877	1994
00:58	ZZZZZZ	987	30794	5708	1989
01:04	ZZZZZZ	1106	34049	6661	1926
01:10	ZZZZZZ	972	30492	5841	1938
01:16	ZZZZZZ	1001	31177	5907	1943
01:22	ZZZZZZ	1010	31146	5878	1964
01:28	ZZZZZZ	1079	33486	6314	1941

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
01:34	ZZZZZZ	976	30412	5727	1962
01:40	ZZZZZZ	956	30271	5735	1862
01:46	MA34130-CCV7	904	28288	5358	1880
01:52	MA34130-CCB7	971	30719	5428	2138
01:59	ZZZZZZ	976	30338	5650	2015
02:05	ZZZZZZ	1039	31528	6034	1972
02:11	ZZZZZZ	977	30044	5642	1957
02:17	ZZZZZZ	975	29692	5591	1942
02:23	ZZZZZZ	1010	31092	5784	1995
02:29	MP79701A-MB1	966	29783	5432	2119
02:35	MP79701A-MB2	954	29965	5439	2097
02:41	MP79701A-B1	918	28498	5270	1938
02:47	MP79701A-B2	914	28775	5293	1928
02:53	MP79701A-S1	958	29302	5471	1958
02:59	MA34130-CCV8	908	26687	5561	1884
03:05	MA34130-CCB8	969	30182	5486	2132
03:11	MP79701A-S2	956	29618	5499	1954
03:17	JB67637-3	975	30166	5538	2025
03:23	MP79701A-SD1	989	30412	5496	2124
03:29	ZZZZZZ	985	29121	5695	2037
03:35	ZZZZZZ	977	30215	5562	2023
03:41	ZZZZZZ	978	30006	5523	2017
03:47	ZZZZZZ	964	29669	5558	1983
03:53	ZZZZZZ	992	30528	5579	2018
03:59	ZZZZZZ	1005	30834	5664	1988
04:05	ZZZZZZ	976	30362	5667	1981
04:11	MA34130-CCV9	907	28017	5317	1882
04:17	MA34130-CCB9	969	30098	5488	2134
04:23	ZZZZZZ	1016	31284	5807	1997
04:29	ZZZZZZ	992	31030	5642	2030
04:35	ZZZZZZ	984	30826	5599	2050
04:41	ZZZZZZ	977	30423	5555	2045
04:47	ZZZZZZ	975	29329	5555	2024

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34130
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
04:53	ZZZZZZ	996	30043	5548	2007
04:59	ZZZZZZ	1006	30852	5736	2010
05:05	ZZZZZZ	984	31071	5442	2033
05:11	ZZZZZZ	992	30905	5678	2034
05:17	ZZZZZZ	987	30616	5613	2049
05:23	MA34130-CCV10	899	28000	5367	1868
05:29	MA34130-CCB10	976	30365	5500	2137
05:35	MA34130-CRI3	950	29529	5489	2047
05:42	MA34130-CRID4	972	30649	5536	2124
05:48	MA34130-CRIA3	976	30070	5456	2133
05:54	MA34130-CCV11	911	28096	5370	1888
06:00	MA34130-CCB11	976	30153	5500	2142
06:06	ZZZZZZ	986	30385	5541	2052
06:12	ZZZZZZ	965	30070	5482	2021
06:18	MA34130-CRI4	942	30462	5322	2026
06:24	MA34130-CCV12	916	28230	5423	1896
06:30	MA34130-CCB12	978	30403	5535	2142
06:36	ZZZZZZ	975	30279	999999 !	2133
06:43	ZZZZZZ	976	29981	5506	2124
06:49	ZZZZZZ	974	30321	5494	2143
06:55	ZZZZZZ	981	30651	5592	2140
07:01	ZZZZZZ	979	30440	5600	2136
07:07	ZZZZZZ	978	30341	5590	2147

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34130 Units: ug/l

Time: / Sample ID:			19:23 ICB1		19:35 CCB1		20:36 CCB2		21:44 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	21	4.1	<200	3.8	<200	4.0	<200	15.0	<200
Antimony	6.0	1.1	-1.0	<6.0	0.0	<6.0	0.0	<6.0	0.80	<6.0
Arsenic	3.0	1.3	0.90	<3.0	-0.20	<3.0	0.0	<3.0	0.40	<3.0
Barium	200	.6	0.40	<200	0.60	<200	0.30	<200	0.80	<200
Beryllium	1.0	.2	0.30	<1.0	0.40	<1.0	0.20	<1.0	0.60	<1.0
Bismuth	20	2								
Boron	100	1								
Cadmium	3.0	.3	0.10	<3.0	0.20	<3.0	0.20	<3.0	0.30	<3.0
Calcium	5000	11	7.8	<5000	8.9	<5000	5.5	<5000	17.2	<5000
Chromium	10	.5	0.80	<10	0.80	<10	0.80	<10	1.4	<10
Cobalt	50	.3	0.30	<50	0.50	<50	0.40	<50	0.40	<50
Copper	10	.5	0.20	<10	0.20	<10	0.10	<10	0.20	<10
Iron	100	12	7.4	<100	9.6	<100	6.0	<100	14.2	<100
Lead	3.0	1.4	-0.20	<3.0	0.30	<3.0	-0.10	<3.0	-0.10	<3.0
Lithium	20	2.1								
Magnesium	5000	110	-0.70	<5000	16.1	<5000	-2.1	<5000	15.1	<5000
Manganese	15	.1	0.40	<15	0.50	<15	0.40	<15	0.60	<15
Molybdenum	20	.3								
Nickel	10	.5	0.30	<10	0.30	<10	0.30	<10	0.40	<10
Palladium	50	2.2								
Potassium	10000	44	50.6	<10000	33.5	<10000	27.6	<10000	35.3	<10000
Selenium	10	1.7	-0.60	<10	-2.3	<10	-0.10	<10	-0.60	<10
Silicon	200	4.9								
Silver	10	.5	-0.40	<10	0.0	<10	-0.20	<10	-0.10	<10
Sodium	10000	12	4.3	<10000	8.1	<10000	2.7	<10000	6.7	<10000
Sulfur	50	4.9								
Strontium	10	.3								
Thallium	2.0	1.8	0.70	<2.0	0.50	<2.0	0.20	<2.0	1.4	<2.0
Tin	10	1	anr							
Titanium	10	.6								
Tungsten	50	2.9								
Vanadium	50	.6	0.40	<50	0.80	<50	0.60	<50	0.70	<50
Zinc	20	2.7	0.40	<20	0.50	<20	0.20	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34130 Units: ug/l

Time:			19:23		19:35		20:36		21:44	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.2								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34130 Units: ug/l

Time:			22:51		23:57		00:40	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	21	15.7	<200	20.7	<200	67.2	<200
Antimony	6.0	1.1	0.90	<6.0	1.5	<6.0	1.1	<6.0
Arsenic	3.0	1.3	0.0	<3.0	1.5	<3.0	0.80	<3.0
Barium	200	.6	0.90	<200	1.2	<200	1.5	<200
Beryllium	1.0	.2	0.70	<1.0	0.90	<1.0	1.2	* (a)
Bismuth	20	2						
Boron	100	1						
Cadmium	3.0	.3	0.40	<3.0	0.70	<3.0	0.70	<3.0
Calcium	5000	11	23.9	<5000	27.1	<5000	68.9	<5000
Chromium	10	.5	1.4	<10	1.6	<10	1.5	<10
Cobalt	50	.3	0.60	<50	1.0	<50	1.1	<50
Copper	10	.5	0.80	<10	0.60	<10	0.80	<10
Iron	100	12	17.2	<100	27.5	<100	44.4	<100
Lead	3.0	1.4	1.5	<3.0	1.4	<3.0	1.6	<3.0
Lithium	20	2.1						
Magnesium	5000	110	6.2	<5000	25.4	<5000	72.0	<5000
Manganese	15	.1	1.1	<15	1.1	<15	1.2	<15
Molybdenum	20	.3						
Nickel	10	.5	0.60	<10	1.2	<10	1.1	<10
Palladium	50	2.2						
Potassium	10000	44	47.1	<10000	66.2	<10000	56.3	<10000
Selenium	10	1.7	-0.30	<10	-1.0	<10	-0.30	<10
Silicon	200	4.9						
Silver	10	.5	0.10	<10	0.20	<10	-0.10	<10
Sodium	10000	12	131	<10000	38.3	<10000	36.1	<10000
Sulfur	50	4.9						
Strontium	10	.3						
Thallium	2.0	1.8	0.60	<2.0	0.60	<2.0	2.7	* (a)
Tin	10	1	anr					
Titanium	10	.6						
Tungsten	50	2.9						
Vanadium	50	.6	1.3	<50	1.3	<50	1.2	<50
Zinc	20	2.7	0.60	<20	0.80	<20	0.90	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34130 Units: ug/l

Time:			22:51		23:57		00:40	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zirconium	10	.2						

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34130 Units: ug/l

Time:		19:17			19:29			20:30	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40300	100.8	40000	40200	100.5
Antimony	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Arsenic	2000	1940	97.0	2000	1950	97.5	2000	1950	97.5
Barium	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Beryllium	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Bismuth									
Boron									
Cadmium	2000	1950	97.5	2000	1960	98.0	2000	1970	98.5
Calcium	40000	40900	102.3	40000	41000	102.5	40000	40900	102.3
Chromium	2000	2070	103.5	2000	2030	101.5	2000	2030	101.5
Cobalt	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Copper	2000	1980	99.0	2000	1940	97.0	2000	1940	97.0
Iron	40000	41100	102.8	40000	41200	103.0	40000	41000	102.5
Lead	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Lithium									
Magnesium	40000	40400	101.0	40000	40500	101.3	40000	40500	101.3
Manganese	2000	2090	104.5	2000	2050	102.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Palladium									
Potassium	40000	40200	100.5	40000	40300	100.8	40000	40000	100.0
Selenium	2000	1950	97.5	2000	1950	97.5	2000	1950	97.5
Silicon									
Silver	250	249	99.6	250	246	98.4	250	246	98.4
Sodium	40000	40800	102.0	40000	41100	102.8	40000	40700	101.8
Sulfur									
Strontium									
Thallium	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2090	104.5	2000	2050	102.5	2000	2040	102.0
Zinc	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34130 Units: ug/l

Time:		19:17			19:29			20:30	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34130 Units: ug/l

Time:		21:38			22:45			23:51	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40400	101.0	40000	39100	97.8
Antimony	2000	1930	96.5	2000	1980	99.0	2000	1980	99.0
Arsenic	2000	1930	96.5	2000	1980	99.0	2000	1990	99.5
Barium	2000	1960	98.0	2000	1990	99.5	2000	1930	96.5
Beryllium	2000	2000	100.0	2000	2030	101.5	2000	1960	98.0
Bismuth									
Boron									
Cadmium	2000	1940	97.0	2000	1990	99.5	2000	1990	99.5
Calcium	40000	40700	101.8	40000	41500	103.8	40000	40000	100.0
Chromium	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Cobalt	2000	1980	99.0	2000	2030	101.5	2000	2030	101.5
Copper	2000	1930	96.5	2000	1950	97.5	2000	1990	99.5
Iron	40000	40400	101.0	40000	41100	102.8	40000	39700	99.3
Lead	2000	2040	102.0	2000	2090	104.5	2000	2100	105.0
Lithium									
Magnesium	40000	40200	100.5	40000	41100	102.8	40000	39400	98.5
Manganese	2000	2040	102.0	2000	2080	104.0	2000	2110	105.5
Molybdenum									
Nickel	2000	1970	98.5	2000	2020	101.0	2000	2010	100.5
Palladium									
Potassium	40000	39600	99.0	40000	40000	100.0	40000	38900	97.3
Selenium	2000	1920	96.0	2000	1980	99.0	2000	1980	99.0
Silicon									
Silver	250	244	97.6	250	247	98.8	250	250	100.0
Sodium	40000	40000	100.0	40000	37500	93.8	40000	38900	97.3
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2110	105.5	2000	2110	105.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	2050	102.5	2000	2080	104.0
Zinc	2000	2000	100.0	2000	2060	103.0	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34130 Units: ug/l

Time:		21:38			22:45			23:51	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34130 Units: ug/l

Time:		00:34	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	40000	40100	100.3
Antimony	2000	1950	97.5
Arsenic	2000	1960	98.0
Barium	2000	1970	98.5
Beryllium	2000	2020	101.0
Bismuth			
Boron			
Cadmium	2000	1960	98.0
Calcium	40000	41300	103.3
Chromium	2000	2050	102.5
Cobalt	2000	2000	100.0
Copper	2000	1940	97.0
Iron	40000	40600	101.5
Lead	2000	2080	104.0
Lithium			
Magnesium	40000	40800	102.0
Manganese	2000	2080	104.0
Molybdenum			
Nickel	2000	1980	99.0
Palladium			
Potassium	40000	39800	99.5
Selenium	2000	1950	97.5
Silicon			
Silver	250	246	98.4
Sodium	40000	39500	98.8
Sulfur			
Strontium			
Thallium	2000	2090	104.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2040	102.0
Zinc	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34130 Units: ug/l

Time:		00:34	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34130 Units: ug/l

Time:				19:41		19:54		20:00	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	221	110.5	524	104.8	102	102.0
Antimony	6.0	20	3.0	6.4	106.7	19.7	98.5	3.1	103.3
Arsenic	8.0	20	3.0	9.2	115.0	19.4	97.0	2.2	73.3
Barium	200		4.0	216	108.0			4.2	105.0
Beryllium	2.0		1.0	2.3	115.0			1.1	110.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3			0.80	80.0
Calcium	5000		1000	5510	110.2			1080	108.0
Chromium	10		2.0	11.5	115.0				
Cobalt	50		3.0	54.3	108.6			3.3	110.0
Copper	10		2.0	10.7	107.0			2.4	120.0
Iron	100	500		114	114.0	559	111.8		
Lead	3.0	20	2.5	3.0	100.0	21.9	109.5	2.8	112.0
Lithium	20								
Magnesium	5000		100	5600	112.0			111	111.0
Manganese	15		3.0	17.3	115.3			3.6	120.0
Molybdenum	20								
Nickel	10		4.0	11.5	115.0			4.5	112.5
Palladium	50								
Potassium	5000		2000	5380	107.6			2110	105.5
Selenium	10	20	5.0	11.3	113.0	19.7	98.5		
Silicon	200								
Silver	5.0		1.0	5.0	100.0			1.0	100.0
Sodium	5000		1000	5450	109.0			1080	108.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	12.0	120.0			1.9	95.0
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	55.3	110.6			2.4	120.0
Zinc	20		10	24.5	122.5			12.4	124.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34130 Units: ug/l

Time:				19:41		19:54		20:00	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34130 Units: ug/l

Time:				00:04		00:10		00:16	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	231	115.5	106	106.0	529	105.8
Antimony	6.0	20	3.0	6.1	101.7	2.9	96.7	20.3	101.5
Arsenic	8.0	20	3.0	9.8	122.5	3.7	123.3	19.9	99.5
Barium	200		4.0	218	109.0	4.5	112.5		
Beryllium	2.0		1.0	2.5	125.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	0.90	90.0		
Calcium	5000		1000	5670	113.4	1110	111.0		
Chromium	10		2.0	12.6	126.0				
Cobalt	50		3.0	55.1	110.2	3.4	113.3		
Copper	10		2.0	11.5	115.0	1.9	95.0		
Iron	100	500		123	123.0			553	110.6
Lead	3.0	20	2.5	3.6	120.0	2.8	112.0	23.1	115.5
Lithium	20								
Magnesium	5000		100	5750	115.0				
Manganese	15		3.0	18.5	123.3	3.5	116.7		
Molybdenum	20								
Nickel	10		4.0	11.2	112.0	4.7	117.5		
Palladium	50								
Potassium	5000		2000	5430	108.6	2130	106.5		
Selenium	10	20	5.0	12.5	125.0	4.2	84.0	19.7	98.5
Silicon	200								
Silver	5.0		1.0	5.8	116.0	0.70	70.0		
Sodium	5000		1000	5400	108.0	1050	105.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	12.7	127.0	2.1	105.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	58.4	116.8	2.3	115.0		
Zinc	20		10	25.0	125.0	12.5	125.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34130 Units: ug/l

Time:				00:04		00:10		00:16	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34130 Units: ug/l

Time:			20:06		20:12		00:22		00:28	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	533000	106.6	529000	105.8	537000	107.4	519000	103.8
Antimony		1000	10.8		1050	105.0	8.9		1040	104.0
Arsenic		1000	-1.0		1120	112.0	-1.2		1140	114.0
Barium		500	-1.3		534	106.8	-1.4		535	107.0
Beryllium		500	0.0		520	104.0	0.0		523	104.6
Bismuth		500	-13		504	100.8	-13		498	99.6
Boron			-0.40		1.5		-0.90		0.10	
Cadmium		1000	0.60		1020	102.0	0.40		1020	102.0
Calcium	400000	400000	407000	101.8	406000	101.5	412000	103.0	411000	102.8
Chromium		500	1.0		486	97.2	1.9		500	100.0
Cobalt		500	0.30		477	95.4	0.50		479	95.8
Copper		500	-5.8		530	106.0	-5.6		535	107.0
Iron	200000	200000	205000	102.5	201000	100.5	204000	102.0	200000	100.0
Lead		1000	1.2		950	95.0	0.70		966	96.6
Lithium		500	5.1		566	113.2	4.1		571	114.2
Magnesium	500000	500000	550000	110.0	539000	107.8	554000	110.8	544000	108.8
Manganese		500	8.8		508	101.6	8.1		522	104.4
Molybdenum		500	-1.1		494	98.8	-1.3		491	98.2
Nickel		1000	2.0		963	96.3	1.8		938	93.8
Palladium		500	-3.9		545	109.0	-1.9		554	110.8
Potassium			235		191		333		214	
Selenium		1000	5.9		1040	104.0	6.1		1040	104.0
Silicon			-4.3		-0.30		-2.0		0.20	
Silver		1000	4.9		1040	104.0	0.50		1050	105.0
Sodium			33.1		42.3		31.4		37.0	
Sulfur		500	-40		446	89.2	-40		445	89.0
Strontium			-6.0		-6.1		-6.4		-6.3	
Thallium		1000	2.8		939	93.9	3.1		942	94.2
Tin			-2.2		-2.3		-2.4		-2.7	
Titanium			0.60		0.90		0.20		1.3	
Tungsten		500	7.2		522	104.4	5.8		512	102.4
Vanadium		500	-1.6		471	94.2	-1.4		478	95.6
Zinc		1000	2.9		963	96.3	2.6		967	96.7

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SD052914M2.ICP Date Analyzed: 05/29/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34130 Units: ug/l

Time:			20:06		20:12		00:22		00:28	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	5.2		532	106.4	4.7		541	108.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
10:21	MA34133-STD1	1		STDA
10:28	MA34133-STD2	1		STDB
10:34	ZZZZZZ	1		
10:40	ZZZZZZ	1		
10:47	MA34133-ICV1	1		
11:03	MA34133-ICB1	1		
11:08	MA34133-ICCV1	1		
11:24	MA34133-CCB1	1		
11:32	MA34133-CRI1	1		
11:38	MA34133-CRID1	1		
11:45	MA34133-CRIA1	1		
11:51	MA34133-ICSA1	1		
11:57	MA34133-ICSAB1	1		
12:04	MA34133-ICSA2	1		
12:10	MA34133-ICSAB2	1		
12:16	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:29	MA34133-CCV1	1		
12:35	MA34133-CCB2	1		
12:43	MA34133-CRID2	1		
12:49	MP79610A-MB1	1		
12:55	MP79610A-B1	1		
13:01	MP79610A-S1	1		
13:07	MP79610A-S2	1		Fe high
13:14	JB66645-3R	1		(sample used for QC only; not part of login JB67744)
13:20	MP79610A-SD1	5		
13:26	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:38	MA34133-CCV2	1		
13:44	MA34133-CCB3	1		
13:51	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:03	MP79724-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
14:09	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:58	MA34133-CCV3	1		
15:04	MA34133-CCB4	1		
15:12	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:24	MP79751-MB1	1		
15:30	MP79751-B1	1		
15:36	MP79751-LC1	1		
15:42	ZZZZZZ	1		
15:49	ZZZZZZ	1		
15:55	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:07	MA34133-CCV4	1		
16:13	MA34133-CCB5	1		
16:20	ZZZZZZ	2		
16:26	ZZZZZZ	2		
16:32	ZZZZZZ	1		
16:38	ZZZZZZ	2		
16:45	ZZZZZZ	5		
16:51	ZZZZZZ	10		
16:57	ZZZZZZ	3		
17:03	ZZZZZZ	10		
17:09	ZZZZZZ	10		
17:16	MA34133-CCV5	1		
17:22	MA34133-CCB6	1		
17:28	ZZZZZZ	2		
17:34	ZZZZZZ	2		
17:41	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
17:47	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:18	MP79752-MB1	1		
18:24	MA34133-CCV6	1		
18:30	MA34133-CCB7	1		
18:37	MP79752-B1	1		
18:43	MP79752-LC1	1		
18:49	ZZZZZZ	1		
18:55	JB67702-1A	1		(sample used for QC only; not part of login JB67744)
19:01	MP79751-S1	1		
19:07	MP79751-S2	1		
19:13	JB66447-2R	1		(sample used for QC only; not part of login JB67744)
19:20	MP79751-SD1	5		
19:26	MP79771-MB1	1		
19:32	MA34133-CCV7	1		
19:38	MA34133-CCB8	1		
19:44	MA34133-CRI2	1		
19:51	MA34133-CRID3	1		
19:57	MA34133-CRIA2	1		
20:03	MA34133-ICSA3	1		
20:10	MA34133-ICSAB3	1		
20:16	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:43	MA34133-CCV8	1		
20:49	MA34133-CCB9	1		
20:55	MP79771-B1	1		
21:01	MP79771-S1	1		Mn high
21:07	MP79771-S2	1		Mn high

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
21:13	JB67728-9A	1		(sample used for QC only; not part of login JB67744)
21:19	MP79771-SD1	5		
21:26	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:50	MA34133-CCV9	1		
21:56	MA34133-CCB10	1		
22:03	ZZZZZZ	1		
22:09	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:27	ZZZZZZ	1		
22:33	ZZZZZZ	1		
22:40	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:58	MA34133-CCV10	1		
23:04	MA34133-CCB11	1		
23:10	ZZZZZZ	1		
23:17	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:29	ZZZZZZ	1		
23:35	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:54	ZZZZZZ	1		
00:00	ZZZZZZ	1		
00:06	ZZZZZZ	1		
00:12	MA34133-CCV11	1		
00:18	MA34133-CCB12	1		
00:25	ZZZZZZ	1		
00:31	MP79752-S1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
00:37	MP79752-S2	1		
00:43	MP79752-SD1	5		
00:49	JB67744-1	1		
00:55	JB67744-2	1		
01:02	JB67744-3	1		
01:08	JB67744-4	1		Tl hit
01:14	JB67744-5	1		
01:20	JB67744-8	1		
01:26	MA34133-CCV12	1		
01:32	MA34133-CCB13	1		
01:38	JB67744-9	1		
01:45	JB67744-10	1		
01:51	JB67744-12	1		
01:57	JB67744-13	1		
02:03	JB67744-14	1		
02:09	JB67744-15	1		
---------->	Last reportable sample/prep for job JB67744			
02:15	ZZZZZZ	1		
02:22	ZZZZZZ	1		
02:28	ZZZZZZ	1		
02:34	ZZZZZZ	1		
02:40	MA34133-CCV13	1		
02:46	MA34133-CCB14	1		
02:53	ZZZZZZ	1		
02:59	ZZZZZZ	1		
03:05	ZZZZZZ	2		
03:11	ZZZZZZ	2		
03:18	ZZZZZZ	1		
03:24	ZZZZZZ	1		
03:30	ZZZZZZ	1		
03:36	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:48	ZZZZZZ	1		
03:55	MA34133-CCV14	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
04:01	MA34133-CCB15	1		
04:07	MA34133-CRI3	1		
04:13	MA34133-CRID4	1		
04:19	MA34133-CRIA3	1		
04:26	ZZZZZZ	1		
04:32	ZZZZZZ	1		
04:38	ZZZZZZ	1		
04:45	ZZZZZZ	1		
04:51	MA34133-CCV15	1		
04:57	MA34133-CCB16	1		
---------->	Last reportable CCB for job JB67744			
05:04	ZZZZZZ	1		
05:10	ZZZZZZ	1		
05:16	ZZZZZZ	1		
05:22	ZZZZZZ	1		
05:28	ZZZZZZ	1		
05:34	ZZZZZZ	1		
05:41	ZZZZZZ	1		
05:47	ZZZZZZ	1		
05:53	ZZZZZZ	1		
05:59	ZZZZZZ	1		
06:05	MA34133-CCV16	1		
06:11	MA34133-CCB17	1		
06:18	MA34133-CRI4	1		
06:24	MA34133-CRID5	1		
06:30	MA34133-CRIA4	1		
06:37	MA34133-CCV17	1		
06:43	MA34133-CCB18	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
10:21	MA34133-STD1	1655 R	92964 R	13741 R	5697 R
10:28	MA34133-STD2	1514	86593	13516	4931
10:34	ZZZZZZ	1605	86229	13333	5195
10:40	ZZZZZZ	1663	93002	13484	5700
10:47	MA34133-ICV1	1615	89508	13471	5268
11:03	MA34133-ICB1	1691	95555	13670	5787
11:08	MA34133-ICCV1	1585	89029	13470	5180
11:24	MA34133-CCB1	1700	94828	13668	5815
11:32	MA34133-CRI1	1676	92229	13411	5652
11:38	MA34133-CRID1	1691	94338	13554	5762
11:45	MA34133-CRIA1	1699	94966	13666	5777
11:51	MA34133-ICSA1	No results reported for the elements associated with this internal standard.			
11:57	MA34133-ICSAB1	No results reported for the elements associated with this internal standard.			
12:04	MA34133-ICSA2	1493	81947	12884	4710
12:10	MA34133-ICSAB2	1511	82277	12990	4760
12:16	ZZZZZZ	1669	92710	13547	5803
12:23	ZZZZZZ	1664	94286	13640	5765
12:29	MA34133-CCV1	1626	90824	13526	5305
12:35	MA34133-CCB2	1699	94088	13542	5769
12:43	MA34133-CRID2	1699	94150	13553	5769
12:49	MP79610A-MB1	1684	93069	13625	5744
12:55	MP79610A-B1	1649	91795	13660	5505
13:01	MP79610A-S1	1666	92070	13828	5489
13:07	MP79610A-S2	1629	90383	13660	5792
13:14	JB66645-3R	1683	93782	14028	5565
13:20	MP79610A-SD1	1715	95553	13897	5746
13:26	ZZZZZZ	1671	92044	13824	5574
13:32	ZZZZZZ	1671	92033	14039	5467
13:38	MA34133-CCV2	1625	90409	13629	5282
13:44	MA34133-CCB3	1676	91346	13275	5672
13:51	ZZZZZZ	1693	93209	14099	5514
13:57	ZZZZZZ	1600	89944	13605	5706
14:03	MP79724-MB1	1673	94321	13579	5752

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
14:09	ZZZZZZ	1721	95819	14201	5608
14:25	ZZZZZZ	1673	93973	13565	5747
14:31	ZZZZZZ	1405	77645	12698	4291
14:40	ZZZZZZ	1570	89798	13643	5841
14:46	ZZZZZZ	1711	93945	14235	5538
14:52	ZZZZZZ	1654	89941	13697	5482
14:58	MA34133-CCV3	1636	89880	13426	5295
15:04	MA34133-CCB4	1699	95051	13488	5786
15:12	ZZZZZZ	1628	90266	13595	5351
15:18	ZZZZZZ	1702	94843	13748	5720
15:24	MP79751-MB1	1668	93335	13462	5716
15:30	MP79751-B1	1659	91907	13539	5520
15:36	MP79751-LC1	1692	92933	13769	5460
15:42	ZZZZZZ	1705	93709	13683	5645
15:49	ZZZZZZ	1646	93107	13766	5335
15:55	ZZZZZZ	1684	93405	13745	5353
16:01	ZZZZZZ	1648	91174	13660	5288
16:07	MA34133-CCV4	1648	90445	13285	5350
16:13	MA34133-CCB5	1703	93589	13369	5802
16:20	ZZZZZZ	1651	93165	13581	5707
16:26	ZZZZZZ	1645	92965	13652	5783
16:32	ZZZZZZ	1283	80022	12469	5328
16:38	ZZZZZZ	1452	85317	12817	5357
16:45	ZZZZZZ	1576	88973	13079	5442
16:51	ZZZZZZ	1490	90153	13213	5157
16:57	ZZZZZZ	1349	85204	13098	4854
17:03	ZZZZZZ	1565	88808	13155	5231
17:09	ZZZZZZ	1469	87109	13041	5092
17:16	MA34133-CCV5	1644	90190	13183	5323
17:22	MA34133-CCB6	1689	94441	13230	5751
17:28	ZZZZZZ	1659	92301	13581	5591
17:34	ZZZZZZ	1667	93143	13545	5730
17:41	ZZZZZZ	541 !a	73179	11775	4378

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
17:47	ZZZZZZ	1656	91487	13521	5504
17:53	ZZZZZZ	1642	91134	13339	5530
17:59	ZZZZZZ	1678	95074	13539	5755
18:06	ZZZZZZ	1614	89521	13245	5615
18:12	ZZZZZZ	1718	93861	13776	5526
18:18	MP79752-MB1	1700	95596	13455	5805
18:24	MA34133-CCV6	1642	90547	13180	5318
18:30	MA34133-CCB7	1685	94007	13227	5731
18:37	MP79752-B1	1650	91590	13196	5474
18:43	MP79752-LC1	1671	92063	13335	5396
18:49	ZZZZZZ	1626	89501	13028	5799
18:55	JB67702-1A	1709	93522	13564	5476
19:01	MP79751-S1	1548	86584	12882	4871
19:07	MP79751-S2	1587	86480	12968	4971
19:13	JB66447-2R	1576	86160	12858	4871
19:20	MP79751-SD1	1661	91825	13080	5403
19:26	MP79771-MB1	1695	94662	13221	5773
19:32	MA34133-CCV7	1631	89425	12927	5269
19:38	MA34133-CCB8	1675	92475	12803	5683
19:44	MA34133-CRI2	1683	93542	12944	5683
19:51	MA34133-CRID3	1679	93745	12920	5708
19:57	MA34133-CRIA2	1696	94820	13063	5742
20:03	MA34133-ICSA3	1497	82726	12409	4718
20:10	MA34133-ICSAB3	1507	81726	12323	4727
20:16	ZZZZZZ	1692	94280	12959	5733
20:22	ZZZZZZ	1708	94666	13087	5769
20:29	ZZZZZZ	1698	93714	13026	5744
20:36	ZZZZZZ	1713	94958	13106	5783
20:43	MA34133-CCV8	1640	89670	12832	5293
20:49	MA34133-CCB9	1698	94153	12961	5746
20:55	MP79771-B1	1683	92655	13230	5571
21:01	MP79771-S1	1704	93668	13637	5377
21:07	MP79771-S2	1710	94142	13673	5433

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
21:13	JB67728-9A	1734	95523	13744	5519
21:19	MP79771-SD1	1716	94348	13308	5688
21:26	ZZZZZZ	1739	97367	13963	5482
21:32	ZZZZZZ	1773	98133	14209	5563
21:38	ZZZZZZ	1748	96773	14095	5511
21:44	ZZZZZZ	1726	95437	13745	5468
21:50	MA34133-CCV9	1644	91042	13054	5326
21:56	MA34133-CCB10	1712	95221	13289	5799
22:03	ZZZZZZ	1741	96333	14022	5469
22:09	ZZZZZZ	1665	92187	13387	5407
22:15	ZZZZZZ	1672	92422	13710	5267
22:21	ZZZZZZ	1717	94748	13757	5568
22:27	ZZZZZZ	1694	93892	13699	5617
22:33	ZZZZZZ	1732	99932	14213	5519
22:40	ZZZZZZ	1695	98122	13734	5586
22:46	ZZZZZZ	1714	97353	13960	5610
22:52	ZZZZZZ	1716	96582	14025	5603
22:58	MA34133-CCV10	1607	91665	13372	5258
23:04	MA34133-CCB11	1654	95048	13376	5685
23:10	ZZZZZZ	1774	102170	15492	5307
23:17	ZZZZZZ	1679	95634	14184	5411
23:23	ZZZZZZ	1724	97893	14855	5340
23:29	ZZZZZZ	1486	85274	13764	4471
23:35	ZZZZZZ	1623	91397	13822	5283
23:41	ZZZZZZ	1659	94030	14232	5359
23:48	ZZZZZZ	1642	93672	14027	5432
23:54	ZZZZZZ	1629	92399	13741	5449
00:00	ZZZZZZ	1659	94453	14297	5334
00:06	ZZZZZZ	1620	92300	14039	5351
00:12	MA34133-CCV11	1569	88359	13311	5166
00:18	MA34133-CCB12	1622	94570	13604	5607
00:25	ZZZZZZ	1645	92417	13849	5389
00:31	MP79752-S1	1582	89292	13494	5170

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ACCUTEST LABORATORIES
JB67744

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
00:37	MP79752-S2	1622	90920	13864	5259
00:43	MP79752-SD1	1637	92829	13593	5516
00:49	JB67744-1	1708	95605	14489	5298
00:55	JB67744-2	1670	94513	14306	5341
01:02	JB67744-3	1709	95490	14528	5277
01:08	JB67744-4	1577	88379	13834	4867
01:14	JB67744-5	1616	89980	13689	5309
01:20	JB67744-8	1663	93623	14090	5291
01:26	MA34133-CCV12	1557	88406	13046	5148
01:32	MA34133-CCB13	1626	94083	13423	5605
01:38	JB67744-9	1673	96583	14547	5230
01:45	JB67744-10	1670	95054	14197	5331
01:51	JB67744-12	1589	90030	13600	5095
01:57	JB67744-13	1669	94303	14069	5203
02:03	JB67744-14	1694	95568	14356	5292
02:09	JB67744-15	1647	94097	13940	5284
02:15	ZZZZZZ	1518	90243	13414	4841
02:22	ZZZZZZ	1534	87271	13201	4864
02:28	ZZZZZZ	1551	88090	13347	4851
02:34	ZZZZZZ	1592	90086	13450	5171
02:40	MA34133-CCV13	1562	88751	12990	5150
02:46	MA34133-CCB14	1648	94736	13400	5664
02:53	ZZZZZZ	1628	91632	13507	5460
02:59	ZZZZZZ	1650	94257	13411	5710
03:05	ZZZZZZ	1492	85211	12971	4823
03:11	ZZZZZZ	1576	91160	13355	5382
03:18	ZZZZZZ	1651	92425	13556	5385
03:24	ZZZZZZ	1657	92153	13690	5389
03:30	ZZZZZZ	1655	92658	13448	5656
03:36	ZZZZZZ	1700	95666	14059	5374
03:42	ZZZZZZ	1664	93054	13685	5356
03:48	ZZZZZZ	1761	98008	14435	5401
03:55	MA34133-CCV14	1618	90511	13084	5292

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34133
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
04:01	MA34133-CCB15	1674	94283	13143	5733
04:07	MA34133-CRI3	1674	93507	13023	5671
04:13	MA34133-CRID4	1684	93780	12931	5738
04:19	MA34133-CRIA3	1689	93030	12850	5770
04:26	ZZZZZZ	1660	94869	12937	5703
04:32	ZZZZZZ	1695	95718	13310	5791
04:38	ZZZZZZ	1664	93899	12925	5717
04:45	ZZZZZZ	1705	95343	13065	5845
04:51	MA34133-CCV15	1638	90378	13079	5327
04:57	MA34133-CCB16	1676	94938	12975	5749
05:04	ZZZZZZ	1674	93494	13479	5472
05:10	ZZZZZZ	1700	96399	13781	5556
05:16	ZZZZZZ	1737	95806	14008	5497
05:22	ZZZZZZ	1574	87301	13074	4824
05:28	ZZZZZZ	1834	100870	14684	5468
05:34	ZZZZZZ	1768	98827	14169	5507
05:41	ZZZZZZ	1682	94591	13498	5459
05:47	ZZZZZZ	1682	94375	13276	5693
05:53	ZZZZZZ	1698	95947	13566	5631
05:59	ZZZZZZ	1701	93783	13489	5628
06:05	MA34133-CCV16	1636	90210	13025	5335
06:11	MA34133-CCB17	1682	94429	13005	5751
06:18	MA34133-CRI4	1663	95401	13015	5629
06:24	MA34133-CRID5	1692	94620	13195	5760
06:30	MA34133-CRIA4	1704	95954	13006	5832
06:37	MA34133-CCV17	1631	92095	13054	5355
06:43	MA34133-CCB18	1670	95543	13008	5742

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time: / Sample ID:			11:03 ICB1		11:24 CCB1		12:35 CCB2		13:44 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	7.9	<200	6.7	<200	6.9	<200	12.9	<200
Antimony	6.0	.8	1.1	<6.0	0.90	<6.0	1.3	<6.0	0.50	<6.0
Arsenic	3.0	.8	1.5	<3.0	0.50	<3.0	0.40	<3.0	0.60	<3.0
Barium	200	.3	0.20	<200	0.40	<200	0.30	<200	0.50	<200
Beryllium	1.0	.09	0.0	<1.0	0.10	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	0.20	<3.0	0.30	<3.0	0.20	<3.0	0.30	<3.0
Calcium	5000	8.7	-7.6	<5000	-5.1	<5000	-10	<5000	-9.9	<5000
Chromium	10	.3	-0.50	<10	0.0	<10	-0.20	<10	0.0	<10
Cobalt	50	.3	-0.10	<50	0.20	<50	0.10	<50	0.0	<50
Copper	10	2.2	-0.50	<10	-0.40	<10	-0.70	<10	-0.80	<10
Iron	100	5.5	0.20	<100	4.7	<100	1.9	<100	3.7	<100
Lead	3.0	.9	0.20	<3.0	0.30	<3.0	-0.10	<3.0	-0.90	<3.0
Lithium	20	1								
Magnesium	5000	19	1.2	<5000	21.2	<5000	17.4	<5000	8.3	<5000
Manganese	15	.2	0.0	<15	0.20	<15	0.0	<15	0.10	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	-0.20	<10	-0.20	<10	0.0	<10	-0.30	<10
Palladium	50	1.7								
Potassium	10000	37	4.0	<10000	14.9	<10000	25.2	<10000	7.1	<10000
Selenium	10	1.7	-0.20	<10	0.40	<10	-0.30	<10	0.10	<10
Silicon	200	5.4								
Silver	10	.3	-0.30	<10	-0.20	<10	0.0	<10	-0.10	<10
Sodium	10000	6.1	-7.5	<10000	5.4	<10000	-1.8	<10000	1.2	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.60	<2.0	0.30	<2.0	-0.10	<2.0	0.40	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.10	<50	0.40	<50	0.20	<50	0.30	<50
Zinc	20	.4	-1.2	<20	-1.0	<20	-1.2	<20	-1.2	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			11:03		11:24		12:35		13:44	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time: / Sample ID:			15:04 CCB4		16:13 CCB5		17:22 CCB6		18:30 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	9.3	<200	14.5	<200	7.5	<200	6.6	<200
Antimony	6.0	.8	1.7	<6.0	1.3	<6.0	1.6	<6.0	1.3	<6.0
Arsenic	3.0	.8	1.0	<3.0	0.40	<3.0	-0.30	<3.0	-0.60	<3.0
Barium	200	.3	0.50	<200	0.60	<200	0.20	<200	0.50	<200
Beryllium	1.0	.09	0.20	<1.0	0.30	<1.0	0.0	<1.0	0.20	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	0.20	<3.0	0.30	<3.0	0.30	<3.0	0.30	<3.0
Calcium	5000	8.7	-6.9	<5000	-5.8	<5000	-13	<5000	-12	<5000
Chromium	10	.3	0.10	<10	0.0	<10	-0.40	<10	-0.30	<10
Cobalt	50	.3	0.40	<50	0.50	<50	0.0	<50	0.0	<50
Copper	10	2.2	-0.70	<10	-0.50	<10	-1.0	<10	-0.80	<10
Iron	100	5.5	9.0	<100	9.9	<100	2.9	<100	6.1	<100
Lead	3.0	.9	1.0	<3.0	1.4	<3.0	0.10	<3.0	0.80	<3.0
Lithium	20	1								
Magnesium	5000	19	4.8	<5000	24.4	<5000	10.8	<5000	12.9	<5000
Manganese	15	.2	0.20	<15	0.20	<15	0.0	<15	0.20	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	-0.20	<10	0.30	<10	-0.20	<10	-0.20	<10
Palladium	50	1.7								
Potassium	10000	37	40.1	<10000	42.3	<10000	13.4	<10000	9.3	<10000
Selenium	10	1.7	0.20	<10	0.30	<10	-1.5	<10	0.80	<10
Silicon	200	5.4								
Silver	10	.3	-0.40	<10	-0.20	<10	-0.30	<10	-0.40	<10
Sodium	10000	6.1	10.9	<10000	8.1	<10000	-1.0	<10000	-1.8	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	-0.80	<2.0	0.40	<2.0	1.5	<2.0	-0.60	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.50	<50	0.80	<50	0.0	<50	0.30	<50
Zinc	20	.4	-1.0	<20	-1.0	<20	-1.2	<20	-1.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			15:04		16:13		17:22		18:30	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			19:38		20:49		21:56		23:04	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	14.5	<200	20.2	<200	21.3	<200	28.5	<200
Antimony	6.0	.8	1.7	<6.0	1.0	<6.0	1.2	<6.0	1.1	<6.0
Arsenic	3.0	.8	1.2	<3.0	0.30	<3.0	1.5	<3.0	0.80	<3.0
Barium	200	.3	0.80	<200	1.1	<200	1.1	<200	1.1	<200
Beryllium	1.0	.09	0.40	<1.0	0.60	<1.0	0.80	<1.0	0.90	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	0.50	<3.0	0.70	<3.0	1.1	<3.0	1.0	<3.0
Calcium	5000	8.7	-6.1	<5000	-0.60	<5000	5.7	<5000	13.0	<5000
Chromium	10	.3	0.10	<10	0.60	<10	1.1	<10	1.0	<10
Cobalt	50	.3	0.30	<50	1.0	<50	1.1	<50	1.1	<50
Copper	10	2.2	-0.90	<10	-0.70	<10	-0.10	<10	0.40	<10
Iron	100	5.5	12.5	<100	13.0	<100	19.2	<100	24.2	<100
Lead	3.0	.9	0.60	<3.0	0.70	<3.0	1.1	<3.0	1.2	<3.0
Lithium	20	1								
Magnesium	5000	19	27.7	<5000	27.9	<5000	19.6	<5000	19.4	<5000
Manganese	15	.2	0.40	<15	0.60	<15	1.2	<15	1.1	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.0	<10	0.50	<10	1.1	<10	1.1	<10
Palladium	50	1.7								
Potassium	10000	37	25.3	<10000	21.4	<10000	40.1	<10000	42.4	<10000
Selenium	10	1.7	1.1	<10	-0.50	<10	2.9	<10	1.1	<10
Silicon	200	5.4								
Silver	10	.3	-0.40	<10	-0.30	<10	-0.30	<10	-0.30	<10
Sodium	10000	6.1	7.8	<10000	-1.8	<10000	8.9	<10000	5.6	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.10	<2.0	-0.10	<2.0	1.7	<2.0	1.7	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.40	<50	0.70	<50	1.4	<50	1.1	<50
Zinc	20	.4	-0.80	<20	-0.60	<20	0.0	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			19:38		20:49		21:56		23:04	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			00:18		01:32		02:46		04:01	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	8.9	<200	28.5	<200	26.5	<200	31.3	<200
Antimony	6.0	.8	1.2	<6.0	1.5	<6.0	1.6	<6.0	1.5	<6.0
Arsenic	3.0	.8	0.70	<3.0	1.1	<3.0	1.4	<3.0	1.6	<3.0
Barium	200	.3	0.10	<200	1.6	<200	1.0	<200	1.1	<200
Beryllium	1.0	.09	0.10	<1.0	1.2	* (a)	0.80	<1.0	0.90	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	1.1	<3.0	1.3	<3.0	1.3	<3.0	1.0	<3.0
Calcium	5000	8.7	-2.5	<5000	22.8	<5000	13.5	<5000	17.2	<5000
Chromium	10	.3	-0.20	<10	1.7	<10	0.70	<10	0.70	<10
Cobalt	50	.3	0.80	<50	1.1	<50	1.1	<50	0.90	<50
Copper	10	2.2	0.20	<10	1.3	<10	0.90	<10	0.60	<10
Iron	100	5.5	0.80	<100	31.9	<100	25.3	<100	28.3	<100
Lead	3.0	.9	0.60	<3.0	2.5	<3.0	0.50	<3.0	2.3	<3.0
Lithium	20	1								
Magnesium	5000	19	-8.6	<5000	35.2	<5000	30.4	<5000	27.9	<5000
Manganese	15	.2	0.10	<15	2.1	<15	1.3	<15	1.1	<15
Molybdenum	20	.4	anr							
Nickel	10	.4	0.80	<10	1.3	<10	1.2	<10	1.4	<10
Palladium	50	1.7								
Potassium	10000	37	23.5	<10000	56.7	<10000	28.5	<10000	33.8	<10000
Selenium	10	1.7	1.8	<10	1.0	<10	1.3	<10	1.4	<10
Silicon	200	5.4								
Silver	10	.3	-0.10	<10	0.30	<10	-0.10	<10	-0.10	<10
Sodium	10000	6.1	-15	<10000	20.4	<10000	12.2	<10000	18.6	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.0	<2.0	2.5	* (a)	0.90	<2.0	2.5	* (b)
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.20	<50	2.2	<50	1.2	<50	1.1	<50
Zinc	20	.4	-0.40	<20	0.10	<20	-0.10	<20	-0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			00:18		01:32		02:46		04:01	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No AQ samples reported for this element in the area bracketed by this QC.
(b) No samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			04:57	
Sample ID:			CCB16	
Metal	RL	IDL	raw	final
Aluminum	200	5.9	27.1	<200
Antimony	6.0	.8	1.2	<6.0
Arsenic	3.0	.8	1.8	<3.0
Barium	200	.3	1.2	<200
Beryllium	1.0	.09	0.90	<1.0
Bismuth	20	1.4		
Boron	100	.7		
Cadmium	3.0	.2	1.3	<3.0
Calcium	5000	8.7	15.4	<5000
Chromium	10	.3	0.40	<10
Cobalt	50	.3	1.1	<50
Copper	10	2.2	0.60	<10
Iron	100	5.5	28.2	<100
Lead	3.0	.9	1.0	<3.0
Lithium	20	1		
Magnesium	5000	19	39.3	<5000
Manganese	15	.2	1.1	<15
Molybdenum	20	.4	anr	
Nickel	10	.4	1.1	<10
Palladium	50	1.7		
Potassium	10000	37	58.5	<10000
Selenium	10	1.7	1.6	<10
Silicon	200	5.4		
Silver	10	.3	-0.20	<10
Sodium	10000	6.1	4.5	<10000
Sulfur	50	4.3		
Strontium	10	.1		
Thallium	2.0	1.3	2.1	* (a)
Tin	10	.6		
Titanium	10	.3		
Tungsten	50	5.8		
Vanadium	50	.3	1.2	<50
Zinc	20	.4	-0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34133 Units: ug/l

Time:			04:57	
Sample ID:			CCB16	
Metal	RL	IDL	raw	final
Zirconium	10	.3		

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		11:08	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39200	98.0
Antimony	2000	1980	99.0
Arsenic	2000	1990	99.5
Barium	2000	1990	99.5
Beryllium	2000	2030	101.5
Bismuth			
Boron			
Cadmium	2000	2000	100.0
Calcium	40000	40800	102.0
Chromium	2000	2070	103.5
Cobalt	2000	2010	100.5
Copper	2000	1960	98.0
Iron	40000	41100	102.8
Lead	2000	2050	102.5
Lithium			
Magnesium	40000	40800	102.0
Manganese	2000	2090	104.5
Molybdenum	anr		
Nickel	2000	2040	102.0
Palladium			
Potassium	40000	39500	98.8
Selenium	2000	1970	98.5
Silicon			
Silver	250	251	100.4
Sodium	40000	39600	99.0
Sulfur			
Strontium			
Thallium	2000	2050	102.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2020	101.0
Zinc	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		11:08	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		10:47			12:29			13:38	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	39600	99.0	40000	39400	98.5
Antimony	2000	1930	96.5	2000	1930	96.5	2000	1930	96.5
Arsenic	2000	1930	96.5	2000	1950	97.5	2000	1930	96.5
Barium	2000	2000	100.0	2000	1980	99.0	2000	1980	99.0
Beryllium	2000	2040	102.0	2000	2020	101.0	2000	2000	100.0
Bismuth									
Boron									
Cadmium	2000	1950	97.5	2000	1950	97.5	2000	1940	97.0
Calcium	40000	40000	100.0	40000	39800	99.5	40000	39600	99.0
Chromium	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Cobalt	2000	1960	98.0	2000	1960	98.0	2000	1950	97.5
Copper	2000	1970	98.5	2000	1940	97.0	2000	1940	97.0
Iron	40000	40500	101.3	40000	40200	100.5	40000	40000	100.0
Lead	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Lithium									
Magnesium	40000	40100	100.3	40000	40100	100.3	40000	39700	99.3
Manganese	2000	2060	103.0	2000	2050	102.5	2000	2050	102.5
Molybdenum	anr								
Nickel	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Palladium									
Potassium	40000	40000	100.0	40000	39700	99.3	40000	39700	99.3
Selenium	2000	1920	96.0	2000	1940	97.0	2000	1930	96.5
Silicon									
Silver	250	249	99.6	250	246	98.4	250	246	98.4
Sodium	40000	40400	101.0	40000	40200	100.5	40000	40100	100.3
Sulfur									
Strontium									
Thallium	2000	2010	100.5	2000	1990	99.5	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	2000	100.0	2000	2000	100.0
Zinc	2000	2000	100.0	2000	2020	101.0	2000	2000	100.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		10:47			12:29			13:38	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		14:58			16:07			17:16	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	39700	99.3	40000	40100	100.3
Antimony	2000	1920	96.0	2000	1890	94.5	2000	1900	95.0
Arsenic	2000	1920	96.0	2000	1920	96.0	2000	1920	96.0
Barium	2000	1990	99.5	2000	1970	98.5	2000	1990	99.5
Beryllium	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Bismuth									
Boron									
Cadmium	2000	1920	96.0	2000	1910	95.5	2000	1910	95.5
Calcium	40000	39200	98.0	40000	39600	99.0	40000	39400	98.5
Chromium	2000	1970	98.5	2000	1990	99.5	2000	1980	99.0
Cobalt	2000	1940	97.0	2000	1920	96.0	2000	1920	96.0
Copper	2000	1960	98.0	2000	1910	95.5	2000	1930	96.5
Iron	40000	39700	99.3	40000	39900	99.8	40000	40000	100.0
Lead	2000	2010	100.5	2000	1990	99.5	2000	2010	100.5
Lithium									
Magnesium	40000	39600	99.0	40000	39900	99.8	40000	40000	100.0
Manganese	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Molybdenum	anr								
Nickel	2000	1990	99.5	2000	1970	98.5	2000	1980	99.0
Palladium									
Potassium	40000	40100	100.3	40000	39900	99.8	40000	40500	101.3
Selenium	2000	1920	96.0	2000	1900	95.0	2000	1920	96.0
Silicon									
Silver	250	246	98.4	250	244	97.6	250	244	97.6
Sodium	40000	40900	102.3	40000	40500	101.3	40000	41200	103.0
Sulfur									
Strontium									
Thallium	2000	1980	99.0	2000	1990	99.5	2000	1990	99.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	1990	99.5	2000	2010	100.5
Zinc	2000	1990	99.5	2000	1980	99.0	2000	1980	99.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		14:58			16:07			17:16	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		18:24			19:32			20:43	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	40000	100.0	40000	40400	101.0
Antimony	2000	1900	95.0	2000	1900	95.0	2000	1900	95.0
Arsenic	2000	1920	96.0	2000	1920	96.0	2000	1920	96.0
Barium	2000	1980	99.0	2000	1970	98.5	2000	1970	98.5
Beryllium	2000	2000	100.0	2000	2000	100.0	2000	2020	101.0
Bismuth									
Boron									
Cadmium	2000	1900	95.0	2000	1900	95.0	2000	1900	95.0
Calcium	40000	39500	98.8	40000	39200	98.0	40000	39300	98.3
Chromium	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Cobalt	2000	1910	95.5	2000	1920	96.0	2000	1920	96.0
Copper	2000	1910	95.5	2000	1920	96.0	2000	1920	96.0
Iron	40000	39900	99.8	40000	39700	99.3	40000	39900	99.8
Lead	2000	2000	100.0	2000	2020	101.0	2000	2020	101.0
Lithium									
Magnesium	40000	40000	100.0	40000	39900	99.8	40000	40400	101.0
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Molybdenum	anr								
Nickel	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Palladium									
Potassium	40000	40400	101.0	40000	40600	101.5	40000	40900	102.3
Selenium	2000	1910	95.5	2000	1910	95.5	2000	1910	95.5
Silicon									
Silver	250	243	97.2	250	244	97.6	250	245	98.0
Sodium	40000	40900	102.3	40000	41200	103.0	40000	41200	103.0
Sulfur									
Strontium									
Thallium	2000	1970	98.5	2000	1980	99.0	2000	1970	98.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	2020	101.0	2000	2020	101.0
Zinc	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		18:24			19:32			20:43	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		21:50			22:58			00:12	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	38500	96.3	40000	39900	99.8
Antimony	2000	1890	94.5	2000	1930	96.5	2000	1970	98.5
Arsenic	2000	1920	96.0	2000	1960	98.0	2000	1970	98.5
Barium	2000	1950	97.5	2000	1960	98.0	2000	2040	102.0
Beryllium	2000	1990	99.5	2000	1970	98.5	2000	2010	100.5
Bismuth									
Boron									
Cadmium	2000	1900	95.0	2000	1930	96.5	2000	1960	98.0
Calcium	40000	39200	98.0	40000	39600	99.0	40000	39200	98.0
Chromium	2000	1970	98.5	2000	1980	99.0	2000	2000	100.0
Cobalt	2000	1910	95.5	2000	1940	97.0	2000	1950	97.5
Copper	2000	1890	94.5	2000	1880	94.0	2000	1990	99.5
Iron	40000	39500	98.8	40000	39700	99.3	40000	39700	99.3
Lead	2000	2000	100.0	2000	1980	99.0	2000	1970	98.5
Lithium									
Magnesium	40000	39800	99.5	40000	39600	99.0	40000	38900	97.3
Manganese	2000	2030	101.5	2000	2000	100.0	2000	2040	102.0
Molybdenum	anr								
Nickel	2000	1970	98.5	2000	1980	99.0	2000	1970	98.5
Palladium									
Potassium	40000	40300	100.8	40000	39900	99.8	40000	41100	102.8
Selenium	2000	1910	95.5	2000	1960	98.0	2000	1990	99.5
Silicon									
Silver	250	242	96.8	250	241	96.4	250	245	98.0
Sodium	40000	40100	100.3	40000	39200	98.0	40000	40400	101.0
Sulfur									
Strontium									
Thallium	2000	1990	99.5	2000	2030	101.5	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	1920	96.0	2000	2000	100.0
Zinc	2000	1980	99.0	2000	1980	99.0	2000	1950	97.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		21:50			22:58			00:12	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		01:26			02:40			03:55	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	40000	100.0	40000	39500	98.8
Antimony	2000	1980	99.0	2000	1980	99.0	2000	1920	96.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	1930	96.5
Barium	2000	2050	102.5	2000	2060	103.0	2000	2000	100.0
Beryllium	2000	2030	101.5	2000	2030	101.5	2000	1990	99.5
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	1990	99.5	2000	1930	96.5
Calcium	40000	39500	98.8	40000	40000	100.0	40000	38900	97.3
Chromium	2000	2010	100.5	2000	2030	101.5	2000	1980	99.0
Cobalt	2000	1970	98.5	2000	1980	99.0	2000	1940	97.0
Copper	2000	1980	99.0	2000	1970	98.5	2000	1930	96.5
Iron	40000	39800	99.5	40000	40300	100.8	40000	39000	97.5
Lead	2000	1990	99.5	2000	1990	99.5	2000	1970	98.5
Lithium									
Magnesium	40000	39200	98.0	40000	39700	99.3	40000	38700	96.8
Manganese	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Molybdenum	anr								
Nickel	2000	2000	100.0	2000	2000	100.0	2000	1970	98.5
Palladium									
Potassium	40000	41400	103.5	40000	41400	103.5	40000	40800	102.0
Selenium	2000	2010	100.5	2000	2010	100.5	2000	1940	97.0
Silicon									
Silver	250	246	98.4	250	246	98.4	250	241	96.4
Sodium	40000	40800	102.0	40000	40700	101.8	40000	40100	100.3
Sulfur									
Strontium									
Thallium	2000	2110	105.5	2000	2100	105.0	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Zinc	2000	1990	99.5	2000	2000	100.0	2000	1970	98.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		01:26			02:40			03:55	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		04:51	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Aluminum	40000	39200	98.0
Antimony	2000	1900	95.0
Arsenic	2000	1920	96.0
Barium	2000	1990	99.5
Beryllium	2000	1980	99.0
Bismuth			
Boron			
Cadmium	2000	1920	96.0
Calcium	40000	39200	98.0
Chromium	2000	2000	100.0
Cobalt	2000	1940	97.0
Copper	2000	1940	97.0
Iron	40000	39200	98.0
Lead	2000	1970	98.5
Lithium			
Magnesium	40000	39000	97.5
Manganese	2000	2040	102.0
Molybdenum	anr		
Nickel	2000	1970	98.5
Palladium			
Potassium	40000	40600	101.5
Selenium	2000	1920	96.0
Silicon			
Silver	250	243	97.2
Sodium	40000	39900	99.8
Sulfur			
Strontium			
Thallium	2000	2030	101.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2000	100.0
Zinc	2000	1980	99.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34133 Units: ug/l

Time:		04:51	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				11:32		11:38		11:45	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	213	106.5	111	111.0	510	102.0
Antimony	6.0	20	3.0	6.9	115.0	3.8	126.7	19.9	99.5
Arsenic	8.0	20	3.0	9.2	115.0	3.7	123.3	20.1	100.5
Barium	200		4.0	208	104.0	4.2	105.0		
Beryllium	2.0		1.0	2.3	115.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.1	110.0		
Calcium	5000		1000	5160	103.2	1040	104.0		
Chromium	10		2.0	10.9	109.0	2.0	100.0		
Cobalt	50		3.0	50.2	100.4	2.7	90.0		
Copper	10		2.0	9.8	98.0				
Iron	100	500		108	108.0			537	107.4
Lead	3.0	20	2.5	3.8	126.7	2.5	100.0	21.4	107.0
Lithium	20								
Magnesium	5000		100	5340	106.8	110	110.0		
Manganese	15		3.0	16.9	112.7	3.2	106.7		
Molybdenum	20			anr					
Nickel	10		4.0	9.9	99.0	3.7	92.5		
Palladium	50								
Potassium	5000		2000	5230	104.6	2100	105.0		
Selenium	10	20	5.0	9.8	98.0	6.1	122.0	20.2	101.0
Silicon	200								
Silver	5.0		1.0	5.1	102.0	0.90	90.0		
Sodium	5000		1000	5230	104.6	1030	103.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	9.2	92.0	2.1	105.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	54.7	109.4	2.1	105.0		
Zinc	20		10	21.6	108.0	10.2	102.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				11:32		11:38		11:45	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				12:43		19:44		19:51	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	112	112.0	213	106.5	113	113.0
Antimony	6.0	20	3.0	3.3	110.0	6.8	113.3		
Arsenic	8.0	20	3.0	3.7	123.3	8.5	106.3	3.1	103.3
Barium	200		4.0	4.4	110.0	204	102.0	4.3	107.5
Beryllium	2.0		1.0	1.0	100.0	2.3	115.0	1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	1.2	120.0	3.2	106.7	1.1	110.0
Calcium	5000		1000	1020	102.0	5180	103.6	1040	104.0
Chromium	10		2.0	1.9	95.0	10.5	105.0	2.1	105.0
Cobalt	50		3.0	3.1	103.3	49.5	99.0	3.1	103.3
Copper	10		2.0			8.9	89.0		
Iron	100	500				109	109.0		
Lead	3.0	20	2.5	2.7	108.0	3.7	123.3	3.2	128.0
Lithium	20								
Magnesium	5000		100	125	125.0	5540	110.8	111	111.0
Manganese	15		3.0	3.3	110.0	16.6	110.7	3.3	110.0
Molybdenum	20								
Nickel	10		4.0	3.8	95.0	10.2	102.0	3.8	95.0
Palladium	50								
Potassium	5000		2000	2090	104.5	5260	105.2	2170	108.5
Selenium	10	20	5.0	6.3	126.0	11.5	115.0	6.3	126.0
Silicon	200								
Silver	5.0		1.0			4.8	96.0	0.70	70.0
Sodium	5000		1000	1040	104.0	5160	103.2	1040	104.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	1.6	80.0	8.3	83.0	1.7	85.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.2	110.0	52.6	105.2	2.3	115.0
Zinc	20		10	10.2	102.0	21.6	108.0	10.6	106.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				12:43		19:44		19:51	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				19:57		04:07		04:13	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	517	103.4	209	104.5	115	115.0
Antimony	6.0	20	3.0	20.5	102.5	7.1	118.3	3.1	103.3
Arsenic	8.0	20	3.0	19.4	97.0	9.3	116.3	3.3	110.0
Barium	200		4.0			208	104.0	4.6	115.0
Beryllium	2.0		1.0			2.4	120.0	1.1	110.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			3.4	113.3	1.2	120.0
Calcium	5000		1000			5120	102.4	1030	103.0
Chromium	10		2.0			11.3	113.0	2.0	100.0
Cobalt	50		3.0			49.8	99.6	3.0	100.0
Copper	10		2.0			9.6	96.0		
Iron	100	500		537	107.4	109	109.0		
Lead	3.0	20	2.5	22.2	111.0	3.7	123.3	3.0	120.0
Lithium	20								
Magnesium	5000		100			5310	106.2	113	113.0
Manganese	15		3.0			16.5	110.0	3.4	113.3
Molybdenum	20								
Nickel	10		4.0			10.2	102.0	4.3	107.5
Palladium	50								
Potassium	5000		2000			5320	106.4	2190	109.5
Selenium	10	20	5.0	20.7	103.5	10.8	108.0		
Silicon	200								
Silver	5.0		1.0			4.7	94.0	0.70	70.0
Sodium	5000		1000			5090	101.8	1040	104.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0			9.4	94.0	3.2	160.0*(a
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			52.6	105.2	2.2	110.0
Zinc	20		10			21.6	108.0	10.4	104.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				19:57		04:07		04:13	
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 TLNJ in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				04:19	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	526	105.2
Antimony	6.0	20	3.0	19.7	98.5
Arsenic	8.0	20	3.0	19.4	97.0
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		543	108.6
Lead	3.0	20	2.5	20.9	104.5
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	21.6	108.0
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		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34133 Units: ug/l

Time:				04:19	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34133 Units: ug/l

Time:			12:04		12:10		20:03		20:10	
Sample ID:	ICSA	ICSAB	ICSA2		ICSAB2		ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	518000	103.6	507000	101.4	516000	103.2	516000	103.2
Antimony		1000	10.8		1000	100.0	9.1		999	99.9
Arsenic		1000	0.50		1100	110.0	-1.9		1110	111.0
Barium		500	-0.60		500	100.0	-0.50		500	100.0
Beryllium		500	0.0		504	100.8	0.0		507	101.4
Bismuth		500	1.0		502	100.4	1.3		498	99.6
Boron			-12		-13		-12		-13	
Cadmium		1000	1.3		991	99.1	1.0		986	98.6
Calcium	400000	400000	387000	96.8	381000	95.3	383000	95.8	382000	95.5
Chromium		500	-1.5		477	95.4	-1.2		476	95.2
Cobalt		500	3.5		470	94.0	3.3		469	93.8
Copper		500	-3.6		524	104.8	-3.5		518	103.6
Iron	200000	200000	197000	98.5	191000	95.5	195000	97.5	191000	95.5
Lead		1000	-0.80		945	94.5	5.8		963	96.3
Lithium		500	5.2		546	109.2	6.8		558	111.6
Magnesium	500000	500000	546000	109.2	533000	106.6	551000	110.2	542000	108.4
Manganese		500	3.1		515	103.0	1.2		518	103.6
Molybdenum		500	-1.3		483	96.6	-1.3		490	98.0
Nickel		1000	-0.30		946	94.6	-0.20		955	95.5
Palladium		500	-16		530	106.0	-15		523	104.6
Potassium			13.2		4.9		7.6		-4.7	
Selenium		1000	13.7		1030	103.0	14.1		1030	103.0
Silicon			-7.1		0.30		-6.4		-0.20	
Silver		1000	1.9		1130	113.0	-3.4		1130	113.0
Sodium			-3.7		-10		-18		-6.0	
Sulfur		500	-54		424	84.8	-50		442	88.4
Strontium			-0.70		-0.70		-0.60		-0.60	
Thallium		1000	1.8		910	91.0	2.2		921	92.1
Tin			8.2		10.0		8.0		7.9	
Titanium			1.9		6.0		2.6		5.6	
Tungsten		500	40.3		520	104.0	26.1		511	102.2
Vanadium		500	-2.6		481	96.2	-1.7		479	95.8
Zinc		1000	-0.70		933	93.3	-0.80		945	94.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB053014M1.ICP Date Analyzed: 05/30/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34133 Units: ug/l

Time:			12:04		12:10		20:03		20:10	
Sample ID:	ICSA	ICSAB	ICSA2		ICSAB2		ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	18.3		518	103.6	14.4		514	102.8

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:10	MA34141-STD1	1		STDA
12:16	MA34141-STD2	1		STDB
12:22	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:36	MA34141-ICV1	1		See rerun.
12:49	MA34141-ICB1	1		See rerun.
12:56	MA34141-ICV2	1		
13:11	MA34141-ICB2	1		
13:18	MA34141-ICCV1	1		
13:30	MA34141-CCB1	1		
13:35	MA34141-CRI1	1		
13:41	MA34141-CRID1	1		
13:47	MA34141-CRIA1	1		
13:54	MA34141-ICSA1	1		
14:00	MA34141-ICSAB1	1		
14:06	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:19	MA34141-CCV1	1		
14:25	MA34141-CCB2	1		
14:31	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:56	MP79787-MB1	1		
15:03	MP79787-B1	1		
15:09	MP79787-LC1	1		
15:15	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:27	MA34141-CCV2	1		
15:35	MA34141-CCB3	1		
15:41	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:01	MP79610A-S2	2		
16:07	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:38	MA34141-CCV3	1		
16:45	MA34141-CCB4	1		
16:51	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:47	MA34141-CCV4	1		
17:53	MA34141-CCB5	1		
18:00	ZZZZZZ	1		
18:06	ZZZZZZ	1		
18:12	ZZZZZZ	2		
18:18	ZZZZZZ	2		
18:24	ZZZZZZ	1		
18:31	JB67744-4	1		
---------->	Last reportable sample/prep for job JB67744			
18:37	ZZZZZZ	1		
18:43	ZZZZZZ	2		
18:49	ZZZZZZ	1		
18:56	MA34141-CCV5	1		
19:02	MA34141-CCB6	1		
19:08	MP79771-S1	2		
19:14	MP79771-S2	2		
19:20	JB67728-9A	2		(sample used for QC only; not part of login JB67744)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:27	MP79771-SD1	10		
19:33	MP79787-S1	1		Pb=30ppm
19:39	MP79787-S2	1		Pb=30ppm
19:45	JB67819-10A	1		(sample used for QC only; not part of login JB67744)
19:51	MP79787-SD1	5		Pb=30ppm
19:58	ZZZZZZ	1		
20:04	MA34141-CCV6	1		
20:10	MA34141-CCB7	1		
20:16	MA34141-CRI2	1		
20:22	MA34141-CRID2	1		
20:29	MA34141-CRIA2	1		
20:35	MA34141-ICSA2	1		
20:41	MA34141-ICSAB2	1		
20:48	ZZZZZZ	1		
20:54	ZZZZZZ	1		
21:00	ZZZZZZ	1		
21:07	MA34141-CCV7	1		
21:13	MA34141-CCB8	1		
---------->	Last reportable CCB for job JB67744			
21:19	ZZZZZZ	1		
21:25	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:50	ZZZZZZ	1		
21:56	ZZZZZZ	1		
22:02	ZZZZZZ	1		
22:08	ZZZZZZ	1		
22:14	MA34141-CCV8	1		
22:20	MA34141-CCB9	1		
22:27	ZZZZZZ	1		
22:33	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:45	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:51	ZZZZZZ	1		
22:57	MP79783-MB1	1		
23:04	MP79783-B1	1		
23:10	MP79783-S1	1		
23:16	MP79783-S2	1		
23:22	MA34141-CCV9	1		
23:28	MA34141-CCB10	1		
23:34	JB67955-8	1		(sample used for QC only; not part of login JB67744)
23:40	MP79783-SD1	5		
23:47	ZZZZZZ	1		
23:53	ZZZZZZ	1		
23:59	ZZZZZZ	1		
00:05	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:17	ZZZZZZ	1		
00:23	ZZZZZZ	1		
00:29	ZZZZZZ	1		
00:36	MA34141-CCV10	1		
00:42	MA34141-CCB11	1		
00:48	ZZZZZZ	1		
00:54	ZZZZZZ	1		
01:00	ZZZZZZ	1		
01:06	ZZZZZZ	1		
01:13	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:25	ZZZZZZ	1		
01:31	ZZZZZZ	1		
01:37	ZZZZZZ	1		
01:43	ZZZZZZ	1		
01:50	MA34141-CCV11	1		
01:56	MA34141-CCB12	1		
02:02	ZZZZZZ	1		
02:08	MP79782-S2	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:14	ZZZZZZ	1		
02:21	MP79782-SD1	5		
02:27	ZZZZZZ	3		
02:33	ZZZZZZ	1		
02:39	ZZZZZZ	2		
02:45	ZZZZZZ	2		
02:52	MP79799-MB1	1		
02:58	MP79799-B1	1		
03:04	MA34141-CCV12	1		
03:10	MA34141-CCB13	1		
03:16	MP79799-S1	1		
03:22	MP79799-S2	1		
03:29	JB67955-68	1		(sample used for QC only; not part of login JB67744)
03:35	MP79799-SD1	5		
03:41	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:53	ZZZZZZ	1		
04:00	ZZZZZZ	1		
04:06	ZZZZZZ	1		
04:12	ZZZZZZ	1		
04:18	MA34141-CCV13	1		
04:24	MA34141-CCB14	1		
04:30	MA34141-CRI3	1		
04:37	MA34141-CRID3	1		Tl out.
04:43	MA34141-CRIA3	1		
04:49	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:02	ZZZZZZ	1		
05:08	ZZZZZZ	1		
05:15	MA34141-CCV14	1		
05:21	MA34141-CCB15	1		
05:27	ZZZZZZ	1		
05:33	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:39	ZZZZZZ	1		
05:46	ZZZZZZ	1		
05:52	ZZZZZZ	1		
05:58	ZZZZZZ	1		
06:04	ZZZZZZ	1		
06:10	ZZZZZZ	1		
06:17	ZZZZZZ	1		
06:23	ZZZZZZ	1		
06:29	MA34141-CCV15	1		
06:35	MA34141-CCB16	1		
06:41	ZZZZZZ	1		
06:47	ZZZZZZ	1		
06:54	ZZZZZZ	1		
07:00	ZZZZZZ	1		
07:06	ZZZZZZ	2		
07:12	ZZZZZZ	2		
07:19	ZZZZZZ	10		
07:25	ZZZZZZ	5		
07:32	ZZZZZZ	50		
07:43	MA34141-CCV16	1		
07:49	MA34141-CCB17	1		
07:55	MA34141-CRI4	1		
08:01	MA34141-CRID4	1		
08:07	MA34141-CRIA4	1		
08:14	MA34141-CCV17	1		
08:22	MA34141-CCB18	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:10	MA34141-STD1	1959 R	101610 R	18197 R	6653 R
12:16	MA34141-STD2	1821	92267	17612	5648
12:22	ZZZZZZ	1883	95157	17828	5898
12:28	ZZZZZZ	1964	101310	18187	6654
12:36	MA34141-ICV1	No results reported for the elements associated with this internal standard.			
12:49	MA34141-ICB1	No results reported for the elements associated with this internal standard.			
12:56	MA34141-ICV2	1886	94773	17772	5892
13:11	MA34141-ICB2	1972	100640	18032	6642
13:18	MA34141-ICCV1	1895	95741	17806	5939
13:30	MA34141-CCB1	1975	101650	18056	6665
13:35	MA34141-CRI1	1973	101220	18260	6566
13:41	MA34141-CRID1	1976	101520	18232	6643
13:47	MA34141-CRIA1	1950	103250	18250	6637
13:54	MA34141-ICSA1	1720	85657	17049	5155
14:00	MA34141-ICSAB1	1728	84188	17064	5178
14:06	ZZZZZZ	1932	101740	18176	6650
14:12	ZZZZZZ	1921	102050	18094	6630
14:19	MA34141-CCV1	1905	96851	17987	5956
14:25	MA34141-CCB2	1972	101010	18089	6653
14:31	ZZZZZZ	1962	100340	18136	6590
14:37	ZZZZZZ	1942	101130	18239	6593
14:44	ZZZZZZ	1753	89178	17727	5419
14:50	ZZZZZZ	1702	86296	17361	5137
14:56	MP79787-MB1	1951	100990	18270	6670
15:03	MP79787-B1	1919	98886	18055	6220
15:09	MP79787-LC1	1952	99867	18579	6145
15:15	ZZZZZZ	1937	99395	18689	5995
15:21	ZZZZZZ	1924	99095	18472	6017
15:27	MA34141-CCV2	1896	93309	17606	5869
15:35	MA34141-CCB3	1951	101150	17864	6619
15:41	ZZZZZZ	1923	102800	18231	6689
15:48	ZZZZZZ	1945	101600	18143	6690
15:54	ZZZZZZ	1971	100110	18140	6692

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:01	MP79610A-S2	1893	97794	18153	6325
16:07	ZZZZZZ	1846	96924	18099	6397
16:13	ZZZZZZ	1946	102070	18231	6622
16:19	ZZZZZZ	999 !a	81831	16907	4879
16:26	ZZZZZZ	1881	95947	18229	6228
16:32	ZZZZZZ	1940	102760	18101	6658
16:38	MA34141-CCV3	1887	96616	17699	5914
16:45	MA34141-CCB4	1944	98220	17622	6524
16:51	ZZZZZZ	1956	98707	17543	6564
16:57	ZZZZZZ	1945	102280	17935	6613
17:03	ZZZZZZ	1943	104150	18130	6608
17:10	ZZZZZZ	1958	98976	17821	6538
17:16	ZZZZZZ	1957	100260	17888	6607
17:22	ZZZZZZ	1948	101530	17801	6601
17:28	ZZZZZZ	1967	102250	18004	6648
17:35	ZZZZZZ	1963	98952	17733	6581
17:41	ZZZZZZ	1954	101830	17958	6625
17:47	MA34141-CCV4	1898	97755	17770	5964
17:53	MA34141-CCB5	1968	101450	17798	6652
18:00	ZZZZZZ	1968	101630	18152	6644
18:06	ZZZZZZ	2003	99121	18709	6194
18:12	ZZZZZZ	1796	91857	17518	5301
18:18	ZZZZZZ	1913	100110	18057	6354
18:24	ZZZZZZ	1938	100980	17938	6596
18:31	JB67744-4	1837	93310	18027	5387
18:37	ZZZZZZ	1847	94052	17940	5460
18:43	ZZZZZZ	1909	98076	17990	6455
18:49	ZZZZZZ	1944	100980	18028	6606
18:56	MA34141-CCV5	1895	95851	17593	5908
19:02	MA34141-CCB6	1950	100430	17879	6562
19:08	MP79771-S1	1949	99940	18294	6114
19:14	MP79771-S2	1942	100190	18171	6112
19:20	JB67728-9A	1976	99119	18091	6238

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:27	MP79771-SD1	1968	99335	17700	6458
19:33	MP79787-S1	1910	99172	18141	6104
19:39	MP79787-S2	1871	95316	17797	6052
19:45	JB67819-10A	1919	98258	18018	6267
19:51	MP79787-SD1	1949	100220	17788	6432
19:58	ZZZZZZ	2001	99354	18328	6081
20:04	MA34141-CCV6	1887	95571	17449	5888
20:10	MA34141-CCB7	1943	99502	17646	6547
20:16	MA34141-CRI2	1913	100290	17606	6393
20:22	MA34141-CRID2	1940	98638	17393	6484
20:29	MA34141-CRIA2	1960	99273	17580	6576
20:35	MA34141-ICSA2	1690	85343	16554	5096
20:41	MA34141-ICSAB2	1681	85198	16404	5090
20:48	ZZZZZZ	1945	100200	17408	6517
20:54	ZZZZZZ	1779	91467	17027	5565
21:00	ZZZZZZ	1947	99974	17635	6551
21:07	MA34141-CCV7	1882	95350	17301	5882
21:13	MA34141-CCB8	1945	100810	17590	6561
21:19	ZZZZZZ	1932	99234	18267	6154
21:25	ZZZZZZ	1917	97755	18036	6131
21:31	ZZZZZZ	1953	99547	18150	6228
21:38	ZZZZZZ	1870	96113	17669	5942
21:44	ZZZZZZ	1975	100170	18381	6075
21:50	ZZZZZZ	1968	100630	18241	6189
21:56	ZZZZZZ	2017	103190	18801	6128
22:02	ZZZZZZ	1914	98941	18074	6329
22:08	ZZZZZZ	1950	99411	18264	6293
22:14	MA34141-CCV8	1877	94983	17365	5876
22:20	MA34141-CCB9	1939	100160	17469	6542
22:27	ZZZZZZ	1951	100930	18207	6272
22:33	ZZZZZZ	2001	100750	18455	6166
22:39	ZZZZZZ	1936	100460	18123	6196
22:45	ZZZZZZ	1950	99939	18158	5994

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:51	ZZZZZZ	2001	102660	18515	6246
22:57	MP79783-MB1	1943	102350	17938	6610
23:04	MP79783-B1	1901	96287	17330	6109
23:10	MP79783-S1	1947	99406	17908	6039
23:16	MP79783-S2	1942	99289	18071	6019
23:22	MA34141-CCV9	1853	95584	17226	5846
23:28	MA34141-CCB10	1923	100030	17375	6506
23:34	JB67955-8	1961	100610	18181	6159
23:40	MP79783-SD1	1944	100220	17740	6391
23:47	ZZZZZZ	1960	99410	18298	6162
23:53	ZZZZZZ	1970	99892	18483	6120
23:59	ZZZZZZ	1966	99998	18380	6071
00:05	ZZZZZZ	1968	101170	18160	6238
00:11	ZZZZZZ	2012	102390	18885	6271
00:17	ZZZZZZ	1975	101240	18280	6293
00:23	ZZZZZZ	1980	99967	18562	6066
00:29	ZZZZZZ	1960	99481	18235	6166
00:36	MA34141-CCV10	1855	94505	17288	5828
00:42	MA34141-CCB11	1909	99220	17357	6467
00:48	ZZZZZZ	1954	100460	18293	6173
00:54	ZZZZZZ	1983	101600	18519	6200
01:00	ZZZZZZ	1962	105930	18856	6397
01:06	ZZZZZZ	1930	104590	18417	6235
01:13	ZZZZZZ	1890	99365	17938	6105
01:19	ZZZZZZ	1902	99130	18324	6041
01:25	ZZZZZZ	1890	99971	17017	6238
01:31	ZZZZZZ	1882	98703	18114	6165
01:37	ZZZZZZ	1911	98997	18715	6083
01:43	ZZZZZZ	1866	96817	18249	5972
01:50	MA34141-CCV11	1785	94667	17686	5669
01:56	MA34141-CCB12	1846	99492	17847	6339
02:02	ZZZZZZ	1883	97676	18523	5961
02:08	MP79782-S2	1937	100190	18882	5866

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:14	ZZZZZZ	2189	113410	22022	5616
02:21	MP79782-SD1	1901	101400	18730	5946
02:27	ZZZZZZ	1699	91950	17537	5987
02:33	ZZZZZZ	1786	94277	18234	5889
02:39	ZZZZZZ	1726	91127	17588	5995
02:45	ZZZZZZ	1723	90831	17610	6179
02:52	MP79799-MB1	1804	96764	17941	6193
02:58	MP79799-B1	1753	93134	17587	5750
03:04	MA34141-CCV12	1746	92594	17555	5590
03:10	MA34141-CCB13	1823	98309	17987	6266
03:16	MP79799-S1	1779	94765	18182	5721
03:22	MP79799-S2	1797	94410	18111	5712
03:29	JB67955-68	1826	95837	18245	5905
03:35	MP79799-SD1	1831	96221	18005	6131
03:41	ZZZZZZ	1811	94321	18335	5826
03:47	ZZZZZZ	1891	99438	19001	5825
03:53	ZZZZZZ	1854	98812	18847	5860
04:00	ZZZZZZ	1822	97511	18671	5855
04:06	ZZZZZZ	1952	103230	19677	5807
04:12	ZZZZZZ	1817	96473	18505	5863
04:18	MA34141-CCV13	1735	90827	17450	5566
04:24	MA34141-CCB14	1807	95898	17734	6214
04:30	MA34141-CRI3	1793	95116	17636	6057
04:37	MA34141-CRID3	1819	96585	17883	6196
04:43	MA34141-CRIA3	1784	97303	17844	6096
04:49	ZZZZZZ	1830	97354	17791	6278
04:56	ZZZZZZ	1809	97961	17955	6227
05:02	ZZZZZZ	1810	97611	17922	6222
05:08	ZZZZZZ	1811	97554	17824	6225
05:15	MA34141-CCV14	1737	91932	17530	5570
05:21	MA34141-CCB15	1799	97099	17702	6222
05:27	ZZZZZZ	1817	96544	18600	5853
05:33	ZZZZZZ	1834	97137	18532	5866

INTERNAL STANDARD SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34141
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
05:39	ZZZZZZ	1895	100900	19149	5949
05:46	ZZZZZZ	1815	96967	18598	5793
05:52	ZZZZZZ	1826	95479	18530	5754
05:58	ZZZZZZ	1825	96707	18477	5863
06:04	ZZZZZZ	1828	95055	18452	5873
06:10	ZZZZZZ	1814	95127	18335	6027
06:17	ZZZZZZ	1877	99049	19012	5925
06:23	ZZZZZZ	1941	103050	19803	5873
06:29	MA34141-CCV15	1734	92812	17681	5566
06:35	MA34141-CCB16	1793	97402	17935	6196
06:41	ZZZZZZ	1851	97663	18888	5800
06:47	ZZZZZZ	1966	101860	19892	5785
06:54	ZZZZZZ	1861	97904	19007	5673
07:00	ZZZZZZ	1813	98471	18502	6303
07:06	ZZZZZZ	1603	86215	17332	5066
07:12	ZZZZZZ	1629	84594	17293	5107
07:19	ZZZZZZ	1212 !a	87908	18652	5072
07:25	ZZZZZZ	1627	81367	16770	4884
07:32	ZZZZZZ	1724	92827	17307	5956
07:43	MA34141-CCV16	1781	91375	17206	5640
07:49	MA34141-CCB17	1850	97798	17378	6324
07:55	MA34141-CRI4	1842	96699	17328	6202
08:01	MA34141-CRID4	1850	96303	17159	6274
08:07	MA34141-CRIA4	1883	98282	17453	6393
08:14	MA34141-CCV17	1813	91975	16967	5695
08:22	MA34141-CCB18	1901	97611	17235	6444

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34141 Units: ug/l

Time: / Sample ID:			13:11 ICB2		13:30 CCB1		14:25 CCB2		15:35 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr							
Antimony	6.0	.8	anr							
Arsenic	3.0	.8	anr							
Barium	200	.3	anr							
Beryllium	1.0	.09	anr							
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	2.2	anr							
Iron	100	5.5	anr							
Lead	3.0	.9	anr							
Lithium	20	1								
Magnesium	5000	19	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.4	anr							
Palladium	50	1.7								
Potassium	10000	37	anr							
Selenium	10	1.7	anr							
Silicon	200	5.4								
Silver	10	.3	anr							
Sodium	10000	6.1	anr							
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.70	<2.0	1.0	<2.0	0.10	<2.0	0.90	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	anr							
Zinc	20	.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34141 Units: ug/l

Time:			13:11		13:30		14:25		15:35	
Sample ID:			ICB2		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34141 Units: ug/l

Time:			16:45		17:53		19:02		20:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	anr							
Antimony	6.0	.8	anr							
Arsenic	3.0	.8	anr							
Barium	200	.3	anr							
Beryllium	1.0	.09	anr							
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	2.2	anr							
Iron	100	5.5	anr							
Lead	3.0	.9	anr							
Lithium	20	1								
Magnesium	5000	19	anr							
Manganese	15	.2	anr							
Molybdenum	20	.4	anr							
Nickel	10	.4	anr							
Palladium	50	1.7								
Potassium	10000	37	anr							
Selenium	10	1.7	anr							
Silicon	200	5.4								
Silver	10	.3	anr							
Sodium	10000	6.1	anr							
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.30	<2.0	0.70	<2.0	0.0	<2.0	-0.10	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	anr							
Zinc	20	.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34141 Units: ug/l

Time:			16:45		17:53		19:02		20:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34141 Units: ug/l

Time:			21:13	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	5.9	anr	
Antimony	6.0	.8	anr	
Arsenic	3.0	.8	anr	
Barium	200	.3	anr	
Beryllium	1.0	.09	anr	
Bismuth	20	1.4		
Boron	100	.7		
Cadmium	3.0	.2	anr	
Calcium	5000	8.7	anr	
Chromium	10	.3	anr	
Cobalt	50	.3	anr	
Copper	10	2.2	anr	
Iron	100	5.5	anr	
Lead	3.0	.9	anr	
Lithium	20	1		
Magnesium	5000	19	anr	
Manganese	15	.2	anr	
Molybdenum	20	.4	anr	
Nickel	10	.4	anr	
Palladium	50	1.7		
Potassium	10000	37	anr	
Selenium	10	1.7	anr	
Silicon	200	5.4		
Silver	10	.3	anr	
Sodium	10000	6.1	anr	
Sulfur	50	4.3		
Strontium	10	.1		
Thallium	2.0	1.3	-0.80	<2.0
Tin	10	.6		
Titanium	10	.3		
Tungsten	50	5.8		
Vanadium	50	.3	anr	
Zinc	20	.4	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34141 Units: ug/l

Time:			21:13	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zirconium	10	.3		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	2000	2040	102.0
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		13:18	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		12:56			14:19			15:27	
Sample ID:	ICV	ICV2		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	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2000	100.0	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		12:56			14:19			15:27	
Sample ID:	ICV	ICV2		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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		16:38			17:47			18:56	
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	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2040	102.0	2000	2000	100.0	2000	2020	101.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		16:38			17:47			18:56	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		20:04			21:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Sulfur						
Strontium						
Thallium	2000	2000	100.0	2000	2020	101.0
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34141 Units: ug/l

Time:		20:04			21:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34141 Units: ug/l

Time:				13:35		13:41		13:47	
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	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.4	104.0	2.2	110.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34141 Units: ug/l

Time:				13:35		13:41		13:47	
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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34141 Units: ug/l

Time:				20:16		20:22		20:29	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
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	anr					
Calcium	5000		1000	anr					
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	9.4	94.0	2.2	110.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34141 Units: ug/l

Time:				20:16		20:22		20:29	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34141 Units: ug/l

Time:			13:54		14:00		20:35		20:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	512000	102.4	519000	103.8	509000	101.8	515000	103.0
Antimony		1000	9.2		1020	102.0	6.8		1040	104.0
Arsenic		1000	1.1		1050	105.0	-1.1		1090	109.0
Barium		500	-0.80		500	100.0	-0.80		505	101.0
Beryllium		500	-0.10		498	99.6	-0.10		496	99.2
Bismuth		500	1.6		551	110.2	0.60		560	112.0
Boron			-12		-14		-14		-14	
Cadmium		1000	2.1		1010	101.0	1.9		1030	103.0
Calcium	400000	400000	384000	96.0	365000	91.3	386000	96.5	385000	96.3
Chromium		500	-0.90		467	93.4	-0.80		475	95.0
Cobalt		500	3.4		476	95.2	3.0		481	96.2
Copper		500	0.80		542	108.4	1.5		521	104.2
Iron	200000	200000	195000	97.5	188000	94.0	196000	98.0	194000	97.0
Lead		1000	-2.2		940	94.0	-2.3		961	96.1
Lithium		500	6.1		546	109.2	5.7		568	113.6
Magnesium	500000	500000	543000	108.6	531000	106.2	547000	109.4	558000	111.6
Manganese		500	3.0		515	103.0	1.9		508	101.6
Molybdenum		500	-1.3		490	98.0	-1.2		498	99.6
Nickel		1000	-1.0		955	95.5	-0.80		972	97.2
Palladium		500	-16		527	105.4	-16		519	103.8
Potassium			-21		-7.7		-20		-25	
Selenium		1000	19.7		1080	108.0	14.3		1110	111.0
Silicon			-4.5		-2.4		-4.0		-1.4	
Silver		1000	6.5		1140	114.0	3.4		1140	114.0
Sodium			-6.1		0.60		-6.6		-6.4	
Sulfur		500	-46		451	90.2	-50		468	93.6
Strontium			-0.90		-0.70		-0.60		-0.70	
Thallium		1000	3.1		927	92.7	2.1		931	93.1
Tin			9.2		7.1		6.0		8.3	
Titanium			2.2		5.6		2.1		6.0	
Tungsten		500	13.0		567	113.4	7.2		572	114.4
Vanadium		500	-1.1		508	101.6	-0.70		483	96.6
Zinc		1000	-1.6		947	94.7	-1.8		967	96.7

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34141 Units: ug/l

Time:			13:54		14:00		20:35		20:41	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	11.5		591	118.2	11.4		596	119.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34150
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:56	MA34150-STD1	1		STDA
11:57	MA34150-STD2	1		STDB
11:59	MA34150-STD3	1		STDC
12:00	MA34150-STD4	1		STDD
12:02	MA34150-STD5	1		STDE
12:03	MA34150-STD6	1		STDF
12:13	MA34150-ICV1	1		
12:14	MA34150-ICB1	1		
12:15	MA34150-ICCV1	1		
12:17	MA34150-CCB1	1		
12:18	MA34150-CRI1	1		
12:32	MP79838-MB1	1		
12:33	MP79838-LC1	1		
12:34	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:37	JB68005-1	1		(sample used for QC only; not part of login JB67744)
12:38	JB67744-6	1		
12:40	JB67744-11	1		
12:41	MP79839-MB1	1		
12:42	MP79839-LC1	1		
12:44	MA34150-CCV1	1		
12:45	MA34150-CCB2	1		
12:47	MP79839-S1	1		
12:48	MP79839-S2	1		
12:49	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:57	ZZZZZZ	1		
12:58	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:02	MA34150-CCV2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34150
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:03	MA34150-CCB3	1		
13:05	MP79837-MB1	1		
13:06	MP79837-LC1	1		
13:07	MP79837-S1	1		
13:09	MP79837-S2	1		
13:10	JB67938-1	1		(sample used for QC only; not part of login JB67744)
13:11	ZZZZZZ	1		
13:17	MP79837-PS1	1		
---------->	Last reportable sample/prep for job JB67744			
13:18	MA34150-CRI2	1		
13:24	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:26	MA34150-CCV3	1		
13:28	MA34150-CCB4	1		
---------->	Last reportable CCB for job JB67744			
13:29	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:33	JB67527-3	1		(sample used for QC only; not part of login JB67744)
13:34	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:41	MP79842-MB1	1		
13:42	MA34150-CCV4	1		
13:43	MA34150-CCB5	1		
13:45	MP79842-LC1	1		
13:46	MP79842-S1	1		
13:48	MP79842-S2	1		
13:49	JB67845-1F	1		(sample used for QC only; not part of login JB67744)
13:51	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:55	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34150
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:56	ZZZZZZ	1		
13:57	ZZZZZZ	1		
13:59	MA34150-CCV5	1		
14:00	MA34150-CCB6	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:15	MA34150-CCV6	1		
14:16	MA34150-CCB7	1		
14:18	ZZZZZZ	1		
14:19	MP79843-MB1	1		
14:20	MP79843-LC1	1		
14:21	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:31	MA34150-CCV7	1		
14:32	MA34150-CCB8	1		
14:33	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:36	ZZZZZZ	1		
15:20	MP79853-MB1	1		
15:21	MP79853-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34150
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:22	MP79853-S1	1		
15:24	MP79853-S2	1		
15:25	MP79854-MB1	1		
15:27	MP79854-B1	1		
15:28	MA34150-CCV8	1		
15:30	MA34150-CCB9	1		
15:31	MP79854-S1	1		
15:32	MP79854-S2	1		
15:34	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:41	JB68170-1A	1		(sample used for QC only; not part of login JB67744)
15:42	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:45	MA34150-CCV9	1		
15:46	MA34150-CCB10	1		
15:47	ZZZZZZ	1		
15:49	JB68170-2AB	1		(sample used for QC only; not part of login JB67744)
15:50	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:53	MP79852-MB1	1		
15:54	MP79852-B1	1		
15:55	MP79852-S1	1		
15:57	MP79852-S2	1		
15:58	JB67268-2A	1		(sample used for QC only; not part of login JB67744)
16:00	MP79822-MB2	1		
16:01	MA34150-CCV10	1		
16:02	MA34150-CCB11	1		
16:04	MP79822-LC1	1		
16:12	ZZZZZZ	1		
16:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34150
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:14	MA34150-CCV11	1		
16:16	MA34150-CCB12	1		
16:30	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:33	MP79838-S1	1		
16:34	MP79838-S2	1		
16:36	MA34150-CCV12	1		
16:37	MA34150-CCB13	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34150 Units: ug/l

Time: / Sample ID:			12:14 ICB1		12:17 CCB1		12:45 CCB2		13:03 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.036	<0.20	-0.030	<0.20	0.0030	<0.20	-0.014	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34150 Units: ug/l

Time:			13:28	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Mercury	0.20	.038	0.037	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 95 to 105 % Recovery Run ID: MA34150 Units: ug/l

Time:		12:15	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Mercury	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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34150 Units: ug/l

Time:		12:13			12:44			13:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.8	93.3	2.5	2.4	96.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.3 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34150 Units: ug/l

Time:		13:26	
Sample ID:	CCV	CCV3	
Metal	True	Results	% Rec
Mercury	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5060314W1.CSV Date Analyzed: 06/03/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA34150 Units: ug/l

Time:			12:18		13:18	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.22	110.0	0.22	110.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34169
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:00	MA34169-STD1	1		STDA
11:01	MA34169-STD2	1		STDB
11:02	MA34169-STD3	1		STDC
11:03	MA34169-STD4	1		STDD
11:05	MA34169-STD5	1		STDE
11:06	MA34169-STD6	1		STDF
11:09	MA34169-ICV1	1		
11:11	MA34169-ICB1	1		
11:12	MA34169-CCV1	1		
11:14	MA34169-CCB1	1		
11:15	MA34169-CRI1	1		
11:58	MP79882-MB1	1		
11:59	MP79882-LC1	2		
12:01	MP79882-S1	1		
12:03	MP79882-S2	1		
12:04	JB68163-10	1		(sample used for QC only; not part of login JB67744)
12:06	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:09	MA34169-CCV2	1		
12:11	MA34169-CCB2	1		
12:12	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:16	JB67744-1	1		
12:17	JB67744-2	1		
12:19	JB67744-3	1		
12:20	JB67744-4	1		
12:22	JB67744-5	10		See rerun without dilution
12:23	JB67744-8	1		
12:24	JB67744-9	1		
12:26	MA34169-CCV3	1		
12:27	MA34169-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34169
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:29	JB67744-10	1		
12:30	JB67744-12	1		
12:31	JB67744-13	1		
12:33	JB67744-14	1		
12:34	JB67744-15	1		
12:36	ZZZZZZ	1		
12:37	MP79883-MB1	1		
12:38	MP79883-LC1	2		
12:40	MP79883-S1	1		
12:41	MP79883-S2	1		
12:43	MA34169-CCV4	1		
12:44	MA34169-CCB4	1		
12:46	JB67815-5	1		(sample used for QC only; not part of login JB67744)
12:47	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:55	ZZZZZZ	1		
12:56	ZZZZZZ	1		
12:58	MA34169-CCV5	1		
12:59	MA34169-CCB5	1		
13:00	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:03	ZZZZZZ	20		
13:04	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:07	ZZZZZZ	20		
13:08	ZZZZZZ	20		
13:10	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:13	MA34169-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34169
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:15	MA34169-CCB6	1		
13:16	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:19	JB67744-5	1		
---------->	Last reportable sample/prep for job JB67744			
13:21	ZZZZZZ	1		
13:22	ZZZZZZ	100		
13:24	ZZZZZZ	100		
13:25	ZZZZZZ	5		
13:30	MP79884-MB1	1		
13:32	MP79884-LC1	2		
13:33	MA34169-CCV7	1		
13:34	MA34169-CCB7	1		
---------->	Last reportable CCB for job JB67744			
13:36	MP79884-S1	1		
13:37	MP79884-S2	1		
13:39	JB67815-12	1		(sample used for QC only; not part of login JB67744)
13:40	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:49	MA34169-CCV8	1		
13:50	MA34169-CCB8	1		
13:51	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:56	ZZZZZZ	1		
13:57	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:05	MA34169-CCV9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34169
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:06	MA34169-CCB9	1		
14:08	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:48	MP79885-MB1	1		
14:49	MP79885-LC1	2		
14:52	MP79885-S1	1		
14:53	MP79885-S2	1		
14:55	JB67991-4	1		(sample used for QC only; not part of login JB67744)
14:56	MA34169-CCV10	1		
14:58	MA34169-CCB10	1		
15:00	MP79885-S3	1		
15:01	MP79885-S4	1		
15:03	JB67991-17	1		(sample used for QC only; not part of login JB67744)
15:04	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:14	MA34169-CCV11	1		
15:15	MA34169-CCB11	1		
15:17	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:29	MA34169-CCV12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34169
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:31	MA34169-CCB12	1		
15:36	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	2		
15:44	ZZZZZZ	5		
15:46	ZZZZZZ	5		
15:47	ZZZZZZ	5		
15:49	MA34169-CCV13	1		
15:50	MA34169-CCB13	1		
15:52	MP79885-S2	5		
15:53	JB67991-4	5		(sample used for QC only; not part of login JB67744)
15:56	ZZZZZZ	2		
15:57	ZZZZZZ	5		
15:59	ZZZZZZ	20		
16:00	ZZZZZZ	5		
16:08	MP79885-S1	5		
16:09	ZZZZZZ	5		
16:12	MA34169-CCV14	1		
16:14	MA34169-CCB14	1		
16:23	MP79885-S2	5		
16:24	ZZZZZZ	5		
16:34	MA34169-CCV15	1		
16:36	MA34169-CCB15	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34169 Units: ug/l

Time: / Sample ID:			11:11 ICB1		11:14 CCB1		12:11 CCB2		12:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.034	<0.20	-0.028	<0.20	-0.037	<0.20	-0.034	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34169 Units: ug/l

Time: / Sample ID:			12:44 CCB4		12:59 CCB5		13:15 CCB6		13:34 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.033	<0.20	-0.027	<0.20	-0.037	<0.20	-0.030	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34169 Units: ug/l

Time:		11:09			11:12			12:09	
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

10.6.2
10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34169 Units: ug/l

Time:		12:26			12:43			12:58	
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	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34169 Units: ug/l

Time:		13:13			13:33	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7060514S1.CSV Date Analyzed: 06/05/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34169 Units: ug/l

Time:			11:15	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.19	95.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.3 10

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79733
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	6.7	11	-21	<200
Antimony	6.0	1.3	2.6	-0.90	<6.0
Arsenic	3.0	1.2	2.6	-1.2	<3.0
Barium	200	.2	1	0.30	<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	34.2	<5000
Chromium	10	.3	.89	0.0	<10
Cobalt	50	.4	.83	-0.20	<50
Copper	10	.5	1.2	0.50	<10
Iron	100	3.8	12	-5.3	<100
Lead	3.0	1.3	1.3	-0.50	<3.0
Lithium	20	.8	2.8		
Magnesium	5000	12	41	-21	<5000
Manganese	15	.04	.48	0.10	<15
Molybdenum	20	.5	1.1		
Nickel	10	.7	.75	-0.80	<10
Palladium	50	1	3.2		
Potassium	10000	17	50	-14	<10000
Selenium	10	2	3.6	-1.1	<10
Silicon	200	8.4	24		
Silver	10	.3	1.2	0.30	<10
Sodium	10000	7.1	19	51.0	<10000
Sulfur	50	4.4	10		
Strontium	10	.09	.76		
Thallium	2.0	1.4	1.8	-0.40	<2.0
Tin	10	.8	3.6		
Titanium	10	.4	.93		
Tungsten	50	11	14		
Vanadium	50	.3	.87	-0.20	<50
Zinc	20	1.5	7.6	5.2	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79733
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.6	1.9		

Associated samples MP79733: JB67744-6, JB67744-11

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79733
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			05/28/14				05/28/14	
Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits	BSP Result	Spikelot MPIOW9	% Rec	QC Limits
Aluminum	4770	5000	95.4	80-120	2030	2000	101.5	80-120
Antimony	473	500	94.6	80-120	498	500	99.6	80-120
Arsenic	489	500	97.8	80-120	2060	2000	103.0	80-120
Barium	503	500	100.6	80-120	2100	2000	105.0	80-120
Beryllium	516	500	103.2	80-120	55.5	50	111.0	80-120
Bismuth								
Boron								
Cadmium	502	500	100.4	80-120	52.5	50	105.0	80-120
Calcium	5590	5500	101.6	80-120	25200	25000	100.8	80-120
Chromium	505	500	101.0	80-120	213	200	106.5	80-120
Cobalt	465	500	93.0	80-120	496	500	99.2	80-120
Copper	461	500	92.2	80-120	244	250	97.6	80-120
Iron	5590	5500	101.6	80-120	1090	1000	109.0	80-120
Lead	492	500	98.4	80-120	514	500	102.8	80-120
Lithium								
Magnesium	5430	5500	98.7	80-120	25600	25000	102.4	80-120
Manganese	519	500	103.8	80-120	542	500	108.4	80-120
Molybdenum								
Nickel	498	500	99.6	80-120	526	500	105.2	80-120
Palladium								
Potassium	9810	10000	98.1	80-120	25100	25000	100.4	80-120
Selenium	514	500	102.8	80-120	2170	2000	108.5	80-120
Silicon								
Silver	190	200	95.0	80-120	52.1	50	104.2	80-120
Sodium	9800	10000	98.0	80-120	24900	25000	99.6	80-120
Sulfur								
Strontium								
Thallium	509	500	101.8	80-120	2100	2000	105.0	80-120
Tin								
Titanium								
Tungsten								
Vanadium	484	500	96.8	80-120	512	500	102.4	80-120
Zinc	540	500	108.0	80-120	566	500	113.2	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79733
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		05/28/14				05/28/14	
Metal	LCS Result	Spikelot MPLCW3 % Rec	QC Limits	BSP Result	Spikelot MPIOW9 % Rec	QC Limits
Zirconium						

Associated samples MP79733: JB67744-6, JB67744-11

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.58	1.3	1.5	<50
Antimony	2.0	.079	.27	0.050	<2.0
Arsenic	2.0	.079	.29	-0.030	<2.0
Barium	20	.03	.079	0.040	<20
Beryllium	0.20	.0089	.02	0.0099	<0.20
Bismuth	2.0	.14	.23		
Boron	9.9	.069	.18		
Cadmium	0.50	.02	.05	0.020	<0.50
Calcium	500	.86	3	-0.37	<500
Chromium	0.99	.03	.069	0.0099	<0.99
Cobalt	5.0	.03	.059	0.0	<5.0
Copper	2.5	.22	.15	-0.099	<2.5
Iron	50	.54	.95	1.8	<50
Lead	2.0	.089	.21	0.059	<2.0
Lithium	2.0	.099	.2		
Magnesium	500	1.8	3.3	1.6	<500
Manganese	1.5	.02	.059	0.030	<1.5
Molybdenum	2.0	.04	.069		
Nickel	4.0	.04	.099	0.020	<4.0
Palladium	5.0	.17	.26		
Potassium	990	3.7	4	1.8	<990
Selenium	2.0	.17	.33	0.12	<2.0
Silicon	20	.53	3.9		
Silver	0.50	.03	.14	-0.020	<0.50
Sodium	990	.6	1.9	0.030	<990
Strontium	0.99	.0099	.03		
Sulfur	5.0	.43	1		
Thallium	0.99	.13	.41	0.15	<0.99
Tin	5.0	.059	1.2		
Titanium	0.99	.03	.099		
Tungsten	5.0	.57	4.4		
Vanadium	5.0	.03	.089	0.020	<5.0
Zinc	2.0	.04	.38	-0.069	<2.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/29/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.03	.26		

Associated samples MP79752: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	JB67702-1A Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	8450	15800	6120	120.1	75-125
Antimony	0.44	69.1	113	60.6N(a)	75-125
Arsenic	3.9	444	454	97.0	75-125
Barium	47.1	518	454	103.8	75-125
Beryllium	0.57	12.4	11.3	104.3	75-125
Bismuth					
Boron					
Cadmium	0.15	11.7	11.3	101.9	75-125
Calcium	3600	4170	1420	40.2N(a)	75-125
Chromium	17.0	64.5	45.4	104.7	75-125
Cobalt	4.6	114	113	96.5	75-125
Copper	20.2	77.9	56.7	101.8	75-125
Iron	14100	20900	5900	115.3	75-125
Lead	36.3	141	113	92.3	75-125
Lithium					
Magnesium	3150	3870	1420	50.8N(a)	75-125
Manganese	269	349	113	70.6N(a)	75-125
Molybdenum					
Nickel	9.5	121	113	98.3	75-125
Palladium					
Potassium	1170	2610	1420	101.6	75-125
Selenium	0.40	457	454	100.7	75-125
Silicon					
Silver	0.0	12.9	11.3	113.8	75-125
Sodium	344	1640	1420	91.4	75-125
Strontium					
Sulfur					
Thallium	0.40	468	454	103.1	75-125
Tin					
Titanium					
Tungsten					
Vanadium	23.9	132	113	95.3	75-125
Zinc	70.9	154	113	73.3N(a)	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	JB67702-1A Original MS	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP79752: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	JB67702-1A Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	8450	14500	6250	96.8	8.6	20
Antimony	0.44	67.4	116	57.9N(a)	2.5	20
Arsenic	3.9	430	463	92.1	3.2	20
Barium	47.1	503	463	98.5	2.9	20
Beryllium	0.57	12.0	11.6	98.8	3.3	20
Bismuth						
Boron						
Cadmium	0.15	11.3	11.6	96.4	3.5	20
Calcium	3600	4590	1450	68.5N(a)	9.6	20
Chromium	17.0	60.4	46.3	93.8	6.6	20
Cobalt	4.6	112	116	92.8	1.8	20
Copper	20.2	69.6	57.8	85.4	11.3	20
Iron	14100	18000	6020	64.8N(a)	14.9	20
Lead	36.3	139	116	88.8	1.4	20
Lithium						
Magnesium	3150	4060	1450	62.9N(a)	4.8	20
Manganese	269	348	116	68.3N(a)	0.3	20
Molybdenum						
Nickel	9.5	118	116	93.8	2.5	20
Palladium						
Potassium	1170	2480	1450	90.6	5.1	20
Selenium	0.40	443	463	95.6	3.1	20
Silicon						
Silver	0.0	12.5	11.6	108.0	3.1	20
Sodium	344	1580	1450	85.5	3.7	20
Strontium						
Sulfur						
Thallium	0.40	458	463	98.9	2.2	20
Tin						
Titanium						
Tungsten						
Vanadium	23.9	126	116	88.3	4.7	20
Zinc	70.9	151	116	69.2N(a)	2.0	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/29/14

Metal	JB67702-1A Original MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP79752: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			05/29/14				05/29/14	
Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits	LCS Result	Spikelot MPLC54082	% Rec	QC Limits
Aluminum	5570	5290	105.2	80-120	10100	8740	115.6	54-146
Antimony	98.5	98	100.5	80-120	99.9	108	92.5	2-215
Arsenic	404	392	103.0	80-120	134	151	88.7	81-120
Barium	424	392	108.1	80-120	240	262	91.6	83-117
Beryllium	11.0	9.8	112.2	80-120	122	133	91.7	82-118
Bismuth								
Boron								
Cadmium	10.1	9.8	103.0	80-120	134	152	88.2	82-118
Calcium	1280	1230	104.4	80-120	5870	6400	91.7	82-118
Chromium	42.9	39.2	109.4	80-120	112	117	95.7	79-121
Cobalt	100	98	102.0	80-120	62.4	68.7	90.8	83-117
Copper	50.4	49	102.8	80-120	59.2	68.6	86.3	81-119
Iron	5470	5100	107.3	80-120	13600	12300	110.6	40-160
Lead	104	98	106.1	80-120	238	254	93.7	81-119
Lithium								
Magnesium	1320	1230	107.7	80-120	3600	3600	100.0	77-123
Manganese	111	98	113.2	80-120	548	563	97.3	81-118
Molybdenum								
Nickel	105	98	107.1	80-120	296	315	94.0	82-118
Palladium								
Potassium	1320	1230	107.7	80-120	3170	3040	104.3	70-130
Selenium	411	392	104.8	80-120	149	162	92.0	77-122
Silicon								
Silver	11.2	9.8	114.2	80-120	41.5	44.3	93.7	74-126
Sodium	1320	1230	107.7	80-120	710	746	95.2	72-128
Strontium								
Sulfur								
Thallium	421	392	107.4	80-120	249	259	96.1	79-122
Tin								
Titanium								
Tungsten								
Vanadium	103	98	105.1	80-120	112	116	96.6	77-122
Zinc	106	98	108.1	80-120	290	306	94.8	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:		05/29/14				05/29/14		
Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits	LCS Result	Spikelot MPLC54082	% Rec	QC Limits
Zirconium								

Associated samples MP79752: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/14

Metal	JB67702-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum	71500	71100	0.6	0-10
Antimony	3.70	5.40	45.9 (a)	0-10
Arsenic	33.3	37.1	11.4 (a)	0-10
Barium	399	417	4.7	0-10
Beryllium	4.80	4.80	0.0	0-10
Bismuth				
Boron				
Cadmium	1.30	1.70	30.8 (a)	0-10
Calcium	30500	30800	1.1	0-10
Chromium	144	148	2.4	0-10
Cobalt	38.7	39.8	2.8	0-10
Copper	171	175	2.1	0-10
Iron	120000	123000	2.6	0-10
Lead	307	302	1.5	0-10
Lithium				
Magnesium	26700	26300	1.5	0-10
Manganese	2280	2330	2.3	0-10
Molybdenum				
Nickel	80.6	82.2	2.0	0-10
Palladium				
Potassium	9910	10200	3.2	0-10
Selenium	3.40	12.8	276.5(a)	0-10
Silicon				
Silver	0.00	3.40	NC	0-10
Sodium	2910	2790	4.2	0-10
Strontium				
Sulfur				
Thallium	3.40	15.1	344.1(a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	203	205	1.3	0-10
Zinc	601	610	1.6	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79752
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/14

Metal	JB67702-1A Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP79752: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79837
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.038	.064	0.041	<0.20

Associated samples MP79837: JB67744-6, JB67744-11

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79837
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	JB67938-1 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.0	8.3	60	13.8N(a)	75-125

Associated samples MP79837: JB67744-6, JB67744-11

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
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79837
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	JB67938-1 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	9.7	60	16.2N(a)	15.6	20

Associated samples MP79837: JB67744-6, JB67744-11

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
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79837
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	1.9	2	95.0	80-120

Associated samples MP79837: JB67744-6, JB67744-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79837
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/03/14

Metal	Sample ml	Final ml	JB67938-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Mercury	15	15.7			1.8547	1	0.03	1.910828	97.1	85-115

Associated samples MP79837: JB67744-6, JB67744-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79882 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/05/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.004	.0075	0.00070	<0.033

Associated samples MP79882: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79882
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/05/14

Metal	JB68163-10 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	0.34	0.337	101.0	75-125

Associated samples MP79882: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79882 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/05/14

Metal	JB68163-10 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.33	0.348	94.8	3.0	20

Associated samples MP79882: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

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: JB67744
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79882
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/05/14

Metal	LCS Result	Spikelot HGLCS54082% Rec		QC Limits
Mercury	4.8	5.76	83.3	71-129

Associated samples MP79882: JB67744-1, JB67744-2, JB67744-3, JB67744-4, JB67744-5, JB67744-8, JB67744-9, JB67744-10, JB67744-12, JB67744-13, JB67744-14, JB67744-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG5 **Effective Date:** 03/17/14

Analyte	IDL ug/l
Mercury	.038

The above applies to the following instrument runs:
MA34150

Instrument Detection Limits

Job Number: JB67744
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:
MA34169

Instrument Detection Limits

Job Number: JB67744
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:
MA34110

Instrument Detection Limits

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 03/13/14

Analyte	IDL ug/l
Aluminum	5.9
Antimony	.8
Arsenic	.8
Barium	.3
Beryllium	.09
Bismuth	1.4
Boron	.7
Cadmium	.2
Calcium	8.7
Chromium	.3
Cobalt	.3
Copper	2.2
Iron	5.5
Lead	.9
Lithium	1
Magnesium	18.5
Manganese	.2
Molybdenum	.4
Nickel	.4
Palladium	1.7
Potassium	36.9
Selenium	1.7
Silicon	5.4
Silver	.3
Sodium	6.1
Sulfur	4.3
Strontium	.1
Thallium	1.3
Tin	.6
Titanium	.3
Tungsten	5.8
Vanadium	.3
Zinc	.4
Zirconium	.3

The above applies to the following instrument runs:
MA34133,MA34141

Instrument Detection Limits

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE4 **Effective Date:** 03/24/14

Analyte	IDL ug/l
Aluminum	20.9
Antimony	1.1
Arsenic	1.3
Barium	.6
Beryllium	.2
Bismuth	2
Boron	1
Cadmium	.3
Calcium	10.7
Chromium	.5
Cobalt	.3
Copper	.5
Iron	11.5
Lead	1.4
Lithium	2.1
Magnesium	107.8
Manganese	.1
Molybdenum	.3
Nickel	.5
Palladium	2.2
Potassium	44.2
Selenium	1.7
Silicon	4.9
Silver	.5
Sodium	12
Sulfur	4.9
Strontium	.3
Thallium	1.8
Tin	1
Titanium	.6
Tungsten	2.9
Vanadium	.6
Zinc	2.7
Zirconium	.2

The above applies to the following instrument runs:
MA34130

Instrument Linear Ranges

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG5 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34150

Instrument Linear Ranges

Job Number: JB67744
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:
MA34169

Instrument Linear Ranges

Job Number: JB67744
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:
MA34110

Instrument Linear Ranges

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 01/29/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	25000
Arsenic	10000
Barium	50000
Beryllium	10000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	25000
Copper	50000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	500000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	500000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	500000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	50000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34133,MA34141

Instrument Linear Ranges

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE4 **Effective Date:** 02/26/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	400000
Lead	50000
Lithium	50000
Magnesium	500000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	500000
Sulfur	100000
Strontium	50000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	25000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34130

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 5/28/2014 9:24:47 Type: Cal
Method: Accutest1(v77) 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	**.0004**	**.0000**	**.0010**	**-.0004**	**.0000**	**.0042**	**.0001**	**.0011**	**-.0001**
Stddev	.0000	.000	.0000	.0000	.000	.0000	.0000	.0001	.0000
%RSD	1.462	7.780	1.172	10.06	77.64	.3798	2.797	6.261	7.695
#1	.0004	.0000	.0010	-.0004	.0000	.0042	.0001	.0011	-.0001
#2	.0004	.0000	.0010	-.0005	.0000	.0042	.0001	.0012	-.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	**-.0001**	**.0000**	**-.0004**	**-.0004**	**-.0003**	**.0002**	**.0005**	**.0006**	**.0072**
Stddev	.0000	.000	.0002	.0000	.0001	.0002	.0001	.0001	.0001
%RSD	27.42	414.5	43.95	.1361	21.70	88.23	19.72	8.753	2.077
#1	.0000	-.0001	-.0003	-.0004	-.0003	.0004	.0006	.0007	.0073
#2	-.0001	.0000	-.0005	-.0004	-.0002	.0001	.0005	.0006	.0071

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	**.0007**	**.0001**	**-.0019**	**.0004**	**.0006**	**.0008**	**-.0001**	**.0093**	**.0004**
Stddev	.0000	.0000	.0001	.0001	.0000	.0001	.0000	.0002	.0000
%RSD	2.569	13.72	7.419	16.51	1.087	7.446	3.607	1.863	11.12
#1	.0007	.0001	-.0020	.0003	.0006	.0009	-.0001	.0094	.0004
#2	.0007	.0001	-.0018	.0004	.0006	.0008	-.0001	.0092	.0003

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	**-.0005**	**-.0002**	**.0023**	**-.0001**	**-.0030**	**-.0035**	**.0008**
Stddev	.0000	.0000	.0002	.0000	.0000	.0001	.0002
%RSD	6.914	4.306	7.452	65.50	.8315	3.288	22.00
#1	-.0005	-.0002	.0022	-.0001	-.0030	-.0035	.0007
#2	-.0005	-.0002	.0024	.0000	-.0030	-.0034	.0009

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 5/28/2014 9:24:47 Type: Cal
Method: Accutest1(v77) 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	**168700.**	**36799.**	**2187.6**	**6426.6**
Stddev	406.	55.	18.2	46.3
%RSD	.24060	.15047	.82998	.72058
#1	168410.	36839.	2174.7	6393.8
#2	168990.	36760.	2200.4	6459.3

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 5/28/2014 9:30:49 Type: Cal
Method: Accutest1(v77) 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	**5.991**	**11.42**	**4.498**	**1.737**	**.2963**	**.9959**	**1.567**	**1.330**	**.0585**
Stddev	.003	.07	.015	.006	.0006	.0022	.019	.005	.0000
%RSD	.0483	.6392	.3374	.3293	.2025	.2255	1.233	.4124	.0234
#1	5.989	11.47	4.487	1.733	.2959	.9975	1.554	1.327	.0585
#2	5.993	11.37	4.508	1.741	.2967	.9943	1.581	1.334	.0585

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	**.5162**	**3.500**	**.6857**	**.1761**	**.5656**	**.4522**	**.9972**	**2.098**	**5.009**
Stddev	.0006	.015	.0015	.0003	.0025	.0012	.0008	.001	.011
%RSD	.1201	.4352	.2141	.1954	.4432	.2586	.0812	.0276	.2141
#1	.5157	3.490	.6847	.1759	.5638	.4514	.9966	2.098	5.016
#2	.5166	3.511	.6868	.1764	.5673	.4530	.9977	2.098	5.001

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	**3.512**	**.4755**	**1.285**	**5.080**	**1.102**	**4.162**	**.1970**	**3.151**	**.7454**
Stddev	.010	.0018	.002	.002	.003	.015	.0002	.006	.0022
%RSD	.2824	.3710	.1186	.0438	.3099	.3521	.1205	.1981	.2913
#1	3.519	.4767	1.284	5.078	1.100	4.151	.1972	3.147	.7439
#2	3.505	.4742	1.286	5.081	1.105	4.172	.1968	3.155	.7469

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	**10.51**	**.5115**	**1.726**	**1.074**	**.2510**	**1.399**	**2.125**
Stddev	.05	.0017	.026	.004	.0005	.003	.002
%RSD	.4314	.3275	1.489	.3589	.1995	.2444	.1099
#1	10.54	.5103	1.708	1.071	.2506	1.397	2.123
#2	10.48	.5127	1.744	1.077	.2513	1.402	2.126

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 5/28/2014 9:30:49 Type: Cal
Method: Accutest1(v77) 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	**154440.**	**34840.**	**2015.0**	**5674.0**
Stddev	513.	83.	3.6	11.1
%RSD	.33224	.23950	.17988	.19584
#1	154800.	34781.	2017.6	5681.9
#2	154080.	34899.	2012.5	5666.2

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 5/28/2014 9:36:54 Type: QC
Method: Accutest1(v77) 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	**2.061**	**2.114**	**2.011**	**2.007**	**1.992**	**1.928**	**2.060**	**2.034**	**.2435**
Stddev	.039	.038	.012	.009	.125	.130	.127	.008	.0147
%RSD	1.912	1.799	.5860	.4579	6.277	6.740	6.170	.3828	6.021
#1	2.033	2.087	2.019	2.014	1.903	1.836	1.970	2.040	.2331
#2	2.089	2.141	2.002	2.001	2.080	2.020	2.150	2.029	.2538
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	**1.966**	**2.046**	**1.996**	**2.065**	**2.027**	**1.987**	**1.992**	**40.80**	**41.39**
Stddev	.123	.009	.017	.014	.009	.019	.016	.70	.84
%RSD	6.232	.4282	.8440	.6661	.4248	.9343	.8248	1.724	2.021
#1	1.879	2.052	2.008	2.074	2.034	2.000	2.003	40.31	40.79
#2	2.052	2.040	1.984	2.055	2.021	1.974	1.980	41.30	41.98
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	**41.64**	**40.76**	**40.84**	**41.01**	**2.010**	**2.029**	**1.925**	**5.010**	**2.044**
Stddev	.81	.75	.65	.69	.011	.009	.128	.038	.009
%RSD	1.939	1.846	1.586	1.686	.5641	.4613	6.667	.7668	.4588
#1	41.07	40.23	40.38	40.52	2.018	2.035	1.835	5.037	2.051
#2	42.21	41.29	41.30	41.50	2.002	2.022	2.016	4.983	2.037
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: 5/28/2014 9:36:54 Type: QC
Method: Accutest1(v77) 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	**2.120**	**1.984**	**2.098**	**1.996**	**1.955**	**1.993**	**2.052**
Stddev	.036	.126	.002	.125	.010	.016	.037
%RSD	1.706	6.351	.0706	6.260	.4974	.8166	1.789
#1	2.094	1.895	2.097	1.908	1.962	2.005	2.026
#2	2.146	2.073	2.100	2.085	1.948	1.982	2.078
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	**161150.**	**34432.**	**2073.9**	**5881.4**
Stddev	8663.	574.	11.6	27.5
%RSD	5.3758	1.6677	.55707	.46774
#1	167280.	34838.	2065.8	5862.0
#2	155030.	34026.	2082.1	5900.9

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 5/28/2014 9:42:45 Type: QC
Method: Accutest1(v77) 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**	**.0006**	**.0002**	**.0002**	**.0002**	**.0006**	**.0004**	**.0001**
Stddev	.0000	.0001	.0001	.0003	.0002	.0000	.0001	.0002
%RSD	6.581	10.40	42.04	134.5	67.66	6.345	13.93	166.2
#1	.0006	.0006	.0003	.0004	.0001	.0006	.0004	.0000
#2	.0006	.0005	.0002	.0000	.0004	.0006	.0003	.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**	**.0003**	**-.0018**	**.0007**	**.0005**	**.0002**	**-.0054**	**.0008**
Stddev	.0001	.0002	.0001	.0008	.0002	.0010	.0001	.0006
%RSD	207.8	47.34	5.484	117.4	39.81	489.8	2.716	68.15
#1	.0002	.0004	-.0018	.0012	.0006	.0009	-.0056	.0004
#2	.0000	.0002	-.0017	.0001	.0003	-.0005	-.0053	.0012
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	**-.0125**	**-.0122**	**-.0005**	**-.0219**	**.0376**	**.0204**	**.0017**	**.0017**
Stddev	.0054	.0031	.0016	.0005	.0014	.0006	.0001	.0003
%RSD	43.07	25.48	291.5	2.356	3.722	2.888	7.871	17.88
#1	-.0087	-.0100	.0006	-.0216	.0366	.0208	.0018	.0019
#2	-.0163	-.0144	-.0016	-.0223	.0386	.0200	.0016	.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: 5/28/2014 9:42:45 Type: QC
Method: Accutest1(v77) 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**	**.0010**	**.0006**	**.0006**	**.0005**	W **.0341**	W **.0011**	**.0008**
Stddev	.0006	.0006	.0001	.0001	.0001	.0028	.0002	.0004
%RSD	201.4	59.73	21.43	12.05	22.75	8.266	16.50	46.96
#1	.0001	.0006	.0005	.0006	.0006	.0360	.0012	.0010
#2	-.0008	.0014	.0007	.0005	.0004	.0321	.0010	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0266	.0011	
Low Limit						-.0266	-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**.0018**
Stddev	.0001	.0001
%RSD	46.25	4.506
#1	-.0003	.0019
#2	-.0001	.0018
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	**167210.**	**36369.**	**2176.6**	**6390.6**
Stddev	71.	180.	18.5	46.7
%RSD	.04250	.49552	.85068	.73066
#1	167160.	36241.	2189.7	6423.6
#2	167260.	36496.	2163.5	6357.6

Zoom In Zoom Out

Sample Name: icv Acquired: 5/28/2014 9:51:38 Type: QC
Method: Accutest1(v77) 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	**2.019**	**2.034**	**1.999**	**1.961**	**2.006**	**1.932**	**2.061**	**2.016**	**.2530**
Stddev	.005	.004	.015	.014	.007	.004	.007	.012	.0006
%RSD	.2675	.2000	.7367	.6995	.3525	.1877	.3427	.5879	.2436
#1	2.023	2.038	2.006	1.970	1.998	1.932	2.053	2.025	.2523
#2	2.012	2.033	2.009	1.969	2.009	1.928	2.064	2.020	.2531
#3	2.021	2.031	1.982	1.946	2.011	1.935	2.066	2.003	.2535
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	**1.939**	**2.021**	**2.018**	**2.032**	**1.997**	**1.956**	**1.970**	**39.48**	**40.67**
Stddev	.005	.013	.017	.015	.011	.017	.018	.06	.13
%RSD	.2482	.6650	.8210	.7494	.5380	.8543	.8949	.1590	.3260
#1	1.934	2.032	2.025	2.039	2.005	1.962	1.976	39.55	40.82
#2	1.941	2.025	2.029	2.042	2.001	1.969	1.983	39.42	40.63
#3	1.943	2.006	1.999	2.014	1.985	1.937	1.950	39.47	40.56
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	**41.09**	**40.78**	**40.26**	**40.06**	**2.035**	**1.953**	**1.960**	**5.076**	**2.025**
Stddev	.12	.16	.07	.07	.017	.016	.001	.036	.016
%RSD	.2858	.3844	.1848	.1671	.8504	.7975	.0299	.7128	.7827
#1	41.22	40.96	40.34	40.13	2.040	1.960	1.961	5.095	2.035
#2	41.01	40.69	40.24	40.00	2.048	1.964	1.960	5.099	2.034
#3	41.03	40.68	40.19	40.05	2.015	1.935	1.961	5.034	2.007
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: 5/28/2014 9:51:38 Type: QC
Method: Accutest1(v77) 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	**2.053**	**2.025**	F **2.272**	**2.078**	**1.914**	**2.083**	**1.997**
Stddev	.005	.005	.024	.002	.019	.015	.006
%RSD	.2274	.2500	1.071	.1015	1.005	.7160	.2889
#1	2.057	2.020	2.286	2.075	1.919	2.084	2.001
#2	2.048	2.028	2.285	2.079	1.929	2.098	1.991
#3	2.055	2.028	2.243	2.079	1.892	2.068	2.000
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	**159370.**	**35416.**	**2069.7**	**5885.6**
Stddev	303.	128.	15.8	38.0
%RSD	.19021	.36028	.76100	.64573
#1	159700.	35285.	2066.8	5874.1
#2	159280.	35424.	2055.6	5854.7
#3	159120.	35540.	2086.7	5928.1

Zoom In Zoom Out

Sample Name: icb Acquired: 5/28/2014 10:06:45 Type: QC
Method: Accutest1(v77) 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**	**.0000**	**.0000**	**.0000**	**.0003**	**.0001**	**.0000**	**.0001**
Stddev	.0000	.0000	.000	.000	.0001	.0003	.0000	.000	.0001
%RSD	21.10	5.514	49930.	270.2	267.6	87.21	28.04	514.6	66.68
#1	.0002	.0000	.0001	.0000	.0001	.0001	.0001	.0001	.0002
#2	.0002	.0000	-.0001	-.0001	.0000	.0006	.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	**.0000**	**-.0009**	**.0004**	**.0007**	**-.0001**	**-.0028**	**-.0002**	**-.0224**	**-.0211**
Stddev	.0002	.0001	.0002	.0009	.0001	.0022	.0001	.0021	.0000
%RSD	465.7	9.578	47.77	122.0	70.19	76.88	46.51	9.158	.1513
#1	.0001	-.0009	.0003	.0014	.0000	-.0044	-.0001	-.0239	-.0211
#2	-.0001	-.0008	.0006	.0001	-.0001	-.0013	-.0002	-.0210	-.0210
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	**-.0110**	**-.0329**	**.0068**	**.0054**	**.0015**	**.0005**	**.0003**	**.0000**	**.0002**
Stddev	.0001	.0075	.0064	.0010	.0000	.0001	.0001	.0001	.0002
%RSD	.7053	22.90	94.95	18.24	1.674	24.26	16.52	257.7	105.0
#1	-.0111	-.0382	.0022	.0047	.0016	.0006	.0003	.0000	.0000
#2	-.0110	-.0275	.0113	.0061	.0015	.0004	.0004	.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									

Zoom In Zoom Out

Sample Name: icb Acquired: 5/28/2014 10:06:45 Type: QC
Method: Accutest1(v77) 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**	**.0115**	**.0003**	**.0014**	**.0005**	**.0010**
Stddev	.0000	.0001	.0001	.0001	.0018	.0004	.0005
%RSD	20.62	48.29	.9112	26.57	133.7	82.85	55.58
#1	.0001	.0003	.0116	.0002	.0026	.0002	.0014
#2	.0001	.0001	.0114	.0003	.0001	.0009	.0006
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	**165220.**	**35741.**	**2191.0**	**6446.0**
Stddev	4005.	61.	4.5	11.2
%RSD	2.4239	.16965	.20591	.17327
#1	168050.	35698.	2194.2	6453.9
#2	162390.	35784.	2187.8	6438.1

Zoom In Zoom Out

Sample Name: iccv Acquired: 5/28/2014 10:12:31 Type: QC
Method: Accutest1(v77) 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	**1.964**	**2.014**	**2.004**	**1.996**	**2.030**	**1.954**	F **2.102**	**2.025**	**.2462**
Stddev	.006	.006	.011	.011	.066	.069	.068	.012	.0080
%RSD	.3079	.3135	.5588	.5674	3.233	3.552	3.249	.5756	3.237
#1	1.963	2.014	2.004	1.999	2.114	2.041	2.188	2.028	.2561
#2	1.967	2.011	1.998	1.989	1.988	1.909	2.057	2.017	.2408
#3	1.956	2.009	2.020	2.011	1.970	1.889	2.038	2.040	.2389
#4	1.970	2.023	1.995	1.986	2.049	1.978	2.125	2.015	.2492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**2.034**	**1.989**	**2.071**	**2.019**	**1.978**	**1.982**	**38.86**	**39.36**
Stddev	.066	.012	.011	.013	.011	.013	.011	.11	.12
%RSD	3.299	.5811	.5310	.6453	.5409	.6603	.5643	.2821	.3165
#1	2.083	2.040	1.987	2.070	2.020	1.982	1.981	38.83	39.43
#2	1.956	2.027	1.986	2.072	2.012	1.978	1.977	38.83	39.30
#3	1.939	2.048	2.004	2.088	2.035	1.992	1.998	38.77	39.21
#4	2.020	2.022	1.979	2.055	2.011	1.961	1.972	39.02	39.49
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: 5/28/2014 10:12:31 Type: QC
Method: Accutest1(v77) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.59**	**38.80**	**39.08**	**39.13**	**2.003**	**2.019**	**1.950**	**4.981**	**2.038**
Stddev	.13	.10	.12	.11	.009	.011	.072	.028	.012
%RSD	.3284	.2627	.3053	.2830	.4238	.5193	3.690	.5578	.5654
#1	39.64	38.79	39.04	39.09	2.000	2.017	2.041	4.979	2.038
#2	39.53	38.73	39.02	39.09	1.998	2.014	1.903	4.967	2.033
#3	39.45	38.74	39.00	39.04	2.015	2.034	1.882	5.021	2.055
#4	39.75	38.95	39.26	39.29	1.997	2.010	1.972	4.958	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.021**	**2.026**	**2.084**	**2.033**	**1.954**	**1.984**	**1.952**
Stddev	.005	.066	.019	.068	.013	.009	.009
%RSD	.2480	3.254	.9203	3.347	.6471	.4591	.4453
#1	2.022	2.109	2.067	2.117	1.953	1.981	1.947
#2	2.020	1.982	2.069	1.987	1.952	1.979	1.953
#3	2.016	1.964	2.106	1.969	1.970	1.997	1.943
#4	2.028	2.047	2.094	2.058	1.940	1.977	1.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 5/28/2014 10:12:31 Type: QC
Method: Accutest1(v77) Mode: CONC 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	**158200.**	**35730.**	**2082.3**	**5904.4**
Stddev	4248.	82.	9.1	26.5
%RSD	2.6853	.22823	.43647	.44896
#1	153150.	35694.	2082.4	5898.3
#2	161150.	35792.	2088.3	5922.3
#3	162240.	35802.	2069.4	5869.4
#4	156280.	35633.	2089.0	5927.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 10:27:01 Type: QC
Method: Accutest1(v77) 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	k **.0004**	k **.0003**	k **.0001**	k **.0002**	s **.0003**	s **-.0004**	s **.0003**	k **.0002**	s **.0002**
Stddev	.0000	.0000	.0000	.0001	.0001	.0008	.0000	.0003	.0000
%RSD	3.731	3.257	23.90	62.11	38.30	208.7	2.077	134.4	16.81
#1	k .0004	k .0003	k .0001	k .0003	s .0004	s -.0010	s .0003	k .0004	s .0001
#2	.0004	.0003	.0001	.0001	.0002	.0002	.0002	.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	s **.0002**	k **-.0004**	k **.0002**	k **.0005**	k **.0008**	k **-.0038**	k **.0006**	k **-.0194**	k **-.0175**
Stddev	.0000	.0009	.0001	.0014	.0002	.0016	.0004	.0034	.0009
%RSD	16.12	241.1	38.17	308.6	30.09	42.19	57.39	17.40	4.918
#1	s .0002	k .0003	k .0002	k .0015	k .0006	k -.0026	k .0009	k -.0170	k -.0181
#2	.0002	-.0010	.0001	-.0006	.0009	-.0049	.0004	-.0218	-.0169
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	k **-.0057**	k **-.0188**	k **.0205**	k **.0114**	k **.0018**	k **.0008**	s **-.0008**	k **.0007**	k **.0001**
Stddev	.0001	.0033	.0139	.0012	.0012	.0000	.0004	.0006	.0003
%RSD	1.709	17.75	67.52	10.56	65.13	4.631	52.70	81.14	527.1
#1	k -.0057	k -.0164	k .0303	k .0106	k .0026	k .0009	s -.0005	k .0003	k -.0002
#2	-.0058	-.0212	.0107	.0123	.0010	.0008	-.0011	.0012	.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: 5/28/2014 10:27:01 Type: QC
Method: Accutest1(v77) 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	k **.0004**	s **.0004**	k **.0196**	s **.0004**	k **.0007**	k **.0008**	k **.0011**
Stddev	.0000	.0003	.0010	.0001	.0010	.0005	.0005
%RSD	12.25	59.61	5.242	31.76	152.5	70.04	44.02
#1	k .0003	s .0006	k .0203	s .0005	k .0014	k .0004	k .0015
#2	.0004	.0003	.0188	.0003	-.0001	.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	^ *****	**35543.**	**2174.5**	**6381.4**
Stddev	-----	2465.	2.9	4.0
%RSD	-----	6.9352	.13528	.06224
#1	^ -----	37286.	2176.6	6384.2
#2	166140.	33800.	2172.4	6378.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 5/28/2014 10:31:53 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0001**	**.0001**	**.0001**	**.0000**	**.0004**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0000	.0002	.0001
%RSD	33.80	69.63	60.64	19.29	86.45	69.28	18.87	2613.	14.26
#1	.0002	.0000	-.0001	.0001	.0001	.0002	.0000	.0001	.0003
#2	.0003	.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	**.0000**	**-.0008**	**.0003**	**-.0001**	**.0005**	**-.0027**	**.0000**	**-.0215**	**-.0231**
Stddev	.0001	.0000	.0001	.0000	.0003	.0000	.001	.0017	.0030
%RSD	160.1	4.783	24.20	30.76	57.24	1.526	1852.	7.973	13.04
#1	.0001	-.0009	.0004	-.0001	.0003	-.0028	-.0005	-.0227	-.0210
#2	.0000	-.0008	.0003	-.0002	.0006	-.0027	.0005	-.0203	-.0253
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	**-.0100**	**-.0196**	**-.0148**	**.0067**	**.0015**	**.0005**	**.0001**	**.0009**	**-.0004**
Stddev	.0013	.0039	.0074	.0030	.0004	.0001	.0001	.0003	.0001
%RSD	12.87	19.88	50.19	44.43	25.43	26.58	41.77	37.24	28.13
#1	-.0109	-.0168	-.0095	.0046	.0012	.0004	.0001	.0007	-.0005
#2	-.0091	-.0223	-.0200	.0087	.0018	.0006	.0002	.0011	-.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: sampleconf Acquired: 5/28/2014 10:31:53 Type: QC
Method: Accutest1(v77) 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**	**.0144**	**.0003**	**.0015**	**.0006**	**.0011**
Stddev	.0000	.0002	.0000	.0000	.0002	.0000	.0000
%RSD	.9374	233.3	.0400	5.207	12.72	4.237	2.885
#1	.0001	-.0001	.0144	.0003	.0014	.0006	.0011
#2	.0001	.0002	.0144	.0003	.0017	.0006	.0011
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	**169710.**	**35810.**	**2192.9**	**6434.1**
Stddev	2041.	769.	22.2	62.7
%RSD	1.2025	2.1482	1.0135	.97405
#1	168270.	36354.	2208.6	6478.5
#2	171150.	35267.	2177.2	6389.8

Zoom In Zoom Out

Sample Name: iccv Acquired: 5/28/2014 10:36:31 Type: QC
Method: Accutest1(v77) 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	**1.987**	**2.047**	**2.013**	**2.018**	**2.007**	**1.940**	**2.075**	**2.044**	**.2439**
Stddev	.002	.007	.004	.003	.009	.004	.009	.004	.0005
%RSD	.0793	.3529	.2251	.1299	.4670	.2098	.4425	.1884	.1991
#1	1.988	2.052	2.019	2.020	2.016	1.937	2.083	2.046	.2446
#2	1.987	2.044	2.012	2.018	2.005	1.936	2.074	2.042	.2439
#3	1.985	2.037	2.013	2.021	1.995	1.945	2.062	2.047	.2435
#4	1.989	2.053	2.008	2.015	2.012	1.941	2.080	2.039	.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	**1.979**	**2.051**	**2.001**	**2.077**	**2.036**	**1.988**	**1.994**	**39.51**	**40.21**
Stddev	.007	.005	.003	.006	.004	.005	.003	.10	.20
%RSD	.3434	.2401	.1238	.2753	.1719	.2729	.1368	.2412	.5015
#1	1.987	2.056	2.003	2.078	2.039	1.996	1.997	39.59	40.40
#2	1.979	2.054	2.003	2.077	2.034	1.983	1.991	39.44	40.13
#3	1.971	2.050	1.998	2.085	2.038	1.986	1.996	39.41	39.96
#4	1.980	2.045	2.000	2.071	2.032	1.986	1.994	39.59	40.35
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: 5/28/2014 10:36:31 Type: QC
Method: Accutest1(v77) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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**	**39.66**	**39.47**	**39.65**	**2.013**	**2.031**	**1.933**	**5.014**	**2.049**
Stddev	.14	.19	.09	.09	.003	.004	.005	.007	.003
%RSD	.3549	.4845	.2228	.2393	.1301	.1729	.2426	.1465	.1434
#1	40.54	39.84	39.49	39.65	2.016	2.034	1.929	5.022	2.052
#2	40.38	39.52	39.37	39.57	2.014	2.030	1.929	5.008	2.052
#3	40.21	39.47	39.43	39.59	2.013	2.032	1.939	5.019	2.046
#4	40.48	39.81	39.58	39.78	2.010	2.026	1.933	5.008	2.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**1.999**	**2.114**	**2.010**	**1.962**	**1.989**	**1.978**
Stddev	.003	.005	.009	.004	.005	.005	.004
%RSD	.1520	.2430	.4414	.2170	.2581	.2343	.2299
#1	2.053	2.004	2.102	2.015	1.967	1.995	1.975
#2	2.046	1.996	2.111	2.009	1.963	1.984	1.978
#3	2.047	1.993	2.118	2.005	1.962	1.990	1.977
#4	2.049	2.002	2.123	2.012	1.955	1.986	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 5/28/2014 10:36:31 Type: QC
Method: Accutest1(v77) Mode: CONC 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	**159770.**	**35175.**	**2077.0**	**5878.0**
Stddev	215.	149.	3.2	10.8
%RSD	.13461	.42290	.15539	.18358
#1	159640.	35047.	2072.7	5867.6
#2	160050.	35273.	2078.0	5884.7
#3	159820.	35332.	2077.0	5870.3
#4	159570.	35049.	2080.4	5889.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 10:56:53 Type: QC
Method: Accutest1(v77) 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**	**.0000**	**-.0001**	**.0003**	**.0002**	**.0001**	**.0000**
Stddev	.0002	.0000	.0001	.0003	.0003	.0001	.0000	.000
%RSD	164.5	58.86	496.4	491.6	123.5	31.02	11.38	81.44
#1	.0003	.0000	-.0001	-.0003	.0005	.0002	.0001	.0000
#2	.0000	.0001	.0001	.0001	.0000	.0001	.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	**.0001**	**.0000**	**-.0008**	**.0002**	**.0006**	**-.0001**	**-.0033**	**-.0001**
Stddev	.0001	.000	.0001	.0005	.0009	.0011	.0011	.0001
%RSD	149.3	113.8	18.95	285.4	146.1	1184.	34.96	128.8
#1	.0002	.0000	-.0007	.0005	.0000	.0007	-.0025	-.0002
#2	.0000	-.0001	-.0009	-.0002	.0012	-.0009	-.0041	.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	W **-.0251**	**-.0218**	**-.0116**	**-.0275**	**.0175**	**.0053**	**.0017**	**.0004**
Stddev	.0023	.0010	.0008	.0066	.0187	.0005	.0001	.0000
%RSD	9.202	4.767	7.039	24.06	106.8	9.930	6.038	1.755
#1	-.0268	-.0225	-.0110	-.0228	.0308	.0049	.0017	.0003
#2	-.0235	-.0210	-.0121	-.0322	.0043	.0057	.0016	.0004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0250							
Low Limit	-.0250							

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 10:56:53 Type: QC
Method: Accutest1(v77) 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**	**.0010**	**.0004**	**.0000**	**.0001**	**.0153**	**.0002**	**.0010**
Stddev	.0002	.0002	.0004	.0000	.0001	.0009	.0001	.0000
%RSD	107.6	15.19	105.5	86.15	56.14	5.729	34.06	1.293
#1	.0000	.0009	.0001	.0001	.0001	.0160	.0002	.0010
#2	.0003	.0012	.0006	.0000	.0002	.0147	.0002	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0001**	**.0012**
Stddev	.0002	.0000
%RSD	322.5	.9880
#1	-.0001	.0012
#2	.0002	.0012
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	**169110.**	**36238.**	**2183.4**	**6405.8**
Stddev	1256.	90.	1.2	.5
%RSD	.74239	.24824	.05521	.00805
#1	168230.	36175.	2184.3	6406.1
#2	170000.	36302.	2182.5	6405.4

Zoom In Zoom Out

Sample Name: cri Acquired: 5/28/2014 11:02:29 Type: Unk
Method: Accutest1(v77) 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	**.2005**	**.0022**	**.0032**	**.0502**	**.0107**	**.0097**	**.0160**	**.0103**	**.0049**
Stddev	.0085	.0001	.0002	.0004	.0000	.0001	.0005	.0002	.0002
%RSD	4.257	2.597	5.459	.8387	.2306	1.066	2.997	1.467	3.510
#1	.2065	.0023	.0031	.0499	.0107	.0097	.0163	.0102	.0048
#2	.1945	.0022	.0034	.0505	.0107	.0096	.0156	.0104	.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0513**	**.0222**	**.0098**	**.0101**	**.0026**	**.0094**	**.0063**	**.1847**	**5.082**
Stddev	.0017	.0033	.0016	.0014	.0004	.0052	.0000	.0043	.207
%RSD	3.403	14.75	15.91	14.01	14.46	55.33	.0169	2.308	4.081
#1	.0525	.0199	.0087	.0111	.0029	.0057	.0063	.1877	5.229
#2	.0500	.0245	.0109	.0091	.0024	.0130	.0063	.1817	4.935

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0958**	**-.0229**	**4.957**	**4.969**	**.1028**	**.0209**	**.0516**	**.2001**	**.0106**
Stddev	.0058	.0039	.179	.188	.0015	.0002	.0022	.0025	.0002
%RSD	6.014	17.20	3.616	3.780	1.422	.8305	4.288	1.241	1.670
#1	.0999	-.0256	5.084	5.102	.1018	.0208	.0532	.1983	.0108
#2	.0918	-.0201	4.830	4.837	.1038	.0210	.0501	.2018	.0105

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0109**	**.0105**	**.0731**	**.0111**	**.0469**	**.0206**	**.0217**
Stddev	.0002	.0000	.0000	.0004	.0008	.0006	.0009
%RSD	2.119	.2414	.0261	3.947	1.609	2.834	3.982
#1	.0111	.0106	.0732	.0114	.0474	.0202	.0223
#2	.0108	.0105	.0731	.0108	.0464	.0210	.0211

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	35607.	2185.4	6385.6
Stddev	-----	1163.	12.1	38.1
%RSD	-----	3.2666	.55450	.59732
#1	165700.	34785.	2194.0	6412.6
#2	-----	36430.	2176.9	6358.6

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 11:08:30 Type: QC
Method: Accutest1(v77) 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	**.0041**	**.0011**	**.0011**	**.0031**	**.0022**	**.0019**	**.0033**	**.0044**
Stddev	.0001	.0000	.0001	.0002	.0002	.0000	.0001	.0002
%RSD	2.201	2.813	8.761	5.068	10.20	.3865	1.575	3.883
#1	.0041	.0010	.0011	.0032	.0023	.0019	.0033	.0045
#2	.0040	.0011	.0012	.0029	.0020	.0020	.0033	.0043
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	**.0011**	**.0020**	W **.0124**	W **.0038**	**.0021**	W **.0030**	F **.0030**	**.0034**
Stddev	.0002	.0003	.0001	.0006	.0007	.0001	.0012	.0006
%RSD	15.54	14.57	1.190	16.19	34.71	4.671	40.74	17.00
#1	.0012	.0018	.0125	.0042	.0016	.0029	.0021	.0030
#2	.0010	.0022	.0123	.0034	.0027	.0031	.0039	.0038
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value			.0100	.0030		.0025	.0050	
Range			20.00%	20.00%		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	W **.0788**	**1.014**	**-.0094**	F **.0680**	**2.002**	**1.003**	**.0113**	**.0002**
Stddev	.0007	.006	.0003	.0019	.009	.002	.0001	.0002
%RSD	.8801	.6277	2.740	2.797	.4289	.1951	.9905	83.18
#1	.0783	1.010	-.0095	.0694	1.996	1.002	.0114	.0001
#2	.0793	1.019	-.0092	.0667	2.008	1.005	.0113	.0003
Check ?	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000			.1000				
Range	-20.00%			-30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 11:08:30 Type: QC
Method: Accutest1(v77) 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**	**-.0017**	**.0004**	**.0001**	**.0002**	F **.0112**	F **.0002**	F **.0009**
Stddev	.0005	.0002	.0001	.0000	.0001	.0008	.0002	.0005
%RSD	243.2	13.08	34.19	29.75	27.07	7.080	90.15	48.92
#1	-.0006	-.0015	.0003	.0001	.0002	.0118	.0003	.0013
#2	.0002	-.0018	.0005	.0000	.0002	.0107	.0001	.0006
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	.0000	.0001
%RSD	5.745	11.70
#1	-.0004	.0005
#2	-.0004	.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	**166880.**	**35911.**	**2151.5**	**6304.8**
Stddev	545.	240.	19.7	77.5
%RSD	.32637	.66761	.91536	1.2288
#1	166500.	36081.	2137.6	6250.0
#2	167270.	35742.	2165.5	6359.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 11:21:15 Type: QC
Method: Accutest1(v77) 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	**1.987**	**2.054**	**2.005**	**2.009**	**2.010**	**1.932**	**2.080**	**2.037**	**.2449**
Stddev	.003	.006	.002	.005	.001	.002	.003	.007	.0000
%RSD	.1634	.3121	.1161	.2745	.0710	.1086	.1402	.3272	.0037
#1	1.990	2.049	2.007	2.013	2.009	1.934	2.078	2.042	.2449
#2	1.985	2.058	2.004	2.006	2.011	1.931	2.083	2.032	.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	**1.980**	**2.053**	**1.992**	**2.071**	**2.032**	**1.979**	**1.984**	**39.66**	**40.20**
Stddev	.002	.011	.000	.002	.003	.006	.002	.04	.11
%RSD	.0867	.5236	.0167	.1097	.1520	.2990	.0851	.0896	.2719
#1	1.978	2.060	1.993	2.073	2.034	1.983	1.985	39.69	40.13
#2	1.981	2.045	1.992	2.069	2.030	1.974	1.982	39.64	40.28
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**	**39.74**	**39.66**	**39.84**	**2.004**	**2.022**	**1.927**	**4.986**	**2.041**
Stddev	.06	.10	.04	.03	.003	.003	.008	.003	.002
%RSD	.1593	.2588	.1019	.0767	.1294	.1597	.4006	.0660	.1000
#1	40.35	39.67	39.69	39.86	2.002	2.024	1.933	4.984	2.042
#2	40.44	39.81	39.63	39.82	2.006	2.020	1.922	4.988	2.039
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: 5/28/2014 11:21:15 Type: QC
Method: Accutest1(v77) 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	**2.055**	**1.998**	**2.072**	**2.006**	**1.953**	**1.978**	**1.983**
Stddev	.002	.001	.021	.001	.001	.000	.001
%RSD	.1116	.0640	.9936	.0226	.0455	.0119	.0305
#1	2.056	1.997	2.057	2.006	1.954	1.977	1.984
#2	2.053	1.999	2.087	2.006	1.952	1.978	1.983
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	**160240.**	**35191.**	**2090.4**	**5909.0**
Stddev	254.	54.	1.6	.9
%RSD	.15855	.15261	.07602	.01589
#1	160060.	35229.	2091.5	5909.7
#2	160420.	35153.	2089.3	5908.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 11:27:06 Type: QC
Method: Accutest1(v77) 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**	**.0000**	**.0001**	**.0002**	**.0000**	**.0002**	**.0002**	**.0003**
Stddev	.0000	.0000	.0000	.0001	.0001	.0002	.0000	.0000	.0001
%RSD	9.369	7.296	84.48	112.5	25.62	443.3	19.74	24.06	23.41
#1	.0003	.0002	.0000	.0002	.0003	.0002	.0002	.0001	.0002
#2	.0003	.0002	.0001	.0000	.0002	-.0001	.0002	.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	**.0000**	**-.0011**	**.0006**	**.0005**	**.0003**	**-.0035**	**.0001**	**-.0246**	**-.0186**
Stddev	.0000	.0001	.0003	.0001	.0004	.0005	.0006	.0008	.0014
%RSD	17.02	11.57	51.33	28.07	133.8	14.04	487.3	3.183	7.555
#1	.0000	-.0011	.0004	.0004	.0006	-.0031	-.0003	-.0240	-.0196
#2	.0000	-.0010	.0008	.0006	.0000	-.0038	.0005	-.0251	-.0176
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**	**-.0136**	**.0033**	**.0134**	**.0018**	**.0007**	**-.0003**	**.0007**	**-.0001**
Stddev	.0005	.0072	.0092	.0010	.0006	.0003	.0003	.0007	.0004
%RSD	6.474	53.17	276.3	7.167	36.49	36.68	96.08	93.54	377.8
#1	-.0079	-.0187	.0098	.0127	.0013	.0009	-.0001	.0012	-.0004
#2	-.0072	-.0085	-.0032	.0141	.0022	.0005	-.0005	.0003	.0002
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: 5/28/2014 11:27:06 Type: QC
Method: Accutest1(v77) 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**	**.0234**	**.0006**	**.0003**	**.0004**	**.0016**
Stddev	.0000	.0000	.0025	.0000	.0010	.0001	.0000
%RSD	3.740	2.820	10.83	3.664	359.0	26.40	.6917
#1	.0002	.0003	.0252	.0006	-.0004	.0005	.0016
#2	.0002	.0004	.0216	.0006	.0010	.0003	.0016
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	**168390.**	**35790.**	**2198.4**	**6444.1**
Stddev	49.	633.	24.0	64.5
%RSD	.02910	1.7682	1.0896	1.0008
#1	168430.	36238.	2181.4	6398.5
#2	168360.	35343.	2215.3	6489.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 5/28/2014 11:33:11 Type: Unk
Method: Accutest1(v77) 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	**.2017**	**.0023**	**.0032**	**.0507**	**.0127**	**.0146**	**.0192**	**.0104**	**.0054**
Stddev	.0022	.0000	.0000	.0000	.0021	.0059	.0033	.0002	.0008
%RSD	1.111	1.585	.5838	.0687	16.40	40.37	17.04	1.534	15.30
#1	.2002	.0022	.0032	.0507	.0112	.0105	.0169	.0105	.0048
#2	.2033	.0023	.0032	.0507	.0141	.0188	.0215	.0103	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0616**	**.0204**	**.0092**	**.0119**	**.0032**	**.0064**	**.0062**	**.1866**	**5.159**
Stddev	.0104	.0000	.0001	.0008	.0006	.0001	.0002	.0019	.086
%RSD	16.89	.0548	1.127	6.328	20.46	2.254	2.430	1.019	1.665
#1	.0542	.0204	.0091	.0113	.0036	.0065	.0061	.1879	5.098
#2	.0689	.0204	.0093	.0124	.0027	.0063	.0063	.1852	5.220

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0971**	**-.0204**	**4.950**	**4.983**	**.1030**	**.0213**	**.0612**	**.2016**	**.0108**
Stddev	.0018	.0023	.044	.055	.0013	.0004	.0110	.0009	.0005
%RSD	1.811	11.36	.8997	1.107	1.298	1.800	17.97	.4409	4.307
#1	.0959	-.0187	4.919	4.944	.1020	.0210	.0534	.2010	.0105
#2	.0984	-.0220	4.982	5.022	.1039	.0215	.0689	.2022	.0112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0108**	**.0121**	**.0725**	**.0122**	**.0462**	**.0212**	**.0223**
Stddev	.0001	.0019	.0004	.0021	.0000	.0008	.0001
%RSD	1.369	15.67	.5794	17.00	.0367	3.714	.2416
#1	.0107	.0108	.0728	.0108	.0462	.0206	.0222
#2	.0109	.0134	.0722	.0137	.0462	.0217	.0223

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**143540.**	**35423.**	**2172.7**	**6355.2**
Stddev	24940.	413.	9.6	14.6
%RSD	17.375	1.1653	.44121	.22927
#1	161180.	35715.	2179.5	6365.5
#2	125910.	35131.	2166.0	6344.9

Zoom In Zoom Out

Sample Name: cri Acquired: 5/28/2014 11:42:40 Type: QC
Method: Accutest1(v77) 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	**.2004**	**.0022**	**.0032**	**.0508**	**.0102**	**.0094**	**.0158**	**.0101**
Stddev	.0001	.0000	.0000	.0000	.0000	.0000	.0001	.0002
%RSD	.0483	.9769	1.022	.0265	.0931	.4573	.7682	1.769
#1	.2005	.0022	.0032	.0508	.0102	.0094	.0159	.0100
#2	.2003	.0022	.0032	.0508	.0102	.0093	.0157	.0103
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	**.0048**	**.0515**	**.0208**	**.0093**	**.0104**	**.0032**	W **.0079**	**.0052**
Stddev	.0000	.0003	.0001	.0002	.0002	.0002	.0012	.0002
%RSD	.4293	.5598	.2737	2.248	1.882	6.365	15.25	3.681
#1	.0048	.0517	.0208	.0091	.0103	.0034	.0088	.0051
#2	.0048	.0513	.0208	.0094	.0106	.0031	.0071	.0053
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	**.1811**	**5.045**	**.0941**	**5.114**	**4.866**	**4.908**	**.1045**	**.0210**
Stddev	.0013	.004	.0005	.014	.028	.017	.0002	.0000
%RSD	.7428	.0821	.5442	.2705	.5830	.3375	.1482	.0755
#1	.1821	5.042	.0937	5.124	4.846	4.896	.1044	.0210
#2	.1802	5.048	.0944	5.104	4.886	4.920	.1047	.0210
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: 5/28/2014 11:42:40 Type: QC
Method: Accutest1(v77) 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	**.0524**	**.2068**	**.0105**	**.0105**	**.0104**	F **.0712**	**.0101**	**.0492**
Stddev	.0002	.0003	.0002	.0001	.0002	.0002	.0002	.0015
%RSD	.3864	.1421	1.861	.5135	1.653	.3152	1.804	2.973
#1	.0525	.2070	.0103	.0105	.0105	.0713	.0102	.0502
#2	.0522	.2066	.0106	.0106	.0103	.0710	.0100	.0481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value						.0500		
Range						30.00%		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0214**	**.0225**
Stddev	.0002	.0004
%RSD	1.070	1.892
#1	.0212	.0228
#2	.0215	.0222
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	**171140.**	**36488.**	**2194.3**	**6429.3**
Stddev	705.	109.	1.1	2.1
%RSD	.41200	.29945	.05153	.03285
#1	170640.	36565.	2195.1	6430.8
#2	171640.	36410.	2193.5	6427.8

Zoom In Zoom Out

Sample Name: cria Acquired: 5/28/2014 11:48:41 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0000**	**.0001**	**.0000**	**-.0001**	**.0003**
Stddev	.0001	.000	.0001	.0000	.0002	.0000	.0000	.0001	.0002
%RSD	53.98	55.93	1031.	45.06	786.2	24.23	57.74	133.2	71.25
#1	.0002	.0000	.0000	.0000	-.0001	.0001	.0000	-.0001	.0005
#2	.0001	.0000	.0000	.0001	.0001	.0000	.0000	.0000	.0002
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	**-.0002**	**.0009**	**.0191**	**.0005**	**.0200**	**.0187**	**.0194**	**.4513**	**-.0190**
Stddev	.0001	.0001	.0004	.0009	.0000	.0001	.0009	.0054	.0007
%RSD	47.22	10.74	1.841	182.9	.1304	.3498	4.487	1.202	3.681
#1	-.0002	.0009	.0189	.0012	.0200	.0188	.0188	.4474	-.0185
#2	-.0001	.0010	.0194	-.0001	.0201	.0187	.0200	.4551	-.0195
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	**.5044**	**-.0285**	**-.0127**	**.0082**	**.0012**	**.0001**	**.0000**	**-.0045**	**-.0003**
Stddev	.0001	.0049	.0073	.0015	.0002	.0001	.000	.0003	.0001
%RSD	.0162	17.24	57.52	17.81	16.83	85.99	63.53	5.604	41.55
#1	.5043	-.0319	-.0075	.0092	.0011	.0000	.0000	-.0043	-.0003
#2	.5044	-.0250	-.0178	.0071	.0014	.0001	.0000	-.0047	-.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/28/2014 11:48:41 Type: QC
Method: Accutest1(v77) 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**	**.0038**	**-.0001**	**.0027**	**.0000**	**.0000**
Stddev	.0000	.0001	.0003	.0001	.0001	.001	.0003
%RSD	7.957	69.60	8.322	117.8	5.125	1271.	660.8
#1	.0000	.0002	.0036	-.0002	.0026	.0004	.0002
#2	.0000	.0001	.0041	.0000	.0028	-.0004	-.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	**170520.**	**36639.**	**2231.7**	**6552.3**
Stddev	48.	129.	16.0	31.0
%RSD	.02813	.35206	.71824	.47317
#1	170560.	36730.	2243.0	6574.3
#2	170490.	36548.	2220.3	6530.4

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 11:54:46 Type: QC
Method: Accutest1(v77) 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**	**.0009**	**.0029**	**.0023**	**.0022**	**.0032**	**.0040**
Stddev	.0001	.0000	.0001	.0001	.0002	.0003	.0000	.0002
%RSD	2.759	2.732	7.427	2.909	8.291	14.46	1.473	4.785
#1	.0040	.0010	.0009	.0028	.0024	.0020	.0032	.0039
#2	.0041	.0010	.0010	.0029	.0022	.0024	.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	**.0011**	**.0019**	W **.0125**	**.0028**	**.0019**	**.0027**	W **.0039**	**.0030**
Stddev	.0003	.0000	.0002	.0001	.0005	.0004	.0007	.0003
%RSD	27.30	.5384	1.869	4.732	28.09	13.70	18.06	10.33
#1	.0009	.0019	.0123	.0027	.0015	.0030	.0044	.0028
#2	.0014	.0019	.0127	.0029	.0023	.0025	.0034	.0033
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.0100				.0050	
Range			20.00%				-20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0756**	**1.003**	**-.0094**	W **.0764**	**1.955**	**.9958**	**.0111**	**.0001**
Stddev	.0029	.003	.0007	.0079	.002	.0046	.0002	.0001
%RSD	3.818	.2538	7.845	10.37	.1079	.4601	1.918	67.75
#1	.0736	1.001	-.0089	.0708	1.957	.9926	.0110	.0001
#2	.0777	1.005	-.0099	.0820	1.954	.9990	.0113	.0002
Check ?	Chk Warn	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000			.1000				
Range	-20.00%			-20.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 11:54:46 Type: QC
Method: Accutest1(v77) 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	**-.0005**	**-.0029**	**-.0001**	**.0000**	**.0003**	W **.0031**	F **.0000**	F **.0022**
Stddev	.0001	.0003	.0006	.0000	.0000	.0002	.000	.0002
%RSD	16.72	10.65	428.4	107.7	12.28	5.441	669.6	7.871
#1	-.0005	-.0031	-.0006	.0001	.0003	.0029	.0001	.0023
#2	-.0004	-.0027	.0003	.0000	.0003	.0032	-.0002	.0020
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 **.0003**	F **.0015**
Stddev	.0005	.0003
%RSD	170.6	19.74
#1	.0006	.0013
#2	-.0001	.0017
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	**168450.**	**36322.**	**2203.6**	**6473.0**
Stddev	183.	39.	31.4	83.1
%RSD	.10866	.10765	1.4248	1.2834
#1	168320.	36349.	2225.8	6531.7
#2	168580.	36294.	2181.4	6414.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/28/2014 12:00:50 Type: QC
Method: Accutest1(v77) 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**	**.0026**	**-.0009**	**-.0004**	**.0019**	**.0026**	**.0006**	**.0079**
Stddev	.0000	.0000	.0001	.0002	.0003	.0002	.0001	.0000	.0005
%RSD	9.271	16.58	2.654	26.71	86.01	11.32	4.481	3.673	5.858
#1	-.0004	.0000	.0026	-.0007	-.0002	.0021	.0026	.0006	.0082
#2	-.0003	.0000	.0025	-.0011	-.0006	.0018	.0027	.0006	.0075
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**	**.0019**	**-.0004**	**-.0023**	**-.0048**	**.0049**	**-.0003**	**489.6**	**376.8**
Stddev	.0000	.0003	.0001	.0008	.0002	.0036	.0005	4.2	1.4
%RSD	3.596	14.66	13.67	35.24	4.595	73.26	192.9	.8652	.3666
#1	.0002	.0017	-.0004	-.0029	-.0050	.0024	.0001	492.6	377.8
#2	.0002	.0021	-.0005	-.0018	-.0046	.0074	-.0007	486.6	375.8
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	**188.4**	**532.3**	**.0287**	**.0173**	**.0001**	**-.0047**	**-.0014**	**.0075**	**.0007**
Stddev	.5	1.2	.0018	.0031	.0005	.0001	.0000	.0018	.0013
%RSD	.2442	.2252	6.428	18.20	359.8	1.395	.0731	23.43	178.2
#1	188.8	533.1	.0300	.0151	-.0002	-.0047	-.0014	.0063	-.0002
#2	188.1	531.4	.0274	.0195	.0005	-.0046	-.0014	.0088	.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: icsa Acquired: 5/28/2014 12:00:50 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0141**	**.0080**	**-.0717**	**.0017**	**.0032**
Stddev	.0001	.0003	.0000	.0000	.0001	.0000	.0000
%RSD	2.195	363.1	.3112	.2903	.1473	1.930	1.411
#1	-.0058	.0003	.0140	.0080	-.0717	.0018	.0032
#2	-.0060	-.0001	.0141	.0080	-.0718	.0017	.0033
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	**148580.**	**33476.**	**1908.8**	**5183.9**
Stddev	195.	94.	4.2	7.6
%RSD	.13112	.28161	.21944	.14723
#1	148720.	33409.	1911.8	5189.3
#2	148440.	33543.	1905.8	5178.5

Zoom In Zoom Out

Sample Name: icsab Acquired: 5/28/2014 12:07:05 Type: QC
Method: Accutest1(v77) 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	**.4918**	**.4958**	**1.004**	**.4706**	**.4503**	**.5060**	**.4794**	**.9510**	**.9898**
Stddev	.0062	.0074	.005	.0006	.0018	.0052	.0030	.0036	.0079
%RSD	1.258	1.488	.4693	.1203	.4026	1.032	.6209	.3746	.7974
#1	.4962	.5010	1.001	.4702	.4516	.5097	.4815	.9485	.9954
#2	.4875	.4906	1.007	.4710	.4490	.5023	.4773	.9535	.9842
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	**.4500**	**.9506**	**1.095**	**.9095**	**.9215**	**1.027**	**.9969**	**486.6**	**375.9**
Stddev	.0035	.0026	.002	.0074	.0030	.002	.0011	5.2	4.3
%RSD	.7718	.2704	.1828	.8143	.3273	.1517	.1067	1.078	1.145
#1	.4525	.9488	1.093	.9148	.9194	1.026	.9962	490.3	378.9
#2	.4475	.9525	1.096	.9043	.9236	1.028	.9977	482.9	372.8
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	**182.8**	**517.8**	**.0223**	**.0175**	**-.0041**	**.4776**	**.5167**	**-.0028**	**.0015**
Stddev	2.6	9.0	.0089	.0016	.0014	.0021	.0054	.0018	.0005
%RSD	1.410	1.732	39.79	9.397	34.12	.4305	1.046	62.18	36.15
#1	184.6	524.2	.0161	.0186	-.0051	.4762	.5205	-.0016	.0019
#2	181.0	511.5	.0286	.0163	-.0031	.4791	.5129	-.0041	.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: 5/28/2014 12:07:05 Type: QC
Method: Accutest1(v77) 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	**-.0061**	**.0003**	**.5275**	**.4979**	F **.3970**	**.5011**	**.5219**
Stddev	.0000	.0000	.0056	.0037	.0073	.0009	.0061
%RSD	.5864	1.317	1.063	.7509	1.850	.1852	1.168
#1	-.0062	.0003	.5236	.5005	.4022	.5005	.5262
#2	-.0061	.0003	.5315	.4952	.3918	.5018	.5176
Check ?	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					.5000		
Range					-20.00%		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**151140.**	**33828.**	**1922.3**	**5227.4**
Stddev	617.	502.	5.9	10.9
%RSD	.40819	1.4833	.30882	.20836
#1	150700.	33473.	1926.5	5235.1
#2	151570.	34183.	1918.1	5219.7

Zoom In Zoom Out

Sample Name: feconf Acquired: 5/28/2014 12:13:15 Type: Unk
Method: Accutest1(v77) 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**	**.0012**	**-.0006**	**-.0004**	**.0008**	**.0042**	**-.0009**
Stddev	.0001	.0000	.0001	.0001	.0000	.0002	.0001	.0001
%RSD	56.50	1821.	6.609	14.81	11.26	26.42	1.394	16.21
#1	.0002	.0000	.0012	-.0005	-.0004	.0009	.0043	-.0010
#2	.0001	.0000	.0013	-.0007	-.0005	.0006	.0042	-.0008

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0103**	**.0003**	**.0038**	**-.0007**	F **-.0034**	**-.0009**	**.0090**	**.0012**
Stddev	.0006	.0001	.0002	.0008	.0003	.0001	.0014	.0001
%RSD	5.889	40.67	4.963	125.4	9.119	9.214	15.98	10.52
#1	.0108	.0002	.0039	-.0013	-.0032	-.0008	.0101	.0011
#2	.0099	.0004	.0037	-.0001	-.0036	-.0009	.0080	.0013

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0208**	**-.0241**	**203.8**	**-.0355**	**.0635**	**.0043**	**-.0006**	**.0002**
Stddev	.0003	.0040	.8	.0035	.0110	.0027	.0000	.0002
%RSD	1.368	16.57	.3854	9.751	17.36	61.83	2.275	118.3
#1	-.0206	-.0213	204.4	-.0379	.0557	.0062	-.0006	.0003
#2	-.0210	-.0269	203.3	-.0330	.0713	.0024	-.0007	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0023**	**-.0238**	**-.0012**	**.0000**	**-.0001**	**.0175**	**.0095**	**-.0031**
Stddev	.0008	.0015	.0007	.000	.0001	.0002	.0000	.0031
%RSD	36.18	6.402	61.88	16.41	68.00	1.229	.3534	102.7
#1	-.0017	-.0249	-.0007	.0000	-.0001	.0177	.0094	-.0008
#2	-.0029	-.0227	-.0017	.0000	.0000	.0173	.0095	-.0053

Elem	Bi2230	Li6707
Avg	**.0058**	**.0004**
Stddev	.0007	.0005
%RSD	12.53	118.6
#1	.0053	.0008
#2	.0063	.0001

Zoom In Zoom Out

Sample Name: feconf Acquired: 5/28/2014 12:13:15 Type: Unk
Method: Accutest1(v77) 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	**166510.**	**35962.**	**2169.5**	**6475.2**
Stddev	13.	132.	16.6	40.7
%RSD	.00807	.36579	.76624	.62797
#1	166520.	35869.	2181.3	6504.0
#2	166500.	36055.	2157.8	6446.5

Zoom In Zoom Out

Sample Name: crconf Acquired: 5/28/2014 12:19:25 Type: Unk
Method: Accutest1(v77) 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**	**-.0002**	**.0017**	**10.70**	**-.0001**	**.0001**	**-.0004**	**.0002**
Stddev	.0000	.0000	.0001	.0000	.01	.0001	.0000	.0001	.0001
%RSD	2.495	16.13	57.76	.9456	.0655	106.2	49.58	28.96	54.47
#1	.0004	.0001	-.0002	.0018	10.70	-.0002	.0001	-.0004	.0003
#2	.0004	.0001	-.0001	.0017	10.69	.0000	.0000	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0008**	**.0035**	**-.0005**	**.0017**	**.0003**	**-.0027**	**.0106**	**-.0101**	**-.0333**
Stddev	.0001	.0002	.0003	.0004	.0005	.0000	.0005	.0036	.0003
%RSD	12.87	6.622	49.30	24.98	183.9	.6369	4.958	36.11	.9467
#1	-.0007	.0034	-.0007	.0020	.0006	-.0027	.0102	-.0075	-.0336
#2	-.0009	.0037	-.0003	.0014	-.0001	-.0027	.0110	-.0126	-.0331

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0154**	**-.0077**	**-.0339**	**.0078**	**.0006**	**.0010**	**-.0005**	**-.0132**	**-.0010**
Stddev	.0015	.0097	.0315	.0024	.0003	.0001	.0005	.0004	.0010
%RSD	10.03	125.5	92.94	30.91	50.40	12.33	93.49	2.871	101.7
#1	.0165	-.0009	-.0562	.0061	.0004	.0010	-.0008	-.0135	-.0003
#2	.0143	-.0146	-.0116	.0095	.0009	.0009	-.0002	-.0130	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0044**	**-.0020**	**.0022**	**.0010**	**.0002**
Stddev	.0000	.0000	.0004	.0000	.0002	.0008	.0000
%RSD	36.20	9.218	9.683	.6696	11.11	83.72	8.144
#1	.0001	.0004	.0047	-.0020	.0021	.0004	.0002
#2	.0001	.0004	.0041	-.0020	.0024	.0016	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169420.**	**35096.**	**2158.5**	**6461.3**
Stddev	46.	2052.	9.8	15.7
%RSD	.02727	5.8470	.45290	.24373
#1	169450.	36547.	2165.4	6472.5
#2	169390.	33645.	2151.5	6450.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 12:25:30 Type: QC
Method: Accutest1(v77) 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	**1.990**	**2.051**	**2.014**	**1.998**	**1.957**	**1.889**	**2.020**	**2.031**	**.2393**
Stddev	.003	.010	.000	.001	.044	.047	.045	.004	.0048
%RSD	.1360	.4847	.0158	.0590	2.276	2.495	2.213	.2174	2.005
#1	1.992	2.058	2.014	1.997	1.988	1.922	2.052	2.028	.2427
#2	1.988	2.044	2.014	1.999	1.925	1.856	1.989	2.034	.2359
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	**1.929**	**2.043**	**1.994**	**2.056**	**2.020**	**1.983**	**1.984**	**39.09**	**40.10**
Stddev	.044	.002	.005	.009	.002	.003	.001	.10	.30
%RSD	2.279	.0828	.2501	.4352	.0823	.1456	.0308	.2666	.7365
#1	1.960	2.042	1.990	2.050	2.018	1.985	1.984	39.16	40.31
#2	1.898	2.044	1.997	2.063	2.021	1.981	1.983	39.02	39.90
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	**40.34**	**39.59**	**39.22**	**39.44**	**2.002**	**2.024**	**1.883**	**4.982**	**2.044**
Stddev	.21	.33	.03	.02	.000	.001	.047	.003	.003
%RSD	.5292	.8429	.0762	.0532	.0027	.0262	2.492	.0628	.1250
#1	40.49	39.82	39.24	39.46	2.002	2.024	1.916	4.980	2.042
#2	40.19	39.35	39.20	39.43	2.002	2.025	1.850	4.984	2.045
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: 5/28/2014 12:25:30 Type: QC
Method: Accutest1(v77) 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	**2.032**	**1.943**	**2.082**	**1.950**	**1.949**	**1.989**	**1.975**
Stddev	.002	.046	.024	.044	.011	.001	.001
%RSD	.0904	2.362	1.170	2.233	.5404	.0331	.0268
#1	2.033	1.975	2.065	1.981	1.942	1.989	1.974
#2	2.031	1.910	2.100	1.919	1.956	1.988	1.975
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	**163820.**	**35370.**	**2091.3**	**5928.4**
Stddev	2564.	219.	1.9	11.6
%RSD	1.5653	.62030	.09065	.19625
#1	162010.	35215.	2092.6	5936.6
#2	165630.	35525.	2089.9	5920.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 12:31:20 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0002**	**.0007**	**.0002**	**.0000**	**.0002**
Stddev	.0000	.0000	.0002	.0000	.0001	.0002	.0000	.0001	.0001
%RSD	5.927	1.741	122.7	33.79	55.22	30.75	16.89	363.9	48.83
#1	.0003	.0001	.0003	.0001	.0003	.0005	.0002	-.0001	.0001
#2	.0003	.0001	.0000	.0001	.0001	.0008	.0002	.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**	**-.0011**	**.0008**	**.0003**	**.0005**	**-.0017**	**.0000**	**-.0238**	**-.0182**
Stddev	.0001	.0002	.0001	.0002	.0003	.0007	.000	.0052	.0003
%RSD	937.1	20.43	6.820	60.00	53.94	43.44	1065.	21.91	1.484
#1	.0001	-.0012	.0008	.0004	.0007	-.0022	.0002	-.0275	-.0184
#2	-.0001	-.0009	.0008	.0002	.0003	-.0012	-.0003	-.0201	-.0180
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	**-.0067**	**-.0098**	**-.0063**	**.0077**	**.0019**	**.0008**	**.0003**	**.0010**	**-.0001**
Stddev	.0011	.0033	.0220	.0001	.0003	.0001	.0002	.0001	.0004
%RSD	16.93	33.39	346.8	1.042	17.94	13.40	60.64	7.209	465.6
#1	-.0059	-.0121	.0092	.0078	.0022	.0009	.0005	.0009	.0002
#2	-.0075	-.0075	-.0219	.0077	.0017	.0007	.0002	.0010	-.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: 5/28/2014 12:31:20 Type: QC
Method: Accutest1(v77) 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**	**.0227**	**.0006**	**-.0006**	**.0003**	**.0011**
Stddev	.0000	.0002	.0016	.0001	.0002	.0005	.0000
%RSD	14.48	55.20	6.851	9.559	28.80	178.4	3.416
#1	.0002	.0005	.0238	.0006	-.0005	-.0001	.0011
#2	.0002	.0002	.0216	.0006	-.0008	.0006	.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	**165350.**	**36599.**	**2188.7**	**6437.1**
Stddev	6073.	19.	2.2	3.7
%RSD	3.6731	.05095	.10012	.05683
#1	169650.	36612.	2190.2	6439.7
#2	161060.	36586.	2187.1	6434.5

Zoom In Zoom Out

Sample Name: mp79641-lc1conf Acquired: 5/28/2014 12:37:24 Type: Unk
Method: Accutest1(v77) 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	**.4208**	**.4257**	**.4419**	**.4141**	**.4262**	**.3885**	**.4362**	**.4363**	**.1650**
Stddev	.0008	.0022	.0056	.0058	.0002	.0002	.0005	.0054	.0003
%RSD	.1987	.5268	1.259	1.395	.0437	.0437	.1123	1.235	.2050
#1	.4214	.4273	.4459	.4182	.4261	.3884	.4365	.4401	.1652
#2	.4202	.4241	.4380	.4100	.4263	.3886	.4358	.4325	.1647

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4063**	**.4779**	**.4359**	**.4579**	**.4385**	**.4669**	**.4292**	**4.099**	**4.834**
Stddev	.0002	.0062	.0049	.0054	.0054	.0059	.0061	.021	.044
%RSD	.0418	1.303	1.130	1.181	1.226	1.274	1.432	.5254	.9134
#1	.4064	.4823	.4394	.4617	.4423	.4711	.4335	4.114	4.865
#2	.4062	.4735	.4325	.4541	.4347	.4627	.4248	4.083	4.803

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.759**	**4.570**	**8.401**	**8.477**	**-.0015**	**.4217**	**-.0008**	**.0089**	**-.0010**
Stddev	.025	.068	.064	.024	.0001	.0053	.0003	.0011	.0003
%RSD	.5190	1.497	.7593	.2767	5.376	1.260	41.77	12.90	26.48
#1	4.776	4.618	8.446	8.494	-.0015	.4254	-.0006	.0097	-.0008
#2	4.741	4.522	8.356	8.461	-.0014	.4179	-.0011	.0080	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.4175**	**.0136**	**.0002**	**.0070**	**-.0001**	**.0002**
Stddev	.0000	.0010	.0002	.0001	.0042	.0001	.0001
%RSD	4.927	.2504	1.403	54.01	60.78	60.90	73.61
#1	.0005	.4183	.0134	.0002	.0040	-.0001	.0001
#2	.0005	.4168	.0137	.0001	.0100	-.0001	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169090.**	**36760.**	**2154.0**	**6347.1**
Stddev	432.	216.	25.2	73.7
%RSD	.25523	.58646	1.1703	1.1604
#1	169400.	36608.	2136.2	6295.0
#2	168790.	36912.	2171.9	6399.2

Zoom In Zoom Out

Sample Name: mp79614-mb1conf Acquired: 5/28/2014 12:43:16 Type: Unk
Method: Accutest1(v77) 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**	**.0001**	**.0004**	**.0000**	**-.0002**	**-.0001**
Stddev	.0001	.0000	.0001	.0002	.0001	.0003	.0001	.0003	.0001
%RSD	40.16	34.01	1107.	370.2	83.85	64.41	254.6	125.1	113.4
#1	.0002	.0001	.0001	-.0001	.0001	.0002	.0001	.0000	-.0002
#2	.0001	.0000	-.0001	.0002	.0000	.0006	.0000	-.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0003**	**-.0002**	**.0009**	**.0000**	**-.0017**	**-.0006**	**-.0187**	**-.0200**
Stddev	.000	.0000	.0001	.0003	.000	.0009	.0002	.0035	.0019
%RSD	284.4	6.574	44.76	29.93	515.2	52.57	33.58	18.54	9.474
#1	.0000	-.0004	-.0002	.0011	-.0001	-.0011	-.0008	-.0212	-.0213
#2	-.0001	-.0003	-.0003	.0007	.0001	-.0024	-.0005	-.0163	-.0186

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0098**	**-.0195**	**-.0162**	**.0044**	**.0008**	**.0003**	**-.0005**	**.0078**	**-.0004**
Stddev	.0003	.0036	.0085	.0026	.0001	.0001	.0002	.0002	.0004
%RSD	3.339	18.59	52.54	58.23	9.902	31.86	38.23	2.993	86.35
#1	-.0096	-.0169	-.0223	.0026	.0008	.0003	-.0004	.0080	-.0002
#2	-.0100	-.0220	-.0102	.0063	.0009	.0002	-.0006	.0077	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0065**	**.0002**	**.0022**	**.0004**	**.0014**
Stddev	.0000	.0001	.0002	.0000	.0002	.0002	.0002
%RSD	1.591	169.9	3.760	10.07	10.41	36.67	13.51
#1	.0000	.0001	.0067	.0002	.0023	.0006	.0015
#2	.0000	.0000	.0063	.0002	.0020	.0003	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167750.**	**36294.**	**2206.0**	**6489.8**
Stddev	1051.	17.	23.2	66.6
%RSD	.62667	.04803	1.0497	1.0267
#1	168500.	36281.	2189.6	6442.7
#2	167010.	36306.	2222.4	6536.9

Zoom In Zoom Out

Sample Name: mp79614-ps1 6 Acquired: 5/28/2014 12:49:20 Type: Unk
Method: Accutest1(v77) 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	**4.801**	**.0997**	**.1048**	**.5056**	**.5064**	**.4617**	**.5097**	**.5038**	**.0754**
Stddev	.015	.0000	.0001	.0007	.0007	.0007	.0003	.0004	.0003
%RSD	.3212	.0370	.1273	.1366	.1338	.1471	.0616	.0720	.3435
#1	4.790	.0996	.1047	.5051	.5069	.4612	.5095	.5035	.0756
#2	4.812	.0997	.1049	.5061	.5059	.4621	.5100	.5040	.0752

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4787**	**.6239**	**.1057**	**.0897**	**.1040**	**.5355**	**.4949**	**4.700**	**2.659**
Stddev	.0016	.0006	.0006	.0021	.0009	.0030	.0026	.037	.011
%RSD	.3267	.1036	.6076	2.300	.8269	.5560	.5315	.7841	.4170
#1	.4798	.6244	.1062	.0882	.1046	.5376	.4930	4.674	2.651
#2	.4776	.6235	.1053	.0912	.1034	.5334	.4967	4.726	2.667

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.100**	**2.364**	**.6307**	**6.377**	**1.012**	**.5132**	**2.454**	**12.94**	**.5100**
Stddev	.026	.035	.0072	.024	.002	.0003	.004	.01	.0013
%RSD	.5086	1.489	1.138	.3683	.1648	.0640	.1664	.0865	.2527
#1	5.082	2.389	.6256	6.360	1.011	.5129	2.451	12.94	.5091
#2	5.119	2.339	.6358	6.393	1.013	.5134	2.457	12.93	.5109

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5030**	**.4765**	**.1322**	**2.636**	**6.319**	**2.705**	**2.664**
Stddev	.0020	.0012	.0023	.001	.013	.005	.012
%RSD	.4064	.2582	1.770	.0196	.2083	.1751	.4329
#1	.5016	.4756	.1339	2.636	6.328	2.708	2.656
#2	.5045	.4773	.1306	2.635	6.309	2.701	2.672

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168260.**	**36648.**	**2180.3**	**6412.6**
Stddev	556.	157.	1.9	19.4
%RSD	.33062	.42872	.08536	.30219
#1	167870.	36759.	2181.6	6426.3
#2	168650.	36537.	2179.0	6398.9

Zoom In Zoom Out

Sample Name: mp79524-lc1conf Acquired: 5/28/2014 12:55:14 Type: Unk
Method: Accutest1(v77) 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	**.4991**	**.5155**	**.4956**	**.4837**	**.5133**	**.4736**	**.5260**	**.4984**	**.1877**
Stddev	.0004	.0011	.0132	.0130	.0018	.0004	.0017	.0134	.0002
%RSD	.0730	.2077	2.672	2.687	.3493	.0848	.3273	2.689	.1157
#1	.4988	.5147	.5050	.4929	.5120	.4739	.5248	.5078	.1875
#2	.4994	.5163	.4863	.4745	.5146	.4733	.5273	.4889	.1878

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4964**	**.5407**	**.4889**	**.5198**	**.4983**	**.5111**	**.4838**	**4.845**	**5.543**
Stddev	.0012	.0149	.0139	.0110	.0111	.0127	.0139	.007	.026
%RSD	.2429	2.753	2.839	2.110	2.217	2.478	2.864	.1539	.4676
#1	.4956	.5512	.4987	.5275	.5061	.5201	.4936	4.840	5.524
#2	.4973	.5302	.4790	.5120	.4905	.5022	.4740	4.850	5.561

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.650**	**5.326**	**9.832**	**9.872**	**.0004**	**.5008**	**-.0011**	**.0212**	**.0003**
Stddev	.008	.040	.005	.005	.0004	.0142	.0004	.0023	.0003
%RSD	.1355	.7450	.0538	.0498	113.1	2.838	33.65	10.77	89.34
#1	5.645	5.298	9.829	9.869	.0006	.5108	-.0013	.0228	.0005
#2	5.655	5.354	9.836	9.876	.0001	.4907	-.0008	.0196	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5074**	**.0106**	**.0005**	**.0013**	**-.0029**	**.0011**
Stddev	.0000	.0015	.0010	.0001	.0014	.0009	.0002
%RSD	11.09	.3054	9.265	28.98	107.9	31.21	16.50
#1	-.0001	.5063	.0099	.0004	.0003	-.0036	.0010
#2	-.0002	.5084	.0113	.0006	.0024	-.0023	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166160.**	**36025.**	**2164.2**	**6345.7**
Stddev	560.	33.	48.3	131.0
%RSD	.33726	.09132	2.2332	2.0642
#1	166560.	36048.	2130.1	6253.0
#2	165770.	36001.	2198.4	6438.3

Zoom In Zoom Out

Sample Name: mp79524-mb2conf Acquired: 5/28/2014 13:01:08 Type: Unk
Method: Accutest1(v77) 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	**.0035**	**.0001**	**.0001**	**-.0003**	**.0009**	**.0042**	**.0021**	**.0031**	**.0001**
Stddev	.0004	.0000	.0002	.0000	.0001	.0004	.0000	.0000	.0000
%RSD	10.38	3.609	170.6	5.071	12.22	9.160	.7874	1.040	26.69
#1	.0033	.0001	.0000	-.0003	.0010	.0039	.0021	.0031	.0001
#2	.0038	.0001	.0002	-.0003	.0008	.0044	.0021	.0030	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0015**	**-.0013**	**.0046**	**.0012**	**.0071**	**.0014**	**-.0141**	**.1225**
Stddev	.0001	.0003	.0003	.0026	.0006	.0020	.0000	.0044	.0139
%RSD	80.68	21.59	22.40	56.85	45.18	28.71	3.574	31.33	11.39
#1	-.0001	.0017	-.0015	.0027	.0016	.0085	.0013	-.0173	.1126
#2	.0000	.0013	-.0011	.0064	.0008	.0057	.0014	-.0110	.1323

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0068**	**-.0059**	**.0791**	F **1099.**	**.0040**	**.0003**	**-.0004**	**.9345**	**.0037**
Stddev	.0027	.0111	.0235	83.	.0000	.0001	.0002	.0060	.0012
%RSD	40.20	187.4	29.72	7.585	.3648	44.88	38.47	.6438	31.58
#1	.0049	-.0138	.0625	1041.	.0040	.0003	-.0003	.9302	.0046
#2	.0087	.0019	.0958	1158.	.0039	.0002	-.0005	.9388	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0097**	**.0000**	**.0016**	**-.0004**	**.0248**	**-.0016**	**.0116**
Stddev	.0008	.000	.0001	.0001	.0005	.0010	.0013
%RSD	8.025	380.4	8.108	25.82	2.089	62.98	11.23
#1	.0092	-.0002	.0017	-.0004	.0245	-.0009	.0107
#2	.0103	.0001	.0015	-.0003	.0252	-.0023	.0125

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**145610.**	**33307.**	**1884.1**	**5045.4**
Stddev	1851.	2694.	9.7	23.9
%RSD	1.2711	8.0870	.51387	.47411
#1	146920.	35211.	1891.0	5062.3
#2	144310.	31402.	1877.3	5028.5

Zoom In Zoom Out

Sample Name: mp79689-mb1conf Acquired: 5/28/2014 13:07:16 Type: Unk
Method: Accutest1(v77) 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**	**.0000**	**.0004**	**.0005**	**.0004**	**.0005**	**-.0002**
Stddev	.0000	.0001	.0001	.0001	.0000	.0001	.0000	.0002	.0003
%RSD	16.88	1631.	166.9	3224.	1.248	28.25	11.21	44.50	170.4
#1	.0002	.0000	.0000	.0001	.0004	.0006	.0005	.0007	-.0004
#2	.0002	.0000	-.0001	-.0001	.0004	.0004	.0004	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0161**	**.0005**	**.0009**	**.0008**	**-.0010**	**-.0003**	**-.0157**	**-.0070**
Stddev	.000	.0002	.0001	.0002	.0001	.0015	.0003	.0059	.0002
%RSD	361.6	1.223	25.01	18.37	11.24	146.7	89.49	37.36	2.808
#1	.0000	.0162	.0006	.0010	.0009	.0000	-.0001	-.0116	-.0069
#2	-.0001	.0160	.0005	.0008	.0007	-.0020	-.0005	-.0199	-.0072

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0063**	**-.0171**	**-.0265**	**.1274**	**.0018**	**.0001**	**.0008**	**.0110**	**.0121**
Stddev	.0008	.0009	.0105	.0084	.0005	.0000	.0005	.0011	.0001
%RSD	12.58	5.528	39.69	6.606	26.78	47.81	58.75	9.581	.4976
#1	.0069	-.0164	-.0191	.1333	.0021	.0001	.0011	.0118	.0120
#2	.0057	-.0178	-.0339	.1214	.0014	.0001	.0005	.0103	.0121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0006**	**.0001**	**-.0001**	**.0054**	**.0012**	**.0018**
Stddev	.0000	.0002	.0015	.0000	.0019	.0006	.0000
%RSD	174.3	27.64	2968.	5.436	34.54	48.73	2.379
#1	.0000	.0005	.0011	.0000	.0068	.0008	.0018
#2	.0000	.0008	-.0010	-.0001	.0041	.0016	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171270.**	**37521.**	**2176.8**	**6431.2**
Stddev	1406.	454.	41.5	128.5
%RSD	.82101	1.2090	1.9064	1.9973
#1	170280.	37201.	2147.4	6340.3
#2	172270.	37842.	2206.1	6522.0

Zoom In Zoom Out

Sample Name: jb67439-4undconf Acquired: 5/28/2014 13:13:19 Type: Unk
Method: Accutest1(v77) 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	**.9757**	**-.0001**	**.0205**	**.0060**	**.0015**	**.0092**	F **11.60**	**.0101**	**-.0063**
Stddev	.0750	.0002	.0004	.0001	.0036	.0000	.10	.0009	.0016
%RSD	7.682	210.2	2.054	1.283	244.5	.1930	.8243	9.016	24.51
#1	.9227	-.0003	.0208	.0059	-.0011	.0092	11.53	.0108	-.0074
#2	1.029	.0001	.0202	.0060	.0040	.0092	11.67	.0095	-.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0031**	**.2200**	**.0028**	**.0058**	**.0076**	**.0009**	**-.0014**	**.4928**	**436.6**
Stddev	.0019	.0020	.0023	.0053	.0010	.0042	.0009	.0539	33.1
%RSD	63.55	.9260	80.40	91.15	13.46	473.4	68.28	10.95	7.574
#1	-.0017	.2186	.0012	.0021	.0069	-.0021	-.0020	.4546	413.2
#2	-.0044	.2215	.0044	.0096	.0084	.0038	-.0007	.5309	459.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.02**	**55.42**	**11.00**	*****	**.0519**	**-.0008**	**-.0101**	**5.674**	**-.0011**
Stddev	1.16	3.89	.88	-----	.0004	.0000	.0003	.020	.0003
%RSD	6.804	7.014	7.986	-----	.7104	5.541	3.093	.3530	29.40
#1	16.20	52.67	10.37	-----	.0522	-.0009	-.0103	5.688	-.0009
#2	17.84	58.17	11.62	-----	.0517	-.0008	-.0099	5.660	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.764**	**.0084**	**.0170**	**-.0010**	**34.37**	**.0033**	**.0178**
Stddev	.198	.0007	.0026	.0005	.14	.0001	.0017
%RSD	7.156	8.472	15.36	44.53	.4052	3.608	9.637
#1	2.625	.0079	.0189	-.0014	34.47	.0032	.0166
#2	2.904	.0089	.0152	-.0007	34.27	.0034	.0190

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	*****	**1642.8**	**4120.7**
Stddev	-----	-----	3.3	6.9
%RSD	-----	-----	.20307	.16732
#1	127120.	32962.	1640.4	4115.8
#2	-----	-----	1645.1	4125.6

Zoom In Zoom Out

Sample Name: jb67439-4fundconf Acquired: 5/28/2014 13:19:38 Type: Unk
Method: Accutest1(v77) 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	**.9026**	**.0000**	**.0135**	**.0048**	**.0028**	**.0032**	F **10.93**	**.0086**	**-.0090**
Stddev	.0014	.000	.0002	.0000	.0001	.0002	.00	.0002	.0001
%RSD	.1578	370.0	1.257	.6660	1.953	7.673	.0346	2.025	1.320
#1	.9036	.0000	.0137	.0048	.0028	.0033	10.93	.0085	-.0089
#2	.9016	.0000	.0134	.0049	.0027	.0030	10.93	.0087	-.0091

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0039**	**.1616**	**.0070**	**.0065**	**.0051**	**.0014**	**-.0018**	**.3029**	**418.5**
Stddev	.0001	.0006	.0002	.0010	.0010	.0008	.0005	.0094	2.3
%RSD	1.834	.3482	3.192	14.83	18.63	55.66	29.81	3.119	.5600
#1	-.0038	.1620	.0071	.0072	.0044	.0020	-.0014	.3096	420.1
#2	-.0040	.1612	.0068	.0058	.0058	.0009	-.0022	.2963	416.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.07**	**55.07**	**9.391**	*****	**.0450**	**.0001**	**-.0097**	**6.106**	**-.0016**
Stddev	.05	.25	.008	-----	.0005	.0001	.0000	.031	.0001
%RSD	.2067	.4539	.0848	-----	1.041	106.5	.4897	.5147	6.690
#1	23.11	55.25	9.396	-----	.0453	.0002	-.0097	6.128	-.0015
#2	23.04	54.89	9.385	-----	.0446	.0000	-.0097	6.084	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.571**	**.0025**	**.0877**	**-.0018**	**33.35**	**.0038**	**.0164**
Stddev	.031	.0005	.0032	.0002	.27	.0006	.0001
%RSD	1.200	18.44	3.704	12.07	.8050	15.62	.6809
#1	2.549	.0028	.0900	-.0019	33.54	.0043	.0165
#2	2.593	.0022	.0854	-.0016	33.16	.0034	.0163

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**127450.**	**33150.**	**1642.3**	**4137.1**
Stddev	132.	6.	7.8	11.5
%RSD	.10344	.01709	.47218	.27751
#1	127350.	33146.	1636.8	4128.9
#2	127540.	33154.	1647.8	4145.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 13:25:58 Type: QC
Method: Accutest1(v77) 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	**1.988**	**2.029**	**1.989**	**1.966**	**1.965**	**1.911**	**2.015**	**2.009**	**.2430**
Stddev	.004	.014	.003	.007	.017	.017	.018	.012	.0013
%RSD	.1814	.7018	.1662	.3794	.8821	.8858	.9150	.6053	.5421
#1	1.985	2.019	1.992	1.961	1.977	1.923	2.028	2.000	.2439
#2	1.990	2.039	1.987	1.972	1.953	1.899	2.002	2.017	.2420
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**	**2.104**	**1.959**	**2.036**	**1.995**	**1.982**	**1.939**	**38.42**	**39.57**
Stddev	.016	.117	.004	.007	.012	.001	.009	.17	.25
%RSD	.7983	5.566	.1939	.3219	.6166	.0572	.4832	.4374	.6272
#1	1.955	2.022	1.956	2.041	1.987	1.981	1.946	38.30	39.40
#2	1.933	2.187	1.962	2.032	2.004	1.982	1.933	38.54	39.75
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	**39.76**	**39.02**	**38.74**	**38.34**	**1.964**	**1.997**	**1.911**	**4.880**	**2.022**
Stddev	.23	.29	.19	.10	.010	.002	.016	.010	.007
%RSD	.5771	.7468	.4848	.2514	.5023	.0978	.8456	.2020	.3275
#1	39.60	38.81	38.61	38.28	1.971	1.995	1.923	4.887	2.017
#2	39.92	39.22	38.88	38.41	1.957	1.998	1.900	4.873	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: 5/28/2014 13:25:58 Type: QC
Method: Accutest1(v77) 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	**2.010**	**1.944**	**1.862**	**1.943**	**1.957**	**1.957**	**1.959**
Stddev	.007	.019	.028	.018	.022	.015	.008
%RSD	.3315	.9917	1.498	.9133	1.145	.7506	.3868
#1	2.006	1.958	1.842	1.955	1.941	1.968	1.953
#2	2.015	1.930	1.882	1.930	1.973	1.947	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	**161760.**	**35647.**	**2106.1**	**5963.0**
Stddev	1102.	194.	10.8	47.9
%RSD	.68132	.54461	.51328	.80388
#1	160980.	35785.	2113.8	5996.9
#2	162540.	35510.	2098.5	5929.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 13:31:47 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0002**	**.0003**	**.0004**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0002	.0003	.0000	.0002
%RSD	51.50	8.847	103.7	55.38	116.0	105.7	5.479	60.78
#1	.0003	.0002	.0000	.0001	.0000	.0001	.0005	.0002
#2	.0002	.0002	.0002	.0002	.0003	.0006	.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**	**.0001**	**-.0006**	**.0004**	**.0013**	**.0007**	**-.0027**	**-.0004**
Stddev	.0003	.0001	.0001	.0003	.0000	.0008	.0005	.0002
%RSD	112.6	84.75	16.19	63.32	.7389	122.8	18.97	43.64
#1	.0004	.0001	-.0005	.0006	.0013	.0001	-.0031	-.0006
#2	.0001	.0000	-.0007	.0002	.0013	.0012	-.0024	-.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	**-.0234**	**-.0040**	**-.0073**	**-.0138**	**.0016**	**.2148**	**.0015**	**.0006**
Stddev	.0055	.0028	.0020	.0037	.0201	.0191	.0004	.0002
%RSD	23.49	71.10	27.23	27.21	1267.	8.909	27.42	39.67
#1	-.0195	-.0020	-.0059	-.0111	-.0126	.2283	.0012	.0007
#2	-.0273	-.0060	-.0088	-.0164	.0158	.2013	.0017	.0004
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: 5/28/2014 13:31:47 Type: QC
Method: Accutest1(v77) 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	**.0005**	**.0007**	**.0001**	**.0003**	**.0004**	**.0126**	**.0004**	W **.0056**
Stddev	.0006	.0003	.0006	.0000	.0002	.0009	.0000	.0013
%RSD	131.0	44.74	768.8	2.399	42.23	6.879	11.83	22.69
#1	.0010	.0010	-.0004	.0003	.0006	.0132	.0004	.0065
#2	.0000	.0005	.0005	.0003	.0003	.0120	.0003	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0007**	**.0012**
Stddev	.0004	.0005
%RSD	53.51	43.68
#1	.0005	.0009
#2	.0010	.0016
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	**169710.**	**36677.**	**2215.9**	**6483.3**
Stddev	5679.	214.	15.1	45.7
%RSD	3.3462	.58476	.67966	.70505
#1	173720.	36525.	2205.2	6451.0
#2	165690.	36828.	2226.5	6515.7

Zoom In Zoom Out

Sample Name: jb65341-20p 2 Acquired: 5/28/2014 13:37:53 Type: Unk
Method: Accutest1(v77) 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	**1.717**	**1.781**	**2.457**	**.0437**	**3.988**	**.0418**	**4.571**	**2.091**	**.8331**
Stddev	.001	.007	.001	.0001	.112	.0016	.116	.003	.0229
%RSD	.0768	.3934	.0270	.1529	2.807	3.887	2.542	.1471	2.751
#1	1.716	1.776	2.457	.0437	3.909	.0407	4.489	2.089	.8169
#2	1.718	1.786	2.456	.0438	4.067	.0430	4.653	2.093	.8493

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0100**	**1.639**	**1.802**	**.0037**	**1.527**	**2.373**	**2.533**	**2.622**	**159.9**
Stddev	.0001	.001	.002	.0001	.001	.003	.006	.002	1.0
%RSD	1.389	.0635	.0896	3.564	.0856	.1420	.2482	.0755	.6280
#1	.0099	1.638	1.801	.0036	1.526	2.375	2.537	2.620	159.2
#2	.0101	1.640	1.804	.0038	1.528	2.370	2.529	2.623	160.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.258**	**10.52**	**8.467**	F **1014.**	**.1429**	**.0005**	**-.0004**	**4.297**	**.0018**
Stddev	.007	.09	.002	8.	.0004	.0001	.0012	.009	.0005
%RSD	.5330	.8658	.0216	.7524	.2480	14.00	283.9	.2069	29.45
#1	1.253	10.45	8.468	1020.	.1432	.0006	.0004	4.290	.0021
#2	1.263	10.58	8.466	1009.	.1427	.0005	-.0013	4.303	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6369**	**.0154**	**.0203**	**.0169**	**2.594**	**-.0022**	**.0235**
Stddev	.0002	.0003	.0005	.0005	.004	.0006	.0004
%RSD	.0333	2.207	2.677	3.146	.1673	28.54	1.759
#1	.6367	.0152	.0207	.0166	2.598	-.0017	.0232
#2	.6370	.0156	.0199	.0173	2.591	-.0026	.0238

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**145160.**	**34392.**	**1823.7**	**4849.0**
Stddev	3596.	217.	1.6	3.2
%RSD	2.4770	.63000	.08646	.06687
#1	147700.	34545.	1822.6	4846.7
#2	142610.	34239.	1824.8	4851.3

Zoom In Zoom Out

Sample Name: jb65341-20p Acquired: 5/28/2014 13:44:03 Type: Unk
Method: Accutest1(v77) 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	**1.693**	**1.787**	**2.381**	**.0421**	**4.639**	**.0535**	**5.480**	**2.116**	**.8774**
Stddev	.020	.013	.012	.0010	.339	.0083	.406	.017	.0658
%RSD	1.183	.7466	.4969	2.417	7.315	15.50	7.404	.7880	7.504
#1	1.679	1.778	2.390	.0428	4.879	.0594	5.767	2.128	.9239
#2	1.707	1.796	2.373	.0414	4.399	.0477	5.193	2.104	.8308

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0114**	**1.703**	**1.687**	**.0041**	**1.577**	**2.156**	**2.436**	**2.636**	**165.7**
Stddev	.0011	.011	.003	.0049	.009	.000	.009	.043	1.3
%RSD	10.05	.6628	.1834	118.7	.5970	.0002	.3481	1.644	.7598
#1	.0122	1.711	1.689	.0007	1.584	2.156	2.442	2.605	164.8
#2	.0106	1.695	1.685	.0075	1.571	2.156	2.430	2.666	166.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.246**	**10.67**	**8.151**	**1075.**	**.1477**	**.0004**	**-.0035**	**4.225**	**.0007**
Stddev	.006	.11	.211	15.	.0036	.0000	.0017	.026	.0008
%RSD	.5085	1.025	2.586	1.375	2.435	11.03	49.48	.6177	127.2
#1	1.241	10.60	8.002	1064.	.1503	.0004	-.0023	4.243	.0013
#2	1.250	10.75	8.300	1085.	.1452	.0005	-.0047	4.206	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6322**	**.0206**	**.0313**	**.0180**	**2.503**	**-.0012**	**.0251**
Stddev	.0076	.0027	.0009	.0007	.019	.0017	.0001
%RSD	1.205	13.07	2.740	3.812	.7744	143.3	.4156
#1	.6268	.0225	.0307	.0185	2.517	.0000	.0251
#2	.6376	.0187	.0319	.0176	2.490	-.0024	.0252

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**146900.**	**36049.**	**2058.5**	**5739.7**
Stddev	9651.	205.	4.6	23.3
%RSD	6.5699	.56943	.22309	.40642
#1	140070.	36195.	2055.2	5723.2
#2	153720.	35904.	2061.7	5756.2

Zoom In Zoom Out

Sample Name: mp79681-mb1conf Acquired: 5/28/2014 13:50:03 Type: Unk
Method: Accutest1(v77) 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**	**.0002**	**.0002**	**-.0066**	**.0000**	**.0004**
Stddev	.0000	.0001	.0001	.0000	.0001	.0097	.0002	.0001
%RSD	12.15	143.5	42.28	2.473	34.36	146.3	1765.	13.36
#1	.0001	.0001	-.0001	.0002	.0002	.0002	.0001	.0004
#2	.0001	.0000	-.0002	.0002	.0001	-.0135	-.0001	.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0001**	**.0001**	**.0016**	**.0038**	**.0014**	**-.0014**	**-.0009**
Stddev	.0002	.0004	.0003	.0002	.0000	.0000	.0005	.0003
%RSD	126.4	423.9	214.3	10.14	.7830	1.110	36.98	33.18
#1	.0000	-.0002	-.0001	.0017	.0038	.0013	-.0010	-.0007
#2	.0003	.0004	.0003	.0015	.0037	.0014	-.0018	-.0011

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0235**	**-.0149**	W **-.0139**	**-.0258**	**-.0222**	**.0945**	**-.0004**	**-.0003**
Stddev	.0038	.0019	.0001	.0144	.0065	.0132	.0000	.0001
%RSD	16.12	12.78	.4817	55.77	29.55	14.02	8.592	36.61
#1	-.0208	-.0136	-.0139	-.0156	-.0268	.1038	-.0004	-.0004
#2	-.0262	-.0163	-.0138	-.0360	-.0175	.0851	-.0003	-.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0006**	**-.0050**	**-.0010**	**.0001**	**.0006**	**.0069**	**.0001**	**.0071**
Stddev	.0014	.0005	.0003	.0000	.0007	.0005	.0000	.0001
%RSD	244.8	9.688	25.69	38.89	115.0	7.724	24.34	1.444
#1	-.0004	-.0054	-.0008	.0001	.0001	.0073	.0001	.0072
#2	.0016	-.0047	-.0012	.0001	.0011	.0066	.0002	.0071

Elem	Bi2230	Li6707
Avg	**.0032**	**-.0006**
Stddev	.0004	.0001
%RSD	13.67	16.85
#1	.0029	-.0006
#2	.0035	-.0007

Zoom In Zoom Out

Sample Name: mp79681-mb1conf Acquired: 5/28/2014 13:50:03 Type: Unk
Method: Accutest1(v77) 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	*****	37613.	2271.1	6671.6
Stddev	-----	456.	6.1	11.9
%RSD	-----	1.2134	.26807	.17875
#1	171680.	37936.	2266.8	6663.2
#2	-----	37290.	2275.4	6680.1

Zoom In Zoom Out

Sample Name: mp79681-s3conf Acquired: 5/28/2014 13:56:04 Type: Unk
Method: Accutest1(v77) 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	1.912	.0499	.0485	.4874	.1990	.2296	.7277	.5101	.0391
Stddev	.010	.0003	.0004	.0002	.0031	.0037	.0066	.0007	.0013
%RSD	.5128	.5858	.7546	.0394	1.546	1.618	.9051	.1447	3.285
#1	1.905	.0497	.0488	.4873	.1968	.2269	.7230	.5096	.0381
#2	1.919	.0501	.0482	.4875	.2012	.2322	.7323	.5107	.0400

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.4760	.5567	2.038	2.062	.5071	2.133	.4903	2.342	194.7
Stddev	.0039	.0008	.004	.004	.0020	.007	.0001	.033	.9
%RSD	.8119	.1382	.1698	.1860	.4012	.3375	.0188	1.405	.4571
#1	.4733	.5572	2.036	2.064	.5086	2.138	.4902	2.319	194.1
#2	.4787	.5561	2.041	2.059	.5057	2.128	.4903	2.366	195.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.9795	39.94	43.34	114.7	.2815	.0005	.0071	1.095	-.0018
Stddev	.0136	.20	.35	.5	.0025	.0004	.0009	.001	.0037
%RSD	1.388	.4994	.8178	.4238	.8761	91.26	12.51	.0561	203.5
#1	.9699	39.80	43.09	114.4	.2832	.0002	.0065	1.095	.0008
#2	.9891	40.08	43.59	115.0	.2797	.0008	.0078	1.096	-.0044

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	.2696	.0028	.0136	-.0097	211.7	.0046	.1110
Stddev	.0018	.0003	.0002	.0005	.2	.0020	.0018
%RSD	.6804	10.50	1.386	4.797	.0796	42.64	1.619
#1	.2683	.0030	.0138	-.0094	211.8	.0032	.1097
#2	.2709	.0026	.0135	-.0100	211.5	.0060	.1123

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	164680.	36276.	2134.3	6190.2
Stddev	1548.	156.	24.0	66.3
%RSD	.93970	.42878	1.1250	1.0708
#1	165770.	36386.	2117.3	6143.4
#2	163580.	36166.	2151.3	6237.1

Zoom In Zoom Out

Sample Name: jb67396-1conf Acquired: 5/28/2014 14:01:57 Type: Unk
Method: Accutest1(v77) 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	.0764	.0001	.0003	.0022	.0004	.0029	1.053	-.0011	.0026
Stddev	.0023	.0001	.0005	.0000	.0023	.0004	.003	.0001	.0005
%RSD	2.950	165.6	187.1	.3720	595.2	14.10	.3155	13.61	17.84
#1	.0748	.0000	-.0001	.0022	.0020	.0026	1.055	-.0012	.0029
#2	.0780	.0001	.0007	.0022	-.0012	.0032	1.050	-.0010	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0004	.0101	.0141	-.0057	.0017	.0009	-.0044	-.0347	31.50
Stddev	.0004	.0005	.0026	.0010	.0007	.0059	.0011	.0063	1.18
%RSD	107.9	5.154	18.25	18.04	38.82	664.7	23.77	18.25	3.751
#1	-.0006	.0097	.0160	-.0065	.0012	.0050	-.0052	-.0302	30.66
#2	-.0001	.0104	.0123	-.0050	.0022	-.0033	-.0037	-.0392	32.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	19.24	22.60	2.304	53.40	.1404	.0010	-.0014	6.444	.0013
Stddev	.68	.69	.169	1.39	.0018	.0003	.0020	.036	.0027
%RSD	3.560	3.039	7.328	2.607	1.251	31.52	147.1	.5595	210.9
#1	18.75	22.12	2.185	52.41	.1416	.0008	.0001	6.419	.0032
#2	19.72	23.09	2.423	54.38	.1392	.0012	-.0028	6.470	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	.2353	.0028	.0053	-.0003	.6590	.0046	.0042
Stddev	.0067	.0021	.0005	.0002	.0042	.0013	.0016
%RSD	2.865	72.38	10.20	66.04	.6444	28.22	39.20
#1	.2305	.0043	.0056	-.0005	.6620	.0055	.0054
#2	.2401	.0014	.0049	-.0002	.6560	.0037	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	168900.	35904.	2185.0	6389.2
Stddev	371.	1008.	.9	2.4
%RSD	.21972	2.8078	.04210	.03696
#1	168640.	36617.	2184.4	6387.5
#2	169160.	35191.	2185.7	6390.9

Zoom In Zoom Out

Sample Name: jb67577-5 1 Acquired: 5/28/2014 14:08:11 Type: Unk
Method: Accutest1(v77) 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	.1711	.0004	.0005	.0051	.0019	.0016	.0974	.0037	.0003
Stddev	.0010	.0000	.0000	.0002	.0001	.0003	.0009	.0002	.0001
%RSD	.5691	3.058	6.896	4.709	3.801	17.89	.9743	4.257	50.42
#1	.1718	.0004	.0005	.0052	.0018	.0018	.0981	.0036	.0004
#2	.1704	.0004	.0005	.0049	.0019	.0014	.0968	.0038	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0003	.0139	.0019	.0000	.0026	-.0026	-.0017	.6286	21.40
Stddev	.0000	.0001	.0000	.0006	.0003	.0014	.0008	.0051	.10
%RSD	1.734	.7564	1.065	4451.	10.90	53.23	49.59	.8192	.4828
#1	.0003	.0140	.0019	-.0004	.0028	-.0016	-.0023	.6323	21.47
#2	.0003	.0139	.0019	.0005	.0024	-.0036	-.0011	.6250	21.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	.1299	11.45	2.279	10.94	.0179	-.0002	.0002	1.965	-.0015
Stddev	.0009	.04	.007	.08	.0011	.0001	.0003	.049	.0004
%RSD	.7147	.3567	.3303	.7191	6.421	27.33	173.9	2.471	24.48
#1	.1306	11.48	2.285	11.00	.0187	-.0002	.0004	2.000	-.0017
#2	.1293	11.43	2.274	10.89	.0171	-.0003	.0000	1.931	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	.1169	.0025	-.0002	-.0004	7.612	.0024	.0004
Stddev	.0005	.0002	.0004	.0001	.188	.0007	.0002
%RSD	.3948	6.230	211.7	20.93	2.476	30.97	57.84
#1	.1172	.0024	.0001	-.0005	7.745	.0029	.0005
#2	.1166	.0026	-.0005	-.0004	7.478	.0019	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	167760.	37506.	2148.8	6278.7
Stddev	1123.	72.	36.4	116.0
%RSD	.66946	.19204	1.6925	1.8469
#1	166970.	37455.	2123.1	6196.7
#2	168560.	37557.	2174.5	6360.7

Zoom In Zoom Out

Sample Name: jb67577-6 Acquired: 5/28/2014 14:14:10 Type: Unk
Method: Accutest1(v77) 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	**.0476**	**.0001**	**-.0001**	**.0011**	**.0011**	**.0010**	**.0041**	**.0016**	**.0001**
Stddev	.0002	.0000	.0002	.0000	.0003	.0001	.0000	.0002	.0003
%RSD	.3517	13.63	169.1	3.124	24.67	8.630	.5439	10.82	264.2
#1	.0477	.0001	-.0002	.0011	.0009	.0010	.0040	.0015	.0003
#2	.0475	.0001	.0000	.0011	.0013	.0011	.0041	.0017	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0022**	**.0015**	**.0010**	**.0022**	**-.0036**	**-.0012**	**.2510**	**3.909**
Stddev	.0001	.0002	.0008	.0007	.0003	.0004	.0005	.0026	.009
%RSD	165.2	8.087	52.80	63.21	12.51	11.85	44.79	1.044	.2220
#1	.0000	.0021	.0020	.0015	.0024	-.0039	-.0016	.2529	3.915
#2	.0001	.0024	.0009	.0006	.0020	-.0033	-.0008	.2492	3.903

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0070**	**1.735**	**1.382**	**4.633**	**.0142**	**-.0002**	**.0004**	**1.588**	**-.0012**
Stddev	.0032	.008	.006	.003	.0004	.0000	.0005	.041	.0003
%RSD	46.05	.4395	.4491	.0607	3.135	18.98	138.9	2.596	25.31
#1	.0047	1.740	1.386	4.631	.0139	-.0002	.0000	1.559	-.0009
#2	.0093	1.729	1.377	4.635	.0145	-.0003	.0007	1.617	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0074**	**.0005**	**-.0007**	**-.0005**	**5.492**	**.0027**	**-.0003**
Stddev	.0000	.0002	.0006	.0001	.139	.0002	.0002
%RSD	.0520	45.01	85.11	20.41	2.538	6.593	64.37
#1	.0074	.0007	-.0011	-.0004	5.394	.0026	-.0002
#2	.0074	.0004	-.0003	-.0005	5.591	.0028	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169280.**	**37141.**	**2169.3**	**6410.6**
Stddev	236.	85.	45.2	123.1
%RSD	.13947	.22833	2.0832	1.9200
#1	169450.	37201.	2201.2	6497.6
#2	169120.	37081.	2137.3	6323.5

Zoom In Zoom Out

Sample Name: jb67577-8 Acquired: 5/28/2014 14:20:10 Type: Unk
Method: Accutest1(v77) 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	**.0281**	**.0000**	**.0000**	**.0030**	**.0004**	**.0015**	**.0147**	**.0006**	**.0000**
Stddev	.0003	.0000	.0000	.0001	.0001	.0004	.0003	.0001	.000
%RSD	.9052	638.0	18.06	1.925	16.17	25.08	2.126	23.76	1010.
#1	.0279	.0000	.0000	.0030	.0004	.0018	.0150	.0007	-.0002
#2	.0282	.0000	.0000	.0031	.0005	.0013	.0145	.0005	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.0026**	**.0014**	**.0005**	**.0012**	**-.0026**	**-.0017**	**.1121**	**43.57**
Stddev	.0001	.0001	.0002	.0002	.0011	.0004	.0002	.0054	.12
%RSD	10.49	2.508	13.78	37.48	99.50	15.70	10.81	4.788	.2723
#1	.0013	.0027	.0013	.0004	.0020	-.0023	-.0015	.1159	43.49
#2	.0011	.0026	.0015	.0006	.0003	-.0029	-.0018	.1083	43.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4700**	**2.641**	**1.610**	**2.388**	**.0183**	**.0001**	**-.0003**	**1.815**	**-.0017**
Stddev	.0040	.013	.018	.026	.0002	.0001	.0000	.012	.0001
%RSD	.8591	.4744	1.095	1.076	1.279	167.1	8.292	.6354	7.879
#1	.4671	2.632	1.597	2.369	.0182	.0001	-.0003	1.823	-.0016
#2	.4728	2.649	1.622	2.406	.0185	.0000	-.0003	1.807	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3398**	**.0006**	**-.0005**	**-.0004**	**4.296**	**.0021**	**.0001**
Stddev	.0026	.0001	.0006	.0001	.034	.0003	.0007
%RSD	.7558	10.90	119.2	33.40	.7813	14.40	671.3
#1	.3380	.0007	-.0009	-.0003	4.320	.0023	.0006
#2	.3416	.0006	-.0001	-.0006	4.273	.0019	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**165150.**	**37541.**	**2144.1**	**6316.2**
Stddev	3201.	137.	8.2	22.9
%RSD	1.9380	.36524	.38452	.36259
#1	162880.	37638.	2138.3	6300.0
#2	167410.	37444.	2149.9	6332.4

Zoom In Zoom Out

Sample Name: jb67577-9 Acquired: 5/28/2014 14:26:09 Type: Unk
Method: Accutest1(v77) 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	**.0331**	**.0001**	**-.0001**	**.0004**	**.0010**	**.0032**	**.0162**	**.0013**	**.0001**
Stddev	.0003	.0000	.0001	.0001	.0001	.0030	.0023	.0001	.0004
%RSD	.9561	37.83	103.6	20.86	6.643	94.33	13.98	5.109	694.1
#1	.0329	.0000	.0000	.0003	.0011	.0011	.0146	.0013	.0003
#2	.0333	.0001	-.0002	.0004	.0010	.0053	.0178	.0014	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0057**	**.0005**	**.0014**	**.0025**	**-.0022**	**-.0008**	**.0390**	**9.858**
Stddev	.0002	.0003	.0001	.0019	.0007	.0008	.0002	.0006	.096
%RSD	1644.	4.386	16.88	131.1	27.95	35.13	33.27	1.475	.9762
#1	-.0001	.0056	.0006	.0001	.0030	-.0016	-.0006	.0394	9.790
#2	.0002	.0059	.0005	.0027	.0020	-.0027	-.0009	.0386	9.926

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4802**	**1.233**	**2.850**	**2.747**	**.0153**	**-.0003**	**-.0004**	**2.519**	**-.0007**
Stddev	.0004	.011	.023	.027	.0003	.0000	.0013	.024	.0000
%RSD	.0868	.8519	.8107	.9683	1.781	11.78	330.0	.9649	2.175
#1	.4799	1.225	2.834	2.728	.0155	-.0003	.0005	2.501	-.0007
#2	.4805	1.240	2.866	2.766	.0151	-.0003	-.0013	2.536	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1494**	**.0003**	**-.0019**	**-.0004**	**3.847**	**.0066**	**.0001**
Stddev	.0020	.0000	.0013	.0004	.020	.0002	.0005
%RSD	1.344	4.863	70.76	85.43	.5213	2.656	522.6
#1	.1479	.0003	-.0009	-.0007	3.833	.0068	-.0002
#2	.1508	.0003	-.0028	-.0002	3.861	.0065	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**36751.**	**2182.4**	**6454.0**
Stddev	-----	400.	17.9	50.1
%RSD	-----	1.0888	.82168	.77688
#1	168260.	37034.	2195.1	6489.4
#2	-----	36468.	2169.7	6418.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 14:32:11 Type: QC
Method: Accutest1(v77) 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	**1.993**	**2.048**	**2.032**	**2.027**	**1.980**	**1.904**	**2.047**	**2.065**	**.2415**
Stddev	.022	.017	.054	.057	.007	.002	.006	.055	.0013
%RSD	1.123	.8111	2.667	2.797	.3777	.0893	.3091	2.651	.5227
#1	2.009	2.060	1.994	1.987	1.986	1.906	2.052	2.027	.2424
#2	1.977	2.036	2.070	2.068	1.975	1.903	2.043	2.104	.2406
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	**1.954**	**2.089**	**2.016**	**2.080**	**2.047**	**2.012**	**1.998**	**39.15**	**39.94**
Stddev	.007	.057	.057	.046	.053	.052	.052	.40	.38
%RSD	.3659	2.722	2.842	2.209	2.595	2.581	2.598	1.017	.9431
#1	1.959	2.049	1.976	2.048	2.010	1.975	1.961	39.43	40.20
#2	1.949	2.129	2.057	2.113	2.085	2.048	2.035	38.87	39.67
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	**40.21**	**39.49**	**39.34**	**39.34**	**2.022**	**2.053**	**1.895**	**5.033**	**2.069**
Stddev	.37	.30	.39	.37	.057	.058	.006	.134	.057
%RSD	.9191	.7688	.9940	.9297	2.818	2.837	.3280	2.669	2.756
#1	40.47	39.70	39.62	39.60	1.982	2.012	1.900	4.938	2.029
#2	39.94	39.27	39.07	39.08	2.063	2.094	1.891	5.128	2.109
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: 5/28/2014 14:32:11 Type: QC
Method: Accutest1(v77) 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	**2.040**	**1.970**	**2.014**	**1.973**	**1.974**	**2.004**	**1.963**
Stddev	.021	.006	.091	.002	.046	.050	.021
%RSD	1.029	.2977	4.528	.1079	2.314	2.513	1.088
#1	2.055	1.974	1.949	1.975	1.942	1.968	1.978
#2	2.025	1.966	2.078	1.972	2.006	2.040	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	**161440.**	**35381.**	**2065.2**	**5841.9**
Stddev	287.	304.	47.0	132.6
%RSD	.17804	.85976	2.2740	2.2693
#1	161650.	35166.	2098.4	5935.6
#2	161240.	35596.	2032.0	5748.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 14:39:31 Type: QC
Method: Accutest1(v77) 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**	**.0003**	**.0002**	**.0000**	**.0002**	**.0004**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0002	.0004	.0000	.0001	.0001
%RSD	44.51	8.950	25.76	43.46	74.87	964.8	7.546	22.24	20.05
#1	.0002	.0002	.0002	.0004	.0001	.0003	.0002	.0004	.0003
#2	.0004	.0002	.0002	.0002	.0004	-.0002	.0002	.0003	.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**	**-.0008**	**.0012**	**.0008**	**.0005**	**-.0019**	**.0007**	**-.0193**	**-.0174**
Stddev	.0001	.0000	.0003	.0000	.0004	.0001	.0002	.0027	.0010
%RSD	97.59	1.127	24.38	3.525	80.90	5.022	35.38	13.80	5.657
#1	.0000	-.0008	.0010	.0008	.0008	-.0018	.0009	-.0212	-.0167
#2	.0002	-.0008	.0014	.0008	.0002	-.0019	.0005	-.0174	-.0181
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	**-.0078**	**-.0219**	**.0217**	**.0262**	**.0006**	**.0007**	**-.0004**	**.0009**	**.0002**
Stddev	.0002	.0041	.0041	.0000	.0009	.0001	.0003	.0006	.0000
%RSD	2.850	18.59	18.76	.1370	143.1	9.355	71.59	71.19	10.78
#1	-.0076	-.0190	.0188	.0262	.0012	.0008	-.0002	.0004	.0003
#2	-.0079	-.0248	.0246	.0262	.0000	.0007	-.0005	.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 14:39:31 Type: QC
Method: Accutest1(v77) 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**	**.0170**	**.0006**	**.0028**	**.0006**	**.0003**
Stddev	.0000	.0000	.0016	.0002	.0002	.0002	.0003
%RSD	17.34	8.842	9.417	34.09	8.259	28.76	87.60
#1	.0002	.0003	.0181	.0007	.0026	.0008	.0001
#2	.0002	.0003	.0158	.0004	.0030	.0005	.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	**168890.**	**36203.**	**2208.6**	**6455.7**
Stddev	96.	77.	20.9	45.2
%RSD	.05675	.21345	.94531	.69952
#1	168960.	36258.	2223.3	6487.6
#2	168830.	36149.	2193.8	6423.8

Zoom In Zoom Out

Sample Name: jb67449-5fundconf Acquired: 5/28/2014 14:45:37 Type: Unk
Method: Accutest1(v77) 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	**1.463**	**.0000**	**.0004**	**.1474**	**.0032**	**.0032**	F **15.92**	**.0820**	**-.0002**
Stddev	.003	.0003	.0005	.0019	.0057	.0011	2.00	.0000	.0007
%RSD	.2180	726.3	119.3	1.308	177.4	34.51	12.58	.0196	342.5
#1	1.461	-.0002	.0007	.1460	-.0008	.0024	14.51	.0820	.0003
#2	1.465	.0003	.0001	.1487	.0073	.0040	17.34	.0820	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0061**	**.0133**	**.0031**	**.0032**	**.0016**	**.0082**	**-.0007**	**.1016**	**41.05**
Stddev	.0030	.0122	.0008	.0141	.0003	.0108	.0000	.0019	.19
%RSD	48.27	91.57	27.67	434.9	15.66	132.6	2.425	1.877	.4668
#1	-.0040	.0047	.0037	-.0067	.0014	.0005	-.0007	.1030	40.91
#2	-.0082	.0219	.0025	.0132	.0018	.0158	-.0007	.1003	41.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.693**	**31.61**	**4.479**	**52.32**	**.0458**	**.0014**	**-.0043**	**6.016**	**.0010**
Stddev	.015	.02	.030	.10	.0008	.0002	.0025	.092	.0009
%RSD	.1765	.0761	.6641	.1943	1.818	11.49	58.32	1.527	94.51
#1	8.682	31.59	4.458	52.25	.0452	.0015	-.0025	5.951	.0003
#2	8.704	31.62	4.500	52.40	.0464	.0012	-.0060	6.081	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2665**	**.0008**	**.1808**	**.0002**	**3.282**	**.0028**	**.0015**
Stddev	.0022	.0002	.0175	.0010	.022	.0001	.0003
%RSD	.8365	25.07	9.657	446.2	.6629	2.260	19.19
#1	.2649	.0006	.1931	-.0005	3.266	.0027	.0017
#2	.2681	.0009	.1684	.0009	3.297	.0028	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**36766.**	**2088.3**	**6078.8**
Stddev	-----	97.	26.6	74.1
%RSD	-----	.26283	1.2749	1.2191
#1	164950.	36834.	2107.1	6131.2
#2	-----	36698.	2069.5	6026.4

Zoom In Zoom Out

Sample Name: jb67577-12 Acquired: 5/28/2014 14:51:40 Type: Unk
Method: Accutest1(v77) 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	**.0545**	**.0004**	**.0003**	**.0030**	**.0003**	**.0052**	**.0522**	**.0042**	**-.0012**
Stddev	.0177	.0002	.0002	.0001	.0002	.0040	.0126	.0001	.0005
%RSD	32.43	42.35	60.41	4.672	58.50	77.34	24.20	2.298	41.00
#1	.0670	.0006	.0005	.0029	.0002	.0023	.0432	.0042	-.0008
#2	.0420	.0003	.0002	.0031	.0004	.0080	.0611	.0041	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0323**	**.0014**	**.0012**	**.0076**	**-.0032**	**-.0009**	**1.358**	**25.14**
Stddev	.0000	.0003	.0006	.0004	.0005	.0007	.0004	.451	8.17
%RSD	.7007	.9810	42.59	31.22	6.046	22.42	48.08	33.19	32.51
#1	.0010	.0325	.0019	.0015	.0079	-.0027	-.0006	1.677	30.92
#2	.0010	.0320	.0010	.0009	.0072	-.0037	-.0012	1.039	19.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.822**	**4.749**	**2.689**	**4.892**	**.0302**	**-.0001**	**-.0021**	**2.829**	**-.0011**
Stddev	.934	1.554	.815	1.574	.0000	.0001	.0016	.006	.0001
%RSD	33.08	32.72	30.30	32.17	.0262	72.29	75.49	.2233	12.19
#1	3.482	5.848	3.265	6.005	.0302	-.0001	-.0010	2.833	-.0012
#2	2.162	3.650	2.113	3.779	.0302	-.0002	-.0032	2.824	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1650**	**.0003**	**-.0019**	**-.0001**	**20.38**	**.0027**	**.0007**
Stddev	.0535	.0002	.0006	.0001	.12	.0009	.0004
%RSD	32.40	64.52	31.92	112.9	.5669	31.57	65.07
#1	.2029	.0002	-.0015	.0000	20.46	.0033	.0010
#2	.1272	.0005	-.0024	-.0001	20.30	.0021	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	*****	**2181.8**	**6410.1**
Stddev	-----	-----	1.5	10.9
%RSD	-----	-----	.06930	.17079
#1	-----	-----	2180.8	6402.4
#2	-----	36896.	2182.9	6417.9

Zoom In Zoom Out

Sample Name: jb67577-15 Acquired: 5/28/2014 14:57:39 Type: Unk
Method: Accutest1(v77) 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	**.0142**	**.0000**	**.0001**	**-.0001**	**.0009**	**.0023**	**.0015**	**.0013**	**.0001**
Stddev	.0002	.0000	.0000	.0002	.0001	.0001	.0001	.0004	.0001
%RSD	1.293	26.66	20.49	306.9	10.83	4.592	6.409	33.18	66.88
#1	.0141	.0000	.0001	.0001	.0009	.0023	.0016	.0016	.0001
#2	.0144	.0000	.0001	-.0002	.0008	.0022	.0015	.0010	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0029**	**.0010**	**.0018**	**.0017**	**-.0010**	**-.0010**	**.1095**	**32.55**
Stddev	.0001	.0000	.0000	.0005	.0001	.0001	.0015	.0024	.20
%RSD	19.91	.0355	3.211	30.69	5.456	6.688	140.5	2.204	.6292
#1	.0006	.0029	.0010	.0014	.0016	-.0009	.0000	.1112	32.70
#2	.0009	.0029	.0009	.0021	.0017	-.0010	-.0021	.1078	32.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7628**	**4.407**	**2.112**	**1.984**	**.0232**	**-.0004**	**.0000**	**1.585**	**-.0015**
Stddev	.0017	.052	.010	.007	.0000	.0001	.0003	.006	.0006
%RSD	.2251	1.178	.4671	.3458	.0923	35.00	2117.	.3689	36.44
#1	.7640	4.444	2.106	1.979	.0233	-.0005	.0002	1.580	-.0011
#2	.7616	4.371	2.119	1.989	.0232	-.0003	-.0002	1.589	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1811**	**.0009**	**-.0018**	**-.0004**	**2.484**	**.0029**	**-.0001**
Stddev	.0009	.0003	.0009	.0000	.010	.0010	.0002
%RSD	.5224	37.45	47.38	4.690	.4132	35.52	137.4
#1	.1805	.0011	-.0025	-.0004	2.477	.0022	-.0002
#2	.1818	.0007	-.0012	-.0004	2.491	.0036	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167480.**	**36658.**	**2165.3**	**6365.4**
Stddev	169.	76.	11.5	22.7
%RSD	.10117	.20643	.53050	.35609
#1	167360.	36604.	2173.4	6381.4
#2	167600.	36711.	2157.2	6349.4

Zoom In Zoom Out

Sample Name: jb67577-19 Acquired: 5/28/2014 15:03:39 Type: Unk
Method: Accutest1(v77) 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	**.1679**	**.0003**	**.0005**	**.0050**	**.0019**	**.0013**	**.0968**	**.0038**	**-.0001**
Stddev	.0012	.0000	.0001	.0002	.0001	.0001	.0002	.0001	.0002
%RSD	.7037	3.601	20.05	3.369	7.159	9.182	.2555	3.895	180.0
#1	.1670	.0003	.0004	.0051	.0018	.0012	.0969	.0039	-.0003
#2	.1687	.0003	.0005	.0049	.0020	.0014	.0966	.0037	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0069**	**.0017**	**.0013**	**.0030**	**-.0010**	**-.0011**	**.5370**	**19.32**
Stddev	.0001	.0000	.0010	.0008	.0003	.0008	.0002	.0154	.19
%RSD	17.85	.5037	62.60	59.65	11.35	82.97	14.96	2.868	.9745
#1	.0003	.0069	.0009	.0018	.0028	-.0016	-.0013	.5261	19.19
#2	.0004	.0068	.0024	.0007	.0033	-.0004	-.0010	.5479	19.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0760**	**10.99**	**2.174**	**10.28**	**.0169**	**-.0003**	**-.0005**	**1.933**	**-.0007**
Stddev	.0004	.09	.023	.05	.0002	.0001	.0002	.001	.0001
%RSD	.5813	.8217	1.063	.4950	1.441	32.47	46.93	.0653	11.76
#1	.0757	10.93	2.157	10.24	.0170	-.0002	-.0006	1.934	-.0007
#2	.0763	11.06	2.190	10.31	.0167	-.0003	-.0003	1.932	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1095**	**.0024**	**-.0014**	**-.0006**	**7.306**	**.0023**	**.0001**
Stddev	.0009	.0001	.0010	.0000	.009	.0001	.0004
%RSD	.7966	5.439	66.68	6.288	.1266	2.593	533.6
#1	.1089	.0023	-.0021	-.0006	7.313	.0024	.0004
#2	.1102	.0025	-.0008	-.0005	7.300	.0023	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168580.**	**36959.**	**2174.2**	**6358.3**
Stddev	459.	398.	1.9	.2
%RSD	.27203	1.0765	.08735	.00391
#1	168260.	37240.	2175.6	6358.5
#2	168910.	36677.	2172.9	6358.1

Zoom In Zoom Out

Sample Name: jb65341-20pconf Acquired: 5/28/2014 15:17:51 Type: Unk
Method: Accutest1(v77) 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	**1.754**	**1.867**	**2.471**	**.0453**	**4.340**	**.0432**	**5.176**	**2.221**	**.8148**
Stddev	.005	.008	.026	.0016	.007	.0002	.001	.026	.0003
%RSD	.3069	.4308	1.052	3.640	.1619	.4440	.0177	1.194	.0376
#1	1.758	1.872	2.489	.0464	4.345	.0433	5.176	2.240	.8145
#2	1.750	1.861	2.453	.0441	4.335	.0431	5.175	2.202	.8150

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0105**	**1.795**	**1.765**	**.0002**	**1.651**	**2.234**	**2.557**	**3.423**	**172.6**
Stddev	.0001	.018	.010	.0040	.018	.023	.020	.068	.8
%RSD	.8961	1.033	.5783	1784.	1.080	1.022	.7657	1.976	.4347
#1	.0105	1.808	1.772	-.0026	1.663	2.251	2.571	3.471	173.2
#2	.0106	1.782	1.758	.0030	1.638	2.218	2.543	3.375	172.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.426**	**11.23**	**8.712**	**1146.**	**.1595**	**-.0012**	**.0014**	**6.334**	**.0023**
Stddev	.002	.08	.000	22.	.0040	.0007	.0003	.064	.0007
%RSD	.1382	.7240	.0036	1.885	2.516	56.05	18.23	1.017	30.71
#1	1.427	11.29	8.712	1161.	.1623	-.0017	.0016	6.380	.0018
#2	1.425	11.17	8.712	1131.	.1566	-.0007	.0012	6.288	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6626**	**.0809**	**.0060**	**.0255**	**2.577**	**-.0034**	**.0222**
Stddev	.0024	.0014	.0005	.0001	.016	.0017	.0002
%RSD	.3589	1.725	7.596	.4847	.6338	49.55	1.047
#1	.6643	.0799	.0063	.0254	2.588	-.0046	.0220
#2	.6609	.0819	.0056	.0255	2.565	-.0022	.0224

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**158260.**	**35265.**	**2033.7**	**5641.4**
Stddev	356.	166.	14.6	38.1
%RSD	.22488	.46929	.71785	.67583
#1	158010.	35148.	2023.4	5614.5
#2	158520.	35382.	2044.1	5668.4

Zoom In Zoom Out

Sample Name: jb67617-5 2 Acquired: 5/28/2014 15:23:53 Type: Unk
Method: Accutest1(v77) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: stop here 5/28/14

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0608**	**.0001**	**.0004**	**-.0002**	**.0014**	**.0010**	**.3523**	**.0149**
Stddev	.0002	.0000	.0001	.0002	.0000	.0002	.0000	.0002
%RSD	.2924	17.52	16.67	99.80	2.205	22.08	.0009	1.203
#1	.0609	.0001	.0004	-.0004	.0014	.0011	.3522	.0151
#2	.0607	.0001	.0004	-.0001	.0014	.0008	.3523	.0148

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**.0000**	**.0284**	**.0015**	F **-.0089**	**.0012**	**-.0002**	**-.0001**
Stddev	.0000	.0000	.0002	.0005	.0005	.0002	.0003	.0001
%RSD	12.26	272.6	.8669	33.24	5.868	15.80	156.9	73.43
#1	.0004	.0000	.0286	.0012	-.0085	.0013	-.0004	-.0002
#2	.0004	.0000	.0283	.0019	-.0092	.0010	.0000	-.0001

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0636**	**17.54**	**.1605**	**7.757**	**.8375**	**7.583**	**.0264**	**-.0001**
Stddev	.0004	.01	.0004	.006	.0361	.010	.0000	.0001
%RSD	.6827	.0664	.2475	.0838	4.306	.1339	.0704	121.1
#1	.0633	17.55	.1607	7.762	.8630	7.590	.0264	-.0002
#2	.0639	17.54	.1602	7.752	.8120	7.576	.0264	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**7.543**	**-.0009**	**.0987**	**.0013**	**-.0001**	**-.0014**	**11.26**
Stddev	.0001	.004	.0000	.0003	.0003	.0004	.0001	.03
%RSD	519.9	.0559	4.681	.3466	19.33	824.3	5.682	.2340
#1	.0000	7.546	-.0009	.0990	.0011	-.0004	-.0015	11.28
#2	.0001	7.540	-.0009	.0985	.0015	.0003	-.0014	11.24

Elem	Bi2230	Li6707
Avg	**-.0010**	**.0032**
Stddev	.0007	.0003
%RSD	65.46	7.850
#1	-.0005	.0034
#2	-.0015	.0030

Zoom In Zoom Out

Sample Name: jb67617-5 2 Acquired: 5/28/2014 15:23:53 Type: Unk
Method: Accutest1(v77) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: stop here 5/28/14

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166700.**	**36047.**	**2163.9**	**6318.2**
Stddev	.	51.	3.5	22.3
%RSD	.00014	.14259	.16283	.35281
#1	166700.	36083.	2161.4	6302.4
#2	166700.	36010.	2166.4	6334.0

Zoom In Zoom Out

Sample Name: mpconf Acquired: 5/28/2014 15:30:31 Type: Unk
Method: Accutest1(v77) 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	**2.070**	**.0546**	**.0513**	**.4909**	**.2153**	**.2340**	**.5529**	**.5129**	**.0402**
Stddev	.119	.0032	.0066	.0017	.0011	.0014	.0011	.0010	.0006
%RSD	5.749	5.893	12.86	.3466	.5169	.5963	.2045	.1943	1.388
#1	1.986	.0524	.0559	.4921	.2145	.2330	.5521	.5136	.0398
#2	2.154	.0569	.0466	.4897	.2161	.2349	.5537	.5122	.0406

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5038**	**.5583**	**1.962**	**2.066**	**.5066**	**2.059**	**.4854**	**2.030**	**-.0276**
Stddev	.0024	.0022	.003	.012	.0017	.002	.0016	.124	.0419
%RSD	.4860	.3912	.1295	.5855	.3353	.1011	.3260	6.095	151.9
#1	.5021	.5598	1.964	2.057	.5078	2.058	.4865	1.942	.0021
#2	.5055	.5567	1.961	2.074	.5054	2.061	.4843	2.117	-.0573

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.112**	**-.0264**	**-.0109**	**.0312**	**.0000**	**.0009**	**-.0022**	**.0056**	**-.0001**
Stddev	.069	.0017	.0159	.0021	.001	.0000	.0021	.0048	.0004
%RSD	6.195	6.346	145.5	6.766	2085.	5.418	91.78	86.78	441.3
#1	1.063	-.0253	.0003	.0327	-.0004	.0009	-.0037	.0090	-.0004
#2	1.161	-.0276	-.0221	.0297	.0004	.0010	-.0008	.0022	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0015**	**.0024**	**-.0011**	**.0085**	**-.0016**	**.0007**
Stddev	.0000	.0002	.0021	.0010	.0005	.0004	.0001
%RSD	69.92	13.23	88.85	93.36	5.541	24.26	15.34
#1	.0001	.0017	.0038	-.0004	.0088	-.0018	.0007
#2	.0000	.0014	.0009	-.0018	.0081	-.0013	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164760.**	*****	**2229.7**	**6484.4**
Stddev	405.	-----	2.4	4.9
%RSD	.24565	-----	.10694	.07631
#1	165040.	-----	2228.0	6480.9
#2	164470.	33302.	2231.3	6487.9

Zoom In Zoom Out

Sample Name: jb67617-6 Acquired: 5/28/2014 15:36:27 Type: Unk
Method: Accutest1(v77) 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	**.2174**	**-.0006**	**.0013**	**.0085**	**-.0013**	**.0046**	F **22.05**	**.0278**
Stddev	.0001	.0000	.0002	.0001	.0002	.0001	.05	.0005
%RSD	.0441	5.956	11.64	1.411	18.61	1.796	.2238	1.976
#1	.2175	-.0006	.0012	.0084	-.0014	.0046	22.09	.0274
#2	.2174	-.0006	.0014	.0085	-.0011	.0045	22.02	.0282

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**-.0096**	**.0071**	**.0002**	F **-.0063**	**.0027**	**.0069**	**-.0002**
Stddev	.0001	.0001	.0000	.0008	.0000	.0005	.0002	.0001
%RSD	41.15	1.259	.6555	312.9	.4356	19.66	3.007	51.89
#1	.0001	-.0095	.0071	-.0003	-.0063	.0023	.0067	-.0002
#2	.0003	-.0097	.0071	.0008	-.0063	.0030	.0070	-.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1296**	**69.28**	**.0771**	**37.34**	**1.130**	**7.536**	**.0906**	**-.0001**
Stddev	.0062	.03	.0006	.01	.013	.013	.0020	.0001
%RSD	4.770	.0393	.7422	.0325	1.178	.1764	2.226	124.0
#1	.1340	69.30	.0775	37.33	1.139	7.545	.0892	.0000
#2	.1253	69.26	.0767	37.35	1.120	7.526	.0920	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0015**	**8.483**	**-.0018**	**.3540**	**.0004**	**.0026**	**-.0007**	**2.242**
Stddev	.0006	.128	.0010	.0008	.0001	.0008	.0001	.026
%RSD	39.51	1.513	56.32	.2259	17.70	31.08	19.36	1.174
#1	-.0019	8.393	-.0011	.3545	.0004	.0020	-.0006	2.224
#2	-.0011	8.574	-.0025	.3534	.0005	.0032	-.0008	2.261

Elem	Bi2230	Li6707
Avg	**.0007**	**.0056**
Stddev	.0001	.0004
%RSD	19.91	7.223
#1	.0006	.0059
#2	.0008	.0053

Zoom In Zoom Out

Sample Name: jb67617-6 Acquired: 5/28/2014 15:36:27 Type: Unk
Method: Accutest1(v77) 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	**162330.**	**35397.**	**2086.4**	**6005.6**
Stddev	155.	52.	23.2	60.8
%RSD	.09549	.14759	1.1102	1.0124
#1	162440.	35434.	2102.8	6048.6
#2	162220.	35360.	2070.0	5962.6

Zoom In Zoom Out

Sample Name: jb67617-7 Acquired: 5/28/2014 15:42:33 Type: Unk
Method: Accutest1(v77) 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	**.0295**	**.0000**	**.0003**	**-.0004**	**.0008**	**.0241**	**.0094**	**.0066**
Stddev	.0019	.0000	.0000	.0000	.0004	.0006	.0001	.0001
%RSD	6.335	120.6	12.11	12.52	45.51	2.399	1.562	1.472
#1	.0282	.0001	.0002	-.0003	.0010	.0245	.0095	.0066
#2	.0308	.0000	.0003	-.0004	.0005	.0237	.0093	.0065

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0000**	**.0096**	**.0024**	F **-.0131**	**.0012**	**-.0006**	**-.0003**
Stddev	.0005	.0001	.0002	.0008	.0010	.0004	.0001	.0000
%RSD	215.7	194.8	2.368	31.88	7.657	31.07	15.88	18.06
#1	-.0001	.0001	.0095	.0019	-.0124	.0009	-.0005	-.0002
#2	.0006	.0000	.0098	.0029	-.0138	.0015	-.0006	-.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0377**	**11.14**	**.0406**	**4.634**	**.2164**	**5.384**	**.0424**	**.0001**
Stddev	.0045	.75	.0033	.314	.0243	.334	.0001	.0000
%RSD	11.86	6.717	8.238	6.784	11.22	6.205	.3285	25.35
#1	.0345	10.61	.0382	4.412	.1993	5.148	.0423	.0001
#2	.0409	11.67	.0430	4.856	.2336	5.620	.0425	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0012**	**11.06**	**-.0014**	**.0495**	**.0006**	**.0007**	**-.0018**	**13.11**
Stddev	.0002	.00	.0009	.0032	.0001	.0000	.0000	.03
%RSD	17.04	.0020	63.18	6.539	10.32	2.220	1.654	.2665
#1	.0011	11.06	-.0020	.0472	.0006	.0007	-.0018	13.09
#2	.0014	11.06	-.0008	.0518	.0005	.0008	-.0019	13.14

Elem	Bi2230	Li6707
Avg	**-.0009**	**.0042**
Stddev	.0005	.0001
%RSD	57.06	2.083
#1	-.0012	.0043
#2	-.0005	.0042

Zoom In Zoom Out

Sample Name: jb67617-7 Acquired: 5/28/2014 15:42:33 Type: Unk
Method: Accutest1(v77) 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	**166370.**	**36464.**	**2183.1**	**6378.2**
Stddev	3221.	1972.	.8	1.1
%RSD	1.9362	5.4068	.03712	.01687
#1	164090.	37858.	2183.7	6377.4
#2	168650.	35069.	2182.5	6378.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 15:48:34 Type: Unk
Method: Accutest1(v77) 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	**1.883**	**1.955**	**1.970**	**1.990**	**2.021**	**1.911**	**2.080**	**2.020**	**.2376**
Stddev	.015	.021	.095	.081	.007	.007	.002	.084	.0064
%RSD	.7804	1.058	4.798	4.066	.3272	.3826	.0877	4.136	2.698
#1	1.894	1.970	1.904	1.933	2.016	1.916	2.082	1.961	.2421
#2	1.873	1.941	2.037	2.048	2.026	1.905	2.079	2.079	.2330

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.965**	**2.102**	**1.981**	**2.001**	**2.001**	**2.029**	**1.934**	**37.58**	**38.50**
Stddev	.021	.157	.128	.036	.075	.198	.083	.32	.31
%RSD	1.097	7.465	6.483	1.788	3.736	9.779	4.280	.8534	.8163
#1	1.980	1.991	1.890	1.975	1.948	1.888	1.876	37.80	38.72
#2	1.949	2.213	2.072	2.026	2.054	2.169	1.993	37.35	38.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**38.49**	**38.04**	**37.40**	**37.60**	**1.995**	**1.985**	**1.889**	**4.966**	**2.006**
Stddev	.38	.48	.54	.46	.147	.088	.026	.351	.088
%RSD	.9883	1.271	1.443	1.231	7.385	4.441	1.353	7.069	4.372
#1	38.76	38.39	37.78	37.93	1.891	1.923	1.907	4.717	1.944
#2	38.22	37.70	37.02	37.28	2.100	2.048	1.871	5.214	2.068

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.945**	**2.002**	**1.904**	**2.000**	**1.924**	**1.926**	**1.867**
Stddev	.017	.003	.113	.000	.081	.083	.018
%RSD	.8882	.1503	5.954	.0220	4.226	4.330	.9869
#1	1.957	2.000	1.824	2.001	1.867	1.867	1.880
#2	1.933	2.004	1.985	2.000	1.982	1.985	1.854

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**161750.**	*****	**2143.6**	**6021.3**
Stddev	30.	-----	77.8	202.9
%RSD	.01854	-----	3.6299	3.3702
#1	161730.	36477.	2198.7	6164.8
#2	161770.	-----	2088.6	5877.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 15:54:26 Type: QC
Method: Accutest1(v77) 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**	**.0003**	**.0001**	**.0001**	**.0003**	**.0000**	**.0003**	**.0001**	**.0001**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0000	.0001	.0001
%RSD	22.36	17.21	163.6	48.80	.0933	540.8	6.182	198.4	142.4
#1	.0004	.0003	.0002	.0001	.0003	-.0001	.0003	.0002	.0002
#2	.0003	.0002	.0000	.0001	.0003	.0001	.0003	.0000	.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	**.0001**	**-.0007**	**.0008**	**.0013**	**.0006**	**-.0041**	**.0001**	**-.0233**	**-.0161**
Stddev	.0001	.0003	.0005	.0007	.0000	.0009	.0001	.0053	.0006
%RSD	156.4	37.60	59.48	58.00	1.734	22.65	78.57	22.78	3.902
#1	.0001	-.0005	.0011	.0008	.0006	-.0047	.0001	-.0270	-.0157
#2	.0000	-.0009	.0005	.0018	.0006	-.0034	.0000	-.0195	-.0166
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	**-.0068**	**-.0252**	**.0051**	**.0192**	**.0009**	**.0007**	**-.0002**	**.0013**	**.0002**
Stddev	.0002	.0016	.0058	.0027	.0003	.0001	.0001	.0006	.0004
%RSD	3.512	6.535	115.4	14.13	39.56	11.50	57.15	45.66	174.9
#1	-.0069	-.0240	.0009	.0211	.0006	.0006	-.0003	.0017	-.0001
#2	-.0066	-.0263	.0092	.0173	.0011	.0008	-.0001	.0008	.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: 5/28/2014 15:54:26 Type: QC
Method: Accutest1(v77) 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**	**.0159**	**.0006**	**.0013**	**.0007**	**.0010**
Stddev	.0001	.0001	.0013	.0001	.0003	.0002	.0005
%RSD	27.85	30.02	8.288	16.44	22.58	31.05	50.74
#1	.0003	.0005	.0168	.0007	.0011	.0008	.0013
#2	.0002	.0003	.0149	.0006	.0015	.0005	.0006
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	**169730.**	**36386.**	**2235.7**	**6510.0**
Stddev	801.	121.	.9	2.0
%RSD	.47167	.33254	.04007	.03004
#1	170300.	36472.	2236.3	6511.4
#2	169170.	36300.	2235.0	6508.6

Zoom In Zoom Out

Sample Name: mp-013-652-spconf Acquired: 5/28/2014 16:01:03 Type: Unk
Method: Accutest1(v77) 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	**2.008**	**.0534**	**.0474**	**.5106**	**.2152**	**.2320**	**.5512**	**.5322**	**.0482**
Stddev	.005	.0001	.0004	.0068	.0013	.0002	.0019	.0061	.0002
%RSD	.2711	.2708	.7570	1.329	.5849	.0791	.3514	1.151	.3435
#1	2.004	.0535	.0472	.5058	.2143	.2322	.5498	.5279	.0483
#2	2.012	.0533	.0477	.5154	.2160	.2319	.5526	.5365	.0481

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5033**	**.5785**	**1.983**	**2.096**	**.5140**	**2.070**	**.4900**	**1.961**	**-.0587**
Stddev	.0015	.0074	.020	.026	.0062	.022	.0063	.007	.0017
%RSD	.2973	1.271	1.030	1.224	1.209	1.065	1.290	.3668	2.920
#1	.5022	.5733	1.968	2.078	.5096	2.055	.4856	1.956	-.0574
#2	.5043	.5837	1.997	2.115	.5184	2.086	.4945	1.966	-.0599

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.082**	**-.0256**	**-.0020**	**.0137**	**.0002**	**.0012**	**-.0015**	**.0019**	**.0003**
Stddev	.003	.0069	.0025	.0036	.0006	.0001	.0009	.0001	.0008
%RSD	.3137	27.11	127.4	26.20	314.0	6.794	61.53	6.029	297.9
#1	1.085	-.0305	-.0037	.0112	.0006	.0012	-.0022	.0018	.0008
#2	1.080	-.0207	-.0002	.0163	-.0002	.0013	-.0009	.0020	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0015**	**.0119**	**-.0010**	**.0052**	**-.0024**	**.0013**
Stddev	.0000	.0001	.0006	.0001	.0013	.0004	.0000
%RSD	17.77	3.511	5.091	5.071	24.37	18.54	1.204
#1	.0002	.0015	.0123	-.0011	.0061	-.0021	.0013
#2	.0002	.0016	.0115	-.0010	.0043	-.0027	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170440.**	**36295.**	**2227.3**	**6477.0**
Stddev	157.	16.	17.8	64.5
%RSD	.09237	.04510	.80129	.99615
#1	170550.	36283.	2239.9	6522.6
#2	170330.	36306.	2214.6	6431.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 16:11:35 Type: QC
Method: Accutest1(v77) 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	**1.941**	**2.025**	**1.997**	**2.019**	**2.038**	**1.926**	**2.112**	**2.054**	**.2447**
Stddev	.045	.046	.009	.001	.029	.021	.028	.000	.0025
%RSD	2.326	2.264	.4404	.0440	1.425	1.118	1.310	.0186	1.027
#1	1.973	2.057	2.003	2.019	2.059	1.941	2.131	2.053	.2465
#2	1.909	1.992	1.991	2.018	2.018	1.911	2.092	2.054	.2429
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**	**2.080**	**1.988**	**2.058**	**2.037**	**1.972**	**1.965**	**38.94**	**39.91**
Stddev	.029	.006	.007	.012	.004	.010	.007	.93	.80
%RSD	1.458	.2740	.3662	.5793	.1908	.5135	.3830	2.398	1.993
#1	2.022	2.084	1.994	2.066	2.040	1.979	1.971	39.60	40.47
#2	1.981	2.076	1.983	2.049	2.035	1.965	1.960	38.28	39.34
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	**39.80**	**39.34**	**38.82**	**38.87**	**1.988**	**2.018**	**1.916**	**4.967**	**2.041**
Stddev	.89	.78	.88	.96	.004	.007	.022	.016	.007
%RSD	2.229	1.981	2.259	2.465	.1884	.3289	1.165	.3300	.3470
#1	40.43	39.89	39.44	39.55	1.991	2.022	1.932	4.979	2.046
#2	39.17	38.79	38.20	38.19	1.985	2.013	1.900	4.956	2.036
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: 5/28/2014 16:11:35 Type: QC
Method: Accutest1(v77) 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	**2.010**	**2.024**	**2.045**	**2.027**	**1.938**	**1.958**	**1.925**
Stddev	.048	.026	.007	.025	.014	.007	.048
%RSD	2.374	1.294	.3621	1.252	.7238	.3694	2.489
#1	2.044	2.043	2.040	2.045	1.948	1.963	1.959
#2	1.976	2.006	2.050	2.009	1.928	1.953	1.891
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	**160250.**	**35592.**	**2116.0**	**5943.5**
Stddev	1530.	673.	1.8	12.1
%RSD	.95488	1.8908	.08628	.20276
#1	159160.	35116.	2114.7	5952.0
#2	161330.	36068.	2117.3	5935.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 16:17:26 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0001**	**-.0005**	**.0000**	**-.0002**	**.0001**
Stddev	.0001	.000	.0000	.0000	.0002	.0001	.0000	.0003	.0001
%RSD	55.35	219.6	24.98	9.288	245.1	16.52	3682.	135.4	133.8
#1	.0001	.0000	-.0001	.0001	.0002	-.0004	.0000	.0000	.0000
#2	.0002	.0000	-.0001	.0001	-.0001	-.0005	.0000	-.0004	.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**	**-.0011**	**.0005**	**-.0001**	**-.0005**	**-.0032**	**-.0001**	**-.0235**	**-.0223**
Stddev	.0001	.0000	.0003	.0009	.0005	.0006	.0007	.0018	.0019
%RSD	147.0	3.563	73.41	642.8	98.58	19.69	1225.	7.874	8.304
#1	.0000	-.0011	.0002	.0005	-.0001	-.0036	.0004	-.0221	-.0210
#2	-.0002	-.0011	.0007	-.0008	-.0008	-.0027	-.0006	-.0248	-.0236
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	**-.0119**	**-.0300**	**-.0102**	**.0119**	**.0006**	**.0010**	**.0000**	**.0005**	**.0001**
Stddev	.0001	.0021	.0103	.0042	.0001	.0002	.001	.0003	.0006
%RSD	.9067	7.149	100.5	35.00	12.23	20.69	3494.	69.85	846.5
#1	-.0118	-.0285	-.0175	.0090	.0007	.0012	.0005	.0002	.0005
#2	-.0119	-.0315	-.0030	.0149	.0006	.0009	-.0005	.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: 5/28/2014 16:17:26 Type: QC
Method: Accutest1(v77) 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**	**.0215**	**.0008**	**-.0014**	**.0004**	**.0006**
Stddev	.0000	.0001	.0020	.0000	.0029	.0005	.0001
%RSD	26.97	25.53	9.431	6.091	208.1	131.2	23.45
#1	.0000	.0003	.0229	.0008	-.0035	.0007	.0007
#2	.0000	.0004	.0201	.0008	.0007	.0000	.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	**170830.**	**35602.**	**2229.1**	**6475.6**
Stddev	822.	226.	10.9	18.2
%RSD	.48137	.63599	.48842	.28055
#1	170240.	35442.	2236.8	6488.5
#2	171410.	35762.	2221.4	6462.8

Zoom In Zoom Out

Sample Name: mp79703-mb1 1 Acquired: 5/28/2014 16:23:31 Type: Unk
Method: Accutest1(v77) 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**	**.0000**	**-.0002**	**.0002**	**.0001**	**.0004**	**.0002**	**.0003**	**.0000**
Stddev	.0001	.0000	.0001	.0002	.0001	.0002	.0000	.0001	.000
%RSD	19.73	284.4	61.06	153.0	132.1	58.21	.2828	30.41	583.3
#1	.0003	.0000	-.0002	.0003	.0000	.0006	.0002	.0003	.0000
#2	.0005	.0000	-.0001	.0000	.0001	.0002	.0002	.0002	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0009**	**.0009**	**.0013**	**.0010**	**-.0034**	**-.0004**	**-.0192**	**.0762**
Stddev	.0000	.0000	.0006	.0005	.0004	.0008	.0005	.0012	.0007
%RSD	4.613	4.820	65.47	39.78	38.48	24.80	112.8	6.456	.8566
#1	.0001	.0009	.0013	.0009	.0007	-.0040	-.0007	-.0183	.0767
#2	.0001	.0009	.0005	.0017	.0013	-.0028	-.0001	-.0201	.0758

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0015**	**.0011**	**.0043**	**.0488**	**.0004**	**.0001**	**.0001**	**.0160**	**-.0006**
Stddev	.0001	.0048	.0183	.0002	.0001	.0001	.0000	.0008	.0004
%RSD	7.464	431.2	426.3	.3150	16.73	64.52	31.41	4.740	69.54
#1	.0015	.0045	.0172	.0489	.0004	.0001	.0002	.0165	-.0003
#2	.0014	-.0023	-.0086	.0486	.0005	.0002	.0001	.0155	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0002**	**.0072**	**.0001**	**.0043**	**.0011**	**.0003**
Stddev	.0000	.0002	.0006	.0001	.0012	.0004	.0003
%RSD	7.547	74.20	9.015	222.5	27.11	35.67	97.53
#1	.0003	.0001	.0077	.0000	.0052	.0008	.0001
#2	.0004	.0004	.0067	.0002	.0035	.0013	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168930.**	**36359.**	**2240.6**	**6526.2**
Stddev	2751.	88.	19.4	43.4
%RSD	1.6282	.24144	.86714	.66452
#1	166990.	36421.	2226.9	6495.5
#2	170880.	36297.	2254.3	6556.9

Zoom In Zoom Out

Sample Name: mp79703-lc1 Acquired: 5/28/2014 16:29:32 Type: Unk
Method: Accutest1(v77) 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	**.5005**	**.5108**	**.5123**	**.4921**	**.5092**	**.4561**	**.5275**	**.5165**	**.1928**
Stddev	.0036	.0060	.0111	.0101	.0085	.0081	.0108	.0104	.0034
%RSD	.7093	1.174	2.168	2.053	1.663	1.779	2.041	2.016	1.749
#1	.4980	.5066	.5044	.4850	.5152	.4619	.5352	.5091	.1952
#2	.5030	.5151	.5201	.4993	.5032	.4504	.5199	.5238	.1905

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4834**	**.5599**	**.5090**	**.5404**	**.5182**	**.5452**	**.4980**	**4.950**	**5.623**
Stddev	.0094	.0130	.0102	.0128	.0112	.0126	.0107	.059	.078
%RSD	1.951	2.318	1.997	2.373	2.164	2.308	2.152	1.203	1.388
#1	.4901	.5507	.5018	.5314	.5103	.5363	.4904	4.908	5.568
#2	.4768	.5691	.5161	.5495	.5261	.5541	.5056	4.992	5.678

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.700**	**5.490**	**10.05**	**10.14**	**-.0031**	**.4950**	**-.0006**	**-.0110**	**-.0005**
Stddev	.072	.101	.08	.07	.0001	.0114	.0004	.0017	.0002
%RSD	1.266	1.835	.8380	.6979	4.471	2.296	64.31	15.33	42.39
#1	5.649	5.418	9.988	10.09	-.0032	.4870	-.0009	-.0122	-.0007
#2	5.751	5.561	10.11	10.19	-.0030	.5031	-.0003	-.0098	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.5005**	**.0102**	**.0021**	**.0086**	**-.0009**	**.0001**
Stddev	.000	.0102	.0004	.0002	.0023	.0005	.0007
%RSD	57.55	2.034	3.556	7.295	26.15	50.04	594.2
#1	.0000	.5077	.0104	.0023	.0070	-.0006	-.0004
#2	.0000	.4933	.0099	.0020	.0102	-.0013	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168730.**	**35980.**	**2176.2**	**6318.6**
Stddev	2700.	437.	38.8	102.8
%RSD	1.6001	1.2159	1.7830	1.6266
#1	166820.	36290.	2203.6	6391.3
#2	170640.	35671.	2148.7	6245.9

Zoom In Zoom Out

Sample Name: mp79703-s1 Acquired: 5/28/2014 16:35:23 Type: Unk
Method: Accutest1(v77) 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	**2.060**	**.0455**	**.0479**	**.4816**	**.1820**	**.2206**	F **11.12**	**.4969**	**.0372**
Stddev	.087	.0018	.0001	.0022	.0008	.0004	.11	.0024	.0001
%RSD	4.236	3.930	.2694	.4584	.4632	.1998	1.030	.4901	.3015
#1	1.998	.0442	.0480	.4832	.1814	.2203	11.04	.4986	.0371
#2	2.122	.0467	.0478	.4801	.1826	.2209	11.20	.4952	.0373

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4374**	**.5702**	**1.973**	**1.932**	**.4831**	**2.139**	**.4766**	**2.331**	**164.9**
Stddev	.0019	.0027	.015	.015	.0021	.009	.0018	.100	6.6
%RSD	.4314	.4691	.7405	.7951	.4359	.3997	.3704	4.271	4.007
#1	.4360	.5721	1.983	1.942	.4846	2.145	.4779	2.260	160.2
#2	.4387	.5683	1.963	1.921	.4816	2.133	.4754	2.401	169.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.608**	**54.75**	**26.77**	**182.1**	**.0323**	**.0004**	**-.0007**	**5.412**	**-.0018**
Stddev	.138	2.04	1.08	7.3	.0001	.0002	.0006	.027	.0005
%RSD	3.828	3.719	4.048	4.023	.3230	63.54	83.69	.4968	27.23
#1	3.510	53.31	26.01	177.0	.0324	.0006	-.0003	5.431	-.0015
#2	3.706	56.19	27.54	187.3	.0322	.0002	-.0011	5.393	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4360**	**.0160**	**.0100**	**-.0020**	**22.79**	**.0002**	**.0342**
Stddev	.0187	.0002	.0009	.0000	.22	.0007	.0017
%RSD	4.291	1.560	8.772	.6432	.9578	288.6	4.856
#1	.4228	.0158	.0106	-.0020	22.94	-.0002	.0330
#2	.4493	.0162	.0094	-.0020	22.63	.0007	.0353

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**158040.**	**36380.**	**2011.4**	**5582.7**
Stddev	1138.	1195.	6.8	15.2
%RSD	.71974	3.2837	.33954	.27296
#1	158840.	37225.	2006.5	5571.9
#2	157240.	35535.	2016.2	5593.5

Zoom In Zoom Out

Sample Name: mp79703-s2 Acquired: 5/28/2014 16:41:32 Type: Unk
Method: Accutest1(v77) 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	**2.103**	**.0467**	**.0475**	**.4755**	**.1819**	**.2216**	F **11.21**	**.4926**	**.0374**
Stddev	.002	.0000	.0001	.0001	.0005	.0005	.02	.0015	.0002
%RSD	.1159	.0554	.1105	.0121	.2761	.2426	.2172	.3010	.4780
#1	2.101	.0467	.0476	.4756	.1815	.2212	11.19	.4936	.0373
#2	2.105	.0467	.0475	.4755	.1822	.2220	11.23	.4915	.0376

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4383**	**.5678**	**1.957**	**1.911**	**.4772**	**2.123**	**.4724**	**2.351**	**165.6**
Stddev	.0002	.0007	.006	.003	.0002	.001	.0002	.007	1.0
%RSD	.0347	.1256	.2945	.1376	.0425	.0281	.0409	.2980	.6196
#1	.4384	.5673	1.961	1.910	.4774	2.123	.4723	2.346	164.9
#2	.4382	.5683	1.953	1.913	.4771	2.124	.4725	2.356	166.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.670**	**56.00**	**27.22**	**186.5**	**.0317**	**.0002**	**-.0005**	**5.337**	**-.0022**
Stddev	.003	.28	.12	.4	.0002	.0001	.0000	.006	.0006
%RSD	.0788	.5031	.4402	.2128	.5011	70.91	3.957	.1192	25.53
#1	3.667	56.20	27.14	186.2	.0316	.0002	-.0006	5.333	-.0026
#2	3.672	55.80	27.31	186.8	.0318	.0001	-.0005	5.342	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4449**	**.0152**	**.0083**	**-.0022**	**22.56**	**.0000**	**.0347**
Stddev	.0010	.0004	.0007	.0000	.03	.0009	.0001
%RSD	.2297	2.349	7.986	1.235	.1213	2272.	.1521
#1	.4442	.0150	.0087	-.0021	22.58	.0007	.0347
#2	.4456	.0155	.0078	-.0022	22.54	-.0006	.0347

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**155540.**	**35215.**	**1996.6**	**5548.4**
Stddev	353.	54.	4.1	10.1
%RSD	.22694	.15399	.20334	.18275
#1	155790.	35176.	1999.4	5555.6
#2	155290.	35253.	1993.7	5541.3

Zoom In Zoom Out

Sample Name: jb67693-2 Acquired: 5/28/2014 16:47:40 Type: Unk
Method: Accutest1(v77) 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	**.3228**	**-.0002**	**.0014**	**.0174**	**-.0002**	**.0062**	F **11.04**	**.0179**	**.0000**
Stddev	.0008	.0000	.0001	.0002	.0001	.0000	.02	.0002	.000
%RSD	.2466	6.689	4.707	1.138	45.53	.6267	.1513	.8924	7571.
#1	.3234	-.0002	.0014	.0172	-.0003	.0063	11.03	.0180	.0000
#2	.3223	-.0002	.0015	.0175	-.0002	.0062	11.06	.0178	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0013**	**.0695**	**.0023**	**-.0001**	**.0042**	**.0019**	**-.0006**	**.4969**	**146.5**
Stddev	.0001	.0001	.0012	.0006	.0007	.0012	.0003	.0078	.6
%RSD	11.33	.2064	54.12	699.8	17.78	59.84	57.77	1.578	.4084
#1	-.0012	.0696	.0031	.0004	.0047	.0028	-.0008	.5025	146.1
#2	-.0014	.0694	.0014	-.0005	.0037	.0011	-.0003	.4914	146.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.742**	**32.67**	**4.021**	**168.7**	**.0321**	**-.0008**	**-.0002**	**5.274**	**-.0025**
Stddev	.002	.06	.005	.9	.0001	.0001	.0001	.019	.0000
%RSD	.0643	.1830	.1171	.5196	.1838	9.381	60.36	.3643	.0881
#1	2.743	32.71	4.024	169.3	.0322	-.0008	-.0002	5.261	-.0025
#2	2.741	32.63	4.018	168.1	.0321	-.0007	-.0001	5.288	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4523**	**.0136**	**.0047**	**-.0018**	**22.63**	**.0032**	**.0351**
Stddev	.0010	.0001	.0005	.0001	.03	.0009	.0005
%RSD	.2177	.6974	11.52	7.303	.1304	28.30	1.290
#1	.4530	.0137	.0051	-.0017	22.65	.0038	.0354
#2	.4516	.0135	.0043	-.0019	22.61	.0025	.0348

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**156090.**	**35174.**	**2010.7**	**5626.4**
Stddev	119.	9.	9.1	15.9
%RSD	.07641	.02438	.45224	.28234
#1	156010.	35168.	2017.1	5637.7
#2	156180.	35180.	2004.3	5615.2

Zoom In Zoom Out

Sample Name: jb67439-7fundconf Acquired: 5/28/2014 16:53:55 Type: Unk
Method: Accutest1(v77) 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	**.8428**	**-.0001**	**.0006**	**-.0002**	**-.0008**	**.0028**	**4.375**	**.0024**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.009	.0000
%RSD	.0009	3.671	8.527	34.09	6.098	4.532	.2048	1.151
#1	.8428	-.0001	.0007	-.0001	-.0009	.0027	4.369	.0025
#2	.8428	-.0001	.0006	-.0002	-.0008	.0029	4.382	.0024

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0013**	**.0006**	**-.0146**	**.0192**	F **-.0068**	**.0007**	**-.0063**	**-.0005**
Stddev	.0000	.0001	.0006	.0000	.0005	.0005	.0007	.0013
%RSD	2.349	24.58	4.459	.0193	7.577	79.57	11.71	271.4
#1	.0013	.0007	-.0150	.0192	-.0065	.0003	-.0068	.0004
#2	.0013	.0005	-.0141	.0192	-.0072	.0011	-.0058	-.0014

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2595**	**178.1**	**30.30**	**25.49**	**6.558**	**482.9**	**.1163**	**.0027**
Stddev	.0023	.3	.05	.13	.037	3.8	.0018	.0002
%RSD	.9025	.1639	.1546	.4925	.5613	.7850	1.534	5.980
#1	.2578	177.9	30.33	25.58	6.532	485.5	.1150	.0025
#2	.2611	178.3	30.26	25.40	6.584	480.2	.1175	.0028

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0003**	**6.716**	**.0015**	**1.218**	**.0002**	**.2025**	**.0010**	**4.147**
Stddev	.0000	.100	.0004	.000	.0001	.0130	.0002	.061
%RSD	.5457	1.494	27.26	.0319	48.83	6.418	17.40	1.469
#1	.0003	6.645	.0018	1.218	.0001	.2117	.0011	4.104
#2	.0003	6.787	.0012	1.218	.0003	.1933	.0009	4.190

Elem	Bi2230	Li6707
Avg	**.0016**	**.0022**
Stddev	.0010	.0000
%RSD	61.24	.6991
#1	.0024	.0022
#2	.0009	.0022

Zoom In Zoom Out

Sample Name: jb67439-7fundconf Acquired: 5/28/2014 16:53:55 Type: Unk
Method: Accutest1(v77) 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	**151150.**	**34830.**	**1953.7**	**5335.3**
Stddev	28.	44.	29.0	58.5
%RSD	.01848	.12694	1.4867	1.0966
#1	151130.	34862.	1974.2	5376.7
#2	151170.	34799.	1933.1	5294.0

Zoom In Zoom Out

Sample Name: mp79703-sd1 Acquired: 5/28/2014 17:00:12 Type: Unk
Method: Accutest1(v77) 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	**.3472**	**-.0004**	**.0011**	**.0179**	**-.0013**	**.0073**	**13.10**	**.0185**	**.0001**
Stddev	.0012	.0002	.0013	.0002	.0004	.0003	.07	.0004	.0001
%RSD	.3388	65.02	112.6	.8505	31.42	4.421	.5040	2.173	92.50
#1	.3464	-.0002	.0002	.0178	-.0015	.0071	13.05	.0188	.0002
#2	.3481	-.0005	.0020	.0180	-.0010	.0076	13.14	.0183	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0836**	**.0033**	**.0051**	**.0099**	**-.0105**	**-.0024**	**.5543**	**161.6**
Stddev	.0004	.0003	.0015	.0036	.0036	.0041	.0023	.0008	.1
%RSD	205.5	.3310	44.41	70.32	36.49	39.13	96.12	.1502	.0722
#1	.0001	.0838	.0043	.0076	.0074	-.0076	-.0008	.5537	161.7
#2	-.0005	.0834	.0023	.0025	.0125	-.0133	-.0040	.5549	161.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.946**	**35.00**	**4.197**	**176.2**	**.0316**	**-.0004**	**-.0009**	**5.446**	**-.0015**
Stddev	.002	.10	.017	.5	.0014	.0007	.0008	.028	.0012
%RSD	.0703	.2739	.3948	.2730	4.356	158.2	90.13	.5115	83.64
#1	2.947	34.93	4.208	175.9	.0306	.0001	-.0015	5.465	-.0006
#2	2.944	35.07	4.185	176.5	.0326	-.0009	-.0003	5.426	-.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4832**	**.0145**	**.0002**	**-.0025**	**22.40**	**.0065**	**.0382**
Stddev	.0007	.0020	.0035	.0001	.07	.0041	.0009
%RSD	.1537	14.07	1577.	3.318	.3337	63.43	2.371
#1	.4827	.0159	.0027	-.0026	22.45	.0036	.0375
#2	.4837	.0131	-.0023	-.0024	22.35	.0094	.0388

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162520.**	**35396.**	**2111.3**	**6062.7**
Stddev	124.	9.	7.8	24.2
%RSD	.07621	.02669	.36970	.39889
#1	162610.	35403.	2105.7	6045.6
#2	162440.	35389.	2116.8	6079.8

Zoom In Zoom Out

Sample Name: jb67779-1 Acquired: 5/28/2014 17:06:10 Type: Unk
Method: Accutest1(v77) 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	**.0704**	**.0000**	**-.0001**	**.0002**	**.0006**	**.0056**	**.5537**	**.0036**
Stddev	.0002	.000	.0002	.0000	.0001	.0054	.1299	.0002
%RSD	.3434	26.12	255.1	18.89	9.605	96.01	23.46	5.633
#1	.0706	.0000	-.0003	.0002	.0006	.0094	.6455	.0034
#2	.0703	.0000	.0001	.0003	.0005	.0018	.4618	.0037

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**.0003**	**.0162**	**.0047**	F **-.0025**	**.0015**	**-.0006**	**.0004**
Stddev	.0004	.0002	.0008	.0021	.0045	.0009	.0014	.0002
%RSD	462.6	65.64	4.963	44.79	180.0	56.57	233.0	49.52
#1	-.0002	.0002	.0168	.0032	.0007	.0009	-.0016	.0003
#2	.0004	.0004	.0156	.0061	-.0057	.0021	.0004	.0005

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1165**	**61.05**	**.2567**	**14.23**	**20.48**	**41.48**	**.2227**	**.0127**
Stddev	.0075	.56	.0044	.14	.01	.11	.0033	.0001
%RSD	6.403	.9237	1.707	1.008	.0642	.2687	1.473	1.163
#1	.1112	61.45	.2536	14.33	20.49	41.56	.2250	.0128
#2	.1218	60.65	.2598	14.13	20.47	41.40	.2204	.0126

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**5.395**	**-.0016**	**.5808**	**.0010**	**-.0016**	**-.0020**	**73.96**
Stddev	.0026	.065	.0002	.0045	.0004	.0008	.0023	.97
%RSD	2691.	1.202	13.33	.7744	37.71	49.14	116.7	1.305
#1	-.0017	5.441	-.0014	.5840	.0013	-.0022	-.0003	74.64
#2	.0019	5.349	-.0017	.5776	.0007	-.0011	-.0037	73.28

Elem	Bi2230	Li6707
Avg	**.0029**	**.0051**
Stddev	.0004	.0002
%RSD	14.70	4.523
#1	.0032	.0052
#2	.0026	.0049

Zoom In Zoom Out

Sample Name: jb67779-1 Acquired: 5/28/2014 17:06:10 Type: Unk
Method: Accutest1(v77) 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	*****	36142.	2091.1	6021.3
Stddev	-----	251.	14.5	43.0
%RSD	-----	.69317	.69157	.71386
#1	-----	35965.	2080.9	5990.9
#2	176610.	36319.	2101.4	6051.7

Zoom In Zoom Out

Sample Name: jb65341-20p 2 Acquired: 5/28/2014 17:12:09 Type: Unk
Method: Accutest1(v77) 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	1.737	1.858	2.425	.0440	4.352	.0436	5.183	2.183	.8145
Stddev	.003	.005	.009	.0014	.002	.0000	.002	.006	.0029
%RSD	.1986	.2896	.3842	3.195	.0428	.0109	.0471	.2853	.3534
#1	1.739	1.862	2.419	.0450	4.350	.0436	5.184	2.178	.8166
#2	1.734	1.854	2.432	.0430	4.353	.0436	5.181	2.187	.8125

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	.0105	1.761	1.727	.0052	1.623	2.202	2.497	3.070	173.1
Stddev	.0003	.007	.004	.0036	.006	.019	.014	.026	.3
%RSD	3.207	.3814	.2470	68.70	.3601	.8682	.5629	.8590	.1950
#1	.0107	1.756	1.724	.0077	1.627	2.189	2.487	3.088	173.3
#2	.0103	1.766	1.730	.0027	1.619	2.216	2.507	3.051	172.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.367	11.20	8.547	1147.	.1537	-.0002	-.0035	5.387	-.0008
Stddev	.003	.03	.041	7.	.0017	.0003	.0023	.018	.0011
%RSD	.2475	.2508	.4749	.5770	1.111	109.2	66.48	.3355	128.1
#1	1.369	11.18	8.518	1142.	.1525	-.0001	-.0018	5.374	-.0016
#2	1.364	11.22	8.575	1151.	.1549	-.0004	-.0051	5.400	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	.6530	.0502	.0040	.0217	2.565	-.0023	.0209
Stddev	.0030	.0025	.0021	.0002	.007	.0003	.0018
%RSD	.4587	5.032	53.08	1.141	.2618	15.05	8.459
#1	.6551	.0520	.0055	.0218	2.560	-.0025	.0197
#2	.6509	.0485	.0025	.0215	2.570	-.0020	.0222

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	156380.	34773.	2051.4	5680.4
Stddev	18.	173.	8.8	12.6
%RSD	.01122	.49808	.43080	.22121
#1	156370.	34650.	2057.6	5689.3
#2	156390.	34895.	2045.1	5671.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 17:18:12 Type: QC
Method: Accutest1(v77) 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	1.996	2.076	1.997	2.012	2.045	1.917	2.119	2.051	.2451
Stddev	.003	.005	.027	.026	.003	.004	.002	.026	.0003
%RSD	.1377	.2401	1.344	1.290	.1388	.2276	.0938	1.247	.1059
#1	1.998	2.073	2.016	2.030	2.043	1.914	2.118	2.069	.2449
#2	1.994	2.080	1.978	1.994	2.047	1.920	2.121	2.033	.2453
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	2.083	1.989	2.065	2.030	1.983	1.957	39.92	40.81
Stddev	.002	.032	.027	.030	.021	.026	.025	.03	.19
%RSD	.0876	1.550	1.376	1.466	1.020	1.327	1.269	.0711	.4677
#1	2.004	2.106	2.009	2.087	2.044	2.001	1.975	39.90	40.68
#2	2.007	2.060	1.970	2.044	2.015	1.964	1.940	39.94	40.95
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	40.75	40.44	39.96	39.84	1.984	2.016	1.908	4.952	2.041
Stddev	.11	.25	.13	.11	.026	.028	.004	.064	.028
%RSD	.2781	.6194	.3237	.2642	1.303	1.410	.2252	1.283	1.391
#1	40.67	40.26	40.05	39.91	2.003	2.036	1.904	4.997	2.061
#2	40.83	40.62	39.87	39.76	1.966	1.996	1.911	4.907	2.021
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: 5/28/2014 17:18:12 Type: QC
Method: Accutest1(v77) 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	2.066	2.030	1.945	2.023	1.946	1.958	1.970
Stddev	.003	.001	.000	.002	.027	.020	.006
%RSD	.1275	.0336	.0010	.0927	1.391	1.029	.2983
#1	2.068	2.029	1.945	2.021	1.966	1.972	1.974
#2	2.064	2.030	1.945	2.024	1.927	1.943	1.965
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	159430.	34827.	2115.7	5942.4
Stddev	35.	186.	26.7	68.4
%RSD	.02210	.53302	1.2623	1.1518
#1	159410.	34959.	2096.8	5894.0
#2	159460.	34696.	2134.5	5990.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 17:24:02 Type: QC
Method: Accutest1(v77) 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**	**.0000**	**.0001**	**.0003**	**.0001**	**.0002**	**.0000**	**.0002**
Stddev	.0000	.0000	.000	.0001	.0001	.0001	.0000	.0002	.0002
%RSD	5.606	3.980	54140.	88.59	53.00	98.59	24.83	3026.	86.29
#1	.0003	.0001	.0001	.0002	.0004	.0002	.0002	.0001	.0003
#2	.0002	.0001	-.0001	.0000	.0002	.0000	.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	**.0001**	**-.0007**	**.0002**	**.0000**	**.0006**	**-.0029**	**.0003**	**-.0223**	**-.0195**
Stddev	.0000	.0003	.0003	.001	.0002	.0010	.0005	.0033	.0003
%RSD	8.427	45.65	160.9	59580.	44.25	32.95	170.9	14.70	1.590
#1	.0001	-.0009	.0000	.0008	.0004	-.0022	-.0001	-.0246	-.0193
#2	.0001	-.0005	.0004	-.0008	.0007	-.0036	.0006	-.0200	-.0198
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**	**-.0210**	**.0073**	**.0301**	**.0006**	**.0013**	**.0000**	**.0006**	**-.0003**
Stddev	.0007	.0086	.0002	.0025	.0002	.0001	.0010	.0001	.0002
%RSD	9.009	40.73	3.353	8.418	32.44	8.355	5990.	22.40	86.54
#1	-.0087	-.0149	.0075	.0319	.0004	.0014	.0007	.0005	-.0001
#2	-.0077	-.0270	.0072	.0283	.0007	.0012	-.0007	.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: 5/28/2014 17:24:02 Type: QC
Method: Accutest1(v77) 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**	**.0158**	**.0005**	**.0010**	**.0007**	**.0013**
Stddev	.0000	.0002	.0018	.0001	.0011	.0004	.0009
%RSD	3.657	47.35	11.35	12.11	101.2	54.38	69.14
#1	.0001	.0004	.0170	.0006	.0018	.0004	.0020
#2	.0001	.0002	.0145	.0005	.0003	.0009	.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	**168950.**	**35761.**	**2237.3**	**6484.5**
Stddev	626.	9.	6.8	12.9
%RSD	.37053	.02656	.30214	.19883
#1	169390.	35755.	2242.0	6493.6
#2	168500.	35768.	2232.5	6475.4

Zoom In Zoom Out

Sample Name: jb67693-2f 1 Acquired: 5/28/2014 17:30:06 Type: Unk
Method: Accutest1(v77) 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	**.3168**	**-.0001**	**.0010**	**.0299**	**.0007**	**-.0002**	F **10.34**	**.0198**	**.0008**
Stddev	.0055	.0003	.0006	.0002	.0023	.0059	3.39	.0010	.0008
%RSD	1.747	534.0	56.44	.7607	324.1	2505.	32.81	5.309	98.67
#1	.3129	.0001	.0006	.0298	.0023	-.0044	7.941	.0190	.0014
#2	.3207	-.0003	.0014	.0301	-.0009	.0039	12.74	.0205	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0034**	**.0691**	**.0021**	**.0090**	**.0035**	**.0046**	**-.0007**	**.2338**	**156.0**
Stddev	.0002	.0022	.0001	.0097	.0008	.0016	.0003	.0298	3.0
%RSD	6.435	3.216	4.098	108.1	23.13	35.69	38.37	12.73	1.917
#1	-.0036	.0675	.0021	.0158	.0029	.0058	-.0005	.2127	153.9
#2	-.0032	.0706	.0022	.0021	.0041	.0034	-.0009	.2548	158.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.505**	**34.61**	**4.199**	**176.9**	**.0323**	**-.0004**	**-.0009**	**5.085**	**-.0020**
Stddev	.043	.50	.076	1.8	.0001	.0003	.0014	.029	.0006
%RSD	2.893	1.445	1.804	1.000	.3042	74.26	159.0	.5713	30.81
#1	1.474	34.26	4.146	175.7	.0323	-.0002	-.0019	5.106	-.0024
#2	1.536	34.97	4.253	178.2	.0324	-.0007	.0001	5.065	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4630**	**.0008**	**.0079**	**-.0009**	**29.91**	**.0019**	**.0346**
Stddev	.0031	.0010	.0013	.0013	.16	.0003	.0009
%RSD	.6752	123.5	16.46	148.5	.5449	16.25	2.546
#1	.4607	.0015	.0070	.0000	30.02	.0017	.0340
#2	.4652	.0001	.0088	-.0018	29.79	.0022	.0352

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**35356.**	**2041.4**	**5688.4**
Stddev	-----	463.	11.0	15.4
%RSD	-----	1.3095	.53935	.27123
#1	-----	35684.	2033.6	5677.5
#2	157230.	35029.	2049.1	5699.3

Zoom In Zoom Out

Sample Name: jb67779-1 1 Acquired: 5/28/2014 17:39:56 Type: Unk
Method: Accutest1(v77) 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	**.0701**	**.0000**	**.0001**	**.0004**	**.0004**	**.0030**	**.5186**	**.0037**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.0004	.0004
%RSD	.0683	163.5	22.82	23.84	68.24	.1349	.0728	11.08
#1	.0701	.0000	.0001	.0004	.0002	.0030	.5189	.0040
#2	.0701	.0000	.0001	.0003	.0005	.0030	.5184	.0035

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0006**	**.0170**	**.0066**	F **-.0052**	**.0024**	**-.0003**	**-.0004**
Stddev	.0001	.0000	.0004	.0001	.0005	.0006	.0017	.0004
%RSD	214.5	2.985	2.157	1.051	9.836	24.55	526.0	90.28
#1	.0000	.0007	.0172	.0067	-.0048	.0020	-.0016	-.0001
#2	-.0002	.0006	.0167	.0066	-.0055	.0029	.0009	-.0007

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1298**	**61.76**	**.2628**	**14.41**	**20.60**	**41.42**	**.2191**	**.0126**
Stddev	.0027	.23	.0008	.07	.07	.09	.0010	.0001
%RSD	2.104	.3693	.3082	.5036	.3306	.2143	.4399	1.014
#1	.1318	61.92	.2622	14.46	20.55	41.36	.2184	.0127
#2	.1279	61.60	.2634	14.35	20.65	41.49	.2198	.0125

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0015**	**5.335**	**-.0015**	**.5788**	**.0006**	**.0036**	**-.0035**	**73.35**
Stddev	.0000	.004	.0001	.0010	.0000	.0003	.0001	.10
%RSD	1.522	.0671	5.317	.1672	4.569	8.570	1.456	.1346
#1	.0015	5.337	-.0014	.5781	.0007	.0038	-.0035	73.42
#2	.0015	5.332	-.0015	.5795	.0006	.0034	-.0036	73.28

Elem	Bi2230	Li6707
Avg	**.0019**	**.0049**
Stddev	.0002	.0002
%RSD	12.29	3.159
#1	.0021	.0050
#2	.0018	.0048

Zoom In Zoom Out

Sample Name: jb67779-1 1 Acquired: 5/28/2014 17:39:56 Type: Unk
Method: Accutest1(v77) 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	163120.	35911.	2129.3	6086.8
Stddev	757.	27.	2.8	5.3
%RSD	.46423	.07394	.13031	.08638
#1	163660.	35893.	2127.4	6083.1
#2	162580.	35930.	2131.3	6090.5

Zoom In Zoom Out

Sample Name: jb67693-2f Acquired: 5/28/2014 17:48:25 Type: Unk
Method: Accutest1(v77) 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	.3640	-.0001	.0011	.0298	.0015	.0031	F 12.94	.0202	.0009
Stddev	.0662	.0003	.0006	.0003	.0031	.0012	.01	.0010	.0010
%RSD	18.18	355.5	59.10	.9380	210.2	39.19	.1127	4.911	109.0
#1	.4108	.0001	.0006	.0300	.0037	.0023	12.95	.0195	.0016
#2	.3172	-.0003	.0015	.0296	-.0007	.0040	12.93	.0209	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	-.0051	.0666	.0020	.0080	.0033	.0047	-.0011	.2603	185.2
Stddev	.0020	.0042	.0013	.0107	.0018	.0029	.0001	.0215	35.6
%RSD	39.13	6.343	64.26	132.6	53.70	61.13	10.84	8.243	19.21
#1	-.0065	.0696	.0011	.0156	.0020	.0067	-.0010	.2755	210.3
#2	-.0037	.0636	.0030	.0005	.0045	.0027	-.0012	.2452	160.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	1.752	40.56	4.807	206.8	.0326	-.0005	-.0019	5.132	-.0019
Stddev	.296	7.20	.821	36.4	.0001	.0004	.0039	.014	.0010
%RSD	16.90	17.75	17.08	17.61	.2377	70.62	200.8	.2728	51.79
#1	1.962	45.64	5.387	232.6	.0326	-.0003	-.0047	5.142	-.0012
#2	1.543	35.47	4.226	181.1	.0325	-.0008	.0008	5.122	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	.5348	.0008	.0028	-.0011	30.29	.0022	.0402
Stddev	.1019	.0006	.0006	.0015	.05	.0005	.0080
%RSD	19.05	74.13	21.83	138.1	.1659	24.42	19.89
#1	.6069	.0013	.0024	.0000	30.32	.0025	.0459
#2	.4628	.0004	.0033	-.0021	30.25	.0018	.0346

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	156290.	*****	2034.0	5646.0
Stddev	40.	-----	1.3	11.0
%RSD	.02562	-----	.06633	.19497
#1	156320.	-----	2035.0	5653.8
#2	156260.	34747.	2033.1	5638.2

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 17:58:14 Type: QC
Method: Accutest1(v77) 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	.0009	.0031	.0021	W .0015	F .0046	.0041
Stddev	.0000	.0000	.0000	.0002	.0001	.0006	.0003	.0001
%RSD	.0608	.3727	.5816	5.723	5.228	39.22	6.287	2.083
#1	.0040	.0010	.0009	.0032	.0020	.0011	.0048	.0041
#2	.0040	.0010	.0009	.0030	.0022	.0019	.0044	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value						.0020	.0030	
Range						-20.00%	30.00%	

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0017	F .0137	.0027	W .0016	.0026	W .0040	.0030
Stddev	.0000	.0000	.0001	.0000	.0004	.0002	.0002	.0007
%RSD	3.758	.6624	.8647	1.752	24.05	8.905	4.578	22.10
#1	.0009	.0017	.0136	.0027	.0013	.0028	.0038	.0035
#2	.0010	.0017	.0138	.0027	.0019	.0025	.0041	.0026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value			.0100		.0020		.0050	
Range			30.00%		-20.00%		-20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .0771	1.030	-.0106	W .0788	2.029	1.030	.0102	.0001
Stddev	.0039	.009	.0002	.0045	.014	.002	.0003	.0000
%RSD	5.094	.8400	2.115	5.692	.6699	.1567	2.521	65.06
#1	.0799	1.036	-.0105	.0820	2.019	1.029	.0100	.0001
#2	.0744	1.024	-.0108	.0757	2.038	1.031	.0104	.0000
Check ?	Chk Warn	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000			.1000				
Range	-20.00%			-20.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 17:58:14 Type: QC
Method: Accutest1(v77) 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	-.0021	.0008	.0000	.0001	F .0026	F .0000	F .0066
Stddev	.0005	.0009	.0004	.0000	.0003	.0001	.000	.0005
%RSD	207.0	43.67	52.31	20.03	206.1	5.653	411.7	6.873
#1	.0006	-.0015	.0011	.0000	.0004	.0027	.0001	.0069
#2	-.0001	-.0028	.0005	.0000	-.0001	.0025	-.0001	.0063
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 .0003	F .0004
Stddev	.0002	.0000
%RSD	60.35	6.479
#1	.0002	.0003
#2	.0004	.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	172760.	35734.	2217.3	6444.8
Stddev	8239.	230.	2.9	12.9
%RSD	4.7687	.64408	.13225	.19954
#1	178590.	35571.	2219.4	6453.9
#2	166940.	35897.	2215.2	6435.8

Zoom In Zoom Out

Sample Name: cri Acquired: 5/28/2014 18:04:18 Type: QC
Method: Accutest1(v77) 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	**.2004**	**.0022**	**.0033**	**.0513**	**.0107**	**.0095**	**.0168**	**.0106**	**.0050**
Stddev	.0013	.0000	.0001	.0008	.0000	.0002	.0000	.0001	.0003
%RSD	.6319	.0377	1.887	1.495	.3135	2.024	.1114	.5649	6.275
#1	.1995	.0022	.0034	.0508	.0107	.0096	.0168	.0106	.0048
#2	.2013	.0022	.0033	.0519	.0108	.0093	.0168	.0106	.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	**.0530**	**.0220**	**.0096**	**.0109**	**.0033**	**.0086**	**.0060**	**.1890**	**5.153**
Stddev	.0000	.0003	.0009	.0006	.0001	.0013	.0002	.0012	.015
%RSD	.0480	1.542	9.264	5.476	3.458	15.63	3.458	.6171	.2977
#1	.0530	.0218	.0089	.0113	.0033	.0076	.0058	.1898	5.143
#2	.0530	.0222	.0102	.0105	.0034	.0095	.0061	.1882	5.164
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	**.0957**	**5.226**	**5.053**	**4.970**	**.1041**	**.0211**	**.0529**	**.2069**	**.0103**
Stddev	.0008	.013	.024	.025	.0018	.0003	.0004	.0033	.0001
%RSD	.8844	.2393	.4663	.5059	1.770	1.279	.7794	1.610	.7417
#1	.0963	5.218	5.036	4.952	.1028	.0209	.0526	.2045	.0102
#2	.0951	5.235	5.069	4.988	.1054	.0212	.0532	.2092	.0103
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: 5/28/2014 18:04:18 Type: QC
Method: Accutest1(v77) 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**	**.0108**	F **.0668**	**.0110**	**.0521**	**.0214**	**.0208**
Stddev	.0001	.0002	.0009	.0001	.0010	.0009	.0009
%RSD	.7679	1.469	1.420	.6437	1.899	4.140	4.488
#1	.0106	.0109	.0661	.0110	.0528	.0208	.0201
#2	.0108	.0107	.0674	.0109	.0514	.0221	.0214
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0500				
Range			30.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**168140.**	**35777.**	**2207.1**	**6404.0**
Stddev	175.	187.	27.7	73.9
%RSD	.10418	.52398	1.2567	1.1545
#1	168010.	35909.	2226.7	6456.3
#2	168260.	35644.	2187.4	6351.8

Zoom In Zoom Out

Sample Name: cria Acquired: 5/28/2014 18:10:20 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**-.0002**	**.0000**	**-.0001**	**.0002**
Stddev	.0001	.0000	.0000	.000	.0001	.0001	.0000	.0002	.0000
%RSD	129.8	276.5	154.9	28.59	106.8	68.36	10.04	330.2	24.89
#1	.0001	.0000	.0001	.0000	.0000	-.0001	.0000	.0001	.0002
#2	.0000	.0000	.0000	.0000	.0002	-.0003	.0000	-.0002	.0002
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**	**.0016**	**.0196**	**-.0001**	**.0213**	**.0195**	**.0188**	**.4592**	**-.0171**
Stddev	.0003	.0001	.0003	.0010	.0003	.0021	.0009	.0034	.0000
%RSD	285.1	6.065	1.283	1848.	1.544	10.96	4.660	.7415	.2000
#1	.0001	.0015	.0194	-.0007	.0215	.0210	.0194	.4616	-.0171
#2	-.0003	.0016	.0197	.0006	.0211	.0180	.0181	.4568	-.0170
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	**.5090**	**-.0209**	**.0076**	**.0123**	**.0002**	**-.0001**	**-.0005**	**-.0046**	**-.0002**
Stddev	.0005	.0185	.0026	.0050	.0004	.0001	.0001	.0005	.0006
%RSD	.0959	88.45	34.11	40.88	222.4	76.31	16.54	10.97	293.8
#1	.5086	-.0340	.0094	.0087	.0004	.0000	-.0006	-.0050	.0002
#2	.5093	-.0078	.0058	.0158	-.0001	-.0001	-.0004	-.0043	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/28/2014 18:10:20 Type: QC
Method: Accutest1(v77) 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**	**.0007**	**.0001**	**.0038**	**.0000**	**-.0002**
Stddev	.0000	.0000	.0002	.0001	.0023	.0003	.0005
%RSD	42.72	38.80	30.22	148.4	60.57	1169.	253.7
#1	.0000	.0001	.0008	.0000	.0055	-.0002	-.0006
#2	.0001	.0001	.0005	.0001	.0022	.0002	.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	**169550.**	**35878.**	**2241.1**	**6514.9**
Stddev	405.	4.	13.0	35.8
%RSD	.23894	.01084	.57974	.55002
#1	169830.	35880.	2231.9	6489.5
#2	169260.	35875.	2250.3	6540.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 5/28/2014 18:16:24 Type: Unk
Method: Accutest1(v77) 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	**.0042**	**.0010**	**.0010**	**.0030**	**.0022**	**.0017**	**.0033**	**.0043**
Stddev	.0001	.0000	.0001	.0001	.0001	.0001	.0000	.0001
%RSD	1.917	1.816	9.082	3.728	4.728	5.215	.0058	1.176
#1	.0042	.0010	.0010	.0029	.0021	.0017	.0033	.0043
#2	.0041	.0010	.0009	.0031	.0023	.0016	.0033	.0043

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0014**	**.0020**	**.0135**	**.0031**	**.0027**	**.0027**	**.0035**	**.0032**
Stddev	.0002	.0003	.0001	.0006	.0000	.0000	.0015	.0001
%RSD	15.33	12.78	.5916	17.61	1.524	1.250	42.92	2.703
#1	.0016	.0019	.0134	.0027	.0027	.0027	.0045	.0031
#2	.0013	.0022	.0135	.0035	.0027	.0027	.0024	.0032

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0757**	**1.027**	W **-.0110**	**.0855**	**2.006**	**1.017**	**.0104**	**.0001**
Stddev	.0025	.001	.0008	.0006	.026	.002	.0003	.0002
%RSD	3.298	.0903	6.830	.7018	1.280	.1663	2.648	305.7
#1	.0775	1.027	-.0105	.0860	2.024	1.018	.0103	.0002
#2	.0739	1.028	-.0116	.0851	1.987	1.016	.0106	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**-.0021**	**.0000**	**.0000**	**.0002**	**.0012**	**-.0001**	**.0026**
Stddev	.0006	.0002	.0001	.0000	.0000	.0002	.0000	.0023
%RSD	7991.	8.157	180.2	111.6	15.93	16.35	27.57	85.43
#1	-.0004	-.0022	.0001	.0000	.0002	.0013	-.0001	.0042
#2	.0004	-.0019	.0000	.0000	.0002	.0011	-.0001	.0010

Elem	Bi2230	Li6707
Avg	**-.0002**	**.0007**
Stddev	.0005	.0013
%RSD	313.5	191.4
#1	-.0005	.0016
#2	.0002	-.0002

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 5/28/2014 18:16:24 Type: Unk
Method: Accutest1(v77) 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	**168940.**	**35697.**	**2210.6**	**6419.9**
Stddev	494.	73.	3.3	4.3
%RSD	.29263	.20337	.14827	.06751
#1	169290.	35646.	2212.9	6416.8
#2	168590.	35749.	2208.2	6422.9

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/28/2014 18:22:29 Type: QC
Method: Accutest1(v77) 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**	**.0026**	**-.0009**	**-.0004**	**.0015**	**.0027**	**.0001**	**.0085**
Stddev	.0001	.0000	.0000	.0003	.0001	.0000	.0001	.0005	.0001
%RSD	20.60	215.9	.9265	27.98	15.39	.3549	5.228	606.4	1.067
#1	-.0004	.0000	.0026	-.0011	-.0005	.0015	.0028	.0004	.0085
#2	-.0003	.0000	.0026	-.0007	-.0004	.0016	.0026	-.0003	.0086
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**	**.0024**	**.0017**	**-.0008**	**-.0040**	F **.0104**	**-.0002**	**499.4**	**387.7**
Stddev	.0001	.0009	.0006	.0013	.0027	.0018	.0018	7.8	1.4
%RSD	57.04	35.55	36.74	157.0	67.50	17.49	1210.	1.556	.3579
#1	-.0002	.0018	.0021	-.0018	-.0021	.0091	-.0015	504.9	388.7
#2	-.0001	.0030	.0012	.0001	-.0059	.0117	.0011	493.9	386.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0100			
Low Limit						-.0100			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**190.8**	**546.4**	**.0572**	**.0226**	**-.0004**	**-.0043**	**-.0010**	**.0091**	**.0010**
Stddev	1.0	4.6	.0101	.0006	.0002	.0005	.0012	.0027	.0007
%RSD	.5396	.8358	17.71	2.600	51.63	11.26	121.2	30.02	64.49
#1	191.5	549.6	.0501	.0222	-.0005	-.0046	-.0001	.0110	.0015
#2	190.0	543.1	.0644	.0230	-.0002	-.0040	-.0019	.0072	.0006
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: 5/28/2014 18:22:29 Type: QC
Method: Accutest1(v77) 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	**-.0063**	**.0000**	**.0098**	**.0083**	**-.0693**	**.0012**	**.0018**
Stddev	.0000	.0000	.0021	.0000	.0037	.0007	.0001
%RSD	.5927	104.1	21.44	.0145	5.404	62.97	3.985
#1	-.0062	.0000	.0112	.0083	-.0720	.0017	.0019
#2	-.0063	.0000	.0083	.0083	-.0667	.0007	.0018
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	**149450.**	**33024.**	**1935.2**	**5239.8**
Stddev	46.	271.	6.5	12.3
%RSD	.03048	.82034	.33677	.23474
#1	149480.	32832.	1930.6	5231.1
#2	149410.	33215.	1939.8	5248.5

Zoom In Zoom Out

Sample Name: icsab Acquired: 5/28/2014 18:28:44 Type: QC
Method: Accutest1(v77) 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	**.5084**	**.5130**	**1.035**	**.4821**	**.4656**	**.5149**	**.4893**	**.9800**	**1.023**
Stddev	.0025	.0034	.002	.0000	.0003	.0003	.0000	.0025	.002
%RSD	.5000	.6648	.1430	.0056	.0594	.0570	.0003	.2553	.1724
#1	.5102	.5154	1.033	.4821	.4658	.5147	.4893	.9783	1.021
#2	.5066	.5106	1.036	.4821	.4654	.5151	.4893	.9818	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	**.4631**	**.9894**	**1.126**	**.9345**	**.9468**	**1.068**	**1.020**	**489.9**	**386.1**
Stddev	.0005	.0015	.005	.0051	.0011	.005	.000	4.3	.6
%RSD	.0995	.1559	.4171	.5454	.1153	.4353	.0337	.8818	.1666
#1	.4628	.9883	1.123	.9309	.9460	1.065	1.020	492.9	386.6
#2	.4635	.9905	1.130	.9381	.9476	1.071	1.020	486.8	385.7
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	**187.7**	**534.1**	**.0240**	**.0196**	**-.0050**	**.4903**	**.5268**	**-.0030**	**.0021**
Stddev	2.3	3.5	.0209	.0010	.0001	.0012	.0003	.0018	.0013
%RSD	1.240	.6555	87.22	5.109	2.553	.2362	.0490	60.07	62.53
#1	189.3	536.6	.0092	.0203	-.0049	.4895	.5266	-.0017	.0012
#2	186.0	531.7	.0387	.0189	-.0051	.4911	.5270	-.0043	.0030
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 5/28/2014 18:28:44 Type: QC
Method: Accutest1(v77) 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	**-.0063**	**.0002**	**.5100**	**.4860**	**.4078**	**.5163**	**.5320**
Stddev	.0000	.0003	.0083	.0018	.0019	.0017	.0036
%RSD	.2427	157.9	1.633	.3665	.4630	.3312	.6752
#1	-.0063	.0000	.5041	.4848	.4064	.5150	.5345
#2	-.0063	.0004	.5158	.4873	.4091	.5175	.5294
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	**148590.**	**33062.**	**1907.6**	**5188.7**
Stddev	179.	198.	1.3	3.1
%RSD	.12039	.60001	.06874	.05892
#1	148710.	32921.	1906.6	5190.8
#2	148460.	33202.	1908.5	5186.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 18:34:54 Type: QC
Method: Accutest1(v77) 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**	**2.070**	**2.022**	**2.000**	**2.010**	**1.933**	**2.048**	**2.046**	**.2481**
Stddev	.001	.014	.021	.021	.004	.002	.002	.022	.0000
%RSD	.0520	.6914	1.059	1.056	.1940	.1004	.1091	1.076	.0173
#1	2.010	2.080	2.007	1.985	2.012	1.931	2.050	2.030	.2481
#2	2.009	2.060	2.037	2.014	2.007	1.934	2.047	2.061	.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	**1.984**	**2.067**	**1.994**	**2.062**	**2.025**	**2.006**	**1.966**	**38.81**	**40.97**
Stddev	.001	.023	.024	.015	.020	.018	.022	.07	.36
%RSD	.0430	1.103	1.208	.7187	.9921	.9112	1.120	.1842	.8704
#1	1.984	2.051	1.977	2.051	2.011	1.993	1.951	38.86	41.22
#2	1.983	2.083	2.011	2.072	2.040	2.019	1.982	38.76	40.72
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	**40.64**	**40.04**	**39.19**	**39.05**	**1.991**	**2.028**	**1.930**	**4.946**	**2.053**
Stddev	.27	.28	.02	.06	.021	.022	.005	.057	.021
%RSD	.6602	.6964	.0518	.1466	1.078	1.084	.2651	1.160	1.035
#1	40.83	40.24	39.21	39.09	1.976	2.012	1.926	4.905	2.038
#2	40.46	39.84	39.18	39.01	2.007	2.043	1.933	4.987	2.068
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: 5/28/2014 18:34:54 Type: QC
Method: Accutest1(v77) 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	**2.027**	**1.969**	**2.042**	**1.965**	**1.962**	**1.984**	**1.952**
Stddev	.002	.004	.037	.003	.017	.023	.002
%RSD	.0830	.2281	1.829	.1292	.8527	1.151	.0895
#1	2.028	1.972	2.016	1.967	1.951	1.968	1.954
#2	2.026	1.966	2.069	1.963	1.974	2.000	1.951
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	**161060.**	**35090.**	**2121.3**	**5984.5**
Stddev	242.	159.	15.1	45.0
%RSD	.15035	.45214	.71081	.75120
#1	160880.	34978.	2131.9	6016.3
#2	161230.	35202.	2110.6	5952.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 18:40:45 Type: QC
Method: Accutest1(v77) 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**	**.0002**	**.0000**	**.0003**	**.0001**	**-.0001**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.000	.0001	.0000	.0001	.0000
%RSD	43.43	51.14	40.04	33.26	682.5	33.09	6.717	110.3	35.01
#1	.0004	.0001	.0001	.0002	-.0002	.0003	.0001	-.0002	.0001
#2	.0002	.0000	.0001	.0003	.0001	.0002	.0001	.0000	.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**	**-.0010**	**.0004**	**.0013**	**-.0001**	**-.0038**	**-.0007**	**-.0228**	**-.0156**
Stddev	.0001	.0002	.0009	.0003	.0002	.0015	.0001	.0030	.0002
%RSD	159.2	23.60	191.6	20.07	127.3	37.94	10.56	13.18	1.538
#1	-.0001	-.0011	.0011	.0011	.0000	-.0049	-.0006	-.0207	-.0158
#2	.0000	-.0008	-.0002	.0015	-.0002	-.0028	-.0007	-.0250	-.0154
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	**-.0086**	**-.0246**	**-.0077**	**.0135**	**.0013**	**.0014**	**-.0005**	**.0004**	**.0004**
Stddev	.0009	.0060	.0179	.0019	.0000	.0002	.0002	.0003	.0002
%RSD	10.66	24.48	233.9	14.23	.7657	13.27	38.84	79.68	58.84
#1	-.0092	-.0203	.0050	.0121	.0013	.0015	-.0006	.0007	.0002
#2	-.0079	-.0288	-.0204	.0148	.0013	.0013	-.0004	.0002	.0006
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: 5/28/2014 18:40:45 Type: QC
Method: Accutest1(v77) 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**	**.0264**	**.0011**	**.0001**	**.0011**	**.0004**
Stddev	.0000	.0000	.0029	.0000	.0009	.0000	.0005
%RSD	60.16	.2467	10.83	1.321	1679.	3.864	133.0
#1	.0001	.0003	.0284	.0011	-.0006	.0011	.0008
#2	.0000	.0003	.0244	.0011	.0007	.0010	.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	**170450.**	**36412.**	**2215.5**	**6461.8**
Stddev	299.	64.	7.0	19.0
%RSD	.17545	.17585	.31747	.29355
#1	170240.	36367.	2220.5	6475.3
#2	170660.	36457.	2210.5	6448.4

Zoom In Zoom Out

Sample Name: jb67584-1 1 Acquired: 5/28/2014 18:46:49 Type: Unk
Method: Accutest1(v77) 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	**.0274**	**.0002**	**.0000**	**.0298**	**.0082**	**.0153**	**.5487**	**.0027**	**.0012**
Stddev	.0005	.0000	.000	.0001	.0001	.0004	.0000	.0001	.0002
%RSD	1.777	2.425	194.0	.4687	.6220	2.289	.0032	2.817	15.89
#1	.0270	.0002	.0000	.0297	.0082	.0151	.5487	.0027	.0010
#2	.0277	.0002	-.0001	.0298	.0082	.0156	.5487	.0026	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0141**	**.0120**	**.0026**	**-.0011**	**.0018**	**-.0021**	**-.0009**	**3.245**	**1.234**
Stddev	.0003	.0000	.0000	.0013	.0003	.0003	.0005	.050	.017
%RSD	2.134	.3678	1.285	116.0	14.30	16.07	52.53	1.534	1.384
#1	.0143	.0120	.0026	-.0002	.0016	-.0018	-.0012	3.210	1.222
#2	.0139	.0119	.0027	-.0020	.0019	-.0023	-.0006	3.280	1.246

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.65**	**.7867**	**.7254**	**1.197**	**.0089**	**.0000**	**-.0007**	**3.169**	**-.0008**
Stddev	.17	.0083	.0183	.018	.0002	.0001	.0001	.006	.0001
%RSD	1.442	1.054	2.524	1.504	2.431	126.5	14.17	.1970	15.15
#1	11.53	.7809	.7383	1.185	.0090	.0001	-.0008	3.173	-.0009
#2	11.77	.7926	.7124	1.210	.0087	.0000	-.0006	3.164	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0072**	**.0484**	**.0111**	**.0014**	**1.735**	**.0031**	**.0000**
Stddev	.0001	.0001	.0008	.0001	.011	.0003	.0001
%RSD	.8298	.1965	7.100	8.720	.6087	10.89	368.8
#1	.0072	.0485	.0117	.0013	1.727	.0033	.0001
#2	.0073	.0484	.0106	.0015	1.742	.0028	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171630.**	**37160.**	**2234.0**	**6561.1**
Stddev	638.	507.	14.4	33.1
%RSD	.37157	1.3650	.64351	.50513
#1	172080.	37519.	2244.2	6584.6
#2	171180.	36802.	2223.9	6537.7

Zoom In Zoom Out

Sample Name: jb67584-2 Acquired: 5/28/2014 18:52:49 Type: Unk
Method: Accutest1(v77) 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	**.1136**	**.0001**	**.0003**	**.1192**	**.0014**	**.0039**	**3.403**	**.0042**	**.0009**
Stddev	.0007	.0000	.0001	.0002	.0000	.0003	.029	.0001	.0001
%RSD	.6439	5.460	25.03	.1672	.2381	8.005	.8431	2.922	12.45
#1	.1141	.0001	.0004	.1194	.0013	.0041	3.424	.0042	.0010
#2	.1131	.0001	.0003	.1191	.0014	.0037	3.383	.0043	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0125**	**.0022**	**-.0004**	**.0006**	**-.0002**	**-.0014**	**.5370**	**4.102**
Stddev	.0004	.0002	.0005	.0003	.0001	.0000	.0010	.0020	.037
%RSD	39.58	1.563	23.29	82.36	17.71	4.334	66.32	.3765	.9138
#1	.0012	.0124	.0026	-.0002	.0007	-.0003	-.0008	.5384	4.129
#2	.0007	.0126	.0018	-.0006	.0006	-.0002	-.0021	.5356	4.076

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.684**	**3.741**	**4.384**	**12.23**	**.0597**	**.0000**	**-.0004**	**2.430**	**-.0009**
Stddev	.070	.012	.007	.08	.0004	.000	.0006	.013	.0002
%RSD	.8113	.3301	.1543	.6601	.7511	151.5	127.6	.5408	17.67
#1	8.734	3.750	4.389	12.29	.0601	.0000	-.0008	2.439	-.0008
#2	8.634	3.733	4.380	12.17	.0594	-.0001	.0000	2.421	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0302**	**.0081**	**.0076**	**.0002**	**12.22**	**.0033**	**.0010**
Stddev	.0001	.0002	.0011	.0000	.04	.0004	.0002
%RSD	.3994	2.279	14.65	22.72	.3616	12.81	19.43
#1	.0303	.0080	.0084	.0002	12.25	.0030	.0009
#2	.0301	.0082	.0068	.0002	12.19	.0037	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**165920.**	**37121.**	**2186.5**	**6445.3**
Stddev	3483.	211.	3.8	.8
%RSD	2.0989	.56705	.17305	.01245
#1	163460.	36972.	2183.9	6445.8
#2	168390.	37270.	2189.2	6444.7

Zoom In Zoom Out

Sample Name: jb67584-3 Acquired: 5/28/2014 18:58:55 Type: Unk
Method: Accutest1(v77) 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	**.0813**	**.0002**	**.0006**	**.0759**	**.0020**	**.0026**	**2.768**	**.0057**	**.0002**
Stddev	.0004	.0000	.0000	.0004	.0000	.0001	.003	.0003	.0000
%RSD	.4403	15.33	4.472	.4635	2.049	3.524	.1242	4.736	9.386
#1	.0811	.0002	.0006	.0761	.0019	.0026	2.765	.0055	.0003
#2	.0816	.0001	.0006	.0756	.0020	.0027	2.770	.0058	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0041**	**.0030**	**-.0007**	**.0012**	**.0003**	**-.0019**	**.7265**	**7.338**
Stddev	.0001	.0000	.0001	.0005	.0009	.0002	.0004	.0050	.046
%RSD	62.96	.2737	3.683	67.83	78.01	63.90	19.78	.6910	.6304
#1	.0002	.0041	.0031	-.0011	.0005	.0004	-.0022	.7229	7.371
#2	.0001	.0041	.0029	-.0004	.0019	.0001	-.0017	.7300	7.305

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.559**	**9.254**	**1.044**	**10.33**	**.0311**	**.0000**	**-.0009**	**2.590**	**-.0004**
Stddev	.007	.059	.005	.05	.0005	.000	.0002	.003	.0002
%RSD	.4700	.6368	.5073	.4798	1.621	154.7	26.59	.1170	45.29
#1	1.565	9.296	1.040	10.30	.0314	.0000	-.0011	2.588	-.0006
#2	1.554	9.212	1.048	10.37	.0307	.0000	-.0008	2.592	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0427**	**.0051**	**.0053**	**-.0003**	**13.05**	**.0023**	**-.0003**
Stddev	.0001	.0001	.0000	.0001	.01	.0010	.0003
%RSD	.2101	2.921	.5235	38.43	.0535	42.40	86.98
#1	.0426	.0052	.0053	-.0002	13.05	.0030	-.0001
#2	.0427	.0050	.0054	-.0004	13.04	.0016	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169510.**	**37235.**	**2191.3**	**6443.5**
Stddev	231.	156.	5.4	11.1
%RSD	.13650	.41821	.24802	.17249
#1	169680.	37124.	2195.1	6451.3
#2	169350.	37345.	2187.4	6435.6

Zoom In Zoom Out

Sample Name: jb67584-4 Acquired: 5/28/2014 19:05:01 Type: Unk
Method: Accutest1(v77) 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	**.0192**	**.0000**	**.0000**	**.0010**	**.0001**	**.0021**	**.3251**	**.0002**	**.0019**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.0005	.0000	.0002
%RSD	.1291	7.554	179.8	6.443	47.28	1.010	.1587	21.85	8.939
#1	.0193	.0000	.0001	.0009	.0001	.0021	.3254	.0003	.0020
#2	.0192	.0000	.0000	.0010	.0002	.0021	.3247	.0002	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0010**	**.0020**	**-.0001**	**.0004**	**-.0004**	**-.0024**	**.0779**	**11.10**
Stddev	.0000	.0002	.0003	.0003	.0011	.0000	.0001	.0044	.02
%RSD	12.31	17.75	14.49	249.9	279.3	2.276	3.709	5.616	.1380
#1	.0002	.0009	.0018	-.0003	.0012	-.0004	-.0024	.0810	11.11
#2	.0003	.0011	.0022	.0001	-.0004	-.0004	-.0025	.0748	11.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.80**	**4.209**	**.9653**	**3.975**	**.0444**	**.0000**	**-.0005**	**2.043**	**-.0005**
Stddev	.00	.018	.0229	.009	.0003	.0000	.0004	.007	.0005
%RSD	.0200	.4235	2.373	.2240	.7226	47.55	66.68	.3410	104.4
#1	15.81	4.221	.9491	3.969	.0441	.0000	-.0008	2.038	-.0008
#2	15.80	4.196	.9815	3.981	.0446	.0000	-.0003	2.048	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0369**	**.0011**	**.0041**	**.0005**	**2.144**	**.0034**	**.0005**
Stddev	.0000	.0003	.0009	.0001	.003	.0001	.0002
%RSD	.0028	23.54	21.94	23.67	.1295	4.054	38.24
#1	.0369	.0009	.0047	.0004	2.146	.0033	.0007
#2	.0369	.0013	.0035	.0006	2.142	.0035	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166730.**	**36412.**	**2161.9**	**6412.4**
Stddev	164.	17.	5.3	1.3
%RSD	.09813	.04790	.24506	.01997
#1	166610.	36424.	2165.6	6411.5
#2	166850.	36400.	2158.1	6413.3

Zoom In Zoom Out

Sample Name: jb67584-5 Acquired: 5/28/2014 19:11:02 Type: Unk
Method: Accutest1(v77) 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	**.0291**	**.0001**	**.0002**	**.0168**	**.0056**	**.0043**	**.7246**	**.0035**
Stddev	.0000	.0000	.0000	.0001	.0000	.0002	.0009	.0001
%RSD	.0997	13.49	18.93	.4958	.2575	4.350	.1181	4.161
#1	.0291	.0001	.0002	.0167	.0056	.0042	.7252	.0036
#2	.0292	.0001	.0003	.0168	.0056	.0044	.7240	.0034

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0038**	**.0058**	**.0052**	**.0040**	F **-.0029**	**.0036**	**.0019**	**-.0017**
Stddev	.0001	.0001	.0001	.0005	.0001	.0012	.0003	.0007
%RSD	3.401	2.555	2.319	12.27	4.711	33.10	18.31	39.22
#1	.0037	.0059	.0053	.0037	-.0030	.0028	.0017	-.0022
#2	.0039	.0057	.0051	.0044	-.0028	.0045	.0021	-.0012

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.240**	**4.022**	**30.92**	**4.300**	**.7664**	**3.694**	**.0375**	**.0001**
Stddev	.010	.004	.01	.038	.0027	.007	.0002	.0001
%RSD	.4397	.0875	.0329	.8853	.3464	.1899	.4751	42.13
#1	2.247	4.020	30.92	4.273	.7645	3.699	.0373	.0002
#2	2.233	4.025	30.91	4.327	.7682	3.689	.0376	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0014**	**3.756**	**-.0012**	**.0196**	**.0292**	**.0052**	**.0022**	**4.029**
Stddev	.0001	.001	.0002	.0000	.0008	.0009	.0001	.002
%RSD	7.607	.0235	13.23	.1777	2.753	18.04	5.020	.0515
#1	-.0014	3.756	-.0014	.0196	.0298	.0045	.0022	4.028
#2	-.0015	3.757	-.0011	.0196	.0287	.0059	.0021	4.031

Elem	Bi2230	Li6707
Avg	**.0042**	**-.0001**
Stddev	.0002	.0000
%RSD	4.176	51.36
#1	.0043	-.0001
#2	.0040	.0000

Zoom In Zoom Out

Sample Name: jb67584-5 Acquired: 5/28/2014 19:11:02 Type: Unk
Method: Accutest1(v77) 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	**167730.**	**36675.**	**2175.3**	**6472.4**
Stddev	186.	37.	8.8	12.8
%RSD	.11108	.09960	.40636	.19720
#1	167860.	36649.	2181.5	6481.5
#2	167600.	36701.	2169.0	6463.4

Zoom In Zoom Out

Sample Name: jb67584-6 Acquired: 5/28/2014 19:17:01 Type: Unk
Method: Accutest1(v77) 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	**.0298**	**.0002**	**.0000**	**.0034**	**.0075**	**.0069**	**.1331**	**.0031**
Stddev	.0012	.0000	.000	.0001	.0002	.0002	.0006	.0001
%RSD	4.180	9.012	118.4	3.209	2.162	2.734	.4427	4.242
#1	.0306	.0002	-.0001	.0033	.0073	.0068	.1327	.0030
#2	.0289	.0002	.0000	.0034	.0076	.0071	.1335	.0032

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0015**	**.0148**	**.0094**	**.0050**	F **-.0056**	**.0043**	**-.0009**	**-.0022**
Stddev	.0004	.0002	.0000	.0008	.0000	.0000	.0022	.0005
%RSD	28.68	1.288	.2067	15.32	.4082	.7903	238.1	24.21
#1	.0018	.0149	.0094	.0044	-.0056	.0043	-.0025	-.0026
#2	.0012	.0146	.0094	.0055	-.0056	.0043	.0006	-.0018

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**6.093**	**4.123**	**6.585**	**3.783**	**.7026**	**3.492**	**.0161**	**.0002**
Stddev	.346	.227	.364	.228	.0221	.180	.0003	.0001
%RSD	5.671	5.516	5.532	6.015	3.141	5.154	1.975	54.73
#1	6.338	4.284	6.843	3.944	.7182	3.620	.0159	.0003
#2	5.849	3.962	6.328	3.622	.6870	3.365	.0164	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0002**	**6.074**	**-.0009**	**.0297**	**.0598**	**.0041**	**.0006**	**5.485**
Stddev	.0003	.052	.0004	.0016	.0002	.0007	.0000	.054
%RSD	149.7	.8489	40.66	5.381	.3802	16.63	2.841	.9917
#1	.0000	6.038	-.0012	.0309	.0596	.0046	.0006	5.447
#2	-.0004	6.111	-.0007	.0286	.0599	.0037	.0006	5.524

Elem	Bi2230	Li6707
Avg	**.0036**	**.0009**
Stddev	.0002	.0001
%RSD	5.386	7.369
#1	.0034	.0010
#2	.0037	.0009

Zoom In Zoom Out

Sample Name: jb67584-6 Acquired: 5/28/2014 19:17:01 Type: Unk
Method: Accutest1(v77) 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	**170240.**	**36057.**	**2183.2**	**6442.2**
Stddev	1034.	1679.	22.1	44.7
%RSD	.60716	4.6551	1.0110	.69428
#1	170970.	34870.	2198.8	6473.8
#2	169510.	37244.	2167.6	6410.5

Zoom In Zoom Out

Sample Name: jb67584-7 Acquired: 5/28/2014 19:23:01 Type: Unk
Method: Accutest1(v77) 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	**.0004**	**.0000**	**-.0001**	**.0001**	**-.0002**	**-.0036**	**.0000**	**.0002**
Stddev	.0001	.000	.0000	.0001	.0000	.0072	.000	.0001
%RSD	26.96	1414.	12.93	169.1	18.80	202.1	723.0	31.58
#1	.0004	.0000	-.0001	.0000	-.0001	.0015	.0001	.0002
#2	.0003	.0000	-.0001	.0002	-.0002	-.0087	-.0001	.0003

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**-.0001**	**.0012**	**.0004**	**.0027**	**.0012**	**-.0005**	**-.0018**
Stddev	.0000	.0004	.0001	.0007	.0006	.0002	.0005	.0004
%RSD	1.900	465.7	11.21	171.7	23.64	15.58	87.07	20.65
#1	.0004	-.0003	.0013	-.0001	.0032	.0011	-.0008	-.0020
#2	.0003	.0002	.0011	.0009	.0023	.0014	-.0002	-.0015

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0209**	**-.0067**	W **-.0110**	**-.0242**	**-.0488**	**.0151**	**.0026**	**-.0001**
Stddev	.0012	.0002	.0005	.0013	.0043	.0029	.0001	.0000
%RSD	5.768	3.442	4.412	5.225	8.718	19.36	3.205	19.31
#1	-.0200	-.0068	-.0107	-.0233	-.0458	.0130	.0027	-.0001
#2	-.0217	-.0065	-.0114	-.0251	-.0518	.0171	.0026	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0003**	**.0134**	**-.0005**	**.0000**	**.0007**	**.0010**	**.0001**	**.0053**
Stddev	.0011	.0003	.0002	.000	.0004	.0003	.0000	.0015
%RSD	434.9	2.536	33.85	66.41	54.05	26.55	32.58	29.06
#1	-.0005	.0131	-.0004	.0000	.0004	.0008	.0001	.0064
#2	.0010	.0136	-.0006	.0000	.0009	.0012	.0002	.0042

Elem	Bi2230	Li6707
Avg	**.0041**	**-.0003**
Stddev	.0011	.0002
%RSD	26.66	80.78
#1	.0033	-.0001
#2	.0049	-.0004

Zoom In Zoom Out

Sample Name: jb67584-7 Acquired: 5/28/2014 19:23:01 Type: Unk
Method: Accutest1(v77) 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	*****	**36923.**	**2177.5**	**6475.7**
Stddev	-----	1138.	9.9	26.4
%RSD	-----	3.0816	.45565	.40773
#1	169160.	37728.	2184.6	6494.3
#2	-----	36119.	2170.5	6457.0

Zoom In Zoom Out

Sample Name: jb67681-3 Acquired: 5/28/2014 19:29:02 Type: Unk
Method: Accutest1(v77) 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	**.0042**	**.0000**	**.0006**	**.0001**	**.0003**	**.0027**	**.1246**	**.0034**	**-.0001**
Stddev	.0000	.0000	.0000	.0002	.0001	.0002	.0002	.0002	.0000
%RSD	.8268	82.28	6.775	375.4	36.73	6.681	.1552	5.607	33.31
#1	.0042	.0000	.0006	.0002	.0004	.0028	.1245	.0035	-.0001
#2	.0042	.0000	.0006	-.0001	.0002	.0026	.1247	.0033	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0011**	**.0106**	**.0010**	**.0026**	**.0031**	**-.0023**	**.7370**	**229.4**
Stddev	.0000	.0000	.0003	.0004	.0010	.0014	.0000	.0007	1.5
%RSD	26.68	4.232	2.704	44.01	38.07	45.49	1.486	.0910	.6696
#1	.0000	.0011	.0108	.0007	.0019	.0021	-.0023	.7365	230.4
#2	.0000	.0011	.0104	.0013	.0034	.0041	-.0023	.7374	228.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0053**	**8.130**	**24.84**	**73.99**	**.3023**	**-.0009**	**.0054**	**.7828**	**-.0019**
Stddev	.0002	.034	.07	.10	.0015	.0003	.0003	.0019	.0000
%RSD	3.293	.4151	.2903	.1340	.4894	39.33	5.757	.2438	.0674
#1	-.0055	8.107	24.89	74.06	.3013	-.0011	.0052	.7815	-.0019
#2	-.0052	8.154	24.79	73.92	.3033	-.0006	.0056	.7842	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3166**	**.0002**	**.0027**	**-.0096**	F **252.0**	**.0026**	**.1235**
Stddev	.0002	.0001	.0001	.0001	.6	.0005	.0007
%RSD	.0637	74.47	2.109	1.404	.2525	18.64	.5441
#1	.3168	.0001	.0028	-.0095	251.5	.0029	.1240
#2	.3165	.0003	.0027	-.0097	252.4	.0022	.1230

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	155320.	35326.	1984.2	5668.7
Stddev	500.	10.	2.3	2.6
%RSD	.32185	.02781	.11481	.04627
#1	154960.	35319.	1985.8	5670.6
#2	155670.	35333.	1982.6	5666.9

Zoom In Zoom Out

Sample Name: jb67681-3f Acquired: 5/28/2014 19:35:07 Type: Unk
Method: Accutest1(v77) 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	**.0066**	**.0001**	**.0006**	**.0007**	**.0004**	**.0029**	**.1278**	**.0037**	**.0002**
Stddev	.0002	.0000	.0001	.0003	.0001	.0001	.0003	.0002	.0002
%RSD	2.846	23.97	8.343	34.40	32.54	3.114	.2313	5.738	126.1
#1	.0064	.0000	.0007	.0006	.0003	.0029	.1275	.0039	.0000
#2	.0067	.0001	.0006	.0009	.0005	.0028	.1280	.0036	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0029**	**.0127**	**.0019**	**.0030**	**.0037**	**-.0016**	**.3668**	**220.5**
Stddev	.0001	.0002	.0006	.0006	.0001	.0022	.0002	.0051	1.1
%RSD	51.39	7.765	4.632	34.53	2.751	59.33	9.714	1.402	.4799
#1	.0002	.0030	.0132	.0023	.0029	.0022	-.0018	.3632	219.7
#2	.0004	.0027	.0123	.0014	.0030	.0053	-.0015	.3704	221.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0055**	**7.754**	**24.50**	**72.90**	**.2963**	**-.0006**	**.0054**	**.7515**	**-.0011**
Stddev	.0009	.019	.03	.15	.0017	.0001	.0004	.0030	.0005
%RSD	17.19	.2397	.1354	.2095	.5898	12.27	7.726	.3974	48.78
#1	-.0062	7.740	24.48	72.79	.2951	-.0007	.0051	.7494	-.0015
#2	-.0048	7.767	24.53	73.01	.2975	-.0006	.0057	.7536	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3109**	**.0001**	**.0019**	**-.0093**	F **245.0**	**.0029**	**.1212**
Stddev	.0000	.0002	.0001	.0003	1.5	.0005	.0004
%RSD	.0150	125.4	4.386	2.828	.6173	18.59	.3127
#1	.3109	.0000	.0018	-.0091	243.9	.0025	.1210
#2	.3109	.0002	.0019	-.0095	246.0	.0033	.1215

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	154970.	35601.	1977.7	5673.6
Stddev	44.	43.	8.3	23.9
%RSD	.02862	.12067	.41876	.42207
#1	155010.	35631.	1983.5	5690.6
#2	154940.	35571.	1971.8	5656.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 19:41:13 Type: QC
Method: Accutest1(v77) 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	**2.063**	**2.082**	**2.062**	**1.945**	**1.973**	**1.918**	**2.030**	**2.034**	**.2467**
Stddev	.002	.004	.004	.004	.003	.001	.001	.007	.0006
%RSD	.1137	.1942	.2008	.2285	.1544	.0747	.0655	.3376	.2271
#1	2.061	2.085	2.059	1.942	1.971	1.919	2.029	2.029	.2463
#2	2.065	2.079	2.065	1.948	1.975	1.917	2.031	2.039	.2471
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	**1.998**	**2.039**	**2.019**	**2.040**	**1.988**	**2.043**	**1.975**	**38.26**	**40.36**
Stddev	.001	.002	.006	.009	.009	.006	.006	.02	.13
%RSD	.0672	.1032	.3178	.4468	.4296	.2959	.2816	.0531	.3200
#1	1.997	2.037	2.015	2.034	1.982	2.039	1.971	38.27	40.45
#2	1.999	2.040	2.024	2.047	1.994	2.047	1.979	38.24	40.27
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	**40.31**	**39.85**	**39.96**	**39.73**	**2.012**	**2.062**	**1.920**	**5.020**	**2.073**
Stddev	.08	.14	.07	.05	.005	.009	.003	.013	.004
%RSD	.1919	.3638	.1645	.1270	.2536	.4292	.1528	.2562	.1811
#1	40.37	39.95	40.00	39.76	2.008	2.055	1.922	5.011	2.071
#2	40.26	39.75	39.91	39.69	2.015	2.068	1.917	5.029	2.076
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: 5/28/2014 19:41:13 Type: QC
Method: Accutest1(v77) 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	**2.037**	**1.966**	**2.033**	**1.918**	**1.955**	**2.083**	**1.961**
Stddev	.001	.002	.041	.001	.011	.008	.002
%RSD	.0586	.1170	2.018	.0369	.5780	.3646	.0855
#1	2.036	1.967	2.004	1.917	1.947	2.078	1.960
#2	2.038	1.964	2.062	1.918	1.963	2.089	1.963
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	159050.	35257.	2061.7	5893.2
Stddev	96.	87.	3.8	17.1
%RSD	.06043	.24644	.18496	.29090
#1	159120.	35196.	2064.4	5905.4
#2	158980.	35319.	2059.0	5881.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 19:47:03 Type: Unk
Method: Accutest1(v77) 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**	**-.0003**	**-.0007**	**.0008**	**-.0001**	**-.0095**	**-.0001**	**-.0023**
Stddev	.0001	.0001	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	200.6	18.87	4.121	1.737	38.69	1.443	2.384	.3021
#1	.0001	-.0003	-.0008	.0007	-.0001	-.0096	-.0001	-.0023
#2	.0000	-.0002	-.0007	.0008	.0000	-.0094	-.0001	-.0023

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0008**	**.0004**	**.0002**	**.0020**	**.0063**	**.0017**	**-.0018**	**-.0015**
Stddev	.0000	.0001	.0002	.0001	.0001	.0002	.0002	.0001
%RSD	4.224	35.26	109.4	2.796	1.810	9.420	9.423	7.546
#1	.0007	.0005	.0003	.0020	.0064	.0016	-.0020	-.0014
#2	.0008	.0003	.0000	.0021	.0062	.0018	-.0017	-.0015

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0238**	**.0057**	W **-.0144**	**-.0280**	**-.0540**	**-.0050**	**-.0010**	**-.0006**
Stddev	.0002	.0217	.0003	.0007	.0409	.0024	.0001	.0000
%RSD	.8526	378.0	2.212	2.570	75.72	48.92	6.067	1.404
#1	-.0237	.0211	-.0141	-.0285	-.0829	-.0032	-.0009	-.0006
#2	-.0240	-.0096	-.0146	-.0275	-.0251	-.0067	-.0010	-.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**-.0222**	**-.0015**	**-.0001**	**.0005**	**.0040**	**.0003**	**.0328**
Stddev	.0001	.0000	.0001	.0000	.0002	.0006	.0000	.0013
%RSD	7.617	.1890	4.730	35.60	33.10	16.09	9.925	4.022
#1	.0007	-.0222	-.0016	-.0001	.0007	.0045	.0004	.0337
#2	.0008	-.0221	-.0015	-.0001	.0004	.0035	.0003	.0319

Elem	Bi2230	Li6707
Avg	**.0075**	**.0001**
Stddev	.0000	.0005
%RSD	.5639	734.4
#1	.0075	.0005
#2	.0074	-.0003

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 19:47:03 Type: Unk
Method: Accutest1(v77) 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	**557360.**	*****	**9626.8**	**24091.**
Stddev	18846.	-----	33.1	70.
%RSD	3.3814	-----	.34428	.29230
#1	570680.	-----	9650.3	24140.
#2	544030.	87320.	9603.4	24041.

Zoom In Zoom Out

Sample Name: jb67757-3 Acquired: 5/28/2014 19:53:09 Type: Unk
Method: Accutest1(v77) 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	**.0098**	**.0050**	**.0027**	**.0539**	**.0051**	**.0393**	**5.105**	**.1870**
Stddev	.0001	.0000	.0001	.0004	.0001	.0009	.106	.0009
%RSD	.7837	.0595	5.128	.6958	1.646	2.286	2.067	.4548
#1	.0097	.0050	.0028	.0542	.0051	.0386	5.031	.1876
#2	.0098	.0050	.0026	.0537	.0050	.0399	5.180	.1864

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0035**	**.0053**	**.4716**	**.0156**	F **-.0292**	**.0044**	**.0046**	**-.0019**
Stddev	.0002	.0001	.0027	.0007	.0006	.0009	.0002	.0004
%RSD	4.822	2.184	.5633	4.805	1.980	20.94	5.091	19.99
#1	.0036	.0052	.4735	.0161	-.0288	.0051	.0045	-.0016
#2	.0034	.0054	.4697	.0151	-.0296	.0038	.0048	-.0022

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**13.44**	**83.23**	**26.06**	**32.45**	**21.72**	**64.73**	**.2821**	**.0003**
Stddev	.06	.45	.13	.20	.09	.14	.0001	.0003
%RSD	.4358	.5396	.4880	.6249	.4095	.2091	.0376	95.78
#1	13.40	82.91	25.97	32.31	21.65	64.63	.2821	.0005
#2	13.49	83.54	26.15	32.59	21.78	64.82	.2820	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0023**	**21.21**	**-.0040**	**.2525**	**-.0004**	**.0231**	**-.0076**	F **220.1**
Stddev	.0002	.07	.0006	.0013	.0002	.0006	.0002	.2
%RSD	6.574	.3277	14.37	.5147	54.48	2.396	2.225	.0690
#1	.0024	21.26	-.0044	.2516	-.0003	.0235	-.0077	220.2
#2	.0022	21.16	-.0036	.2534	-.0006	.0227	-.0075	220.0

Elem	Bi2230	Li6707
Avg	**.0017**	**.1300**
Stddev	.0003	.0006
%RSD	19.78	.4680
#1	.0020	.1295
#2	.0015	.1304

Zoom In Zoom Out

Sample Name: jb67757-3 Acquired: 5/28/2014 19:53:09 Type: Unk
Method: Accutest1(v77) 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	**162630.**	**36649.**	**2103.5**	**5885.8**
Stddev	2677.	200.	1.9	7.6
%RSD	1.6458	.54581	.08987	.12914
#1	164520.	36791.	2102.1	5880.4
#2	160740.	36508.	2104.8	5891.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 19:59:11 Type: QC
Method: Accutest1(v77) 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	**2.044**	**2.074**	**2.044**	**1.916**	**1.967**	**1.903**	**2.015**	**2.009**	**.2491**
Stddev	.005	.000	.017	.013	.010	.001	.007	.012	.0002
%RSD	.2608	.0045	.8337	.6915	.5147	.0501	.3453	.5784	.0754
#1	2.040	2.073	2.056	1.925	1.974	1.903	2.020	2.017	.2493
#2	2.048	2.074	2.032	1.907	1.960	1.904	2.010	2.000	.2490
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	**1.962**	**2.013**	**2.001**	**2.030**	**1.962**	**2.025**	**1.944**	**37.55**	**40.29**
Stddev	.006	.012	.016	.014	.012	.014	.019	.15	.06
%RSD	.3012	.5966	.7895	.7039	.5853	.7012	.9768	.4025	.1469
#1	1.966	2.022	2.012	2.040	1.970	2.035	1.958	37.44	40.33
#2	1.957	2.005	1.990	2.020	1.954	2.015	1.931	37.65	40.25
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	**40.04**	**39.53**	**39.29**	**38.83**	**1.992**	**2.037**	**1.903**	**4.941**	**2.054**
Stddev	.00	.07	.20	.18	.017	.014	.002	.043	.018
%RSD	.0045	.1667	.5181	.4593	.8268	.7010	.0878	.8701	.8741
#1	40.04	39.58	39.15	38.70	2.003	2.047	1.902	4.971	2.067
#2	40.04	39.49	39.44	38.96	1.980	2.027	1.904	4.910	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: 5/28/2014 19:59:11 Type: QC
Method: Accutest1(v77) 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	**2.009**	**1.948**	**2.093**	**1.913**	**1.955**	**2.028**	**1.923**
Stddev	.006	.004	.002	.000	.017	.017	.013
%RSD	.2784	.2096	.0956	.0131	.8871	.8533	.6828
#1	2.005	1.951	2.095	1.913	1.967	2.041	1.914
#2	2.013	1.945	2.092	1.913	1.942	2.016	1.933
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	**158640.**	**35290.**	**2076.2**	**5937.0**
Stddev	253.	17.	18.5	45.2
%RSD	.15974	.04888	.88948	.76069
#1	158460.	35277.	2063.1	5905.1
#2	158820.	35302.	2089.2	5968.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 20:05:02 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0001**	**.0001**	**.0002**	**.0010**	**.0002**	**-.0003**
Stddev	.0002	.0000	.0000	.0000	.0000	.0001	.0000	.0002
%RSD	89.56	7.984	25.99	26.79	14.52	11.21	25.06	52.70
#1	.0003	.0001	.0002	.0001	.0002	.0009	.0002	-.0004
#2	.0001	.0001	.0001	.0001	.0002	.0011	.0002	-.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**	**-.0003**	**-.0013**	**.0012**	**.0003**	**-.0003**	**-.0027**	**-.0022**
Stddev	.0001	.0003	.0000	.0003	.0005	.0002	.0020	.0004
%RSD	15.44	126.7	3.517	24.14	153.6	65.10	71.96	19.26
#1	.0004	.0000	-.0014	.0014	.0007	-.0002	-.0041	-.0019
#2	.0003	-.0005	-.0013	.0010	.0000	-.0005	-.0013	-.0025
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	**-.0165**	**-.0076**	**-.0095**	**-.0236**	**.0062**	**.0169**	**.0016**	**.0014**
Stddev	.0012	.0023	.0010	.0154	.0021	.0004	.0001	.0000
%RSD	7.544	29.83	10.50	65.38	34.24	2.270	6.061	.3914
#1	-.0156	-.0091	-.0087	-.0127	.0047	.0166	.0017	.0014
#2	-.0174	-.0060	-.0102	-.0345	.0077	.0171	.0016	.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: 5/28/2014 20:05:02 Type: QC
Method: Accutest1(v77) 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**	**.0007**	**.0004**	**.0000**	**.0002**	W **.0311**	W **.0013**	W **.0059**
Stddev	.0004	.0001	.0003	.0001	.0001	.0020	.0001	.0027
%RSD	590.4	13.85	75.53	198.0	58.54	6.293	7.362	46.21
#1	-.0002	.0006	.0006	.0000	.0004	.0325	.0013	.0079
#2	.0004	.0007	.0002	.0001	.0001	.0298	.0012	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn
High Limit						.0266	.0011	.0050
Low Limit						-.0266	-.0011	-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0027**	**.0013**
Stddev	.0000	.0005
%RSD	1.071	36.10
#1	.0027	.0010
#2	.0027	.0016
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	**167770.**	**36273.**	**2183.0**	**6424.8**
Stddev	45.	169.	15.4	51.5
%RSD	.02699	.46456	.70615	.80154
#1	167740.	36154.	2193.9	6461.2
#2	167800.	36392.	2172.1	6388.4

Zoom In Zoom Out

Sample Name: jb67681-3 Acquired: 5/28/2014 20:15:17 Type: Unk
Method: Accutest1(v77) 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	**.0042**	**.0000**	**.0007**	**.0003**	**.0006**	**.0028**	**.1236**	**.0031**	**.0000**
Stddev	.0001	.0000	.0001	.0002	.0003	.0000	.0003	.0001	.000
%RSD	1.887	25.73	15.38	79.67	50.77	.0503	.2148	3.465	297.0
#1	.0042	.0001	.0006	.0005	.0008	.0028	.1234	.0032	.0001
#2	.0043	.0000	.0008	.0001	.0004	.0028	.1237	.0031	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0006**	**.0114**	**-.0006**	**.0034**	**.0020**	**-.0034**	**.7371**	**228.2**
Stddev	.0000	.0002	.0003	.0010	.0009	.0014	.0015	.0037	1.1
%RSD	64.25	33.79	2.529	172.0	27.06	67.97	44.67	.5000	.4812
#1	.0000	.0008	.0116	.0001	.0040	.0030	-.0044	.7397	227.4
#2	-.0001	.0005	.0112	-.0012	.0027	.0011	-.0023	.7345	228.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0055**	**8.104**	**24.70**	**73.08**	**.3017**	**-.0004**	**.0055**	**.7750**	**-.0021**
Stddev	.0012	.007	.04	.13	.0028	.0001	.0001	.0052	.0006
%RSD	22.17	.0875	.1515	.1808	.9197	21.60	1.833	.6666	27.65
#1	-.0046	8.109	24.68	72.99	.2997	-.0003	.0054	.7714	-.0017
#2	-.0063	8.099	24.73	73.17	.3037	-.0005	.0055	.7787	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3135**	**.0001**	**.0125**	**-.0089**	F **248.8**	**.0037**	**.1217**
Stddev	.0004	.0003	.0009	.0003	2.6	.0002	.0009
%RSD	.1138	189.6	6.857	3.146	1.052	4.834	.7163
#1	.3132	-.0001	.0131	-.0087	246.9	.0036	.1211
#2	.3137	.0003	.0119	-.0091	250.6	.0038	.1223

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**157090.**	**35818.**	**2006.0**	**5735.2**
Stddev	54.	27.	15.2	23.3
%RSD	.03452	.07606	.75804	.40638
#1	157050.	35838.	2016.7	5751.7
#2	157130.	35799.	1995.2	5718.8

Zoom In Zoom Out

Sample Name: jb67681-3f Acquired: 5/28/2014 20:21:21 Type: Unk
Method: Accutest1(v77) 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	**.0053**	**.0000**	**.0005**	**.0003**	**.0003**	**.0030**	**.1197**	**.0034**	**.0001**
Stddev	.0000	.0000	.0003	.0003	.0001	.0001	.0001	.0004	.0001
%RSD	.6965	57.89	48.10	89.86	17.38	1.965	.0537	12.64	58.97
#1	.0052	.0001	.0003	.0005	.0003	.0031	.1198	.0031	.0001
#2	.0053	.0000	.0007	.0001	.0004	.0030	.1197	.0037	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0020**	**.0115**	**.0008**	**.0029**	**.0030**	**-.0024**	**.3562**	**221.0**
Stddev	.0000	.0001	.0018	.0011	.0004	.0003	.0001	.0077	.2
%RSD	30.96	7.021	15.31	133.9	14.73	10.79	5.661	2.176	.0707
#1	.0001	.0021	.0102	.0015	.0032	.0028	-.0025	.3617	221.2
#2	.0001	.0019	.0127	.0000	.0026	.0033	-.0023	.3507	220.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0068**	**7.723**	**24.40**	**72.25**	**.2970**	**-.0004**	**.0063**	**.7421**	**-.0017**
Stddev	.0004	.004	.12	.35	.0015	.0001	.0005	.0032	.0007
%RSD	5.390	.0552	.4835	.4785	.4915	13.48	8.302	.4300	43.53
#1	-.0070	7.726	24.32	72.01	.2960	-.0004	.0059	.7399	-.0022
#2	-.0065	7.720	24.49	72.49	.2981	-.0005	.0067	.7444	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3085**	**.0002**	**.0096**	**-.0090**	F **244.9**	**.0033**	**.1197**
Stddev	.0008	.0001	.0015	.0001	.0	.0005	.0004
%RSD	.2528	69.50	15.80	1.189	.0201	13.67	.2951
#1	.3080	.0003	.0106	-.0089	244.8	.0030	.1195
#2	.3091	.0001	.0085	-.0091	244.9	.0036	.1200

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**156840.**	**36004.**	**1992.1**	**5733.9**
Stddev	225.	66.	13.8	31.7
%RSD	.14334	.18402	.69164	.55325
#1	157000.	35957.	2001.8	5756.3
#2	156680.	36051.	1982.3	5711.5

Zoom In Zoom Out

Sample Name: jb67757-3 Acquired: 5/28/2014 20:27:25 Type: Unk
Method: Accutest1(v77) 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	**.0095**	**.0049**	**.0027**	**.0527**	**.0051**	**.0391**	**5.016**	**.1837**
Stddev	.0000	.0000	.0000	.0003	.0001	.0000	.013	.0013
%RSD	.4717	.0728	1.532	.6605	1.066	.0227	.2535	.7201
#1	.0096	.0049	.0027	.0530	.0051	.0391	5.025	.1847
#2	.0095	.0049	.0027	.0525	.0051	.0391	5.007	.1828

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0042**	**.0050**	**.4618**	**.0158**	F **-.0286**	**.0044**	**.0053**	**-.0034**
Stddev	.0001	.0000	.0017	.0002	.0009	.0001	.0004	.0011
%RSD	1.787	.8435	.3715	1.448	3.016	1.538	7.095	32.70
#1	.0041	.0049	.4630	.0157	-.0292	.0044	.0050	-.0026
#2	.0042	.0050	.4606	.0160	-.0280	.0043	.0056	-.0042

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**13.39**	**82.38**	**25.92**	**32.15**	**21.84**	**64.76**	**.2822**	**.0000**
Stddev	.05	.09	.04	.17	.08	.16	.0002	.000
%RSD	.3862	.1097	.1560	.5152	.3648	.2499	.0797	1838.
#1	13.43	82.44	25.95	32.27	21.90	64.87	.2824	.0001
#2	13.35	82.32	25.89	32.03	21.78	64.64	.2821	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0021**	**21.16**	**-.0040**	**.2523**	**-.0006**	**.0125**	**-.0083**	F **218.6**
Stddev	.0004	.07	.0001	.0008	.0002	.0009	.0000	.8
%RSD	18.27	.3133	1.333	.3282	28.10	7.581	.4643	.3877
#1	.0024	21.21	-.0041	.2529	-.0007	.0132	-.0083	219.2
#2	.0018	21.12	-.0040	.2517	-.0005	.0118	-.0082	218.0

Elem	Bi2230	Li6707
Avg	**.0022**	**.1300**
Stddev	.0001	.0004
%RSD	3.876	.3369
#1	.0022	.1303
#2	.0021	.1297

Zoom In Zoom Out

Sample Name: jb67757-3 Acquired: 5/28/2014 20:27:25 Type: Unk
Method: Accutest1(v77) 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	**163870.**	**36698.**	**2101.6**	**5923.4**
Stddev	266.	40.	1.9	12.7
%RSD	.16203	.10905	.09043	.21427
#1	164060.	36669.	2100.3	5914.4
#2	163680.	36726.	2103.0	5932.4

Zoom In Zoom Out

Sample Name: jb67794-1 Acquired: 5/28/2014 20:33:28 Type: Unk
Method: Accutest1(v77) 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	**.0387**	**.0000**	**.0005**	**.0008**	**.0001**	**.0079**	**1.883**	**.0080**
Stddev	.0008	.000	.0001	.0001	.0002	.0004	.030	.0001
%RSD	1.937	56.42	22.48	9.989	405.5	5.057	1.584	1.757
#1	.0393	.0000	.0005	.0008	.0002	.0076	1.862	.0081
#2	.0382	.0000	.0004	.0009	-.0001	.0082	1.904	.0079

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**-.0003**	**.0096**	**.1435**	F **-.0052**	**.0008**	**.0007**	**.0150**
Stddev	.0000	.0000	.0002	.0028	.0008	.0005	.0006	.0012
%RSD	2.144	9.506	2.301	1.965	15.03	71.89	78.80	7.751
#1	.0004	-.0004	.0098	.1455	-.0057	.0004	.0003	.0158
#2	.0004	-.0003	.0095	.1415	-.0046	.0011	.0011	.0142

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1179**	**59.64**	**.1284**	**18.71**	**4.118**	**128.8**	**.2872**	**.0028**
Stddev	.0079	1.02	.0050	.39	.071	2.3	.0057	.0002
%RSD	6.726	1.712	3.878	2.071	1.724	1.758	1.988	5.673
#1	.1235	60.36	.1319	18.98	4.168	130.5	.2912	.0029
#2	.1123	58.92	.1249	18.43	4.068	127.2	.2832	.0027

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0006**	**7.037**	**-.0016**	**.2795**	**.0001**	**.0081**	**-.0015**	**17.06**
Stddev	.0008	.126	.0005	.0058	.0002	.0008	.0000	.33
%RSD	138.2	1.791	32.89	2.068	307.8	9.491	.5767	1.952
#1	.0011	7.126	-.0012	.2836	.0002	.0086	-.0015	17.29
#2	.0000	6.948	-.0019	.2755	-.0001	.0075	-.0015	16.82

Elem	Bi2230	Li6707
Avg	**.0034**	**.0055**
Stddev	.0001	.0001
%RSD	2.477	1.252
#1	.0033	.0054
#2	.0034	.0055

Zoom In Zoom Out

Sample Name: jb67794-1 Acquired: 5/28/2014 20:33:28 Type: Unk
Method: Accutest1(v77) 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	**158590.**	**36238.**	**2001.9**	**5764.4**
Stddev	2291.	449.	26.6	72.3
%RSD	1.4445	1.2394	1.3306	1.2535
#1	160210.	35920.	1983.0	5713.3
#2	156970.	36555.	2020.7	5815.5

Zoom In Zoom Out

Sample Name: jb67617-8 2 Acquired: 5/28/2014 20:39:33 Type: Unk
Method: Accutest1(v77) 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	**.0311**	**.0001**	**.0002**	**-.0002**	**.0009**	**.0250**	**.0076**	**.0063**
Stddev	.0001	.0000	.0001	.0001	.0001	.0002	.0001	.0000
%RSD	.2368	10.30	26.74	47.29	13.94	.7820	.9334	.2892
#1	.0311	.0001	.0002	-.0003	.0008	.0248	.0076	.0063
#2	.0312	.0001	.0002	-.0001	.0010	.0251	.0075	.0063

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**-.0002**	**.0086**	**.0030**	F **-.0161**	**-.0001**	**-.0010**	**-.0022**
Stddev	.0001	.0001	.0001	.0002	.0005	.0000	.0013	.0005
%RSD	21.13	34.41	1.346	5.590	3.386	4.016	138.6	24.34
#1	.0003	-.0002	.0085	.0029	-.0158	-.0001	-.0019	-.0026
#2	.0005	-.0003	.0087	.0031	-.0165	-.0001	.0000	-.0019

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0363**	**11.31**	**.0356**	**4.690**	**.1856**	**5.457**	**.0442**	**.0003**
Stddev	.0048	.03	.0018	.013	.0149	.013	.0002	.0001
%RSD	13.35	.2877	5.067	.2752	8.013	.2296	.4130	35.27
#1	.0397	11.29	.0368	4.681	.1961	5.466	.0440	.0002
#2	.0328	11.34	.0343	4.699	.1751	5.448	.0443	.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**11.22**	**-.0017**	**.0498**	**.0002**	**.0114**	**-.0012**	**12.95**
Stddev	.0001	.01	.0003	.0000	.0000	.0009	.0001	.02
%RSD	11.87	.0822	16.33	.0644	9.515	8.082	5.893	.1472
#1	.0008	11.22	-.0019	.0499	.0002	.0120	-.0013	12.93
#2	.0007	11.21	-.0015	.0498	.0002	.0107	-.0012	12.96

Elem	Bi2230	Li6707
Avg	**.0008**	**.0044**
Stddev	.0001	.0001
%RSD	16.02	1.767
#1	.0007	.0045
#2	.0009	.0044

Zoom In Zoom Out

Sample Name: jb67617-8 2 Acquired: 5/28/2014 20:39:33 Type: Unk
Method: Accutest1(v77) 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	**164990.**	**35955.**	**2123.8**	**6307.6**
Stddev	326.	112.	6.5	6.3
%RSD	.19755	.31178	.30622	.09968
#1	164760.	36034.	2119.2	6303.2
#2	165220.	35875.	2128.4	6312.0

Zoom In Zoom Out

Sample Name: jb67617-1f Acquired: 5/28/2014 20:45:33 Type: Unk
Method: Accutest1(v77) 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	**.5665**	**-.0003**	**.0008**	**.0013**	**-.0006**	**.0029**	F **11.54**	**.0168**
Stddev	.0006	.0000	.0000	.0000	.0001	.0002	.03	.0002
%RSD	.1063	14.16	1.408	1.367	15.65	6.285	.2649	.9577
#1	.5669	-.0003	.0008	.0013	-.0007	.0028	11.52	.0169
#2	.5661	-.0003	.0008	.0013	-.0005	.0030	11.56	.0167

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0018**	**-.0015**	**-.0060**	**.0030**	F **-.0084**	**.0005**	**.0015**	**-.0027**
Stddev	.0004	.0003	.0002	.0008	.0008	.0002	.0013	.0005
%RSD	20.65	17.32	3.269	26.51	9.957	46.97	92.02	17.68
#1	.0015	-.0013	-.0059	.0036	-.0090	.0003	.0024	-.0030
#2	.0020	-.0017	-.0062	.0025	-.0078	.0006	.0005	-.0024

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1778**	**107.8**	**9.579**	**28.40**	**8.748**	**15.49**	**.1236**	**.0004**
Stddev	.0016	.1	.003	.08	.057	.05	.0004	.0001
%RSD	.8937	.0826	.0313	.2881	.6531	.3151	.2861	18.26
#1	.1767	107.8	9.577	28.34	8.789	15.53	.1239	.0003
#2	.1789	107.7	9.581	28.46	8.708	15.46	.1234	.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0009**	**5.891**	**-.0010**	**.8360**	**.0002**	**.0447**	**.0004**	**.1454**
Stddev	.0001	.019	.0001	.0018	.0004	.0008	.0002	.0004
%RSD	8.169	.3176	14.91	.2124	244.3	1.734	50.39	.2804
#1	-.0008	5.904	-.0009	.8373	.0004	.0453	.0005	.1457
#2	-.0009	5.878	-.0011	.8348	-.0001	.0442	.0002	.1452

Elem	Bi2230	Li6707
Avg	**.0027**	**.0108**
Stddev	.0000	.0008
%RSD	.6850	7.535
#1	.0026	.0113
#2	.0027	.0102

Zoom In Zoom Out

Sample Name: jb67617-1f Acquired: 5/28/2014 20:45:33 Type: Unk
Method: Accutest1(v77) 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	**158190.**	**35112.**	**2042.6**	**5944.5**
Stddev	279.	23.	5.6	11.3
%RSD	.17645	.06429	.27441	.18976
#1	158390.	35128.	2038.6	5936.5
#2	157990.	35096.	2046.6	5952.4

Zoom In Zoom Out

Sample Name: jb67617-2f Acquired: 5/28/2014 20:51:46 Type: Unk
Method: Accutest1(v77) 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	**.0680**	**.0000**	**.0005**	**.0030**	**.0000**	**.0019**	**1.792**	**.0085**
Stddev	.0001	.000	.0001	.0001	.0002	.0001	.002	.0001
%RSD	.1086	91.18	12.54	3.831	834.0	5.313	.1205	1.248
#1	.0681	.0000	.0005	.0031	-.0001	.0020	1.794	.0086
#2	.0680	.0000	.0004	.0029	.0002	.0018	1.791	.0085

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0007**	**-.0002**	**.0044**	**.0030**	F **-.0139**	**.0007**	**.0010**	**-.0016**
Stddev	.0002	.0001	.0000	.0001	.0002	.0000	.0008	.0009
%RSD	27.84	82.79	1.137	3.909	1.647	2.840	80.09	56.57
#1	.0009	-.0003	.0044	.0030	-.0137	.0007	.0004	-.0010
#2	.0006	-.0001	.0043	.0029	-.0140	.0007	.0015	-.0023

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0964**	**48.32**	**.7844**	**10.43**	**.6578**	**14.63**	**.0650**	**.0004**
Stddev	.0063	.14	.0026	.03	.0071	.02	.0002	.0001
%RSD	6.533	.2827	.3360	.2654	1.086	.1434	.3248	13.28
#1	.1008	48.42	.7862	10.45	.6628	14.64	.0648	.0004
#2	.0919	48.23	.7825	10.41	.6527	14.61	.0651	.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0005**	**10.41**	**-.0012**	**.0668**	**.0001**	**.0098**	**-.0006**	**12.54**
Stddev	.0000	.03	.0004	.0002	.0001	.0003	.0000	.05
%RSD	5.044	.2643	33.67	.2892	189.3	3.387	7.308	.3616
#1	.0005	10.39	-.0015	.0670	.0000	.0096	-.0006	12.51
#2	.0005	10.43	-.0009	.0667	.0001	.0101	-.0006	12.57

Elem	Bi2230	Li6707
Avg	**.0011**	**.0094**
Stddev	.0004	.0007
%RSD	32.07	7.686
#1	.0014	.0099
#2	.0009	.0089

Zoom In Zoom Out

Sample Name: jb67617-2f Acquired: 5/28/2014 20:51:46 Type: Unk
Method: Accutest1(v77) 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	**163870.**	**35778.**	**2111.4**	**6202.3**
Stddev	110.	102.	5.1	9.5
%RSD	.06699	.28507	.24365	.15285
#1	163790.	35706.	2115.0	6209.0
#2	163940.	35850.	2107.8	6195.5

Zoom In Zoom Out

Sample Name: jb67617-3f Acquired: 5/28/2014 20:57:46 Type: Unk
Method: Accutest1(v77) 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	**.0501**	**.0001**	**.0002**	**-.0002**	**.0009**	**.0015**	**.0197**	**.0037**
Stddev	.0000	.0000	.0000	.0000	.0002	.0004	.0007	.0003
%RSD	.0463	22.28	2.158	4.048	19.91	27.92	3.385	9.442
#1	.0501	.0001	.0002	-.0002	.0008	.0012	.0193	.0039
#2	.0501	.0001	.0002	-.0002	.0011	.0017	.0202	.0034

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**-.0004**	**.0054**	**.0015**	F **-.0119**	**.0000**	**.0003**	**-.0015**
Stddev	.0000	.0003	.0000	.0001	.0005	.000	.0009	.0006
%RSD	9.139	81.87	.1804	5.735	4.399	674.8	296.3	38.84
#1	.0003	-.0002	.0054	.0015	-.0123	.0001	.0009	-.0020
#2	.0003	-.0006	.0054	.0014	-.0115	-.0002	-.0003	-.0011

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0165**	**9.628**	**.0054**	**3.122**	**.2984**	**2.742**	**.0128**	**.0002**
Stddev	.0025	.025	.0003	.005	.0134	.013	.0006	.0001
%RSD	15.21	.2572	4.695	.1611	4.474	.4637	4.668	63.74
#1	.0147	9.645	.0052	3.119	.3078	2.751	.0132	.0003
#2	.0182	9.610	.0056	3.126	.2889	2.733	.0124	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**8.818**	**-.0010**	**.0562**	**.0005**	**.0084**	**-.0006**	**7.802**
Stddev	.0001	.108	.0001	.0001	.0001	.0003	.0002	.083
%RSD	206.1	1.219	6.891	.2475	18.76	3.213	39.34	1.059
#1	.0001	8.894	-.0010	.0563	.0005	.0086	-.0007	7.860
#2	.0000	8.742	-.0011	.0561	.0004	.0082	-.0004	7.743

Elem	Bi2230	Li6707
Avg	**.0006**	**.0026**
Stddev	.0002	.0001
%RSD	40.33	4.742
#1	.0004	.0027
#2	.0007	.0025

Zoom In Zoom Out

Sample Name: jb67617-3f Acquired: 5/28/2014 20:57:46 Type: Unk
Method: Accutest1(v77) 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	**166260.**	**36752.**	**2162.8**	**6441.0**
Stddev	3843.	116.	17.4	59.6
%RSD	2.3111	.31440	.80471	.92541
#1	168980.	36670.	2150.5	6398.8
#2	163540.	36834.	2175.1	6483.1

Zoom In Zoom Out

Sample Name: jb67617-4f Acquired: 5/28/2014 21:03:46 Type: Unk
Method: Accutest1(v77) 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	**.1218**	**.0000**	**.0006**	**-.0004**	**.0006**	**.0280**	**.0007**	**.0017**
Stddev	.0008	.0000	.0000	.0002	.0000	.0009	.0000	.0001
%RSD	.6361	158.8	7.683	66.93	2.582	3.074	2.806	8.432
#1	.1213	.0000	.0006	-.0002	.0006	.0274	.0007	.0016
#2	.1223	.0000	.0006	-.0005	.0006	.0286	.0007	.0018

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**.0001**	**.4558**	**.0049**	F **-.0145**	**.0006**	**.0002**	**-.0021**
Stddev	.0000	.0001	.0036	.0002	.0004	.0004	.0013	.0007
%RSD	10.96	46.37	.7938	3.329	2.673	71.72	631.1	31.07
#1	.0005	.0002	.4532	.0048	-.0148	.0009	.0011	-.0026
#2	.0004	.0001	.4583	.0050	-.0142	.0003	-.0007	-.0017

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.7055**	**87.55**	**.0063**	**21.89**	**1.735**	**41.53**	**.0198**	**.0000**
Stddev	.0020	.39	.0001	.03	.004	.29	.0001	.0003
%RSD	.2815	.4449	1.366	.1345	.2518	.7008	.2766	996.8
#1	.7041	87.28	.0062	21.87	1.738	41.32	.0199	.0003
#2	.7069	87.83	.0063	21.92	1.732	41.74	.0198	-.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0030**	**11.84**	**-.0023**	**.3634**	**-.0002**	**.0093**	**-.0037**	**64.91**
Stddev	.0001	.10	.0000	.0019	.0002	.0012	.0000	.32
%RSD	4.365	.8836	.6903	.5189	145.3	12.41	.5345	.4987
#1	.0031	11.77	-.0023	.3621	.0000	.0085	-.0037	64.68
#2	.0029	11.92	-.0023	.3648	-.0003	.0102	-.0038	65.14

Elem	Bi2230	Li6707
Avg	**.0017**	**.0119**
Stddev	.0005	.0005
%RSD	32.75	4.319
#1	.0020	.0115
#2	.0013	.0122

Zoom In Zoom Out

Sample Name: jb67617-4f Acquired: 5/28/2014 21:03:46 Type: Unk
Method: Accutest1(v77) 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	**163730.**	**35569.**	**2075.5**	**6035.5**
Stddev	3717.	135.	11.5	27.0
%RSD	2.2699	.38042	.55226	.44811
#1	166360.	35665.	2083.6	6054.6
#2	161100.	35473.	2067.4	6016.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 21:09:48 Type: Unk
Method: Accutest1(v77) 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	**2.071**	**2.092**	**2.048**	**1.895**	**1.985**	**1.904**	**2.030**	**2.011**	**.2470**
Stddev	.050	.049	.011	.006	.069	.041	.061	.006	.0005
%RSD	2.435	2.329	.5496	.3454	3.482	2.127	3.024	.2906	.2013
#1	2.106	2.126	2.056	1.900	2.033	1.933	2.073	2.015	.2467
#2	2.035	2.057	2.040	1.891	1.936	1.876	1.986	2.006	.2474

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.959**	**2.077**	**2.021**	**1.975**	**1.950**	**2.105**	**1.915**	**37.52**	**40.49**
Stddev	.035	.088	.046	.049	.001	.123	.001	.88	1.02
%RSD	1.809	4.251	2.277	2.463	.0735	5.861	.0300	2.357	2.531
#1	1.984	2.139	2.053	1.941	1.949	2.193	1.915	38.15	41.21
#2	1.934	2.014	1.988	2.009	1.951	2.018	1.916	36.90	39.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**40.15**	**39.67**	**39.64**	**39.05**	**2.020**	**2.030**	**1.895**	**5.006**	**2.048**
Stddev	.90	.89	.82	.89	.065	.006	.023	.143	.004
%RSD	2.233	2.243	2.066	2.288	3.236	.2860	1.204	2.850	.1765
#1	40.79	40.30	40.22	39.68	2.066	2.034	1.911	5.107	2.051
#2	39.52	39.04	39.06	38.42	1.974	2.026	1.879	4.905	2.046

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.021**	**1.964**	**2.062**	**1.911**	**1.919**	**2.022**	**1.932**
Stddev	.045	.060	.018	.054	.009	.002	.048
%RSD	2.240	3.061	.8497	2.817	.4499	.1170	2.497
#1	2.053	2.006	2.050	1.949	1.925	2.024	1.966
#2	1.989	1.921	2.074	1.873	1.913	2.021	1.898

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	35251.	2099.0	5984.4
Stddev	-----	561.	8.7	20.3
%RSD	-----	1.5905	.41341	.33864
#1	-----	34854.	2092.9	5970.0
#2	160400.	35647.	2105.1	5998.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 21:15:39 Type: QC
Method: Accutest1(v77) 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**	**.0000**	**.0000**	**.0000**	**.0011**	**.0001**	**-.0004**	**.0006**
Stddev	.0001	.0000	.0000	.0000	.0001	.0000	.0000	.0001	.0002
%RSD	36.65	4.997	37.14	337.6	341.6	1.101	25.64	16.61	30.89
#1	.0003	.0001	.0000	.0000	.0001	.0011	.0001	-.0003	.0007
#2	.0002	.0001	.0001	.0000	.0000	.0010	.0001	-.0004	.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	**-.0003**	**-.0015**	**.0001**	**.0001**	**-.0013**	**-.0015**	**-.0019**	**-.0240**	**-.0079**
Stddev	.0000	.0003	.0000	.0016	.0004	.0034	.0009	.0081	.0008
%RSD	11.35	17.89	20.18	2911.	27.72	218.2	46.32	33.81	10.58
#1	-.0004	-.0016	.0002	-.0011	-.0010	.0008	-.0013	-.0182	-.0073
#2	-.0003	-.0013	.0001	.0012	-.0015	-.0039	-.0025	-.0297	-.0085
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	**-.0105**	**-.0184**	**-.0183**	**.0153**	**.0019**	**.0013**	**-.0002**	**.0018**	**.0002**
Stddev	.0014	.0016	.0182	.0017	.0006	.0003	.0002	.0001	.0000
%RSD	13.42	8.541	99.58	11.42	31.49	24.16	83.07	3.836	11.37
#1	-.0115	-.0172	-.0054	.0166	.0023	.0016	-.0004	.0019	.0002
#2	-.0095	-.0195	-.0312	.0141	.0015	.0011	-.0001	.0018	.0002
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: 5/28/2014 21:15:39 Type: QC
Method: Accutest1(v77) 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**	**.0245**	**.0009**	**.0024**	**.0029**	**.0007**
Stddev	.0000	.0000	.0022	.0001	.0007	.0001	.0005
%RSD	148.2	4.590	8.796	8.410	28.65	1.779	72.27
#1	.0000	.0001	.0261	.0009	.0019	.0029	.0011
#2	.0000	.0001	.0230	.0010	.0029	.0028	.0004
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	**167670.**	**36438.**	**2202.8**	**6489.2**
Stddev	168.	15.	2.0	.8
%RSD	.10038	.04004	.08855	.01275
#1	167790.	36428.	2204.2	6488.6
#2	167550.	36448.	2201.4	6489.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 21:21:45 Type: QC
Method: Accutest1(v77) 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	**2.094**	**2.119**	**2.057**	**1.903**	**1.948**	**1.884**	**1.998**	**2.017**	**.2500**
Stddev	.077	.085	.006	.005	.008	.002	.005	.006	.0001
%RSD	3.697	4.000	.2871	.2592	.4033	.1138	.2752	.3242	.0280
#1	2.149	2.179	2.061	1.907	1.942	1.883	1.994	2.022	.2500
#2	2.039	2.059	2.053	1.900	1.954	1.886	2.002	2.013	.2499
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	**1.946**	**2.023**	**2.008**	**2.035**	**1.961**	**2.043**	**1.933**	**37.99**	**41.13**
Stddev	.007	.012	.005	.007	.008	.007	.003	1.52	1.62
%RSD	.3603	.5683	.2586	.3427	.4002	.3689	.1761	3.994	3.931
#1	1.941	2.031	2.011	2.039	1.967	2.048	1.935	39.06	42.28
#2	1.950	2.015	2.004	2.030	1.956	2.038	1.931	36.92	39.99
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	**40.74**	**40.43**	**40.23**	**39.57**	**1.987**	**2.044**	**1.893**	**4.922**	**2.067**
Stddev	1.61	1.65	1.52	1.49	.005	.003	.004	.007	.007
%RSD	3.939	4.075	3.780	3.777	.2466	.1648	.1910	.1334	.3316
#1	41.88	41.60	41.30	40.62	1.991	2.046	1.890	4.927	2.072
#2	39.61	39.27	39.15	38.51	1.984	2.042	1.895	4.918	2.062
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: 5/28/2014 21:21:45 Type: QC
Method: Accutest1(v77) 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	**2.045**	**1.933**	**2.108**	**1.884**	**1.937**	**2.042**	**1.948**
Stddev	.077	.008	.011	.005	.001	.002	.073
%RSD	3.758	.4239	.5326	.2718	.0368	.0760	3.763
#1	2.100	1.927	2.100	1.880	1.937	2.043	2.000
#2	1.991	1.939	2.116	1.888	1.936	2.041	1.896
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	**160690.**	**34952.**	**2091.3**	**5969.8**
Stddev	400.	1165.	1.2	4.8
%RSD	.24862	3.3333	.05903	.08030
#1	160970.	34128.	2090.4	5966.4
#2	160400.	35776.	2092.2	5973.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 21:27:37 Type: QC
Method: Accutest1(v77) 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**	**.0002**	**.0003**	**-.0001**	**.0011**	**.0002**	**-.0003**
Stddev	.0002	.0000	.0002	.0000	.0001	.0000	.0000	.0001
%RSD	76.74	10.89	111.5	5.305	145.0	3.608	18.40	22.56
#1	.0004	.0002	.0000	.0003	.0000	.0011	.0001	-.0003
#2	.0001	.0001	.0003	.0003	-.0001	.0010	.0002	-.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	**.0002**	**-.0002**	**-.0012**	**.0003**	**.0009**	**-.0009**	**-.0020**	**-.0017**
Stddev	.0001	.0003	.0003	.0006	.0000	.0001	.0004	.0004
%RSD	59.68	115.3	29.84	227.7	3.214	12.16	21.84	21.64
#1	.0004	-.0004	-.0014	.0007	.0010	-.0008	-.0023	-.0014
#2	.0001	.0000	-.0009	-.0002	.0009	-.0009	-.0017	-.0020
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	**-.0200**	**-.0034**	**-.0084**	**-.0226**	**.0105**	**.0140**	**.0021**	**.0015**
Stddev	.0025	.0015	.0003	.0038	.0070	.0013	.0001	.0001
%RSD	12.35	43.45	4.055	16.64	66.10	9.204	2.475	9.773
#1	-.0182	-.0024	-.0086	-.0252	.0056	.0131	.0021	.0016
#2	-.0217	-.0045	-.0081	-.0199	.0155	.0149	.0021	.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: 5/28/2014 21:27:37 Type: QC
Method: Accutest1(v77) 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**	**-.0001**	**.0003**	**.0000**	**.0003**	W **.0302**	W **.0013**	**.0024**
Stddev	.0004	.0002	.0001	.0000	.0001	.0022	.0001	.0012
%RSD	119.0	458.4	26.08	54.07	48.49	7.284	6.737	51.89
#1	.0006	-.0002	.0003	.0000	.0003	.0317	.0013	.0033
#2	.0001	.0001	.0004	.0000	.0002	.0286	.0012	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0266	.0011	
Low Limit						-.0266	-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0029**	**.0004**
Stddev	.0002	.0000
%RSD	6.332	6.572
#1	.0028	.0004
#2	.0031	.0005
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	**168280.**	**36371.**	**2197.3**	**6486.7**
Stddev	95.	43.	15.7	49.3
%RSD	.05662	.11824	.71659	.76070
#1	168210.	36402.	2208.4	6521.6
#2	168340.	36341.	2186.2	6451.8

Zoom In Zoom Out

Sample Name: jb67617-5f Acquired: 5/28/2014 21:33:43 Type: Unk
Method: Accutest1(v77) 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	**.0655**	**.0001**	**.0005**	**.0000**	**.0008**	**.0019**	**.3384**	**.0148**
Stddev	.0000	.0000	.0001	.0004	.0001	.0001	.0004	.0003
%RSD	.0527	8.269	26.43	846.1	11.58	7.084	.1220	2.133
#1	.0655	.0001	.0004	.0003	.0007	.0020	.3387	.0146
#2	.0655	.0001	.0006	-.0002	.0009	.0018	.3381	.0150

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0006**	**-.0003**	**.0284**	**.0022**	F **-.0103**	**-.0005**	**-.0012**	**-.0021**
Stddev	.0000	.0001	.0007	.0004	.0000	.0008	.0004	.0002
%RSD	3.992	26.92	2.439	19.40	.4362	157.0	32.78	8.321
#1	.0006	-.0004	.0279	.0025	-.0103	.0001	-.0015	-.0019
#2	.0006	-.0003	.0289	.0019	-.0104	-.0011	-.0009	-.0022

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0408**	**17.99**	**.0201**	**7.970**	**.8342**	**7.704**	**.0272**	**.0007**
Stddev	.0077	.06	.0009	.053	.0073	.031	.0003	.0001
%RSD	19.01	.3169	4.378	.6659	.8772	.4048	1.114	8.413
#1	.0462	17.95	.0207	7.933	.8291	7.682	.0274	.0007
#2	.0353	18.03	.0195	8.008	.8394	7.726	.0269	.0007

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0004**	**7.759**	**-.0007**	**.0999**	**-.0001**	**.0234**	**-.0001**	**11.30**
Stddev	.0001	.122	.0002	.0001	.0000	.0013	.0000	.18
%RSD	31.59	1.568	28.11	.1275	28.66	5.712	17.01	1.635
#1	.0005	7.673	-.0009	.0999	-.0001	.0244	-.0001	11.17
#2	.0003	7.845	-.0006	.1000	-.0001	.0225	-.0001	11.43

Elem	Bi2230	Li6707
Avg	**.0009**	**.0040**
Stddev	.0005	.0004
%RSD	54.56	9.831
#1	.0013	.0037
#2	.0006	.0042

Zoom In Zoom Out

Sample Name: jb67617-5f Acquired: 5/28/2014 21:33:43 Type: Unk
Method: Accutest1(v77) 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	**168960.**	**36249.**	**2136.7**	**6320.5**
Stddev	515.	148.	22.6	65.5
%RSD	.30481	.40767	1.0579	1.0370
#1	168600.	36353.	2152.7	6366.8
#2	169330.	36144.	2120.7	6274.1

Zoom In Zoom Out

Sample Name: jb67617-6f Acquired: 5/28/2014 21:39:43 Type: Unk
Method: Accutest1(v77) 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	**.2271**	**-.0006**	**.0012**	**.0081**	**-.0004**	**.0059**	F **21.21**	**.0268**
Stddev	.0003	.0000	.0002	.0001	.0002	.0002	.04	.0004
%RSD	.1346	.4123	18.38	1.578	56.10	3.457	.1821	1.402
#1	.2273	-.0006	.0011	.0082	-.0002	.0060	21.18	.0266
#2	.2269	-.0006	.0014	.0080	-.0006	.0057	21.24	.0271

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0006**	**-.0058**	**.0059**	**-.0013**	F **-.0091**	**.0014**	**.0054**	**-.0026**
Stddev	.0002	.0002	.0003	.0002	.0008	.0000	.0020	.0004
%RSD	26.18	3.175	4.374	16.64	9.174	3.392	36.06	13.65
#1	.0007	-.0059	.0057	-.0012	-.0097	.0014	.0068	-.0029
#2	.0005	-.0056	.0061	-.0015	-.0085	.0013	.0040	-.0024

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1288**	**70.19**	**.0717**	**37.61**	**1.151**	**7.587**	**.0902**	**.0001**
Stddev	.0006	.28	.0001	.11	.020	.022	.0020	.0001
%RSD	.4324	.3960	.1482	.3024	1.763	.2971	2.270	213.5
#1	.1284	70.38	.0718	37.69	1.137	7.603	.0888	.0002
#2	.1292	69.99	.0716	37.53	1.166	7.571	.0917	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0017**	**8.331**	**-.0019**	**.3493**	**.0003**	**.0172**	**-.0004**	**2.193**
Stddev	.0003	.104	.0007	.0009	.0002	.0006	.0002	.026
%RSD	20.74	1.243	36.04	.2704	61.92	3.552	46.44	1.185
#1	-.0019	8.258	-.0023	.3500	.0002	.0176	-.0003	2.175
#2	-.0014	8.405	-.0014	.3486	.0004	.0168	-.0005	2.211

Elem	Bi2230	Li6707
Avg	**.0033**	**.0056**
Stddev	.0001	.0003
%RSD	2.789	6.206
#1	.0033	.0059
#2	.0032	.0054

Zoom In Zoom Out

Sample Name: jb67617-6f Acquired: 5/28/2014 21:39:43 Type: Unk
Method: Accutest1(v77) 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	**161530.**	**35421.**	**2096.7**	**6113.8**
Stddev	244.	82.	21.5	67.8
%RSD	.15128	.23076	1.0233	1.1091
#1	161350.	35364.	2111.9	6161.7
#2	161700.	35479.	2081.5	6065.9

Zoom In Zoom Out

Sample Name: jb67617-7f Acquired: 5/28/2014 21:45:49 Type: Unk
Method: Accutest1(v77) 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	**.0319**	**.0001**	**.0002**	**.0000**	**.0007**	**.0248**	**.0064**	**.0064**
Stddev	.0001	.0000	.0001	.0001	.0001	.0001	.0000	.0000
%RSD	.3501	25.71	61.34	325.7	19.97	.2564	.2445	.7279
#1	.0320	.0001	.0003	.0000	.0006	.0248	.0064	.0064
#2	.0319	.0001	.0001	.0001	.0008	.0249	.0064	.0063

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0007**	**-.0002**	**.0110**	**.0017**	F **-.0147**	**.0003**	**-.0007**	**-.0019**
Stddev	.0000	.0000	.0000	.0002	.0005	.0000	.0004	.0007
%RSD	3.676	.9491	.2846	11.49	3.083	13.55	65.38	38.05
#1	.0007	-.0002	.0110	.0015	-.0143	.0003	-.0004	-.0014
#2	.0007	-.0002	.0110	.0018	-.0150	.0003	-.0010	-.0024

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0067**	**11.78**	**.0063**	**4.908**	**.2260**	**5.663**	**.0453**	**.0005**
Stddev	.0007	.03	.0001	.002	.0051	.008	.0002	.0000
%RSD	10.44	.2882	1.653	.0379	2.245	.1492	.4158	6.354
#1	.0062	11.80	.0063	4.906	.2296	5.657	.0454	.0005
#2	.0072	11.76	.0064	4.909	.2225	5.668	.0451	.0005

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0008**	**11.48**	**-.0014**	**.0517**	**-.0003**	**.0130**	**-.0013**	**13.30**
Stddev	.0002	.02	.0002	.0000	.0002	.0013	.0001	.00
%RSD	29.13	.1600	11.65	.0277	63.96	10.26	9.591	.0273
#1	.0010	11.47	-.0016	.0517	-.0002	.0139	-.0012	13.30
#2	.0006	11.49	-.0013	.0517	-.0005	.0120	-.0014	13.30

Elem	Bi2230	Li6707
Avg	**.0006**	**.0035**
Stddev	.0006	.0005
%RSD	103.7	14.87
#1	.0010	.0039
#2	.0002	.0032

Zoom In Zoom Out

Sample Name: jb67617-7f Acquired: 5/28/2014 21:45:49 Type: Unk
Method: Accutest1(v77) 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	**168230.**	**36551.**	**2175.2**	**6440.4**
Stddev	246.	51.	3.8	6.1
%RSD	.14648	.13954	.17406	.09519
#1	168060.	36587.	2177.9	6444.8
#2	168400.	36515.	2172.5	6436.1

Zoom In Zoom Out

Sample Name: jb67617-8f Acquired: 5/28/2014 21:51:50 Type: Unk
Method: Accutest1(v77) 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	**.0298**	**.0001**	**.0002**	**.0000**	**.0005**	**.0266**	**.0064**	**.0061**
Stddev	.0015	.0000	.0000	.000	.0003	.0018	.0003	.0001
%RSD	5.051	13.29	3.797	149.3	70.54	6.841	4.833	1.910
#1	.0309	.0001	.0002	-.0001	.0002	.0278	.0067	.0062
#2	.0288	.0001	.0002	.0000	.0007	.0253	.0062	.0060

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0007**	**-.0005**	**.0105**	**.0028**	F **-.0159**	**-.0004**	**-.0005**	**-.0022**
Stddev	.0003	.0001	.0001	.0005	.0004	.0008	.0009	.0001
%RSD	36.79	15.20	1.289	17.59	2.808	214.9	199.2	6.553
#1	.0005	-.0006	.0104	.0024	-.0163	-.0010	.0002	-.0023
#2	.0009	-.0005	.0106	.0031	-.0156	.0002	-.0011	-.0021

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0020**	**11.03**	**.0067**	**4.603**	**.2039**	**5.306**	**.0444**	**.0004**
Stddev	.0020	.62	.0009	.270	.0038	.300	.0004	.0001
%RSD	99.11	5.615	13.85	5.861	1.882	5.661	.8008	20.00
#1	.0034	11.46	.0073	4.794	.2066	5.519	.0441	.0004
#2	.0006	10.59	.0060	4.412	.2011	5.094	.0446	.0003

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0003**	**11.20**	**-.0009**	**.0484**	**-.0002**	**.0108**	**-.0013**	**13.00**
Stddev	.0013	.02	.0005	.0029	.0003	.0000	.0000	.05
%RSD	491.0	.1367	59.81	5.985	120.9	.3725	2.031	.3564
#1	.0011	11.19	-.0013	.0504	.0000	.0108	-.0013	12.96
#2	-.0006	11.21	-.0005	.0463	-.0004	.0107	-.0012	13.03

Elem	Bi2230	Li6707
Avg	**.0005**	**.0039**
Stddev	.0003	.0002
%RSD	60.40	5.686
#1	.0008	.0041
#2	.0003	.0038

Zoom In Zoom Out

Sample Name: jb67617-8f Acquired: 5/28/2014 21:51:50 Type: Unk
Method: Accutest1(v77) 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	**161540.**	**37768.**	**2161.3**	**6406.5**
Stddev	6545.	1775.	7.5	18.0
%RSD	4.0515	4.7009	.34893	.28140
#1	156920.	36512.	2166.6	6419.2
#2	166170.	39023.	2155.9	6393.7

Zoom In Zoom Out

Sample Name: mp79684-mb1conf Acquired: 5/28/2014 21:57:50 Type: Unk
Method: Accutest1(v77) 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**	**.0001**	**.0012**	**.0001**	**-.0004**
Stddev	.0000	.0000	.0001	.000	.0002	.0001	.0000	.0000
%RSD	24.26	917.0	109.8	341.4	187.5	6.814	34.05	5.856
#1	.0001	.0000	.0000	.0000	.0003	.0012	.0001	-.0004
#2	.0001	.0000	.0002	-.0001	.0000	.0011	.0001	-.0004

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0006**	**-.0004**	**.0001**	**.0002**	**.0000**	**-.0005**	**.0001**	**-.0018**
Stddev	.0002	.0001	.0000	.0002	.001	.0002	.0000	.0001
%RSD	31.36	31.54	10.36	119.4	1581.	49.10	11.70	6.976
#1	.0004	-.0003	.0001	.0000	-.0005	-.0007	.0001	-.0017
#2	.0007	-.0005	.0001	.0003	.0004	-.0003	.0001	-.0018

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0215**	**-.0063**	W **-.0101**	**-.0241**	**-.0218**	**.0079**	**.0005**	**.0001**
Stddev	.0020	.0014	.0003	.0040	.0012	.0002	.0002	.0000
%RSD	9.290	22.72	3.025	16.56	5.712	2.775	42.71	58.94
#1	-.0201	-.0073	-.0104	-.0269	-.0226	.0077	.0003	.0001
#2	-.0229	-.0053	-.0099	-.0213	-.0209	.0080	.0006	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0001**	**.0180**	**-.0003**	**-.0001**	**.0005**	**.0039**	**.0002**	**.0038**
Stddev	.0003	.0003	.0000	.0001	.0000	.0002	.0000	.0005
%RSD	417.9	1.509	3.879	77.87	6.825	4.933	1.681	13.05
#1	-.0003	.0178	-.0003	.0000	.0004	.0038	.0002	.0035
#2	.0002	.0181	-.0003	-.0001	.0005	.0040	.0002	.0042

Elem	Bi2230	Li6707
Avg	**.0025**	**.0004**
Stddev	.0003	.0002
%RSD	12.90	42.49
#1	.0028	.0003
#2	.0023	.0006

Zoom In Zoom Out

Sample Name: mp79684-mb1conf Acquired: 5/28/2014 21:57:50 Type: Unk
Method: Accutest1(v77) 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	**167270.**	**36384.**	**2217.9**	**6534.9**
Stddev	393.	132.	4.3	21.9
%RSD	.23505	.36385	.19390	.33535
#1	167550.	36477.	2214.8	6519.4
#2	166990.	36290.	2220.9	6550.4

Zoom In Zoom Out

Sample Name: mp79705-mb1 2 Acquired: 5/28/2014 22:03:52 Type: Unk
Method: Accutest1(v77) 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**	**.0002**	**.0001**	**.0000**	**.0012**	**.0001**	**-.0006**	**.0004**
Stddev	.0000	.0000	.0001	.0002	.000	.0001	.0000	.0001	.0001
%RSD	19.00	226.7	77.99	233.9	182.6	11.23	14.03	10.72	23.72
#1	.0003	.0000	.0002	.0003	.0000	.0013	.0001	-.0006	.0003
#2	.0002	.0000	.0001	-.0001	.0000	.0011	.0001	-.0005	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0013**	**-.0001**	**-.0005**	**-.0002**	**-.0014**	**-.0022**	**-.0196**	**.0026**
Stddev	.0000	.0000	.0002	.0018	.0001	.0012	.0000	.0028	.0031
%RSD	1.736	.6887	267.4	365.2	63.52	81.72	2.069	14.28	121.0
#1	-.0004	.0013	.0001	-.0017	-.0003	-.0022	-.0022	-.0176	.0048
#2	-.0004	.0013	-.0002	.0008	-.0001	-.0006	-.0021	-.0216	.0004

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0096**	**-.0276**	**-.0182**	**.0137**	**.0010**	**.0002**	**-.0001**	**.0156**	**.0004**
Stddev	.0001	.0001	.0014	.0009	.0000	.0001	.0003	.0003	.0004
%RSD	.9260	.4093	7.746	6.308	1.211	33.57	190.5	2.070	95.48
#1	-.0096	-.0277	-.0172	.0143	.0010	.0001	-.0003	.0153	.0001
#2	-.0095	-.0275	-.0192	.0131	.0010	.0002	.0001	.0158	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0001**	**.0061**	**.0004**	**.0048**	**.0022**	**.0007**
Stddev	.0000	.0000	.0005	.0000	.0017	.0002	.0001
%RSD	43.54	12.71	8.498	4.387	35.80	6.745	13.15
#1	.0000	.0001	.0064	.0004	.0036	.0023	.0008
#2	-.0001	.0001	.0057	.0004	.0060	.0021	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169130.**	**36576.**	**2185.1**	**6490.8**
Stddev	38.	176.	9.6	22.1
%RSD	.02249	.47992	.44107	.34114
#1	169150.	36452.	2191.9	6506.4
#2	169100.	36700.	2178.3	6475.1

Zoom In Zoom Out

Sample Name: mp79705-lc1 Acquired: 5/28/2014 22:09:57 Type: Unk
Method: Accutest1(v77) 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	**.5156**	**.5187**	**.5093**	**.4611**	**.4975**	**.4579**	**.5071**	**.5020**	**.1908**
Stddev	.0001	.0004	.0004	.0007	.0017	.0005	.0020	.0009	.0002
%RSD	.0280	.0720	.0712	.1413	.3419	.1126	.4007	.1843	.1080
#1	.5157	.5185	.5091	.4615	.4987	.4576	.5085	.5014	.1907
#2	.5154	.5190	.5096	.4606	.4963	.4583	.5056	.5027	.1910

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4819**	**.5450**	**.4964**	**.5080**	**.4886**	**.5267**	**.4719**	**4.661**	**5.583**
Stddev	.0012	.0011	.0031	.0028	.0003	.0003	.0004	.006	.014
%RSD	.2439	.2069	.6167	.5429	.0569	.0487	.0937	.1191	.2581
#1	.4827	.5442	.4942	.5099	.4888	.5269	.4722	4.665	5.573
#2	.4811	.5458	.4986	.5060	.4884	.5265	.4716	4.657	5.593

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.603**	**5.338**	**10.01**	**9.869**	**.0430**	**.5062**	**-.0031**	**.0891**	**.0008**
Stddev	.010	.048	.02	.000	.0004	.0008	.0001	.0000	.0000
%RSD	.1704	.8983	.1512	.0041	.9788	.1646	4.738	.0029	1.880
#1	5.597	5.305	10.00	9.869	.0427	.5057	-.0030	.0891	.0008
#2	5.610	5.372	10.02	9.869	.0433	.5068	-.0032	.0891	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4903**	**.0120**	**.0037**	**.0021**	**-.0001**	**.0011**
Stddev	.0000	.0014	.0004	.0001	.0008	.0003	.0003
%RSD	16.56	.2783	3.049	3.063	37.30	274.4	29.04
#1	-.0002	.4913	.0122	.0038	.0026	.0001	.0013
#2	-.0001	.4894	.0117	.0036	.0015	-.0003	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166220.**	**36020.**	**2157.9**	**6338.1**
Stddev	400.	27.	3.4	12.5
%RSD	.24041	.07518	.15685	.19678
#1	165940.	36001.	2155.5	6329.2
#2	166500.	36040.	2160.3	6346.9

Zoom In Zoom Out

Sample Name: mp79705-s1 Acquired: 5/28/2014 22:15:49 Type: Unk
Method: Accutest1(v77) 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	**2.601**	**.0488**	**.0500**	**.4472**	**.1998**	**.2140**	**5.221**	**.4823**	**.0387**
Stddev	.018	.0004	.0005	.0048	.0004	.0009	.037	.0051	.0001
%RSD	.6780	.7754	1.015	1.075	.1963	.4274	.7063	1.056	.2233
#1	2.614	.0491	.0496	.4438	.2001	.2134	5.195	.4787	.0388
#2	2.589	.0486	.0504	.4506	.1995	.2147	5.247	.4859	.0387

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4396**	**.5257**	**1.912**	**1.846**	**.4542**	**2.015**	**.4347**	**4.362**	**38.87**
Stddev	.0005	.0043	.023	.014	.0026	.027	.0075	.059	.38
%RSD	.1092	.8203	1.207	.7373	.5662	1.333	1.722	1.345	.9851
#1	.4393	.5226	1.895	1.837	.4523	1.996	.4294	4.403	39.14
#2	.4400	.5287	1.928	1.856	.4560	2.034	.4399	4.320	38.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.81**	**58.60**	**25.24**	**51.24**	**.0263**	**.0030**	**-.0029**	**10.80**	**-.0010**
Stddev	.10	.61	.17	.37	.0002	.0001	.0007	.14	.0002
%RSD	.7969	1.039	.6685	.7301	.8769	3.979	23.04	1.269	19.19
#1	12.89	59.03	25.36	51.50	.0262	.0031	-.0024	10.70	-.0008
#2	12.74	58.17	25.12	50.97	.0265	.0029	-.0034	10.89	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0784**	**.0471**	**.0221**	**-.0007**	**9.540**	**-.0013**	**.0271**
Stddev	.0005	.0009	.0008	.0001	.098	.0006	.0002
%RSD	.6051	1.805	3.479	15.75	1.024	42.91	.8872
#1	.0788	.0465	.0215	-.0008	9.471	-.0018	.0273
#2	.0781	.0477	.0226	-.0007	9.609	-.0009	.0269

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**161090.**	**35500.**	**2072.9**	**5949.2**
Stddev	573.	267.	25.2	61.3
%RSD	.35580	.75315	1.2157	1.0310
#1	161500.	35311.	2090.7	5992.5
#2	160690.	35689.	2055.1	5905.8

Zoom In Zoom Out

Sample Name: mp79705-s2 Acquired: 5/28/2014 22:21:46 Type: Unk
Method: Accutest1(v77) 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	**2.621**	**.0489**	**.0493**	**.4394**	**.2074**	**.2218**	**5.385**	**.4727**	**.0400**
Stddev	.029	.0003	.0010	.0083	.0059	.0046	.102	.0085	.0005
%RSD	1.098	.6998	2.129	1.888	2.840	2.094	1.903	1.797	1.146
#1	2.641	.0491	.0485	.4335	.2032	.2185	5.312	.4667	.0396
#2	2.600	.0487	.0500	.4453	.2116	.2251	5.457	.4787	.0403

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4563**	**.5126**	**1.879**	**1.812**	**.4458**	**1.980**	**.4292**	**4.316**	**38.95**
Stddev	.0122	.0084	.038	.041	.0069	.043	.0082	.046	.42
%RSD	2.678	1.634	2.042	2.266	1.546	2.158	1.901	1.062	1.091
#1	.4477	.5066	1.852	1.783	.4409	1.950	.4234	4.348	39.25
#2	.4649	.5185	1.906	1.841	.4507	2.011	.4349	4.283	38.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.67**	**58.66**	**25.45**	**51.61**	**.0257**	**.0027**	**-.0037**	**10.49**	**-.0017**
Stddev	.11	.59	.29	.56	.0005	.0000	.0001	.20	.0006
%RSD	.8973	1.000	1.135	1.086	1.837	.9157	1.834	1.949	35.18
#1	12.75	59.08	25.65	52.00	.0254	.0027	-.0036	10.34	-.0013
#2	12.59	58.25	25.25	51.21	.0261	.0027	-.0037	10.63	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0790**	**.0472**	**.0220**	**-.0010**	**9.251**	**.0001**	**.0262**
Stddev	.0009	.0011	.0003	.0001	.217	.0002	.0005
%RSD	1.158	2.277	1.227	9.321	2.350	220.7	1.898
#1	.0796	.0465	.0222	-.0010	9.097	.0000	.0258
#2	.0784	.0480	.0218	-.0011	9.404	.0002	.0265

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**156950.**	**35537.**	**2102.9**	**6040.0**
Stddev	3575.	370.	41.7	101.3
%RSD	2.2778	1.0421	1.9829	1.6764
#1	159480.	35276.	2132.4	6111.6
#2	154430.	35799.	2073.4	5968.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 22:27:45 Type: QC
Method: Accutest1(v77) 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	**2.038**	**2.064**	**2.052**	**1.904**	**1.951**	**1.882**	**2.002**	**2.016**	**.2494**
Stddev	.003	.001	.005	.003	.004	.000	.002	.003	.0003
%RSD	.1314	.0603	.2282	.1720	.2208	.0019	.0894	.1663	.1194
#1	2.040	2.063	2.049	1.902	1.954	1.882	2.003	2.014	.2496
#2	2.036	2.065	2.056	1.907	1.948	1.882	2.000	2.018	.2491
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	**1.946**	**2.023**	**2.000**	**2.029**	**1.964**	**2.031**	**1.926**	**37.07**	**40.12**
Stddev	.002	.005	.008	.007	.004	.008	.001	.07	.15
%RSD	.1105	.2282	.3986	.3552	.1818	.3853	.0549	.1788	.3784
#1	1.948	2.019	1.995	2.024	1.961	2.025	1.926	37.12	40.02
#2	1.945	2.026	2.006	2.034	1.966	2.036	1.927	37.03	40.23
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	**39.75**	**39.33**	**39.31**	**38.60**	**1.986**	**2.037**	**1.890**	**4.932**	**2.056**
Stddev	.05	.07	.07	.12	.003	.008	.002	.005	.009
%RSD	.1136	.1890	.1756	.3117	.1725	.3796	.1119	.1055	.4447
#1	39.72	39.27	39.36	38.69	1.984	2.032	1.891	4.929	2.050
#2	39.78	39.38	39.26	38.52	1.989	2.043	1.888	4.936	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: ccv Acquired: 5/28/2014 22:27:45 Type: QC
Method: Accutest1(v77) 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	**1.995**	**1.935**	**2.079**	**1.884**	**1.929**	**2.032**	**1.898**
Stddev	.005	.001	.025	.000	.007	.007	.010
%RSD	.2689	.0328	1.196	.0152	.3632	.3569	.5297
#1	1.999	1.936	2.062	1.885	1.924	2.027	1.905
#2	1.991	1.935	2.097	1.884	1.934	2.037	1.890
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	**161110.**	**35729.**	**2099.3**	**5979.8**
Stddev	369.	46.	8.1	22.2
%RSD	.22917	.13004	.38448	.37112
#1	160850.	35762.	2105.0	5995.5
#2	161370.	35697.	2093.6	5964.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 22:33:36 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0011**	**.0003**	**-.0003**	**.0000**
Stddev	.0001	.0000	.0000	.000	.0002	.0000	.0000	.0003	.0001
%RSD	46.89	2.523	40.30	2514.	167.4	3.199	6.484	87.59	1994.
#1	.0002	.0001	.0001	-.0001	.0000	.0012	.0003	-.0005	.0001
#2	.0003	.0001	.0001	.0001	.0002	.0011	.0002	-.0001	.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**	**-.0012**	**.0008**	**.0009**	**-.0007**	**-.0027**	**-.0020**	**-.0213**	**-.0069**
Stddev	.0001	.0002	.0009	.0007	.0001	.0006	.0002	.0038	.0010
%RSD	43.67	15.60	111.7	78.71	9.873	20.24	9.056	18.00	14.48
#1	-.0002	-.0013	.0002	.0013	-.0007	-.0024	-.0019	-.0186	-.0076
#2	-.0003	-.0011	.0014	.0004	-.0008	-.0031	-.0021	-.0240	-.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	**-.0093**	**-.0303**	**.0180**	**.0117**	**.0021**	**.0014**	**.0000**	**.0031**	**.0006**
Stddev	.0014	.0025	.0099	.0006	.0001	.0000	.0001	.0003	.0003
%RSD	14.60	8.275	54.91	5.147	6.996	.4128	245.4	10.82	43.39
#1	-.0103	-.0286	.0110	.0112	.0020	.0014	.0001	.0033	.0008
#2	-.0084	-.0321	.0250	.0121	.0022	.0014	.0000	.0029	.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: 5/28/2014 22:33:36 Type: QC
Method: Accutest1(v77) 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**	**.0238**	**.0010**	**.0012**	**.0028**	**.0005**
Stddev	.0000	.0000	.0024	.0002	.0019	.0008	.0003
%RSD	2.248	63.03	10.12	16.37	162.1	27.57	64.12
#1	.0001	.0001	.0255	.0011	.0025	.0023	.0008
#2	.0001	.0000	.0221	.0009	-.0002	.0033	.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	**167830.**	**36416.**	**2214.0**	**6522.3**
Stddev	139.	63.	7.5	18.3
%RSD	.08277	.17420	.34060	.28040
#1	167730.	36461.	2208.7	6509.3
#2	167930.	36371.	2219.3	6535.2

Zoom In Zoom Out

Sample Name: jb67543-1 Acquired: 5/28/2014 22:39:42 Type: Unk
Method: Accutest1(v77) 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	**.7271**	**.0001**	**.0007**	**.0147**	**.0214**	**.0057**	**4.843**	**.0161**
Stddev	.0008	.0000	.0001	.0000	.0000	.0001	.038	.0003
%RSD	.1149	5.857	7.676	.2356	.1063	2.588	.7767	1.995
#1	.7276	.0001	.0007	.0147	.0213	.0056	4.816	.0159
#2	.7265	.0001	.0008	.0147	.0214	.0058	4.870	.0163

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0022**	**.0027**	**.0269**	**.0206**	F **-.0141**	**.0028**	**.0011**	**-.0016**
Stddev	.0004	.0000	.0000	.0001	.0004	.0000	.0012	.0001
%RSD	18.86	1.667	.1653	.7185	2.845	.7885	114.2	8.772
#1	.0019	.0027	.0269	.0207	-.0138	.0029	.0002	-.0017
#2	.0025	.0028	.0269	.0204	-.0144	.0028	.0020	-.0015

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.878**	**15.49**	**11.90**	**34.22**	**2.398**	**28.07**	**.0260**	**.0025**
Stddev	.000	.03	.01	.08	.010	.04	.0001	.0001
%RSD	.0069	.2185	.0653	.2412	.3998	.1474	.5443	3.400
#1	2.877	15.47	11.90	34.16	2.391	28.04	.0259	.0024
#2	2.878	15.52	11.91	34.28	2.404	28.10	.0261	.0026

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0008**	**10.92**	**-.0012**	**.0773**	**.0509**	**.0275**	**.0000**	**9.323**
Stddev	.0006	.07	.0007	.0002	.0022	.0006	.0001	.079
%RSD	78.44	.5947	60.38	.2343	4.405	2.058	143.0	.8461
#1	-.0003	10.88	-.0007	.0774	.0525	.0279	.0001	9.267
#2	-.0012	10.97	-.0017	.0772	.0493	.0271	.0000	9.379

Elem	Bi2230	Li6707
Avg	**.0021**	**.0263**
Stddev	.0004	.0001
%RSD	21.45	.4221
#1	.0024	.0264
#2	.0018	.0262

Zoom In Zoom Out

Sample Name: jb67543-1 Acquired: 5/28/2014 22:39:42 Type: Unk
Method: Accutest1(v77) 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	**164010.**	**35883.**	**2124.5**	**6171.1**
Stddev	143.	26.	8.1	22.1
%RSD	.08735	.07225	.38062	.35858
#1	164110.	35901.	2130.2	6186.8
#2	163900.	35864.	2118.8	6155.5

Zoom In Zoom Out

Sample Name: mp79705-sd1 Acquired: 5/28/2014 22:45:46 Type: Unk
Method: Accutest1(v77) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.7123**	**.0001**	**.0001**	**.0147**	**.0219**	**.0091**	**5.108**	**.0144**
Stddev	.0014	.0001	.0001	.0000	.0005	.0001	.005	.0005
%RSD	.1898	87.01	118.9	.1664	2.308	1.621	.1014	3.419
#1	.7113	.0001	.0002	.0147	.0215	.0092	5.105	.0140
#2	.7132	.0000	.0000	.0146	.0222	.0090	5.112	.0147

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0033**	**.0018**	**.0358**	**.0177**	F **-.0111**	**.0020**	**.0022**	**-.0074**
Stddev	.0004	.0002	.0002	.0022	.0006	.0019	.0104	.0025
%RSD	10.88	8.971	.5526	12.50	5.435	93.76	477.2	34.16
#1	.0036	.0017	.0360	.0192	-.0107	.0034	.0096	-.0056
#2	.0031	.0019	.0357	.0161	-.0116	.0007	-.0052	-.0092

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.736**	**15.49**	**11.85**	**33.51**	**2.344**	**27.29**	**.0271**	**.0043**
Stddev	.046	.08	.03	.07	.046	.03	.0005	.0000
%RSD	1.672	.4997	.2404	.2162	1.958	.0992	1.848	.5874
#1	2.703	15.43	11.83	33.45	2.312	27.27	.0275	.0043
#2	2.768	15.54	11.87	33.56	2.377	27.31	.0268	.0043

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0012**	**10.80**	**-.0008**	**.0762**	**.0503**	**.0537**	**.0010**	**9.154**
Stddev	.0025	.09	.0016	.0001	.0018	.0019	.0003	.023
%RSD	206.1	.7927	198.4	.1545	3.672	3.607	25.75	.2521
#1	-.0029	10.74	.0003	.0761	.0490	.0523	.0012	9.137
#2	.0005	10.86	-.0019	.0763	.0517	.0551	.0008	9.170

Elem	Bi2230	Li6707
Avg	**.0112**	**.0233**
Stddev	.0013	.0018
%RSD	11.48	7.846
#1	.0103	.0220
#2	.0121	.0246

Zoom In Zoom Out

Sample Name: mp79705-sd1 Acquired: 5/28/2014 22:45:46 Type: Unk
Method: Accutest1(v77) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168830.**	**36819.**	**2199.8**	**6467.7**
Stddev	13.	45.	13.4	35.0
%RSD	.00759	.12269	.61077	.54043
#1	168840.	36851.	2209.3	6492.4
#2	168820.	36787.	2190.3	6443.0

Zoom In Zoom Out

Sample Name: jb67543-2 Acquired: 5/28/2014 22:51:44 Type: Unk
Method: Accutest1(v77) 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	**.1542**	**.0000**	**.0002**	**.0167**	**.0004**	**.0017**	**1.269**	**.0030**
Stddev	.0052	.0000	.0001	.0000	.0000	.0004	.055	.0000
%RSD	3.392	265.6	56.89	.0828	10.61	21.71	4.345	.3714
#1	.1579	.0000	.0003	.0167	.0004	.0019	1.308	.0031
#2	.1505	.0000	.0001	.0168	.0005	.0014	1.230	.0030

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0009**	**.0001**	**.0024**	**.0042**	F **-.0091**	**-.0007**	**-.0057**	**-.0020**
Stddev	.0002	.0000	.0004	.0005	.0001	.0009	.0014	.0000
%RSD	19.69	.4493	16.19	11.27	1.492	139.9	25.25	2.206
#1	.0010	.0001	.0021	.0038	-.0090	.0000	-.0068	-.0020
#2	.0007	.0001	.0027	.0045	-.0092	-.0013	-.0047	-.0019

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0100**	**9.801**	**4.153**	**32.73**	**1.132**	**20.68**	**.0158**	**.0013**
Stddev	.0027	.267	.118	.93	.030	.67	.0001	.0003
%RSD	27.32	2.722	2.846	2.836	2.687	3.249	.4581	21.28
#1	.0119	9.990	4.237	33.39	1.153	21.15	.0159	.0015
#2	.0081	9.612	4.069	32.08	1.110	20.20	.0158	.0011

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0002**	**5.391**	**-.0001**	**.0617**	**.0004**	**.1008**	**.0000**	**14.67**
Stddev	.0004	.028	.0003	.0020	.0001	.0070	.000	.03
%RSD	214.6	.5231	327.7	3.165	20.37	6.932	129.1	.1703
#1	-.0005	5.411	-.0004	.0631	.0005	.1057	.0000	14.68
#2	.0001	5.371	.0001	.0604	.0003	.0959	.0000	14.65

Elem	Bi2230	Li6707
Avg	**.0021**	**.0039**
Stddev	.0007	.0002
%RSD	34.04	4.805
#1	.0026	.0041
#2	.0016	.0038

Zoom In Zoom Out

Sample Name: jb67543-2 Acquired: 5/28/2014 22:51:44 Type: Unk
Method: Accutest1(v77) 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	**168600.**	**36486.**	**2132.2**	**6240.2**
Stddev	6566.	920.	7.5	20.6
%RSD	3.8942	2.5220	.35247	.33022
#1	163960.	35835.	2126.9	6225.6
#2	173250.	37136.	2137.6	6254.7

Zoom In Zoom Out

Sample Name: jb67543-3 Acquired: 5/28/2014 22:57:41 Type: Unk
Method: Accutest1(v77) 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	**.1167**	**.0002**	**.0011**	**.0044**	**.0054**	**.0139**	**.9507**	**.0276**
Stddev	.0052	.0000	.0000	.0001	.0001	.0001	.0020	.0000
%RSD	4.421	1.478	.1626	1.256	.9798	.9546	.2071	.0489
#1	.1130	.0002	.0011	.0043	.0054	.0140	.9521	.0276
#2	.1203	.0002	.0011	.0044	.0054	.0138	.9493	.0276

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**.0001**	**.0798**	**.0011**	F **-.0059**	**.0003**	**.0027**	**-.0022**
Stddev	.0001	.0001	.0004	.0002	.0008	.0011	.0007	.0008
%RSD	27.47	75.20	.4655	21.43	13.26	329.7	25.29	34.74
#1	.0003	.0001	.0801	.0013	-.0053	-.0004	.0022	-.0027
#2	.0004	.0002	.0796	.0009	-.0064	.0011	.0031	-.0016

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.4137**	**90.36**	**.3172**	**168.6**	**2.757**	**106.1**	**.0242**	**.0002**
Stddev	.0143	4.05	.0156	7.7	.105	4.1	.0003	.0001
%RSD	3.452	4.479	4.930	4.545	3.799	3.820	1.208	27.68
#1	.4036	87.49	.3061	163.2	2.683	103.2	.0245	.0002
#2	.4238	93.22	.3283	174.0	2.831	108.9	.0240	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0014**	**5.320**	**-.0014**	**.3232**	**.0045**	**.0037**	**-.0015**	**32.64**
Stddev	.0003	.026	.0004	.0139	.0001	.0008	.0001	.26
%RSD	20.69	.4854	26.50	4.296	2.182	21.50	3.451	.8069
#1	.0012	5.338	-.0017	.3134	.0044	.0043	-.0016	32.83
#2	.0016	5.301	-.0011	.3330	.0046	.0031	-.0015	32.46

Elem	Bi2230	Li6707
Avg	**.0016**	**.0060**
Stddev	.0001	.0002
%RSD	8.015	3.996
#1	.0015	.0059
#2	.0017	.0062

Zoom In Zoom Out

Sample Name: jb67543-3 Acquired: 5/28/2014 22:57:41 Type: Unk
Method: Accutest1(v77) 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	**155170.**	**36047.**	**1979.9**	**5634.2**
Stddev	174.	1381.	8.7	29.9
%RSD	.11196	3.8306	.43711	.53113
#1	155290.	37023.	1973.7	5613.1
#2	155050.	35070.	1986.0	5655.4

Zoom In Zoom Out

Sample Name: jb67543-4 Acquired: 5/28/2014 23:03:46 Type: Unk
Method: Accutest1(v77) 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	**.1848**	**-.0003**	**.0020**	**.0096**	**.0003**	**.0091**	F **12.72**	**.0240**
Stddev	.0000	.0000	.0001	.0002	.0001	.0000	.09	.0001
%RSD	.0167	6.335	4.371	1.888	17.14	.2225	.7094	.3733
#1	.1848	-.0002	.0019	.0097	.0003	.0091	12.65	.0241
#2	.1849	-.0003	.0021	.0095	.0004	.0091	12.78	.0240

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0007**	**-.0018**	**.0190**	**.0015**	F **-.0066**	**.0009**	**.0072**	**-.0041**
Stddev	.0001	.0003	.0001	.0004	.0007	.0010	.0018	.0011
%RSD	17.32	17.28	.2691	24.50	9.983	114.3	25.22	26.56
#1	.0006	-.0016	.0190	.0017	-.0071	.0002	.0059	-.0033
#2	.0008	-.0020	.0189	.0012	-.0062	.0016	.0085	-.0049

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3761**	**196.3**	**2.941**	**305.6**	**4.593**	**241.1**	**.1146**	**-.0011**
Stddev	.0004	1.1	.010	1.0	.046	.7	.0000	.0001
%RSD	.1165	.5706	.3289	.3348	1.001	.2982	.0009	7.301
#1	.3758	195.5	2.948	306.3	4.560	241.6	.1146	-.0010
#2	.3764	197.1	2.934	304.9	4.625	240.6	.1146	-.0011

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**7.647**	**-.0022**	**.5539**	**.0018**	**.0056**	**-.0030**	**58.83**
Stddev	.0002	.009	.0002	.0008	.0001	.0007	.0000	.08
%RSD	23.84	.1184	7.858	.1369	5.919	12.91	.7630	.1439
#1	.0006	7.640	-.0021	.5544	.0019	.0061	-.0030	58.77
#2	.0009	7.653	-.0024	.5533	.0017	.0051	-.0029	58.89

Elem	Bi2230	Li6707
Avg	**.0018**	**.0296**
Stddev	.0012	.0003
%RSD	66.54	1.086
#1	.0027	.0294
#2	.0010	.0299

Zoom In Zoom Out

Sample Name: jb67543-4 Acquired: 5/28/2014 23:03:46 Type: Unk
Method: Accutest1(v77) 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	**148290.**	**34363.**	**1872.3**	**5233.1**
Stddev	608.	34.	1.3	6.5
%RSD	.41017	.09797	.06720	.12432
#1	148720.	34339.	1871.4	5228.5
#2	147860.	34387.	1873.2	5237.7

Zoom In Zoom Out

Sample Name: jb67543-5 Acquired: 5/28/2014 23:10:02 Type: Unk
Method: Accutest1(v77) 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	**.2541**	**.0000**	**.0006**	**.0006**	**.0025**	**.0108**	**1.239**	**.0045**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.001	.0002
%RSD	.0227	21.40	17.29	12.85	6.635	.5240	.0735	4.338
#1	.2541	.0000	.0007	.0005	.0026	.0109	1.239	.0043
#2	.2540	.0000	.0005	.0006	.0023	.0108	1.238	.0046

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0006**	**.0011**	**.0535**	**.0009**	F **-.0080**	**.0026**	**.0007**	**-.0016**
Stddev	.0003	.0001	.0000	.0003	.0002	.0000	.0010	.0010
%RSD	45.95	4.628	.0879	33.13	1.899	1.779	154.0	61.93
#1	.0008	.0012	.0534	.0007	-.0079	.0026	.0014	-.0023
#2	.0004	.0011	.0535	.0011	-.0081	.0027	-.0001	-.0009

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.8398**	**41.03**	**1.498**	**97.53**	**2.614**	**77.97**	**.0258**	**.0000**
Stddev	.0061	.09	.005	.10	.005	.07	.0001	.0001
%RSD	.7256	.2147	.3208	.1007	.1879	.0930	.5046	644.1
#1	.8354	41.09	1.502	97.60	2.618	77.92	.0257	.0001
#2	.8441	40.97	1.495	97.46	2.611	78.02	.0259	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0001**	**6.264**	**-.0004**	**.2338**	**.0219**	**.0028**	**-.0002**	**8.590**
Stddev	.0002	.018	.0004	.0001	.0001	.0006	.0001	.018
%RSD	186.8	.2803	96.02	.0578	.2386	20.60	30.44	.2074
#1	.0000	6.252	-.0007	.2339	.0219	.0032	-.0003	8.577
#2	-.0003	6.277	-.0001	.2337	.0218	.0024	-.0002	8.603

Elem	Bi2230	Li6707
Avg	**.0025**	**.0294**
Stddev	.0004	.0000
%RSD	14.04	.0717
#1	.0023	.0294
#2	.0028	.0294

Zoom In Zoom Out

Sample Name: jb67543-5 Acquired: 5/28/2014 23:10:02 Type: Unk
Method: Accutest1(v77) 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	**158370.**	**35354.**	**2033.4**	**5856.2**
Stddev	150.	30.	9.0	22.9
%RSD	.09495	.08601	.44273	.39051
#1	158260.	35375.	2039.7	5872.4
#2	158480.	35332.	2027.0	5840.0

Zoom In Zoom Out

Sample Name: jb67543-1f Acquired: 5/28/2014 23:16:00 Type: Unk
Method: Accutest1(v77) 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	**.7705**	**-.0001**	**.0004**	**.0060**	**.0003**	**.0022**	**5.171**	**.0007**
Stddev	.0020	.0000	.0002	.0000	.0002	.0001	.049	.0001
%RSD	.2630	.3811	62.74	.1816	83.61	6.565	.9396	22.68
#1	.7719	-.0001	.0005	.0060	.0001	.0023	5.136	.0006
#2	.7690	-.0001	.0002	.0060	.0004	.0021	5.205	.0008

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0014**	**-.0003**	**-.0018**	**.0133**	F **-.0111**	**-.0002**	**-.0039**	**-.0017**
Stddev	.0001	.0000	.0003	.0001	.0007	.0005	.0001	.0002
%RSD	5.826	.5722	15.42	.5017	6.008	199.7	2.482	13.30
#1	.0013	-.0003	-.0020	.0132	-.0107	.0001	-.0040	-.0015
#2	.0014	-.0003	-.0016	.0133	-.0116	-.0006	-.0039	-.0019

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0160**	**16.57**	**7.107**	**36.46**	**1.940**	**30.19**	**.0272**	**.0009**
Stddev	.0007	.01	.011	.12	.014	.05	.0005	.0000
%RSD	4.267	.0380	.1522	.3261	.7012	.1685	1.755	2.300
#1	.0164	16.57	7.114	36.38	1.949	30.23	.0276	.0009
#2	.0155	16.58	7.099	36.55	1.930	30.15	.0269	.0009

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0007**	**8.215**	**-.0009**	**.0828**	**.0001**	**.0744**	**-.0005**	**8.999**
Stddev	.0006	.071	.0001	.0004	.0000	.0044	.0000	.077
%RSD	80.63	.8681	9.776	.4354	29.80	5.917	2.637	.8586
#1	-.0011	8.265	-.0009	.0831	.0002	.0775	-.0005	9.053
#2	-.0003	8.164	-.0008	.0826	.0001	.0713	-.0005	8.944

Elem	Bi2230	Li6707
Avg	**.0014**	**.0234**
Stddev	.0002	.0003
%RSD	13.68	1.425
#1	.0015	.0231
#2	.0013	.0236

Zoom In Zoom Out

Sample Name: jb67543-1f Acquired: 5/28/2014 23:16:00 Type: Unk
Method: Accutest1(v77) 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	**163770.**	**35981.**	**2112.1**	**6181.0**
Stddev	265.	144.	13.1	43.1
%RSD	.16158	.40051	.62218	.69761
#1	163960.	35879.	2102.8	6150.5
#2	163590.	36083.	2121.4	6211.5

Zoom In Zoom Out

Sample Name: jb67543-2f Acquired: 5/28/2014 23:22:05 Type: Unk
Method: Accutest1(v77) 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	**.1538**	**.0000**	**.0005**	**.0122**	**.0020**	**.0048**	**1.307**	**.0038**
Stddev	.0085	.0000	.0001	.0003	.0000	.0002	.003	.0002
%RSD	5.511	52.44	13.06	2.254	.7856	3.541	.2515	5.187
#1	.1478	.0000	.0004	.0123	.0020	.0047	1.305	.0040
#2	.1598	.0000	.0005	.0120	.0020	.0050	1.309	.0037

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0012**	**.0001**	**.0252**	**.0029**	F **-.0076**	**-.0003**	**.0031**	**-.0018**
Stddev	.0002	.0000	.0001	.0012	.0001	.0006	.0003	.0005
%RSD	13.97	50.17	.5213	40.56	1.269	201.8	10.85	28.27
#1	.0011	.0001	.0251	.0037	-.0075	-.0007	.0033	-.0021
#2	.0013	.0000	.0253	.0020	-.0076	.0001	.0028	-.0014

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1479**	**9.457**	**4.114**	**31.60**	**1.102**	**20.04**	**.0162**	**.0002**
Stddev	.0088	.469	.216	1.53	.047	1.12	.0003	.0001
%RSD	5.973	4.963	5.248	4.835	4.297	5.609	1.846	38.08
#1	.1417	9.125	3.961	30.52	1.068	19.24	.0164	.0001
#2	.1542	9.789	4.266	32.68	1.135	20.83	.0159	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0002**	**5.568**	**-.0006**	**.0596**	**.0026**	**.0015**	**-.0001**	**14.83**
Stddev	.0005	.006	.0002	.0032	.0002	.0002	.0000	.05
%RSD	302.6	.1105	27.46	5.415	8.515	10.99	31.45	.3133
#1	.0002	5.572	-.0007	.0573	.0028	.0017	-.0001	14.86
#2	-.0006	5.563	-.0005	.0619	.0025	.0014	-.0001	14.80

Elem	Bi2230	Li6707
Avg	**.0011**	**.0040**
Stddev	.0001	.0001
%RSD	7.029	1.589
#1	.0011	.0039
#2	.0012	.0040

Zoom In Zoom Out

Sample Name: jb67543-2f Acquired: 5/28/2014 23:22:05 Type: Unk
Method: Accutest1(v77) 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	**165390.**	**37349.**	**2127.7**	**6253.4**
Stddev	74.	1509.	1.8	5.2
%RSD	.04475	4.0395	.08547	.08272
#1	165340.	38415.	2126.4	6249.8
#2	165450.	36282.	2129.0	6257.1

Zoom In Zoom Out

Sample Name: jb67543-3f Acquired: 5/28/2014 23:28:03 Type: Unk
Method: Accutest1(v77) 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	**.1106**	**.0002**	**.0011**	**.0008**	**.0012**	**.0103**	**.8207**	**.0252**
Stddev	.0009	.0000	.0001	.0000	.0001	.0000	.0025	.0003
%RSD	.7961	9.045	12.82	.5349	9.432	.3061	.3015	1.240
#1	.1100	.0002	.0010	.0008	.0013	.0103	.8189	.0250
#2	.1112	.0002	.0013	.0008	.0011	.0103	.8224	.0254

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0002**	**.0002**	**.0594**	**.0029**	F **-.0067**	**-.0011**	**-.0052**	**-.0030**
Stddev	.0003	.0001	.0006	.0005	.0004	.0007	.0002	.0001
%RSD	197.9	48.28	1.024	16.61	6.731	58.72	3.515	4.271
#1	.0001	.0003	.0589	.0033	-.0063	-.0007	-.0054	-.0029
#2	-.0004	.0001	.0598	.0026	-.0070	-.0016	-.0051	-.0031

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2162**	**91.51**	**.0151**	**170.6**	**2.762**	**106.0**	**.0240**	**.0008**
Stddev	.0046	.86	.0007	1.6	.009	1.6	.0001	.0000
%RSD	2.122	.9363	4.317	.9123	.3398	1.482	.2936	2.833
#1	.2130	90.91	.0146	169.5	2.755	104.9	.0240	.0008
#2	.2195	92.12	.0155	171.7	2.768	107.1	.0241	.0008

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0008**	**5.048**	**-.0010**	**.3263**	**.0005**	**.0814**	**-.0009**	**32.54**
Stddev	.0001	.036	.0000	.0020	.0000	.0032	.0000	.15
%RSD	10.33	.7132	4.521	.6119	4.440	3.923	2.359	.4500
#1	.0008	5.022	-.0009	.3249	.0005	.0836	-.0009	32.43
#2	.0007	5.073	-.0010	.3277	.0005	.0791	-.0009	32.64

Elem	Bi2230	Li6707
Avg	**.0009**	**.0049**
Stddev	.0001	.0002
%RSD	8.975	4.548
#1	.0008	.0047
#2	.0009	.0050

Zoom In Zoom Out

Sample Name: jb67543-3f Acquired: 5/28/2014 23:28:03 Type: Unk
Method: Accutest1(v77) 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	**157010.**	**35673.**	**1984.9**	**5635.0**
Stddev	95.	210.	12.2	37.4
%RSD	.06063	.58917	.61632	.66295
#1	157080.	35822.	1993.5	5661.4
#2	156940.	35525.	1976.2	5608.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/28/2014 23:34:10 Type: QC
Method: Accutest1(v77) 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**	**2.068**	**2.025**	**1.867**	**1.921**	**1.873**	**1.972**	**1.976**	**.2464**
Stddev	.007	.006	.038	.032	.090	.087	.091	.034	.0104
%RSD	.3530	.2898	1.876	1.736	4.707	4.662	4.622	1.731	4.233
#1	2.045	2.064	2.051	1.890	1.985	1.935	2.037	2.000	.2538
#2	2.056	2.072	1.998	1.844	1.857	1.811	1.908	1.951	.2391
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**	**1.988**	**1.961**	**2.001**	**1.932**	**2.004**	**1.902**	**37.25**	**40.01**
Stddev	.088	.039	.033	.032	.032	.038	.035	.12	.01
%RSD	4.597	1.936	1.704	1.615	1.678	1.880	1.820	.3178	.0148
#1	1.979	2.016	1.984	2.024	1.955	2.031	1.927	37.16	40.00
#2	1.854	1.961	1.937	1.978	1.909	1.978	1.878	37.33	40.01
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	**39.75**	**39.37**	**39.52**	**38.88**	**1.959**	**2.002**	**1.887**	**4.855**	**2.025**
Stddev	.06	.03	.22	.20	.039	.038	.085	.091	.037
%RSD	.1554	.0801	.5579	.5062	1.965	1.902	4.493	1.867	1.836
#1	39.71	39.35	39.36	38.74	1.986	2.029	1.947	4.919	2.052
#2	39.80	39.39	39.67	39.02	1.931	1.975	1.827	4.791	1.999
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: 5/28/2014 23:34:10 Type: QC
Method: Accutest1(v77) 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	**2.005**	**1.913**	**1.913**	**1.862**	**1.897**	**2.008**	**1.921**
Stddev	.007	.090	.016	.088	.035	.040	.014
%RSD	.3679	4.702	.8242	4.739	1.822	2.005	.7221
#1	2.000	1.977	1.924	1.925	1.922	2.036	1.911
#2	2.010	1.850	1.902	1.800	1.873	1.979	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	**162990.**	**35618.**	**2131.8**	**6088.8**
Stddev	6197.	100.	38.4	98.2
%RSD	3.8022	.27956	1.8018	1.6133
#1	158610.	35548.	2104.7	6019.3
#2	167380.	35689.	2159.0	6158.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/28/2014 23:40:01 Type: QC
Method: Accutest1(v77) 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**	**.0002**	**.0002**	**.0000**	**.0001**	**.0012**	**.0003**	**-.0004**	**.0002**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.0000	.0004	.0001
%RSD	.1495	3.667	7.835	678.8	254.9	.8128	1.333	94.09	31.68
#1	.0005	.0003	.0001	-.0001	.0002	.0012	.0003	-.0001	.0002
#2	.0005	.0002	.0002	.0001	-.0001	.0012	.0003	-.0007	.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**	**-.0009**	**-.0004**	**.0004**	**-.0010**	**-.0009**	**-.0016**	**-.0192**	**-.0037**
Stddev	.0001	.0001	.0005	.0007	.0005	.0003	.0002	.0060	.0005
%RSD	93.53	7.280	128.9	180.5	51.64	33.95	9.677	31.24	13.99
#1	-.0001	-.0009	-.0007	.0009	-.0007	-.0007	-.0017	-.0150	-.0033
#2	.0000	-.0008	.0000	-.0001	-.0014	-.0011	-.0015	-.0234	-.0041
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**	**-.0179**	**.0062**	**.0190**	**.0018**	**.0012**	**-.0001**	**.0043**	**.0006**
Stddev	.0005	.0013	.0069	.0004	.0002	.0002	.0001	.0006	.0007
%RSD	6.931	6.996	110.9	2.123	9.084	17.63	122.5	14.03	131.1
#1	-.0069	-.0188	.0013	.0187	.0017	.0014	.0000	.0039	.0011
#2	-.0076	-.0170	.0111	.0193	.0019	.0011	-.0002	.0047	.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: 5/28/2014 23:40:01 Type: QC
Method: Accutest1(v77) 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**	**.0160**	**.0008**	**.0017**	**.0021**	**.0005**
Stddev	.0000	.0003	.0010	.0001	.0003	.0004	.0003
%RSD	11.01	58.65	6.311	14.42	16.07	18.96	64.48
#1	.0002	.0006	.0167	.0009	.0019	.0024	.0007
#2	.0002	.0003	.0153	.0007	.0015	.0018	.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	**168470.**	**36403.**	**2206.3**	**6536.1**
Stddev	382.	92.	5.9	2.8
%RSD	.22658	.25206	.26763	.04287
#1	168740.	36338.	2202.1	6534.1
#2	168200.	36468.	2210.5	6538.1

Zoom In Zoom Out

Sample Name: cri Acquired: 5/28/2014 23:46:07 Type: QC
Method: Accutest1(v77) 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	**.2056**	**.0022**	**.0034**	**.0492**	**.0104**	**.0104**	**.0160**	**.0100**
Stddev	.0065	.0001	.0000	.0001	.0000	.0001	.0000	.0001
%RSD	3.142	3.826	.7695	.1354	.4630	1.201	.3062	.7624
#1	.2010	.0021	.0035	.0492	.0104	.0103	.0159	.0101
#2	.2102	.0022	.0034	.0491	.0105	.0105	.0160	.0100
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	**.0052**	**.0520**	**.0217**	**.0087**	**.0109**	W **.0022**	**.0112**	W **.0047**
Stddev	.0001	.0003	.0000	.0004	.0004	.0004	.0024	.0000
%RSD	2.378	.5110	.1743	4.431	3.889	19.02	21.07	.1651
#1	.0051	.0518	.0218	.0090	.0106	.0019	.0095	.0047
#2	.0053	.0522	.0217	.0085	.0112	.0025	.0128	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
Value						.0030		.0060
Range						-20.00%		-20.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1732**	**4.998**	**.0927**	**4.998**	**4.987**	**4.838**	**.1056**	**.0219**
Stddev	.0063	.173	.0047	.172	.141	.157	.0002	.0002
%RSD	3.610	3.471	5.083	3.450	2.825	3.254	.1797	.7421
#1	.1687	4.875	.0894	4.876	4.888	4.727	.1058	.0218
#2	.1776	5.120	.0961	5.120	5.087	4.949	.1055	.0221
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: 5/28/2014 23:46:07 Type: QC
Method: Accutest1(v77) 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	**.0525**	**.2073**	**.0112**	**.0103**	**.0103**	**.0560**	**.0114**	**.0480**
Stddev	.0011	.0002	.0003	.0003	.0001	.0005	.0001	.0026
%RSD	2.173	.0904	2.268	3.376	1.210	.8690	.5971	5.413
#1	.0517	.2074	.0114	.0101	.0102	.0563	.0113	.0461
#2	.0533	.2071	.0110	.0106	.0104	.0556	.0114	.0498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0237**	**.0202**
Stddev	.0004	.0005
%RSD	1.623	2.452
#1	.0234	.0198
#2	.0240	.0205
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	**167430.**	**36886.**	**2175.1**	**6408.7**
Stddev	487.	958.	.3	3.2
%RSD	.29100	2.5977	.01571	.05015
#1	167770.	37563.	2174.9	6411.0
#2	167090.	36208.	2175.3	6406.5

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 23:52:06 Type: QC
Method: Accutest1(v77) 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**	**.0011**	**.0010**	**.0029**	**.0020**	W **.0025**	**.0031**	**.0037**
Stddev	.0004	.0001	.0002	.0001	.0002	.0007	.0002	.0001
%RSD	8.511	5.828	17.42	3.086	10.92	29.82	6.456	2.744
#1	.0040	.0010	.0009	.0029	.0021	.0030	.0032	.0036
#2	.0045	.0011	.0011	.0028	.0018	.0019	.0030	.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value						.0020		
Range						20.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0013**	W **.0016**	W **.0125**	**.0035**	**.0023**	**.0022**	**.0044**	F **.0017**
Stddev	.0000	.0002	.0001	.0001	.0002	.0003	.0015	.0001
%RSD	1.825	10.91	.9062	1.767	9.795	15.41	34.21	7.133
#1	.0013	.0017	.0124	.0035	.0025	.0024	.0055	.0018
#2	.0013	.0015	.0126	.0036	.0022	.0020	.0033	.0016
Check ?	Chk Fail	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value	.0010	.0020	.0100					.0030
Range	30.00%	-20.00%	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	W **.0781**	**1.039**	**-.0112**	W **.0788**	**2.058**	**1.017**	**.0102**	**.0004**
Stddev	.0021	.074	.0011	.0062	.138	.071	.0001	.0000
%RSD	2.631	7.117	10.06	7.889	6.690	6.979	1.062	12.68
#1	.0766	.9869	-.0120	.0744	1.961	.9668	.0103	.0003
#2	.0795	1.092	-.0104	.0832	2.156	1.067	.0102	.0004
Check ?	Chk Warn	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000			.1000				
Range	-20.00%			-20.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 5/28/2014 23:52:06 Type: QC
Method: Accutest1(v77) 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	**.0000**	**-.0039**	**.0001**	**-.0001**	**.0002**	F **.0053**	F **.0003**	F **.0024**
Stddev	.0004	.0001	.0005	.0000	.0000	.0001	.0000	.0018
%RSD	788.1	2.214	907.7	2.271	15.06	1.674	1.975	74.21
#1	-.0002	-.0039	.0004	-.0001	.0001	.0053	.0003	.0037
#2	.0003	-.0040	-.0003	-.0001	.0002	.0054	.0003	.0012
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 **.0027**	F **.0001**
Stddev	.0001	.0003
%RSD	1.926	424.1
#1	.0026	-.0001
#2	.0027	.0003
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	**173510.**	**36165.**	**2210.4**	**6536.2**
Stddev	9107.	2023.	28.2	73.2
%RSD	5.2488	5.5939	1.2750	1.1196
#1	167070.	37595.	2230.4	6588.0
#2	179950.	34734.	2190.5	6484.5

Zoom In Zoom Out

Sample Name: cria Acquired: 5/28/2014 23:58:11 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0001**	**.0013**	**.0001**	**-.0005**	**.0005**
Stddev	.0000	.0000	.0001	.0002	.0000	.0000	.0000	.0000	.0003
%RSD	27.73	98.18	276.6	228.4	30.61	3.458	46.95	1.600	55.17
#1	.0002	.0000	.0000	.0000	.0001	.0013	.0001	-.0005	.0003
#2	.0001	.0000	.0001	.0002	.0001	.0012	.0000	-.0005	.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	**-.0004**	**.0009**	**.0193**	**.0001**	**.0195**	**.0226**	**.0176**	**.4319**	**-.0046**
Stddev	.0001	.0000	.0000	.0006	.0010	.0003	.0000	.0014	.0002
%RSD	23.96	.8650	.0394	459.2	4.910	1.126	.2067	.3311	5.080
#1	-.0003	.0009	.0193	.0005	.0202	.0225	.0177	.4309	-.0044
#2	-.0004	.0009	.0193	-.0003	.0188	.0228	.0176	.4329	-.0047
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	**.5038**	**-.0235**	**-.0329**	**.0080**	**.0006**	**.0002**	**.0002**	**-.0049**	**.0000**
Stddev	.0043	.0070	.0104	.0042	.0001	.0001	.0007	.0005	.0002
%RSD	.8470	29.74	31.68	52.26	11.26	65.54	396.6	9.403	1350.
#1	.5068	-.0284	-.0403	.0109	.0006	.0001	.0007	-.0052	-.0001
#2	.5008	-.0185	-.0255	.0050	.0006	.0003	-.0003	-.0045	.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/28/2014 23:58:11 Type: QC
Method: Accutest1(v77) 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**	**.0038**	**.0003**	**.0012**	**.0023**	**.0003**
Stddev	.000	.000	.0009	.0002	.0016	.0002	.0010
%RSD	284.7	230.1	23.26	74.00	134.9	7.437	343.2
#1	.0000	.0000	.0044	.0001	.0001	.0024	-.0004
#2	.0000	-.0001	.0031	.0004	.0022	.0022	.0010
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	**168910.**	**36813.**	**2227.6**	**6595.5**
Stddev	1046.	188.	6.9	25.1
%RSD	.61945	.51143	.31193	.38116
#1	169650.	36680.	2232.5	6613.3
#2	168170.	36947.	2222.7	6577.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 0:04:16 Type: QC
Method: Accutest1(v77) 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**	**2.034**	**2.038**	**1.889**	**1.936**	**1.887**	**1.990**	**1.998**	**.2476**
Stddev	.010	.012	.009	.010	.009	.008	.007	.011	.0013
%RSD	.4798	.5855	.4625	.5087	.4773	.4023	.3628	.5254	.5317
#1	2.015	2.042	2.045	1.896	1.929	1.881	1.985	2.005	.2467
#2	2.001	2.025	2.031	1.883	1.942	1.892	1.995	1.990	.2485
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	**1.930**	**2.007**	**1.982**	**2.018**	**1.953**	**2.015**	**1.923**	**36.74**	**39.35**
Stddev	.007	.012	.009	.007	.009	.012	.013	.19	.19
%RSD	.3585	.5801	.4487	.3333	.4730	.5711	.6607	.5178	.4767
#1	1.925	2.015	1.988	2.022	1.959	2.023	1.932	36.88	39.48
#2	1.935	1.999	1.975	2.013	1.946	2.007	1.914	36.61	39.22
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	**39.13**	**38.72**	**38.85**	**38.26**	**1.972**	**2.021**	**1.897**	**4.882**	**2.043**
Stddev	.18	.26	.13	.14	.011	.007	.009	.024	.008
%RSD	.4577	.6798	.3431	.3549	.5534	.3643	.4870	.4889	.3771
#1	39.25	38.90	38.94	38.36	1.980	2.026	1.890	4.899	2.048
#2	39.00	38.53	38.75	38.17	1.965	2.016	1.903	4.865	2.037
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: 5/29/2014 0:04:16 Type: QC
Method: Accutest1(v77) 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	**1.974**	**1.928**	**2.021**	**1.881**	**1.909**	**2.021**	**1.885**
Stddev	.009	.005	.012	.007	.004	.009	.006
%RSD	.4645	.2489	.5815	.3757	.2076	.4349	.3360
#1	1.980	1.924	2.013	1.876	1.912	2.027	1.890
#2	1.967	1.931	2.029	1.886	1.906	2.014	1.881
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	**162100.**	**36296.**	**2120.6**	**6044.8**
Stddev	370.	198.	11.1	31.9
%RSD	.22812	.54429	.52496	.52849
#1	162360.	36157.	2112.7	6022.2
#2	161840.	36436.	2128.5	6067.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 0:10:06 Type: QC
Method: Accutest1(v77) 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	**.0005**	**.0003**	**.0001**	**.0003**	**.0004**	**.0013**	**.0004**	**-.0001**
Stddev	.0000	.0001	.0001	.0000	.0001	.0001	.0001	.0000
%RSD	.0436	29.78	52.03	15.02	37.30	4.849	14.78	2.168
#1	.0005	.0003	.0002	.0002	.0005	.0013	.0005	-.0001
#2	.0005	.0004	.0001	.0003	.0003	.0014	.0004	-.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**	**.0001**	**-.0010**	**.0008**	**.0005**	**.0002**	**-.0010**	**-.0018**
Stddev	.0005	.0003	.0002	.0005	.0004	.0002	.0005	.0002
%RSD	271.5	271.5	16.02	63.51	80.76	147.9	53.60	14.00
#1	-.0002	.0003	-.0011	.0011	.0008	.0003	-.0013	-.0016
#2	.0005	-.0001	-.0009	.0004	.0002	.0000	-.0006	-.0019
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	**-.0190**	**.0012**	**-.0039**	**-.0153**	**-.0035**	**.0180**	**.0019**	**.0014**
Stddev	.0020	.0030	.0016	.0005	.0058	.0002	.0004	.0006
%RSD	10.29	252.4	40.91	3.046	167.3	1.371	22.31	40.01
#1	-.0176	-.0009	-.0050	-.0157	-.0075	.0178	.0016	.0018
#2	-.0204	.0033	-.0027	-.0150	.0006	.0181	.0022	.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: 5/29/2014 0:10:06 Type: QC
Method: Accutest1(v77) 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**	**.0005**	**.0007**	**.0003**	**.0003**	**.0245**	W **.0013**	**.0004**
Stddev	.0002	.0007	.0003	.0001	.0001	.0022	.0001	.0019
%RSD	70.19	142.2	37.59	32.23	24.24	9.134	8.188	458.5
#1	.0005	.0009	.0005	.0002	.0003	.0261	.0014	.0018
#2	.0002	.0000	.0008	.0004	.0004	.0229	.0012	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0011	
Low Limit							-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0024**	**.0008**
Stddev	.0007	.0007
%RSD	30.40	92.05
#1	.0019	.0013
#2	.0029	.0003
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	**168100.**	**36116.**	**2205.0**	**6504.2**
Stddev	126.	46.	3.2	8.5
%RSD	.07495	.12767	.14354	.13082
#1	168190.	36149.	2207.3	6510.2
#2	168010.	36084.	2202.8	6498.2

Zoom In Zoom Out

Sample Name: jb67543-4f Acquired: 5/29/2014 0:16:13 Type: Unk
Method: Accutest1(v77) 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	**.1225**	**.0003**	**.0025**	**.0095**	**.0005**	**.0084**	F **12.87**	**.0240**
Stddev	.0001	.0000	.0001	.0001	.0001	.0003	.11	.0003
%RSD	.0570	2.843	2.163	.8067	15.53	3.342	.8557	1.298
#1	.1225	.0003	.0025	.0096	.0005	.0086	12.95	.0237
#2	.1224	.0003	.0025	.0095	.0004	.0082	12.79	.0242

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0008**	**-.0014**	**.0130**	**.0030**	F **-.0075**	**.0008**	**-.0006**	**-.0040**
Stddev	.0000	.0002	.0003	.0000	.0005	.0006	.0021	.0001
%RSD	1.345	10.61	2.538	1.169	7.162	75.70	327.2	2.134
#1	.0009	-.0016	.0128	.0030	-.0071	.0004	.0008	-.0040
#2	.0008	-.0013	.0132	.0029	-.0078	.0012	-.0021	-.0039

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2819**	**196.8**	**.4569**	**302.9**	**4.633**	**236.1**	**.1130**	**.0006**
Stddev	.0049	.6	.0017	.3	.028	.2	.0010	.0001
%RSD	1.750	.3006	.3620	.0939	.5964	.0868	.8458	10.93
#1	.2854	196.3	.4581	302.7	4.653	235.9	.1123	.0005
#2	.2784	197.2	.4557	303.1	4.614	236.2	.1137	.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0011**	**7.603**	**-.0016**	**.5588**	**.0004**	**.0915**	**-.0014**	**57.45**
Stddev	.0001	.079	.0001	.0001	.0003	.0041	.0000	.61
%RSD	11.01	1.044	8.650	.0142	71.79	4.490	3.237	1.066
#1	.0010	7.547	-.0015	.5587	.0002	.0944	-.0015	57.02
#2	.0012	7.659	-.0017	.5588	.0007	.0886	-.0014	57.88

Elem	Bi2230	Li6707
Avg	**.0020**	**.0294**
Stddev	.0000	.0001
%RSD	.8434	.3825
#1	.0020	.0293
#2	.0020	.0295

Zoom In Zoom Out

Sample Name: jb67543-4f Acquired: 5/29/2014 0:16:13 Type: Unk
Method: Accutest1(v77) 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	**148730.**	**34384.**	**1897.1**	**5291.5**
Stddev	338.	78.	19.6	49.8
%RSD	.22695	.22703	1.0322	.94081
#1	148490.	34329.	1910.9	5326.7
#2	148970.	34439.	1883.2	5256.3

Zoom In Zoom Out

Sample Name: jb67543-5f Acquired: 5/29/2014 0:22:31 Type: Unk
Method: Accutest1(v77) 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	**.2146**	**.0000**	**.0004**	**-.0003**	**-.0001**	**.0029**	**.1031**	**.0003**
Stddev	.0005	.000	.0002	.0003	.0003	.0001	.0002	.0003
%RSD	.2502	13.97	38.98	91.11	409.8	2.095	.1518	79.92
#1	.2150	.0000	.0003	-.0005	.0001	.0029	.1032	.0001
#2	.2142	.0000	.0006	-.0001	-.0003	.0030	.1030	.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**.0000**	**.0071**	**.0025**	F **-.0078**	**-.0008**	**-.0049**	**-.0026**
Stddev	.0000	.000	.0003	.0001	.0001	.0011	.0005	.0007
%RSD	8.749	950.3	3.929	4.810	1.520	127.8	9.453	25.34
#1	.0005	-.0001	.0069	.0024	-.0077	-.0001	-.0046	-.0022
#2	.0004	.0001	.0073	.0025	-.0079	-.0016	-.0052	-.0031

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0802**	**42.87**	**.0035**	**108.6**	**2.321**	**85.33**	**.0274**	**.0008**
Stddev	.0065	.04	.0001	.1	.012	1.05	.0004	.0000
%RSD	8.142	.1019	3.139	.0803	.5046	1.227	1.541	.1633
#1	.0848	42.84	.0034	108.5	2.329	84.59	.0277	.0008
#2	.0755	42.90	.0035	108.6	2.313	86.07	.0271	.0008

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0002**	**5.800**	**-.0009**	**.2538**	**.0003**	**.0658**	**.0005**	**9.419**
Stddev	.0003	.004	.0004	.0006	.0001	.0035	.0000	.014
%RSD	134.8	.0636	42.83	.2332	27.40	5.350	3.039	.1449
#1	.0005	5.797	-.0006	.2542	.0003	.0683	.0005	9.410
#2	.0000	5.802	-.0011	.2533	.0004	.0633	.0005	9.429

Elem	Bi2230	Li6707
Avg	**.0004**	**.0307**
Stddev	.0011	.0001
%RSD	262.4	.3405
#1	-.0004	.0308
#2	.0012	.0306

Zoom In Zoom Out

Sample Name: jb67543-5f Acquired: 5/29/2014 0:22:31 Type: Unk
Method: Accutest1(v77) 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	**157730.**	**35425.**	**2013.9**	**5798.2**
Stddev	302.	5.	.0	4.6
%RSD	.19161	.01316	.00211	.07912
#1	157520.	35428.	2013.9	5794.9
#2	157950.	35422.	2013.9	5801.4

Zoom In Zoom Out

Sample Name: jb67722-1 Acquired: 5/29/2014 0:28:37 Type: Unk
Method: Accutest1(v77) 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	**.0251**	**.0049**	**.0119**	**.0791**	**.0178**	F **-.0536**	**6.244**	**.1353**
Stddev	.0002	.0001	.0001	.0008	.0002	.0002	.112	.0005
%RSD	.6315	1.475	.5803	.9804	1.020	.3344	1.785	.3724
#1	.0249	.0048	.0120	.0785	.0177	-.0534	6.165	.1349
#2	.0252	.0049	.0119	.0796	.0179	-.0537	6.322	.1356

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	F **-.2021**	**.0220**	**.9904**	**.0391**	F **-.0950**	**.0391**	F **-.1166**	**.0045**
Stddev	.0008	.0002	.0031	.0004	.0005	.0012	.0003	.0004
%RSD	.4060	1.077	.3117	1.149	.5127	3.193	.2625	8.542
#1	-.2015	.0218	.9882	.0388	-.0946	.0382	-.1164	.0048
#2	-.2027	.0221	.9925	.0394	-.0953	.0400	-.1169	.0043

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**34.77**	**233.3**	F **502.5**	**135.5**	**61.45**	*****	**.0494**	**-.0055**
Stddev	.40	2.0	7.4	2.5	.61	-----	.0001	.0001
%RSD	1.136	.8652	1.468	1.811	.9957	-----	.2796	1.924
#1	34.49	231.9	497.3	133.8	61.02	-----	.0493	-.0055
#2	35.05	234.8	507.7	137.3	61.88	-----	.0495	-.0056

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	F **-.0795**	**5.968**	**.0073**	**.9409**	**.0167**	**.0129**	**.0214**	F **920.2**
Stddev	.0003	.016	.0005	.0096	.0005	.0004	.0000	2.1
%RSD	.3337	.2718	7.178	1.016	2.744	3.103	.0481	.2276
#1	-.0797	5.956	.0069	.9341	.0164	.0126	.0214	918.7
#2	-.0793	5.979	.0077	.9477	.0170	.0132	.0214	921.6

Elem	Bi2230	Li6707
Avg	**.0252**	**.0106**
Stddev	.0009	.0006
%RSD	3.504	5.217
#1	.0258	.0102
#2	.0246	.0110

Zoom In Zoom Out

Sample Name: jb67722-1 Acquired: 5/29/2014 0:28:37 Type: Unk
Method: Accutest1(v77) 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	**178630.**	**41766.**	**2224.3**	**4803.6**
Stddev	608.	718.	1.8	12.0
%RSD	.34043	1.7182	.08314	.24879
#1	179060.	42274.	2225.6	4812.0
#2	178200.	41259.	2223.0	4795.1

Zoom In Zoom Out

Sample Name: jb67722-2 Acquired: 5/29/2014 0:34:53 Type: Unk
Method: Accutest1(v77) 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	**.0385**	**.0000**	**.0003**	**-.0001**	**.0038**	**.0026**	**.0231**	**.0017**
Stddev	.0001	.0000	.0001	.0002	.0000	.0000	.0002	.0002
%RSD	.1643	27.40	37.35	215.6	.0320	1.487	.8686	9.727
#1	.0384	.0000	.0002	-.0002	.0038	.0026	.0229	.0016
#2	.0385	.0000	.0003	.0000	.0038	.0026	.0232	.0019

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**.0014**	**.0038**	**.0023**	F **-.0049**	**-.0001**	**.0005**	**-.0018**
Stddev	.0003	.0000	.0002	.0000	.0004	.0002	.0017	.0005
%RSD	64.83	3.574	5.336	1.810	8.782	241.2	373.8	24.84
#1	.0006	.0013	.0036	.0023	-.0052	-.0002	-.0008	-.0015
#2	.0002	.0014	.0039	.0023	-.0046	.0001	.0017	-.0021

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2114**	**28.45**	**.4305**	**4.084**	**5.890**	**33.61**	**.0332**	**.0009**
Stddev	.0059	.07	.0003	.007	.011	.06	.0002	.0001
%RSD	2.810	.2520	.0696	.1685	.1837	.1885	.6485	5.847
#1	.2156	28.40	.4307	4.079	5.883	33.66	.0334	.0009
#2	.2072	28.50	.4303	4.089	5.898	33.57	.0331	.0010

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0001**	**3.783**	**-.0003**	**.3009**	**.0027**	**.0023**	**-.0005**	**8.962**
Stddev	.0001	.003	.0000	.0003	.0001	.0012	.0000	.067
%RSD	92.12	.0794	10.05	.0936	2.688	50.82	8.171	.7503
#1	.0000	3.781	-.0003	.3011	.0027	.0032	-.0005	8.915
#2	-.0001	3.785	-.0003	.3007	.0028	.0015	-.0005	9.010

Elem	Bi2230	Li6707
Avg	**.0006**	**.0062**
Stddev	.0005	.0003
%RSD	74.96	4.098
#1	.0009	.0064
#2	.0003	.0061

Zoom In Zoom Out

Sample Name: jb67722-2 Acquired: 5/29/2014 0:34:53 Type: Unk
Method: Accutest1(v77) 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	**164400.**	**36101.**	**2123.2**	**6226.2**
Stddev	322.	20.	1.3	4.6
%RSD	.19591	.05631	.06142	.07397
#1	164630.	36116.	2122.2	6229.4
#2	164170.	36087.	2124.1	6222.9

Zoom In Zoom Out

Sample Name: jb67722-3 Acquired: 5/29/2014 0:40:53 Type: Unk
Method: Accutest1(v77) 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	**.0853**	**.0012**	**.0016**	**.0040**	**.0649**	**.0310**	**.2664**	**.0130**
Stddev	.0001	.0000	.0000	.0003	.0003	.0000	.0016	.0002
%RSD	.1311	.3055	2.790	6.272	.4608	.0618	.5996	1.490
#1	.0852	.0012	.0016	.0042	.0651	.0310	.2675	.0131
#2	.0853	.0012	.0016	.0039	.0647	.0309	.2653	.0128

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0128**	**.0700**	**.1168**	**.0583**	F **-.0693**	**.0235**	**.0092**	**-.0007**
Stddev	.0001	.0002	.0005	.0003	.0006	.0008	.0003	.0012
%RSD	.5649	.2697	.4262	.5129	.8004	3.585	3.116	171.1
#1	.0129	.0701	.1172	.0581	-.0689	.0229	.0094	.0001
#2	.0128	.0699	.1165	.0586	-.0697	.0241	.0090	-.0015

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**15.04**	**36.94**	**72.86**	**11.46**	**22.57**	**97.76**	**.1109**	**.0062**
Stddev	.03	.08	.11	.03	.02	.28	.0004	.0001
%RSD	.1947	.2169	.1558	.2797	.1074	.2833	.3641	1.618
#1	15.02	36.88	72.78	11.44	22.55	97.56	.1106	.0062
#2	15.06	37.00	72.94	11.49	22.59	97.96	.1112	.0063

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0007**	F **51.97**	**-.0051**	**.2458**	**.2395**	**.0096**	**.0001**	**32.73**
Stddev	.0001	.12	.0005	.0008	.0013	.0002	.0001	.00
%RSD	14.35	.2327	8.912	.3403	.5442	2.197	49.83	.0100
#1	-.0007	52.06	-.0054	.2452	.2404	.0094	.0001	32.73
#2	-.0006	51.88	-.0048	.2464	.2386	.0097	.0002	32.74

Elem	Bi2230	Li6707
Avg	**-.0007**	**.0326**
Stddev	.0000	.0004
%RSD	6.024	1.317
#1	-.0007	.0329
#2	-.0006	.0323

Zoom In Zoom Out

Sample Name: jb67722-3 Acquired: 5/29/2014 0:40:53 Type: Unk
Method: Accutest1(v77) 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	**161900.**	**35739.**	**2099.5**	**6011.2**
Stddev	24.	23.	2.8	14.7
%RSD	.01469	.06309	.13335	.24486
#1	161920.	35755.	2097.5	6000.8
#2	161880.	35723.	2101.4	6021.6

Zoom In Zoom Out

Sample Name: jb67722-4 Acquired: 5/29/2014 0:46:56 Type: Unk
Method: Accutest1(v77) 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	**.0886**	**.0049**	**.0012**	**.0185**	**.0664**	**.0116**	**.1840**	**.0339**
Stddev	.0006	.0000	.0002	.0001	.0001	.0001	.0005	.0003
%RSD	.7151	.3092	16.03	.6376	.2031	.7305	.2517	.8710
#1	.0881	.0049	.0013	.0184	.0665	.0116	.1843	.0336
#2	.0890	.0049	.0010	.0186	.0663	.0115	.1837	.0341

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0081**	**.0934**	**.2317**	**.0556**	F **-.0566**	**.0274**	**.0079**	**-.0018**
Stddev	.0001	.0006	.0017	.0017	.0003	.0006	.0002	.0003
%RSD	1.068	.6029	.7210	3.133	.4960	2.338	2.639	14.85
#1	.0080	.0938	.2305	.0543	-.0568	.0269	.0077	-.0016
#2	.0081	.0930	.2328	.0568	-.0564	.0278	.0080	-.0020

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**32.30**	**26.60**	**44.89**	**12.10**	**10.41**	**153.8**	**.0697**	**.0038**
Stddev	.23	.11	.25	.07	.06	2.0	.0004	.0001
%RSD	.7180	.4187	.5545	.5387	.5894	1.280	.6149	1.936
#1	32.14	26.52	44.71	12.05	10.36	152.4	.0694	.0038
#2	32.47	26.68	45.07	12.14	10.45	155.1	.0700	.0039

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**43.47**	**-.0041**	**.1322**	**.2701**	**.0078**	**-.0046**	F **178.5**
Stddev	.0005	.14	.0004	.0008	.0010	.0005	.0001	1.0
%RSD	461.3	.3205	9.404	.6175	.3768	6.530	1.814	.5858
#1	.0004	43.37	-.0038	.1316	.2708	.0074	-.0045	177.8
#2	-.0002	43.57	-.0044	.1328	.2694	.0081	-.0046	179.3

Elem	Bi2230	Li6707
Avg	**-.0023**	**.0271**
Stddev	.0007	.0008
%RSD	29.33	3.118
#1	-.0019	.0265
#2	-.0028	.0277

Zoom In Zoom Out

Sample Name: jb67722-4 Acquired: 5/29/2014 0:46:56 Type: Unk
Method: Accutest1(v77) 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	**170860.**	**37599.**	**2242.3**	**5874.2**
Stddev	663.	188.	8.0	27.0
%RSD	.38830	.49985	.35807	.45976
#1	170390.	37732.	2248.0	5893.3
#2	171330.	37467.	2236.7	5855.1

Zoom In Zoom Out

Sample Name: jb67722-5 Acquired: 5/29/2014 0:52:57 Type: Unk
Method: Accutest1(v77) 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	**.1107**	**.0035**	**.0035**	**.0246**	**.0773**	**.0126**	**.8599**	**.0843**
Stddev	.0003	.0000	.0002	.0003	.0005	.0004	.0052	.0005
%RSD	.2572	.2925	5.508	1.358	.6958	2.857	.6064	.6129
#1	.1105	.0034	.0036	.0243	.0769	.0129	.8562	.0847
#2	.1109	.0035	.0034	.0248	.0777	.0124	.8636	.0840

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0321**	**.0953**	**.3787**	**.0769**	F **-.0772**	**.0284**	**.0309**	**-.0018**
Stddev	.0006	.0004	.0005	.0006	.0013	.0008	.0007	.0001
%RSD	1.829	.4449	.1393	.7810	1.664	2.922	2.163	4.123
#1	.0325	.0950	.3791	.0774	-.0762	.0278	.0314	-.0019
#2	.0317	.0956	.3783	.0765	-.0781	.0290	.0304	-.0017

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**18.65**	**92.63**	**223.8**	**42.98**	**15.04**	**269.7**	**.0887**	**.0032**
Stddev	.06	.08	.0	.06	.12	.7	.0005	.0001
%RSD	.3089	.0829	.0078	.1488	.7969	.2588	.5156	3.320
#1	18.61	92.69	223.9	43.03	14.95	269.2	.0890	.0031
#2	18.70	92.58	223.8	42.94	15.12	270.2	.0884	.0032

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0039**	F **54.22**	**-.0058**	**.3907**	**.2527**	**.0167**	**.0014**	F **317.3**
Stddev	.0003	.05	.0002	.0012	.0002	.0009	.0001	.5
%RSD	6.875	.0982	3.181	.2950	.0628	5.346	10.32	.1535
#1	-.0037	54.26	-.0057	.3898	.2528	.0161	.0015	317.6
#2	-.0040	54.18	-.0060	.3915	.2526	.0174	.0013	316.9

Elem	Bi2230	Li6707
Avg	**.0036**	**.0912**
Stddev	.0016	.0011
%RSD	44.80	1.169
#1	.0024	.0905
#2	.0047	.0920

Zoom In Zoom Out

Sample Name: jb67722-5 Acquired: 5/29/2014 0:52:57 Type: Unk
Method: Accutest1(v77) 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	**158930.**	**35597.**	**2021.2**	**5642.8**
Stddev	638.	108.	.4	7.1
%RSD	.40124	.30407	.01779	.12612
#1	159380.	35674.	2020.9	5647.8
#2	158480.	35521.	2021.5	5637.7

Zoom In Zoom Out

Sample Name: jb67722-1f Acquired: 5/29/2014 0:59:02 Type: Unk
Method: Accutest1(v77) 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	**.0220**	**.0050**	**.0117**	**.0838**	**.0153**	F **-.0604**	**6.837**	**.1415**
Stddev	.0000	.0000	.0006	.0003	.0004	.0017	.025	.0001
%RSD	.1915	.3850	5.427	.3385	2.367	2.774	.3735	.1003
#1	.0220	.0050	.0121	.0836	.0155	-.0615	6.855	.1416
#2	.0220	.0051	.0113	.0840	.0150	-.0592	6.819	.1414

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	F **-.2219**	**.0168**	**1.023**	**.0400**	F **-.1015**	**.0429**	F **-.1221**	**.0037**
Stddev	.0066	.0008	.001	.0001	.0009	.0002	.0040	.0013
%RSD	2.986	4.899	.0892	.1808	.8758	.4296	3.297	34.87
#1	-.2265	.0174	1.023	.0399	-.1008	.0427	-.1193	.0028
#2	-.2172	.0162	1.024	.0400	-.1021	.0430	-.1250	.0046

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**35.67**	**258.1**	F **527.4**	**146.5**	**72.73**	*****	**.0518**	**-.0060**
Stddev	.15	3.6	5.7	1.5	.20	-----	.0003	.0001
%RSD	.4307	1.385	1.076	1.015	.2769	-----	.6428	2.213
#1	35.56	255.6	523.3	145.4	72.59	-----	.0515	-.0061
#2	35.77	260.6	531.4	147.5	72.88	-----	.0520	-.0059

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	F **-.0872**	**3.966**	**.0095**	**1.040**	**.0005**	**.0138**	**.0044**	F **919.6**
Stddev	.0026	.008	.0003	.002	.0001	.0002	.0002	.0
%RSD	2.982	.2080	3.172	.2276	14.13	1.423	4.020	.0034
#1	-.0890	3.971	.0097	1.038	.0004	.0140	.0045	919.6
#2	-.0853	3.960	.0093	1.042	.0005	.0137	.0043	919.5

Elem	Bi2230	Li6707
Avg	**.0262**	**.0178**
Stddev	.0012	.0019
%RSD	4.467	10.48
#1	.0270	.0165
#2	.0253	.0191

Zoom In Zoom Out

Sample Name: jb67722-1f Acquired: 5/29/2014 0:59:02 Type: Unk
Method: Accutest1(v77) 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	**176830.**	**42231.**	**2273.7**	**4829.8**
Stddev	4058.	251.	3.1	5.8
%RSD	2.2951	.59545	.13804	.12088
#1	173960.	42409.	2271.5	4825.7
#2	179700.	42053.	2275.9	4834.0

Zoom In Zoom Out

Sample Name: jb67722-2f Acquired: 5/29/2014 1:05:16 Type: Unk
Method: Accutest1(v77) 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	**.0332**	**.0000**	**.0003**	**.0000**	**.0007**	**.0027**	**.0180**	**.0005**
Stddev	.0001	.0000	.0002	.000	.0001	.0001	.0000	.0001
%RSD	.3161	51.70	62.23	1170.	16.33	2.515	.1641	14.20
#1	.0331	.0000	.0004	.0001	.0006	.0027	.0179	.0006
#2	.0332	.0000	.0001	-.0001	.0008	.0027	.0180	.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**.0009**	**.0052**	**.0011**	F **-.0047**	**-.0001**	**.0008**	**-.0020**
Stddev	.0001	.0001	.0001	.0016	.0005	.0004	.0012	.0000
%RSD	27.20	8.485	1.999	154.2	11.37	302.5	145.2	1.059
#1	.0004	.0008	.0052	-.0001	-.0044	.0002	.0000	-.0019
#2	.0003	.0009	.0051	.0022	-.0051	-.0004	.0017	-.0020

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0596**	**27.06**	**.0369**	**3.923**	**5.865**	**38.69**	**.0318**	**.0009**
Stddev	.0011	.07	.0010	.013	.018	.11	.0001	.0001
%RSD	1.896	.2681	2.749	.3285	.3064	.2852	.3656	9.236
#1	.0588	27.12	.0361	3.932	5.878	38.61	.0319	.0009
#2	.0604	27.01	.0376	3.914	5.853	38.77	.0318	.0010

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**3.457**	**.0000**	**.2788**	**.0003**	**.0013**	**-.0007**	**10.69**
Stddev	.0001	.028	.0001	.0004	.0002	.0005	.0000	.07
%RSD	671.7	.8004	583.9	.1557	66.57	41.27	5.373	.6559
#1	-.0001	3.437	-.0001	.2785	.0004	.0017	-.0006	10.65
#2	.0001	3.476	.0001	.2791	.0002	.0009	-.0007	10.74

Elem	Bi2230	Li6707
Avg	**.0012**	**.0072**
Stddev	.0007	.0005
%RSD	60.85	7.151
#1	.0017	.0076
#2	.0007	.0068

Zoom In Zoom Out

Sample Name: jb67722-2f Acquired: 5/29/2014 1:05:16 Type: Unk
Method: Accutest1(v77) 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	**165660.**	**36300.**	**2125.2**	**6220.7**
Stddev	477.	6.	8.7	13.5
%RSD	.28779	.01701	.40914	.21623
#1	166000.	36296.	2131.4	6230.2
#2	165330.	36304.	2119.1	6211.1

Zoom In Zoom Out

Sample Name: jb67722-3f Acquired: 5/29/2014 1:11:15 Type: Unk
Method: Accutest1(v77) 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	**.0211**	**.0000**	**.0003**	**.0001**	**.0000**	**.0019**	**.2049**	**.0009**
Stddev	.0014	.0000	.0001	.0000	.0000	.0001	.0027	.0001
%RSD	6.464	24.42	15.55	32.69	148.9	4.942	1.295	10.39
#1	.0220	.0000	.0004	.0002	.0001	.0020	.2068	.0009
#2	.0201	.0000	.0003	.0001	.0000	.0018	.2030	.0008

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0024**	**-.0001**	**.0036**	**.0127**	F **-.0203**	**.0002**	**.0013**	**-.0018**
Stddev	.0003	.0000	.0001	.0011	.0000	.0003	.0001	.0005
%RSD	13.65	60.39	1.768	8.608	.0526	178.2	7.877	26.44
#1	.0026	-.0001	.0035	.0135	-.0203	.0004	.0013	-.0014
#2	.0022	.0000	.0036	.0119	-.0203	.0000	.0014	-.0021

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0758**	**35.83**	**11.51**	**6.961**	**13.78**	**104.8**	**.0420**	**.0040**
Stddev	.0020	2.16	.71	.420	.78	4.7	.0000	.0001
%RSD	2.576	6.026	6.157	6.028	5.652	4.497	.1081	2.215
#1	.0771	37.36	12.02	7.258	14.33	108.1	.0419	.0040
#2	.0744	34.30	11.01	6.664	13.23	101.4	.0420	.0041

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0006**	**14.44**	**-.0022**	**.2274**	**.0001**	**.0037**	**-.0017**	**33.68**
Stddev	.0008	.04	.0003	.0141	.0001	.0010	.0001	.04
%RSD	150.9	.2680	14.60	6.202	75.32	27.87	6.639	.1141
#1	.0012	14.41	-.0024	.2374	.0001	.0030	-.0016	33.65
#2	.0000	14.47	-.0019	.2174	.0000	.0044	-.0018	33.71

Elem	Bi2230	Li6707
Avg	**.0008**	**.0170**
Stddev	.0002	.0015
%RSD	28.08	8.583
#1	.0009	.0181
#2	.0006	.0160

Zoom In Zoom Out

Sample Name: jb67722-3f Acquired: 5/29/2014 1:11:15 Type: Unk
Method: Accutest1(v77) 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	**163500.**	**36108.**	**2114.5**	**6104.1**
Stddev	2070.	1869.	6.4	12.4
%RSD	1.2659	5.1765	.30209	.20238
#1	162030.	34786.	2119.0	6112.9
#2	164960.	37429.	2110.0	6095.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 1:17:21 Type: QC
Method: Accutest1(v77) 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**	**2.087**	**2.073**	**1.916**	**1.949**	**1.897**	**2.008**	**2.024**	**.2492**
Stddev	.043	.042	.008	.006	.001	.009	.004	.011	.0005
%RSD	2.120	2.031	.3914	.3240	.0565	.4496	.2099	.5352	.1990
#1	2.079	2.117	2.078	1.921	1.950	1.891	2.011	2.032	.2488
#2	2.017	2.057	2.067	1.912	1.948	1.903	2.005	2.017	.2495
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**	**2.037**	**2.015**	**2.043**	**1.979**	**2.048**	**1.957**	**37.89**	**40.41**
Stddev	.001	.013	.007	.010	.010	.009	.003	.79	.84
%RSD	.0623	.6545	.3660	.4928	.4854	.4346	.1608	2.091	2.091
#1	1.956	2.046	2.020	2.050	1.986	2.054	1.959	38.45	41.01
#2	1.954	2.027	2.010	2.036	1.972	2.042	1.955	37.33	39.81
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	**40.09**	**39.90**	**39.81**	**39.23**	**2.007**	**2.053**	**1.908**	**4.982**	**2.076**
Stddev	.83	.87	.80	.86	.006	.008	.008	.017	.010
%RSD	2.078	2.189	2.015	2.190	.3251	.3903	.4338	.3425	.5007
#1	40.67	40.52	40.37	39.83	2.012	2.058	1.902	4.994	2.083
#2	39.50	39.28	39.24	38.62	2.002	2.047	1.913	4.970	2.068
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: 5/29/2014 1:17:21 Type: QC
Method: Accutest1(v77) 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	**2.025**	**1.945**	**2.039**	**1.902**	**1.962**	**2.065**	**1.929**
Stddev	.041	.000	.015	.000	.007	.006	.047
%RSD	1.999	.0011	.7156	.0188	.3345	.3003	2.425
#1	2.054	1.945	2.028	1.902	1.967	2.069	1.962
#2	1.997	1.945	2.049	1.902	1.958	2.060	1.896
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	**162260.**	**35500.**	**2093.7**	**5985.6**
Stddev	363.	534.	3.6	9.2
%RSD	.22387	1.5032	.17348	.15350
#1	162520.	35122.	2091.1	5979.1
#2	162010.	35877.	2096.2	5992.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 1:23:11 Type: QC
Method: Accutest1(v77) 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**	**.0001**	**.0001**	**.0000**	**.0008**	**.0002**	**-.0004**
Stddev	.0000	.0000	.0001	.0001	.0000	.0001	.0001	.0002
%RSD	3.300	11.16	49.13	75.06	201.9	12.44	35.70	44.83
#1	.0001	.0001	.0001	.0002	.0000	.0007	.0002	-.0006
#2	.0001	.0001	.0001	.0001	.0001	.0008	.0001	-.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	**.0003**	**-.0002**	**-.0008**	**.0003**	**.0002**	**-.0008**	**-.0019**	**-.0016**
Stddev	.0001	.0003	.0002	.0004	.0002	.0004	.0018	.0009
%RSD	44.95	131.8	28.29	111.8	76.62	50.83	91.81	58.94
#1	.0002	.0000	-.0010	.0001	.0003	-.0005	-.0032	-.0009
#2	.0004	-.0004	-.0007	.0006	.0001	-.0011	-.0007	-.0022
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	**-.0172**	**-.0074**	**-.0077**	**-.0305**	**.0098**	**.0662**	**.0017**	**.0014**
Stddev	.0051	.0007	.0003	.0034	.0026	.0033	.0006	.0001
%RSD	29.36	9.610	4.142	11.00	26.53	5.056	35.92	6.287
#1	-.0137	-.0079	-.0074	-.0281	.0080	.0686	.0013	.0015
#2	-.0208	-.0069	-.0079	-.0329	.0117	.0638	.0022	.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: 5/29/2014 1:23:11 Type: QC
Method: Accutest1(v77) 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**	**.0048**	**.0004**	**.0001**	**.0003**	**.0204**	**.0010**	W **.0108**
Stddev	.0007	.0003	.0002	.0000	.0002	.0014	.0000	.0004
%RSD	308.9	6.516	52.74	42.98	78.27	6.829	4.332	3.975
#1	.0003	.0051	.0002	.0000	.0004	.0213	.0010	.0111
#2	-.0007	.0046	.0005	.0001	.0001	.0194	.0010	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0029**	**.0015**
Stddev	.0008	.0004
%RSD	28.50	25.25
#1	.0035	.0012
#2	.0023	.0018
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	**169820.**	**36611.**	**2207.4**	**6521.4**
Stddev	100.	58.	6.3	27.1
%RSD	.05886	.15864	.28686	.41576
#1	169890.	36652.	2211.9	6540.6
#2	169750.	36570.	2203.0	6502.3

Zoom In Zoom Out

Sample Name: jb67722-4f Acquired: 5/29/2014 1:29:16 Type: Unk
Method: Accutest1(v77) 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	**.0095**	**.0172**	**.0026**	**.0866**	**.0349**	**.0143**	**.6032**	**.1309**
Stddev	.0000	.0000	.0000	.0003	.0000	.0000	.0000	.0003
%RSD	.3768	.2000	.3297	.2902	.0697	.2317	.0053	.2502
#1	.0096	.0172	.0026	.0864	.0349	.0143	.6032	.1307
#2	.0095	.0171	.0026	.0867	.0349	.0143	.6032	.1312

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0002**	**.0044**	**.7326**	**.0347**	F **-.0220**	**.0115**	**.0067**	**-.0055**
Stddev	.0002	.0001	.0033	.0005	.0004	.0013	.0019	.0001
%RSD	128.5	2.536	.4490	1.409	1.699	10.97	27.97	1.057
#1	.0000	.0045	.7303	.0344	-.0223	.0106	.0080	-.0056
#2	-.0003	.0043	.7350	.0351	-.0218	.0124	.0054	-.0055

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**65.63**	**116.1**	**13.31**	**36.69**	**4.992**	**656.7**	**.0306**	**-.0002**
Stddev	.28	.2	.02	.05	.001	5.2	.0004	.0000
%RSD	.4201	.1850	.1713	.1460	.0121	.7994	1.414	8.024
#1	65.83	115.9	13.33	36.73	4.993	653.0	.0309	-.0002
#2	65.44	116.2	13.30	36.66	4.992	660.4	.0303	-.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0009**	**14.98**	**-.0024**	**.5557**	**-.0016**	**.0122**	F **-.0150**	F **620.8**
Stddev	.0001	.04	.0001	.0020	.0000	.0005	.0000	.2
%RSD	15.13	.2756	4.879	.3596	1.934	4.348	.2389	.0341
#1	.0010	14.96	-.0025	.5571	-.0016	.0119	-.0150	620.6
#2	.0008	15.01	-.0023	.5542	-.0016	.0126	-.0150	620.9

Elem	Bi2230	Li6707
Avg	**-.0044**	**.0221**
Stddev	.0011	.0001
%RSD	25.50	.4542
#1	-.0036	.0221
#2	-.0052	.0222

Zoom In Zoom Out

Sample Name: jb67722-4f Acquired: 5/29/2014 1:29:16 Type: Unk
Method: Accutest1(v77) 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	**200720.**	**45594.**	**2663.2**	**4993.5**
Stddev	124.	36.	.2	6.9
%RSD	.06153	.07911	.00677	.13916
#1	200630.	45568.	2663.3	4998.5
#2	200810.	45619.	2663.1	4988.6

Zoom In Zoom Out

Sample Name: jb67722-5f Acquired: 5/29/2014 1:35:31 Type: Unk
Method: Accutest1(v77) 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	**.0385**	**.0033**	**.0059**	**.0394**	**-.0001**	**.0012**	**1.670**	**.1389**
Stddev	.0011	.0001	.0002	.0001	.0001	.0014	.003	.0009
%RSD	2.745	3.569	2.614	.2403	50.36	113.2	.1991	.6470
#1	.0378	.0032	.0057	.0394	-.0002	.0002	1.672	.1395
#2	.0393	.0033	.0060	.0395	-.0001	.0022	1.668	.1382

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0395**	**.0007**	**.6395**	**.0801**	F **-.0783**	**.0107**	**.0405**	**-.0033**
Stddev	.0061	.0001	.0002	.0008	.0001	.0006	.0028	.0013
%RSD	15.56	10.12	.0327	1.004	.0792	5.770	6.927	38.03
#1	.0351	.0008	.6393	.0796	-.0783	.0111	.0385	-.0024
#2	.0438	.0007	.6396	.0807	-.0782	.0103	.0425	-.0042

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**3.554**	**182.3**	**376.4**	**81.18**	**18.35**	**534.3**	**.0916**	**-.0008**
Stddev	.082	4.7	10.6	2.38	.49	11.2	.0001	.0000
%RSD	2.319	2.583	2.819	2.927	2.685	2.089	.1407	.7838
#1	3.496	179.0	368.9	79.50	18.00	526.4	.0917	-.0008
#2	3.612	185.6	383.9	82.86	18.70	542.2	.0915	-.0008

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0086**	**45.38**	**-.0088**	**.7748**	**-.0015**	**.0308**	**-.0060**	F **594.1**
Stddev	.0006	.19	.0006	.0207	.0002	.0005	.0004	2.8
%RSD	7.477	.4207	6.820	2.677	14.16	1.676	6.655	.4661
#1	-.0091	45.25	-.0084	.7602	-.0017	.0312	-.0063	592.2
#2	-.0082	45.52	-.0092	.7895	-.0014	.0304	-.0058	596.1

Elem	Bi2230	Li6707
Avg	**.0095**	**.1512**
Stddev	.0001	.0048
%RSD	1.155	3.199
#1	.0096	.1478
#2	.0094	.1546

Zoom In Zoom Out

Sample Name: jb67722-5f Acquired: 5/29/2014 1:35:31 Type: Unk
Method: Accutest1(v77) 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	**151620.**	**35258.**	**1936.3**	**5422.0**
Stddev	559.	896.	10.8	13.3
%RSD	.36870	2.5420	.55663	.24461
#1	151220.	35892.	1943.9	5431.4
#2	152010.	34625.	1928.6	5412.7

Zoom In Zoom Out

Sample Name: mp79697-mb1 2 Acquired: 5/29/2014 1:41:46 Type: Unk
Method: Accutest1(v77) 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	**.0007**	**.0000**	**.0001**	**.0001**	**.0004**	**.0016**	**.0002**	**-.0003**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0001	.0005	.0000	.0001	.0002
%RSD	3.101	22.72	93.20	72.98	15.63	30.86	6.863	18.84	65.28
#1	.0007	.0000	.0001	.0001	.0003	.0012	.0002	-.0003	.0004
#2	.0007	.0000	.0000	.0002	.0004	.0019	.0002	-.0004	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0081**	**-.0005**	**.0008**	**-.0003**	**-.0004**	**-.0016**	**-.0179**	**.0274**
Stddev	.0000	.0006	.0006	.0006	.0002	.0013	.0003	.0032	.0036
%RSD	.7154	7.715	120.8	79.01	64.80	366.2	17.46	17.94	13.04
#1	-.0003	.0077	-.0001	.0012	-.0005	-.0013	-.0018	-.0157	.0300
#2	-.0003	.0086	-.0009	.0003	-.0002	.0006	-.0014	-.0202	.0249

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0381**	**-.0151**	**.0343**	**.2196**	**.0009**	**.0000**	**.0002**	**.0155**	**-.0001**
Stddev	.0054	.0057	.0235	.0140	.0001	.0001	.0002	.0000	.0002
%RSD	14.16	37.78	68.38	6.382	10.77	6228.	99.85	.0009	126.4
#1	.0419	-.0111	.0177	.2295	.0008	.0001	.0004	.0155	.0000
#2	.0343	-.0192	.0509	.2097	.0010	-.0001	.0001	.0155	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**.0027**	**.0002**	**.0665**	**.0022**	**.0017**
Stddev	.0001	.0002	.0000	.0001	.0031	.0007	.0009
%RSD	72.82	115.0	1.585	60.56	4.686	32.54	54.72
#1	.0001	.0003	.0027	.0001	.0687	.0026	.0023
#2	.0000	.0000	.0027	.0003	.0643	.0017	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**165700.**	**37688.**	**2218.5**	**6602.9**
Stddev	9609.	70.	.9	.2
%RSD	5.7987	.18496	.04119	.00285
#1	172500.	37737.	2219.1	6602.8
#2	158910.	37639.	2217.8	6603.1

Zoom In Zoom Out

Sample Name: mp79697-lc1 2 Acquired: 5/29/2014 1:47:49 Type: Unk
Method: Accutest1(v77) 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	**.4691**	**.4730**	**.4957**	**.4473**	**.4891**	**.4528**	**.5005**	**.4845**	**.1899**
Stddev	.0248	.0248	.0051	.0038	.0222	.0217	.0215	.0050	.0084
%RSD	5.296	5.253	1.027	.8517	4.541	4.795	4.302	1.028	4.401
#1	.4515	.4554	.4921	.4446	.4734	.4375	.4853	.4809	.1840
#2	.4867	.4906	.4993	.4500	.5049	.4682	.5157	.4880	.1958

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4711**	**.5230**	**.4832**	**.5006**	**.4771**	**.5180**	**.4643**	**4.275**	**5.056**
Stddev	.0195	.0050	.0040	.0066	.0062	.0039	.0041	.232	.270
%RSD	4.134	.9528	.8200	1.321	1.292	.7592	.8761	5.431	5.344
#1	.4573	.5195	.4804	.4959	.4727	.5152	.4614	4.111	4.865
#2	.4849	.5265	.4860	.5053	.4815	.5208	.4672	4.439	5.247

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.089**	**4.899**	**9.141**	**9.055**	**.0352**	**.4848**	**-.0028**	**.0632**	**.0007**
Stddev	.281	.282	.491	.467	.0006	.0045	.0001	.0005	.0006
%RSD	5.519	5.757	5.375	5.153	1.693	.9373	3.361	.7737	93.97
#1	4.890	4.700	8.793	8.725	.0348	.4816	-.0029	.0629	.0002
#2	5.287	5.099	9.488	9.385	.0356	.4880	-.0027	.0636	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4823**	**.0088**	**.0020**	**.0220**	**-.0005**	**.0024**
Stddev	.0001	.0213	.0005	.0000	.0032	.0004	.0003
%RSD	26.25	4.413	6.092	.4578	14.53	84.16	11.41
#1	-.0002	.4673	.0085	.0020	.0198	-.0002	.0026
#2	-.0002	.4974	.0092	.0020	.0243	-.0007	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164680.**	**38155.**	**2169.6**	**6394.6**
Stddev	6087.	1703.	18.6	54.4
%RSD	3.6963	4.4634	.85956	.85015
#1	168980.	39360.	2182.8	6433.0
#2	160380.	36951.	2156.4	6356.1

Zoom In Zoom Out

Sample Name: mp79697-s1 Acquired: 5/29/2014 1:53:41 Type: Unk
Method: Accutest1(v77) 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	**2.072**	**.0526**	**.0556**	**.4880**	**.1941**	**.2302**	**3.052**	**.5247**	**.0396**
Stddev	.008	.0003	.0004	.0022	.0001	.0010	.044	.0024	.0004
%RSD	.3772	.5212	.7747	.4429	.0739	.4496	1.449	.4561	.8859
#1	2.077	.0528	.0559	.4896	.1940	.2309	3.021	.5264	.0399
#2	2.066	.0525	.0553	.4865	.1942	.2295	3.083	.5230	.0394

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4704**	**.5532**	**2.140**	**2.116**	**.5150**	**2.308**	**.5135**	**2.071**	**98.18**
Stddev	.0001	.0027	.012	.000	.0020	.009	.0041	.013	.40
%RSD	.0293	.4955	.5803	.0080	.3876	.3790	.7907	.6389	.4053
#1	.4703	.5551	2.149	2.115	.5164	2.314	.5163	2.080	97.90
#2	.4705	.5513	2.131	2.116	.5136	2.302	.5106	2.061	98.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.452**	**37.55**	**26.62**	**45.69**	**.0670**	**.0022**	**-.0019**	**6.028**	**-.0012**
Stddev	.013	.22	.07	.12	.0009	.0000	.0003	.036	.0002
%RSD	.8582	.5772	.2584	.2608	1.390	1.091	13.50	.6061	13.71
#1	1.461	37.70	26.67	45.77	.0677	.0022	-.0017	6.054	-.0011
#2	1.444	37.39	26.57	45.60	.0663	.0022	-.0020	6.002	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3608**	**.0020**	**.0070**	**-.0013**	**2.890**	**-.0009**	**.0047**
Stddev	.0017	.0001	.0004	.0001	.015	.0008	.0004
%RSD	.4716	4.944	5.758	5.589	.5063	83.99	7.492
#1	.3620	.0020	.0073	-.0012	2.900	-.0014	.0049
#2	.3596	.0019	.0067	-.0013	2.880	-.0004	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163190.**	**35868.**	**2022.8**	**5809.2**
Stddev	29.	215.	12.9	32.4
%RSD	.01792	.59835	.63826	.55779
#1	163170.	35717.	2013.7	5786.3
#2	163210.	36020.	2032.0	5832.1

Zoom In Zoom Out

Sample Name: mp79697-s2 Acquired: 5/29/2014 1:59:43 Type: Unk
Method: Accutest1(v77) 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	**2.202**	**.0559**	**.0563**	**.4970**	**.2136**	**.2562**	**3.321**	**.5322**	**.0437**
Stddev	.009	.0003	.0005	.0043	.0112	.0145	.153	.0045	.0022
%RSD	.4333	.5313	.8985	.8731	5.253	5.661	4.613	.8463	4.966
#1	2.209	.0561	.0560	.4939	.2216	.2664	3.429	.5290	.0452
#2	2.195	.0557	.0567	.5000	.2057	.2459	3.213	.5354	.0421

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5187**	**.5606**	**2.176**	**2.143**	**.5241**	**2.343**	**.5216**	**2.184**	**103.7**
Stddev	.0273	.0056	.017	.005	.0031	.011	.0030	.002	2.5
%RSD	5.272	1.007	.7888	.2236	.5993	.4837	.5770	.1113	2.415
#1	.5380	.5566	2.164	2.140	.5218	2.335	.5195	2.186	105.5
#2	.4993	.5646	2.188	2.146	.5263	2.351	.5238	2.183	102.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.537**	**39.28**	**27.64**	**47.68**	**.0676**	**.0020**	**-.0027**	**6.046**	**-.0018**
Stddev	.004	.20	.03	.12	.0001	.0001	.0008	.035	.0007
%RSD	.2823	.5005	.1219	.2559	.1900	3.571	31.00	.5723	39.13
#1	1.540	39.42	27.66	47.77	.0677	.0020	-.0033	6.022	-.0023
#2	1.534	39.14	27.62	47.60	.0675	.0019	-.0021	6.071	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3784**	**.0018**	**.0065**	**-.0015**	**2.893**	**-.0001**	**.0048**
Stddev	.0012	.0004	.0002	.0001	.012	.0000	.0007
%RSD	.3235	21.69	2.753	6.024	.4076	38.19	14.06
#1	.3793	.0021	.0066	-.0015	2.885	.0000	.0053
#2	.3776	.0015	.0063	-.0016	2.901	-.0001	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**154870.**	**35039.**	**2053.4**	**5897.5**
Stddev	6804.	115.	10.2	39.1
%RSD	4.3937	.32785	.49429	.66322
#1	150060.	34957.	2060.5	5925.2
#2	159680.	35120.	2046.2	5869.8

Zoom In Zoom Out

Sample Name: jb67506-1 Acquired: 5/29/2014 2:05:47 Type: Unk
Method: Accutest1(v77) 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	**.0611**	**.0000**	**.0004**	**.0019**	**-.0001**	**.0021**	**2.678**	**.0027**
Stddev	.0002	.000	.0002	.0003	.0001	.0001	.009	.0001
%RSD	.2738	16.73	51.82	14.35	107.4	3.831	.3398	5.314
#1	.0610	.0000	.0003	.0021	-.0001	.0021	2.684	.0028
#2	.0613	.0000	.0006	.0017	.0000	.0022	2.671	.0026

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**-.0005**	**.0013**	**.0014**	F **-.0051**	**.0009**	**.0007**	**-.0019**
Stddev	.0002	.0001	.0001	.0003	.0003	.0000	.0010	.0001
%RSD	66.27	27.81	6.968	20.06	5.866	.4188	141.3	4.171
#1	.0005	-.0006	.0013	.0016	-.0048	.0009	.0000	-.0018
#2	.0002	-.0004	.0012	.0012	-.0053	.0010	.0014	-.0020

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1459**	**73.15**	**.4052**	**11.89**	**1.121**	**20.29**	**.0634**	**.0009**
Stddev	.0007	.14	.0024	.03	.016	.02	.0000	.0001
%RSD	.4979	.1947	.5848	.2244	1.461	.1119	.0325	7.174
#1	.1453	73.26	.4035	11.91	1.132	20.31	.0634	.0009
#2	.1464	73.05	.4069	11.87	1.109	20.27	.0634	.0010

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**5.718**	**-.0018**	**.3559**	**.0000**	**.0014**	**-.0007**	**2.752**
Stddev	.0007	.003	.0005	.0004	.000	.0001	.0001	.012
%RSD	949.9	.0493	30.03	.1206	6399.	9.592	15.13	.4420
#1	-.0004	5.720	-.0022	.3556	-.0001	.0013	-.0008	2.743
#2	.0005	5.716	-.0014	.3562	.0001	.0015	-.0006	2.760

Elem	Bi2230	Li6707
Avg	**.0018**	**.0044**
Stddev	.0002	.0005
%RSD	12.58	11.83
#1	.0016	.0047
#2	.0019	.0040

Zoom In Zoom Out

Sample Name: jb67506-1 Acquired: 5/29/2014 2:05:47 Type: Unk
Method: Accutest1(v77) 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	**164120.**	**36080.**	**2112.0**	**6161.7**
Stddev	6.	53.	1.0	2.7
%RSD	.00358	.14722	.04907	.04382
#1	164120.	36043.	2112.7	6163.6
#2	164130.	36118.	2111.2	6159.8

Zoom In Zoom Out

Sample Name: mp79697-sd1 Acquired: 5/29/2014 2:11:46 Type: Unk
Method: Accutest1(v77) 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	**.0599**	**-.0001**	**.0005**	**.0017**	**.0000**	**.0050**	**2.702**	**.0004**	**.0013**
Stddev	.0010	.0000	.0010	.0001	.0004	.0008	.042	.0008	.0003
%RSD	1.735	7.290	195.8	7.288	729.7	16.60	1.534	192.8	23.48
#1	.0607	-.0001	.0013	.0018	-.0002	.0044	2.673	-.0002	.0011
#2	.0592	-.0001	-.0002	.0016	.0003	.0055	2.731	.0010	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0012**	**.0130**	**.0008**	**-.0060**	**.0007**	**.0030**	**-.0094**	**.0943**	**71.42**
Stddev	.0002	.0001	.0012	.0010	.0003	.0000	.0032	.0003	2.43
%RSD	14.30	1.042	156.6	17.02	48.88	.7355	33.96	.2848	3.405
#1	-.0013	.0131	-.0001	-.0052	.0004	.0029	-.0072	.0945	73.13
#2	-.0011	.0129	.0016	-.0067	.0009	.0030	-.0117	.0941	69.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3555**	**11.50**	**1.102**	**19.36**	**.0607**	**.0023**	**-.0021**	**5.537**	**-.0012**
Stddev	.0159	.37	.031	.73	.0009	.0004	.0047	.030	.0023
%RSD	4.474	3.230	2.841	3.757	1.440	16.56	219.5	.5473	199.0
#1	.3668	11.76	1.080	19.87	.0601	.0020	.0012	5.559	.0005
#2	.3443	11.23	1.124	18.84	.0613	.0026	-.0055	5.516	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3423**	**.0009**	**.0113**	**-.0006**	**2.613**	**.0103**	**.0094**
Stddev	.0124	.0011	.0022	.0002	.013	.0010	.0016
%RSD	3.625	121.9	19.73	40.29	.4972	9.374	16.96
#1	.3511	.0001	.0097	-.0008	2.622	.0096	.0105
#2	.3335	.0017	.0129	-.0004	2.604	.0110	.0082

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170170.**	**37169.**	**2205.7**	**6513.1**
Stddev	2560.	1098.	3.0	14.1
%RSD	1.5043	2.9551	.13459	.21676
#1	171980.	36392.	2203.6	6503.1
#2	168360.	37945.	2207.8	6523.1

Zoom In Zoom Out

Sample Name: jb67503-1 Acquired: 5/29/2014 2:17:47 Type: Unk
Method: Accutest1(v77) 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	**.4123**	**-.0004**	**.0014**	**.0076**	**-.0007**	**.0042**	F **16.16**	**.0033**
Stddev	.0005	.0000	.0000	.0001	.0001	.0001	.17	.0001
%RSD	.1249	5.073	1.232	.7587	14.70	1.726	1.027	1.660
#1	.4119	-.0004	.0014	.0076	-.0006	.0042	16.28	.0033
#2	.4127	-.0004	.0014	.0076	-.0007	.0041	16.05	.0032

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0087**	**-.0032**	**-.0033**	**.0064**	F **-.0033**	**.0031**	**.0120**	**-.0017**
Stddev	.0001	.0001	.0003	.0001	.0006	.0002	.0015	.0002
%RSD	1.047	1.893	8.347	1.606	18.07	5.813	12.47	14.27
#1	.0086	-.0033	-.0035	.0064	-.0038	.0030	.0131	-.0015
#2	.0088	-.0032	-.0031	.0065	-.0029	.0032	.0110	-.0019

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2090**	**120.7**	**59.62**	**35.87**	**7.424**	**85.18**	**.6929**	**.0022**
Stddev	.0004	1.0	.09	.12	.064	.41	.0084	.0000
%RSD	.1693	.8580	.1568	.3429	.8602	.4792	1.213	1.972
#1	.2093	119.9	59.55	35.79	7.379	84.89	.6988	.0022
#2	.2088	121.4	59.68	35.96	7.469	85.47	.6870	.0023

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0031**	**3.838**	**-.0011**	**.7706**	**.0008**	**.0045**	**.0029**	**7.355**
Stddev	.0001	.043	.0001	.0025	.0002	.0001	.0001	.064
%RSD	2.710	1.113	12.27	.3222	22.63	2.533	2.767	.8657
#1	-.0030	3.868	-.0012	.7688	.0009	.0044	.0028	7.400
#2	-.0031	3.808	-.0010	.7723	.0006	.0046	.0029	7.310

Elem	Bi2230	Li6707
Avg	**.0047**	**.0048**
Stddev	.0001	.0001
%RSD	1.466	2.158
#1	.0048	.0047
#2	.0047	.0049

Zoom In Zoom Out

Sample Name: jb67503-1 Acquired: 5/29/2014 2:17:47 Type: Unk
Method: Accutest1(v77) 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	**160750.**	**35927.**	**2043.1**	**5876.2**
Stddev	1909.	42.	19.4	44.4
%RSD	1.1878	.11654	.94883	.75610
#1	159400.	35897.	2029.4	5844.8
#2	162100.	35956.	2056.8	5907.6

Zoom In Zoom Out

Sample Name: jb67503-2 Acquired: 5/29/2014 2:24:03 Type: Unk
Method: Accutest1(v77) 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	**.2988**	**.0001**	**.0009**	**-.0003**	**.0026**	**.0067**	**2.426**	**.0018**
Stddev	.0006	.0000	.0000	.0000	.0003	.0008	.216	.0002
%RSD	.1969	28.70	2.804	8.608	13.38	11.50	8.919	9.677
#1	.2992	.0001	.0009	-.0004	.0028	.0073	2.579	.0019
#2	.2984	.0001	.0009	-.0003	.0023	.0062	2.273	.0017

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0038**	**.0043**	**.0039**	**.0051**	F **-.0248**	**.0021**	**.0025**	**-.0021**
Stddev	.0007	.0004	.0001	.0005	.0003	.0001	.0007	.0003
%RSD	19.86	9.566	3.362	10.06	1.316	6.858	26.81	12.24
#1	.0032	.0046	.0040	.0048	-.0246	.0022	.0030	-.0023
#2	.0043	.0040	.0038	.0055	-.0251	.0020	.0020	-.0019

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3085**	**125.7**	**23.57**	**11.43**	**1.369**	**35.15**	**.0927**	**-.0001**
Stddev	.0061	1.3	.04	.01	.001	.08	.0005	.0000
%RSD	1.975	1.044	.1613	.0677	.0755	.2147	.5563	42.91
#1	.3128	126.7	23.60	11.42	1.369	35.21	.0931	-.0001
#2	.3041	124.8	23.55	11.43	1.368	35.10	.0924	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0006**	**21.23**	**-.0033**	**.2586**	**.0069**	**.0035**	**-.0007**	**2.512**
Stddev	.0002	.05	.0002	.0004	.0007	.0006	.0000	.009
%RSD	30.84	.2444	4.581	.1513	10.50	15.89	1.372	.3797
#1	.0005	21.27	-.0034	.2589	.0075	.0031	-.0007	2.518
#2	.0008	21.19	-.0032	.2583	.0064	.0039	-.0007	2.505

Elem	Bi2230	Li6707
Avg	**.0022**	**.0150**
Stddev	.0003	.0001
%RSD	14.81	.9926
#1	.0019	.0149
#2	.0024	.0151

Zoom In Zoom Out

Sample Name: jb67503-2 Acquired: 5/29/2014 2:24:03 Type: Unk
Method: Accutest1(v77) 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	**164240.**	**35890.**	**2072.9**	**5982.2**
Stddev	12595.	10.	9.0	23.8
%RSD	7.6685	.02686	.43180	.39753
#1	155330.	35883.	2066.5	5965.4
#2	173140.	35896.	2079.2	5999.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 2:30:10 Type: QC
Method: Accutest1(v77) 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	**2.018**	**2.061**	**2.040**	**1.918**	**1.957**	**1.901**	**2.017**	**2.013**	**.2484**
Stddev	.002	.001	.003	.001	.005	.005	.002	.003	.0005
%RSD	.0891	.0659	.1365	.0445	.2564	.2653	.0912	.1408	.1997
#1	2.017	2.060	2.038	1.917	1.960	1.897	2.018	2.011	.2481
#2	2.019	2.062	2.042	1.918	1.953	1.904	2.016	2.015	.2488
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	**1.958**	**2.022**	**1.992**	**2.031**	**1.972**	**2.016**	**1.942**	**37.83**	**39.97**
Stddev	.002	.001	.003	.010	.002	.001	.003	.07	.03
%RSD	.0952	.0242	.1684	.4846	.1047	.0490	.1321	.1803	.0760
#1	1.959	2.022	1.994	2.038	1.970	2.017	1.944	37.79	39.99
#2	1.957	2.022	1.989	2.024	1.973	2.015	1.940	37.88	39.95
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	**39.64**	**39.42**	**39.36**	**38.90**	**1.985**	**2.028**	**1.912**	**4.939**	**2.049**
Stddev	.01	.07	.16	.17	.000	.001	.006	.003	.002
%RSD	.0179	.1886	.4026	.4337	.0024	.0514	.2938	.0615	.0797
#1	39.65	39.36	39.25	38.78	1.985	2.027	1.908	4.937	2.050
#2	39.64	39.47	39.47	39.02	1.985	2.029	1.916	4.941	2.048
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: 5/29/2014 2:30:10 Type: QC
Method: Accutest1(v77) 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	**2.010**	**1.951**	**2.034**	**1.921**	**1.928**	**2.029**	**1.916**
Stddev	.001	.001	.022	.004	.005	.002	.011
%RSD	.0704	.0288	1.106	.1996	.2583	.0802	.5555
#1	2.009	1.951	2.018	1.918	1.931	2.028	1.908
#2	2.011	1.952	2.050	1.923	1.924	2.030	1.923
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	**162100.**	**35627.**	**2121.5**	**6039.8**
Stddev	359.	19.	1.0	.8
%RSD	.22174	.05234	.04818	.01305
#1	162350.	35640.	2120.8	6039.3
#2	161840.	35614.	2122.2	6040.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 2:36:01 Type: QC
Method: Accutest1(v77) 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**	**.0003**	**.0003**	**.0002**	**.0002**	**.0007**	**.0005**	**-.0001**	**.0005**
Stddev	.0001	.0000	.0001	.0000	.0002	.0002	.0001	.0002	.0002
%RSD	17.57	14.69	33.83	21.96	123.0	27.64	21.61	190.9	51.83
#1	.0005	.0003	.0002	.0002	.0000	.0008	.0004	.0000	.0003
#2	.0004	.0003	.0003	.0002	.0003	.0005	.0006	-.0003	.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	**.0002**	**-.0009**	**.0007**	**.0003**	**.0001**	**-.0015**	**-.0011**	**-.0210**	**-.0041**
Stddev	.0000	.0000	.0008	.0008	.0003	.0002	.0003	.0063	.0018
%RSD	10.14	5.633	114.8	312.4	422.4	15.77	30.75	29.77	44.52
#1	.0002	-.0009	.0012	-.0003	-.0001	-.0013	-.0009	-.0166	-.0028
#2	.0001	-.0008	.0001	.0009	.0003	-.0017	-.0014	-.0255	-.0054
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	**-.0054**	**-.0250**	**.0128**	**.0250**	**.0016**	**.0014**	**-.0001**	**.0046**	**.0006**
Stddev	.0012	.0106	.0090	.0045	.0001	.0001	.0002	.0000	.0003
%RSD	21.59	42.32	70.26	18.19	7.563	5.157	177.5	.6646	43.32
#1	-.0062	-.0175	.0192	.0282	.0016	.0015	-.0003	.0047	.0008
#2	-.0045	-.0325	.0065	.0218	.0017	.0014	.0000	.0046	.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: 5/29/2014 2:36:01 Type: QC
Method: Accutest1(v77) 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**	**.0216**	**.0011**	**.0046**	**.0023**	**.0005**
Stddev	.0000	.0001	.0024	.0000	.0007	.0008	.0003
%RSD	21.40	23.58	11.19	4.567	14.56	34.72	63.98
#1	.0002	.0004	.0233	.0010	.0050	.0028	.0003
#2	.0002	.0003	.0199	.0011	.0041	.0017	.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	**173650.**	**36689.**	**2247.1**	**6640.2**
Stddev	1949.	351.	11.6	41.9
%RSD	1.1224	.95608	.51705	.63089
#1	172270.	36441.	2255.3	6669.9
#2	175030.	36937.	2238.9	6610.6

Zoom In Zoom Out

Sample Name: jb67503-3 Acquired: 5/29/2014 2:42:06 Type: Unk
Method: Accutest1(v77) 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	**.0229**	**.0001**	**.0001**	**.0003**	**.0007**	**.0054**	**.0825**	**.0007**	**.0013**
Stddev	.0000	.0000	.0001	.0001	.0001	.0002	.0003	.0000	.0001
%RSD	.1245	12.80	112.2	55.98	8.582	2.945	.3548	6.027	10.02
#1	.0229	.0001	.0000	.0002	.0008	.0053	.0823	.0007	.0013
#2	.0230	.0001	.0002	.0004	.0007	.0055	.0827	.0007	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0081**	**.0013**	**-.0014**	**.0028**	**.0002**	**-.0018**	**.3057**	**13.77**
Stddev	.0001	.0001	.0003	.0001	.0003	.0019	.0000	.0038	.05
%RSD	4.871	.9429	23.07	10.59	10.24	1051.	2.698	1.255	.3308
#1	.0011	.0081	.0015	-.0015	.0030	.0015	-.0018	.3030	13.80
#2	.0012	.0080	.0011	-.0013	.0026	-.0012	-.0018	.3084	13.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.307**	**2.702**	**2.598**	**5.089**	**.0749**	**.0047**	**-.0003**	**1.539**	**-.0007**
Stddev	.010	.021	.003	.015	.0000	.0001	.0009	.000	.0004
%RSD	.1352	.7766	.0944	.2859	.0417	2.555	332.1	.0292	53.31
#1	7.314	2.717	2.600	5.078	.0749	.0048	-.0009	1.538	-.0004
#2	7.300	2.688	2.597	5.099	.0749	.0047	.0004	1.539	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1176**	**.0128**	**.0081**	**.0011**	**1.099**	**.0029**	**.0018**
Stddev	.0000	.0002	.0000	.0001	.007	.0003	.0001
%RSD	.0087	1.510	.5036	6.261	.6419	8.615	5.905
#1	.1176	.0127	.0081	.0011	1.104	.0028	.0019
#2	.1176	.0130	.0080	.0011	1.094	.0031	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168290.**	**36720.**	**2179.6**	**6457.5**
Stddev	550.	80.	5.8	14.5
%RSD	.32670	.21712	.26543	.22487
#1	168680.	36663.	2183.7	6467.8
#2	167910.	36776.	2175.5	6447.3

Zoom In Zoom Out

Sample Name: jb67503-4 Acquired: 5/29/2014 2:48:07 Type: Unk
Method: Accutest1(v77) 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	**2.923**	**.0000**	**.0010**	**-.0005**	**.0003**	**-.0043**	**2.075**	**.0015**
Stddev	.004	.000	.0007	.0001	.0001	.0097	1.571	.0004
%RSD	.1200	488.3	72.71	22.75	19.76	227.1	75.72	28.60
#1	2.920	-.0001	.0016	-.0005	.0003	.0026	3.186	.0018
#2	2.925	.0001	.0005	-.0004	.0004	-.0111	.9641	.0012

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**.0000**	**.0000**	**.0033**	F **-.0062**	**.0015**	**.0027**	**-.0018**
Stddev	.0001	.0001	.0017	.0013	.0113	.0016	.0006	.0003
%RSD	33.10	185.5	3559.	39.08	183.4	107.9	22.02	19.05
#1	.0002	.0000	-.0011	.0042	-.0142	.0004	.0031	-.0015
#2	.0003	.0001	.0012	.0024	.0018	.0026	.0023	-.0020

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3098**	**273.8**	**1.510**	**32.31**	**2.310**	**37.06**	**.0349**	**-.0002**
Stddev	.0417	.5	.013	.12	.053	.11	.0008	.0004
%RSD	13.45	.1669	.8741	.3592	2.313	.2966	2.219	228.0
#1	.3392	273.4	1.520	32.39	2.348	36.98	.0343	-.0005
#2	.2803	274.1	1.501	32.23	2.272	37.14	.0354	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0005**	**13.93**	**-.0015**	**.7536**	**.0012**	**.0076**	**-.0015**	**.6729**
Stddev	.0011	.02	.0020	.0099	.0009	.0023	.0025	.0214
%RSD	219.0	.1137	127.8	1.308	77.12	29.81	168.3	3.174
#1	.0012	13.92	-.0030	.7466	.0005	.0092	-.0033	.6578
#2	-.0003	13.94	-.0001	.7606	.0018	.0060	.0003	.6880

Elem	Bi2230	Li6707
Avg	**.0004**	**.0238**
Stddev	.0006	.0006
%RSD	156.7	2.417
#1	.0009	.0242
#2	.0000	.0234

Zoom In Zoom Out

Sample Name: jb67503-4 Acquired: 5/29/2014 2:48:07 Type: Unk
Method: Accutest1(v77) 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	*****	**35035.**	**1995.6**	**5710.3**
Stddev	-----	75.	3.9	8.8
%RSD	-----	.21268	.19336	.15345
#1	156130.	34982.	1992.8	5704.1
#2	-----	35088.	1998.3	5716.5

Zoom In Zoom Out

Sample Name: jb67503-1f Acquired: 5/29/2014 2:54:19 Type: Unk
Method: Accutest1(v77) 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	**.3159**	**-.0004**	**.0011**	**.0075**	**-.0011**	**.0037**	F **15.90**	**.0037**	**.0068**
Stddev	.0202	.0000	.0001	.0000	.0003	.0005	.53	.0001	.0012
%RSD	6.382	6.890	10.91	.0775	24.61	13.87	3.352	1.798	18.25
#1	.3302	-.0004	.0010	.0075	-.0013	.0041	16.28	.0036	.0077
#2	.3017	-.0004	.0012	.0075	-.0009	.0034	15.52	.0037	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0038**	**-.0032**	**.0029**	**-.0018**	**.0020**	**.0090**	**-.0013**	**.2126**	**124.8**
Stddev	.0002	.0003	.0002	.0007	.0003	.0041	.0006	.0137	8.5
%RSD	5.603	10.64	5.576	39.48	14.05	45.71	44.25	6.462	6.805
#1	-.0040	-.0034	.0031	-.0023	.0018	.0118	-.0009	.2224	130.8
#2	-.0037	-.0029	.0028	-.0013	.0023	.0061	-.0017	.2029	118.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**40.45**	**37.77**	**7.682**	**89.08**	**.6754**	**.0021**	**-.0020**	**3.533**	**-.0012**
Stddev	2.50	2.38	.440	4.70	.0181	.0000	.0001	.091	.0001
%RSD	6.175	6.298	5.729	5.273	2.676	.3174	3.849	2.591	5.865
#1	42.22	39.46	7.993	92.40	.6626	.0021	-.0020	3.468	-.0013
#2	38.68	36.09	7.371	85.76	.6881	.0021	-.0019	3.597	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7916**	**.0006**	**.0083**	**.0019**	**7.063**	**.0046**	**.0069**
Stddev	.0506	.0001	.0009	.0002	.163	.0009	.0012
%RSD	6.394	11.79	10.82	8.217	2.306	18.87	17.13
#1	.8274	.0006	.0077	.0020	6.947	.0052	.0077
#2	.7559	.0005	.0090	.0018	7.178	.0040	.0061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160550.**	**33633.**	**2075.7**	**5929.5**
Stddev	2630.	1813.	38.7	104.3
%RSD	1.6378	5.3892	1.8648	1.7598
#1	158690.	32351.	2103.1	6003.3
#2	162410.	34915.	2048.3	5855.7

Zoom In Zoom Out

Sample Name: jb67503-2f Acquired: 5/29/2014 3:00:36 Type: Unk
Method: Accutest1(v77) 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	**.2416**	**.0000**	**.0008**	**-.0003**	**.0010**	**.0022**	**2.477**	**.0015**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.004	.0002
%RSD	.0220	342.6	1.007	9.607	9.553	3.096	.1473	13.11
#1	.2415	.0000	.0008	-.0003	.0011	.0022	2.480	.0017
#2	.2416	.0000	.0008	-.0003	.0010	.0021	2.475	.0014

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0018**	**.0003**	**.0008**	**.0043**	F **-.0242**	**.0011**	**.0005**	**-.0010**
Stddev	.0002	.0001	.0001	.0007	.0005	.0000	.0003	.0003
%RSD	13.00	20.96	15.04	17.00	2.063	2.882	62.28	29.10
#1	.0017	.0004	.0009	.0049	-.0246	.0011	.0003	-.0008
#2	.0020	.0003	.0007	.0038	-.0239	.0011	.0007	-.0012

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1958**	**127.8**	**9.433**	**11.62**	**1.350**	**35.68**	**.0925**	**-.0001**
Stddev	.0004	.5	.021	.02	.009	.06	.0003	.0000
%RSD	.2192	.4266	.2204	.1533	.7054	.1660	.3761	68.29
#1	.1961	128.2	9.448	11.63	1.343	35.72	.0927	-.0001
#2	.1955	127.4	9.419	11.61	1.357	35.64	.0922	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0010**	**20.52**	**-.0031**	**.2556**	**-.0001**	**.0072**	**-.0012**	**2.499**
Stddev	.0002	.01	.0008	.0002	.0001	.0000	.0001	.009
%RSD	18.87	.0498	25.82	.0860	189.8	.6295	9.406	.3576
#1	.0009	20.51	-.0026	.2558	.0000	.0073	-.0013	2.493
#2	.0012	20.53	-.0037	.2554	-.0002	.0072	-.0012	2.506

Elem	Bi2230	Li6707
Avg	**.0004**	**.0146**
Stddev	.0005	.0001
%RSD	124.0	.3873
#1	.0000	.0145
#2	.0007	.0146

Zoom In Zoom Out

Sample Name: jb67503-2f Acquired: 5/29/2014 3:00:36 Type: Unk
Method: Accutest1(v77) 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	**162500.**	**35739.**	**2094.3**	**6033.5**
Stddev	432.	45.	3.3	5.9
%RSD	.26607	.12637	.15748	.09713
#1	162190.	35708.	2096.6	6037.7
#2	162800.	35771.	2092.0	6029.4

Zoom In Zoom Out

Sample Name: jb67503-3f Acquired: 5/29/2014 3:06:42 Type: Unk
Method: Accutest1(v77) 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	**.0107**	**.0000**	**.0001**	**-.0001**	**-.0002**	**.0018**	**.0115**	**.0001**	**.0003**
Stddev	.0001	.0000	.0001	.0000	.0002	.0000	.0000	.0000	.0001
%RSD	1.292	4405.	137.4	26.12	97.18	1.176	.4183	8.549	30.89
#1	.0108	.0000	.0000	-.0001	-.0001	.0019	.0116	.0002	.0003
#2	.0106	.0000	.0001	-.0002	-.0003	.0018	.0115	.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0051**	**.0000**	**-.0002**	**-.0002**	**-.0009**	**-.0014**	**.0192**	**15.44**
Stddev	.0000	.0000	.0002	.0003	.0005	.0009	.0002	.0091	.05
%RSD	39.07	.2549	500.5	151.6	291.3	106.9	11.16	47.19	.3480
#1	-.0001	.0050	.0002	-.0004	.0002	-.0015	-.0015	.0128	15.48
#2	-.0001	.0051	-.0001	.0000	-.0005	-.0002	-.0013	.0256	15.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0400**	**2.895**	**2.921**	**5.813**	**.0856**	**.0061**	**.0000**	**.6771**	**-.0003**
Stddev	.0004	.027	.022	.015	.0003	.0003	.000	.0019	.0002
%RSD	.9375	.9471	.7562	.2504	.3570	4.614	264.3	.2755	50.43
#1	.0403	2.915	2.937	5.803	.0853	.0063	.0000	.6784	-.0004
#2	.0397	2.876	2.906	5.823	.0858	.0059	-.0001	.6757	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1305**	**.0005**	**.0025**	**.0001**	**1.235**	**.0020**	**.0026**
Stddev	.0002	.0000	.0004	.0001	.004	.0004	.0007
%RSD	.1660	5.866	15.49	150.0	.3418	18.65	28.32
#1	.1303	.0005	.0022	.0000	1.232	.0017	.0032
#2	.1306	.0005	.0028	.0002	1.238	.0023	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168270.**	**36372.**	**2169.3**	**6436.8**
Stddev	1049.	4.	3.8	4.7
%RSD	.62308	.01142	.17337	.07317
#1	169020.	36369.	2172.0	6440.1
#2	167530.	36375.	2166.6	6433.5

Zoom In Zoom Out

Sample Name: jb67503-4f Acquired: 5/29/2014 3:12:42 Type: Unk
Method: Accutest1(v77) 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	**2.881**	**-.0001**	**.0016**	**-.0004**	**.0000**	**.0022**	**3.177**	**.0025**
Stddev	.005	.0000	.0002	.0001	.000	.0002	.016	.0003
%RSD	.1660	.5738	14.82	27.28	2.235	7.245	.4925	11.24
#1	2.884	-.0001	.0018	-.0003	.0000	.0023	3.166	.0026
#2	2.877	-.0001	.0014	-.0005	.0000	.0021	3.188	.0023

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**-.0001**	**.0010**	**.0046**	F **-.0139**	**.0002**	**.0014**	**-.0015**
Stddev	.0001	.0000	.0001	.0003	.0001	.0004	.0005	.0001
%RSD	68.24	.8217	9.475	7.429	.7575	165.2	37.65	5.176
#1	.0001	-.0001	.0010	.0049	-.0138	.0005	.0017	-.0016
#2	.0000	-.0001	.0009	.0044	-.0139	.0000	.0010	-.0015

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3263**	**271.3**	**.7298**	**32.27**	**2.309**	**36.80**	**.0351**	**-.0006**
Stddev	.0187	2.4	.0008	.27	.013	.04	.0001	.0001
%RSD	5.730	.8899	.1128	.8359	.5518	.0994	.3147	21.01
#1	.3131	269.6	.7304	32.08	2.300	36.82	.0351	-.0007
#2	.3396	273.0	.7292	32.46	2.318	36.77	.0350	-.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0023**	**13.81**	**-.0027**	**.7425**	**-.0001**	**.0051**	**-.0036**	**.6000**
Stddev	.0003	.01	.0007	.0017	.0002	.0007	.0000	.0024
%RSD	11.33	.0739	23.88	.2331	166.7	12.69	.3057	.3920
#1	.0025	13.81	-.0023	.7438	-.0003	.0047	-.0036	.5983
#2	.0021	13.82	-.0032	.7413	.0000	.0056	-.0036	.6016

Elem	Bi2230	Li6707
Avg	**.0003**	**.0237**
Stddev	.0006	.0001
%RSD	199.8	.5106
#1	.0007	.0238
#2	-.0001	.0236

Zoom In Zoom Out

Sample Name: jb67503-4f Acquired: 5/29/2014 3:12:42 Type: Unk
Method: Accutest1(v77) 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	**156500.**	**35077.**	**1994.0**	**5704.9**
Stddev	339.	209.	3.8	3.9
%RSD	.21642	.59650	.19204	.06760
#1	156740.	35225.	1996.8	5707.7
#2	156260.	34930.	1991.3	5702.2

Zoom In Zoom Out

Sample Name: jb67506-2 Acquired: 5/29/2014 3:18:54 Type: Unk
Method: Accutest1(v77) 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	**.0583**	**.0000**	**.0010**	**.0066**	**.0034**	**.0129**	**3.322**	**.0228**
Stddev	.0001	.000	.0001	.0001	.0000	.0003	.013	.0003
%RSD	.1245	146.2	9.280	2.213	1.288	2.435	.3977	1.254
#1	.0583	.0000	.0010	.0065	.0034	.0127	3.312	.0230
#2	.0582	.0000	.0011	.0067	.0034	.0131	3.331	.0226

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0021**	**.0016**	**.0230**	**.0035**	F **-.0119**	**.0133**	**.0028**	**-.0018**
Stddev	.0002	.0001	.0002	.0007	.0004	.0000	.0008	.0000
%RSD	12.02	7.809	.7853	18.83	3.249	.2844	29.45	2.465
#1	.0019	.0017	.0228	.0030	-.0116	.0132	.0034	-.0018
#2	.0023	.0015	.0231	.0040	-.0121	.0133	.0022	-.0018

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**3.185**	**63.81**	**13.62**	**11.90**	**1.636**	**19.76**	**.0581**	**.0003**
Stddev	.006	.01	.01	.01	.022	.00	.0007	.0001
%RSD	.1879	.0197	.0623	.0907	1.366	.0189	1.195	43.20
#1	3.189	63.80	13.61	11.91	1.652	19.76	.0576	.0004
#2	3.181	63.82	13.62	11.90	1.620	19.76	.0586	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0005**	**9.647**	**-.0018**	**.2912**	**.0099**	**.0029**	**.0019**	**3.528**
Stddev	.0001	.001	.0006	.0004	.0000	.0006	.0001	.004
%RSD	12.19	.0122	31.19	.1242	.2326	21.29	4.893	.1064
#1	-.0005	9.647	-.0022	.2909	.0099	.0024	.0020	3.531
#2	-.0005	9.646	-.0014	.2914	.0099	.0033	.0018	3.525

Elem	Bi2230	Li6707
Avg	**.0019**	**.0060**
Stddev	.0004	.0008
%RSD	20.33	13.37
#1	.0022	.0054
#2	.0017	.0066

Zoom In Zoom Out

Sample Name: jb67506-2 Acquired: 5/29/2014 3:18:54 Type: Unk
Method: Accutest1(v77) 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	**165120.**	**36362.**	**2141.8**	**6170.7**
Stddev	614.	128.	6.7	4.8
%RSD	.37214	.35106	.31096	.07800
#1	165550.	36452.	2137.1	6167.3
#2	164680.	36271.	2146.6	6174.1

Zoom In Zoom Out

Sample Name: jb67506-3 Acquired: 5/29/2014 3:24:59 Type: Unk
Method: Accutest1(v77) 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	**.0296**	**.0000**	**.0004**	**.0016**	**.0015**	**.0086**	**.6051**	**.0051**
Stddev	.0002	.0000	.0003	.0001	.0002	.0040	.0937	.0001
%RSD	.7494	1794.	72.81	7.134	12.24	46.33	15.48	1.407
#1	.0297	.0000	.0006	.0016	.0014	.0058	.5388	.0051
#2	.0294	.0000	.0002	.0015	.0017	.0115	.6713	.0050

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0006**	**.0008**	**.0167**	**.0012**	F **-.0033**	**.0048**	**.0002**	**-.0018**
Stddev	.0022	.0001	.0004	.0013	.0046	.0001	.0019	.0006
%RSD	382.1	7.316	2.100	104.4	137.2	1.939	1118.	32.26
#1	.0010	.0008	.0165	.0021	-.0066	.0047	.0015	-.0014
#2	-.0022	.0009	.0170	.0003	-.0001	.0049	-.0012	-.0022

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**1.162**	**64.17**	**5.368**	**11.11**	**.9558**	**16.65**	**.0211**	**.0002**
Stddev	.002	.40	.015	.04	.0026	.02	.0000	.0001
%RSD	.1919	.6199	.2743	.4046	.2676	.1337	.1971	41.71
#1	1.163	63.89	5.357	11.08	.9576	16.63	.0211	.0002
#2	1.160	64.46	5.378	11.15	.9540	16.66	.0211	.0003

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0012**	**5.518**	**-.0014**	**.3000**	**.0060**	**.0011**	**.0009**	**2.523**
Stddev	.0029	.004	.0002	.0025	.0013	.0012	.0005	.014
%RSD	232.7	.0646	16.48	.8241	20.93	108.9	54.69	.5713
#1	.0008	5.516	-.0016	.2982	.0052	.0020	.0006	2.513
#2	-.0033	5.521	-.0012	.3017	.0069	.0003	.0013	2.533

Elem	Bi2230	Li6707
Avg	**.0020**	**.0050**
Stddev	.0003	.0003
%RSD	13.31	6.036
#1	.0018	.0048
#2	.0022	.0052

Zoom In Zoom Out

Sample Name: jb67506-3 Acquired: 5/29/2014 3:24:59 Type: Unk
Method: Accutest1(v77) 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	*****	**35860.**	**2160.3**	**6270.9**
Stddev	-----	364.	1.2	.1
%RSD	-----	1.0146	.05757	.00117
#1	164590.	36118.	2159.5	6270.9
#2	-----	35603.	2161.2	6271.0

Zoom In Zoom Out

Sample Name: jb67506-4 Acquired: 5/29/2014 3:30:58 Type: Unk
Method: Accutest1(v77) 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	**.0004**	**.0000**	**.0001**	**.0000**	**.0002**	**.0011**	**.0003**	**-.0003**
Stddev	.0002	.0000	.0002	.000	.0001	.0005	.0000	.0001
%RSD	47.99	34.38	303.7	1951.	32.07	41.02	6.905	48.99
#1	.0005	.0000	.0002	-.0001	.0003	.0008	.0003	-.0002
#2	.0003	.0000	-.0001	.0000	.0002	.0014	.0002	-.0004

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**-.0004**	**.0013**	**-.0004**	**.0006**	**-.0002**	**-.0011**	**-.0013**
Stddev	.0004	.0001	.0000	.0003	.0006	.0003	.0010	.0004
%RSD	108.4	32.59	2.859	61.59	101.5	165.0	93.34	26.36
#1	.0006	-.0005	.0014	-.0006	.0002	-.0004	-.0004	-.0016
#2	.0001	-.0003	.0013	-.0002	.0010	.0000	-.0017	-.0011

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0233**	**-.0139**	W **-.0101**	**-.0300**	**.0165**	**.0270**	**.0006**	**.0000**
Stddev	.0008	.0345	.0022	.0079	.0357	.0103	.0003	.0000
%RSD	3.510	248.7	21.90	26.27	216.2	38.22	42.84	306.6
#1	-.0227	.0105	-.0086	-.0356	-.0087	.0343	.0004	.0000
#2	-.0238	-.0383	-.0117	-.0244	.0418	.0197	.0008	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**.0165**	**.0001**	**.0000**	**.0002**	**.0009**	**.0001**	**.0101**
Stddev	.0002	.0001	.0001	.0001	.0000	.0002	.0002	.0000
%RSD	162.1	.5785	167.9	275.8	11.44	17.47	134.9	.3515
#1	.0000	.0164	.0002	.0000	.0002	.0008	.0000	.0101
#2	.0003	.0166	.0000	.0001	.0002	.0010	.0002	.0101

Elem	Bi2230	Li6707
Avg	**.0023**	**.0005**
Stddev	.0004	.0009
%RSD	16.95	167.5
#1	.0020	.0012
#2	.0026	-.0001

Zoom In Zoom Out

Sample Name: jb67506-4 Acquired: 5/29/2014 3:30:58 Type: Unk
Method: Accutest1(v77) 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	**170760.**	*****	**2207.1**	**6570.1**
Stddev	4872.	-----	1.0	.2
%RSD	2.8531	-----	.04658	.00279
#1	174200.	35896.	2206.3	6570.2
#2	167310.	-----	2207.8	6570.0

Zoom In Zoom Out

Sample Name: jb67506-5 Acquired: 5/29/2014 3:37:00 Type: Unk
Method: Accutest1(v77) 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	**.0577**	**.0001**	**.0007**	**.0073**	**.0048**	**.0132**	**2.412**	**.0165**
Stddev	.0015	.0001	.0001	.0001	.0010	.0020	.331	.0002
%RSD	2.620	40.34	18.67	1.249	21.50	15.17	13.70	1.223
#1	.0588	.0002	.0006	.0072	.0055	.0147	2.646	.0163
#2	.0566	.0001	.0008	.0073	.0041	.0118	2.178	.0166

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0016**	**.0032**	**.0243**	**.0045**	F **-.0053**	**.0096**	**.0006**	**-.0021**
Stddev	.0047	.0001	.0011	.0012	.0074	.0003	.0038	.0007
%RSD	291.4	3.567	4.720	26.24	141.2	3.242	609.5	31.72
#1	-.0049	.0033	.0251	.0037	.0000	.0099	-.0021	-.0025
#2	.0017	.0031	.0235	.0054	-.0105	.0094	.0033	-.0016

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**3.631**	**92.54**	**13.15**	**16.48**	**2.332**	**30.16**	**.1581**	**.0002**
Stddev	.085	2.66	.32	.45	.036	.79	.0003	.0001
%RSD	2.328	2.870	2.468	2.700	1.550	2.633	.1601	61.94
#1	3.691	94.42	13.37	16.80	2.358	30.72	.1580	.0003
#2	3.571	90.66	12.92	16.17	2.307	29.60	.1583	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0020**	**8.787**	**-.0011**	**.4591**	**.0369**	**.0020**	**.0044**	**16.05**
Stddev	.0037	.023	.0007	.0157	.0063	.0004	.0011	.10
%RSD	186.5	.2631	67.02	3.426	17.03	19.22	24.71	.6199
#1	-.0046	8.803	-.0006	.4702	.0413	.0017	.0051	16.12
#2	.0006	8.771	-.0016	.4480	.0324	.0022	.0036	15.98

Elem	Bi2230	Li6707
Avg	**.0029**	**.0075**
Stddev	.0004	.0007
%RSD	14.14	8.866
#1	.0032	.0080
#2	.0026	.0070

Zoom In Zoom Out

Sample Name: jb67506-5 Acquired: 5/29/2014 3:37:00 Type: Unk
Method: Accutest1(v77) 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	*****	36693.	2124.0	6088.2
Stddev	-----	823.	.8	1.8
%RSD	-----	2.2422	.03636	.03028
#1	-----	36111.	2124.5	6086.9
#2	164480.	37275.	2123.4	6089.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 3:43:06 Type: Unk
Method: Accutest1(v77) 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	2.067	2.125	2.043	1.919	1.970	1.898	2.026	2.012	.2422
Stddev	.088	.084	.003	.006	.011	.001	.002	.006	.0072
%RSD	4.273	3.968	.1225	.3042	.5329	.0735	.1037	.2792	2.969
#1	2.129	2.184	2.044	1.915	1.977	1.897	2.027	2.008	.2371
#2	2.004	2.065	2.041	1.923	1.962	1.899	2.024	2.016	.2473

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	1.945	2.084	2.018	1.994	1.975	2.087	1.935	38.98	41.58
Stddev	.017	.069	.036	.053	.010	.115	.006	1.60	1.79
%RSD	.8471	3.325	1.790	2.683	.5230	5.502	.3266	4.111	4.298
#1	1.933	2.133	2.044	1.956	1.968	2.168	1.930	40.11	42.85
#2	1.956	2.035	1.993	2.032	1.982	2.005	1.939	37.85	40.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	40.96	40.93	40.37	40.00	2.023	2.019	1.900	5.020	2.049
Stddev	1.63	1.47	1.74	1.72	.058	.004	.025	.128	.009
%RSD	3.986	3.603	4.312	4.307	2.848	.2028	1.327	2.541	.4242
#1	42.11	41.97	41.60	41.22	2.063	2.017	1.882	5.110	2.043
#2	39.80	39.89	39.14	38.78	1.982	2.022	1.918	4.930	2.055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	2.063	1.957	2.036	1.926	1.924	2.020	1.967
Stddev	.086	.004	.024	.003	.000	.002	.087
%RSD	4.174	.2164	1.199	.1554	.0056	.1007	4.446
#1	2.124	1.960	2.019	1.928	1.924	2.021	2.028
#2	2.003	1.954	2.053	1.924	1.924	2.018	1.905

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	162210.	*****	2127.0	6051.4
Stddev	338.	-----	2.0	1.2
%RSD	.20854	-----	.09247	.02041
#1	161970.	-----	2125.6	6052.3
#2	162450.	35339.	2128.4	6050.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 3:48:57 Type: QC
Method: Accutest1(v77) 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	.0005	.0004	.0001	.0002	.0003	.0011	.0005	-.0002
Stddev	.0000	.0001	.0001	.0004	.0000	.0002	.0000	.0003
%RSD	5.897	13.71	43.24	234.8	10.23	21.95	5.065	168.9
#1	.0005	.0003	.0002	.0004	.0003	.0009	.0005	.0000
#2	.0005	.0004	.0001	-.0001	.0003	.0013	.0005	-.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	.0003	.0001	-.0011	.0006	.0004	.0000	-.0015	-.0022
Stddev	.0001	.0002	.0001	.0006	.0006	.001	.0011	.0005
%RSD	41.34	302.3	10.53	98.50	152.6	9948.	72.56	23.09
#1	.0002	-.0001	-.0010	.0011	.0000	.0004	-.0022	-.0018
#2	.0003	.0002	-.0012	.0002	.0009	-.0005	-.0007	-.0025
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	-.0201	-.0023	-.0040	-.0163	.0151	.0187	.0020	.0014
Stddev	.0038	.0009	.0001	.0013	.0265	.0066	.0002	.0003
%RSD	18.90	40.98	1.838	8.016	175.8	35.43	9.004	20.47
#1	-.0174	-.0029	-.0041	-.0154	.0338	.0140	.0021	.0016
#2	-.0228	-.0016	-.0040	-.0173	-.0037	.0234	.0019	.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: 5/29/2014 3:48:57 Type: QC
Method: Accutest1(v77) 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	.0049	.0003	.0003	.0007	.0225	W .0013	.0039
Stddev	.0001	.0008	.0003	.0000	.0003	.0024	.0001	.0011
%RSD	105.2	16.67	100.9	4.546	48.65	10.65	4.081	28.76
#1	.0002	.0055	.0005	.0003	.0009	.0241	.0012	.0047
#2	.0000	.0043	.0001	.0003	.0004	.0208	.0013	.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0011	
Low Limit							-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	.0019	.0008
Stddev	.0003	.0006
%RSD	17.40	67.49
#1	.0021	.0004
#2	.0016	.0012
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	170170.	36305.	2238.9	6605.8
Stddev	353.	131.	4.4	10.7
%RSD	.20733	.36174	.19792	.16251
#1	169920.	36212.	2235.8	6598.3
#2	170420.	36398.	2242.1	6613.4

Zoom In Zoom Out

Sample Name: jb67507-1 Acquired: 5/29/2014 3:55:02 Type: Unk
Method: Accutest1(v77) 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	**.0585**	**.0000**	**.0003**	**.0014**	**.0002**	**.0031**	**2.476**	**.0043**
Stddev	.0002	.0000	.0001	.0001	.0003	.0002	.040	.0004
%RSD	.3653	1.664	27.49	5.293	131.6	7.067	1.621	8.886
#1	.0584	.0000	.0004	.0014	.0000	.0030	2.448	.0046
#2	.0587	.0000	.0003	.0015	.0004	.0033	2.504	.0041

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**.0000**	**.0012**	**.0022**	F **-.0063**	**.0013**	**-.0016**	**-.0017**
Stddev	.0000	.0000	.0001	.0004	.0002	.0001	.0011	.0006
%RSD	15.39	982.4	4.121	19.26	2.979	8.285	68.36	37.22
#1	.0003	.0000	.0013	.0019	-.0062	.0013	-.0009	-.0022
#2	.0003	.0000	.0012	.0025	-.0065	.0012	-.0024	-.0013

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3064**	**85.87**	**.9589**	**14.03**	**2.828**	**27.62**	**.0841**	**.0008**
Stddev	.0106	.01	.0015	.00	.027	.06	.0004	.0000
%RSD	3.455	.0101	.1584	.0020	.9441	.2070	.4261	1.180
#1	.2989	85.87	.9600	14.03	2.847	27.66	.0839	.0008
#2	.3138	85.88	.9578	14.03	2.809	27.58	.0844	.0008

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**5.618**	**-.0014**	**.4116**	**.0016**	**.0103**	**-.0002**	**13.56**
Stddev	.0001	.001	.0007	.0004	.0002	.0001	.0000	.06
%RSD	8.004	.0179	48.61	.0995	12.73	1.303	12.61	.4403
#1	.0007	5.617	-.0009	.4113	.0014	.0104	-.0002	13.51
#2	.0007	5.619	-.0018	.4119	.0017	.0102	-.0002	13.60

Elem	Bi2230	Li6707
Avg	**.0014**	**.0051**
Stddev	.0002	.0001
%RSD	15.12	1.412
#1	.0015	.0052
#2	.0012	.0051

Zoom In Zoom Out

Sample Name: jb67507-1 Acquired: 5/29/2014 3:55:02 Type: Unk
Method: Accutest1(v77) 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	**160950.**	**35593.**	**2114.1**	**6130.8**
Stddev	2310.	37.	2.7	16.1
%RSD	1.4354	.10454	.12804	.26265
#1	162580.	35619.	2112.2	6119.4
#2	159310.	35567.	2116.0	6142.2

Zoom In Zoom Out

Sample Name: jb67507-2 Acquired: 5/29/2014 4:01:01 Type: Unk
Method: Accutest1(v77) 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	**.0516**	**.0000**	**.0004**	**.0001**	**.0220**	**.0019**	**.4147**	**.0038**
Stddev	.0001	.0000	.0000	.0000	.0004	.0000	.0003	.0002
%RSD	.1686	54.71	5.067	24.09	1.788	1.947	.0695	5.878
#1	.0516	.0000	.0004	.0001	.0222	.0019	.4149	.0040
#2	.0515	.0000	.0004	.0001	.0217	.0019	.4145	.0037

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**.0015**	**.0009**	**.0035**	F **-.0077**	**.0011**	**.0000**	**-.0013**
Stddev	.0003	.0000	.0000	.0006	.0008	.0000	.0005	.0009
%RSD	123.3	.9629	.2894	15.91	9.851	1.872	7522.	68.43
#1	.0005	.0015	.0009	.0039	-.0072	.0011	.0003	-.0006
#2	.0000	.0015	.0009	.0031	-.0083	.0011	-.0003	-.0019

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1382**	**73.29**	**.0182**	**13.61**	**25.87**	**28.70**	**.0401**	**.0080**
Stddev	.0038	.07	.0014	.06	.03	.11	.0000	.0000
%RSD	2.727	.0920	7.497	.4458	.1101	.3740	.0928	.3157
#1	.1355	73.24	.0192	13.57	25.85	28.62	.0400	.0080
#2	.1409	73.34	.0173	13.65	25.89	28.77	.0401	.0080

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0001**	**5.626**	**-.0016**	**.5683**	**.0004**	**.0071**	**-.0009**	**16.87**
Stddev	.0002	.011	.0003	.0006	.0002	.0005	.0000	.00
%RSD	265.7	.1966	15.85	.1099	49.32	7.344	1.773	.0187
#1	.0001	5.618	-.0014	.5679	.0005	.0067	-.0009	16.87
#2	-.0003	5.634	-.0018	.5687	.0003	.0074	-.0009	16.87

Elem	Bi2230	Li6707
Avg	**.0011**	**.0027**
Stddev	.0005	.0003
%RSD	44.94	11.39
#1	.0014	.0029
#2	.0007	.0025

Zoom In Zoom Out

Sample Name: jb67507-2 Acquired: 5/29/2014 4:01:01 Type: Unk
Method: Accutest1(v77) 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	**162760.**	**35648.**	**2111.5**	**6117.1**
Stddev	62.	179.	3.7	4.4
%RSD	.03779	.50089	.17462	.07181
#1	162810.	35774.	2114.1	6120.2
#2	162720.	35521.	2108.9	6114.0

Zoom In Zoom Out

Sample Name: jb67507-3 Acquired: 5/29/2014 4:07:00 Type: Unk
Method: Accutest1(v77) 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	**.0260**	**.0000**	**.0004**	**.0006**	**.0032**	**.0034**	**1.058**	**.0038**	**-.0031**
Stddev	.0011	.0000	.0001	.0001	.0001	.0000	.005	.0002	.0001
%RSD	4.054	45.29	23.75	20.76	1.717	.8974	.4472	4.424	4.621
#1	.0253	.0000	.0003	.0005	.0033	.0035	1.054	.0039	-.0030
#2	.0268	.0000	.0005	.0007	.0032	.0034	1.061	.0037	-.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0079**	**.0019**	**.0071**	**.0015**	**.0006**	**-.0019**	**.6995**	**78.59**
Stddev	.0001	.0003	.0013	.0001	.0001	.0018	.0003	.0352	3.21
%RSD	12.67	4.336	70.49	1.549	4.353	319.0	17.60	5.032	4.088
#1	.0005	.0081	.0028	.0070	.0015	-.0007	-.0016	.6746	76.32
#2	.0006	.0077	.0009	.0072	.0016	.0018	-.0021	.7244	80.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.855**	**11.19**	**1.946**	**25.33**	**.0260**	**.0009**	**.0008**	**6.088**	**-.0015**
Stddev	.075	.45	.082	.97	.0004	.0001	.0009	.063	.0006
%RSD	4.064	3.996	4.210	3.836	1.541	13.00	115.3	1.027	37.62
#1	1.801	10.87	1.888	24.64	.0263	.0008	.0001	6.132	-.0011
#2	1.908	11.51	2.004	26.01	.0257	.0010	.0014	6.043	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3888**	**.0093**	**.0058**	**.0001**	**7.561**	**.0017**	**.0049**
Stddev	.0151	.0007	.0003	.0001	.094	.0010	.0003
%RSD	3.882	7.597	4.839	147.0	1.239	56.27	5.903
#1	.3781	.0098	.0056	.0000	7.627	.0010	.0052
#2	.3994	.0088	.0060	.0002	7.495	.0024	.0047

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164040.**	**36999.**	**2124.0**	**6160.8**
Stddev	786.	1266.	15.7	35.8
%RSD	.47896	3.4226	.73821	.58124
#1	164600.	37895.	2112.9	6135.5
#2	163490.	36104.	2135.1	6186.2

Zoom In Zoom Out

Sample Name: jb67507-4 Acquired: 5/29/2014 4:13:00 Type: Unk
Method: Accutest1(v77) 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	**.0281**	**.0000**	**.0005**	**.0008**	**.0027**	**.0041**	**1.096**	**.0046**	**-.0028**
Stddev	.0000	.0000	.0001	.0003	.0003	.0002	.016	.0000	.0001
%RSD	.0349	215.6	22.05	39.73	11.34	5.397	1.446	.0064	4.113
#1	.0282	.0000	.0004	.0011	.0025	.0039	1.085	.0046	-.0029
#2	.0281	.0000	.0005	.0006	.0029	.0042	1.107	.0046	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0156**	**.0025**	**.0081**	**.0020**	**.0010**	**-.0013**	**.9649**	**82.19**
Stddev	.0002	.0001	.0003	.0003	.0006	.0006	.0002	.0006	.07
%RSD	25.13	.4711	13.75	3.343	30.13	57.66	17.20	.0633	.0815
#1	.0006	.0155	.0027	.0083	.0016	.0006	-.0014	.9654	82.24
#2	.0009	.0156	.0023	.0079	.0024	.0014	-.0011	.9645	82.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.965**	**12.29**	**1.651**	**25.48**	**.0235**	**.0009**	**.0002**	**6.529**	**-.0013**
Stddev	.001	.03	.007	.16	.0003	.0001	.0009	.018	.0003
%RSD	.0468	.2271	.4160	.6274	1.306	16.13	579.1	.2736	25.07
#1	2.966	12.27	1.656	25.59	.0238	.0010	.0008	6.542	-.0016
#2	2.964	12.31	1.646	25.36	.0233	.0008	-.0005	6.517	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3916**	**.0130**	**.0048**	**.0002**	**10.91**	**.0022**	**.0044**
Stddev	.0013	.0007	.0006	.0000	.04	.0000	.0001
%RSD	.3221	5.586	12.12	17.85	.4127	.7955	2.005
#1	.3924	.0125	.0053	.0002	10.95	.0022	.0043
#2	.3907	.0135	.0044	.0002	10.88	.0022	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**165510.**	**36235.**	**2112.9**	**6122.5**
Stddev	2108.	3.	6.0	24.2
%RSD	1.2735	.00761	.28424	.39549
#1	167000.	36237.	2108.6	6105.3
#2	164020.	36233.	2117.1	6139.6

Zoom In Zoom Out

Sample Name: jb67507-5 Acquired: 5/29/2014 4:18:59 Type: Unk
Method: Accutest1(v77) 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	**.0267**	**.0000**	**.0004**	**.0006**	**.0017**	**.0033**	**1.145**	**.0034**	**-.0031**
Stddev	.0000	.000	.0001	.0002	.0003	.0001	.001	.0001	.0001
%RSD	.0804	6.006	15.13	34.25	14.96	3.257	.0912	2.996	3.722
#1	.0267	.0000	.0005	.0005	.0016	.0034	1.146	.0033	-.0031
#2	.0267	.0000	.0004	.0008	.0019	.0032	1.144	.0035	-.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0129**	**.0013**	**.0071**	**.0007**	**.0013**	**-.0017**	**.6381**	**80.94**
Stddev	.0000	.0001	.0001	.0005	.0005	.0004	.0010	.0002	.18
%RSD	6.148	.9383	11.64	6.885	73.66	29.03	56.92	.0340	.2216
#1	.0004	.0130	.0014	.0067	.0003	.0016	-.0010	.6379	81.07
#2	.0004	.0128	.0012	.0074	.0010	.0010	-.0024	.6382	80.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.749**	**12.13**	**1.484**	**24.71**	**.0212**	**.0006**	**.0005**	**5.988**	**-.0011**
Stddev	.002	.03	.024	.03	.0002	.0001	.0002	.030	.0005
%RSD	.1071	.2616	1.610	.1084	1.013	10.78	35.17	.5029	43.54
#1	1.748	12.15	1.467	24.69	.0213	.0007	.0006	5.967	-.0014
#2	1.751	12.11	1.501	24.73	.0210	.0006	.0004	6.010	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3806**	**.0070**	**.0027**	**-.0003**	**10.03**	**.0013**	**.0043**
Stddev	.0006	.0003	.0001	.0000	.05	.0011	.0001
%RSD	.1643	4.151	4.345	1.958	.4845	84.58	3.134
#1	.3801	.0072	.0028	-.0003	10.07	.0021	.0042
#2	.3810	.0068	.0026	-.0003	10.00	.0005	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163180.**	**35727.**	**2111.0**	**6132.8**
Stddev	590.	49.	5.1	6.1
%RSD	.36133	.13662	.24332	.10026
#1	162760.	35692.	2114.6	6137.1
#2	163600.	35761.	2107.3	6128.4

Zoom In Zoom Out

Sample Name: jb67507-6 Acquired: 5/29/2014 4:25:00 Type: Unk
Method: Accutest1(v77) 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	**.0278**	**.0000**	**.0004**	**.0008**	**.0019**	**.0035**	**1.167**	**.0037**	**-.0028**
Stddev	.0001	.000	.0001	.0001	.0001	.0003	.003	.0001	.0001
%RSD	.4036	22.12	17.72	8.140	4.971	7.677	.2585	3.818	3.035
#1	.0278	.0000	.0003	.0007	.0020	.0033	1.169	.0036	-.0028
#2	.0279	.0000	.0004	.0008	.0018	.0037	1.165	.0038	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0153**	**.0019**	**.0077**	**.0016**	**-.0003**	**-.0016**	**.8071**	**82.29**
Stddev	.0000	.0000	.0011	.0013	.0004	.0009	.0002	.0036	.25
%RSD	1.724	.0538	58.17	16.20	26.01	268.5	13.20	.4445	.2978
#1	.0007	.0153	.0011	.0086	.0013	.0003	-.0015	.8045	82.47
#2	.0007	.0153	.0027	.0068	.0019	-.0010	-.0018	.8096	82.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.137**	**12.50**	**1.524**	**25.16**	**.0224**	**.0007**	**.0002**	**6.309**	**-.0013**
Stddev	.002	.05	.018	.02	.0008	.0002	.0001	.032	.0000
%RSD	.0895	.3678	1.175	.0668	3.672	31.02	36.53	.4997	1.248
#1	2.136	12.54	1.512	25.15	.0219	.0005	.0002	6.287	-.0014
#2	2.138	12.47	1.537	25.17	.0230	.0008	.0001	6.331	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3860**	**.0114**	**.0028**	**.0000**	**10.28**	**.0013**	**.0047**
Stddev	.0009	.0007	.0003	.0000	.08	.0004	.0003
%RSD	.2316	6.572	9.411	133.9	.8072	31.29	7.242
#1	.3854	.0108	.0030	.0000	10.22	.0016	.0045
#2	.3867	.0119	.0026	.0000	10.34	.0010	.0050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164190.**	**35535.**	**2113.5**	**6136.3**
Stddev	495.	73.	7.2	26.7
%RSD	.30143	.20644	.34250	.43497
#1	163840.	35587.	2118.6	6155.2
#2	164540.	35483.	2108.4	6117.4

Zoom In Zoom Out

Sample Name: mp79707-mb1 2 Acquired: 5/29/2014 4:31:00 Type: Unk
Method: Accutest1(v77) 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**	**.0021**	**.0027**	**.0003**	**-.0007**	**.0001**
Stddev	.0000	.000	.0000	.0000	.0002	.0003	.0000	.0000	.0001
%RSD	.6369	38.88	77.92	24.10	8.483	12.11	.8358	4.139	96.98
#1	.0003	.0000	.0001	-.0001	.0019	.0030	.0003	-.0006	.0000
#2	.0003	.0000	.0000	-.0001	.0022	.0025	.0003	-.0007	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0036**	**-.0007**	**-.0005**	**-.0006**	**-.0009**	**-.0014**	**-.0153**	**.0217**
Stddev	.0001	.0001	.0002	.0006	.0003	.0009	.0002	.0017	.0002
%RSD	31.91	3.760	24.07	123.6	52.62	104.4	12.41	11.04	.8707
#1	-.0002	.0035	-.0008	-.0001	-.0009	-.0015	-.0016	-.0165	.0218
#2	-.0004	.0037	-.0005	-.0009	-.0004	-.0002	-.0013	-.0141	.0215

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0009**	**-.0165**	**.0025**	**.0226**	**.0009**	**.0002**	**-.0008**	**.0236**	**.0000**
Stddev	.0014	.0095	.0088	.0015	.0001	.0002	.0008	.0013	.000
%RSD	155.7	57.86	352.3	6.678	13.73	81.78	95.01	5.639	67.70
#1	-.0001	-.0232	.0087	.0236	.0010	.0003	-.0014	.0245	.0000
#2	.0019	-.0097	-.0037	.0215	.0008	.0001	-.0003	.0226	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**.0041**	**.0002**	**.0094**	**.0006**	**.0006**
Stddev	.0000	.0002	.0000	.0000	.0012	.0008	.0001
%RSD	49.36	45.56	.2343	6.823	12.83	137.5	12.31
#1	.0000	.0005	.0041	.0003	.0103	.0000	.0007
#2	.0000	.0002	.0041	.0002	.0086	.0011	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167360.**	**36726.**	**2218.7**	**6584.9**
Stddev	3038.	190.	40.1	106.3
%RSD	1.8154	.51853	1.8091	1.6151
#1	165210.	36860.	2190.4	6509.7
#2	169510.	36591.	2247.1	6660.1

Zoom In Zoom Out

Sample Name: mp79707-lc1 2 Acquired: 5/29/2014 4:37:04 Type: Unk
Method: Accutest1(v77) 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	**.5062**	**.5158**	**.5056**	**.4680**	**.5049**	**.4631**	**.5183**	**.5007**	**.1906**
Stddev	.0008	.0012	.0013	.0005	.0001	.0000	.0002	.0004	.0001
%RSD	.1539	.2393	.2474	.1169	.0273	.0078	.0438	.0854	.0471
#1	.5057	.5167	.5047	.4676	.5050	.4630	.5184	.5010	.1905
#2	.5068	.5150	.5064	.4684	.5048	.4631	.5181	.5004	.1906

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4843**	**.5429**	**.4938**	**.5136**	**.4918**	**.5222**	**.4761**	**4.752**	**5.565**
Stddev	.0005	.0002	.0008	.0029	.0012	.0024	.0003	.000	.006
%RSD	.1066	.0280	.1677	.5743	.2486	.4586	.0581	.0077	.1158
#1	.4839	.5428	.4932	.5115	.4909	.5205	.4762	4.751	5.570
#2	.4846	.5430	.4944	.5157	.4926	.5239	.4759	4.752	5.561

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.597**	**5.399**	**9.873**	**9.833**	**-.0027**	**.5017**	**-.0027**	**.0372**	**.0001**
Stddev	.009	.009	.004	.007	.0005	.0006	.0001	.0001	.0001
%RSD	.1605	.1598	.0409	.0693	20.28	.1285	3.359	.3299	71.78
#1	5.603	5.405	9.871	9.837	-.0031	.5013	-.0027	.0371	.0000
#2	5.591	5.393	9.876	9.828	-.0023	.5022	-.0028	.0373	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4993**	**.0092**	**.0033**	**.0028**	**-.0012**	**.0008**
Stddev	.0000	.0001	.0014	.0002	.0024	.0007	.0001
%RSD	11.09	.0127	15.38	4.979	85.23	64.47	8.045
#1	-.0002	.4994	.0102	.0034	.0045	-.0017	.0008
#2	-.0002	.4993	.0082	.0031	.0011	-.0006	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168680.**	**35990.**	**2192.5**	**6436.4**
Stddev	1074.	43.	2.8	2.7
%RSD	.63686	.12052	.12733	.04225
#1	169440.	36021.	2190.5	6434.5
#2	167920.	35959.	2194.5	6438.3

Zoom In Zoom Out

Sample Name: mp79707-s1 Acquired: 5/29/2014 4:42:57 Type: Unk
Method: Accutest1(v77) 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	**1.829**	**.0473**	**.0465**	**.4263**	**.1809**	**.2220**	**.4698**	**.4540**	**.0356**
Stddev	.002	.0002	.0001	.0002	.0011	.0003	.0022	.0003	.0003
%RSD	.1064	.4842	.2918	.0554	.5925	.1176	.4592	.0752	.8997
#1	1.827	.0475	.0465	.4265	.1817	.2218	.4713	.4537	.0358
#2	1.830	.0471	.0466	.4261	.1801	.2222	.4682	.4542	.0354

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4327**	**.5012**	**1.833**	**1.831**	**.4456**	**1.938**	**.4399**	**2.752**	**59.10**
Stddev	.0007	.0006	.003	.009	.0000	.002	.0015	.008	.08
%RSD	.1572	.1285	.1450	.5203	.0036	.1253	.3441	.2812	.1387
#1	.4332	.5007	1.831	1.825	.4456	1.936	.4409	2.747	59.16
#2	.4322	.5016	1.835	1.838	.4457	1.940	.4388	2.758	59.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.718**	**33.42**	**23.79**	**30.27**	**.0299**	**.0022**	**-.0019**	**4.299**	**-.0004**
Stddev	.002	.10	.07	.03	.0000	.0000	.0008	.003	.0005
%RSD	.1381	.2847	.3082	.0968	.1144	1.457	41.08	.0801	124.9
#1	1.717	33.48	23.74	30.25	.0299	.0022	-.0024	4.301	-.0007
#2	1.720	33.35	23.84	30.29	.0299	.0021	-.0013	4.296	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4057**	**.0139**	**.0064**	**-.0004**	**19.54**	**-.0009**	**.0043**
Stddev	.0010	.0003	.0010	.0000	.05	.0010	.0003
%RSD	.2444	2.381	15.94	9.384	.2579	102.4	7.899
#1	.4050	.0136	.0071	-.0004	19.51	-.0003	.0045
#2	.4064	.0141	.0056	-.0004	19.58	-.0016	.0040

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163990.**	**35658.**	**2124.2**	**6120.9**
Stddev	493.	8.	.1	1.0
%RSD	.30059	.02243	.00552	.01604
#1	163640.	35664.	2124.3	6121.6
#2	164340.	35653.	2124.1	6120.2

Zoom In Zoom Out

Sample Name: mp79707-s2 Acquired: 5/29/2014 4:48:49 Type: Unk
Method: Accutest1(v77) 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	**1.871**	**.0480**	**.0473**	**.4342**	**.1835**	**.2289**	**.4769**	**.4636**	**.0362**
Stddev	.003	.0001	.0002	.0006	.0009	.0005	.0011	.0005	.0000
%RSD	.1517	.2410	.4013	.1454	.4699	.2293	.2261	.1185	.1023
#1	1.869	.0481	.0475	.4337	.1841	.2293	.4777	.4639	.0362
#2	1.873	.0479	.0472	.4346	.1829	.2285	.4762	.4632	.0363

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4397**	**.5086**	**1.872**	**1.869**	**.4548**	**1.977**	**.4501**	**2.857**	**60.37**
Stddev	.0005	.0003	.002	.003	.0005	.004	.0005	.009	.10
%RSD	.1077	.0647	.1149	.1473	.1148	.2097	.1042	.2979	.1715
#1	.4400	.5084	1.870	1.867	.4544	1.974	.4498	2.863	60.44
#2	.4393	.5088	1.873	1.871	.4552	1.980	.4504	2.851	60.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.784**	**33.91**	**24.27**	**30.83**	**.0297**	**.0022**	**-.0016**	**4.463**	**-.0002**
Stddev	.004	.05	.03	.04	.0003	.0000	.0001	.001	.0001
%RSD	.2249	.1341	.1120	.1172	.9428	1.484	7.407	.0272	29.37
#1	1.786	33.94	24.25	30.85	.0295	.0021	-.0017	4.462	-.0002
#2	1.781	33.88	24.29	30.80	.0299	.0022	-.0015	4.464	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4161**	**.0151**	**.0066**	**-.0009**	**20.04**	**-.0014**	**.0034**
Stddev	.0007	.0001	.0007	.0000	.01	.0001	.0002
%RSD	.1601	.6022	10.46	.1436	.0252	9.191	4.919
#1	.4156	.0151	.0071	-.0009	20.04	-.0015	.0035
#2	.4165	.0152	.0061	-.0009	20.04	-.0013	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164070.**	**35685.**	**2123.0**	**6121.3**
Stddev	499.	17.	5.8	14.6
%RSD	.30436	.04874	.27524	.23850
#1	164430.	35673.	2118.9	6111.0
#2	163720.	35697.	2127.1	6131.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 4:54:41 Type: QC
Method: Accutest1(v77) 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	**1.988**	**2.056**	**1.991**	**1.891**	**1.982**	**1.902**	**2.046**	**1.975**	**.2480**
Stddev	.003	.009	.007	.007	.002	.011	.003	.006	.0000
%RSD	.1412	.4638	.3538	.3859	.0969	.5804	.1436	.2827	.0014
#1	1.986	2.063	1.996	1.897	1.983	1.910	2.048	1.979	.2480
#2	1.990	2.049	1.987	1.886	1.981	1.894	2.044	1.971	.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	**1.968**	**1.994**	**1.944**	**1.998**	**1.949**	**1.953**	**1.897**	**37.87**	**40.12**
Stddev	.002	.009	.007	.004	.003	.010	.005	.04	.20
%RSD	.0870	.4443	.3379	.2193	.1666	.5005	.2907	.1121	.5083
#1	1.969	2.000	1.949	2.001	1.951	1.960	1.901	37.90	40.26
#2	1.966	1.987	1.939	1.995	1.947	1.946	1.893	37.84	39.98
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	**39.62**	**39.77**	**39.11**	**38.77**	**1.939**	**1.974**	**1.916**	**4.817**	**2.003**
Stddev	.14	.24	.01	.05	.009	.005	.014	.017	.007
%RSD	.3553	.6122	.0243	.1267	.4464	.2805	.7265	.3444	.3342
#1	39.72	39.94	39.10	38.81	1.946	1.978	1.926	4.829	2.008
#2	39.52	39.60	39.11	38.74	1.933	1.970	1.906	4.805	1.998
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: 5/29/2014 4:54:41 Type: QC
Method: Accutest1(v77) 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	**1.996**	**1.972**	**1.989**	**1.943**	**1.877**	**1.969**	**1.905**
Stddev	.003	.001	.009	.002	.004	.004	.003
%RSD	.1493	.0236	.4292	.1236	.2348	.1841	.1286
#1	1.994	1.973	1.983	1.945	1.880	1.972	1.903
#2	1.998	1.972	1.995	1.942	1.874	1.967	1.907
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	**162220.**	**35472.**	**2185.5**	**6191.8**
Stddev	162.	274.	4.7	10.6
%RSD	.10017	.77116	.21537	.17149
#1	162100.	35278.	2182.2	6184.3
#2	162330.	35665.	2188.9	6199.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 5:00:32 Type: QC
Method: Accutest1(v77) 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**	**.0004**	**.0002**	**.0001**	**.0003**	**.0008**	**.0005**	**-.0001**
Stddev	.0001	.0000	.0000	.0001	.0000	.0002	.0000	.0003
%RSD	14.41	2.583	25.20	270.1	4.188	26.30	5.661	173.3
#1	.0006	.0004	.0002	.0000	.0003	.0010	.0005	.0000
#2	.0007	.0004	.0001	.0002	.0003	.0007	.0005	-.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	**.0003**	**.0000**	**-.0009**	**.0011**	**.0011**	**.0006**	**-.0024**	**-.0005**
Stddev	.0001	.0000	.0003	.0003	.0001	.0002	.0008	.0005
%RSD	35.68	114.7	35.11	23.01	9.036	32.42	34.60	97.06
#1	.0002	.0000	-.0011	.0013	.0012	.0004	-.0030	-.0002
#2	.0003	.0000	-.0007	.0010	.0010	.0007	-.0018	-.0009
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	**-.0155**	**-.0025**	**-.0021**	**-.0230**	**.0205**	**.0164**	**.0017**	**.0017**
Stddev	.0026	.0001	.0004	.0033	.0092	.0070	.0001	.0001
%RSD	16.53	3.619	21.12	14.54	44.88	42.44	5.700	7.759
#1	-.0174	-.0025	-.0024	-.0206	.0140	.0115	.0016	.0018
#2	-.0137	-.0026	-.0018	-.0253	.0269	.0213	.0018	.0016
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: 5/29/2014 5:00:32 Type: QC
Method: Accutest1(v77) 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**	**.0045**	**.0005**	**.0004**	**.0005**	**.0239**	W **.0011**	**.0038**
Stddev	.0001	.0000	.0000	.0000	.0001	.0035	.0001	.0016
%RSD	8.089	.5541	7.801	7.626	17.80	14.75	12.80	42.93
#1	.0007	.0045	.0006	.0004	.0004	.0264	.0012	.0049
#2	.0007	.0045	.0005	.0004	.0006	.0214	.0010	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0011	
Low Limit							-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0018**	**.0010**
Stddev	.0002	.0008
%RSD	8.872	78.30
#1	.0017	.0005
#2	.0019	.0016
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	**170150.**	**35834.**	**2265.7**	**6652.2**
Stddev	866.	721.	7.0	20.4
%RSD	.50881	2.0132	.30679	.30685
#1	169540.	36344.	2270.6	6666.7
#2	170760.	35324.	2260.8	6637.8

Zoom In Zoom Out

Sample Name: cri Acquired: 5/29/2014 5:06:38 Type: QC
Method: Accutest1(v77) 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	**.2037**	**.0022**	**.0033**	**.0499**	**.0107**	**.0101**	**.0164**	**.0102**	**.0050**
Stddev	.0024	.0000	.0001	.0004	.0004	.0003	.0001	.0000	.0003
%RSD	1.194	.5700	2.136	.7229	3.517	2.682	.6319	.2467	6.763
#1	.2054	.0023	.0034	.0497	.0110	.0103	.0165	.0102	.0048
#2	.2019	.0022	.0033	.0502	.0104	.0099	.0163	.0102	.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	**.0522**	**.0218**	**.0090**	**.0114**	**.0025**	**.0095**	**.0056**	**.1885**	**5.129**
Stddev	.0001	.0000	.0005	.0009	.0006	.0013	.0004	.0046	.023
%RSD	.1885	.1956	5.470	7.605	22.97	13.97	7.450	2.457	.4483
#1	.0523	.0219	.0094	.0120	.0021	.0086	.0053	.1918	5.146
#2	.0521	.0218	.0087	.0108	.0029	.0105	.0059	.1852	5.113
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	**.0959**	**5.154**	**5.012**	**4.881**	**.1045**	**.0216**	**.0529**	**.2053**	**.0107**
Stddev	.0017	.026	.073	.061	.0005	.0000	.0005	.0013	.0003
%RSD	1.751	.5072	1.462	1.255	.4341	.0294	.8645	.6556	2.930
#1	.0971	5.172	5.063	4.925	.1041	.0216	.0532	.2044	.0105
#2	.0947	5.135	4.960	4.838	.1048	.0216	.0525	.2063	.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: 5/29/2014 5:06:38 Type: QC
Method: Accutest1(v77) 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**	**.0109**	**.0580**	**.0118**	**.0492**	**.0227**	**.0207**
Stddev	.0001	.0001	.0000	.0002	.0055	.0003	.0001
%RSD	1.291	.8133	.0658	1.842	11.11	1.137	.5902
#1	.0107	.0108	.0580	.0119	.0454	.0225	.0206
#2	.0105	.0110	.0579	.0116	.0531	.0229	.0208
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	**169840.**	**36160.**	**2229.6**	**6519.7**
Stddev	515.	100.	6.5	19.4
%RSD	.30334	.27563	.29173	.29698
#1	169470.	36090.	2234.2	6533.4
#2	170200.	36231.	2225.0	6506.0

Zoom In Zoom Out

Sample Name: crid Acquired: 5/29/2014 5:12:38 Type: QC
Method: Accutest1(v77) 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**	**.0011**	**.0029**	**.0022**	W **.0024**	**.0034**	**.0035**
Stddev	.0001	.0000	.0001	.0000	.0003	.0000	.0000	.0001
%RSD	1.570	1.236	4.928	.1092	13.72	1.904	.8374	3.611
#1	.0042	.0011	.0012	.0029	.0024	.0025	.0033	.0035
#2	.0042	.0011	.0011	.0030	.0019	.0024	.0034	.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value						.0020		
Range						20.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0018**	W **.0126**	**.0028**	**.0019**	**.0020**	**.0046**	W **.0021**
Stddev	.0002	.0001	.0001	.0004	.0004	.0002	.0002	.0001
%RSD	17.89	6.007	.8267	15.90	23.15	11.04	5.170	2.451
#1	.0010	.0017	.0125	.0031	.0022	.0018	.0044	.0021
#2	.0013	.0019	.0126	.0025	.0016	.0022	.0047	.0022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value			.0100					.0030
Range			20.00%					-20.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0795**	**1.038**	**-.0100**	**.0801**	**2.005**	**1.010**	**.0110**	**.0003**
Stddev	.0010	.005	.0005	.0110	.002	.008	.0002	.0001
%RSD	1.278	.5102	5.392	13.76	.1013	.8151	2.111	39.52
#1	.0802	1.034	-.0104	.0723	2.003	1.004	.0109	.0004
#2	.0787	1.041	-.0096	.0878	2.006	1.016	.0112	.0002
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000							
Range	-20.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 5/29/2014 5:12:38 Type: QC
Method: Accutest1(v77) 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**	**-.0027**	**.0004**	**.0000**	**.0001**	F **.0085**	F **.0002**	F **.0026**
Stddev	.0000	.0001	.0001	.0000	.0001	.0006	.0000	.0007
%RSD	26.49	2.878	23.86	43.85	107.1	7.472	9.998	25.02
#1	.0002	-.0026	.0003	.0000	.0000	.0089	.0002	.0031
#2	.0001	-.0027	.0005	.0000	.0002	.0080	.0002	.0021
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 **.0016**	F **.0005**
Stddev	.0003	.0000
%RSD	19.24	9.602
#1	.0014	.0005
#2	.0018	.0005
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	**169850.**	**36007.**	**2237.1**	**6578.6**
Stddev	153.	133.	.1	4.6
%RSD	.08991	.36875	.00235	.06938
#1	169740.	36101.	2237.1	6575.3
#2	169960.	35913.	2237.1	6581.8

Zoom In Zoom Out

Sample Name: cria Acquired: 5/29/2014 5:18:43 Type: QC
Method: Accutest1(v77) 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**	**.0000**	**-.0001**	**.0004**	**.0001**	**-.0003**	**.0002**
Stddev	.0001	.0000	.0001	.000	.0002	.0001	.0000	.0001	.0001
%RSD	44.83	8.277	145.0	1018.	293.1	36.41	41.81	17.08	25.26
#1	.0002	.0000	.0000	.0001	.0001	.0005	.0001	-.0004	.0002
#2	.0001	.0000	-.0001	-.0001	-.0002	.0003	.0001	-.0003	.0003
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**	**.0011**	**.0192**	**.0009**	**.0200**	**.0208**	**.0177**	**.4630**	**-.0060**
Stddev	.0001	.0000	.0000	.0001	.0002	.0007	.0010	.0173	.0004
%RSD	40.42	4.198	.0133	6.648	.8536	3.140	5.616	3.728	7.066
#1	-.0002	.0011	.0192	.0010	.0199	.0212	.0170	.4508	-.0057
#2	-.0004	.0012	.0192	.0009	.0202	.0203	.0184	.4753	-.0063
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	**.5223**	**-.0220**	**-.0207**	**.0072**	**.0003**	**.0001**	**-.0001**	**-.0048**	**.0003**
Stddev	.0241	.0078	.0005	.0047	.0001	.0001	.0003	.0010	.0003
%RSD	4.606	35.32	2.512	65.44	45.57	45.95	251.5	20.66	86.19
#1	.5053	-.0274	-.0211	.0039	.0002	.0002	.0001	-.0055	.0005
#2	.5393	-.0165	-.0204	.0106	.0004	.0001	-.0003	-.0041	.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/29/2014 5:18:43 Type: QC
Method: Accutest1(v77) 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**	**.0050**	**.0002**	**.0032**	**.0017**	**.0004**
Stddev	.0000	.0003	.0005	.0000	.0018	.0001	.0003
%RSD	157.4	1041.	9.646	8.674	57.49	5.107	86.52
#1	.0000	.0003	.0046	.0002	.0045	.0016	.0006
#2	.0000	-.0002	.0053	.0002	.0019	.0017	.0001
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	**171920.**	**35332.**	**2271.2**	**6681.3**
Stddev	1573.	1386.	46.6	132.6
%RSD	.91493	3.9237	2.0506	1.9844
#1	170810.	36312.	2304.1	6775.1
#2	173030.	34352.	2238.3	6587.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 5:24:48 Type: QC
Method: Accutest1(v77) 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	**1.998**	**2.071**	**2.037**	**1.945**	**1.990**	**1.911**	**2.059**	**2.029**	**.2473**
Stddev	.042	.054	.019	.023	.048	.058	.050	.022	.0048
%RSD	2.098	2.593	.9277	1.200	2.397	3.039	2.432	1.097	1.943
#1	2.028	2.109	2.024	1.928	1.957	1.869	2.023	2.013	.2439
#2	1.968	2.033	2.050	1.961	2.024	1.952	2.094	2.045	.2507
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**	**2.049**	**1.995**	**2.046**	**1.999**	**1.999**	**1.945**	**38.43**	**40.51**
Stddev	.049	.026	.019	.012	.027	.020	.022	.87	1.01
%RSD	2.478	1.250	.9325	.6058	1.338	1.003	1.131	2.272	2.503
#1	1.938	2.031	1.982	2.037	1.981	1.985	1.929	39.05	41.23
#2	2.007	2.067	2.009	2.055	2.018	2.013	1.960	37.81	39.80
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	**40.02**	**40.06**	**39.35**	**39.04**	**1.989**	**2.023**	**1.926**	**4.984**	**2.054**
Stddev	.98	1.08	.79	.78	.018	.021	.058	.046	.023
%RSD	2.439	2.685	2.017	2.001	.8876	1.064	2.983	.9230	1.116
#1	40.71	40.82	39.91	39.59	1.977	2.007	1.886	4.951	2.038
#2	39.33	39.30	38.79	38.48	2.002	2.038	1.967	5.016	2.071
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: 5/29/2014 5:24:48 Type: QC
Method: Accutest1(v77) 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	**2.019**	**1.985**	**2.083**	**1.950**	**1.917**	**2.012**	**1.915**
Stddev	.044	.053	.042	.053	.016	.019	.039
%RSD	2.197	2.658	1.997	2.702	.8093	.9345	2.041
#1	2.050	1.947	2.054	1.913	1.906	1.999	1.942
#2	1.987	2.022	2.113	1.988	1.928	2.025	1.887
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	**162900.**	**35352.**	**2148.9**	**6082.3**
Stddev	3811.	634.	15.8	49.1
%RSD	2.3395	1.7924	.73541	.80675
#1	165590.	34904.	2160.1	6117.0
#2	160200.	35800.	2137.7	6047.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 5:30:39 Type: Unk
Method: Accutest1(v77) 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**	**.0001**	**.0002**	**.0002**	**-.0030**	**.0001**	**-.0004**
Stddev	.0000	.0000	.0001	.0001	.0001	.0050	.0002	.0000
%RSD	14.61	4.341	102.2	50.71	52.70	166.1	151.4	6.800
#1	.0002	.0001	.0001	.0003	.0001	-.0066	.0000	-.0004
#2	.0002	.0001	.0000	.0001	.0003	.0005	.0003	-.0003

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**.0000**	**-.0005**	**.0007**	**.0007**	**-.0001**	**-.0017**	**-.0006**
Stddev	.0001	.000	.0012	.0005	.0004	.0003	.0025	.0006
%RSD	28.82	559.9	261.6	71.62	64.88	215.0	146.1	93.78
#1	.0003	.0001	.0004	.0011	.0010	.0001	.0001	-.0002
#2	.0002	-.0001	-.0013	.0004	.0004	-.0003	-.0034	-.0010

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0227**	**-.0119**	**-.0094**	**-.0322**	**.0180**	**.0089**	**.0019**	**.0015**
Stddev	.0044	.0010	.0009	.0016	.0053	.0007	.0004	.0003
%RSD	19.26	8.683	9.960	4.856	29.30	7.444	18.60	16.32
#1	-.0258	-.0127	-.0100	-.0311	.0143	.0093	.0021	.0017
#2	-.0196	-.0112	-.0087	-.0334	.0218	.0084	.0016	.0014

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**.0039**	**.0006**	**.0001**	**.0006**	**.0264**	**.0010**	**.0020**
Stddev	.0008	.0000	.0002	.0000	.0003	.0026	.0004	.0007
%RSD	1794.	1.067	31.38	3.976	44.09	9.844	39.14	36.58
#1	.0006	.0040	.0004	.0001	.0008	.0282	.0007	.0025
#2	-.0005	.0039	.0007	.0001	.0004	.0246	.0013	.0015

Elem	Bi2230	Li6707
Avg	**.0012**	**-.0002**
Stddev	.0003	.0002
%RSD	23.56	108.4
#1	.0010	-.0001
#2	.0014	-.0004

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 5:30:39 Type: Unk
Method: Accutest1(v77) 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	*****	**35653.**	**2244.4**	**6598.9**
Stddev	-----	3060.	2.4	10.0
%RSD	-----	8.5816	.10887	.15124
#1	-----	37816.	2246.1	6606.0
#2	171160.	33489.	2242.7	6591.9

Zoom In Zoom Out

Sample Name: jb67662-1 Acquired: 5/29/2014 5:36:46 Type: Unk
Method: Accutest1(v77) 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	**.0458**	**.0000**	**.0001**	**.0000**	**.0012**	**.0153**	**.0125**	**.0009**
Stddev	.0002	.0000	.0000	.0000	.0000	.0000	.0001	.0001
%RSD	.3833	64.88	42.43	105.0	2.134	.0263	1.110	12.31
#1	.0456	.0000	.0001	.0000	.0013	.0153	.0126	.0010
#2	.0459	.0001	.0001	.0000	.0012	.0153	.0124	.0008

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**.0013**	**.0168**	**.0017**	F **-.0054**	**.0012**	**.0000**	**-.0016**
Stddev	.0001	.0001	.0002	.0009	.0005	.0002	.0013	.0000
%RSD	31.61	4.462	.9251	51.60	9.536	18.26	4702.	.0091
#1	.0003	.0013	.0167	.0023	-.0051	.0010	-.0009	-.0016
#2	.0005	.0014	.0169	.0011	-.0058	.0013	.0009	-.0016

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.9948**	**37.43**	**.7831**	**10.63**	**1.328**	**8.051**	**.0302**	**.0017**
Stddev	.0014	.24	.0060	.11	.006	.004	.0003	.0001
%RSD	.1397	.6500	.7598	1.002	.4757	.0495	1.076	3.021
#1	.9939	37.60	.7873	10.71	1.323	8.048	.0300	.0017
#2	.9958	37.26	.7789	10.56	1.332	8.054	.0304	.0017

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0017**	**4.220**	**-.0004**	**.4139**	**.0149**	**.0152**	**.0002**	**19.46**
Stddev	.0001	.011	.0004	.0007	.0001	.0014	.0000	.07
%RSD	5.128	.2665	100.7	.1768	.8999	9.400	18.46	.3434
#1	.0018	4.212	-.0007	.4134	.0150	.0162	.0003	19.41
#2	.0016	4.228	-.0001	.4144	.0148	.0142	.0002	19.51

Elem	Bi2230	Li6707
Avg	**.0006**	**.0038**
Stddev	.0007	.0001
%RSD	132.8	1.998
#1	.0000	.0038
#2	.0011	.0037

Zoom In Zoom Out

Sample Name: jb67662-1 Acquired: 5/29/2014 5:36:46 Type: Unk
Method: Accutest1(v77) 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	**168120.**	**35880.**	**2176.5**	**6392.9**
Stddev	593.	236.	5.6	8.9
%RSD	.35247	.65894	.25800	.13951
#1	167700.	35713.	2180.4	6399.2
#2	168530.	36047.	2172.5	6386.6

Zoom In Zoom Out

Sample Name: mp79707-sd1 Acquired: 5/29/2014 5:42:44 Type: Unk
Method: Accutest1(v77) 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	**.0468**	**.0000**	**.0010**	**.0002**	**.0016**	**.0182**	**.0133**	**-.0004**	**.0013**
Stddev	.0003	.0000	.0006	.0011	.0006	.0002	.0001	.0016	.0016
%RSD	.5791	22.76	59.25	516.4	38.64	1.218	.5422	440.2	127.5
#1	.0470	.0000	.0006	-.0006	.0020	.0180	.0133	-.0015	.0024
#2	.0466	.0000	.0015	.0010	.0012	.0183	.0132	.0008	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0299**	**.0041**	**-.0010**	**.0036**	**-.0078**	**-.0054**	**.9121**	**37.99**
Stddev	.0005	.0010	.0040	.0002	.0026	.0023	.0013	.0200	.22
%RSD	98.62	3.264	98.19	16.28	73.59	29.58	25.00	2.192	.5695
#1	.0001	.0306	.0013	-.0011	.0017	-.0094	-.0063	.9262	37.83
#2	.0008	.0292	.0070	-.0008	.0055	-.0062	-.0044	.8980	38.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7506**	**10.68**	**1.352**	**8.030**	**.0330**	**.0028**	**.0018**	**4.227**	**.0003**
Stddev	.0061	.06	.015	.004	.0005	.0003	.0012	.033	.0003
%RSD	.8177	.5293	1.094	.0461	1.437	10.49	69.13	.7786	100.2
#1	.7462	10.64	1.363	8.027	.0327	.0030	.0009	4.250	.0004
#2	.7549	10.72	1.342	8.032	.0334	.0026	.0026	4.204	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4147**	**.0165**	**.0478**	**.0014**	**19.35**	**.0073**	**.0053**
Stddev	.0002	.0003	.0026	.0003	.19	.0020	.0023
%RSD	.0470	1.874	5.449	21.60	.9903	27.87	43.33
#1	.4148	.0163	.0497	.0012	19.48	.0087	.0037
#2	.4146	.0167	.0460	.0017	19.21	.0059	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169050.**	**36095.**	**2216.2**	**6538.6**
Stddev	31.	100.	8.4	22.6
%RSD	.01808	.27739	.38002	.34514
#1	169030.	36166.	2210.3	6522.6
#2	169070.	36024.	2222.2	6554.6

Zoom In Zoom Out

Sample Name: jb67592-1 Acquired: 5/29/2014 5:48:45 Type: Unk
Method: Accutest1(v77) 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	**.1054**	**-.0002**	**.0017**	**.0013**	**-.0001**	**.0075**	**8.176**	**.0030**
Stddev	.0008	.0000	.0002	.0001	.0001	.0002	.067	.0002
%RSD	.7135	11.13	11.24	4.601	77.11	2.576	.8187	8.348
#1	.1049	-.0002	.0015	.0013	-.0001	.0076	8.224	.0031
#2	.1060	-.0002	.0018	.0014	.0000	.0074	8.129	.0028

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0022**	**.0001**	**.0260**	**.0046**	**F -.0181**	**.0031**	**.0032**	**-.0017**
Stddev	.0002	.0002	.0005	.0003	.0004	.0004	.0002	.0001
%RSD	9.936	161.4	2.019	5.515	2.114	12.70	7.534	5.302
#1	.0021	.0000	.0256	.0048	-.0184	.0034	.0030	-.0017
#2	.0024	.0002	.0263	.0044	-.0178	.0029	.0034	-.0018

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3268**	**98.39**	**15.37**	**18.77**	**3.808**	**151.6**	**.1920**	**.0009**
Stddev	.0042	.69	.08	.09	.051	.0	.0043	.0003
%RSD	1.289	.6988	.5055	.4806	1.334	.0148	2.229	29.03
#1	.3238	97.90	15.32	18.70	3.772	151.6	.1889	.0011
#2	.3298	98.88	15.43	18.83	3.843	151.6	.1950	.0007

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0003**	**14.62**	**-.0019**	**.4357**	**.0088**	**.0113**	**-.0003**	**3.207**
Stddev	.0001	.28	.0009	.0032	.0003	.0010	.0000	.066
%RSD	40.95	1.932	44.99	.7387	3.950	9.094	8.530	2.044
#1	-.0004	14.42	-.0025	.4335	.0085	.0105	-.0004	3.161
#2	-.0002	14.82	-.0013	.4380	.0090	.0120	-.0003	3.253

Elem	Bi2230	Li6707
Avg	**.0004**	**.0036**
Stddev	.0009	.0001
%RSD	220.6	1.824
#1	-.0002	.0036
#2	.0011	.0035

Zoom In Zoom Out

Sample Name: jb67592-1 Acquired: 5/29/2014 5:48:45 Type: Unk
Method: Accutest1(v77) 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	**156890.**	**35334.**	**2090.0**	**5899.4**
Stddev	231.	177.	29.6	80.1
%RSD	.14694	.50103	1.4142	1.3580
#1	156720.	35459.	2110.9	5956.0
#2	157050.	35209.	2069.1	5842.7

Zoom In Zoom Out

Sample Name: jb67592-2 Acquired: 5/29/2014 5:55:02 Type: Unk
Method: Accutest1(v77) 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	**.1282**	**-.0001**	**.0017**	**.0010**	**.0089**	**.0473**	**4.591**	**.0056**
Stddev	.0001	.0000	.0001	.0000	.0000	.0005	.031	.0003
%RSD	.0901	37.67	8.601	4.739	.3742	1.134	.6835	6.010
#1	.1282	-.0001	.0018	.0011	.0089	.0469	4.613	.0058
#2	.1283	.0000	.0016	.0010	.0089	.0477	4.569	.0053

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0033**	**.0079**	**.0847**	**.0041**	**F -.0139**	**.0286**	**.0036**	**.0003**
Stddev	.0000	.0001	.0004	.0008	.0004	.0003	.0005	.0009
%RSD	1.031	.7363	.4818	18.50	2.876	1.034	12.63	293.3
#1	.0033	.0078	.0844	.0047	-.0142	.0284	.0039	-.0003
#2	.0033	.0079	.0850	.0036	-.0136	.0288	.0033	.0009

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**1.977**	**85.90**	**29.39**	**18.23**	**1.957**	**109.2**	**.0483**	**.0027**
Stddev	.007	.02	.02	.04	.026	.5	.0000	.0001
%RSD	.3770	.0225	.0540	.2194	1.308	.4653	.0228	3.945
#1	1.983	85.89	29.38	18.20	1.939	108.8	.0483	.0026
#2	1.972	85.92	29.40	18.26	1.975	109.5	.0483	.0028

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0007**	**11.30**	**.0002**	**.2910**	**.0730**	**.0097**	**.0009**	**1.115**
Stddev	.0003	.03	.0007	.0003	.0005	.0005	.0001	.006
%RSD	41.28	.2304	330.6	.1138	.6410	5.366	7.270	.5476
#1	-.0009	11.28	.0007	.2908	.0727	.0093	.0009	1.110
#2	-.0005	11.32	-.0003	.2913	.0733	.0100	.0010	1.119

Elem	Bi2230	Li6707
Avg	**.0007**	**.0043**
Stddev	.0009	.0000
%RSD	129.9	.2352
#1	.0014	.0043
#2	.0001	.0043

Zoom In Zoom Out

Sample Name: jb67592-2 Acquired: 5/29/2014 5:55:02 Type: Unk
Method: Accutest1(v77) 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	**160870.**	**35215.**	**2070.2**	**5880.4**
Stddev	553.	65.	1.2	2.9
%RSD	.34391	.18535	.05857	.05013
#1	160470.	35261.	2071.1	5882.5
#2	161260.	35169.	2069.4	5878.3

Zoom In Zoom Out

Sample Name: jb67592-3 Acquired: 5/29/2014 6:01:12 Type: Unk
Method: Accutest1(v77) 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	**.1158**	**.0007**	**.0049**	**.0141**	**.0161**	**.1084**	**5.435**	**.0229**
Stddev	.0003	.0000	.0001	.0003	.0000	.0002	.046	.0000
%RSD	.2321	.7251	2.104	1.796	.2529	.1904	.8529	.0559
#1	.1156	.0007	.0048	.0140	.0161	.1083	5.468	.0229
#2	.1160	.0007	.0050	.0143	.0162	.1086	5.402	.0229

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0029**	**.0077**	**.6224**	**.0051**	F **-.0222**	**.0210**	**.0020**	**.0026**
Stddev	.0001	.0000	.0091	.0002	.0011	.0003	.0004	.0007
%RSD	4.518	.0060	1.469	3.494	4.911	1.232	19.45	25.32
#1	.0030	.0077	.6159	.0053	-.0230	.0212	.0023	.0030
#2	.0028	.0077	.6288	.0050	-.0214	.0208	.0017	.0021

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**6.301**	**57.58**	**17.74**	**18.48**	**7.607**	**110.8**	**.1638**	**.0036**
Stddev	.018	.24	.07	.08	.027	.8	.0033	.0002
%RSD	.2777	.4088	.4000	.4235	.3567	.7364	2.008	4.533
#1	6.289	57.42	17.69	18.43	7.626	111.3	.1614	.0035
#2	6.314	57.75	17.79	18.54	7.588	110.2	.1661	.0037

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**17.02**	**.0000**	**.2232**	**.0967**	**.0105**	**.0003**	**9.637**
Stddev	.0001	.28	.000	.0004	.0003	.0005	.0001	.102
%RSD	313.4	1.629	183.9	.2011	.3521	4.998	44.63	1.059
#1	.0001	16.83	-.0001	.2229	.0969	.0101	.0004	9.565
#2	-.0001	17.22	.0000	.2235	.0964	.0109	.0002	9.709

Elem	Bi2230	Li6707
Avg	**-.0004**	**.0070**
Stddev	.0008	.0001
%RSD	210.2	1.370
#1	.0002	.0071
#2	-.0010	.0070

Zoom In Zoom Out

Sample Name: jb67592-3 Acquired: 5/29/2014 6:01:12 Type: Unk
Method: Accutest1(v77) 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	**163580.**	**35668.**	**2131.5**	**6007.4**
Stddev	462.	77.	31.7	89.6
%RSD	.28251	.21473	1.4854	1.4915
#1	163260.	35723.	2153.9	6070.7
#2	163910.	35614.	2109.2	5944.0

Zoom In Zoom Out

Sample Name: jb67592-4 Acquired: 5/29/2014 6:07:23 Type: Unk
Method: Accutest1(v77) 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	**.0649**	**.0000**	**.0006**	**.0001**	**.0038**	**.0399**	**.0282**	**.0029**
Stddev	.0001	.0000	.0002	.0000	.0000	.0004	.0000	.0002
%RSD	.1655	70.26	24.96	43.58	.2938	.9362	.0614	5.667
#1	.0648	.0000	.0005	.0001	.0038	.0402	.0282	.0028
#2	.0650	.0000	.0008	.0001	.0038	.0397	.0282	.0030

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0006**	**.0020**	**.0846**	**.0016**	F **-.0096**	**.0106**	**-.0003**	**.0003**
Stddev	.0001	.0001	.0004	.0003	.0001	.0012	.0006	.0002
%RSD	12.66	2.766	.4348	17.64	1.506	10.86	247.1	56.66
#1	.0006	.0019	.0844	.0018	-.0097	.0114	-.0007	.0002
#2	.0005	.0020	.0849	.0014	-.0095	.0098	.0002	.0004

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.5267**	**37.58**	**1.781**	**10.36**	**3.825**	**106.6**	**.3503**	**.0012**
Stddev	.0008	.15	.007	.07	.010	1.3	.0010	.0001
%RSD	.1466	.3969	.3904	.7149	.2507	1.204	.2968	7.294
#1	.5261	37.47	1.776	10.31	3.818	105.7	.3496	.0012
#2	.5272	37.68	1.786	10.41	3.832	107.5	.3510	.0013

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0003**	**7.339**	**.0000**	**.1431**	**.0233**	**.0056**	**.0001**	**5.910**
Stddev	.0010	.009	.0001	.0002	.0000	.0002	.0000	.017
%RSD	352.5	.1294	251.9	.1100	.0125	3.385	36.09	.2884
#1	-.0004	7.333	.0000	.1430	.0233	.0057	.0001	5.898
#2	.0010	7.346	.0001	.1432	.0233	.0054	.0001	5.922

Elem	Bi2230	Li6707
Avg	**.0005**	**.0021**
Stddev	.0001	.0000
%RSD	11.31	1.855
#1	.0006	.0021
#2	.0005	.0022

Zoom In Zoom Out

Sample Name: jb67592-4 Acquired: 5/29/2014 6:07:23 Type: Unk
Method: Accutest1(v77) 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	**162040.**	**35560.**	**2111.4**	**6022.1**
Stddev	132.	182.	6.1	12.5
%RSD	.08141	.51094	.29121	.20755
#1	162130.	35689.	2115.7	6030.9
#2	161950.	35432.	2107.0	6013.2

Zoom In Zoom Out

Sample Name: jb67592-5 Acquired: 5/29/2014 6:13:26 Type: Unk
Method: Accutest1(v77) 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	**.1256**	**-.0003**	**.0040**	**.0051**	**.0066**	**.0290**	F **15.31**	**.0079**
Stddev	.0001	.0000	.0001	.0000	.0002	.0002	.14	.0003
%RSD	.1149	1.106	3.210	.7851	3.207	.6264	.8899	3.538
#1	.1257	-.0003	.0040	.0051	.0064	.0291	15.40	.0081
#2	.1255	-.0003	.0041	.0051	.0067	.0288	15.21	.0077

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0047**	**.0059**	**.1267**	**.0070**	F **-.0205**	**.0227**	**.0079**	**.0000**
Stddev	.0000	.0001	.0001	.0001	.0002	.0003	.0008	.0012
%RSD	.3589	2.486	.0759	1.270	.7354	1.438	10.52	2573.
#1	.0047	.0058	.1267	.0069	-.0204	.0224	.0084	-.0008
#2	.0047	.0060	.1266	.0071	-.0206	.0229	.0073	.0009

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.118**	**64.36**	**30.25**	**21.06**	**2.469**	**204.8**	**.1288**	**.0010**
Stddev	.000	.16	.06	.08	.008	1.9	.0005	.0003
%RSD	.0011	.2534	.2057	.3869	.3123	.9424	.3592	27.94
#1	2.118	64.47	30.29	21.12	2.475	206.2	.1292	.0012
#2	2.118	64.24	30.20	21.01	2.464	203.4	.1285	.0008

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0021**	**18.60**	**-.0006**	**.2996**	**.1008**	**.0074**	**-.0001**	**2.962**
Stddev	.0001	.01	.0006	.0001	.0002	.0006	.0000	.002
%RSD	2.895	.0605	100.4	.0341	.1661	7.665	37.85	.0655
#1	-.0021	18.60	-.0002	.2996	.1007	.0078	-.0001	2.961
#2	-.0020	18.61	-.0010	.2997	.1009	.0070	-.0001	2.964

Elem	Bi2230	Li6707
Avg	**.0014**	**.0042**
Stddev	.0002	.0004
%RSD	16.71	9.120
#1	.0016	.0039
#2	.0012	.0045

Zoom In Zoom Out

Sample Name: jb67592-5 Acquired: 5/29/2014 6:13:26 Type: Unk
Method: Accutest1(v77) 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	**160180.**	**35468.**	**2070.2**	**5803.3**
Stddev	23.	190.	1.5	9.0
%RSD	.01452	.53605	.07477	.15458
#1	160160.	35333.	2071.3	5809.6
#2	160190.	35602.	2069.1	5796.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 6:19:40 Type: QC
Method: Accutest1(v77) 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	**2.001**	**2.077**	**2.050**	**1.963**	**1.998**	**1.902**	**2.067**	**2.043**	**.2476**
Stddev	.005	.003	.008	.012	.002	.001	.001	.014	.0006
%RSD	.2635	.1640	.4038	.6014	.1075	.0536	.0432	.6605	.2334
#1	2.005	2.074	2.056	1.971	1.997	1.902	2.066	2.053	.2472
#2	1.998	2.079	2.045	1.955	2.000	1.903	2.067	2.034	.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	**1.976**	**2.067**	**2.003**	**2.054**	**2.018**	**2.008**	**1.957**	**38.50**	**40.63**
Stddev	.001	.013	.004	.007	.009	.009	.008	.08	.04
%RSD	.0393	.6042	.1897	.3211	.4632	.4740	.4200	.2079	.1017
#1	1.976	2.076	2.006	2.058	2.025	2.015	1.963	38.56	40.66
#2	1.975	2.058	2.001	2.049	2.012	2.001	1.951	38.44	40.60
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	**40.05**	**40.18**	**39.42**	**39.12**	**2.001**	**2.033**	**1.920**	**5.009**	**2.068**
Stddev	.03	.02	.02	.05	.005	.011	.002	.026	.006
%RSD	.0628	.0571	.0613	.1211	.2548	.5578	.1112	.5202	.2999
#1	40.07	40.17	39.40	39.08	2.004	2.041	1.919	5.028	2.072
#2	40.04	40.20	39.44	39.15	1.997	2.025	1.922	4.991	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: ccv Acquired: 5/29/2014 6:19:40 Type: QC
Method: Accutest1(v77) 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	**2.020**	**1.986**	**2.090**	**1.947**	**1.932**	**2.020**	**1.916**
Stddev	.002	.003	.009	.002	.004	.005	.002
%RSD	.1110	.1236	.4276	.0796	.2182	.2393	.1011
#1	2.022	1.984	2.084	1.946	1.935	2.024	1.915
#2	2.019	1.988	2.097	1.948	1.929	2.017	1.918
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	**163120.**	**35175.**	**2144.5**	**6067.3**
Stddev	19.	99.	10.5	36.6
%RSD	.01140	.28151	.49081	.60308
#1	163110.	35105.	2137.1	6041.4
#2	163130.	35245.	2152.0	6093.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 6:25:30 Type: QC
Method: Accutest1(v77) 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	**.0005**	**.0004**	**.0003**	**.0003**	**.0004**	**.0004**	**.0009**	**-.0003**
Stddev	.0002	.0000	.0002	.0003	.0001	.0000	.0000	.0001
%RSD	31.60	.1914	59.46	103.0	33.80	.9187	2.036	44.23
#1	.0004	.0004	.0004	.0005	.0003	.0004	.0009	-.0002
#2	.0006	.0004	.0002	.0001	.0005	.0004	.0009	-.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	**.0003**	**.0000**	**-.0012**	**.0008**	**.0006**	**-.0006**	**-.0033**	**-.0004**
Stddev	.0001	.0000	.0001	.0002	.0002	.0003	.0007	.0001
%RSD	38.38	13.48	11.22	26.55	32.64	40.78	20.22	32.90
#1	.0002	.0000	-.0013	.0007	.0005	-.0008	-.0028	-.0004
#2	.0004	.0000	-.0011	.0010	.0008	-.0005	-.0038	-.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	**-.0170**	**-.0030**	**-.0022**	**-.0227**	**-.0013**	**.0304**	**.0017**	**.0017**
Stddev	.0022	.0013	.0000	.0010	.0186	.0013	.0006	.0003
%RSD	12.80	41.98	1.041	4.335	1402.	4.267	33.00	19.46
#1	-.0186	-.0021	-.0022	-.0220	.0118	.0314	.0021	.0019
#2	-.0155	-.0039	-.0022	-.0234	-.0145	.0295	.0013	.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: 5/29/2014 6:25:30 Type: QC
Method: Accutest1(v77) 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**	**.0057**	**.0007**	**.0004**	**.0006**	**.0263**	W **.0013**	**.0010**
Stddev	.0001	.0011	.0006	.0000	.0001	.0029	.0000	.0001
%RSD	38.41	18.71	87.34	.8133	17.27	10.96	2.152	14.29
#1	.0003	.0064	.0011	.0004	.0006	.0283	.0013	.0009
#2	.0002	.0049	.0002	.0004	.0005	.0243	.0013	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0011	
Low Limit							-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0014**	**.0004**
Stddev	.0001	.0003
%RSD	4.229	82.07
#1	.0014	.0007
#2	.0014	.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	**173830.**	**36581.**	**2258.6**	**6630.6**
Stddev	4183.	1474.	12.2	29.2
%RSD	2.4065	4.0291	.54171	.44015
#1	176790.	37623.	2250.0	6610.0
#2	170870.	35538.	2267.3	6651.3

Zoom In Zoom Out

Sample Name: mp79717-mb2 2 Acquired: 5/29/2014 6:31:36 Type: Unk
Method: Accutest1(v77) 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	**.0007**	**.0000**	**.0001**	**.0000**	**.0003**	**.0010**	**.0006**	**-.0005**	**.0002**
Stddev	.0000	.000	.0001	.000	.0002	.0008	.0001	.0000	.0001
%RSD	3.085	405.2	83.28	338.2	63.10	80.02	9.599	8.751	53.19
#1	.0007	.0000	.0002	-.0001	.0002	.0004	.0006	-.0005	.0003
#2	.0006	.0000	.0000	.0000	.0005	.0015	.0007	-.0005	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0027**	**.0002**	**-.0010**	**-.0004**	**-.0002**	**-.0008**	**-.0131**	**.0682**
Stddev	.0000	.0000	.0005	.0004	.0002	.0000	.0001	.0021	.0018
%RSD	5.538	1.817	342.4	35.29	45.66	11.07	14.94	16.33	2.580
#1	-.0003	.0026	-.0002	-.0013	-.0003	-.0001	-.0009	-.0116	.0694
#2	-.0003	.0027	.0005	-.0008	-.0006	-.0002	-.0007	-.0146	.0669

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0268**	**-.0048**	**.0276**	**.0520**	**.0018**	**.0008**	**.0002**	**.0198**	**.0170**
Stddev	.0019	.0075	.0109	.0036	.0001	.0000	.0004	.0006	.0003
%RSD	7.010	155.4	39.53	6.944	5.492	1.436	195.2	2.876	1.931
#1	.0282	-.0102	.0199	.0545	.0017	.0008	.0004	.0194	.0167
#2	.0255	.0005	.0353	.0494	.0018	.0008	-.0001	.0202	.0172

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0011**	**.0172**	**.0013**	**.0120**	**.0004**	**-.0004**
Stddev	.0001	.0003	.0015	.0000	.0008	.0004	.0004
%RSD	31.08	29.03	8.930	.8957	6.466	83.64	104.1
#1	.0003	.0009	.0183	.0013	.0125	.0002	-.0001
#2	.0002	.0014	.0161	.0013	.0114	.0007	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170550.**	**35554.**	**2243.7**	**6640.4**
Stddev	8781.	485.	13.7	41.8
%RSD	5.1486	1.3627	.61238	.62994
#1	176760.	35211.	2253.4	6670.0
#2	164340.	35897.	2233.9	6610.8

Zoom In Zoom Out

Sample Name: mp79717-b2 2 Acquired: 5/29/2014 6:37:40 Type: Unk
Method: Accutest1(v77) 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	**3.639**	**.0962**	**.0926**	**.8766**	**.3760**	**.4331**	**.9620**	**.9288**	**.0800**
Stddev	.015	.0000	.0016	.0130	.0032	.0037	.0085	.0149	.0001
%RSD	.4017	.0202	1.725	1.479	.8596	.8518	.8852	1.600	.1371
#1	3.628	.0962	.0937	.8858	.3737	.4305	.9560	.9393	.0801
#2	3.649	.0962	.0915	.8674	.3783	.4357	.9681	.9183	.0799

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8921**	**1.009**	**3.646**	**3.706**	**.9114**	**3.803**	**.8825**	**47.50**	**11.68**
Stddev	.0071	.016	.063	.058	.0120	.069	.0134	.09	.02
%RSD	.7977	1.582	1.719	1.568	1.317	1.806	1.514	.1810	.1656
#1	.8871	1.021	3.691	3.747	.9199	3.852	.8920	47.44	11.70
#2	.8972	.9982	3.602	3.665	.9030	3.755	.8731	47.56	11.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.43**	**11.64**	**11.47**	**11.31**	**.0011**	**.0021**	**-.0056**	**.0154**	**.0156**
Stddev	.06	.03	.05	.02	.0008	.0001	.0008	.0001	.0004
%RSD	.1249	.2233	.4251	.1386	68.55	5.968	14.17	.5296	2.705
#1	48.48	11.65	11.43	11.30	.0006	.0021	-.0050	.0155	.0159
#2	48.39	11.62	11.50	11.32	.0016	.0022	-.0062	.0154	.0153

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0031**	**.0204**	**.0043**	**.0128**	**-.0028**	**-.0001**
Stddev	.0000	.0001	.0004	.0002	.0003	.0005	.0003
%RSD	22.46	4.463	2.045	4.199	2.211	16.34	436.4
#1	.0002	.0030	.0207	.0044	.0126	-.0031	-.0003
#2	.0001	.0031	.0202	.0042	.0130	-.0025	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168500.**	**36270.**	**2210.5**	**6389.6**
Stddev	1105.	17.	32.4	89.8
%RSD	.65593	.04648	1.4639	1.4047
#1	169280.	36258.	2187.6	6326.1
#2	167720.	36282.	2233.4	6453.1

Zoom In Zoom Out

Sample Name: jb67818-15 Acquired: 5/29/2014 6:43:35 Type: Unk
Method: Accutest1(v77) 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	**.2251**	**.0031**	**.0020**	**.0808**	**.1233**	**.0864**	**2.103**	**.1220**	**.0186**
Stddev	.0012	.0000	.0000	.0003	.0004	.0003	.001	.0000	.0004
%RSD	.5199	.6837	1.478	.4122	.2926	.3781	.0277	.0194	2.180
#1	.2259	.0031	.0020	.0806	.1231	.0867	2.103	.1220	.0189
#2	.2243	.0031	.0020	.0811	.1236	.0862	2.103	.1220	.0183

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1839**	**.3363**	**.0616**	**-.0018**	**.0938**	**.0192**	**.0005**	**122.1**	**2.539**
Stddev	.0005	.0017	.0015	.0001	.0002	.0022	.0007	.5	.007
%RSD	.2550	.5091	2.407	4.550	.2507	11.24	134.2	.4147	.2712
#1	.1836	.3351	.0626	-.0019	.0939	.0207	.0000	122.5	2.544
#2	.1843	.3375	.0605	-.0018	.0936	.0177	.0010	121.8	2.534

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**171.3**	**24.32**	**7.100**	**.2173**	**.0203**	**.0039**	**-.0071**	**3.221**	**.0186**
Stddev	1.1	.08	.020	.0073	.0000	.0000	.0000	.010	.0000
%RSD	.6128	.3259	.2781	3.345	.1480	.2047	.3899	.3062	.1545
#1	172.0	24.37	7.114	.2225	.0202	.0039	-.0071	3.228	.0186
#2	170.5	24.26	7.086	.2122	.0203	.0039	-.0071	3.215	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0434**	**.9300**	**.0159**	**.0865**	**.3541**	**.0012**	**.1452**
Stddev	.0002	.0014	.0024	.0003	.0021	.0002	.0011
%RSD	.5246	.1461	14.92	.3517	.5944	19.09	.7341
#1	.0436	.9291	.0175	.0867	.3556	.0011	.1460
#2	.0433	.9310	.0142	.0863	.3526	.0014	.1445

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164860.**	**35991.**	**2252.3**	**6391.1**
Stddev	227.	36.	3.8	1.7
%RSD	.13778	.09864	.16892	.02661
#1	164700.	35966.	2249.6	6389.9
#2	165030.	36016.	2255.0	6392.3

Zoom In Zoom Out

Sample Name: jb67848-1 Acquired: 5/29/2014 6:49:37 Type: Unk
Method: Accutest1(v77) 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	**.2446**	**.0044**	**.0034**	**.0491**	**.1421**	**.1238**	**4.649**	**.1375**
Stddev	.0006	.0000	.0001	.0004	.0001	.0010	.013	.0018
%RSD	.2316	.5287	3.933	.7766	.0678	.7990	.2807	1.292
#1	.2442	.0045	.0033	.0488	.1420	.1231	4.640	.1363
#2	.2450	.0044	.0035	.0493	.1421	.1245	4.658	.1388

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0258**	**.2428**	**.2808**	**.0207**	F **-.0091**	**.0381**	**.0263**	**.0004**
Stddev	.0016	.0001	.0033	.0006	.0007	.0008	.0003	.0006
%RSD	6.022	.0220	1.177	2.929	8.033	2.182	1.212	155.6
#1	.0268	.2428	.2784	.0202	-.0086	.0375	.0265	.0008
#2	.0247	.2429	.2831	.0211	-.0096	.0387	.0260	.0000

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**34.56**	**6.914**	**266.5**	**11.38**	**4.942**	**.4584**	**.0129**	**.0060**
Stddev	.09	.000	1.4	.00	.043	.0025	.0003	.0000
%RSD	.2637	.0063	.5379	.0247	.8732	.5462	2.493	.6209
#1	34.50	6.914	267.5	11.38	4.911	.4566	.0132	.0061
#2	34.63	6.915	265.4	11.38	4.973	.4601	.0127	.0060

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0105**	**4.464**	**.0201**	**.0552**	**1.622**	**.0181**	**.0394**	**.0600**
Stddev	.0005	.021	.0002	.0002	.000	.0009	.0002	.0042
%RSD	4.694	.4813	.7551	.3783	.0182	5.081	.5029	6.942
#1	-.0109	4.449	.0200	.0551	1.622	.0174	.0395	.0629
#2	-.0102	4.479	.0202	.0554	1.622	.0187	.0393	.0570

Elem	Bi2230	Li6707
Avg	**.0090**	**.0401**
Stddev	.0005	.0003
%RSD	5.506	.6614
#1	.0087	.0399
#2	.0094	.0403

Zoom In Zoom Out

Sample Name: jb67848-1 Acquired: 5/29/2014 6:49:37 Type: Unk
Method: Accutest1(v77) 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	**170560.**	**37109.**	**2270.8**	**6493.9**
Stddev	977.	21.	9.2	26.1
%RSD	.57287	.05764	.40400	.40178
#1	171250.	37124.	2277.2	6512.4
#2	169870.	37094.	2264.3	6475.5

Zoom In Zoom Out

Sample Name: jb66453-10r Acquired: 5/29/2014 6:55:45 Type: Unk
Method: Accutest1(v77) 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	**.0652**	**.0022**	**.0022**	**.0461**	**.0900**	**.1862**	**.2686**	**.0535**
Stddev	.0002	.0000	.0000	.0003	.0026	.0040	.0070	.0004
%RSD	.3138	.4320	1.736	.5534	2.917	2.130	2.604	.7543
#1	.0650	.0022	.0022	.0463	.0918	.1890	.2735	.0533
#2	.0653	.0022	.0022	.0459	.0881	.1834	.2636	.0538

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0213**	**.1566**	**.3837**	**.0199**	F **-.0101**	**.0355**	**.0197**	**-.0015**
Stddev	.0018	.0044	.0001	.0005	.0008	.0004	.0013	.0009
%RSD	8.457	2.785	.0154	2.657	8.369	1.096	6.506	59.77
#1	.0200	.1597	.3837	.0195	-.0095	.0358	.0207	-.0009
#2	.0226	.1535	.3837	.0203	-.0107	.0353	.0188	-.0022

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**20.29**	**.6943**	**207.7**	**.5296**	**2.283**	**.1858**	**.0027**	**.0109**
Stddev	.08	.0047	.2	.0073	.040	.0017	.0003	.0001
%RSD	.3727	.6705	.0751	1.381	1.756	.9235	10.99	1.096
#1	20.24	.6910	207.6	.5347	2.255	.1846	.0025	.0108
#2	20.35	.6976	207.8	.5244	2.312	.1870	.0029	.0110

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0067**	**3.955**	**.0155**	**.0078**	**.5472**	**.0133**	**.1017**	**.5337**
Stddev	.0005	.002	.0008	.0000	.0138	.0002	.0029	.0025
%RSD	6.842	.0472	4.940	.3616	2.526	1.163	2.877	.4705
#1	-.0070	3.957	.0161	.0078	.5569	.0134	.1037	.5355
#2	-.0064	3.954	.0150	.0077	.5374	.0132	.0996	.5319

Elem	Bi2230	Li6707
Avg	**.0011**	**.0045**
Stddev	.0010	.0000
%RSD	91.18	.5904
#1	.0017	.0045
#2	.0004	.0045

Zoom In Zoom Out

Sample Name: jb66453-10r Acquired: 5/29/2014 6:55:45 Type: Unk
Method: Accutest1(v77) 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	**181970.**	**38276.**	**2335.6**	**6525.0**
Stddev	3792.	206.	2.6	2.8
%RSD	2.0838	.53926	.11054	.04219
#1	179290.	38422.	2333.8	6523.0
#2	184650.	38130.	2337.5	6526.9

Zoom In Zoom Out

Sample Name: jb66453-11r Acquired: 5/29/2014 7:01:48 Type: Unk
Method: Accutest1(v77) 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	**.0330**	**.0025**	**.0016**	**.0473**	**.1113**	**.1276**	**.2845**	**.1253**
Stddev	.0007	.0000	.0003	.0009	.0004	.0002	.0015	.0019
%RSD	2.184	.2521	18.04	1.897	.3822	.1395	.5243	1.540
#1	.0335	.0025	.0014	.0466	.1110	.1275	.2835	.1239
#2	.0325	.0025	.0018	.0479	.1116	.1277	.2856	.1267

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0166**	**.1179**	**.6419**	**.0689**	F **-.0096**	**.0596**	**.0142**	**-.0028**
Stddev	.0036	.0007	.0099	.0009	.0013	.0013	.0024	.0002
%RSD	21.40	.6100	1.541	1.236	13.84	2.252	17.04	7.130
#1	.0192	.1174	.6349	.0683	-.0087	.0586	.0159	-.0030
#2	.0141	.1184	.6489	.0695	-.0106	.0605	.0125	-.0027

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**15.11**	**1.074**	**179.9**	**.4566**	**3.403**	**.2474**	**.0046**	**.0032**
Stddev	.28	.019	4.7	.0136	.054	.0058	.0001	.0001
%RSD	1.881	1.754	2.618	2.982	1.579	2.344	3.107	3.657
#1	15.31	1.088	183.2	.4662	3.441	.2515	.0045	.0033
#2	14.90	1.061	176.6	.4469	3.365	.2433	.0047	.0031

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0118**	**3.223**	**.0137**	**.0060**	**.9487**	**.0121**	**.1030**	**.1172**
Stddev	.0001	.033	.0007	.0001	.0036	.0003	.0006	.0016
%RSD	.8335	1.034	5.417	.9875	.3847	2.201	.6190	1.362
#1	-.0118	3.199	.0132	.0061	.9462	.0123	.1026	.1184
#2	-.0119	3.246	.0142	.0060	.9513	.0119	.1035	.1161

Elem	Bi2230	Li6707
Avg	**-.0033**	**.0022**
Stddev	.0008	.0002
%RSD	25.01	9.966
#1	-.0039	.0024
#2	-.0028	.0021

Zoom In Zoom Out

Sample Name: jb66453-11r Acquired: 5/29/2014 7:01:48 Type: Unk
Method: Accutest1(v77) 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	**192140.**	**41691.**	**2554.8**	**6498.6**
Stddev	1292.	590.	30.7	101.0
%RSD	.67229	1.4151	1.2009	1.5547
#1	193060.	41274.	2576.5	6570.0
#2	191230.	42108.	2533.1	6427.2

Zoom In Zoom Out

Sample Name: mp79733-lc1 2 Acquired: 5/29/2014 7:07:57 Type: Unk
Method: Accutest1(v77) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: due today

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5025**	**.5164**	**.5015**	**.4652**	**.5053**	**.4607**	**.5188**	**.4978**	**.1897**
Stddev	.0015	.0007	.0002	.0014	.0028	.0013	.0015	.0010	.0001
%RSD	.2905	.1349	.0315	.2972	.5460	.2760	.2808	.1944	.0490
#1	.5014	.5169	.5016	.4643	.5034	.4616	.5177	.4971	.1897
#2	.5035	.5159	.5014	.4662	.5073	.4598	.5198	.4985	.1896

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4838**	**.5402**	**.4893**	**.5088**	**.4918**	**.5136**	**.4727**	**4.768**	**5.586**
Stddev	.0007	.0018	.0015	.0018	.0014	.0010	.0001	.000	.020
%RSD	.1485	.3298	.3094	.3543	.2801	.1856	.0296	.0028	.3592
#1	.4833	.5390	.4904	.5075	.4908	.5129	.4728	4.768	5.600
#2	.4843	.5415	.4883	.5101	.4928	.5143	.4726	4.768	5.572

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.594**	**5.431**	**9.811**	**9.802**	**-.0013**	**.4978**	**-.0025**	**.0031**	**.0000**
Stddev	.010	.021	.013	.035	.0001	.0008	.0004	.0003	.000
%RSD	.1715	.3797	.1346	.3573	4.883	.1681	17.80	8.215	9266.
#1	5.601	5.446	9.801	9.777	-.0012	.4972	-.0028	.0033	.0001
#2	5.587	5.416	9.820	9.827	-.0013	.4984	-.0022	.0029	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4993**	**.0113**	**.0056**	**.0009**	**-.0021**	**.0018**
Stddev	.0000	.0007	.0002	.0005	.0014	.0003	.0003
%RSD	10.22	.1335	1.413	8.408	153.7	15.78	15.20
#1	-.0002	.4989	.0114	.0059	.0019	-.0019	.0020
#2	-.0002	.4998	.0111	.0052	-.0001	-.0024	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169320.**	**35866.**	**2212.2**	**6493.5**
Stddev	27.	38.	9.4	15.5
%RSD	.01615	.10570	.42605	.23879
#1	169300.	35839.	2205.5	6482.5
#2	169330.	35893.	2218.9	6504.5

Zoom In Zoom Out

Sample Name: mp79733-mb1 2 Acquired: 5/29/2014 7:13:50 Type: Unk
Method: Accutest1(v77) 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	**.0003**	**.0000**	**.0001**	**-.0002**	**.0000**	**.0005**	**.0001**	**-.0008**
Stddev	.0000	.0000	.0000	.0000	.000	.0003	.0000	.0000
%RSD	4.213	125.0	15.11	6.636	889.9	67.67	29.71	4.399
#1	.0004	.0000	.0001	-.0002	.0000	.0003	.0001	-.0008
#2	.0003	.0000	.0001	-.0001	.0000	.0007	.0001	-.0009

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0003**	**-.0002**	**.0052**	**-.0012**	**-.0004**	**-.0005**	**-.0011**	**-.0009**
Stddev	.0002	.0002	.0002	.0002	.0003	.0002	.0015	.0003
%RSD	56.83	89.38	3.808	15.80	61.34	37.71	138.9	32.93
#1	.0004	-.0001	.0053	-.0014	-.0006	-.0006	-.0021	-.0011
#2	.0002	-.0004	.0050	-.0011	-.0002	-.0004	.0000	-.0007

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0208**	**.0342**	**-.0053**	**-.0208**	**-.0136**	**.0510**	**.0007**	**.0005**
Stddev	.0078	.0018	.0006	.0045	.0062	.0026	.0009	.0000
%RSD	37.73	5.223	11.18	21.63	45.69	5.128	129.6	6.783
#1	-.0263	.0329	-.0057	-.0240	-.0092	.0492	.0001	.0005
#2	-.0152	.0354	-.0049	-.0177	-.0180	.0529	.0013	.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0003**	**.0065**	**.0008**	**.0000**	**.0003**	**.0026**	**.0002**	**.0037**
Stddev	.0002	.0001	.0003	.000	.0003	.0005	.0000	.0015
%RSD	69.33	1.390	31.14	624.2	85.38	19.85	16.31	41.53
#1	-.0004	.0066	.0007	.0000	.0001	.0023	.0002	.0048
#2	-.0001	.0064	.0010	.0000	.0005	.0030	.0001	.0026

Elem	Bi2230	Li6707
Avg	**.0000**	**.0005**
Stddev	.0003	.0004
%RSD	1746.	80.87
#1	-.0002	.0007
#2	.0002	.0002

Zoom In Zoom Out

Sample Name: mp79733-mb1 2 Acquired: 5/29/2014 7:13:50 Type: Unk
Method: Accutest1(v77) 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	**176000.**	**35099.**	**2242.1**	**6650.1**
Stddev	2175.	1220.	6.4	29.2
%RSD	1.2360	3.4765	.28563	.43942
#1	177530.	35961.	2246.6	6670.8
#2	174460.	34236.	2237.6	6629.4

Zoom In Zoom Out

Sample Name: jb67818-21 Acquired: 5/29/2014 7:19:55 Type: Unk
Method: Accutest1(v77) 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	**.0004**	**.0000**	**.0001**	**.0000**	**.0001**	**.0007**	**.0001**	**-.0008**
Stddev	.0001	.000	.0001	.0001	.0001	.0002	.0000	.0003
%RSD	14.01	103.4	55.70	161.3	77.48	31.53	20.98	36.52
#1	.0003	.0000	.0001	.0000	.0000	.0008	.0001	-.0010
#2	.0004	.0000	.0001	.0001	.0001	.0005	.0001	-.0006

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**-.0003**	**.0005**	**-.0007**	**.0000**	**.0003**	**.0004**	**.0001**
Stddev	.0003	.0002	.0001	.0007	.001	.0008	.0007	.0000
%RSD	336.2	45.12	19.20	100.1	7739.	251.9	169.0	17.11
#1	.0003	-.0005	.0004	-.0013	-.0007	.0008	.0009	.0001
#2	-.0001	-.0002	.0005	-.0002	.0007	-.0002	-.0001	.0001

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	W **-.0263**	**-.0106**	**-.0071**	**-.0280**	**.0219**	**-.0002**	**.0005**	**.0004**
Stddev	.0005	.0000	.0003	.0002	.0124	.0009	.0006	.0002
%RSD	1.774	.0011	4.035	.7037	56.82	483.0	112.8	43.19
#1	-.0266	-.0106	-.0073	-.0278	.0131	-.0008	.0009	.0005
#2	-.0259	-.0106	-.0069	-.0281	.0306	.0005	.0001	.0003

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0005**	**.0048**	**.0003**	**.0000**	**.0001**	**.0031**	**.0001**	**.0028**
Stddev	.0001	.0015	.0003	.0000	.0001	.0010	.0001	.0003
%RSD	17.66	31.23	122.8	2220.	73.92	31.61	86.01	9.280
#1	.0004	.0059	.0005	.0000	.0002	.0037	.0002	.0027
#2	.0005	.0038	.0000	.0000	.0000	.0024	.0001	.0030

Elem	Bi2230	Li6707
Avg	**.0006**	**.0000**
Stddev	.0004	.000
%RSD	65.90	620.9
#1	.0003	.0001
#2	.0009	-.0001

Zoom In Zoom Out

Sample Name: jb67818-21 Acquired: 5/29/2014 7:19:55 Type: Unk
Method: Accutest1(v77) 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	**171360.**	**36861.**	**2269.2**	**6720.5**
Stddev	1830.	123.	58.4	177.5
%RSD	1.0678	.33446	2.5726	2.6406
#1	170070.	36773.	2227.9	6595.0
#2	172660.	36948.	2310.5	6846.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 7:26:01 Type: QC
Method: Accutest1(v77) 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	**2.002**	**2.081**	**2.059**	**1.967**	**2.069**	**1.982**	**2.139**	**2.048**	**.2559**
Stddev	.006	.008	.006	.004	.017	.015	.015	.006	.0023
%RSD	.3180	.3811	.3138	.2189	.8309	.7627	.7080	.2977	.8973
#1	1.997	2.075	2.054	1.964	2.057	1.971	2.128	2.043	.2542
#2	2.006	2.087	2.063	1.970	2.081	1.993	2.150	2.052	.2575
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	**2.047**	**2.069**	**2.012**	**2.077**	**2.024**	**2.021**	**1.963**	**38.58**	**40.73**
Stddev	.018	.007	.010	.002	.004	.007	.011	.14	.12
%RSD	.8586	.3176	.5192	.0849	.1905	.3643	.5702	.3727	.2859
#1	2.035	2.065	2.005	2.078	2.021	2.016	1.955	38.47	40.65
#2	2.060	2.074	2.019	2.076	2.027	2.026	1.971	38.68	40.82
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	**40.10**	**40.28**	**39.50**	**39.12**	**2.008**	**2.039**	**2.000**	**5.022**	**2.077**
Stddev	.15	.13	.09	.13	.003	.008	.015	.017	.007
%RSD	.3621	.3268	.2358	.3271	.1650	.3824	.7577	.3450	.3199
#1	39.99	40.19	39.43	39.03	2.006	2.034	1.989	5.010	2.072
#2	40.20	40.37	39.56	39.21	2.011	2.045	2.010	5.035	2.082
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: 5/29/2014 7:26:01 Type: QC
Method: Accutest1(v77) 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	**2.027**	**2.058**	**2.097**	**2.017**	**1.948**	**2.029**	**1.908**
Stddev	.005	.012	.026	.012	.001	.005	.008
%RSD	.2413	.5786	1.255	.5707	.0314	.2296	.4267
#1	2.023	2.049	2.078	2.009	1.948	2.026	1.902
#2	2.030	2.066	2.115	2.026	1.947	2.032	1.914
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	**158720.**	**35311.**	**2147.6**	**6080.1**
Stddev	1021.	125.	6.1	15.7
%RSD	.64340	.35374	.28203	.25744
#1	159440.	35399.	2151.9	6091.2
#2	158000.	35223.	2143.4	6069.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 7:31:52 Type: QC
Method: Accutest1(v77) 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**	**.0003**	**.0005**	**.0003**	**.0002**	**.0005**	**.0004**	**-.0003**
Stddev	.0000	.0000	.0000	.0001	.0000	.0003	.0001	.0002
%RSD	3.003	.3564	10.30	52.83	5.671	56.29	18.65	67.05
#1	.0004	.0003	.0004	.0002	.0002	.0007	.0004	-.0001
#2	.0004	.0003	.0005	.0003	.0002	.0003	.0003	-.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**	**.0000**	**-.0009**	**.0001**	**.0005**	**-.0005**	**-.0016**	**-.0007**
Stddev	.0001	.0001	.0002	.0011	.0008	.0001	.0025	.0009
%RSD	98.02	390.4	17.75	953.3	165.9	15.16	155.1	127.3
#1	.0002	-.0001	-.0010	.0009	.0010	-.0005	-.0034	-.0001
#2	.0000	.0001	-.0008	-.0007	-.0001	-.0004	.0002	-.0013
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	**-.0207**	**-.0080**	**-.0051**	**-.0280**	**.0135**	**.0166**	**.0020**	**.0018**
Stddev	.0021	.0009	.0008	.0040	.0021	.0007	.0004	.0001
%RSD	10.34	10.68	15.97	14.29	15.85	4.129	21.44	4.810
#1	-.0192	-.0086	-.0045	-.0309	.0120	.0161	.0017	.0019
#2	-.0223	-.0074	-.0056	-.0252	.0150	.0171	.0023	.0017
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: 5/29/2014 7:31:52 Type: QC
Method: Accutest1(v77) 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	**.0005**	**.0049**	**.0008**	**.0003**	**.0005**	**.0245**	W **.0013**	**.0028**
Stddev	.0000	.0007	.0004	.0000	.0000	.0019	.0000	.0003
%RSD	3.160	13.43	48.33	3.391	2.857	7.821	1.993	10.80
#1	.0005	.0044	.0005	.0003	.0005	.0258	.0014	.0030
#2	.0005	.0053	.0011	.0003	.0006	.0231	.0013	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0011	
Low Limit							-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0017**	**.0005**
Stddev	.0001	.0002
%RSD	5.076	29.76
#1	.0018	.0007
#2	.0017	.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	**175280.**	**36124.**	**2261.9**	**6643.0**
Stddev	4915.	273.	33.4	94.3
%RSD	2.8041	.75614	1.4746	1.4199
#1	171800.	36317.	2285.5	6709.7
#2	178750.	35931.	2238.3	6576.3

Zoom In Zoom Out

Sample Name: mp79733-b1 Acquired: 5/29/2014 7:37:58 Type: Unk
Method: Accutest1(v77) 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	**2.096**	**.0555**	**.0525**	**.4964**	**.2125**	**.2438**	**.5419**	**.5264**	**.0521**
Stddev	.006	.0002	.0002	.0002	.0003	.0007	.0001	.0007	.0002
%RSD	.2888	.3447	.3494	.0326	.1366	.2968	.0181	.1314	.3824
#1	2.092	.0553	.0526	.4965	.2127	.2433	.5420	.5269	.0522
#2	2.100	.0556	.0524	.4963	.2123	.2443	.5418	.5259	.0520

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5122**	**.5660**	**2.060**	**2.101**	**.5135**	**2.172**	**.4977**	**2.026**	**25.17**
Stddev	.0007	.0004	.006	.009	.0018	.012	.0009	.018	.11
%RSD	.1421	.0644	.3036	.4322	.3474	.5530	.1820	.9015	.4333
#1	.5127	.5663	2.064	2.107	.5122	2.180	.4983	2.013	25.09
#2	.5117	.5658	2.055	2.094	.5148	2.163	.4970	2.039	25.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.089**	**25.60**	**25.08**	**24.94**	**2.017**	**2.101**	**1.964**	**1.930**	**2.093**
Stddev	.006	.14	.14	.12	.007	.008	.000	.007	.004
%RSD	.5363	.5349	.5684	.4771	.3613	.3910	.0196	.3582	.1808
#1	1.085	25.50	24.98	24.85	2.022	2.107	1.964	1.935	2.096
#2	1.093	25.69	25.18	25.02	2.012	2.095	1.965	1.925	2.091

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.065**	**2.010**	**.0192**	**.0038**	**-.0058**	**.0001**	**.0010**
Stddev	.007	.000	.0013	.0003	.0003	.0001	.0001
%RSD	.3462	.0027	6.918	9.088	4.575	53.68	14.47
#1	2.060	2.010	.0202	.0041	-.0060	.0002	.0009
#2	2.070	2.010	.0183	.0036	-.0056	.0001	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164860.**	**35658.**	**2159.5**	**6257.0**
Stddev	433.	127.	4.7	4.2
%RSD	.26262	.35679	.21726	.06790
#1	165170.	35748.	2156.2	6254.0
#2	164560.	35568.	2162.8	6260.0

Zoom In Zoom Out

Sample Name: cri Acquired: 5/29/2014 7:43:47 Type: QC
Method: Accutest1(v77) 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	**.2059**	**.0023**	**.0034**	**.0501**	**.0108**	**.0104**	**.0166**	**.0102**	**.0054**
Stddev	.0007	.0000	.0000	.0003	.0002	.0002	.0000	.0002	.0000
%RSD	.3479	.7802	.9309	.5625	1.435	1.874	.1914	2.300	.3804
#1	.2054	.0023	.0033	.0499	.0110	.0103	.0166	.0100	.0054
#2	.2064	.0023	.0034	.0503	.0107	.0105	.0166	.0103	.0054
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	**.0528**	**.0223**	**.0095**	**.0115**	**.0036**	**.0103**	**.0053**	**.1803**	**5.178**
Stddev	.0001	.0003	.0011	.0001	.0004	.0011	.0015	.0036	.005
%RSD	.2016	1.365	11.62	.7387	11.09	10.29	28.17	2.014	.0892
#1	.0529	.0221	.0087	.0116	.0038	.0095	.0042	.1829	5.174
#2	.0527	.0226	.0103	.0115	.0033	.0110	.0064	.1778	5.181
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	**.0962**	**5.238**	**5.035**	**4.954**	**.1055**	**.0225**	**.0539**	**.2076**	**.0109**
Stddev	.0001	.007	.029	.031	.0008	.0002	.0002	.0009	.0009
%RSD	.0604	.1267	.5840	.6173	.7681	1.084	.3421	.4433	8.529
#1	.0962	5.234	5.014	4.933	.1061	.0227	.0540	.2070	.0116
#2	.0963	5.243	5.056	4.976	.1050	.0223	.0537	.2083	.0103
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: 5/29/2014 7:43:47 Type: QC
Method: Accutest1(v77) 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**	**.0111**	**.0539**	**.0095**	**.0490**	**.0231**	**.0216**
Stddev	.0000	.0000	.0008	.0001	.0034	.0005	.0000
%RSD	.1595	.0874	1.469	.7836	6.892	2.299	.1447
#1	.0109	.0111	.0545	.0095	.0514	.0228	.0216
#2	.0109	.0111	.0533	.0096	.0466	.0235	.0216
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	**168520.**	**35925.**	**2227.6**	**6514.7**
Stddev	219.	96.	.1	10.1
%RSD	.13000	.26753	.00308	.15518
#1	168670.	35993.	2227.6	6521.9
#2	168360.	35857.	2227.5	6507.6

Zoom In Zoom Out

Sample Name: crid Acquired: 5/29/2014 7:49:48 Type: QC
Method: Accutest1(v77) 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**	**.0011**	**.0029**	**.0022**	W **.0024**	**.0033**	**.0034**
Stddev	.0000	.0000	.0000	.0001	.0000	.0000	.0000	.0001
%RSD	.8128	3.031	1.443	3.470	1.132	.3926	.5320	3.728
#1	.0042	.0011	.0011	.0028	.0022	.0024	.0034	.0035
#2	.0043	.0010	.0011	.0029	.0022	.0024	.0033	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value						.0020		
Range						20.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0017**	W **.0127**	**.0030**	**.0024**	W **.0018**	**.0049**	W **.0023**
Stddev	.0002	.0002	.0002	.0001	.0007	.0003	.0002	.0002
%RSD	20.94	11.05	1.935	2.482	28.51	14.57	3.364	6.834
#1	.0013	.0016	.0125	.0030	.0028	.0020	.0047	.0022
#2	.0010	.0018	.0128	.0029	.0019	.0017	.0050	.0024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
Value			.0100			.0025		.0030
Range			20.00%			-20.00%		-20.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0741**	**1.025**	**-.0102**	**.0826**	**1.990**	**.9856**	**.0117**	**.0006**
Stddev	.0006	.012	.0000	.0067	.016	.0145	.0000	.0000
%RSD	.7878	1.180	.3661	8.098	.7852	1.475	.1103	1.048
#1	.0737	1.034	-.0102	.0874	2.001	.9959	.0117	.0006
#2	.0745	1.017	-.0101	.0779	1.979	.9753	.0116	.0006
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000							
Range	-20.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 5/29/2014 7:49:48 Type: QC
Method: Accutest1(v77) 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**	**-.0023**	**.0001**	**.0001**	**.0003**	F **.0059**	F **.0002**	**.0036**
Stddev	.0004	.0006	.0010	.0000	.0002	.0000	.0000	.0011
%RSD	145.5	24.52	696.7	66.70	55.43	.0541	12.63	31.75
#1	.0000	-.0026	-.0005	.0000	.0004	.0059	.0002	.0044
#2	.0006	-.0019	.0008	.0001	.0002	.0059	.0002	.0028
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0015**	F **.0001**
Stddev	.0007	.0002
%RSD	45.73	147.4
#1	.0010	.0000
#2	.0020	.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	**172870.**	**36535.**	**2256.1**	**6610.0**
Stddev	499.	261.	20.8	63.1
%RSD	.28888	.71491	.92049	.95515
#1	173220.	36350.	2270.7	6654.6
#2	172510.	36720.	2241.4	6565.3

Zoom In Zoom Out

Sample Name: cria Acquired: 5/29/2014 7:55:54 Type: QC
Method: Accutest1(v77) 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**	**.0007**	**.0001**	**-.0005**	**.0003**
Stddev	.0000	.0000	.0000	.0000	.000	.0002	.0000	.0000	.0002
%RSD	7.040	205.5	39.45	23.66	468.2	21.96	22.99	5.440	52.59
#1	.0001	.0000	-.0001	.0001	.0001	.0008	.0001	-.0005	.0004
#2	.0001	.0000	-.0001	.0001	-.0002	.0006	.0001	-.0005	.0002
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	**-.0002**	**.0010**	**.0200**	**.0006**	**.0202**	**.0194**	**.0188**	**.4556**	**-.0074**
Stddev	.0000	.0001	.0005	.0013	.0006	.0006	.0008	.0045	.0007
%RSD	12.18	8.928	2.359	199.7	3.139	3.249	4.461	.9823	9.671
#1	-.0002	.0010	.0204	.0016	.0198	.0190	.0182	.4524	-.0079
#2	-.0003	.0009	.0197	-.0003	.0207	.0199	.0194	.4588	-.0069
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	**.5079**	**-.0287**	**.0062**	**.0045**	**.0007**	**.0003**	**-.0005**	**-.0040**	**.0003**
Stddev	.0015	.0025	.0118	.0011	.0002	.0002	.0003	.0006	.0002
%RSD	.2896	8.612	189.6	23.90	29.69	63.80	70.25	15.52	63.33
#1	.5069	-.0305	.0146	.0038	.0006	.0001	-.0002	-.0045	.0002
#2	.5090	-.0270	-.0021	.0053	.0009	.0004	-.0007	-.0036	.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/29/2014 7:55:54 Type: QC
Method: Accutest1(v77) 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**	**.0049**	**.0000**	**.0049**	**.0024**	**.0002**
Stddev	.000	.0000	.0008	.0000	.0002	.0000	.0001
%RSD	104.5	8.422	17.01	205.1	3.456	1.866	71.08
#1	.0000	.0002	.0043	.0000	.0048	.0024	.0002
#2	.0000	.0002	.0055	.0000	.0050	.0024	.0001
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	**170590.**	**36208.**	**2260.8**	**6645.8**
Stddev	2791.	23.	20.2	52.9
%RSD	1.6363	.06456	.89564	.79542
#1	168620.	36192.	2275.1	6683.1
#2	172570.	36225.	2246.5	6608.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 8:02:01 Type: QC
Method: Accutest1(v77) 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	**1.983**	**2.055**	**2.031**	**1.924**	**2.030**	**1.941**	**2.104**	**2.015**	**.2514**
Stddev	.005	.006	.027	.025	.012	.002	.013	.028	.0003
%RSD	.2397	.2854	1.337	1.296	.5883	.1257	.6026	1.375	.1139
#1	1.986	2.059	2.012	1.907	2.038	1.940	2.113	1.995	.2512
#2	1.979	2.050	2.051	1.942	2.021	1.943	2.095	2.035	.2516
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**	**2.035**	**1.982**	**2.022**	**1.984**	**1.992**	**1.931**	**38.08**	**39.99**
Stddev	.007	.026	.029	.028	.024	.025	.021	.09	.16
%RSD	.3663	1.257	1.443	1.395	1.207	1.258	1.064	.2312	.3956
#1	2.014	2.017	1.961	2.002	1.967	1.974	1.916	38.14	40.11
#2	2.004	2.053	2.002	2.042	2.001	2.010	1.946	38.02	39.88
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	**39.48**	**39.58**	**39.06**	**38.74**	**1.976**	**2.010**	**1.960**	**4.945**	**2.046**
Stddev	.11	.11	.03	.02	.026	.027	.003	.057	.026
%RSD	.2882	.2758	.0680	.0485	1.309	1.325	.1605	1.161	1.274
#1	39.56	39.66	39.08	38.75	1.958	1.991	1.958	4.905	2.028
#2	39.40	39.50	39.04	38.73	1.994	2.029	1.962	4.986	2.064
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: 5/29/2014 8:02:01 Type: QC
Method: Accutest1(v77) 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	**2.006**	**2.025**	**2.081**	**1.983**	**1.899**	**2.009**	**1.891**
Stddev	.007	.011	.046	.010	.032	.025	.002
%RSD	.3433	.5251	2.215	.5081	1.707	1.262	.1147
#1	2.011	2.033	2.048	1.991	1.876	1.991	1.893
#2	2.001	2.018	2.113	1.976	1.922	2.027	1.890
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	**161130.**	**35749.**	**2164.6**	**6133.5**
Stddev	853.	19.	26.9	76.3
%RSD	.52932	.05227	1.2425	1.2438
#1	160530.	35735.	2183.6	6187.4
#2	161730.	35762.	2145.5	6079.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 8:07:52 Type: QC
Method: Accutest1(v77) 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	**.0005**	**.0003**	**.0004**	**.0004**	**.0001**	**.0007**	**.0004**	**-.0001**
Stddev	.0000	.0000	.0002	.0000	.0000	.0000	.0000	.0002
%RSD	2.084	11.47	44.82	5.205	15.28	4.539	4.903	126.4
#1	.0005	.0004	.0003	.0004	.0001	.0007	.0004	-.0002
#2	.0005	.0003	.0006	.0005	.0001	.0007	.0004	.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	**.0001**	**.0001**	**-.0011**	**.0004**	**.0007**	**-.0001**	**-.0016**	**-.0013**
Stddev	.0001	.0001	.0004	.0002	.0003	.0002	.0013	.0002
%RSD	76.75	174.0	32.06	54.99	40.01	186.2	78.33	14.28
#1	.0000	.0001	-.0014	.0003	.0009	-.0002	-.0025	-.0015
#2	.0001	.0000	-.0009	.0006	.0005	.0000	-.0007	-.0012
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	**-.0171**	**-.0066**	**-.0045**	**-.0265**	**.0144**	**.0129**	**.0021**	**.0018**
Stddev	.0016	.0025	.0003	.0077	.0140	.0003	.0001	.0001
%RSD	9.118	37.53	6.266	28.95	97.17	2.680	4.616	5.310
#1	-.0160	-.0048	-.0043	-.0320	.0242	.0127	.0021	.0019
#2	-.0182	-.0083	-.0047	-.0211	.0045	.0132	.0022	.0018
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: 5/29/2014 8:07:52 Type: QC
Method: Accutest1(v77) 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	**.0005**	**.0047**	**.0008**	**.0003**	**.0002**	**.0255**	W **.0013**	**.0014**
Stddev	.0005	.0013	.0008	.0000	.0000	.0027	.0000	.0022
%RSD	91.12	27.47	100.3	8.745	21.30	10.60	1.205	156.7
#1	.0008	.0038	.0002	.0003	.0002	.0274	.0013	.0030
#2	.0002	.0056	.0013	.0003	.0003	.0236	.0013	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0011	
Low Limit							-.0011	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0022**	**.0009**
Stddev	.0007	.0003
%RSD	30.68	31.52
#1	.0017	.0011
#2	.0027	.0007
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	**171930.**	**35869.**	**2259.1**	**6656.0**
Stddev	359.	449.	36.0	106.6
%RSD	.20908	1.2510	1.5925	1.6010
#1	172190.	35552.	2284.5	6731.4
#2	171680.	36187.	2233.7	6580.7

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}	☒	13	V	0.000049	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}	☒	13	As	0.005000	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}	☒	10	Fe	0.000006	0.000000	No
				Cr	-0.000100	0.000000	No
				Mo	-0.001800	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}	☒	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	☒	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}	☒	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}	☒	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}	☒	14	Mn	0.000211	0.000000	No
				Mo	-0.000098	0.000000	No
				Ti	-0.000830	0.000000	No
				Fe	-0.000490	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}	☒	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}	☒	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}	☒	23	Al	0.000003	0.000000	No
				Fe	0.000002	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	0.000090	0.000000	No
				Mo	0.000040	0.000000	No
				Cr	0.000550	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}	☒	29	Cr	0.000221	0.000000	No
				Mo	-0.006200	0.000000	No
				Al	-0.000002	0.000000	No
				Fe	-0.000092	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				V	-0.034000	0.000000	No
				Mn	0.000900	0.000000	No
				Ca	-0.000013	0.000000	No
				Ti	-0.003200	0.000000	No
				Mg	-0.000002	0.000000	No
				Co	0.003472	0.000000	No
				Sr	0.000000	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	0.000010	0.000000	No
				Ag	0.000250	0.000000	No
				Be	0.000000	0.000000	No
				Sn	-0.000023	0.000000	No
				K	0.000100	0.000000	No
				Cd	-0.000240	0.000000	No
				Si	0.001283	0.000000	No
				Na	-0.000008	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000095	0.000000	No
				Fe	0.000055	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000033	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002850	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	0.000000	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}	☒	22	Al	0.000000	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	0.000223	0.000000	No
				Mo	-0.000119	0.000000	No
				Fe	-0.000325	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	0.090000	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}	☒	14	Fe	0.000015	0.000000	No
				Al	0.000006	0.000000	No
				Ca	-0.000001	0.000000	No
				Ni	-0.000856	0.000000	No
				Cr	0.013200	0.000000	No
				V	-0.001830	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}	☒	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}	☒	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}	☒	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}	☒	3	Mo	-0.016250	0.000000	No
				W	0.000000	0.000000	No
				Mn	-0.005360	0.000000	No
	K 766.490 { 44}	☒	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}	☒	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	Mo	0.039950	0.000000	No
	Mo 202.030 {467}	☒	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}	☒	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
				Zr	-0.006000	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
	Si 212.412 {459}	☒	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}	☒	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}	☒	2	Fe	0.000000	0.000000	No
				Ca	0.000047	0.000000	No
	Ti 334.904 {101}	☒	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}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Y 224.306 {451}*	☒	None				
	In 230.606 {446}*	☒	None				
	W 207.911 {462}	☒	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}	☒	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}	☒	6	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
	Bi 223.061 {451}	☒	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	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}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000382	1.496115	0.000000	1.000000
	Be 313.042 {108}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000009	2.855507	0.000000	1.000000
	Cd 228.802 {448}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.001019	1.119727	0.000000	1.000000
	Co 228.616 {448}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000449	0.434356	0.000000	1.000000
	Cr 267.716 {126}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000007	0.073736	0.000000	1.000000
	Cu 324.754 {104}2	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.004201	0.248547	0.000000	1.000000
	Mn 257.610 {131}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000064	0.392606	0.000000	1.000000
	Ni 231.604 {446}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.001111	0.331825	0.000000	1.000000
	Ag 328.068 {103}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000054	0.121916	0.000000	1.000000
	V 292.402 {115}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000061	0.131015	0.000000	1.000000
	Zn 206.200 {464}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000016	0.828065	0.000000	1.000000
	As 189.042 {478}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000370	0.166562	0.000000	1.000000
	Tl 190.856 {477}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000389	0.045801	0.000000	1.000000
	Pb 220.353 {453}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000256	0.142004	0.000000	1.000000
	Se 196.090 {472}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000220	0.104670	0.000000	1.000000
	Sb 206.833 {463}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000525	0.250225	0.000000	1.000000
	Al 396.152 { 85}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000619	0.026183	0.000000	1.000000
	Ca 317.933 {106}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.007208	0.062374	0.000000	1.000000
	Fe 259.940 {130}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000676	0.043911	0.000000	1.000000
	Mg 279.079 {121}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000066	0.005949	0.000000	1.000000
	K 766.490 { 44}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.001924	0.016120	0.000000	1.000000
	Na 589.592 { 57}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000373	0.063522	0.000000	1.000000
	B 208.959 {462}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000628	0.264789	0.000000	1.000000
	Mo 202.030 {467}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000847	1.039734	0.000000	1.000000
	Pd 340.458 { 99}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000092	0.050005	0.000000	1.000000
	Si 212.412 {459}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.009277	0.303338	0.000000	1.000000
	Sn 189.989 {478}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000378	0.186518	0.000000	1.000000
	Sr 407.771 { 83}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000505	2.624659	0.000000	1.000000
	Ti 334.904 {101}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000179	0.127751	0.000000	1.000000
	Y 360.073 { 94}*	10/25/2013 12:00:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	9/12/2013 9:42:19	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	4/16/2014 11:15:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	1/2/2014 9:54:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.002323	0.430303	0.000000	1.000000
	Zr 339.198 { 99}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.000058	0.268649	0.000000	1.000000
	S 182.034 {485}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.003018	0.063429	0.000000	1.000000
	Bi 223.061 {451}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	-0.003461	0.351315	0.000000	1.000000
	Li 670.784 { 50}	5/28/2014 9:36:49	5/28/2014 9:36:49	Linear	1/Conc	0.000806	0.530908	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	0.000144	0.000480	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000036	0.000119	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000178	0.000594	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000253	0.000844	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000303	0.001009	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000222	0.000741	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000048	0.000161	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000303	0.001011	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000365	0.001217	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000224	0.000748	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000209	0.000698	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000946	0.003155	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001265	0.004217	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001028	0.003425	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001892	0.006308	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.000977	0.003255	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.006494	0.021645	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.001818	0.006061	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.001338	0.004459	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.012811	0.042703	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.022505	0.075018	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.005080	0.016933	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000593	0.001976	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000206	0.000687	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000824	0.002745	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000793	0.002644	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000743	0.002477	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000057	0.000191	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000323	0.001075	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	0.001000	0.003332	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000145	0.000484	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002732	0.009106	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000955	0.003183	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000636	0.002119	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 5/29/2014 18:53:28 Type: Cal
Method: Accutest1(v179) 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	**.0050**	**.0012**	**.0015**	**.0000**	**-.0001**	**.0032**	**-.0000**	**.0002**	**-.0003**
Stddev	.0003	.0001	.0001	.0001	.0000	.0001	.0000	.0001	.0000
%RSD	6.332	10.20	6.363	502.3	1.735	1.613	49.21	81.71	18.45
#1	.0053	.0013	.0015	-.0001	-.0001	.0032	-.0000	.0001	-.0002
#2	.0048	.0011	.0016	.0001	-.0001	.0031	-.0000	.0003	-.0003

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**	**.0005**	**-.0003**	**-.0001**	**.0003**	**.0009**	**-.0007**	**.0010**	**.0073**
Stddev	.0001	.0001	.0001	.0001	.0000	.0000	.0000	.0014	.0003
%RSD	679.1	15.86	27.56	60.75	17.96	3.773	6.808	142.8	3.449
#1	-.0000	.0005	-.0002	-.0001	.0002	.0008	-.0007	-.0000	.0075
#2	.0001	.0006	-.0004	-.0002	.0003	.0009	-.0007	.0020	.0071

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	**.0006**	**-.0001**	**-.0098**	**.0094**	**.0015**	**.0009**	**-.0005**	**.0081**	**.0001**
Stddev	.0001	.0003	.0020	.0003	.0001	.0000	.0001	.0001	.0000
%RSD	13.05	473.8	20.80	2.868	8.012	4.534	21.27	.6582	43.41
#1	.0005	-.0002	-.0084	.0096	.0014	.0009	-.0005	.0081	.0001
#2	.0006	.0001	-.0112	.0092	.0016	.0010	-.0004	.0081	.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	**-.0017**	**-.0002**	**.0038**	**-.0003**	**.0047**	**-.0002**	**-.0009**
Stddev	.0002	.0000	.0004	.0001	.0001	.0005	.0007
%RSD	10.06	16.11	10.33	32.42	2.922	234.0	76.48
#1	-.0016	-.0002	.0035	-.0002	.0046	-.0006	-.0004
#2	-.0018	-.0002	.0041	-.0004	.0048	.0001	-.0014

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 5/29/2014 18:53:28 Type: Cal
Method: Accutest1(v179) 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	**30741.**	**5512.8**	**959.38**	**2137.0**
Stddev	38.	3.5	2.65	3.3
%RSD	.12474	.06380	.27649	.15325
#1	30714.	5510.3	957.51	2134.7
#2	30768.	5515.3	961.26	2139.3

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 5/29/2014 18:59:35 Type: Cal
Method: Accutest1(v179) 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	**19.88**	**20.78**	**9.416**	**4.517**	**.7102**	**1.765**	**3.616**	**3.021**	**.1125**
Stddev	.05	.01	.096	.046	.0006	.006	.010	.030	.0001
%RSD	.2598	.0555	1.024	1.012	.0819	.3554	.2852	1.008	.0876
#1	19.84	20.79	9.484	4.549	.7098	1.761	3.609	3.043	.1125
#2	19.92	20.78	9.348	4.485	.7106	1.770	3.623	3.000	.1124

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	**.9016**	**8.793**	**.9209**	**.4389**	**1.210**	**.7039**	**1.704**	**8.408**	**9.346**
Stddev	.0026	.111	.0103	.0041	.010	.0061	.014	.016	.014
%RSD	.2892	1.263	1.114	.9417	.8612	.8618	.8451	.1941	.1532
#1	.8997	8.871	.9282	.4418	1.218	.7082	1.714	8.396	9.336
#2	.9034	8.714	.9137	.4360	1.203	.6996	1.694	8.419	9.356

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	**8.551**	**1.103**	**8.352**	**26.90**	**2.264**	**8.006**	**.3462**	**5.955**	**1.389**
Stddev	.004	.001	.018	.04	.022	.085	.0014	.062	.016
%RSD	.0437	.0917	.2103	.1438	.9551	1.062	.3976	1.045	1.151
#1	8.548	1.102	8.340	26.93	2.280	8.066	.3453	5.999	1.400
#2	8.554	1.103	8.365	26.88	2.249	7.946	.3472	5.911	1.377

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	**37.47**	**1.030**	**3.395**	**2.175**	**.4782**	**2.267**	**11.36**
Stddev	.09	.002	.024	.007	.0052	.021	.03
%RSD	.2329	.2268	.6915	.3115	1.098	.9369	.2219
#1	37.40	1.028	3.411	2.170	.4819	2.282	11.34
#2	37.53	1.031	3.378	2.180	.4745	2.252	11.37

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 5/29/2014 18:59:35 Type: Cal
Method: Accutest1(v179) 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	**27929.**	**5412.4**	**862.53**	**1824.0**
Stddev	50.	11.4	6.87	11.2
%RSD	.17892	.20992	.79622	.61531
#1	27964.	5420.5	857.68	1816.1
#2	27893.	5404.4	867.39	1832.0

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 5/29/2014 19:05:27 Type: QC
Method: Accutest1(v179) 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	**1.987**	**2.016**	**1.969**	**2.007**	**2.021**	**1.938**	**2.037**	**2.048**	**.2454**
Stddev	.001	.001	.007	.003	.006	.003	.001	.001	.0001
%RSD	.0504	.0487	.3656	.1521	.3011	.1507	.0271	.0227	.0537
#1	1.988	2.016	1.964	2.005	2.025	1.936	2.038	2.048	.2453
#2	1.986	2.015	1.974	2.010	2.017	1.940	2.037	2.048	.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	**2.039**	**2.024**	**1.954**	**2.090**	**2.053**	**1.964**	**1.962**	**40.10**	**40.73**
Stddev	.001	.005	.008	.004	.002	.002	.010	.03	.05
%RSD	.0643	.2629	.4182	.1971	.1103	.0985	.5150	.0839	.1200
#1	2.040	2.020	1.948	2.087	2.051	1.963	1.954	40.12	40.77
#2	2.038	2.028	1.960	2.093	2.055	1.966	1.969	40.08	40.70
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	**40.91**	**40.35**	**40.02**	**40.52**	**2.001**	**2.004**	**1.965**	**4.995**	**2.028**
Stddev	.05	.13	.03	.12	.011	.007	.001	.022	.005
%RSD	.1343	.3238	.0718	.2873	.5271	.3346	.0551	.4390	.2544
#1	40.88	40.26	40.00	40.44	1.994	1.999	1.964	4.980	2.024
#2	40.95	40.44	40.04	40.60	2.009	2.009	1.966	5.011	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: ccvconf Acquired: 5/29/2014 19:05:27 Type: QC
Method: Accutest1(v179) 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	**1.993**	**1.995**	**1.968**	**1.989**	**1.937**	**1.974**	**1.968**
Stddev	.001	.004	.013	.002	.000	.009	.001
%RSD	.0708	.1994	.6792	.1048	.0071	.4745	.0489
#1	1.992	1.998	1.958	1.987	1.937	1.967	1.968
#2	1.994	1.992	1.977	1.990	1.937	1.980	1.969
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	**28740.**	**5426.7**	**897.82**	**1884.4**
Stddev	47.	5.2	3.29	1.7
%RSD	.16515	.09555	.36640	.08815
#1	28706.	5430.3	900.15	1885.6
#2	28773.	5423.0	895.50	1883.2

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 5/29/2014 19:11:21 Type: QC
Method: Accutest1(v179) 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**	**.0001**	**-.0000**	**-.0001**	**.0003**	**.0000**	**.0003**	**.0004**
Stddev	.0001	.0001	.0001	.0003	.0003	.0003	.0000	.0003
%RSD	22.69	58.51	387.1	463.8	96.93	2865.	6.525	67.07
#1	.0005	.0002	.0000	.0001	.0001	-.0002	.0003	.0006
#2	.0003	.0001	-.0001	-.0003	.0006	.0002	.0003	.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	**-.0002**	**.0002**	**.0002**	**.0002**	**-.0004**	**-.0003**	**.0004**	**-.0002**
Stddev	.0001	.0000	.0001	.0015	.0003	.0002	.0020	.0003
%RSD	51.41	17.66	47.98	785.2	66.35	65.37	493.0	115.0
#1	-.0003	.0003	.0001	-.0008	-.0002	-.0004	.0018	-.0004
#2	-.0001	.0002	.0002	.0012	-.0006	-.0001	-.0010	-.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	**-.0003**	**.0034**	**.0025**	**-.0017**	**.0059**	**.0098**	**.0013**	**.0017**
Stddev	.0046	.0015	.0001	.0131	.0067	.0070	.0002	.0002
%RSD	1400.	43.59	3.843	779.2	114.5	71.31	13.13	10.95
#1	-.0036	.0044	.0024	-.0109	.0107	.0147	.0014	.0018
#2	.0029	.0023	.0025	.0076	.0011	.0049	.0012	.0016
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: 5/29/2014 19:11:21 Type: QC
Method: Accutest1(v179) 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**	**.0021**	**.0010**	**.0002**	**.0001**	W **.0253**	W **.0014**	**-.0014**
Stddev	.0013	.0000	.0010	.0000	.0002	.0026	.0003	.0009
%RSD	160.1	1.636	100.1	10.55	486.5	10.14	20.65	61.59
#1	-.0001	.0021	.0003	.0001	.0002	.0271	.0016	-.0008
#2	.0017	.0020	.0018	.0002	-.0001	.0235	.0012	-.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**.0011**
Stddev	.0006	.0001
%RSD	222.8	6.792
#1	.0001	.0012
#2	-.0006	.0010
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	**30188.**	**5473.6**	**950.98**	**2115.3**
Stddev	203.	126.5	4.84	10.3
%RSD	.67379	2.3105	.50895	.48728
#1	30045.	5384.2	947.56	2108.0
#2	30332.	5563.0	954.40	2122.6

Zoom In Zoom Out

Sample Name: icv Acquired: 5/29/2014 19:17:34 Type: QC
Method: Accutest1(v179) 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	**1.987**	**2.023**	**1.954**	**1.990**	**2.067**	**1.976**	**2.086**	**2.032**	**.2491**
Stddev	.012	.010	.011	.011	.018	.020	.013	.008	.0021
%RSD	.6174	.4936	.5594	.5724	.8754	.9896	.6164	.4096	.8541
#1	1.978	2.016	1.946	1.982	2.055	1.962	2.077	2.026	.2476
#2	1.996	2.030	1.962	1.998	2.080	1.989	2.095	2.038	.2506
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	**2.088**	**2.011**	**1.942**	**2.075**	**2.038**	**1.948**	**1.947**	**40.23**	**40.92**
Stddev	.017	.010	.008	.012	.010	.014	.008	.26	.15
%RSD	.8005	.4929	.4325	.5543	.5055	.7257	.4225	.6367	.3713
#1	2.076	2.004	1.936	2.066	2.031	1.938	1.941	40.05	40.81
#2	2.100	2.018	1.948	2.083	2.045	1.958	1.953	40.41	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	**41.10**	**40.41**	**40.17**	**40.78**	**1.992**	**1.992**	**2.003**	**4.967**	**2.010**
Stddev	.19	.22	.18	.18	.011	.011	.019	.031	.011
%RSD	.4582	.5504	.4515	.4317	.5496	.5739	.9591	.6253	.5314
#1	40.97	40.25	40.04	40.66	1.984	1.984	1.990	4.945	2.003
#2	41.23	40.57	40.30	40.91	1.999	2.000	2.017	4.989	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: icv Acquired: 5/29/2014 19:17:34 Type: QC
Method: Accutest1(v179) 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	**1.995**	**2.037**	**1.940**	**2.031**	**1.923**	**1.961**	**1.968**
Stddev	.013	.023	.020	.019	.012	.011	.020
%RSD	.6253	1.137	1.017	.9312	.6303	.5486	1.014
#1	1.986	2.020	1.926	2.018	1.914	1.953	1.954
#2	2.003	2.053	1.954	2.044	1.932	1.968	1.982
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	**28165.**	**5408.2**	**901.80**	**1896.3**
Stddev	270.	3.4	5.55	11.1
%RSD	.95845	.06264	.61498	.58487
#1	28356.	5410.6	905.72	1904.1
#2	27974.	5405.8	897.88	1888.4

Zoom In Zoom Out

Sample Name: icb Acquired: 5/29/2014 19:23:28 Type: QC
Method: Accutest1(v179) 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**	**.0003**	**.0001**	**.0003**	**.0008**	**.0002**	**.0004**	**.0003**
Stddev	.0004	.0001	.0000	.0001	.0004	.0002	.0000	.0001
%RSD	87.19	23.97	27.52	31.33	44.19	104.4	1.090	35.76
#1	.0002	.0003	.0001	.0004	.0011	.0003	.0004	.0004
#2	.0007	.0004	.0001	.0002	.0006	.0000	.0004	.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	**-.0004**	**.0004**	**.0004**	**.0009**	**.0007**	**-.0002**	**-.0006**	**-.0010**
Stddev	.0001	.0001	.0000	.0008	.0001	.0009	.0009	.0007
%RSD	18.47	19.25	2.902	86.44	9.165	502.8	150.8	63.88
#1	-.0003	.0005	.0003	.0014	.0008	-.0008	-.0012	-.0006
#2	-.0004	.0004	.0004	.0003	.0007	.0005	.0000	-.0015
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	**.0041**	**.0078**	**.0074**	**-.0007**	**.0506**	**.0043**	**.0011**	**.0017**
Stddev	.0037	.0045	.0012	.0032	.0123	.0015	.0001	.0006
%RSD	89.22	57.54	16.67	446.0	24.28	35.08	10.94	33.60
#1	.0067	.0047	.0065	.0015	.0419	.0054	.0010	.0021
#2	.0015	.0110	.0083	-.0029	.0593	.0032	.0012	.0013
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: 5/29/2014 19:23:28 Type: QC
Method: Accutest1(v179) 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**	**.0016**	**.0000**	**.0004**	**-.0001**	W **.0225**	W **.0015**	**-.0018**
Stddev	.0008	.0007	.0008	.0001	.0002	.0025	.0002	.0012
%RSD	136.7	41.90	111900.	23.72	229.7	11.10	12.73	66.87
#1	.0011	.0020	.0005	.0003	.0000	.0243	.0017	-.0026
#2	.0000	.0011	-.0005	.0005	-.0002	.0207	.0014	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**.0018**
Stddev	.0004	.0010
%RSD	290.1	56.55
#1	-.0004	.0025
#2	.0002	.0011
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	**30833.**	**5535.1**	**966.62**	**2147.3**
Stddev	18.	14.8	1.42	5.2
%RSD	.05905	.26661	.14730	.24082
#1	30820.	5545.5	965.62	2143.7
#2	30846.	5524.7	967.63	2151.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 19:29:39 Type: QC
Method: Accutest1(v179) 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	**1.997**	**2.031**	**1.962**	**2.002**	**2.025**	**1.943**	**2.049**	**2.042**	**.2464**
Stddev	.000	.005	.009	.004	.001	.000	.001	.005	.0003
%RSD	.0223	.2492	.4375	.2223	.0323	.0202	.0350	.2277	.1114
#1	1.997	2.035	1.956	1.999	2.024	1.943	2.050	2.039	.2462
#2	1.998	2.028	1.969	2.005	2.025	1.943	2.049	2.046	.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	**2.050**	**2.022**	**1.950**	**2.081**	**2.048**	**1.953**	**1.953**	**40.34**	**40.98**
Stddev	.000	.006	.006	.004	.011	.008	.009	.01	.18
%RSD	.0097	.3046	.3015	.1692	.5540	.4225	.4436	.0238	.4446
#1	2.050	2.018	1.945	2.078	2.040	1.947	1.946	40.34	41.10
#2	2.050	2.027	1.954	2.083	2.056	1.959	1.959	40.33	40.85
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	**41.21**	**40.54**	**40.25**	**41.06**	**1.994**	**1.999**	**1.964**	**4.977**	**2.019**
Stddev	.08	.17	.07	.08	.009	.007	.000	.023	.009
%RSD	.1862	.4282	.1684	.2006	.4382	.3569	.0085	.4543	.4529
#1	41.27	40.66	40.30	41.01	1.988	1.994	1.964	4.961	2.012
#2	41.16	40.42	40.20	41.12	2.000	2.004	1.964	4.993	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: 5/29/2014 19:29:39 Type: QC
Method: Accutest1(v179) 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	**2.004**	**1.997**	**1.944**	**1.995**	**1.930**	**1.966**	**1.977**
Stddev	.001	.002	.014	.001	.000	.008	.002
%RSD	.0644	.0836	.7249	.0526	.0068	.4232	.1152
#1	2.003	1.996	1.934	1.994	1.930	1.960	1.976
#2	2.005	1.998	1.954	1.995	1.930	1.972	1.979
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	**28716.**	**5390.4**	**900.20**	**1891.1**
Stddev	34.	7.9	3.88	5.5
%RSD	.11953	.14723	.43142	.29105
#1	28741.	5384.8	902.95	1895.0
#2	28692.	5396.0	897.46	1887.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 19:35:33 Type: QC
Method: Accutest1(v179) 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**	**.0004**	**.0002**	**.0005**	**.0008**	**.0002**	**.0005**	**.0003**
Stddev	.0001	.0000	.0000	.0002	.0001	.0001	.0001	.0005
%RSD	14.36	10.33	18.51	48.71	14.10	33.25	11.17	130.3
#1	.0005	.0004	.0002	.0006	.0007	.0003	.0005	.0007
#2	.0006	.0004	.0002	.0003	.0009	.0002	.0006	.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**	**.0008**	**.0005**	**-.0002**	**.0005**	**.0003**	**-.0023**	**-.0000**
Stddev	.0007	.0004	.0001	.0003	.0001	.0006	.0000	.0008
%RSD	2287.	48.27	12.56	124.6	21.27	163.4	.6223	3840.
#1	.0004	.0005	.0005	-.0004	.0006	-.0001	-.0023	-.0006
#2	-.0005	.0011	.0005	-.0000	.0005	.0007	-.0024	.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	**.0038**	**.0089**	**.0096**	**.0161**	**.0335**	**.0081**	**.0012**	**.0017**
Stddev	.0116	.0004	.0004	.0052	.0305	.0044	.0003	.0006
%RSD	304.5	5.039	4.429	32.29	91.10	53.92	21.60	37.08
#1	-.0044	.0092	.0099	.0124	.0119	.0050	.0014	.0022
#2	.0120	.0086	.0093	.0198	.0550	.0112	.0010	.0013
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: 5/29/2014 19:35:33 Type: QC
Method: Accutest1(v179) 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**	**.0028**	**.0011**	**.0006**	**.0002**	W **.0245**	W **.0016**	**-.0012**
Stddev	.0011	.0012	.0010	.0000	.0001	.0022	.0000	.0007
%RSD	346.5	44.02	95.23	5.389	34.79	9.076	2.143	53.38
#1	-.0005	.0036	.0018	.0006	.0002	.0261	.0016	-.0008
#2	.0011	.0019	.0004	.0006	.0001	.0230	.0016	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**.0011**
Stddev	.0002	.0005
%RSD	74.11	47.90
#1	-.0001	.0007
#2	-.0004	.0014
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	**30937.**	**5543.7**	**946.99**	**2113.5**
Stddev	52.	7.6	10.60	24.7
%RSD	.16926	.13656	1.1195	1.1669
#1	30974.	5538.3	939.50	2096.0
#2	30900.	5549.0	954.49	2130.9

Zoom In Zoom Out

Sample Name: cri Acquired: 5/29/2014 19:41:44 Type: QC
Method: Accutest1(v179) 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	**.2158**	**.0023**	**.0034**	**.0543**	**.0115**	**.0107**	**.0173**	**.0115**	**.0050**
Stddev	.0044	.0001	.0002	.0002	.0006	.0003	.0003	.0002	.0003
%RSD	2.060	4.006	4.753	.3597	5.025	2.327	1.798	1.439	5.144
#1	.2189	.0024	.0035	.0544	.0119	.0109	.0175	.0114	.0048
#2	.2126	.0023	.0033	.0541	.0111	.0106	.0171	.0116	.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	**.0553**	**.0245**	**.0092**	**.0120**	**.0030**	**.0113**	**.0064**	**.2208**	**5.511**
Stddev	.0006	.0000	.0003	.0003	.0004	.0007	.0017	.0131	.120
%RSD	1.133	.1432	3.686	2.398	11.64	6.143	27.17	5.949	2.170
#1	.0558	.0244	.0094	.0122	.0028	.0118	.0052	.2301	5.595
#2	.0549	.0245	.0089	.0118	.0033	.0108	.0076	.2115	5.426
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	**.1136**	**5.603**	**5.384**	**5.451**	**.1092**	**.0224**	**.0579**	**.2129**	**.0114**
Stddev	.0002	.108	.098	.102	.0001	.0003	.0003	.0008	.0002
%RSD	.1520	1.935	1.823	1.862	.1337	1.357	.5856	.3737	1.559
#1	.1137	5.680	5.454	5.523	.1091	.0226	.0582	.2124	.0112
#2	.1135	5.527	5.315	5.380	.1093	.0222	.0577	.2135	.0115
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: 5/29/2014 19:41:44 Type: QC
Method: Accutest1(v179) 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	**.0113**	**.0112**	F **.0751**	**.0129**	**.0512**	**.0220**	**.0235**
Stddev	.0002	.0007	.0004	.0001	.0007	.0006	.0005
%RSD	1.998	5.851	.4688	.4393	1.326	2.690	1.928
#1	.0114	.0117	.0753	.0130	.0507	.0224	.0239
#2	.0111	.0108	.0748	.0129	.0517	.0216	.0232
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0500				
Range			30.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**29909.**	**5427.8**	**937.91**	**2050.8**
Stddev	324.	101.1	3.71	6.3
%RSD	1.0827	1.8635	.39589	.30574
#1	29680.	5356.2	940.54	2055.2
#2	30138.	5499.3	935.29	2046.4

Zoom In Zoom Out

Sample Name: crid Acquired: 5/29/2014 19:47:52 Type: QC
Method: Accutest1(v179) 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	**.0044**	**.0010**	**.0010**	**.0034**	F **.0027**	**.0018**	**.0034**	**.0048**
Stddev	.0001	.0000	.0002	.0001	.0002	.0003	.0000	.0001
%RSD	3.411	4.834	16.30	1.699	8.960	16.11	.4594	1.759
#1	.0043	.0010	.0009	.0033	.0029	.0016	.0034	.0048
#2	.0045	.0010	.0011	.0034	.0025	.0020	.0035	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.0020			
Range					30.00%			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0006**	**.0024**	**.0124**	**.0033**	**.0023**	**.0029**	F **.0029**	**.0026**
Stddev	.0001	.0004	.0001	.0005	.0011	.0004	.0007	.0004
%RSD	16.30	17.51	.6209	14.84	49.75	12.30	24.35	17.54
#1	.0006	.0021	.0124	.0029	.0030	.0026	.0024	.0022
#2	.0005	.0027	.0125	.0036	.0015	.0031	.0034	.0029
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	.0010						.0050	
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	**.1097**	**1.108**	**.0004**	**.0981**	**2.183**	**1.107**	**.0108**	**.0002**
Stddev	.0128	.006	.0036	.0037	.029	.005	.0001	.0001
%RSD	11.64	.5315	957.2	3.753	1.332	.4741	.9545	54.15
#1	.1007	1.112	.0030	.0955	2.204	1.111	.0108	.0003
#2	.1187	1.103	-.0022	.1007	2.163	1.103	.0107	.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: 5/29/2014 19:47:52 Type: QC
Method: Accutest1(v179) 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	**-.0000**	**-.0016**	**-.0001**	**.0000**	**-.0002**	F **.0075**	F **.0003**	F **-.0028**
Stddev	.0008	.0002	.0001	.0000	.0001	.0001	.0001	.0012
%RSD	5143.	14.69	155.4	72.79	25.50	.9994	44.26	44.51
#1	.0005	-.0018	.0000	.0001	-.0003	.0075	.0004	-.0019
#2	-.0006	-.0015	-.0002	.0000	-.0002	.0074	.0002	-.0036
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 **.0006**
Stddev	.0002	.0001
%RSD	69.78	22.65
#1	-.0004	.0005
#2	-.0001	.0007
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	**30524.**	**5466.7**	**949.33**	**2102.0**
Stddev	5.	40.9	.87	2.0
%RSD	.01663	.74884	.09204	.09506
#1	30528.	5437.8	948.72	2103.4
#2	30521.	5495.7	949.95	2100.6

Zoom In Zoom Out

Sample Name: cria Acquired: 5/29/2014 19:54:03 Type: QC
Method: Accutest1(v179) 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**	**-.0002**	**.0001**	**.0005**	**-.0001**	**.0001**	**.0002**	**-.0005**
Stddev	.0002	.0000	.0001	.0001	.0001	.0002	.0000	.0001	.0009
%RSD	100.8	20.07	76.66	181.6	17.33	170.0	12.14	35.16	182.2
#1	.0004	-.0001	-.0002	.0001	.0006	-.0002	.0001	.0001	.0001
#2	.0001	-.0001	-.0001	-.0000	.0005	.0000	.0000	.0002	-.0011
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**	**.0026**	**.0194**	**.0003**	**.0219**	**.0197**	**.0197**	**.5240**	**.0306**
Stddev	.0002	.0002	.0002	.0007	.0001	.0010	.0003	.0060	.0038
%RSD	1313.	5.776	.9366	275.4	.4184	4.996	1.595	1.143	12.47
#1	.0002	.0027	.0193	-.0002	.0218	.0203	.0195	.5283	.0279
#2	-.0001	.0025	.0196	.0008	.0220	.0190	.0200	.5198	.0333
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	**.5588**	**-.0068**	**.0130**	**-.0004**	**-.0003**	**.0002**	**.0002**	**-.0026**	**.0003**
Stddev	.0044	.0026	.0266	.0040	.0002	.0002	.0011	.0009	.0013
%RSD	.7858	38.58	204.5	939.8	69.40	101.2	648.7	34.62	421.7
#1	.5619	-.0086	.0318	.0024	-.0002	.0003	.0010	-.0033	-.0006
#2	.5557	-.0049	-.0058	-.0033	-.0005	.0001	-.0006	-.0020	.0012
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/29/2014 19:54:03 Type: QC
Method: Accutest1(v179) 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**	**-.0004**	**.0050**	**.0003**	**.0001**	**.0002**	**.0009**
Stddev	.0001	.0001	.0007	.0002	.0012	.0001	.0006
%RSD	441.5	28.16	13.48	45.83	1453.	55.30	75.54
#1	-.0000	-.0005	.0045	.0005	-.0008	.0001	.0013
#2	.0001	-.0003	.0054	.0002	.0010	.0003	.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	**30714.**	**5495.9**	**956.63**	**2121.7**
Stddev	2.	30.6	2.28	3.0
%RSD	.00524	.55747	.23868	.14205
#1	30713.	5474.2	958.24	2123.8
#2	30715.	5517.6	955.01	2119.5

Zoom In Zoom Out

Sample Name: crid Acquired: 5/29/2014 20:00:14 Type: QC
Method: Accutest1(v179) 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**	**.0008**	**.0033**	F **.0030**	**.0024**	**.0036**	**.0045**
Stddev	.0001	.0001	.0001	.0001	.0000	.0004	.0001	.0001
%RSD	1.214	7.213	8.062	2.206	.8269	15.05	4.115	3.047
#1	.0042	.0011	.0007	.0032	.0030	.0021	.0035	.0046
#2	.0041	.0012	.0008	.0033	.0030	.0026	.0037	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.0020			
Range					30.00%			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0024**	**.0124**	**.0022**	**.0019**	**.0028**	F **.0027**	**.0031**
Stddev	.0003	.0000	.0000	.0007	.0001	.0003	.0003	.0016
%RSD	31.88	1.294	.1215	32.73	6.363	12.04	10.33	52.89
#1	.0008	.0024	.0124	.0017	.0018	.0026	.0025	.0019
#2	.0012	.0024	.0124	.0027	.0020	.0031	.0029	.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.0050	
Range							-30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1018**	**1.082**	**-.0005**	**.1112**	**2.108**	**1.078**	**.0108**	**-.0001**
Stddev	.0022	.017	.0005	.0146	.017	.021	.0001	.0001
%RSD	2.145	1.587	104.7	13.14	.7907	1.897	1.067	78.28
#1	.1002	1.094	-.0008	.1215	2.120	1.092	.0109	-.0002
#2	.1033	1.070	-.0001	.1008	2.096	1.063	.0107	-.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: 5/29/2014 20:00:14 Type: QC
Method: Accutest1(v179) 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**	**-.0016**	**.0004**	**.0000**	**-.0002**	**.0037**	F **.0003**	F **-.0021**
Stddev	.0006	.0003	.0002	.0000	.0000	.0001	.0001	.0002
%RSD	79.96	20.38	56.26	1.321	1.946	1.567	32.39	11.73
#1	.0012	-.0018	.0002	.0000	-.0002	.0037	.0004	-.0019
#2	.0003	-.0013	.0006	.0000	-.0002	.0036	.0002	-.0022
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 **.0003**	F **.0000**
Stddev	.0005	.0002
%RSD	158.2	452.4
#1	.0007	-.0001
#2	-.0000	.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	**29402.**	**5593.1**	**944.21**	**2092.6**
Stddev	868.	70.3	1.49	6.4
%RSD	2.9533	1.2569	.15758	.30387
#1	30016.	5543.4	945.26	2097.1
#2	28788.	5642.9	943.15	2088.1

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/29/2014 20:06:23 Type: QC
Method: Accutest1(v179) 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	**-.0013**	**-.0000**	**.0006**	**.0003**	**.0010**	**-.0058**	**.0088**	**.0020**	**.0049**
Stddev	.0002	.0000	.0001	.0000	.0000	.0005	.0005	.0001	.0067
%RSD	13.32	150.8	8.164	2.124	1.032	9.488	5.361	3.492	135.6
#1	-.0011	.0000	.0006	.0003	.0010	-.0062	.0085	.0020	.0002
#2	-.0014	-.0000	.0006	.0003	.0010	-.0054	.0092	.0021	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0029**	**-.0010**	**.0028**	**.0012**	**.0059**	**.0108**	**532.5**	**406.9**
Stddev	.0001	.0002	.0011	.0007	.0005	.0006	.0005	9.9	9.8
%RSD	6.666	7.791	118.8	25.68	45.64	10.95	4.413	1.866	2.415
#1	-.0015	.0031	-.0018	.0023	.0008	.0054	.0111	525.5	399.9
#2	-.0016	.0028	-.0002	.0033	.0015	.0064	.0104	539.5	413.8
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	**204.6**	**549.5**	**.2352**	**.0331**	**-.0004**	**-.0011**	**-.0039**	**-.0043**	**-.0022**
Stddev	4.2	13.0	.0050	.0036	.0006	.0000	.0013	.0002	.0011
%RSD	2.051	2.373	2.142	10.83	142.7	.4548	33.35	4.078	51.54
#1	201.6	540.2	.2388	.0357	.0000	-.0011	-.0049	-.0044	-.0014
#2	207.6	558.7	.2316	.0306	-.0008	-.0011	-.0030	-.0042	-.0030
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: 5/29/2014 20:06:23 Type: QC
Method: Accutest1(v179) 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**	**.0006**	**.0072**	**.0052**	**-.0404**	**-.0130**	**.0051**
Stddev	.0002	.0000	.0008	.0007	.0007	.0017	.0001
%RSD	2.958	1.747	11.36	14.24	1.770	13.34	1.025
#1	-.0059	.0006	.0078	.0046	-.0409	-.0118	.0051
#2	-.0062	.0006	.0066	.0057	-.0399	-.0142	.0052
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	**26235.**	**5056.8**	**819.72**	**1696.6**
Stddev	1005.	106.5	2.95	7.1
%RSD	3.8312	2.1062	.35978	.41928
#1	25525.	5132.1	821.81	1701.7
#2	26946.	4981.4	817.64	1691.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 5/29/2014 20:12:34 Type: QC
Method: Accutest1(v179) 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	**.5343**	**.5201**	**1.020**	**.4765**	**.4864**	**.5301**	**.5080**	**.9629**	**1.042**
Stddev	.0021	.0022	.004	.0041	.0026	.0023	.0028	.0080	.001
%RSD	.3984	.4162	.3901	.8520	.5344	.4391	.5458	.8358	.1317
#1	.5328	.5186	1.017	.4736	.4882	.5284	.5099	.9572	1.041
#2	.5358	.5217	1.023	.4793	.4846	.5317	.5060	.9686	1.043
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	**.4707**	**.9627**	**1.124**	**.9389**	**.9496**	**1.044**	**1.046**	**529.2**	**405.6**
Stddev	.0014	.0058	.005	.0076	.0073	.004	.002	8.3	2.2
%RSD	.2876	.5993	.4503	.8089	.7708	.3390	.2048	1.573	.5312
#1	.4717	.9586	1.120	.9336	.9444	1.041	1.044	523.3	404.1
#2	.4697	.9668	1.127	.9443	.9548	1.046	1.047	535.0	407.1
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	**200.9**	**539.3**	**.1906**	**.0423**	**.0015**	**.4936**	**.5445**	**-.0003**	**-.0023**
Stddev	.8	2.5	.0128	.0007	.0011	.0028	.0034	.0048	.0008
%RSD	.3860	.4607	6.708	1.611	73.08	.5743	.6185	1570.	35.04
#1	200.4	537.6	.1996	.0419	.0023	.4916	.5422	-.0037	-.0028
#2	201.5	541.1	.1815	.0428	.0007	.4956	.5469	.0031	-.0017
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 5/29/2014 20:12:34 Type: QC
Method: Accutest1(v179) 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	**-.0061**	**.0009**	**.5218**	**.5318**	**.4457**	**.5038**	**.5659**
Stddev	.0001	.0002	.0028	.0018	.0101	.0037	.0015
%RSD	1.734	18.20	.5421	.3418	2.262	.7366	.2603
#1	-.0060	.0008	.5198	.5330	.4386	.5012	.5649
#2	-.0061	.0010	.5238	.5305	.4528	.5064	.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	**26115.**	**5063.5**	**819.63**	**1703.1**
Stddev	33.	21.1	3.54	10.1
%RSD	.12497	.41686	.43142	.59371
#1	26092.	5078.4	822.13	1710.3
#2	26138.	5048.6	817.13	1696.0

Zoom In Zoom Out

Sample Name: feconf Acquired: 5/29/2014 20:18:36 Type: Unk
Method: Accutest1(v179) 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**	**-.0006**	**-.0009**	**.0018**	**-.0007**	**.0077**	**.0025**	**.0013**
Stddev	.0003	.0000	.0001	.0003	.0003	.0004	.0001	.0001	.0003
%RSD	90.45	30.16	19.93	29.13	15.36	51.67	.8023	5.072	25.37
#1	.0001	.0001	-.0007	-.0011	.0016	-.0010	.0077	.0026	.0015
#2	.0005	.0001	-.0005	-.0007	.0020	-.0005	.0076	.0024	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0013**	**.0024**	**-.0027**	**.0005**	**-.0008**	**.0042**	**.0053**	**.1621**	**.1547**
Stddev	.0002	.0000	.0012	.0002	.0001	.0031	.0011	.0115	.0137
%RSD	16.55	.2094	46.46	37.63	12.23	73.66	21.56	7.083	8.889
#1	-.0015	.0024	-.0018	.0004	-.0007	.0064	.0061	.1702	.1644
#2	-.0012	.0024	-.0036	.0007	-.0009	.0020	.0045	.1539	.1450

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**217.4**	**.1887**	**.0653**	**.0093**	**-.0022**	**.0009**	**.0019**	**.0086**	**-.0023**
Stddev	.0	.0125	.0087	.0002	.0002	.0001	.0007	.0001	.0004
%RSD	.0214	6.598	13.31	2.232	10.38	11.29	37.06	.9047	15.55
#1	217.5	.1975	.0714	.0091	-.0023	.0010	.0024	.0086	-.0021
#2	217.4	.1799	.0592	.0094	-.0020	.0008	.0014	.0087	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**.0087**	**.0082**	**-.0051**	**.0026**	**.0008**
Stddev	.0001	.0000	.0005	.0002	.0008	.0005	.0005
%RSD	473.7	13.15	6.197	2.115	16.70	20.00	58.14
#1	.0000	-.0003	.0091	.0083	-.0057	.0022	.0012
#2	-.0000	-.0003	.0083	.0081	-.0045	.0029	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**29968.**	**5561.2**	**934.75**	**2140.2**
Stddev	77.	1.1	.16	1.3
%RSD	.25535	.01899	.01669	.06295
#1	30022.	5560.4	934.86	2141.1
#2	29914.	5561.9	934.64	2139.2

Zoom In Zoom Out

Sample Name: crconf Acquired: 5/29/2014 20:24:48 Type: Unk
Method: Accutest1(v179) 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	**.0007**	**.0001**	**-.0004**	**.0000**	**11.27**	**-.0002**	**.0004**	**.0002**	**.0007**
Stddev	.0002	.0001	.0002	.0000	.19	.0001	.0000	.0001	.0003
%RSD	29.53	125.7	44.26	74.66	1.665	33.96	10.37	27.59	36.27
#1	.0005	.0000	-.0002	.0000	11.14	-.0001	.0004	.0002	.0005
#2	.0008	.0001	-.0005	.0000	11.40	-.0002	.0004	.0003	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0009**	**.0035**	**.0389**	**-.0000**	**-.0003**	**.0029**	**.0030**	**.0568**	**.0727**
Stddev	.0006	.0000	.0005	.0015	.0003	.0009	.0024	.0005	.0005
%RSD	66.45	1.228	1.191	21910.	106.4	30.15	81.09	.8238	.6854
#1	-.0005	.0035	.0392	.0011	-.0001	.0035	.0047	.0565	.0731
#2	-.0013	.0035	.0385	-.0011	-.0004	.0023	.0013	.0571	.0724

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0569**	**.0544**	**.0051**	**.0134**	**.0002**	**.0008**	**-.0002**	**.0098**	**.0006**
Stddev	.0032	.0101	.0227	.0033	.0002	.0001	.0002	.0000	.0013
%RSD	5.566	18.50	441.0	24.21	101.1	16.76	105.4	.0271	228.7
#1	.0591	.0615	.0212	.0111	.0004	.0009	-.0003	.0098	.0015
#2	.0546	.0472	-.0109	.0157	.0001	.0007	-.0000	.0098	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0087**	**-.0013**	**.0039**	**-.0042**	**.0009**
Stddev	.0001	.0001	.0000	.0003	.0005	.0000	.0002
%RSD	68.34	28.92	.3334	22.40	13.18	.3108	23.72
#1	.0001	.0005	.0087	-.0011	.0035	-.0042	.0010
#2	.0000	.0003	.0087	-.0015	.0042	-.0042	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**30757.**	**5803.7**	**919.17**	**2119.3**
Stddev	442.	492.3	1.98	3.6
%RSD	1.4356	8.4820	.21501	.17192
#1	31069.	6151.8	920.57	2121.9
#2	30445.	5455.6	917.77	2116.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 20:30:59 Type: QC
Method: Accutest1(v179) 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	**1.987**	**2.016**	**1.965**	**2.002**	**2.032**	**1.941**	**2.046**	**2.036**	**.2457**
Stddev	.001	.002	.002	.004	.001	.005	.009	.004	.0002
%RSD	.0264	.1163	.1160	.2043	.0512	.2631	.4494	.1957	.0852
#1	1.986	2.018	1.967	2.005	2.032	1.945	2.053	2.039	.2459
#2	1.987	2.014	1.963	1.999	2.033	1.938	2.040	2.033	.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	**2.037**	**2.020**	**1.946**	**2.083**	**2.055**	**1.949**	**1.953**	**40.15**	**40.86**
Stddev	.006	.005	.003	.004	.006	.004	.000	.04	.11
%RSD	.2921	.2312	.1757	.2057	.2957	.1934	.0195	.1063	.2689
#1	2.041	2.023	1.949	2.086	2.060	1.952	1.954	40.12	40.94
#2	2.032	2.017	1.944	2.080	2.051	1.947	1.953	40.18	40.78
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	**40.97**	**40.50**	**39.95**	**40.67**	**1.990**	**1.991**	**1.969**	**4.963**	**2.025**
Stddev	.04	.16	.05	.03	.001	.002	.001	.009	.001
%RSD	.0863	.4060	.1284	.0730	.0244	.1219	.0684	.1731	.0685
#1	41.00	40.62	39.98	40.65	1.990	1.992	1.968	4.969	2.026
#2	40.95	40.39	39.91	40.69	1.989	1.989	1.970	4.957	2.024
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: 5/29/2014 20:30:59 Type: QC
Method: Accutest1(v179) 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	**1.993**	**2.003**	**1.926**	**1.992**	**1.923**	**1.956**	**1.965**
Stddev	.001	.000	.008	.003	.001	.004	.006
%RSD	.0640	.0210	.4047	.1657	.0387	.1992	.3286
#1	1.992	2.003	1.920	1.995	1.923	1.959	1.960
#2	1.993	2.002	1.931	1.990	1.924	1.953	1.969
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	**28708.**	**5429.5**	**905.00**	**1897.0**
Stddev	4.	8.4	2.37	3.7
%RSD	.01510	.15382	.26193	.19758
#1	28711.	5423.6	903.32	1894.4
#2	28705.	5435.5	906.67	1899.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 20:36:53 Type: QC
Method: Accutest1(v179) 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**	**.0002**	**.0002**	**.0004**	**.0008**	**.0001**	**.0004**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0001	.0002	.0000	.0004
%RSD	22.61	17.43	89.49	13.85	15.05	158.7	3.022	111.1
#1	.0003	.0002	.0003	.0005	.0008	-.0000	.0004	.0001
#2	.0004	.0002	.0001	.0004	.0009	.0003	.0004	.0006
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**	**.0006**	**.0002**	**.0000**	**.0002**	**-.0001**	**-.0001**	**.0000**
Stddev	.0001	.0003	.0002	.0006	.0019	.0004	.0010	.0006
%RSD	32.45	51.84	106.3	3487.	754.4	427.1	1695.	1463.
#1	-.0003	.0004	.0003	.0004	.0016	.0002	-.0008	.0005
#2	-.0002	.0009	.0000	-.0004	-.0011	-.0004	.0006	-.0004
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	**.0040**	**.0055**	**.0060**	**-.0021**	**.0276**	**.0027**	**.0008**	**.0014**
Stddev	.0098	.0049	.0006	.0080	.0018	.0017	.0003	.0004
%RSD	245.1	88.52	9.366	375.6	6.385	64.58	31.06	28.34
#1	-.0029	.0021	.0056	-.0078	.0288	.0014	.0010	.0017
#2	.0109	.0089	.0064	.0035	.0263	.0039	.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: 5/29/2014 20:36:53 Type: QC
Method: Accutest1(v179) 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**	**.0005**	**.0002**	**.0001**	W **.0170**	**.0011**	**-.0017**
Stddev	.0002	.0002	.0005	.0000	.0001	.0016	.0000	.0033
%RSD	135.7	6.625	108.0	3.063	181.0	9.134	3.280	193.9
#1	.0000	.0022	.0008	.0002	.0002	.0181	.0011	-.0040
#2	.0003	.0024	.0001	.0002	-.0000	.0159	.0011	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						.0159		
Low Limit						-.0159		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**.0015**
Stddev	.0000	.0000
%RSD	14.24	1.788
#1	-.0001	.0015
#2	-.0001	.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	**30907.**	**5628.2**	**962.48**	**2136.2**
Stddev	33.	53.1	4.63	3.4
%RSD	.10832	.94421	.48110	.15759
#1	30884.	5665.8	959.21	2133.8
#2	30931.	5590.7	965.76	2138.5

Zoom In Zoom Out

Sample Name: mp79733-mb1conf Acquired: 5/29/2014 20:43:03 Type: Unk
Method: Accutest1(v179) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2ndcal

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0000**	**-.0002**	**-.0001**	**.0006**	**-.0002**	**.0003**	**.0002**	**-.0004**
Stddev	.0003	.0000	.0003	.0002	.0001	.0001	.0000	.0003	.0001
%RSD	113.3	176.0	130.0	301.5	21.27	30.57	18.44	194.0	13.90
#1	.0005	-.0000	-.0000	-.0002	.0007	-.0003	.0003	.0004	-.0004
#2	.0001	.0000	-.0004	.0001	.0005	-.0002	.0002	-.0001	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0051**	**-.0006**	**.0007**	**-.0001**	**-.0015**	**.0000**	**.0076**	**.0500**
Stddev	.0004	.0001	.0005	.0006	.0006	.0009	.0002	.0008	.0002
%RSD	211.5	2.087	86.77	91.58	469.4	60.80	713.1	10.84	.3708
#1	.0004	.0050	-.0002	.0002	-.0005	-.0008	.0002	.0081	.0501
#2	-.0001	.0051	-.0009	.0011	.0003	-.0021	-.0001	.0070	.0498

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0095**	**.0005**	**.0134**	**.0450**	**.0004**	**.0002**	**.0004**	**.0081**	**.0008**
Stddev	.0009	.0023	.0037	.0067	.0001	.0003	.0002	.0002	.0001
%RSD	9.148	459.2	27.31	14.90	27.34	145.8	36.39	2.294	9.908
#1	.0089	.0021	.0108	.0497	.0005	-.0000	.0003	.0082	.0009
#2	.0101	-.0011	.0160	.0402	.0003	.0004	.0006	.0079	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0002**	**.0100**	**.0008**	**.0012**	**-.0004**	**.0014**
Stddev	.0000	.0003	.0004	.0000	.0008	.0006	.0000
%RSD	4.662	152.9	3.971	3.870	61.25	162.7	3.608
#1	.0001	-.0005	.0102	.0008	.0007	-.0008	.0014
#2	.0001	.0000	.0097	.0008	.0018	.0001	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**30885.**	**5584.0**	**951.92**	**2114.6**
Stddev	58.	30.2	6.42	18.5
%RSD	.18634	.54016	.67484	.87463
#1	30844.	5605.3	956.47	2127.7
#2	30925.	5562.6	947.38	2101.5

Zoom In Zoom Out

Sample Name: mp79733-lc1conf Acquired: 5/29/2014 20:49:11 Type: Unk
Method: Accutest1(v179) 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	**.5383**	**.5408**	**.5135**	**.5219**	**.5643**	**.5175**	**.5576**	**.5313**	**.2001**
Stddev	.0207	.0208	.0004	.0006	.0346	.0295	.0345	.0004	.0114
%RSD	3.853	3.851	.0839	.1232	6.130	5.697	6.192	.0690	5.694
#1	.5236	.5261	.5138	.5215	.5887	.5384	.5820	.5310	.2082
#2	.5529	.5555	.5132	.5224	.5398	.4967	.5331	.5315	.1921

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5230**	**.5403**	**.5102**	**.5718**	**.5490**	**.5144**	**.5084**	**5.399**	**6.142**
Stddev	.0317	.0008	.0002	.0001	.0018	.0001	.0004	.202	.219
%RSD	6.052	.1511	.0488	.0095	.3304	.0276	.0861	3.750	3.566
#1	.5454	.5409	.5100	.5718	.5477	.5145	.5081	5.256	5.987
#2	.5007	.5397	.5103	.5718	.5503	.5143	.5088	5.542	6.297

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.167**	**5.976**	**10.69**	**10.89**	**.0044**	**.5263**	**-.0004**	**.0385**	**.0019**
Stddev	.263	.239	.38	.45	.0014	.0006	.0024	.0012	.0011
%RSD	4.260	4.000	3.516	4.149	32.97	.1091	536.7	3.153	56.21
#1	5.981	5.807	10.42	10.57	.0034	.5259	-.0021	.0376	.0026
#2	6.353	6.146	10.95	11.21	.0054	.5267	.0012	.0393	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5553**	**.0165**	**.0046**	**.0008**	**-.0014**	**.0006**
Stddev	.0001	.0320	.0008	.0003	.0016	.0006	.0007
%RSD	69.27	5.767	4.593	7.453	210.3	42.42	117.5
#1	-.0001	.5779	.0171	.0049	-.0004	-.0010	.0012
#2	-.0000	.5326	.0160	.0044	.0019	-.0019	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**29324.**	**5356.1**	**924.10**	**1996.2**
Stddev	1649.	168.7	1.40	2.4
%RSD	5.6218	3.1496	.15161	.11870
#1	28159.	5475.4	923.11	1997.9
#2	30490.	5236.9	925.09	1994.6

Zoom In Zoom Out

Sample Name: jb64500-31 2 Acquired: 5/29/2014 20:55:10 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**-.0000**	**.0000**	**.0005**	**.0003**	**.0006**	**.0008**	**-.0001**
Stddev	.0001	.0000	.0001	.0001	.0000	.0001	.0000	.0001	.0003
%RSD	31.14	179.8	157.8	246.8	2.596	40.71	5.097	17.13	217.0
#1	.0005	.0000	-.0001	-.0000	.0005	.0002	.0007	.0009	.0001
#2	.0003	-.0000	.0000	.0001	.0005	.0004	.0006	.0007	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0025**	**-.0011**	**.0011**	**.0008**	**-.0004**	**-.0002**	**.0067**	**.0473**
Stddev	.0000	.0001	.0001	.0004	.0003	.0024	.0005	.0010	.0019
%RSD	4.994	4.049	10.29	36.47	36.25	533.8	232.4	15.36	4.051
#1	.0008	.0026	-.0010	.0008	.0010	.0012	-.0006	.0074	.0459
#2	.0008	.0024	-.0012	.0013	.0006	-.0021	.0001	.0060	.0486

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0240**	**.0043**	**.0240**	**.1100**	**.0003**	**.0002**	**.0012**	**.0382**	**.0015**
Stddev	.0007	.0231	.0046	.0011	.0006	.0000	.0006	.0010	.0000
%RSD	3.013	542.6	18.98	.9966	190.3	13.40	49.61	2.555	.8397
#1	.0235	.0206	.0208	.1092	.0007	.0002	.0016	.0375	.0015
#2	.0245	-.0121	.0272	.1107	-.0001	.0002	.0008	.0389	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0053**	**.0001**	**.0037**	**-.0005**	**.0008**
Stddev	.0000	.0001	.0000	.0001	.0017	.0004	.0004
%RSD	34.67	91.71	.3842	100.6	44.26	76.90	55.88
#1	.0001	-.0002	.0053	.0002	.0026	-.0008	.0011
#2	.0001	-.0001	.0053	.0000	.0049	-.0003	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	30913.	5551.1	953.66	2119.3
Stddev	5.	23.4	1.17	3.7
%RSD	.01567	.42095	.12302	.17294
#1	30910.	5534.5	954.49	2121.9
#2	30917.	5567.6	952.83	2116.7

Zoom In Zoom Out

Sample Name: jb67612-10 Acquired: 5/29/2014 21:01:19 Type: Unk
Method: Accutest1(v179) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2nd cal

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0001**	**-.0001**	**.0001**	**.0007**	**.0002**	**.0002**	**.0002**	**-.0003**
Stddev	.0001	.0001	.0000	.0001	.0003	.0001	.0001	.0001	.0003
%RSD	46.96	71.39	16.34	107.5	41.70	82.77	29.06	32.56	88.66
#1	.0002	.0002	-.0001	.0000	.0005	.0001	.0002	.0002	-.0005
#2	.0004	.0001	-.0001	.0002	.0010	.0002	.0001	.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0009**	**-.0014**	**.0012**	**-.0003**	**.0016**	**-.0002**	**.0176**	**.0202**
Stddev	.0000	.0000	.0001	.0008	.0012	.0021	.0001	.0023	.0015
%RSD	18.75	2.187	5.866	67.73	349.8	131.7	71.13	12.84	7.588
#1	.0002	.0009	-.0013	.0018	-.0012	.0001	-.0001	.0192	.0213
#2	.0003	.0009	-.0014	.0006	.0005	.0031	-.0003	.0160	.0192

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0058**	**.0086**	**-.0025**	**.0023**	**-.0003**	**.0001**	**.0009**	**.0103**	**.0001**
Stddev	.0021	.0112	.0038	.0010	.0002	.0001	.0005	.0002	.0005
%RSD	36.46	129.7	153.3	43.86	60.86	79.87	54.71	1.861	320.5
#1	.0073	.0166	.0002	.0030	-.0002	.0001	.0006	.0102	-.0002
#2	.0043	.0007	-.0052	.0016	-.0005	.0002	.0013	.0105	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0003**	**.0032**	**.0002**	**.0004**	**-.0007**	**.0007**
Stddev	.0000	.0001	.0011	.0000	.0011	.0012	.0007
%RSD	16.38	17.77	34.84	17.07	247.7	168.4	98.73
#1	.0001	-.0003	.0024	.0002	-.0003	-.0016	.0013
#2	.0002	-.0003	.0040	.0002	.0012	.0001	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	30943.	5576.5	956.65	2126.9
Stddev	25.	21.1	2.64	.6
%RSD	.08078	.37922	.27560	.02866
#1	30925.	5561.5	954.78	2127.3
#2	30961.	5591.4	958.51	2126.5

Zoom In Zoom Out

Sample Name: jb67698-55 Acquired: 5/29/2014 21:07:29 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**-.0002**	**-.0000**	**.0006**	**.0008**	**.0001**	**.0002**	**-.0005**
Stddev	.0001	.0001	.0001	.0000	.0005	.0001	.0000	.0001	.0003
%RSD	28.66	1327.	30.30	184.4	77.27	7.765	43.68	33.06	66.49
#1	.0004	.0001	-.0003	-.0000	.0003	.0008	.0001	.0001	-.0003
#2	.0005	-.0001	-.0002	.0000	.0010	.0008	.0001	.0002	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0009**	**-.0019**	**.0004**	**-.0000**	**-.0010**	**-.0003**	**-.0019**	**.0121**
Stddev	.0003	.0000	.0000	.0009	.0005	.0011	.0003	.0044	.0023
%RSD	104.5	1.742	.0605	203.2	1187.	118.5	98.26	235.9	19.30
#1	.0001	.0009	-.0019	-.0002	.0003	-.0018	-.0005	-.0050	.0104
#2	.0004	.0009	-.0019	.0011	-.0004	-.0002	-.0001	.0012	.0137

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**.0026**	**-.0124**	**.0006**	**.0002**	**.0000**	**.0002**	**.0121**	**.0001**
Stddev	.0009	.0116	.0051	.0042	.0005	.0001	.0005	.0002	.0011
%RSD	23.88	440.8	41.47	677.3	292.4	407.5	292.8	1.808	1673.
#1	.0032	.0109	-.0088	-.0023	.0005	-.0000	-.0002	.0123	-.0007
#2	.0045	-.0056	-.0160	.0035	-.0002	.0001	.0005	.0120	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0029**	**.0003**	**.0015**	**.0000**	**.0003**
Stddev	.0000	.0004	.0006	.0001	.0035	.0001	.0001
%RSD	40.19	294.7	19.47	24.48	241.6	457.6	32.72
#1	.0000	-.0002	.0025	.0003	.0040	-.0000	.0004
#2	.0000	.0005	.0032	.0002	-.0010	.0001	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	31104.	5617.7	971.17	2152.4
Stddev	19.	17.7	7.57	12.3
%RSD	.06119	.31490	.77933	.57011
#1	31118.	5630.3	965.82	2143.7
#2	31091.	5605.2	976.52	2161.0

Zoom In Zoom Out

Sample Name: jb67733-34 Acquired: 5/29/2014 21:13:38 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**-.0001**	**.0001**	**.0006**	**-.0000**	**.0001**	**-.0002**	**-.0002**
Stddev	.0000	.0000	.0001	.0000	.0000	.0003	.0000	.0001	.0002
%RSD	11.67	50.62	47.77	27.94	2.373	1118.	32.41	49.17	128.3
#1	.0004	-.0000	-.0002	.0001	.0006	.0002	.0001	-.0003	-.0000
#2	.0004	-.0000	-.0001	.0001	.0006	-.0002	.0001	-.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0010**	**-.0022**	**.0009**	**.0001**	**.0004**	**-.0003**	**.0130**	**.0133**
Stddev	.0001	.0000	.0009	.0005	.0010	.0004	.0002	.0033	.0022
%RSD	13.83	4.072	39.67	54.26	1232.	90.06	59.50	25.03	16.17
#1	.0011	.0010	-.0016	.0013	-.0006	.0001	-.0002	.0107	.0148
#2	.0009	.0011	-.0028	.0006	.0008	.0007	-.0005	.0153	.0118

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0021**	**.0199**	**.0128**	**-.0034**	**-.0002**	**-.0000**	**.0010**	**.0044**	**.0004**
Stddev	.0025	.0278	.0159	.0006	.0002	.0001	.0003	.0003	.0006
%RSD	121.3	140.1	124.6	16.37	135.6	285.5	34.07	7.751	153.8
#1	.0003	.0002	.0015	-.0038	-.0004	-.0001	.0012	.0042	-.0000
#2	.0038	.0395	.0240	-.0030	-.0000	.0000	.0008	.0047	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0018**	**.0001**	**-.0013**	**-.0005**	**.0008**
Stddev	.0000	.0001	.0005	.0002	.0000	.0003	.0005
%RSD	54.21	164.4	27.10	110.1	1.392	71.38	59.90
#1	.0000	.0002	.0014	.0000	-.0013	-.0007	.0011
#2	.0000	-.0000	.0021	.0003	-.0013	-.0002	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	31210.	5552.8	982.63	2176.8
Stddev	246.	7.9	12.40	25.0
%RSD	.78678	.14164	1.2619	1.1472
#1	31036.	5547.3	991.39	2194.5
#2	31383.	5558.4	973.86	2159.2

Zoom In Zoom Out

Sample Name: jb67744-6 Acquired: 5/29/2014 21:19:46 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**-.0001**	**-.0002**	**.0007**	**-.0002**	**.0003**	**.0001**	**-.0007**
Stddev	.0001	.0000	.0000	.0001	.0003	.0002	.0000	.0003	.0004
%RSD	16.94	80.95	33.36	85.95	49.39	91.10	12.40	294.3	52.62
#1	.0004	-.0000	-.0001	-.0001	.0009	-.0003	.0003	-.0001	-.0004
#2	.0005	-.0000	-.0001	-.0003	.0004	-.0001	.0003	.0003	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0127**	**-.0011**	**-.0000**	**-.0002**	**.0004**	**.0003**	**.0117**	**.1529**
Stddev	.0001	.0001	.0019	.0001	.0012	.0013	.0008	.0018	.0059
%RSD	66.41	1.030	174.2	731.1	473.8	354.2	238.9	15.42	3.849
#1	.0001	.0126	.0003	.0001	-.0011	.0013	-.0002	.0129	.1487
#2	.0000	.0128	-.0024	-.0001	.0006	-.0006	.0009	.0104	.1570

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0076**	**.0128**	**.0109**	**.1489**	**.0008**	**-.0001**	**.0004**	**.0131**	**.0013**
Stddev	.0038	.0140	.0188	.0041	.0001	.0001	.0008	.0006	.0000
%RSD	50.35	109.1	171.8	2.733	15.20	59.83	186.8	4.833	3.194
#1	.0049	.0227	-.0024	.1460	.0007	-.0001	-.0001	.0126	.0014
#2	.0103	.0029	.0242	.1517	.0009	-.0001	.0010	.0135	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0003**	**.0017**	**.0001**	**.0130**	**-.0005**	**-.0001**
Stddev	.0000	.0003	.0001	.0001	.0008	.0004	.0003
%RSD	1.810	86.50	4.745	94.78	6.129	83.04	557.4
#1	.0003	.0005	.0016	.0002	.0125	-.0002	-.0003
#2	.0003	.0001	.0017	.0000	.0136	-.0008	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31328.**	**5541.7**	**968.92**	**2151.8**
Stddev	108.	200.7	1.73	1.5
%RSD	.34447	3.6209	.17888	.07135
#1	31404.	5683.6	970.15	2152.8
#2	31251.	5399.9	967.70	2150.7

Zoom In Zoom Out

Sample Name: jb67744-11 Acquired: 5/29/2014 21:25:57 Type: Unk
Method: Accutest1(v179) 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**	**.0006**	**.0001**	**.0001**	**.0001**	**-.0003**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.0000	.0002	.0001
%RSD	6.323	63.76	71.55	71.97	24.75	61.72	45.73	183.0	45.91
#1	.0002	-.0001	-.0002	.0002	.0007	.0001	.0000	.0002	-.0004
#2	.0002	-.0000	-.0001	.0001	.0005	.0001	.0001	-.0000	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0127**	**-.0021**	**.0003**	**-.0004**	**-.0018**	**.0006**	**-.0037**	**.0302**
Stddev	.0001	.0001	.0002	.0008	.0004	.0017	.0007	.0026	.0057
%RSD	81.57	.4631	10.61	259.0	101.1	95.99	110.9	70.80	18.75
#1	.0001	.0127	-.0023	-.0003	-.0006	-.0006	.0011	-.0056	.0262
#2	.0003	.0127	-.0020	.0009	-.0001	-.0030	.0001	-.0019	.0342

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0003**	**.0160**	**.0078**	**.0696**	**.0002**	**-.0000**	**.0006**	**.0060**	**.0005**
Stddev	.0005	.0128	.0113	.0013	.0002	.0000	.0006	.0000	.0007
%RSD	150.0	79.67	144.1	1.910	84.61	60.43	94.63	.5866	130.8
#1	.0000	.0070	-.0001	.0687	.0003	-.0000	.0002	.0060	.0000
#2	-.0006	.0251	.0158	.0706	.0001	-.0000	.0010	.0059	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0004**	**.0012**	**.0002**	**.0001**	**.0004**	**.0004**
Stddev	.0001	.0002	.0003	.0000	.0012	.0011	.0002
%RSD	54.35	51.67	24.95	18.71	1983.	296.4	54.95
#1	.0001	-.0002	.0014	.0001	.0009	-.0004	.0002
#2	.0001	-.0005	.0010	.0002	-.0008	.0011	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31054.**	**5591.3**	**959.83**	**2134.8**
Stddev	3.	36.5	4.67	5.4
%RSD	.01112	.65243	.48685	.25344
#1	31051.	5617.1	963.13	2138.7
#2	31056.	5565.5	956.53	2131.0

Zoom In Zoom Out

Sample Name: jb67815-10 Acquired: 5/29/2014 21:32:07 Type: Unk
Method: Accutest1(v179) 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**	**-.0002**	**-.0001**	**.0003**	**.0006**	**.0002**	**-.0001**	**-.0003**
Stddev	.0003	.0000	.0000	.0001	.0000	.0001	.0000	.0001	.0000
%RSD	167.8	223.5	16.05	93.09	13.61	9.951	5.057	109.1	11.36
#1	-.0000	-.0000	-.0002	-.0000	.0003	.0006	.0003	-.0000	-.0003
#2	.0004	.0000	-.0002	-.0002	.0002	.0007	.0002	-.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0015**	**-.0016**	**.0003**	**-.0000**	**.0014**	**-.0004**	**-.0011**	**.0204**
Stddev	.0000	.0000	.0007	.0011	.0005	.0001	.0008	.0053	.0019
%RSD	10.05	.5669	41.55	437.7	2021.	9.261	210.2	475.5	9.247
#1	.0003	.0016	-.0011	-.0005	-.0004	.0015	-.0010	-.0048	.0217
#2	.0004	.0015	-.0020	.0011	.0004	.0013	.0002	.0026	.0190

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0018**	**.0016**	**.0095**	**.0260**	**-.0002**	**-.0001**	**.0005**	**.0123**	**.0006**
Stddev	.0023	.0023	.0012	.0024	.0001	.0001	.0001	.0001	.0002
%RSD	129.2	138.7	12.49	9.350	85.91	103.7	17.51	.7917	42.36
#1	.0035	.0033	.0087	.0243	-.0003	-.0002	.0005	.0122	.0004
#2	.0002	.0000	.0104	.0277	-.0001	-.0000	.0004	.0123	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**.0015**	**.0000**	**-.0016**	**-.0016**	**.0004**
Stddev	.0000	.0004	.0002	.0001	.0007	.0006	.0000
%RSD	215.9	114.8	14.18	1909.	44.59	36.80	10.19
#1	.0000	-.0006	.0017	-.0001	-.0021	-.0012	.0003
#2	-.0000	-.0001	.0014	.0001	-.0011	-.0020	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**30761.**	**5532.1**	**958.83**	**2132.0**
Stddev	53.	22.6	3.76	4.2
%RSD	.17347	.40771	.39196	.19590
#1	30799.	5548.0	956.17	2129.0
#2	30723.	5516.1	961.49	2135.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 21:38:19 Type: QC
Method: Accutest1(v179) 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	**1.964**	**1.995**	**1.938**	**1.978**	**2.026**	**1.926**	**2.039**	**1.966**	**.2443**
Stddev	.000	.007	.003	.002	.005	.000	.002	.003	.0008
%RSD	.0022	.3473	.1284	.1124	.2276	.0024	.1088	.1409	.3332
#1	1.964	2.000	1.940	1.977	2.023	1.926	2.037	1.968	.2449
#2	1.964	1.991	1.936	1.980	2.029	1.926	2.040	1.964	.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	**2.024**	**1.996**	**1.926**	**2.058**	**2.040**	**1.922**	**1.926**	**39.86**	**40.70**
Stddev	.003	.006	.001	.004	.000	.004	.001	.01	.03
%RSD	.1343	.2806	.0523	.1926	.0140	.1840	.0398	.0291	.0641
#1	2.022	1.999	1.927	2.061	2.039	1.924	1.927	39.87	40.72
#2	2.026	1.992	1.926	2.055	2.040	1.919	1.926	39.86	40.68
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	**40.40**	**40.23**	**39.62**	**39.97**	**1.962**	**1.956**	**1.959**	**4.892**	**2.001**
Stddev	.11	.04	.07	.07	.004	.004	.003	.006	.007
%RSD	.2802	.0942	.1866	.1774	.2273	.1836	.1735	.1268	.3358
#1	40.48	40.25	39.67	40.02	1.965	1.959	1.957	4.896	2.006
#2	40.32	40.20	39.57	39.92	1.959	1.954	1.962	4.888	1.996
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: 5/29/2014 21:38:19 Type: QC
Method: Accutest1(v179) 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	**1.968**	**1.995**	**1.882**	**1.977**	**1.893**	**1.924**	**1.951**
Stddev	.002	.005	.008	.000	.001	.001	.002
%RSD	.1131	.2520	.4088	.0036	.0706	.0569	.0893
#1	1.969	1.992	1.877	1.977	1.894	1.924	1.953
#2	1.966	1.999	1.888	1.977	1.892	1.923	1.950
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	**28999.**	**5482.7**	**922.37**	**1927.8**
Stddev	11.	13.4	1.31	.1
%RSD	.03727	.24449	.14202	.00324
#1	28991.	5473.3	921.44	1927.7
#2	29007.	5492.2	923.30	1927.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 21:44:12 Type: QC
Method: Accutest1(v179) 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**	**.0006**	**.0003**	**.0004**	W **.0014**	**.0002**	**.0006**	**.0004**
Stddev	.0005	.0003	.0002	.0002	.0002	.0002	.0000	.0000
%RSD	55.41	49.56	59.52	37.85	13.71	93.03	1.399	7.528
#1	.0012	.0008	.0002	.0005	.0013	.0001	.0006	.0004
#2	.0005	.0004	.0004	.0003	.0015	.0003	.0006	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					.0012			
Low Limit					-.0012			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0007**	**.0004**	**.0004**	**.0014**	**-.0001**	**-.0006**	**.0008**
Stddev	.0000	.0002	.0000	.0007	.0004	.0000	.0030	.0011
%RSD	13.32	22.56	7.858	185.0	26.45	10.75	472.8	140.2
#1	-.0001	.0006	.0005	.0009	.0017	-.0001	.0015	.0000
#2	-.0002	.0009	.0004	-.0001	.0011	-.0001	-.0028	.0016
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	**.0150**	**.0172**	W **.0142**	**.0151**	**.0353**	**.0067**	**.0008**	**.0014**
Stddev	.0033	.0052	.0006	.0093	.0077	.0090	.0006	.0002
%RSD	22.13	30.10	4.148	61.59	21.82	134.3	74.60	14.33
#1	.0174	.0209	.0146	.0217	.0407	.0130	.0004	.0016
#2	.0127	.0135	.0137	.0085	.0298	.0003	.0012	.0013
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 21:44:12 Type: QC
Method: Accutest1(v179) 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**	**.0018**	**.0002**	**.0007**	**.0004**	**.0156**	W **.0013**	**-.0052**
Stddev	.0004	.0004	.0001	.0002	.0002	.0033	.0003	.0000
%RSD	140.2	21.46	36.29	29.73	61.25	21.32	20.91	.2625
#1	.0006	.0020	.0003	.0008	.0002	.0179	.0015	-.0052
#2	.0000	.0015	.0002	.0005	.0005	.0132	.0011	-.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0012	
Low Limit							-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0000**	**.0014**
Stddev	.0004	.0002
%RSD	2247.	17.01
#1	.0003	.0016
#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	**31286.**	**5587.2**	**987.61**	**2182.3**
Stddev	64.	3.4	.24	1.0
%RSD	.20354	.06042	.02452	.04766
#1	31240.	5589.5	987.44	2183.1
#2	31331.	5584.8	987.78	2181.6

Zoom In Zoom Out

Sample Name: jb67587-46 Acquired: 5/29/2014 21:50:22 Type: Unk
Method: Accutest1(v179) 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**	**-.0002**	**.0000**	**.0004**	**-.0001**	**.0001**	**.0001**	**.0001**
Stddev	.0002	.0000	.0000	.0003	.0001	.0000	.0000	.0000	.0007
%RSD	84.23	122.4	27.64	721.2	30.57	48.96	28.18	24.09	697.2
#1	.0001	-.0001	-.0001	-.0001	.0005	-.0000	.0001	.0001	.0006
#2	.0004	-.0000	-.0002	.0002	.0003	-.0001	.0001	.0001	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0016**	**-.0008**	**-.0003**	**-.0000**	**-.0006**	**-.0005**	**-.0011**	**.0194**
Stddev	.0001	.0001	.0005	.0002	.0001	.0026	.0010	.0049	.0043
%RSD	139.3	9.299	63.20	70.13	2277.	442.1	202.1	438.4	22.38
#1	-.0002	.0015	-.0011	-.0004	-.0000	-.0024	-.0012	.0023	.0164
#2	-.0000	.0017	-.0004	-.0001	.0000	.0012	.0002	-.0046	.0225

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0014**	**-.0023**	**.0105**	**-.0052**	**.0001**	**.0005**	**.0014**	**.0038**	**.0003**
Stddev	.0022	.0287	.0023	.0029	.0002	.0002	.0012	.0001	.0017
%RSD	156.6	1256.	22.13	55.69	247.0	32.57	82.84	2.400	543.7
#1	.0030	.0180	.0121	-.0032	.0002	.0004	.0023	.0038	-.0009
#2	-.0002	-.0226	.0089	-.0073	-.0001	.0007	.0006	.0039	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0003**	**.0086**	**.0007**	**-.0025**	**-.0000**	**-.0002**
Stddev	.0001	.0003	.0001	.0001	.0015	.0003	.0009
%RSD	62.34	83.30	1.182	8.648	60.26	828.7	523.3
#1	.0000	-.0001	.0085	.0007	-.0036	.0002	-.0008
#2	.0001	-.0005	.0087	.0006	-.0014	-.0003	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31138.**	**5616.3**	**971.39**	**2154.2**
Stddev	278.	28.2	.95	3.5
%RSD	.89314	.50178	.09748	.16211
#1	30942.	5596.4	970.72	2156.7
#2	31335.	5636.3	972.06	2151.7

Zoom In Zoom Out

Sample Name: jb67595-1a Acquired: 5/29/2014 21:56:29 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**.0008**	**.0010**	**.0003**	**.0004**	**.0000**
Stddev	.0001	.0001	.0001	.0000	.0003	.0002	.0001	.0001	.0003
%RSD	59.37	204.8	71.68	37.00	42.39	24.12	16.86	38.08	1399.
#1	.0001	.0000	-.0002	-.0001	.0010	.0008	.0004	.0003	-.0002
#2	.0003	-.0001	-.0001	-.0000	.0005	.0012	.0003	.0005	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0010**	**-.0007**	**-.0002**	**-.0000**	**.0001**	**-.0004**	**.0177**	**.0208**
Stddev	.0002	.0001	.0014	.0015	.0001	.0028	.0006	.0013	.0005
%RSD	98.04	10.76	201.1	654.6	590.9	1916.	151.2	7.157	2.316
#1	.0003	.0010	-.0016	.0008	-.0000	-.0018	-.0008	.0186	.0205
#2	.0001	.0009	.0003	-.0013	.0000	.0021	.0000	.0168	.0212

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0128**	**-.0101**	**.0018**	**.0139**	**-.0001**	**.0002**	**.0011**	**.0204**	**.0006**
Stddev	.0005	.0118	.0168	.0019	.0003	.0000	.0004	.0018	.0005
%RSD	3.954	116.2	939.3	13.98	199.8	12.78	36.18	8.778	83.81
#1	.0125	-.0018	-.0101	.0153	.0001	.0002	.0008	.0217	.0002
#2	.0132	-.0185	.0137	.0125	-.0003	.0002	.0014	.0192	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**.0058**	**.0004**	**-.0003**	**.0001**	**.0006**
Stddev	.0000	.0002	.0004	.0001	.0005	.0000	.0004
%RSD	8.516	73.55	6.599	23.18	146.8	79.38	62.64
#1	.0001	.0004	.0061	.0004	-.0007	.0000	.0009
#2	.0001	.0001	.0055	.0003	.0000	.0001	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	31307.	5641.1	974.70	2160.8
Stddev	90.	31.8	8.74	8.3
%RSD	.28770	.56354	.89704	.38524
#1	31371.	5663.6	968.51	2154.9
#2	31244.	5618.6	980.88	2166.7

Zoom In Zoom Out

Sample Name: jb67728-22a Acquired: 5/29/2014 22:02:36 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**-.0002**	**-.0000**	**.0007**	**-.0001**	**.0006**	**.0000**	**-.0004**
Stddev	.0001	.0000	.0000	.0001	.0000	.0003	.0000	.0004	.0003
%RSD	13.18	7.875	8.688	215.0	3.477	448.5	6.318	782.4	71.32
#1	.0006	-.0000	-.0002	.0000	.0006	.0002	.0006	-.0002	-.0002
#2	.0005	-.0000	-.0003	-.0001	.0007	-.0003	.0006	.0003	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0026**	**-.0008**	**-.0001**	**-.0003**	**.0011**	**-.0002**	**.0113**	**.0643**
Stddev	.0004	.0001	.0007	.0006	.0010	.0002	.0018	.0011	.0011
%RSD	511.3	3.140	77.78	416.6	371.7	18.79	823.5	9.963	1.775
#1	.0002	.0026	-.0013	-.0005	.0004	.0012	-.0015	.0121	.0635
#2	-.0004	.0025	-.0004	.0003	-.0010	.0009	.0011	.0105	.0652

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0085**	**.0145**	**.0041**	**.1871**	**.0005**	**.0001**	**.0008**	**.0659**	**.0023**
Stddev	.0010	.0303	.0039	.0011	.0003	.0000	.0000	.0012	.0003
%RSD	11.59	209.4	94.88	.6143	74.51	11.75	5.128	1.828	13.92
#1	.0092	.0359	.0069	.1863	.0007	.0001	.0008	.0651	.0020
#2	.0078	-.0070	.0014	.1880	.0002	.0001	.0009	.0668	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**.0036**	**.0003**	**.0038**	**-.0013**	**-.0001**
Stddev	.0000	.0004	.0000	.0000	.0003	.0006	.0011
%RSD	9.398	131.9	1.324	9.522	8.239	45.19	1162.
#1	.0001	.0000	.0036	.0003	.0040	-.0017	.0007
#2	.0001	.0005	.0036	.0003	.0036	-.0009	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	31353.	5598.2	973.46	2157.2
Stddev	111.	3.6	5.67	6.2
%RSD	.35467	.06441	.58296	.28694
#1	31275.	5600.8	969.45	2152.8
#2	31432.	5595.7	977.47	2161.6

Zoom In Zoom Out

Sample Name: jb67819-1a Acquired: 5/29/2014 22:08:44 Type: Unk
Method: Accutest1(v179) 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	**.0005**	**-.0001**	**-.0001**	**.0001**	**.0005**	**.0003**	**.0001**	**.0003**	**.0001**
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0000	.0000	.0004
%RSD	6.440	5.549	7.346	16.43	18.87	21.23	5.997	.8050	439.0
#1	.0005	-.0001	-.0001	.0001	.0004	.0003	.0001	.0003	-.0002
#2	.0005	-.0001	-.0001	.0002	.0006	.0002	.0001	.0003	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0010**	**-.0001**	**.0001**	**.0002**	**.0002**	**.0071**	**.0300**
Stddev	.0002	.0002	.0002	.0003	.0006	.0003	.0006	.0043	.0054
%RSD	192.3	16.16	19.48	338.1	527.8	134.8	345.0	60.72	17.98
#1	.0002	.0011	-.0009	.0001	.0006	.0004	.0006	.0040	.0338
#2	-.0000	.0009	-.0011	-.0003	-.0003	.0000	-.0003	.0101	.0262

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0007**	**-.0045**	**-.0041**	**.0505**	**-.0002**	**-.0000**	**-.0005**	**.0442**	**.0013**
Stddev	.0027	.0182	.0300	.0036	.0002	.0001	.0000	.0002	.0015
%RSD	382.2	405.7	731.5	7.184	91.12	251.0	9.175	.4146	122.3
#1	.0026	-.0174	-.0253	.0531	-.0001	.0000	-.0005	.0443	.0023
#2	-.0012	.0084	.0171	.0480	-.0003	-.0001	-.0004	.0441	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0002**	**.0024**	**.0002**	**-.0006**	**-.0003**	**.0003**
Stddev	.0000	.0002	.0009	.0001	.0032	.0005	.0003
%RSD	29.15	128.6	38.04	74.22	570.8	157.7	93.65
#1	.0001	-.0003	.0018	.0003	-.0028	-.0007	.0006
#2	.0001	-.0000	.0031	.0001	.0017	.0000	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31324.**	**5611.6**	**977.36**	**2165.6**
Stddev	18.	14.6	.81	2.9
%RSD	.05889	.26099	.08339	.13300
#1	31311.	5621.9	976.78	2163.6
#2	31337.	5601.2	977.94	2167.7

Zoom In Zoom Out

Sample Name: jb67822-10 Acquired: 5/29/2014 22:14:52 Type: Unk
Method: Accutest1(v179) 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**	**.0002**	**.0007**	**.0031**	**.0000**	**.0001**	**-.0004**
Stddev	.0001	.0000	.0001	.0002	.0001	.0003	.0000	.0002	.0002
%RSD	17.88	121.6	226.4	104.9	21.37	10.12	13.39	214.9	62.78
#1	.0004	-.0000	-.0001	.0004	.0006	.0029	.0001	.0002	-.0002
#2	.0003	-.0001	.0000	.0001	.0008	.0033	.0000	-.0000	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0028**	**-.0011**	**.0001**	**-.0013**	**.0003**	**-.0004**	**.0084**	**.0364**
Stddev	.0002	.0000	.0003	.0012	.0005	.0021	.0005	.0035	.0014
%RSD	78.59	1.618	30.30	2224.	39.84	759.0	129.4	41.26	3.791
#1	.0001	.0028	-.0014	.0009	-.0009	.0017	-.0007	.0060	.0373
#2	.0004	.0027	-.0009	-.0008	-.0016	-.0012	-.0000	.0109	.0354

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0041**	**.0103**	**.0150**	**-.0036**	**-.0002**	**-.0001**	**.0003**	**.0279**	**.0007**
Stddev	.0010	.0078	.0096	.0035	.0001	.0000	.0008	.0001	.0001
%RSD	25.05	75.76	64.01	97.07	46.33	17.99	262.4	.4089	7.532
#1	.0048	.0159	.0082	-.0061	-.0002	-.0001	-.0003	.0278	.0007
#2	.0033	.0048	.0218	-.0011	-.0001	-.0001	.0008	.0280	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**.0018**	**.0004**	**.0001**	**-.0005**	**.0008**
Stddev	.0001	.0000	.0012	.0000	.0011	.0008	.0003
%RSD	767.1	24.05	64.60	11.96	805.9	161.5	35.68
#1	-.0001	.0002	.0026	.0004	.0009	-.0011	.0006
#2	.0001	.0001	.0010	.0003	-.0007	.0001	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31346.**	**5639.9**	**976.87**	**2161.9**
Stddev	17.	32.8	.97	1.9
%RSD	.05576	.58100	.09888	.08885
#1	31358.	5663.1	976.19	2163.3
#2	31333.	5616.7	977.56	2160.6

Zoom In Zoom Out

Sample Name: mp79694-mb3 2 Acquired: 5/29/2014 22:21:00 Type: Unk
Method: Accutest1(v179) 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	**.0116**	**-.0000**	**.0000**	**.0004**	**.0057**	**.0047**	**.0041**	**.0033**	**-.0005**
Stddev	.0000	.0000	.0001	.0001	.0003	.0008	.0001	.0001	.0003
%RSD	.0094	109.2	170.1	13.55	5.734	17.53	2.157	2.915	52.53
#1	.0116	-.0000	.0001	.0005	.0060	.0041	.0040	.0032	-.0003
#2	.0116	-.0000	-.0000	.0004	.0055	.0052	.0042	.0033	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0049**	**.0008**	**-.0032**	**.0037**	**.0012**	**.0010**	**.0926**	**1.105**
Stddev	.0001	.0004	.0004	.0009	.0002	.0007	.0003	.0049	.007
%RSD	215.3	7.905	52.07	29.20	6.410	56.73	29.22	5.307	.6020
#1	-.0002	.0046	.0010	-.0038	.0036	.0007	.0008	.0891	1.110
#2	.0000	.0052	.0005	-.0025	.0039	.0016	.0012	.0961	1.101

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0755**	**.2818**	**-.9657**	**771.5**	**.0926**	**.0005**	**-.0001**	**.7412**	**.0034**
Stddev	.0001	.0085	.0638	20.5	.0033	.0001	.0010	.0150	.0007
%RSD	.1654	3.007	6.610	2.656	3.555	28.05	961.4	2.017	22.25
#1	.0756	.2758	-1.011	786.0	.0903	.0005	.0006	.7306	.0028
#2	.0754	.2878	-.9206	757.0	.0949	.0004	-.0008	.7517	.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0147**	**.0017**	**.0007**	**-.0010**	**.0864**	**.0005**	**.0040**
Stddev	.0000	.0002	.0010	.0003	.0018	.0008	.0006
%RSD	.0940	12.76	142.8	28.03	2.080	169.4	14.83
#1	.0147	.0015	.0014	-.0008	.0851	-.0001	.0036
#2	.0147	.0018	-.0000	-.0012	.0877	.0011	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	25374.	5455.0	816.47	1620.7
Stddev	135.	18.4	26.09	48.6
%RSD	.53369	.33789	3.1956	2.9964
#1	25470.	5442.0	834.92	1655.0
#2	25278.	5468.0	798.02	1586.4

Zoom In Zoom Out

Sample Name: mp79694-lc2 Acquired: 5/29/2014 22:27:14 Type: Unk
Method: Accutest1(v179) 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	**.5654**	**.5697**	**.5197**	**.5318**	**.5640**	**.5162**	**.5586**	**.5402**	**.2005**
Stddev	.0004	.0003	.0018	.0027	.0083	.0081	.0094	.0031	.0033
%RSD	.0666	.0508	.3442	.5081	1.471	1.571	1.680	.5807	1.642
#1	.5656	.5699	.5185	.5299	.5581	.5105	.5520	.5380	.1982
#2	.5651	.5695	.5210	.5337	.5699	.5220	.5653	.5424	.2028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5243**	**.5504**	**.5179**	**.5816**	**.5643**	**.5201**	**.5137**	**5.682**	**6.481**
Stddev	.0111	.0044	.0005	.0048	.0050	.0014	.0021	.013	.015
%RSD	2.123	.8048	.0986	.8336	.8937	.2627	.4038	.2256	.2286
#1	.5165	.5472	.5176	.5782	.5608	.5191	.5123	5.673	6.471
#2	.5322	.5535	.5183	.5850	.5679	.5210	.5152	5.691	6.492

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.478**	**6.274**	**11.21**	**10.90**	**.0055**	**.5315**	**-.0002**	**.0719**	**.0022**
Stddev	.001	.002	.00	.04	.0001	.0014	.0001	.0014	.0000
%RSD	.0111	.0245	.0147	.3334	1.240	.2668	59.79	1.946	1.809
#1	6.477	6.273	11.21	10.88	.0056	.5305	-.0003	.0729	.0023
#2	6.478	6.275	11.21	10.93	.0055	.5325	-.0001	.0709	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5527**	**.0089**	**.0032**	**.0079**	**-.0013**	**.0020**
Stddev	.0000	.0090	.0013	.0001	.0018	.0004	.0008
%RSD	22.43	1.625	14.65	4.700	22.48	29.51	38.50
#1	-.0002	.5463	.0099	.0033	.0066	-.0016	.0025
#2	-.0002	.5590	.0080	.0031	.0092	-.0011	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	29869.	5205.8	935.89	2011.2
Stddev	442.	13.2	.49	2.9
%RSD	1.4787	.25267	.05246	.14244
#1	30181.	5215.1	936.23	2013.2
#2	29557.	5196.5	935.54	2009.1

Zoom In Zoom Out

Sample Name: jb67669-1r Acquired: 5/29/2014 22:33:14 Type: Unk
Method: Accutest1(v179) 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	**1.682**	**.0000**	**-.0001**	**.0047**	**.0179**	**.0002**	**2.888**	**.1937**	**.0006**
Stddev	.006	.0001	.0001	.0001	.0000	.0001	.008	.0001	.0000
%RSD	.3527	240.1	50.56	2.760	.0538	49.19	.2626	.0695	7.214
#1	1.677	-.0000	-.0001	.0048	.0179	.0002	2.894	.1936	.0006
#2	1.686	.0001	-.0002	.0046	.0179	.0001	2.883	.1937	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0085**	**.0056**	**.0959**	**-.0019**	**.0010**	**.0018**	**.0053**	**.1272**	**134.9**
Stddev	.0002	.0001	.0010	.0004	.0006	.0013	.0008	.0106	.1
%RSD	2.900	1.584	1.041	21.12	56.56	71.12	15.38	8.321	.0991
#1	.0083	.0057	.0966	-.0022	.0006	.0009	.0059	.1347	134.8
#2	.0087	.0056	.0952	-.0016	.0014	.0027	.0047	.1197	135.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**117.9**	**56.77**	**18.69**	**799.7**	**.3387**	**.0008**	**.0014**	**3.339**	**-.0005**
Stddev	.1	.01	.07	3.5	.0003	.0003	.0008	.002	.0013
%RSD	.1215	.0221	.3884	.4433	.1032	33.51	55.27	.0700	233.1
#1	117.8	56.78	18.64	802.2	.3390	.0010	.0019	3.341	-.0015
#2	118.0	56.76	18.74	797.2	.3385	.0006	.0008	3.338	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.198**	**.0018**	**.0070**	**.0017**	**4.457**	**.0008**	**.0154**
Stddev	.003	.0004	.0002	.0002	.005	.0001	.0000
%RSD	.2757	21.08	3.362	12.68	.1234	10.55	.0896
#1	1.196	.0015	.0068	.0016	4.461	.0008	.0154
#2	1.201	.0021	.0072	.0019	4.453	.0007	.0154

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	24830.	5332.1	804.53	1635.2
Stddev	26.	4.3	.45	.3
%RSD	.10286	.08114	.05642	.01932
#1	24812.	5335.2	804.85	1635.0
#2	24848.	5329.1	804.21	1635.4

Zoom In Zoom Out

Sample Name: jb67817-1a Acquired: 5/29/2014 22:39:24 Type: Unk
Method: Accutest1(v179) 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	**.4426**	**-.0001**	**-.0000**	**.0594**	**.0781**	**-.0020**	**3.456**	**.1728**	**.0033**
Stddev	.0005	.0000	.0001	.0004	.0011	.0002	.009	.0001	.0002
%RSD	.1094	19.53	625.8	.6574	1.351	10.32	.2555	.0692	7.038
#1	.4430	-.0001	.0000	.0591	.0788	-.0019	3.462	.1729	.0031
#2	.4423	-.0001	-.0001	.0597	.0773	-.0022	3.450	.1727	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0042**	**.4608**	**.0256**	**-.0015**	**.0128**	**.0003**	**.0049**	**.1644**	**363.6**
Stddev	.0001	.0005	.0001	.0010	.0006	.0016	.0004	.0015	1.1
%RSD	2.806	.1150	.2495	65.55	4.655	469.7	9.015	.8947	.3072
#1	.0042	.4611	.0256	-.0008	.0123	.0015	.0052	.1654	362.8
#2	.0041	.4604	.0255	-.0022	.0132	-.0008	.0046	.1633	364.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**43.14**	**48.21**	**6.813**	**719.5**	**.1389**	**.0019**	**.0080**	**12.22**	**.0002**
Stddev	.02	.18	.019	10.1	.0007	.0001	.0008	.00	.0005
%RSD	.0375	.3833	.2800	1.408	.5139	3.305	9.684	.0127	250.4
#1	43.13	48.07	6.800	726.7	.1394	.0019	.0085	12.23	.0006
#2	43.15	48.34	6.827	712.4	.1384	.0019	.0074	12.22	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.004**	**.0012**	**.0138**	**-.0001**	**11.50**	**-.0010**	**.0232**
Stddev	.000	.0001	.0010	.0003	.02	.0002	.0005
%RSD	.0109	7.383	6.966	249.2	.1353	22.98	2.098
#1	1.004	.0012	.0145	.0001	11.51	-.0011	.0229
#2	1.004	.0013	.0131	-.0003	11.49	-.0008	.0235

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	24378.	5237.1	781.02	1566.0
Stddev	50.	18.3	.20	.1
%RSD	.20650	.34945	.02589	.00483
#1	24342.	5250.1	780.88	1566.0
#2	24413.	5224.2	781.16	1566.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 22:45:36 Type: QC
Method: Accutest1(v179) 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	**1.988**	**2.029**	**1.989**	**2.031**	**2.063**	**1.953**	**2.077**	**2.017**	**.2467**
Stddev	.035	.043	.008	.007	.012	.001	.000	.009	.0003
%RSD	1.759	2.113	.3907	.3427	.5820	.0579	.0083	.4464	.1130
#1	2.013	2.059	1.995	2.036	2.054	1.952	2.076	2.023	.2465
#2	1.963	1.998	1.984	2.026	2.071	1.954	2.077	2.011	.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	**2.054**	**2.058**	**1.983**	**2.111**	**2.092**	**1.982**	**1.975**	**40.41**	**41.48**
Stddev	.003	.009	.006	.009	.010	.010	.008	.68	.73
%RSD	.1490	.4211	.2934	.4056	.4938	.4951	.4144	1.688	1.762
#1	2.052	2.064	1.987	2.117	2.100	1.989	1.980	40.90	41.99
#2	2.056	2.052	1.979	2.105	2.085	1.975	1.969	39.93	40.96
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	**41.07**	**41.06**	**39.97**	**37.53**	**2.012**	**2.009**	**1.985**	**5.017**	**2.060**
Stddev	.80	.74	.75	.58	.009	.008	.004	.017	.005
%RSD	1.956	1.798	1.882	1.543	.4469	.4074	.2027	.3427	.2433
#1	41.64	41.58	40.50	37.94	2.019	2.015	1.983	5.029	2.064
#2	40.51	40.54	39.43	37.12	2.006	2.003	1.988	5.005	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: 5/29/2014 22:45:36 Type: QC
Method: Accutest1(v179) 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	**1.993**	**2.025**	**1.930**	**2.008**	**1.943**	**1.969**	**1.972**
Stddev	.036	.011	.000	.005	.014	.011	.031
%RSD	1.786	.5276	.0000	.2340	.7221	.5421	1.570
#1	2.018	2.017	1.930	2.004	1.953	1.976	1.994
#2	1.968	2.032	1.930	2.011	1.934	1.961	1.950
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	**28659.**	**5379.0**	**901.79**	**1886.6**
Stddev	77.	96.1	3.26	4.3
%RSD	.26753	1.7863	.36104	.22651
#1	28713.	5311.1	899.49	1883.6
#2	28605.	5447.0	904.09	1889.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 22:51:31 Type: QC
Method: Accutest1(v179) 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**	**.0006**	W **.0014**	**.0008**	**.0011**	**.0006**
Stddev	.0003	.0000	.0001	.0000	.0001	.0004	.0001	.0001
%RSD	33.80	3.100	15.25	2.499	3.649	44.29	12.90	16.98
#1	.0012	.0007	.0005	.0006	.0014	.0011	.0012	.0005
#2	.0007	.0007	.0004	.0006	.0014	.0006	.0010	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					.0012			
Low Limit					-.0012			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0013**	**.0006**	**-.0000**	**.0006**	**.0015**	**-.0003**	**.0009**
Stddev	.0002	.0004	.0001	.0009	.0010	.0007	.0001	.0005
%RSD	203.7	27.63	17.61	1870.	156.5	49.81	57.37	53.77
#1	.0003	.0011	.0007	.0006	.0013	.0009	-.0004	.0012
#2	-.0001	.0016	.0005	-.0007	-.0001	.0020	-.0001	.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	**.0157**	**.0239**	W **.0172**	**.0062**	**.0471**	**.1312**	**.0007**	**.0017**
Stddev	.0054	.0009	.0020	.0075	.0129	.0104	.0001	.0002
%RSD	34.07	3.639	11.75	120.7	27.46	7.966	12.21	14.54
#1	.0119	.0245	.0187	.0009	.0379	.1238	.0006	.0019
#2	.0195	.0233	.0158	.0115	.0562	.1385	.0008	.0015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 22:51:31 Type: QC
Method: Accutest1(v179) 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**	**.0033**	**.0010**	**.0009**	**.0005**	W **.0163**	W **.0016**	**-.0018**
Stddev	.0001	.0005	.0002	.0000	.0000	.0014	.0001	.0010
%RSD	33.30	15.75	17.78	3.184	2.482	8.422	7.280	53.95
#1	.0003	.0037	.0011	.0008	.0005	.0172	.0017	-.0011
#2	.0004	.0029	.0009	.0009	.0005	.0153	.0016	-.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit						.0159	.0012	
Low Limit						-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0006**	**.0019**
Stddev	.0004	.0010
%RSD	63.79	54.00
#1	.0004	.0026
#2	.0009	.0012
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	**30583.**	**5450.3**	**965.14**	**2131.2**
Stddev	747.	.8	4.38	6.5
%RSD	2.4440	.01484	.45366	.30701
#1	30054.	5449.7	968.23	2135.8
#2	31111.	5450.8	962.04	2126.5

Zoom In Zoom Out

Sample Name: ma-013-653-min2conf Acquired: 5/29/2014 22:57:40 Type: Unk
Method: Accutest1(v179) 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**	**.0002**	**-.0000**	**-.0001**	**.0012**	**.0006**	**.0022**	**.0015**	**.0006**
Stddev	.0002	.0000	.0001	.0001	.0008	.0002	.0002	.0003	.0006
%RSD	64.90	1.271	254.7	148.3	63.88	38.47	7.282	21.34	102.0
#1	.0005	.0002	.0000	.0000	.0018	.0004	.0023	.0013	.0011
#2	.0002	.0002	-.0001	-.0002	.0007	.0007	.0021	.0018	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0110**	**.0005**	**.0006**	**.0020**	**.0007**	**.0020**	**51.65**	**13.65**
Stddev	.0003	.0001	.0023	.0021	.0001	.0016	.0011	.10	.04
%RSD	180.7	1.345	500.9	364.3	7.203	232.7	53.70	.1870	.2815
#1	-.0003	.0111	.0021	-.0009	.0019	.0018	.0013	51.58	13.62
#2	.0000	.0109	-.0012	.0021	.0021	-.0004	.0028	51.72	13.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**53.57**	**13.53**	**13.06**	**13.27**	**.0001**	**.0003**	**.0016**	**.0111**	**-.0011**
Stddev	.08	.07	.02	.05	.0009	.0000	.0010	.0001	.0004
%RSD	.1511	.5036	.1345	.4003	707.2	5.299	59.58	.6774	39.88
#1	53.51	13.48	13.05	13.24	.0008	.0003	.0009	.0111	-.0008
#2	53.63	13.57	13.07	13.31	-.0005	.0002	.0023	.0110	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0001**	**.0072**	**.0018**	**-.0028**	**-.0003**	**.0012**
Stddev	.0000	.0003	.0003	.0000	.0011	.0008	.0000
%RSD	116.1	253.8	4.789	2.610	38.63	279.3	1.546
#1	-.0000	.0003	.0069	.0018	-.0036	-.0009	.0012
#2	-.0000	-.0001	.0074	.0018	-.0021	.0003	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	29595.	5413.2	945.84	1990.8
Stddev	94.	11.2	8.64	11.7
%RSD	.31783	.20743	.91342	.58986
#1	29661.	5421.1	939.73	1982.5
#2	29528.	5405.2	951.95	1999.1

Zoom In Zoom Out

Sample Name: mp79723-mb1 2 Acquired: 5/29/2014 23:03:47 Type: Unk
Method: Accutest1(v179) 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**	**-.0000**	**-.0001**	**.0001**	**.0151**	**.0006**	**.0010**	**.0006**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.0001	.0002	.0000	.0003	.0002
%RSD	7.548	.0893	55.94	111.7	.8112	31.75	3.139	47.84	62.74
#1	.0011	-.0000	-.0002	.0001	.0152	.0007	.0010	.0004	-.0002
#2	.0010	-.0000	-.0001	.0000	.0150	.0005	.0009	.0008	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0024**	**-.0006**	**.0005**	**.0008**	**.0007**	**-.0005**	**.0225**	**.1844**
Stddev	.0004	.0000	.0006	.0003	.0003	.0005	.0007	.0037	.0043
%RSD	156.9	2.006	99.22	54.92	35.28	64.76	153.6	16.66	2.313
#1	.0005	.0025	-.0002	.0003	.0009	.0010	.0000	.0251	.1814
#2	-.0000	.0024	-.0009	.0006	.0006	.0004	-.0010	.0198	.1874

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0633**	**.0393**	**.0493**	**.0861**	**.0003**	**.0003**	**.0007**	**.0188**	**.0209**
Stddev	.0025	.0018	.0021	.0006	.0003	.0001	.0010	.0012	.0001
%RSD	3.901	4.625	4.254	.6587	107.8	36.41	137.2	6.626	.3404
#1	.0651	.0406	.0508	.0857	.0005	.0004	.0000	.0179	.0209
#2	.0616	.0380	.0479	.0865	.0001	.0002	.0014	.0197	.0208

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0007**	**.0064**	**.0007**	**.0068**	**-.0014**	**.0004**
Stddev	.0000	.0001	.0006	.0001	.0028	.0006	.0003
%RSD	2.514	17.45	8.618	16.48	41.40	40.62	76.26
#1	.0003	.0007	.0068	.0008	.0048	-.0010	.0002
#2	.0003	.0006	.0060	.0006	.0088	-.0018	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	30588.	5354.2	962.05	2131.5
Stddev	114.	19.9	1.74	8.5
%RSD	.37288	.37122	.18059	.39682
#1	30507.	5368.3	963.28	2137.5
#2	30669.	5340.2	960.82	2125.6

Zoom In Zoom Out

Sample Name: mp79723-b1 Acquired: 5/29/2014 23:09:55 Type: Unk
Method: Accutest1(v179) 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	**3.990**	**.1042**	**.1090**	**.9904**	**.4239**	**.4785**	**1.027**	**.9929**	**.0856**
Stddev	.006	.0001	.0006	.0020	.0145	.0174	.037	.0052	.0011
%RSD	.1483	.1118	.5306	.1979	3.414	3.631	3.614	.5205	1.287
#1	3.994	.1041	.1086	.9890	.4342	.4907	1.053	.9893	.0864
#2	3.986	.1043	.1094	.9918	.4137	.4662	1.001	.9966	.0848

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9448**	**1.022**	**3.871**	**4.191**	**1.036**	**3.874**	**.9636**	**54.58**	**13.30**
Stddev	.0375	.005	.022	.006	.004	.027	.0053	.03	.05
%RSD	3.971	.5295	.5662	.1558	.4309	.6919	.5487	.0518	.3444
#1	.9714	1.018	3.856	4.186	1.033	3.855	.9598	54.60	13.27
#2	.9183	1.026	3.887	4.195	1.040	3.893	.9673	54.56	13.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**54.34**	**13.16**	**12.83**	**12.57**	**.0001**	**.0024**	**.0011**	**.0580**	**.0201**
Stddev	.10	.07	.00	.03	.0009	.0001	.0004	.0015	.0007
%RSD	.1855	.5532	.0375	.2260	636.2	4.256	38.33	2.606	3.405
#1	54.26	13.11	12.83	12.59	.0008	.0024	.0014	.0570	.0196
#2	54.41	13.21	12.83	12.55	-.0005	.0023	.0008	.0591	.0206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0039**	**.0309**	**.0048**	**.0037**	**.0004**	**.0003**
Stddev	.0001	.0002	.0002	.0002	.0013	.0008	.0001
%RSD	39.79	5.476	.7727	3.383	34.59	185.2	24.60
#1	.0001	.0041	.0310	.0049	.0028	-.0001	.0002
#2	.0002	.0038	.0307	.0047	.0046	.0009	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	29750.	5307.9	923.26	1960.9
Stddev	1037.	20.3	5.43	7.5
%RSD	3.4862	.38320	.58815	.38114
#1	29016.	5322.3	927.10	1966.2
#2	30483.	5293.5	919.42	1955.6

Zoom In Zoom Out

Sample Name: mp79723-s1 Acquired: 5/29/2014 23:15:52 Type: Unk
Method: Accutest1(v179) 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	**5.764**	**.1012**	**.0984**	**1.031**	**.6339**	**.5598**	**5.295**	**1.197**	**.0798**
Stddev	.043	.0010	.0007	.005	.0027	.0009	.003	.004	.0010
%RSD	.7458	.9730	.6894	.4631	.4208	.1557	.0502	.3554	1.303
#1	5.734	.1005	.0989	1.034	.6358	.5604	5.297	1.200	.0791
#2	5.795	.1019	.0980	1.027	.6320	.5592	5.293	1.194	.0806

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.098**	**1.603**	**3.432**	**3.656**	**1.090**	**3.374**	**.4396**	**219.5**	**41.70**
Stddev	.002	.013	.025	.012	.002	.019	.0036	1.6	.34
%RSD	.1930	.8215	.7326	.3282	.1951	.5539	.8157	.7101	.8099
#1	1.100	1.612	3.450	3.664	1.092	3.388	.4421	218.4	41.46
#2	1.097	1.594	3.414	3.648	1.089	3.361	.4371	220.6	41.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**302.6**	**96.90**	**55.81**	**13.61**	**.2470**	**.0074**	**.0003**	**4.454**	**.0302**
Stddev	2.3	.87	.35	.13	.0012	.0001	.0008	.033	.0005
%RSD	.7766	.8944	.6223	.9355	.4670	.8073	264.7	.7435	1.499
#1	301.0	96.29	55.56	13.52	.2478	.0074	-.0003	4.477	.0298
#2	304.3	97.51	56.05	13.70	.2462	.0075	.0009	4.430	.0305

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1549**	**3.565**	**.0345**	**.0836**	**.6727**	**-.0093**	**.4640**
Stddev	.0011	.010	.0002	.0003	.0062	.0007	.0042
%RSD	.7080	.2685	.7228	.3269	.9142	7.528	.9019
#1	.1541	3.572	.0343	.0838	.6771	-.0097	.4610
#2	.1556	3.559	.0347	.0835	.6684	-.0088	.4669

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	31628.	5996.5	1001.0	1933.5
Stddev	21.	55.6	5.6	5.0
%RSD	.06775	.92707	.56351	.25875
#1	31612.	6035.8	997.02	1929.9
#2	31643.	5957.2	1005.0	1937.0

Zoom In Zoom Out

Sample Name: mp79723-s2 Acquired: 5/29/2014 23:21:48 Type: Unk
Method: Accutest1(v179) 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	**5.128**	**.1008**	**.0985**	**1.002**	**.6385**	**.5847**	**4.825**	**1.149**	**.0827**
Stddev	.022	.0000	.0001	.001	.0004	.0002	.010	.000	.0003
%RSD	.4383	.0399	.1153	.1326	.0580	.0297	.2124	.0072	.3148
#1	5.112	.1008	.0985	1.001	.6382	.5845	4.818	1.149	.0825
#2	5.144	.1007	.0986	1.003	.6388	.5848	4.832	1.149	.0829

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.139**	**1.638**	**3.432**	**3.649**	**1.093**	**3.398**	**.4022**	**240.3**	**35.60**
Stddev	.003	.006	.001	.005	.004	.002	.0023	1.2	.14
%RSD	.2629	.3853	.0246	.1373	.3277	.0465	.5807	.4829	.4048
#1	1.137	1.633	3.431	3.646	1.090	3.399	.4039	239.5	35.50
#2	1.141	1.642	3.433	3.653	1.096	3.397	.4006	241.1	35.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**301.1**	**94.81**	**64.25**	**14.14**	**.3101**	**.0073**	**.0004**	**4.454**	**.0330**
Stddev	1.1	.48	.24	.05	.0001	.0001	.0006	.009	.0006
%RSD	.3556	.5080	.3682	.3555	.0474	.8596	151.9	.2041	1.776
#1	300.3	94.47	64.09	14.11	.3102	.0073	-.0000	4.461	.0326
#2	301.8	95.15	64.42	14.18	.3100	.0072	.0008	4.448	.0334

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1513**	**4.358**	**.0342**	**.0971**	**.3707**	**-.0082**	**.4358**
Stddev	.0006	.001	.0002	.0001	.0008	.0010	.0031
%RSD	.3728	.0169	.4664	.0818	.2186	12.76	.7039
#1	.1509	4.358	.0341	.0971	.3713	-.0089	.4337
#2	.1517	4.359	.0343	.0970	.3701	-.0075	.4380

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31397.**	**5913.2**	**1000.7**	**1935.5**
Stddev	37.	15.8	3.0	6.4
%RSD	.11632	.26691	.29721	.33123
#1	31423.	5924.4	998.62	1931.0
#2	31372.	5902.0	1002.8	1940.1

Zoom In Zoom Out

Sample Name: jb67521-3 Acquired: 5/29/2014 23:27:43 Type: Unk
Method: Accutest1(v179) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: QC (723)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.582**	**.0087**	**.0009**	**.1104**	**.2559**	**.1328**	**4.643**	**.2566**	**.0032**
Stddev	.001	.0000	.0001	.0001	.0001	.0000	.003	.0006	.0003
%RSD	.0585	.1291	8.231	.1225	.0268	.0237	.0666	.2174	9.644
#1	1.582	.0087	.0010	.1105	.2559	.1328	4.645	.2570	.0030
#2	1.583	.0087	.0009	.1103	.2558	.1328	4.641	.2562	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2821**	**.7269**	**.0282**	**.0042**	**.1722**	**.0070**	**.0053**	**161.6**	**26.86**
Stddev	.0011	.0024	.0004	.0004	.0001	.0017	.0003	.3	.17
%RSD	.3830	.3268	1.490	9.899	.0386	23.93	5.240	.2130	.6155
#1	.2813	.7286	.0285	.0045	.1722	.0082	.0051	161.4	26.74
#2	.2828	.7253	.0279	.0039	.1721	.0058	.0055	161.8	26.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**265.2**	**75.82**	**39.53**	**2.348**	**.2127**	**.0059**	**.0012**	**2.713**	**.0316**
Stddev	.7	.54	.07	.007	.0002	.0001	.0006	.023	.0007
%RSD	.2536	.7062	.1890	.2819	.1007	1.812	52.26	.8549	2.362
#1	264.7	75.44	39.47	2.353	.2129	.0058	.0016	2.730	.0321
#2	265.6	76.20	39.58	2.344	.2126	.0059	.0008	2.697	.0311

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1644**	**3.740**	**.0093**	**.0871**	**.4979**	**-.0083**	**.4213**
Stddev	.0004	.010	.0008	.0000	.0031	.0001	.0008
%RSD	.2459	.2690	8.286	.0252	.6299	.6715	.1946
#1	.1641	3.747	.0098	.0871	.5001	-.0083	.4207
#2	.1647	3.733	.0087	.0872	.4957	-.0083	.4218

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**32104.**	**6061.4**	**1016.7**	**1968.1**
Stddev	31.	28.3	6.4	14.6
%RSD	.09771	.46745	.62906	.74320
#1	32081.	6081.4	1012.1	1957.7
#2	32126.	6041.4	1021.2	1978.4

Zoom In Zoom Out

Sample Name: mp79723-sd1 Acquired: 5/29/2014 23:33:44 Type: Unk
Method: Accutest1(v179) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Dil 521-3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.705**	**.0096**	**-.0004**	**.1154**	**.2910**	**.1428**	**5.346**	**.2723**	**.0049**
Stddev	.005	.0005	.0009	.0012	.0019	.0004	.011	.0003	.0004
%RSD	.2684	4.930	221.7	1.081	.6549	.2694	.2108	.1145	8.307
#1	1.708	.0092	.0002	.1145	.2923	.1431	5.354	.2721	.0046
#2	1.702	.0099	-.0010	.1162	.2896	.1425	5.339	.2725	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3144**	**.8318**	**.0275**	**.0109**	**.1930**	**.0129**	**.0077**	**173.3**	**29.91**
Stddev	.0000	.0011	.0031	.0017	.0004	.0065	.0032	.5	.05
%RSD	.0023	.1378	11.18	15.59	.2077	50.00	41.41	.2808	.1671
#1	.3144	.8310	.0253	.0121	.1933	.0175	.0055	173.6	29.88
#2	.3144	.8326	.0297	.0097	.1927	.0083	.0100	172.9	29.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**299.6**	**82.40**	**42.27**	**2.577**	**.2385**	**.0045**	**-.0025**	**2.993**	**.0351**
Stddev	.4	.02	.00	.032	.0012	.0002	.0022	.005	.0004
%RSD	.1264	.0242	.0050	1.232	.4980	3.648	86.39	.1800	1.087
#1	299.9	82.41	42.27	2.599	.2393	.0044	-.0040	2.989	.0348
#2	299.4	82.39	42.28	2.554	.2377	.0046	-.0010	2.997	.0354

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1788**	**4.154**	**.0107**	**.0921**	**.5472**	**-.0115**	**.4579**
Stddev	.0004	.006	.0067	.0016	.0072	.0019	.0009
%RSD	.2389	.1567	62.20	1.708	1.309	16.26	.2044
#1	.1785	4.149	.0060	.0933	.5421	-.0102	.4585
#2	.1791	4.159	.0154	.0910	.5522	-.0128	.4572

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**30588.**	**5625.7**	**977.44**	**2040.6**
Stddev	28.	1.0	2.67	.3
%RSD	.09077	.01724	.27337	.01698
#1	30568.	5626.3	979.33	2040.8
#2	30607.	5625.0	975.55	2040.3

Zoom In Zoom Out

Sample Name: jb67515-1 Acquired: 5/29/2014 23:39:49 Type: Unk
Method: Accutest1(v179) 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	**.9640**	**.0044**	**.0011**	**.0630**	**.1498**	**.2222**	**2.693**	**.1493**	**.0068**
Stddev	.0639	.0002	.0000	.0001	.0012	.0012	.003	.0002	.0048
%RSD	6.626	4.187	3.945	.0845	.8001	.5298	.1239	.1069	71.25
#1	1.009	.0046	.0011	.0631	.1506	.2230	2.696	.1491	.0102
#2	.9188	.0043	.0011	.0630	.1490	.2213	2.691	.1494	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1912**	**.5688**	**.0224**	**.0015**	**.7368**	**.0055**	**.0039**	**93.37**	**32.28**
Stddev	.0000	.0005	.0023	.0014	.0000	.0001	.0002	6.29	2.20
%RSD	.0021	.0963	10.44	90.98	.0060	1.855	4.531	6.735	6.825
#1	.1912	.5684	.0241	.0025	.7368	.0056	.0040	97.81	33.83
#2	.1912	.5692	.0208	.0005	.7369	.0055	.0038	88.92	30.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**156.0**	**42.36**	**21.44**	**2.149**	**.0909**	**.0036**	**.0002**	**2.474**	**.0391**
Stddev	10.4	2.83	1.37	.136	.0012	.0004	.0009	.001	.0002
%RSD	6.654	6.671	6.384	6.332	1.318	11.97	472.9	.0410	.4362
#1	163.3	44.36	22.41	2.245	.0900	.0039	.0008	2.474	.0390
#2	148.7	40.36	20.47	2.052	.0917	.0033	-.0005	2.475	.0392

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1619**	**3.174**	**.0067**	**.0584**	**3.618**	**-.0079**	**.1690**
Stddev	.0106	.002	.0004	.0002	.004	.0002	.0112
%RSD	6.566	.0502	6.055	.3014	.0980	2.125	6.605
#1	.1694	3.173	.0069	.0585	3.616	-.0078	.1769
#2	.1544	3.175	.0064	.0583	3.621	-.0081	.1611

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**32026.**	**5859.8**	**1012.7**	**1990.4**
Stddev	31.	360.7	.9	4.2
%RSD	.09624	6.1560	.08786	.21173
#1	32048.	5604.7	1013.3	1993.4
#2	32004.	6114.8	1012.1	1987.4

Zoom In Zoom Out

Sample Name: jb67515-2 Acquired: 5/29/2014 23:45:51 Type: Unk
Method: Accutest1(v179) 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	**.2122**	**.0029**	**.0005**	**.0384**	**.0936**	**.0992**	**.8845**	**.0805**	**.0012**
Stddev	.0006	.0001	.0001	.0000	.0003	.0000	.0032	.0005	.0010
%RSD	.2911	2.681	30.62	.0758	.2712	.0139	.3627	.6440	81.88
#1	.2117	.0028	.0004	.0384	.0934	.0992	.8822	.0801	.0005
#2	.2126	.0029	.0006	.0384	.0938	.0992	.8867	.0809	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1270**	**.1957**	**.0096**	**.0019**	**.0500**	**.0025**	**.0025**	**48.88**	**8.498**
Stddev	.0004	.0000	.0007	.0011	.0011	.0018	.0004	.16	.011
%RSD	.3484	.0154	6.865	60.92	2.132	70.77	14.76	.3282	.1310
#1	.1273	.1957	.0101	.0011	.0493	.0013	.0022	48.77	8.505
#2	.1267	.1957	.0091	.0027	.0508	.0038	.0027	49.00	8.490

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**111.2**	**20.46**	**11.16**	**1.359**	**.0657**	**.0019**	**.0018**	**2.052**	**.0255**
Stddev	.4	.04	.05	.010	.0001	.0000	.0007	.007	.0002
%RSD	.3447	.2077	.4071	.7075	.0864	1.196	37.63	.3301	.8624
#1	110.9	20.43	11.12	1.353	.0658	.0019	.0023	2.056	.0253
#2	111.4	20.49	11.19	1.366	.0657	.0019	.0013	2.047	.0256

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0572**	**1.794**	**.0027**	**.0429**	**12.25**	**-.0048**	**.0837**
Stddev	.0001	.003	.0002	.0001	.03	.0002	.0000
%RSD	.2520	.1740	6.909	.2243	.2266	4.522	.0011
#1	.0571	1.792	.0029	.0429	12.27	-.0049	.0837
#2	.0573	1.796	.0026	.0430	12.23	-.0046	.0837

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**31529.**	**5844.3**	**995.38**	**2034.0**
Stddev	65.	10.8	1.50	4.3
%RSD	.20597	.18445	.15038	.21045
#1	31575.	5851.9	994.33	2037.0
#2	31483.	5836.6	996.44	2031.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/29/2014 23:51:54 Type: QC
Method: Accutest1(v179) 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	**1.929**	**1.964**	**1.994**	**2.032**	**2.084**	**1.985**	**2.107**	**2.014**	**.2495**
Stddev	.026	.022	.052	.049	.096	.097	.102	.050	.0114
%RSD	1.341	1.147	2.589	2.416	4.620	4.872	4.833	2.494	4.582
#1	1.948	1.979	1.957	1.998	2.152	2.053	2.179	1.979	.2575
#2	1.911	1.948	2.030	2.067	2.016	1.917	2.035	2.050	.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	**2.081**	**2.058**	**1.986**	**2.111**	**2.103**	**1.978**	**1.977**	**39.06**	**39.97**
Stddev	.095	.057	.056	.046	.048	.050	.052	.44	.37
%RSD	4.540	2.787	2.832	2.165	2.259	2.538	2.652	1.133	.9240
#1	2.148	2.018	1.946	2.079	2.069	1.942	1.940	39.37	40.24
#2	2.014	2.099	2.026	2.144	2.137	2.013	2.014	38.74	39.71
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	**39.66**	**39.40**	**38.88**	**38.91**	**2.014**	**2.010**	**2.012**	**5.027**	**2.064**
Stddev	.43	.30	.39	.49	.051	.053	.092	.129	.054
%RSD	1.083	.7587	.9961	1.260	2.512	2.620	4.586	2.559	2.630
#1	39.97	39.61	39.15	39.26	1.978	1.973	2.078	4.936	2.025
#2	39.36	39.18	38.60	38.57	2.050	2.047	1.947	5.118	2.102
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: 5/29/2014 23:51:54 Type: QC
Method: Accutest1(v179) 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	**1.932**	**2.050**	**1.932**	**2.044**	**1.943**	**1.969**	**1.913**
Stddev	.026	.098	.061	.098	.052	.049	.021
%RSD	1.324	4.784	3.185	4.788	2.674	2.492	1.080
#1	1.950	2.119	1.888	2.113	1.907	1.934	1.928
#2	1.914	1.981	1.975	1.975	1.980	2.003	1.898
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	**28307.**	**5593.9**	**901.25**	**1884.7**
Stddev	1217.	48.8	20.74	39.3
%RSD	4.2986	.87255	2.3014	2.0826
#1	27447.	5559.4	915.92	1912.5
#2	29167.	5628.4	886.59	1856.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 23:57:49 Type: QC
Method: Accutest1(v179) 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	**.0012**	**.0009**	**.0007**	**.0010**	W **.0016**	**.0006**	**.0011**	**.0012**
Stddev	.0000	.0000	.0001	.0002	.0005	.0002	.0000	.0001
%RSD	2.485	2.104	18.30	21.49	30.12	28.48	2.908	7.485
#1	.0012	.0010	.0008	.0011	.0019	.0005	.0011	.0013
#2	.0011	.0009	.0006	.0008	.0012	.0008	.0010	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					.0012			
Low Limit					-.0012			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0013**	**.0008**	**.0015**	**.0006**	**.0014**	**-.0010**	**.0015**
Stddev	.0003	.0001	.0002	.0016	.0006	.0006	.0014	.0010
%RSD	189.6	10.07	22.96	104.9	94.69	45.02	138.6	65.22
#1	-.0001	.0014	.0010	.0004	.0011	.0010	-.0000	.0022
#2	.0004	.0012	.0007	.0027	.0002	.0019	-.0020	.0008
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	**.0207**	**.0271**	W **.0275**	**.0254**	**.0662**	**.0383**	**.0013**	**.0018**
Stddev	.0073	.0047	.0019	.0090	.0069	.0053	.0002	.0003
%RSD	35.34	17.39	6.791	35.52	10.38	13.95	16.92	15.29
#1	.0155	.0304	.0288	.0318	.0710	.0421	.0014	.0020
#2	.0258	.0238	.0261	.0190	.0613	.0346	.0011	.0016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/29/2014 23:57:49 Type: QC
Method: Accutest1(v179) 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**	**.0042**	**.0010**	W **.0011**	**.0008**	W **.0166**	W **.0018**	**-.0009**
Stddev	.0006	.0003	.0003	.0001	.0001	.0025	.0001	.0005
%RSD	83.83	8.214	30.66	7.297	15.92	14.93	3.433	55.31
#1	.0011	.0045	.0012	.0012	.0009	.0183	.0017	-.0012
#2	.0003	.0040	.0008	.0011	.0007	.0148	.0018	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit				.0010		.0159	.0012	
Low Limit				-.0010		-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0002**	**.0016**
Stddev	.0001	.0011
%RSD	51.65	68.31
#1	.0002	.0023
#2	.0003	.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	**30626.**	**5408.6**	**974.48**	**2151.0**
Stddev	247.	79.1	7.09	14.1
%RSD	.80571	1.4629	.72734	.65550
#1	30801.	5352.7	969.46	2141.0
#2	30452.	5464.6	979.49	2160.9

Zoom In Zoom Out

Sample Name: cri Acquired: 5/30/2014 0:04:01 Type: QC
Method: Accutest1(v179) 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	**.2180**	**.0025**	**.0034**	**.0551**	**.0126**	**.0115**	**.0185**	**.0112**	**.0058**
Stddev	.0027	.0001	.0000	.0009	.0007	.0008	.0009	.0001	.0001
%RSD	1.258	2.053	.6026	1.669	5.357	7.223	4.841	1.086	2.401
#1	.2161	.0024	.0034	.0558	.0121	.0109	.0179	.0113	.0059
#2	.2199	.0025	.0034	.0545	.0130	.0121	.0191	.0111	.0057
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	**.0584**	**.0250**	**.0098**	**.0127**	**.0036**	**.0125**	**.0061**	**.2310**	**5.673**
Stddev	.0025	.0003	.0013	.0000	.0006	.0014	.0008	.0004	.079
%RSD	4.292	1.152	13.33	.1693	16.18	11.37	13.02	.1566	1.393
#1	.0566	.0252	.0107	.0127	.0032	.0135	.0067	.2312	5.617
#2	.0601	.0248	.0088	.0126	.0040	.0115	.0056	.2307	5.729
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	**.1231**	**5.745**	**5.425**	**5.403**	**.1095**	**.0224**	**.0623**	**.2135**	**.0116**
Stddev	.0014	.051	.070	.067	.0006	.0004	.0027	.0046	.0004
%RSD	1.168	.8827	1.283	1.246	.5327	1.799	4.334	2.162	3.438
#1	.1221	5.709	5.376	5.355	.1099	.0226	.0604	.2168	.0119
#2	.1241	5.781	5.474	5.450	.1090	.0221	.0642	.2103	.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: 5/30/2014 0:04:01 Type: QC
Method: Accutest1(v179) 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	**.0114**	**.0115**	F **.0702**	F **.0135**	**.0500**	**.0224**	**.0231**
Stddev	.0001	.0006	.0003	.0006	.0020	.0012	.0007
%RSD	.8568	4.958	.4408	4.682	4.007	5.555	2.860
#1	.0113	.0111	.0705	.0131	.0514	.0233	.0236
#2	.0114	.0119	.0700	.0140	.0486	.0215	.0227
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0500	.0100			
Range			30.00%	30.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**28769.**	**5376.0**	**948.97**	**2059.7**
Stddev	1286.	69.3	11.74	20.2
%RSD	4.4714	1.2885	1.2368	.98036
#1	29679.	5424.9	940.67	2045.4
#2	27859.	5327.0	957.27	2074.0

Zoom In Zoom Out

Sample Name: crid Acquired: 5/30/2014 0:10:10 Type: QC
Method: Accutest1(v179) 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	**.0045**	**.0010**	**.0009**	**.0034**	F **.0031**	**.0019**	**.0035**	**.0047**
Stddev	.0000	.0000	.0001	.0001	.0000	.0002	.0000	.0000
%RSD	1.028	1.272	8.700	1.521	.7603	9.625	.1176	.4022
#1	.0046	.0010	.0008	.0033	.0031	.0017	.0035	.0047
#2	.0045	.0010	.0009	.0034	.0031	.0020	.0035	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.0020			
Range					30.00%			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0023**	**.0125**	**.0037**	**.0021**	**.0028**	**.0042**	**.0029**
Stddev	.0004	.0000	.0000	.0008	.0006	.0009	.0025	.0009
%RSD	50.91	.4645	.1535	22.69	28.34	32.34	58.84	32.35
#1	.0010	.0023	.0125	.0043	.0017	.0022	.0060	.0022
#2	.0005	.0023	.0125	.0031	.0025	.0034	.0025	.0035
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	**.1055**	**1.107**	**.0031**	**.1041**	**2.129**	**1.054**	**.0104**	**.0001**
Stddev	.0036	.001	.0015	.0033	.023	.003	.0004	.0001
%RSD	3.428	.1294	50.47	3.196	1.079	.2816	3.384	112.8
#1	.1029	1.106	.0042	.1064	2.113	1.052	.0102	.0000
#2	.1081	1.108	.0020	.1017	2.145	1.056	.0107	.0002
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: 5/30/2014 0:10:10 Type: QC
Method: Accutest1(v179) 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**	**-.0018**	**.0003**	**.0001**	**-.0001**	**.0038**	F **.0003**	F **-.0012**
Stddev	.0011	.0002	.0007	.0000	.0000	.0008	.0001	.0031
%RSD	1014.	12.21	234.3	27.08	15.82	21.28	50.65	261.2
#1	.0009	-.0019	.0007	.0001	-.0001	.0044	.0002	.0010
#2	-.0007	-.0016	-.0002	.0001	-.0001	.0032	.0004	-.0034
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 **-.0007**	F **.0005**
Stddev	.0004	.0006
%RSD	55.57	117.8
#1	-.0004	.0009
#2	-.0009	.0001
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	**30642.**	**5566.8**	**963.07**	**2111.3**
Stddev	93.	27.7	5.12	14.4
%RSD	.30235	.49731	.53115	.68028
#1	30708.	5547.3	966.69	2121.5
#2	30577.	5586.4	959.45	2101.2

Zoom In Zoom Out

Sample Name: cria Acquired: 5/30/2014 0:16:19 Type: QC
Method: Accutest1(v179) 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**	**.0003**	**-.0003**	**.0001**	**.0002**	**-.0006**
Stddev	.0000	.0000	.0000	.0000	.0003	.0002	.0001	.0001	.0005
%RSD	23.95	37.34	31.15	97.10	114.3	74.04	59.41	76.76	85.20
#1	-.0001	-.0001	-.0002	.0000	.0005	-.0004	.0002	.0003	-.0010
#2	-.0002	-.0000	-.0001	.0000	.0001	-.0001	.0001	.0001	-.0002
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	**.0002**	**.0025**	**.0199**	**.0013**	**.0231**	**.0197**	**.0203**	**.5290**	**.0306**
Stddev	.0003	.0000	.0003	.0003	.0001	.0007	.0011	.0022	.0005
%RSD	113.6	1.002	1.400	19.92	.3074	3.739	5.567	.4092	1.779
#1	.0004	.0025	.0201	.0011	.0230	.0192	.0211	.5274	.0302
#2	.0000	.0025	.0197	.0015	.0231	.0202	.0195	.5305	.0309
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	**.5526**	**-.0050**	**.0059**	**.0032**	**-.0005**	**-.0001**	**.0000**	**-.0025**	**.0005**
Stddev	.0026	.0072	.0256	.0011	.0007	.0000	.0009	.0006	.0003
%RSD	.4693	144.7	434.4	35.59	129.4	25.66	1877.	23.27	68.63
#1	.5544	.0001	-.0122	.0040	-.0010	-.0001	.0007	-.0029	.0002
#2	.5507	-.0101	.0240	.0024	-.0000	-.0001	-.0006	-.0021	.0007
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/30/2014 0:16:19 Type: QC
Method: Accutest1(v179) 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**	**.0019**	**.0001**	**-.0008**	**.0005**	**.0001**
Stddev	.0000	.0005	.0015	.0001	.0017	.0011	.0015
%RSD	33.71	430.4	76.59	66.82	228.3	236.7	1169.
#1	.0000	-.0005	.0009	.0001	-.0020	.0012	.0012
#2	.0001	.0002	.0029	.0002	.0005	-.0003	-.0009
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	**30926.**	**5569.3**	**970.98**	**2141.2**
Stddev	61.	12.2	.02	4.9
%RSD	.19695	.21967	.00249	.22933
#1	30969.	5560.6	970.99	2144.7
#2	30883.	5577.9	970.96	2137.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/30/2014 0:22:31 Type: QC
Method: Accutest1(v179) 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	**-.0014**	**-.0000**	**.0004**	**.0005**	**.0019**	**-.0056**	**.0081**	**.0018**	**.0005**
Stddev	.0002	.0000	.0002	.0005	.0001	.0009	.0000	.0002	.0000
%RSD	12.22	37.81	51.14	94.20	2.870	15.33	.2410	10.37	4.740
#1	-.0016	-.0000	.0005	.0009	.0019	-.0050	.0081	.0017	.0005
#2	-.0013	-.0000	.0002	.0002	.0020	-.0062	.0081	.0020	.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	**-.0014**	**.0026**	**-.0012**	**.0031**	**.0007**	**.0061**	**.0089**	**536.7**	**412.2**
Stddev	.0001	.0002	.0017	.0001	.0017	.0002	.0008	7.2	1.8
%RSD	6.174	9.010	146.8	2.452	240.9	2.741	8.874	1.344	.4245
#1	-.0015	.0028	.0000	.0032	-.0005	.0063	.0083	531.6	413.5
#2	-.0014	.0024	-.0024	.0031	.0019	.0060	.0095	541.8	411.0
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	**204.4**	**553.6**	**.3330**	**.0314**	**-.0009**	**-.0013**	**-.0019**	**-.0020**	**-.0024**
Stddev	1.2	1.9	.0016	.0027	.0005	.0000	.0000	.0001	.0005
%RSD	.6084	.3385	.4838	8.438	58.49	.9375	.2296	3.083	22.11
#1	205.3	554.9	.3318	.0333	-.0005	-.0013	-.0019	-.0020	-.0028
#2	203.5	552.3	.3341	.0296	-.0012	-.0013	-.0019	-.0019	-.0021
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: 5/30/2014 0:22:31 Type: QC
Method: Accutest1(v179) 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	**-.0064**	**.0002**	**.0058**	**.0047**	**-.0402**	**-.0128**	**.0041**
Stddev	.0001	.0000	.0018	.0001	.0020	.0006	.0009
%RSD	1.106	14.52	31.69	2.116	4.927	4.980	21.95
#1	-.0063	.0002	.0071	.0046	-.0388	-.0124	.0048
#2	-.0064	.0003	.0045	.0048	-.0416	-.0133	.0035
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	**25975.**	**5026.5**	**835.79**	**1718.1**
Stddev	22.	10.4	3.61	4.7
%RSD	.08322	.20702	.43164	.27493
#1	25959.	5019.1	833.23	1714.8
#2	25990.	5033.8	838.34	1721.5

Zoom In Zoom Out

Sample Name: icsab Acquired: 5/30/2014 0:28:41 Type: QC
Method: Accutest1(v179) 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	**.5350**	**.5227**	**1.022**	**.4789**	**.5002**	**.5354**	**.5216**	**.9381**	**1.052**
Stddev	.0005	.0007	.005	.0018	.0031	.0009	.0024	.0026	.001
%RSD	.1013	.1432	.4747	.3822	.6286	.1631	.4512	.2729	.0974
#1	.5354	.5222	1.025	.4802	.4980	.5360	.5199	.9399	1.052
#2	.5346	.5233	1.018	.4777	.5024	.5348	.5232	.9363	1.053
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	**.4778**	**.9671**	**1.136**	**.9422**	**.9657**	**1.038**	**1.043**	**519.3**	**411.2**
Stddev	.0024	.0023	.000	.0052	.0003	.001	.006	3.6	1.5
%RSD	.4972	.2403	.0337	.5520	.0318	.1242	.5866	.6863	.3663
#1	.4761	.9688	1.136	.9459	.9655	1.037	1.048	516.8	410.1
#2	.4795	.9655	1.135	.9386	.9660	1.039	1.039	521.8	412.2
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	**199.9**	**544.3**	**.2144**	**.0370**	**.0001**	**.4906**	**.5542**	**.0002**	**-.0027**
Stddev	.1	1.4	.0019	.0055	.0008	.0013	.0009	.0008	.0020
%RSD	.0677	.2634	.8640	14.81	665.7	.2552	.1592	363.8	72.14
#1	199.8	543.3	.2157	.0409	.0006	.4915	.5548	-.0004	-.0042
#2	200.0	545.3	.2131	.0332	-.0004	.4897	.5536	.0008	-.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: 5/30/2014 0:28:41 Type: QC
Method: Accutest1(v179) 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	**-.0063**	**.0013**	**.5118**	**.5411**	**.4452**	**.4978**	**.5706**
Stddev	.0001	.0003	.0029	.0009	.0047	.0008	.0012
%RSD	1.183	23.09	.5759	.1609	1.049	.1677	.2119
#1	-.0062	.0015	.5097	.5405	.4485	.4984	.5697
#2	-.0063	.0011	.5139	.5417	.4419	.4972	.5714
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	**25874.**	**5063.5**	**833.51**	**1718.7**
Stddev	35.	2.6	2.71	4.8
%RSD	.13421	.05135	.32496	.27743
#1	25898.	5065.3	831.59	1715.4
#2	25849.	5061.7	835.43	1722.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 0:34:44 Type: QC
Method: Accutest1(v179) 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	**1.970**	**2.016**	**1.958**	**2.003**	**2.045**	**1.944**	**2.076**	**1.982**	**.2455**
Stddev	.000	.004	.002	.003	.001	.001	.005	.001	.0008
%RSD	.0128	.2012	.1001	.1375	.0234	.0433	.2483	.0261	.3232
#1	1.970	2.019	1.960	2.002	2.044	1.945	2.072	1.982	.2461
#2	1.970	2.014	1.957	2.005	2.045	1.944	2.080	1.983	.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	**2.044**	**2.024**	**1.959**	**2.086**	**2.080**	**1.950**	**1.947**	**40.12**	**41.33**
Stddev	.001	.001	.005	.010	.001	.004	.003	.12	.23
%RSD	.0690	.0613	.2539	.4612	.0401	.1783	.1632	.2951	.5537
#1	2.043	2.023	1.956	2.079	2.080	1.952	1.950	40.21	41.49
#2	2.045	2.025	1.963	2.093	2.079	1.947	1.945	40.04	41.17
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	**40.60**	**40.77**	**39.83**	**39.54**	**1.984**	**1.974**	**1.970**	**4.949**	**2.029**
Stddev	.10	.26	.00	.03	.003	.002	.005	.007	.004
%RSD	.2584	.6362	.0069	.0769	.1298	.0986	.2520	.1375	.1965
#1	40.67	40.95	39.83	39.56	1.983	1.973	1.967	4.945	2.027
#2	40.52	40.58	39.83	39.52	1.986	1.976	1.974	4.954	2.032
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: 5/30/2014 0:34:44 Type: QC
Method: Accutest1(v179) 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	**1.972**	**2.004**	**1.910**	**2.007**	**1.913**	**1.938**	**1.951**
Stddev	.002	.003	.016	.004	.005	.000	.002
%RSD	.0875	.1432	.8598	.1953	.2495	.0044	.1229
#1	1.971	2.006	1.899	2.004	1.916	1.938	1.949
#2	1.973	2.002	1.922	2.010	1.909	1.938	1.953
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	**28908.**	**5443.7**	**918.06**	**1912.6**
Stddev	2.	42.4	1.00	2.6
%RSD	.00582	.77927	.10894	.13360
#1	28907.	5413.7	918.76	1914.4
#2	28909.	5473.7	917.35	1910.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 0:40:38 Type: QC
Method: Accutest1(v179) 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	**.0015**	F **.0012**	**.0007**	**.0011**	W **.0015**	**.0008**	**.0012**	**.0011**
Stddev	.0000	.0001	.0000	.0000	.0003	.0004	.0000	.0002
%RSD	2.567	6.988	3.247	3.249	20.95	43.63	3.356	17.64
#1	.0016	.0013	.0007	.0011	.0017	.0006	.0012	.0012
#2	.0015	.0012	.0007	.0011	.0013	.0011	.0012	.0009
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010			.0012			
Low Limit		-.0010			-.0012			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0012**	**.0009**	**.0008**	F **.0027**	**.0016**	**-.0003**	**.0011**
Stddev	.0005	.0002	.0001	.0006	.0008	.0003	.0008	.0007
%RSD	642.6	13.08	7.270	82.60	31.87	16.14	246.6	65.01
#1	.0003	.0011	.0008	.0012	.0021	.0017	-.0009	.0016
#2	-.0005	.0014	.0009	.0003	.0033	.0014	.0002	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.0020			
Low Limit					-.0020			

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0672**	**.0689**	W **.0444**	**.0720**	**.0563**	**.0361**	**.0010**	**.0019**
Stddev	.0058	.0113	.0052	.0006	.0037	.0004	.0002	.0005
%RSD	8.618	16.43	11.60	.8209	6.598	1.106	23.20	24.92
#1	.0713	.0769	.0481	.0724	.0589	.0358	.0012	.0023
#2	.0631	.0609	.0408	.0716	.0537	.0364	.0008	.0016
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0303		.0100					
Low Limit	-.0303		-.0100					

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 0:40:38 Type: QC
Method: Accutest1(v179) 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	**.0020**	**.0036**	**.0020**	W **.0013**	**.0007**	W **.0193**	W **.0020**	**-.0040**
Stddev	.0011	.0003	.0003	.0001	.0000	.0011	.0001	.0014
%RSD	56.41	8.766	12.92	4.130	6.129	5.851	2.542	35.48
#1	.0012	.0034	.0022	.0013	.0006	.0201	.0021	-.0051
#2	.0028	.0039	.0018	.0013	.0007	.0185	.0020	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit				.0010		.0159	.0012	
Low Limit				-.0010		-.0159	-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0009**	**.0020**
Stddev	.0001	.0006
%RSD	8.449	30.33
#1	.0008	.0024
#2	.0009	.0016
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	**30701.**	**5560.2**	**959.09**	**2121.8**
Stddev	12.	29.5	10.28	17.9
%RSD	.03967	.52974	1.0722	.84466
#1	30693.	5539.4	966.36	2134.5
#2	30710.	5581.0	951.82	2109.2

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	0.000002	0.000000	No
			Zr	0.002000	0.000000	No
Be 313.042 {108}	☒	12	V	0.000200	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000800	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	-0.000050	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.011500	0.000000	No
			Ni	0.000116	0.000000	No
			Fe	0.000010	0.000000	No
			V	0.000161	0.000000	No
			Ba	0.000046	0.000000	No
			Co	-0.004524	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000013	0.000000	No
			Cr	-0.000010	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000276	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	-0.000200	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001100	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001659	0.000000	No
			Ba	-0.000009	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.010000	0.000000	No
			Cd	-0.000050	0.000000	No
			Al	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mg	0.000003	0.000000	No
			Ti	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.000858	0.000000	No
			Zr	-0.000330	0.000000	No
			Si	0.000080	0.000000	No
			Mn	-0.000080	0.000000	No
			Se	0.000050	0.000000	No
			Ba	0.000008	0.000000	No
			Ag	-0.000077	0.000000	No
			Pb	0.000002	0.000000	No
			Sb	0.000370	0.000000	No
			Mg	0.000006	0.000000	No
			Ca	0.000007	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	9	Fe	-0.000059	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000005	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
			Cr	-0.000110	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000028	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	-0.000278	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000004	0.000000	No
			Mo	-0.000030	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000100	0.000000	No
			Se	0.000286	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	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	0.000000	0.000000	No
			Mo	-0.000136	0.000000	No
			Ti	-0.000986	0.000000	No
			Fe	-0.000537	0.000000	No
			V	0.000000	0.000000	No
			Zn	-0.000015	0.000000	No
			Ca	-0.000015	0.000000	No
			Al	-0.000003	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	0.000004	0.000000	No
			Ba	-0.001848	0.000000	No
			Cr	-0.000057	0.000000	No
			Si	-0.000009	0.000000	No
			Zr	0.005200	0.000000	No
			W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No
			Mo	-0.011200	0.000000	No
			Fe	0.000026	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.002120	0.000000	No
			Mn	-0.000513	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000597	0.000000	No
			Mo	0.000444	0.000000	No
			Fe	0.000009	0.000000	No
			Al	0.000006	0.000000	No
			Si	-0.000035	0.000000	No
			Ba	0.000108	0.000000	No
			Na	0.000003	0.000000	No
			Ca	-0.000008	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000456	0.000000	No
			As	0.000200	0.000000	No
			Be	0.000071	0.000000	No
			Pd	0.000280	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
			Mn	0.000400	0.000000	No
As 189.042 {478}	☒	24	Al	-0.000002	0.000000	No
			Fe	-0.000039	0.000000	No
			Ca	-0.000008	0.000000	No
			Mn	-0.000205	0.000000	No
			Mo	0.002736	0.000000	No
			Cr	-0.001880	0.000000	No
			V	-0.000094	0.000000	No
			Co	-0.000905	0.000000	No
			Ba	0.000001	0.000000	No
			W	0.000000	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000194	0.000000	No
			Tl	-0.000370	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000004	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000100	0.000000	No
			Sr	-0.000300	0.000000	No
			Pd	0.025000	0.000000	No
			Zr	-0.001900	0.000000	No
			Ti	-0.000100	0.000000	No
			S	0.000008	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000350	0.000000	No
			Mo	-0.009520	0.000000	No
			Al	0.000004	0.000000	No
			Fe	-0.000097	0.000000	No
			V	-0.030400	0.000000	No
			Mn	0.001090	0.000000	No
			Si	0.000027	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.001696	0.000000	No
			Mg	-0.000004	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002336	0.000000	No
				Sr	0.000270	0.000000	No
				B	-0.000200	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	-0.000120	0.000000	No
				As	-0.000045	0.000000	No
				Ni	0.000000	0.000000	No
				Cu	0.000097	0.000000	No
				Zr	-0.000200	0.000000	No
				Pd	0.000051	0.000000	No
				Pb	0.000035	0.000000	No
				S	-0.000010	0.000000	No
				W	0.000000	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000125	0.000000	No
				Fe	0.000041	0.000000	No
				Ca	0.000011	0.000000	No
				Mn	0.000047	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002321	0.000000	No
				Cu	0.000304	0.000000	No
				V	-0.000238	0.000000	No
				Co	-0.000447	0.000000	No
				Ti	-0.000350	0.000000	No
				Si	-0.000060	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000200	0.000000	No
				Sr	-0.000043	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000010	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000166	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000435	0.000000	No
				Ni	0.000299	0.000000	No
				S	-0.000006	0.000000	No
				Se	0.000096	0.000000	No
				K	0.000000	0.000000	No
	Se 196.090 {472}	☒	24	Al	-0.000009	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000265	0.000000	No
				Mo	0.000287	0.000000	No
				Fe	-0.000175	0.000000	No
				Co	0.000055	0.000000	No
				V	-0.000330	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No
				Si	-0.000190	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	0.000000	0.000000	No
				Pd	0.000300	0.000000	No
				Ti	0.000071	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	-0.000300	0.000000	No
			W	0.030000	0.000000	No
			K	0.000000	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000000	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.001557	0.000000	No
			Cr	0.016200	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000200	0.000000	No
			Ti	0.000854	0.000000	No
			Sn	-0.012177	0.000000	No
			W	0.000000	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000260	0.000000	No
			Sr	0.000151	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.032500	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	-0.000017	0.000000	No
Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
			Ti	0.000000	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004950	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	0.001320	0.000000	No
			Tl	-0.002580	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	-0.000025	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.045250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.000000	0.000000	No
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.002000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027000	0.000000	No
Mo 202.030 {467}	☒	5	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
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000067	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.019800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000022	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.021300	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.009000	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000001	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.002660	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.003073	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
Sr 407.771 { 83}	☒	2	Fe	-0.000000	0.000000	No
			Ca	0.000043	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ti 334.904 {101}	☒	4	Cr	0.000189	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}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.002900	0.000000	No
			Sn	0.001300	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	0.000041	0.000000	No
			Ni	-0.000263	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
Zr 339.198 { 99}	☒	7	Mo	0.000250	0.000000	No
			Ti	0.000090	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Pd	0.000200	0.000000	No
			W	0.000000	0.000000	No
S 182.034 {485}	☒	6	Ca	0.000085	0.000000	No
			Mo	0.000114	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	0.000012	0.000000	No
			Mn	0.002300	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	0.000007	0.000000	No
			Mg	0.000018	0.000000	No
			W	-0.003914	0.000000	No
			Cu	-0.000858	0.000000	No
			Fe	0.000065	0.000000	No
			Cr	0.001500	0.000000	No
			Ti	-0.006467	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	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}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.005034	4.958640	0.000000	1.000000
	Be 313.042 {108}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.001234	5.198816	0.000000	1.000000
	Cd 228.802 {448}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.001542	2.337278	0.000000	1.000000
	Co 228.616 {448}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000029	1.128118	0.000000	1.000000
	Cr 267.716 {126}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000086	0.175843	0.000000	1.000000
	Cu 324.754 {104}2	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.003183	0.441956	0.000000	1.000000
	Mn 257.610 {131}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000028	0.905228	0.000000	1.000000
	Ni 231.604 {446}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000152	0.769530	0.000000	1.000000
	Ag 328.068 {103}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000269	0.242746	0.000000	1.000000
	V 292.402 {115}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000012	0.228337	0.000000	1.000000
	Zn 206.200 {464}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000523	2.197783	0.000000	1.000000
	As 189.042 {478}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000390	0.224888	0.000000	1.000000
	Tl 190.856 {477}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000119	0.114307	0.000000	1.000000
	Pb 220.353 {453}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000275	0.303836	0.000000	1.000000
	Se 196.090 {472}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000862	0.171335	0.000000	1.000000
	Sb 206.833 {463}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000703	0.425617	0.000000	1.000000
	Al 396.152 { 85}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.001010	0.104960	0.000000	1.000000
	Ca 317.933 {106}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.007306	0.116544	0.000000	1.000000
	Fe 259.940 {130}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000563	0.106896	0.000000	1.000000
	Mg 279.079 {121}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000056	0.013815	0.000000	1.000000
	K 766.490 { 44}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.009803	0.104543	0.000000	1.000000
	Na 589.592 { 57}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.009369	0.336412	0.000000	1.000000
	B 208.959 {462}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.001476	0.550859	0.000000	1.000000
	Mo 202.030 {467}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000934	2.001688	0.000000	1.000000
	Pd 340.458 { 99}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000460	0.089570	0.000000	1.000000
	Si 212.412 {459}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.008095	0.586812	0.000000	1.000000
	Sn 189.989 {478}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.000101	0.348000	0.000000	1.000000
	Sr 407.771 { 83}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.001687	9.358906	0.000000	1.000000
	Ti 334.904 {101}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000186	0.257126	0.000000	1.000000
	Y 360.073 { 94}*	5/30/2014 8:57:29	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	5/30/2014 8:57:29	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	5/30/2014 8:57:29	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	5/30/2014 8:57:29	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.003795	0.855086	0.000000	1.000000
	Zr 339.198 { 99}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000289	0.544180	0.000000	1.000000
	S 182.034 {485}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	0.004723	0.118045	0.000000	1.000000
	Bi 223.061 {451}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000221	0.573058	0.000000	1.000000
	Li 670.784 { 50}	5/30/2014 8:57:29	5/29/2014 19:05:21	Linear	1/Conc	-0.000934	2.839300	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	0.000223	0.000742	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000076	0.000254	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000177	0.000590	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000260	0.000867	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000465	0.001550	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000414	0.001379	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000079	0.000263	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000331	0.001104	OK.	1.000000	0.000000	1	0
Ag 328.068 {103}	1.000000	0.000000	0.000631	0.002102	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000408	0.001359	OK.	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000170	0.000567	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001308	0.004360	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.001374	0.004579	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001213	0.004043	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002230	0.007433	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001161	0.003869	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.008852	0.029507	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.003991	0.013304	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.002509	0.008364	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.023457	0.078190	OK.	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.024172	0.080575	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.006780	0.022599	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000623	0.002078	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000214	0.000714	OK.	1.000000	0.000000	1	0
Pd 340.458 { 99}	1.000000	0.000000	0.001550	0.005167	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.000835	0.002782	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.000853	0.002844	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000087	0.000290	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000539	0.001796	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	0.000970	0.003235	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000242	0.000807	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.002718	0.009060	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001088	0.003627	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.000835	0.002783	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 5/30/2014 10:21:44 Type: Cal
Method: Accutest1(v93) 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	**.0042**	**-.0001**	**.0007**	**-.0002**	**.0000**	**.0019**	**.0000**	**-.0010**	**.0000**
Stddev	.0003	.0001	.0001	.0000	.0000	.0000	.0000	.0000	.0000
%RSD	7.320	200.5	18.82	7.808	46.53	.5979	10.86	1.071	80.18
#1	.0044	.0000	.0008	-.0002	.0000	.0019	.0000	-.0010	.0000
#2	.0040	-.0001	.0006	-.0002	.0000	.0020	.0000	-.0010	.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	**-.0001**	**.0013**	**.0000**	**-.0002**	**-.0003**	**.0005**	**.0009**	**.0004**	**.0046**
Stddev	.0000	.0001	.0000	.0000	.0002	.0002	.0000	.0003	.0000
%RSD	15.72	3.882	420.9	4.691	54.17	35.99	2.456	82.16	.7381
#1	-.0001	.0014	.0000	-.0002	-.0002	.0006	.0008	.0002	.0046
#2	-.0001	.0013	.0000	-.0002	-.0004	.0004	.0009	.0006	.0045

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**	**.0000**	**-.0003**	**.0033**	**.0008**	**.0006**	**.0000**	**.0076**	**.0005**
Stddev	.0001	.000	.0006	.0000	.0000	.0003	.000	.0002	.0001
%RSD	103.8	36.25	217.3	.0847	4.820	52.20	121.6	3.047	20.36
#1	.0001	.0000	.0001	.0033	.0008	.0008	-.0001	.0078	.0004
#2	.0000	.0000	-.0007	.0033	.0008	.0004	.0000	.0074	.0006

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	**-.0007**	**-.0002**	**.0015**	**-.0003**	**.0006**	**-.0012**	**-.0017**
Stddev	.0001	.0000	.0005	.0000	.0001	.0002	.0006
%RSD	8.814	4.683	32.13	15.56	13.57	20.24	33.05
#1	-.0008	-.0002	.0019	-.0003	.0006	-.0010	-.0013
#2	-.0007	-.0001	.0012	-.0003	.0005	-.0014	-.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92964.**	**13741.**	**1655.2**	**5696.9**
Stddev	231.	45.	1.6	3.5
%RSD	.24804	.33077	.09615	.06202
#1	92801.	13709.	1654.1	5694.4
#2	93127.	13773.	1656.3	5699.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 5/30/2014 10:28:01 Type: Cal
Method: Accutest1(v93) 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	**12.54**	**10.60**	**5.076**	**1.524**	**.3053**	**1.098**	**.7889**	**1.169**	**.0706**
Stddev	.01	.00	.013	.006	.0006	.008	.0032	.004	.0002
%RSD	.0477	.0263	.2471	.3764	.1920	.7641	.4033	.3861	.3205
#1	12.53	10.60	5.067	1.520	.3049	1.092	.7866	1.166	.0705
#2	12.54	10.60	5.085	1.528	.3057	1.104	.7911	1.172	.0708

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	**.5741**	**3.827**	**.8617**	**.1535**	**.5171**	**.4996**	**1.147**	**3.713**	**5.164**
Stddev	.0042	.013	.0001	.0007	.0023	.0011	.003	.002	.006
%RSD	.7304	.3402	.0142	.4498	.4401	.2134	.2501	.0543	.1207
#1	.5711	3.818	.8618	.1540	.5155	.5004	1.145	3.715	5.160
#2	.5770	3.836	.8616	.1530	.5187	.4989	1.149	3.712	5.168

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	**3.007**	**.3917**	**2.275**	**7.929**	**1.219**	**4.604**	**.2515**	**3.335**	**.7611**
Stddev	.003	.0008	.003	.007	.002	.016	.0016	.008	.0003
%RSD	.0849	.2163	.1435	.0844	.1887	.3376	.6458	.2354	.0331
#1	3.006	.3911	2.272	7.924	1.217	4.593	.2503	3.330	.7609
#2	3.009	.3923	2.277	7.934	1.220	4.615	.2526	3.341	.7613

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	**17.08**	**.6336**	**2.134**	**1.548**	**.3392**	**1.665**	**3.328**
Stddev	.00	.0023	.023	.005	.0007	.004	.004
%RSD	.0146	.3583	1.097	.3178	.1982	.2535	.1142
#1	17.08	.6320	2.117	1.545	.3396	1.662	3.325
#2	17.09	.6352	2.150	1.552	.3387	1.668	3.330

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86593.**	**13516.**	**1514.0**	**4930.6**
Stddev	446.	12.	2.5	15.4
%RSD	.51490	.08567	.16289	.31169
#1	86908.	13524.	1515.8	4941.5
#2	86278.	13508.	1512.3	4919.8

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 5/30/2014 10:34:02 Type: QC
Method: Accutest1(v93) 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	**2.034**	**2.068**	**1.948**	**1.963**	**2.023**	**2.080**	F **2.130**	**1.998**	**.2572**
Stddev	.007	.009	.011	.007	.002	.005	.004	.005	.0010
%RSD	.3233	.4239	.5519	.3603	.1075	.2633	.1750	.2695	.4040
#1	2.039	2.074	1.941	1.958	2.021	2.076	2.128	1.995	.2565
#2	2.029	2.061	1.956	1.968	2.024	2.084	2.133	2.002	.2580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.145**	**1.998**	**1.926**	**2.049**	**2.018**	**1.940**	**1.947**	**41.62**	**39.34**
Stddev	.006	.007	.008	.004	.003	.004	.005	.16	.12
%RSD	.2888	.3289	.4304	.2086	.1355	.2274	.2752	.3882	.3023
#1	2.141	1.993	1.920	2.052	2.017	1.936	1.943	41.73	39.42
#2	2.150	2.003	1.931	2.046	2.020	1.943	1.951	41.50	39.26
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.000								
Range	5.000%								

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.21**	**39.52**	**40.80**	**41.71**	**1.949**	**1.990**	**2.030**	**4.861**	**1.974**
Stddev	.17	.07	.15	.14	.008	.004	.006	.008	.007
%RSD	.4286	.1685	.3731	.3304	.3947	.1791	.2862	.1674	.3729
#1	40.33	39.57	40.90	41.81	1.944	1.988	2.026	4.855	1.969
#2	40.08	39.47	40.69	41.62	1.955	1.993	2.034	4.867	1.979
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: 5/30/2014 10:34:02 Type: QC
Method: Accutest1(v93) 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**	**2.074**	**1.970**	**2.047**	**1.948**	**1.947**	**2.000**
Stddev	.005	.004	.017	.002	.000	.004	.006
%RSD	.2804	.2153	.8558	.0775	.0006	.2084	.3176
#1	1.982	2.071	1.958	2.045	1.948	1.944	2.004
#2	1.975	2.077	1.982	2.048	1.948	1.950	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	**86229.**	**13333.**	**1604.6**	**5194.7**
Stddev	113.	44.	4.7	4.7
%RSD	.13155	.32826	.29402	.08977
#1	86309.	13302.	1608.0	5198.0
#2	86148.	13364.	1601.3	5191.4

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 5/30/2014 10:40:05 Type: QC
Method: Accutest1(v93) 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**	**.0004**	**.0000**	**.0000**	**-.0003**	**.0000**	**-.0001**	**-.0003**
Stddev	.0000	.000	.0001	.000	.000	.0002	.0000	.0001	.0001
%RSD	27.30	86.32	20.72	2145.	705.6	61.20	2200.	66.67	23.47
#1	.0001	.0000	.0003	-.0001	-.0003	-.0005	.0000	-.0001	-.0003
#2	.0001	-.0001	.0004	.0000	.0002	-.0002	.0000	-.0002	-.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	**.0003**	**-.0011**	**.0007**	**.0006**	**-.0005**	**.0009**	**.0007**	**.0012**	**-.0089**
Stddev	.0000	.0001	.0001	.0005	.0004	.0013	.0009	.0008	.0014
%RSD	5.329	13.86	14.27	78.89	79.24	134.9	128.7	66.73	15.46
#1	.0004	-.0012	.0008	.0003	-.0002	.0018	.0001	.0007	-.0080
#2	.0003	-.0010	.0006	.0010	-.0009	.0000	.0014	.0018	-.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	**.0027**	**.0122**	**.0116**	**.0016**	**.0024**	F **.0034**	**.0002**	**.0012**	**-.0002**
Stddev	.0001	.0045	.0053	.0011	.0003	.0003	.0005	.0001	.0001
%RSD	4.115	37.06	45.75	66.73	11.57	9.297	262.9	12.06	25.15
#1	.0028	.0090	.0078	.0008	.0026	.0036	.0006	.0013	-.0002
#2	.0026	.0153	.0153	.0023	.0022	.0032	-.0002	.0011	-.0002
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: 5/30/2014 10:40:05 Type: QC
Method: Accutest1(v93) 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**	**.0005**	F **.0383**	F **.0017**	**.0014**	**.0000**	**.0008**
Stddev	.0000	.0001	.0034	.0002	.0031	.0002	.0007
%RSD	46.47	21.06	8.972	9.328	229.2	701.5	79.69
#1	.0001	.0004	.0407	.0018	.0036	-.0001	.0004
#2	.0001	.0006	.0358	.0016	-.0009	.0002	.0013
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93002.**	**13484.**	**1663.2**	**5699.8**
Stddev	113.	60.	1.4	9.7
%RSD	.12153	.44802	.08523	.16969
#1	92922.	13441.	1664.2	5706.6
#2	93082.	13527.	1662.2	5693.0

Zoom In Zoom Out

Sample Name: icv Acquired: 5/30/2014 10:47:51 Type: QC
Method: Accutest1(v93) 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	**2.002**	**2.037**	**1.950**	**1.958**	**2.007**	**1.968**	**2.060**	**1.989**	**.2492**
Stddev	.002	.002	.008	.005	.007	.003	.004	.006	.0009
%RSD	.0973	.1042	.4121	.2703	.3557	.1573	.2192	.3228	.3521
#1	2.002	2.040	1.946	1.955	1.998	1.972	2.055	1.984	.2488
#2	2.004	2.036	1.945	1.954	2.011	1.967	2.064	1.986	.2502
#3	2.000	2.037	1.959	1.964	2.010	1.966	2.061	1.996	.2486
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	**2.024**	**1.998**	**1.929**	**2.012**	**1.997**	**1.922**	**1.928**	**40.10**	**40.04**
Stddev	.004	.009	.012	.008	.005	.011	.008	.03	.07
%RSD	.2012	.4405	.6085	.3922	.2583	.5572	.3924	.0743	.1673
#1	2.022	1.994	1.919	2.003	1.998	1.914	1.923	40.10	40.11
#2	2.029	1.992	1.926	2.015	1.991	1.919	1.924	40.07	40.03
#3	2.022	2.008	1.942	2.017	2.001	1.934	1.936	40.13	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	**40.49**	**40.14**	**39.97**	**40.44**	**1.947**	**1.972**	**1.958**	**4.827**	**1.989**
Stddev	.05	.13	.04	.01	.008	.009	.002	.017	.012
%RSD	.1329	.3116	.0962	.0356	.4024	.4410	.0823	.3451	.5991
#1	40.53	40.28	39.98	40.44	1.942	1.967	1.960	4.817	1.979
#2	40.51	40.10	39.92	40.42	1.942	1.968	1.957	4.816	1.986
#3	40.43	40.04	39.99	40.45	1.956	1.982	1.959	4.846	2.002
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: 5/30/2014 10:47:51 Type: QC
Method: Accutest1(v93) 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	**1.995**	**2.011**	**1.968**	**2.018**	**1.915**	**1.929**	**1.992**
Stddev	.002	.002	.021	.002	.009	.007	.004
%RSD	.1135	.0962	1.079	.0752	.4834	.3861	.2067
#1	1.995	2.009	1.948	2.017	1.907	1.923	1.988
#2	1.998	2.013	1.966	2.020	1.912	1.925	1.996
#3	1.993	2.011	1.990	2.018	1.925	1.937	1.993
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	**89508.**	**13471.**	**1615.4**	**5268.0**
Stddev	149.	35.	5.4	10.3
%RSD	.16608	.26104	.33269	.19461
#1	89665.	13432.	1617.4	5265.6
#2	89370.	13480.	1619.5	5279.3
#3	89488.	13500.	1609.3	5259.2

Zoom In Zoom Out

Sample Name: icb Acquired: 5/30/2014 11:03:14 Type: QC
Method: Accutest1(v93) 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**	**.0002**	**-.0001**	**-.0005**	**-.0005**	**.0000**	**-.0002**	**-.0003**
Stddev	.0000	.000	.0002	.0000	.0005	.0000	.0001	.0001	.0002
%RSD	20.16	158.0	76.89	10.31	86.76	8.998	290.1	71.89	52.41
#1	.0002	.0000	.0001	-.0001	-.0009	-.0006	.0000	-.0002	-.0004
#2	.0002	.0000	.0003	-.0001	-.0002	-.0005	.0001	-.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	**.0001**	**-.0012**	**.0015**	**.0006**	**.0002**	**-.0002**	**.0011**	**.0079**	**-.0076**
Stddev	.0001	.0001	.0001	.0009	.0013	.0008	.0013	.0035	.0009
%RSD	103.1	6.229	3.929	167.1	586.4	423.2	116.5	44.23	11.29
#1	.0002	-.0012	.0014	-.0001	-.0007	.0004	.0002	.0054	-.0083
#2	.0000	-.0011	.0015	.0012	.0012	-.0007	.0020	.0103	-.0070
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	**.0002**	**.0012**	**.0040**	**-.0075**	**.0023**	F **.0021**	**-.0002**	**.0015**	**-.0004**
Stddev	.0006	.0017	.0039	.0097	.0003	.0001	.0005	.0009	.0005
%RSD	252.9	150.8	97.97	129.5	13.59	5.092	219.5	60.78	146.2
#1	.0006	.0024	.0012	-.0144	.0021	.0022	.0001	.0009	.0000
#2	-.0002	-.0001	.0067	-.0006	.0025	.0021	-.0005	.0022	-.0008
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: 5/30/2014 11:03:14 Type: QC
Method: Accutest1(v93) 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**	**.0005**	F **.0338**	F **.0013**	**.0014**	**-.0002**	**.0002**
Stddev	.0000	.0001	.0010	.0003	.0033	.0003	.0008
%RSD	5.409	29.61	2.920	21.47	241.3	171.9	345.7
#1	.0001	.0004	.0345	.0011	-.0010	-.0004	.0008
#2	.0001	.0006	.0331	.0015	.0037	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95555.**	**13670.**	**1690.5**	**5787.2**
Stddev	260.	55.	8.3	13.7
%RSD	.27187	.40342	.49186	.23669
#1	95371.	13631.	1696.3	5796.9
#2	95739.	13709.	1684.6	5777.5

Zoom In Zoom Out

Sample Name: iccv Acquired: 5/30/2014 11:08:16 Type: QC
Method: Accutest1(v93) 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	**1.985**	**2.028**	**2.002**	**2.007**	**2.069**	**1.958**	**2.090**	**2.044**	**.2510**
Stddev	.012	.011	.003	.003	.017	.022	.020	.004	.0023
%RSD	.6136	.5605	.1524	.1376	.8198	1.138	.9719	.2189	.9112
#1	1.970	2.017	1.999	2.004	2.048	1.930	2.065	2.040	.2481
#2	1.981	2.022	2.002	2.006	2.066	1.949	2.084	2.040	.2506
#3	1.990	2.032	2.006	2.010	2.075	1.976	2.096	2.048	.2519
#4	1.999	2.043	2.001	2.008	2.088	1.976	2.113	2.047	.2535
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**	**2.059**	**1.989**	**2.046**	**2.052**	**1.972**	**1.979**	**39.22**	**40.79**
Stddev	.022	.003	.005	.009	.008	.008	.006	.22	.28
%RSD	1.112	.1422	.2342	.4425	.3722	.4216	.3114	.5699	.6751
#1	1.993	2.056	1.982	2.035	2.043	1.962	1.973	39.00	40.61
#2	2.011	2.056	1.989	2.043	2.047	1.970	1.975	39.09	40.55
#3	2.029	2.062	1.993	2.048	2.058	1.976	1.986	39.29	40.86
#4	2.045	2.060	1.991	2.056	2.057	1.981	1.983	39.50	41.15
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	**41.08**	**40.84**	**39.51**	**39.56**	**1.999**	**2.030**	**1.973**	**4.956**	**2.047**
Stddev	.29	.31	.22	.20	.006	.010	.020	.016	.001
%RSD	.6983	.7682	.5674	.5124	.2794	.5098	.9907	.3298	.0393
#1	40.89	40.68	39.29	39.35	1.991	2.017	1.946	4.935	2.048
#2	40.84	40.54	39.35	39.43	1.999	2.027	1.971	4.950	2.047
#3	41.14	40.87	39.66	39.66	2.003	2.038	1.988	4.972	2.048
#4	41.46	41.27	39.75	39.79	2.003	2.039	1.986	4.965	2.046
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: 5/30/2014 11:08:16 Type: QC
Method: Accutest1(v93) 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**	**2.038**	**2.047**	**2.066**	**1.964**	**1.979**	**1.990**
Stddev	.014	.020	.021	.018	.009	.004	.014
%RSD	.7006	.9846	1.016	.8672	.4657	.2185	.6836
#1	2.000	2.014	2.022	2.044	1.952	1.973	1.974
#2	2.011	2.031	2.037	2.060	1.961	1.979	1.984
#3	2.022	2.047	2.062	2.078	1.972	1.982	1.997
#4	2.032	2.060	2.066	2.083	1.970	1.982	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	**89029.**	**13470.**	**1585.0**	**5179.8**
Stddev	813.	98.	2.1	10.8
%RSD	.91335	.73031	.13184	.20838
#1	90033.	13479.	1587.9	5194.7
#2	89216.	13589.	1584.4	5180.6
#3	88775.	13464.	1582.9	5172.1
#4	88093.	13348.	1585.0	5171.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 11:24:42 Type: QC
Method: Accutest1(v93) 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**	**.0001**	**.0003**	**.0002**	**.0000**	**-.0004**	**.0002**	**-.0002**	**-.0002**
Stddev	.0001	.0000	.0002	.0001	.000	.0001	.0000	.0000	.0001
%RSD	31.50	14.20	66.48	45.90	172.5	15.77	8.299	14.83	60.41
#1	.0005	.0001	.0001	.0003	.0000	-.0003	.0002	-.0001	-.0001
#2	.0003	.0002	.0004	.0001	.0000	-.0004	.0002	-.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	**.0004**	**-.0010**	**.0005**	**.0003**	**.0003**	**.0004**	**.0009**	**.0067**	**-.0051**
Stddev	.0002	.0003	.0007	.0010	.0006	.0017	.0003	.0071	.0001
%RSD	52.40	31.60	139.1	388.3	208.2	443.7	29.25	106.5	1.897
#1	.0002	-.0012	.0000	.0010	.0007	-.0008	.0011	.0118	-.0050
#2	.0005	-.0008	.0010	-.0005	-.0001	.0016	.0007	.0017	-.0051
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	**.0047**	**.0212**	**.0149**	**.0054**	**.0012**	F **.0023**	**.0007**	**.0012**	**.0000**
Stddev	.0005	.0014	.0032	.0022	.0006	.0000	.0007	.0006	.000
%RSD	10.66	6.727	21.56	40.90	51.27	.0017	87.73	53.28	1071.
#1	.0043	.0202	.0171	.0070	.0008	.0023	.0012	.0016	.0002
#2	.0050	.0222	.0126	.0039	.0016	.0023	.0003	.0007	-.0002
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: 5/30/2014 11:24:42 Type: QC
Method: Accutest1(v93) 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 **.0332**	F **.0014**	**.0007**	**.0003**	**.0008**
Stddev	.0000	.0000	.0021	.0000	.0038	.0000	.0002
%RSD	9.856	6.765	6.302	.6947	554.0	1.641	26.40
#1	.0002	.0005	.0347	.0015	.0033	.0003	.0006
#2	.0002	.0005	.0317	.0014	-.0020	.0003	.0009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94828.**	**13668.**	**1699.9**	**5815.4**
Stddev	140.	55.	3.8	3.2
%RSD	.14756	.40567	.22404	.05453
#1	94729.	13707.	1702.6	5813.1
#2	94927.	13629.	1697.2	5817.6

Zoom In Zoom Out

Sample Name: cri Acquired: 5/30/2014 11:32:28 Type: QC
Method: Accutest1(v93) 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	**.2078**	**.0023**	**.0034**	**.0502**	**.0109**	**.0098**	**.0169**	**.0099**	**.0051**
Stddev	.0000	.0000	.0000	.0004	.0003	.0003	.0001	.0002	.0000
%RSD	.0045	1.583	.1895	.7284	2.446	3.272	.5334	2.203	.5042
#1	.2078	.0023	.0034	.0505	.0108	.0096	.0169	.0101	.0051
#2	.2078	.0024	.0034	.0499	.0111	.0100	.0170	.0098	.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	**.0547**	**.0216**	**.0092**	**.0092**	**.0038**	**.0098**	**.0069**	**.2131**	**5.156**
Stddev	.0002	.0002	.0004	.0004	.0002	.0010	.0000	.0027	.000
%RSD	.2977	1.003	4.522	4.185	5.513	10.37	.2635	1.256	.0055
#1	.0548	.0218	.0089	.0095	.0036	.0091	.0069	.2150	5.157
#2	.0546	.0214	.0095	.0089	.0039	.0105	.0069	.2112	5.156
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	**.1083**	**5.335**	**5.234**	**5.228**	**.1024**	**.0223**	**.0565**	**.2056**	**.0105**
Stddev	.0019	.053	.013	.001	.0003	.0001	.0007	.0000	.0011
%RSD	1.713	.9995	.2405	.0138	.2509	.3393	1.237	.0074	10.17
#1	.1070	5.373	5.225	5.228	.1026	.0224	.0570	.2056	.0098
#2	.1097	5.297	5.243	5.229	.1022	.0223	.0560	.2056	.0113
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: 5/30/2014 11:32:28 Type: QC
Method: Accutest1(v93) 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**	**.0117**	F **.0870**	F **.0132**	**.0491**	**.0204**	**.0229**
Stddev	.0000	.0002	.0016	.0001	.0003	.0007	.0002
%RSD	.3791	1.523	1.852	.5482	.5222	3.342	1.049
#1	.0106	.0116	.0881	.0131	.0489	.0209	.0231
#2	.0107	.0118	.0858	.0132	.0493	.0199	.0228
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0500	.0100			
Range			30.00%	30.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92229.**	**13411.**	**1676.4**	**5651.8**
Stddev	231.	47.	.5	.5
%RSD	.25014	.35170	.03228	.00964
#1	92392.	13445.	1676.1	5652.2
#2	92066.	13378.	1676.8	5651.4

Zoom In Zoom Out

Sample Name: crid Acquired: 5/30/2014 11:38:43 Type: QC
Method: Accutest1(v93) 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**	**.0011**	**.0027**	**.0020**	**.0014**	**.0032**	**.0037**	**.0009**
Stddev	.0000	.0000	.0001	.0002	.0001	.0000	.0000	.0002	.0002
%RSD	.6142	3.057	5.817	6.859	5.826	.7351	.5948	6.694	22.01
#1	.0042	.0010	.0010	.0029	.0021	.0014	.0032	.0035	.0008
#2	.0043	.0011	.0011	.0026	.0019	.0014	.0032	.0039	.0010
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	**.0021**	**.0102**	**.0037**	**.0021**	**.0025**	**.0061**	**.0038**	**.1111**	**1.039**
Stddev	.0001	.0001	.0009	.0005	.0003	.0005	.0020	.0043	.007
%RSD	3.153	.6107	24.46	23.64	11.25	8.315	53.04	3.890	.7149
#1	.0022	.0102	.0044	.0025	.0023	.0057	.0052	.1142	1.045
#2	.0021	.0102	.0031	.0018	.0027	.0065	.0023	.1081	1.034
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	**.0019**	**.1096**	**2.099**	**1.034**	**.0107**	**.0010**	**.0001**	**-.0006**	**.0006**
Stddev	.0000	.0299	.026	.006	.0001	.0000	.0007	.0006	.0005
%RSD	.6919	27.24	1.234	.6168	1.379	4.818	485.2	106.9	70.02
#1	.0019	.0885	2.081	1.038	.0106	.0010	.0006	-.0001	.0010
#2	.0019	.1307	2.118	1.029	.0108	.0009	-.0003	-.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: 5/30/2014 11:38:43 Type: QC
Method: Accutest1(v93) 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**	**.0004**	**.0187**	**.0007**	**.0006**	**-.0003**	**.0011**
Stddev	.0000	.0001	.0014	.0000	.0007	.0010	.0003
%RSD	88.98	14.74	7.398	.4232	122.2	387.7	32.27
#1	.0000	.0003	.0197	.0007	.0011	.0004	.0008
#2	.0000	.0004	.0178	.0007	.0001	-.0010	.0013
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	**94338.**	**13554.**	**1690.7**	**5761.8**
Stddev	5.	56.	5.2	16.5
%RSD	.00578	.41602	.30860	.28585
#1	94335.	13515.	1694.4	5773.4
#2	94342.	13594.	1687.0	5750.1

Zoom In Zoom Out

Sample Name: cria Acquired: 5/30/2014 11:45:02 Type: QC
Method: Accutest1(v93) 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**	**.0001**	**.0002**	**-.0004**	**-.0008**	**-.0001**	**-.0003**	**-.0003**
Stddev	.0000	.000	.0002	.0001	.0002	.0001	.0001	.0002	.0002
%RSD	6.808	121.4	245.1	30.59	63.37	7.321	96.68	60.83	70.64
#1	.0003	.0000	.0002	.0002	-.0005	-.0008	-.0001	-.0005	-.0002
#2	.0003	.0000	-.0001	.0003	-.0002	-.0009	.0000	-.0002	-.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	**.0001**	**-.0009**	**.0201**	**-.0006**	**.0214**	**.0202**	**.0199**	**.5099**	**.0000**
Stddev	.0002	.0000	.0002	.0020	.0002	.0004	.0000	.0028	.002
%RSD	143.8	.6766	.9955	336.1	.7702	1.891	.0849	.5458	4786.
#1	.0002	-.0009	.0202	-.0020	.0212	.0199	.0199	.5119	.0013
#2	.0000	-.0009	.0199	.0008	.0215	.0205	.0199	.5080	-.0014
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	**.5366**	**.0025**	**.0007**	**-.0033**	**.0009**	**.0008**	**.0006**	**-.0017**	**-.0005**
Stddev	.0042	.0159	.0052	.0005	.0002	.0002	.0006	.0007	.0000
%RSD	.7787	638.1	773.6	16.15	28.64	27.80	113.2	39.56	5.459
#1	.5395	-.0088	-.0030	-.0036	.0007	.0006	.0010	-.0022	-.0005
#2	.5336	.0137	.0043	-.0029	.0010	.0010	.0001	-.0012	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/30/2014 11:45:02 Type: QC
Method: Accutest1(v93) 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**	**.0156**	**.0005**	**.0003**	**-.0007**	**-.0001**
Stddev	.0000	.0003	.0001	.0001	.0007	.0009	.0008
%RSD	35.13	240.8	.7635	13.91	229.3	118.9	856.6
#1	.0001	.0004	.0157	.0005	-.0002	-.0013	.0005
#2	.0000	-.0001	.0155	.0006	.0008	-.0001	-.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	**94966.**	**13666.**	**1699.3**	**5776.9**
Stddev	149.	6.	9.9	34.5
%RSD	.15689	.04382	.57992	.59755
#1	95072.	13670.	1706.2	5801.3
#2	94861.	13662.	1692.3	5752.5

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/30/2014 11:51:21 Type: QC
Method: Accutest1(v93) 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**	**.0016**	**.0034**	**-.0010**	**-.0043**	**.0027**	**.0001**	**.0001**
Stddev	.0001	.0001	.0001	.0007	.0001	.0001	.0001	.0002	.0000
%RSD	7.732	442.3	3.560	20.03	6.386	1.396	3.689	161.9	11.76
#1	-.0007	.0001	.0016	.0039	-.0010	-.0044	.0028	.0003	.0001
#2	-.0007	.0000	.0015	.0029	-.0009	-.0043	.0026	.0000	.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	**-.0026**	**-.0006**	**.0002**	**.0021**	**.0016**	**.0143**	**.0094**	**517.9**	**377.7**
Stddev	.0004	.0004	.0002	.0032	.0018	.0052	.0011	.1	1.1
%RSD	13.73	71.13	99.57	150.1	113.0	36.23	11.64	.0130	.2870
#1	-.0028	-.0008	.0001	-.0001	.0028	.0106	.0101	517.8	376.9
#2	-.0023	-.0003	.0004	.0044	.0003	.0180	.0086	517.9	378.5
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	**194.1**	**538.5**	**.0114**	**-.0077**	**-.0115**	**-.0011**	**-.0172**	**-.0059**	**.0084**
Stddev	.2	1.0	.0233	.0021	.0006	.0004	.0002	.0007	.0002
%RSD	.0980	.1863	205.3	26.90	5.372	32.16	1.164	11.19	2.840
#1	194.2	539.2	-.0051	-.0062	-.0119	-.0009	-.0171	-.0055	.0086
#2	193.9	537.8	.0279	-.0091	-.0110	-.0014	-.0174	-.0064	.0083
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: 5/30/2014 11:51:21 Type: QC
Method: Accutest1(v93) 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**	**.0025**	**.0355**	**F .0143**	**-.0485**	**.0010**	**.0048**
Stddev	.0001	.0003	.0002	.0001	.0013	.0010	.0000
%RSD	9.887	13.47	.4858	.8121	2.606	104.6	.3049
#1	-.0006	.0028	.0356	.0144	-.0476	.0003	.0048
#2	-.0006	.0023	.0354	.0142	-.0494	.0017	.0048
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	**81486.**	**12974.**	**1505.7**	**4725.9**
Stddev	78.	3.	2.3	3.7
%RSD	.09551	.02482	.15045	.07868
#1	81541.	12977.	1507.3	4728.5
#2	81431.	12972.	1504.1	4723.3

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 5/30/2014 11:57:46 Type: QC
Method: Accutest1(v93) 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	**.5259**	**.5310**	**1.008**	**.4770**	**.4848**	**.5312**	**.5213**	**.9587**	**1.140**
Stddev	.0258	.0274	.003	.0009	.0015	.0043	.0012	.0006	.005
%RSD	4.899	5.164	.2537	.1884	.3037	.8129	.2382	.0607	.4008
#1	.5077	.5116	1.006	.4764	.4858	.5281	.5204	.9583	1.136
#2	.5442	.5504	1.010	.4777	.4837	.5343	.5222	.9591	1.143
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	**.4833**	**.9461**	**1.117**	**.9247**	**.9555**	**1.049**	**1.017**	**537.5**	**398.4**
Stddev	.0008	.0019	.003	.0023	.0011	.003	.002	24.8	23.0
%RSD	.1751	.2032	.2534	.2464	.1099	.2664	.1757	4.615	5.776
#1	.4827	.9447	1.115	.9231	.9563	1.047	1.018	520.0	382.1
#2	.4839	.9474	1.119	.9263	.9548	1.051	1.016	555.0	414.7
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	**200.8**	**561.8**	**.0021**	**-.0003**	**-.0140**	**.4884**	**.5367**	**-.0018**	**.0078**
Stddev	10.8	31.6	.0160	.0047	.0017	.0017	.0018	.0008	.0013
%RSD	5.373	5.615	775.6	1530.	12.26	.3438	.3408	42.48	16.12
#1	193.2	539.5	-.0093	-.0037	-.0128	.4872	.5354	-.0013	.0087
#2	208.5	584.1	.0134	.0030	-.0152	.4896	.5380	-.0024	.0069
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 5/30/2014 11:57:46 Type: QC
Method: Accutest1(v93) 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	**-.0007**	**.0060**	**.5309**	**.5225**	**.4318**	**.5106**	**.5750**
Stddev	.0001	.0002	.0062	.0016	.0018	.0003	.0261
%RSD	9.154	3.883	1.164	.3001	.4129	.0530	4.546
#1	-.0006	.0061	.5265	.5213	.4305	.5108	.5565
#2	-.0007	.0058	.5353	.5236	.4330	.5104	.5935
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	**81532.**	**12503.**	**1489.0**	**4708.4**
Stddev	108.	646.	.3	7.2
%RSD	.13243	5.1649	.02290	.15352
#1	81608.	12960.	1489.3	4703.3
#2	81456.	12046.	1488.8	4713.5

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/30/2014 12:04:03 Type: QC
Method: Accutest1(v93) 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**	**.0000**	**.0013**	**.0035**	**-.0015**	**-.0036**	**.0031**	**-.0003**
Stddev	.0001	.0001	.0001	.0001	.0001	.0002	.0000	.0004
%RSD	20.15	1066.	5.864	3.372	3.990	6.542	1.547	136.6
#1	-.0005	.0001	.0013	.0034	-.0016	-.0038	.0031	-.0006
#2	-.0006	-.0001	.0012	.0036	-.0015	-.0034	.0031	.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	**.0019**	**-.0026**	**-.0007**	**.0005**	**.0018**	**-.0008**	**.0137**	**.0108**
Stddev	.0008	.0000	.0004	.0018	.0003	.0007	.0021	.0019
%RSD	43.48	1.416	50.76	364.4	15.88	93.54	15.30	17.23
#1	.0013	-.0026	-.0010	.0017	.0020	-.0013	.0152	.0095
#2	.0024	-.0027	-.0005	-.0008	.0016	-.0003	.0122	.0122
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	**518.0**	**386.7**	**196.6**	**546.4**	**.0132**	**-.0037**	**-.0116**	**-.0013**
Stddev	5.1	2.6	.1	.2	.0022	.0011	.0000	.0000
%RSD	.9897	.6803	.0545	.0349	17.01	31.07	.3798	1.358
#1	514.3	388.6	196.5	546.2	.0116	-.0045	-.0116	-.0013
#2	521.6	384.9	196.6	546.5	.0148	-.0029	-.0115	-.0013
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: 5/30/2014 12:04:03 Type: QC
Method: Accutest1(v93) 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	**-.0162**	**-.0071**	**.0082**	**-.0007**	**.0019**	**.0403**	F **.0183**	F **-.0542**
Stddev	.0002	.0031	.0002	.0001	.0004	.0006	.0003	.0024
%RSD	.9536	43.26	2.507	15.79	18.53	1.541	1.584	4.351
#1	-.0161	-.0050	.0084	-.0008	.0022	.0398	.0181	-.0526
#2	-.0163	-.0093	.0081	-.0006	.0017	.0407	.0185	-.0559
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	**.0010**	**.0052**
Stddev	.0008	.0004
%RSD	78.21	7.756
#1	.0004	.0055
#2	.0015	.0049
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	**81947.**	**12884.**	**1492.5**	**4710.4**
Stddev	143.	7.	.8	3.9
%RSD	.17395	.05162	.05226	.08243
#1	82048.	12888.	1493.0	4713.2
#2	81846.	12879.	1491.9	4707.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 5/30/2014 12:10:27 Type: QC
Method: Accutest1(v93) 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	**.4998**	**.5041**	**.9912**	**.4700**	**.4774**	**.5243**	**.5151**	**.9456**	**1.125**
Stddev	.0008	.0002	.0022	.0011	.0007	.0025	.0008	.0013	.002
%RSD	.1555	.0332	.2208	.2349	.1472	.4836	.1645	.1388	.1465
#1	.4993	.5042	.9897	.4692	.4779	.5225	.5157	.9447	1.126
#2	.5004	.5040	.9928	.4708	.4769	.5261	.5145	.9465	1.124
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	**.4805**	**.9332**	**1.099**	**.9103**	**.9445**	**1.026**	**1.003**	**506.8**	**381.3**
Stddev	.0003	.0040	.003	.0019	.0016	.000	.005	.0	.4
%RSD	.0651	.4294	.2293	.2120	.1729	.0210	.4733	.0038	.1090
#1	.4807	.9304	1.097	.9090	.9434	1.026	.9992	506.8	381.0
#2	.4802	.9360	1.101	.9117	.9457	1.026	1.006	506.8	381.6
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	**190.8**	**533.0**	**.0049**	**-.0104**	**-.0127**	**.4825**	**.5295**	**.0003**	**.0100**
Stddev	.1	.2	.0097	.0021	.0007	.0013	.0015	.0024	.0014
%RSD	.0496	.0310	198.3	19.91	5.583	.2768	.2915	794.5	13.98
#1	190.9	533.1	.0117	-.0118	-.0122	.4815	.5284	-.0014	.0090
#2	190.8	532.9	-.0020	-.0089	-.0132	.4834	.5306	.0020	.0110
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 5/30/2014 12:10:27 Type: QC
Method: Accutest1(v93) 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	**-.0007**	**.0060**	**.5197**	**.5179**	**.4242**	**.5019**	**.5455**
Stddev	.0002	.0007	.0088	.0005	.0024	.0006	.0018
%RSD	22.85	11.97	1.696	.0953	.5735	.1209	.3298
#1	-.0006	.0055	.5135	.5176	.4259	.5015	.5442
#2	-.0009	.0065	.5260	.5183	.4225	.5023	.5468
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	**82277.**	**12990.**	**1510.7**	**4760.2**
Stddev	121.	17.	3.2	.8
%RSD	.14709	.13042	.21267	.01634
#1	82192.	13002.	1513.0	4760.7
#2	82363.	12978.	1508.4	4759.6

Zoom In Zoom Out

Sample Name: Feconf Acquired: 5/30/2014 12:16:43 Type: Unk
Method: Accutest1(v93) 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**	**.0024**	**-.0024**	**-.0077**	**.0046**	**-.0001**	**.0046**
Stddev	.0000	.0000	.0001	.0002	.0003	.0002	.0000	.0000	.0003
%RSD	11.82	48.94	52.59	9.625	10.38	2.755	.6232	48.49	7.096
#1	.0003	.0000	-.0002	.0023	-.0026	-.0076	.0046	-.0001	.0043
#2	.0003	.0000	-.0001	.0026	-.0022	-.0079	.0045	-.0001	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0020**	**.0034**	**.0002**	**.0004**	**-.0001**	**.0031**	**.0038**	**.0028**	**-.0108**
Stddev	.0001	.0000	.0004	.0024	.0002	.0010	.0000	.0056	.0014
%RSD	5.474	.1586	183.2	564.6	279.1	31.55	.4564	198.0	13.13
#1	-.0021	.0034	-.0001	.0021	.0001	.0037	.0038	-.0011	-.0118
#2	-.0019	.0034	.0005	-.0013	-.0002	.0024	.0038	.0068	-.0098

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**213.1**	**.0369**	**-.0077**	**-.0052**	**-.0009**	**-.0104**	**-.0052**	**.0009**	**.0025**
Stddev	.6	.0023	.0070	.0036	.0004	.0001	.0003	.0010	.0010
%RSD	.2653	6.295	89.84	68.18	40.35	1.258	5.646	108.7	39.03
#1	213.5	.0386	-.0127	-.0027	-.0006	-.0105	-.0054	.0016	.0032
#2	212.7	.0353	-.0028	-.0077	-.0011	-.0103	-.0050	.0002	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**.0290**	**.0019**	**.0057**	**.0046**	**.0000**
Stddev	.0000	.0003	.0018	.0002	.0019	.0010	.000
%RSD	35.37	140.2	6.320	7.924	34.00	22.62	755.0
#1	.0001	.0004	.0303	.0020	.0043	.0038	-.0003
#2	.0002	.0000	.0277	.0018	.0071	.0053	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92710.**	**13547.**	**1669.0**	**5803.0**
Stddev	165.	54.	.3	5.6
%RSD	.17802	.39596	.01711	.09583
#1	92826.	13510.	1669.2	5799.0
#2	92593.	13585.	1668.8	5806.9

Zoom In Zoom Out

Sample Name: Crconf Acquired: 5/30/2014 12:23:00 Type: Unk
Method: Accutest1(v93) 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	**.0007**	**.0001**	**.0002**	**-.0018**	**10.67**	**-.0002**	**-.0011**	**.0004**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.01	.0001	.0000	.0003	.0002
%RSD	14.41	12.29	8.168	4.708	.0725	51.84	1.609	80.74	79.81
#1	.0006	.0001	.0002	-.0018	10.66	-.0002	-.0011	.0002	-.0003
#2	.0008	.0001	.0002	-.0017	10.67	-.0001	-.0011	.0006	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0046**	**.0015**	**-.0004**	**.0005**	**-.0001**	**.0055**	**.0116**	**.0145**
Stddev	.0001	.0001	.0009	.0008	.0009	.0005	.0008	.0115	.0002
%RSD	24.81	1.492	59.18	231.5	190.0	424.9	15.48	99.11	1.614
#1	.0003	.0046	.0009	.0002	.0012	.0002	.0049	.0197	.0147
#2	.0005	.0045	.0022	-.0009	-.0002	-.0005	.0061	.0035	.0143

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0061**	**.0004**	**.0056**	**.0021**	**-.0001**	**.0013**	**.0003**	**.0069**	**-.0014**
Stddev	.0001	.0190	.0099	.0001	.0002	.0000	.0003	.0008	.0001
%RSD	1.028	4811.	175.9	5.306	173.0	3.040	107.3	11.67	5.112
#1	.0062	.0139	.0126	.0022	.0000	.0013	.0001	.0075	-.0014
#2	.0061	-.0131	-.0014	.0020	-.0003	.0013	.0005	.0064	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0005**	**.0134**	**-.0005**	**.0030**	**.0113**	**.0005**
Stddev	.0000	.0001	.0007	.0001	.0018	.0001	.0003
%RSD	16.32	28.05	5.561	28.30	60.71	.8531	54.72
#1	.0002	.0006	.0139	-.0006	.0043	.0112	.0007
#2	.0001	.0004	.0128	-.0004	.0017	.0114	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94286.**	**13640.**	**1663.9**	**5765.3**
Stddev	130.	30.	5.6	6.3
%RSD	.13783	.21838	.33850	.10950
#1	94194.	13661.	1667.9	5769.7
#2	94377.	13619.	1659.9	5760.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 12:29:19 Type: QC
Method: Accutest1(v93) 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	**1.977**	**2.016**	**1.950**	**1.959**	**1.998**	**1.937**	**2.051**	**2.001**	**.2459**
Stddev	.001	.006	.009	.007	.004	.006	.002	.004	.0005
%RSD	.0669	.3009	.4681	.3559	.2237	.3197	.0981	.2182	.2125
#1	1.976	2.012	1.943	1.954	2.001	1.933	2.053	1.998	.2463
#2	1.978	2.020	1.956	1.963	1.994	1.941	2.050	2.004	.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**	**2.016**	**1.950**	**1.993**	**2.011**	**1.938**	**1.932**	**39.61**	**39.82**
Stddev	.001	.005	.016	.014	.006	.005	.011	.02	.25
%RSD	.0573	.2436	.8299	.6767	.2947	.2733	.5802	.0532	.6208
#1	2.001	2.013	1.938	1.983	2.007	1.934	1.924	39.60	39.65
#2	2.003	2.020	1.961	2.002	2.015	1.941	1.939	39.63	40.00
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	**40.22**	**40.12**	**39.67**	**40.22**	**1.946**	**1.985**	**1.933**	**4.840**	**2.001**
Stddev	.21	.37	.14	.03	.014	.009	.006	.027	.011
%RSD	.5344	.9140	.3405	.0704	.7081	.4740	.2984	.5539	.5528
#1	40.07	39.86	39.58	40.20	1.936	1.978	1.929	4.821	1.993
#2	40.37	40.38	39.77	40.24	1.956	1.991	1.937	4.859	2.009
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: 5/30/2014 12:29:19 Type: QC
Method: Accutest1(v93) 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	**1.990**	**1.996**	**1.930**	**2.011**	**1.920**	**1.928**	**1.969**
Stddev	.005	.003	.025	.000	.013	.014	.004
%RSD	.2315	.1610	1.323	.0015	.6613	.7127	.1851
#1	1.987	1.993	1.912	2.011	1.911	1.918	1.967
#2	1.993	1.998	1.948	2.011	1.929	1.937	1.972
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	**90824.**	**13526.**	**1626.3**	**5305.2**
Stddev	47.	101.	6.1	9.7
%RSD	.05218	.75009	.37477	.18316
#1	90791.	13598.	1630.6	5312.1
#2	90858.	13455.	1621.9	5298.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 12:35:23 Type: QC
Method: Accutest1(v93) 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**	**.0001**	**-.0002**	**-.0007**	**.0000**	**.0000**	**.0000**
Stddev	.0000	.0000	.0002	.0001	.0002	.0001	.0000	.000	.0003
%RSD	4.521	54.39	136.8	88.07	85.23	15.22	145.3	317.4	665.2
#1	.0003	.0001	.0003	.0000	-.0003	-.0008	.0000	.0000	.0003
#2	.0003	.0000	.0000	.0001	-.0001	-.0006	.0000	-.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	**.0002**	**-.0012**	**.0004**	**-.0001**	**-.0001**	**-.0003**	**.0013**	**.0069**	**-.0104**
Stddev	.0003	.0001	.0003	.0005	.0002	.0011	.0014	.0007	.0009
%RSD	149.1	6.751	73.41	441.4	305.3	352.2	105.7	10.69	8.508
#1	.0000	-.0013	.0002	.0002	.0001	.0005	.0023	.0074	-.0110
#2	.0004	-.0012	.0006	-.0005	-.0002	-.0011	.0003	.0064	-.0098
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**	**.0174**	**.0252**	**-.0018**	**.0014**	F **.0024**	**-.0005**	**.0019**	**.0003**
Stddev	.0011	.0076	.0126	.0036	.0004	.0003	.0006	.0007	.0008
%RSD	58.80	43.62	49.84	194.8	27.31	13.68	119.0	38.63	307.1
#1	.0027	.0228	.0164	-.0044	.0012	.0026	-.0009	.0014	.0008
#2	.0011	.0120	.0341	.0007	.0017	.0022	-.0001	.0025	-.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: 5/30/2014 12:35:23 Type: QC
Method: Accutest1(v93) 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 **.0310**	F **.0015**	**-.0003**	**.0002**	**.0005**
Stddev	.0000	.0001	.0037	.0001	.0022	.0009	.0003
%RSD	16.81	15.46	11.96	5.976	701.0	373.5	68.66
#1	.0002	.0005	.0336	.0016	-.0019	.0008	.0007
#2	.0002	.0006	.0284	.0014	.0013	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94088.**	**13542.**	**1698.7**	**5768.7**
Stddev	136.	192.	1.1	5.2
%RSD	.14472	1.4154	.06208	.08992
#1	94185.	13407.	1699.5	5772.4
#2	93992.	13678.	1698.0	5765.0

Zoom In Zoom Out

Sample Name: crid Acquired: 5/30/2014 12:43:15 Type: QC
Method: Accutest1(v93) 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	**.0044**	**.0010**	**.0012**	**.0031**	**.0019**	F **.0012**	**.0033**	**.0038**	F **.0006**
Stddev	.0001	.0000	.0000	.0000	.0004	.0001	.0000	.0001	.0002
%RSD	2.682	.3948	2.293	.0445	21.85	6.949	.5577	2.789	43.96
#1	.0045	.0010	.0012	.0031	.0016	.0011	.0033	.0037	.0007
#2	.0043	.0010	.0012	.0031	.0021	.0013	.0033	.0039	.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	**.0022**	**.0102**	**.0037**	**.0016**	**.0027**	**.0063**	**.0033**	**.1115**	**1.024**
Stddev	.0000	.0001	.0002	.0010	.0004	.0001	.0008	.0025	.004
%RSD	2.282	.9625	4.823	60.69	15.45	2.054	23.39	2.231	.4373
#1	.0022	.0101	.0039	.0023	.0024	.0064	.0038	.1132	1.021
#2	.0021	.0102	.0036	.0009	.0030	.0063	.0027	.1097	1.027
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	**.0027**	**.1248**	**2.086**	**1.040**	**.0108**	**.0010**	**.0005**	**.0000**	**.0004**
Stddev	.0014	.0160	.016	.002	.0001	.0001	.0005	.000	.0006
%RSD	49.79	12.82	.7455	.1976	1.063	5.045	104.2	7692.	154.1
#1	.0037	.1361	2.075	1.042	.0109	.0011	.0009	.0003	.0008
#2	.0018	.1135	2.097	1.039	.0107	.0010	.0001	-.0003	.0000
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 5/30/2014 12:43:15 Type: QC
Method: Accutest1(v93) 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**	**.0187**	**.0008**	**-.0012**	**-.0007**	**.0009**
Stddev	.0000	.0001	.0004	.0001	.0016	.0001	.0004
%RSD	28.07	13.36	2.049	11.96	131.4	19.40	50.48
#1	.0001	.0004	.0190	.0009	-.0001	-.0006	.0006
#2	.0001	.0004	.0184	.0008	-.0023	-.0007	.0012
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	**94150.**	**13553.**	**1698.9**	**5768.7**
Stddev	9.	17.	.1	3.5
%RSD	.00953	.12522	.00327	.06065
#1	94144.	13541.	1698.9	5766.2
#2	94156.	13565.	1698.9	5771.1

Zoom In Zoom Out

Sample Name: mp79610a-mb1 2 Acquired: 5/30/2014 12:49:32 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0001**	**.0001**	**.0000**	**-.0002**	**-.0006**	**.0002**	**-.0001**	**-.0004**
Stddev	.0001	.0001	.0000	.0000	.0001	.0001	.0000	.0000	.0004
%RSD	32.76	65.73	43.03	75.40	74.11	12.41	9.752	9.670	102.0
#1	.0005	.0000	.0000	.0001	-.0003	-.0005	.0002	-.0001	-.0007
#2	.0003	.0001	.0001	.0000	-.0001	-.0006	.0002	-.0002	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0021**	**.0007**	**.0017**	**-.0006**	**-.0008**	**.0009**	**.0103**	**.0159**
Stddev	.0002	.0001	.0000	.0012	.0003	.0006	.0002	.0009	.0022
%RSD	83.83	6.783	.1459	75.06	61.95	74.20	20.95	8.662	14.11
#1	.0001	.0022	.0007	.0025	-.0008	-.0011	.0010	.0109	.0143
#2	.0004	.0020	.0007	.0008	-.0003	-.0004	.0008	.0097	.0175

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0208**	**.0116**	**.0177**	**-.0081**	**.0007**	**.0007**	**.0001**	**.0010**	**.0152**
Stddev	.0017	.0091	.0043	.0075	.0004	.0000	.0002	.0002	.0002
%RSD	7.969	78.92	24.42	92.93	62.94	2.628	166.3	16.32	1.371
#1	.0220	.0051	.0208	-.0135	.0010	.0006	.0002	.0011	.0150
#2	.0196	.0180	.0147	-.0028	.0004	.0007	.0000	.0009	.0153

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**.0125**	**.0010**	**.0057**	**.0002**	**.0001**
Stddev	.0000	.0001	.0006	.0000	.0009	.0000	.0000
%RSD	11.60	10.76	4.722	.6460	15.72	3.833	32.73
#1	.0001	.0006	.0129	.0010	.0063	.0002	.0001
#2	.0001	.0005	.0121	.0010	.0051	.0002	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93069.**	**13625.**	**1684.1**	**5744.4**
Stddev	12.	23.	1.4	4.5
%RSD	.01340	.17028	.08018	.07816
#1	93078.	13609.	1685.1	5741.2
#2	93060.	13642.	1683.2	5747.6

Zoom In Zoom Out

Sample Name: mp79610a-b1 Acquired: 5/30/2014 12:55:48 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.793**	**.0989**	**.0940**	**.9051**	**.3878**	**.4570**	**.9967**	**.9359**	**.0949**
Stddev	.003	.0000	.0002	.0027	.0011	.0002	.0033	.0022	.0002
%RSD	.0881	.0291	.1892	.2947	.2741	.0439	.3319	.2338	.2046
#1	3.791	.0989	.0939	.9032	.3871	.4569	.9943	.9344	.0948
#2	3.796	.0989	.0941	.9070	.3886	.4572	.9990	.9375	.0951

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9371**	**.9553**	**3.684**	**3.821**	**.9417**	**3.756**	**.9136**	**52.03**	**11.97**
Stddev	.0030	.0036	.021	.005	.0025	.022	.0038	.02	.01
%RSD	.3169	.3719	.5610	.1281	.2623	.5802	.4133	.0392	.0901
#1	.9350	.9528	3.669	3.817	.9399	3.740	.9110	52.05	11.96
#2	.9392	.9578	3.698	3.824	.9434	3.771	.9163	52.02	11.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.17**	**12.16**	**12.21**	**12.18**	**-.0014**	**.0005**	**-.0026**	**.0375**	**.0314**
Stddev	.08	.01	.01	.01	.0000	.0001	.0005	.0011	.0000
%RSD	.1551	.0670	.1140	.0785	.9378	19.54	17.38	2.934	.1471
#1	51.11	12.15	12.22	12.17	-.0014	.0004	-.0030	.0368	.0314
#2	51.23	12.17	12.20	12.19	-.0014	.0005	-.0023	.0383	.0314

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0035**	**.0270**	**.0073**	**.0006**	**-.0020**	**.0000**
Stddev	.0001	.0005	.0004	.0003	.0019	.0004	.001
%RSD	52.23	13.30	1.525	4.606	333.9	20.92	1589.
#1	.0002	.0038	.0273	.0076	-.0008	-.0017	.0004
#2	.0001	.0032	.0267	.0071	.0019	-.0023	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91795.**	**13660.**	**1648.8**	**5505.0**
Stddev	152.	16.	4.7	6.8
%RSD	.16589	.12013	.28419	.12384
#1	91903.	13672.	1652.1	5509.9
#2	91687.	13649.	1645.5	5500.2

Zoom In Zoom Out

Sample Name: mp79610a-s1 Acquired: 5/30/2014 13:01:53 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.703**	**.0974**	**.0874**	**.8488**	**.6470**	**.4422**	**1.385**	**.8979**	**.0925**
Stddev	.003	.0000	.0007	.0007	.0001	.0013	.002	.0001	.0004
%RSD	.0720	.0141	.8081	.0865	.0161	.2848	.1276	.0159	.3935
#1	3.701	.0974	.0869	.8483	.6471	.4414	1.386	.8978	.0928
#2	3.705	.0974	.0879	.8494	.6469	.4431	1.384	.8980	.0922

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.568**	**1.139**	**3.525**	**3.361**	**.8955**	**3.433**	**.5640**	**144.6**	**20.85**
Stddev	.003	.004	.014	.009	.0010	.007	.0001	.0	.03
%RSD	.1670	.3605	.3980	.2785	.1100	.1937	.0121	.0084	.1651
#1	1.570	1.136	3.515	3.355	.8962	3.428	.5641	144.6	20.88
#2	1.566	1.142	3.535	3.368	.8948	3.437	.5640	144.6	20.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**271.8**	**26.62**	**35.20**	**11.65**	**.0921**	**-.0107**	**-.0188**	**7.422**	**.0393**
Stddev	.1	.05	.02	.01	.0010	.0001	.0011	.021	.0010
%RSD	.0494	.1824	.0685	.1178	1.116	.4770	5.980	.2808	2.646
#1	271.7	26.58	35.21	11.64	.0928	-.0107	-.0196	7.408	.0400
#2	271.9	26.65	35.18	11.66	.0914	-.0108	-.0180	7.437	.0385

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0592**	**1.218**	**.0343**	**.0688**	**.4698**	**-.0075**	**.1222**
Stddev	.0001	.000	.0015	.0002	.0034	.0009	.0006
%RSD	.1025	.0122	4.239	.3331	.7248	11.75	.4730
#1	.0593	1.218	.0354	.0689	.4674	-.0081	.1226
#2	.0592	1.218	.0333	.0686	.4722	-.0069	.1217

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92070.**	**13828.**	**1666.1**	**5488.7**
Stddev	80.	44.	2.2	1.0
%RSD	.08661	.31735	.13231	.01800
#1	92013.	13797.	1667.6	5488.0
#2	92126.	13859.	1664.5	5489.4

Zoom In Zoom Out

Sample Name: mp79610a-s2 Acquired: 5/30/2014 13:07:55 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.706**	**.1029**	**.0900**	**.8473**	**.5852**	**.4352**	**4.634**	**.9088**	**.0864**
Stddev	.004	.0000	.0004	.0003	.0005	.0014	.008	.0004	.0009
%RSD	.0975	.0095	.4302	.0297	.0897	.3233	.1674	.0397	1.005
#1	3.708	.1029	.0902	.8471	.5849	.4361	4.629	.9091	.0858
#2	3.703	.1029	.0897	.8475	.5856	.4342	4.640	.9086	.0870

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.626**	**1.578**	**3.550**	**3.044**	**.8542**	**3.455**	**.5737**	**147.4**	**19.07**
Stddev	.000	.002	.003	.019	.0018	.004	.0007	.1	.01
%RSD	.0150	.0933	.0948	.6323	.2102	.1204	.1234	.0634	.0569
#1	1.626	1.579	3.547	3.031	.8555	3.452	.5732	147.4	19.06
#2	1.626	1.577	3.552	3.058	.8529	3.458	.5742	147.5	19.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**736.1**	**25.40**	**32.10**	**11.79**	**.0713**	**-.0363**	**-.0331**	**5.742**	**.0356**
Stddev	2.0	.08	.02	.01	.0001	.0001	.0008	.006	.0004
%RSD	.2713	.2991	.0706	.0707	.1886	.2147	2.560	.0998	1.114
#1	734.7	25.45	32.11	11.80	.0712	-.0362	-.0325	5.738	.0353
#2	737.5	25.34	32.08	11.79	.0714	-.0364	-.0337	5.746	.0359

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0541**	**1.143**	**.0584**	**.0475**	**1.579**	**.0059**	**.1185**
Stddev	.0001	.001	.0001	.0003	.002	.0001	.0012
%RSD	.1345	.0979	.1855	.7204	.1405	1.162	1.036
#1	.0541	1.142	.0584	.0472	1.578	.0058	.1193
#2	.0542	1.144	.0583	.0477	1.581	.0059	.1176

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90383.**	**13660.**	**1628.8**	**5792.3**
Stddev	153.	3.	.3	.8
%RSD	.16892	.02166	.02079	.01408
#1	90491.	13658.	1629.0	5791.7
#2	90275.	13662.	1628.5	5792.9

Zoom In Zoom Out

Sample Name: jb66645-3r Acquired: 5/30/2014 13:14:02 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2586**	**.0058**	**.0000**	**.0235**	**.2645**	**.0211**	**.3857**	**.0452**	**.0036**
Stddev	.0005	.0000	.0000	.0000	.0010	.0002	.0001	.0005	.0003
%RSD	.2021	.2716	93.17	.1358	.3752	.8946	.0283	1.163	8.535
#1	.2582	.0058	.0000	.0234	.2652	.0209	.3857	.0449	.0034
#2	.2589	.0058	.0001	.0235	.2638	.0212	.3856	.0456	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6687**	**.2699**	**.1730**	**.0034**	**.0830**	**.0072**	**.0038**	**78.17**	**8.833**
Stddev	.0000	.0002	.0020	.0031	.0013	.0009	.0001	.07	.003
%RSD	.0035	.0598	1.149	92.71	1.551	12.99	1.782	.0879	.0332
#1	.6687	.2698	.1716	.0012	.0839	.0079	.0038	78.12	8.835
#2	.6687	.2700	.1745	.0056	.0821	.0065	.0039	78.21	8.831

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**203.0**	**13.48**	**22.87**	**.4019**	**.0821**	**-.0092**	**-.0138**	**3.973**	**.0268**
Stddev	.3	.08	.02	.0035	.0003	.0003	.0004	.001	.0012
%RSD	.1414	.5952	.0998	.8809	.3432	3.226	3.116	.0268	4.667
#1	202.8	13.42	22.89	.4044	.0823	-.0090	-.0141	3.973	.0276
#2	203.2	13.53	22.86	.3994	.0819	-.0094	-.0135	3.972	.0259

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0482**	**1.083**	**.0228**	**.0590**	**.3740**	**-.0056**	**.0921**
Stddev	.0001	.002	.0006	.0002	.0018	.0002	.0003
%RSD	.1893	.1582	2.757	.3447	.4915	2.666	.2763
#1	.0482	1.085	.0224	.0589	.3753	-.0055	.0922
#2	.0481	1.082	.0233	.0592	.3727	-.0057	.0919

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93782.**	**14028.**	**1683.0**	**5565.2**
Stddev	43.	23.	.0	3.2
%RSD	.04600	.16521	.00183	.05793
#1	93751.	14044.	1683.0	5567.5
#2	93812.	14012.	1683.0	5562.9

Zoom In Zoom Out

Sample Name: mp79610a-sd1 Acquired: 5/30/2014 13:20:11 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2612**	**.0061**	**.0005**	**.0243**	**.2648**	**.0165**	**.3929**	**.0457**	**.0030**
Stddev	.0006	.0001	.0004	.0003	.0003	.0000	.0009	.0003	.0009
%RSD	.2219	2.164	84.20	1.407	.1042	.2015	.2229	.6028	31.23
#1	.2616	.0060	.0002	.0241	.2646	.0165	.3935	.0459	.0023
#2	.2608	.0062	.0008	.0246	.2650	.0164	.3923	.0455	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6765**	**.2719**	**.1705**	**.0062**	**.0849**	**.0092**	**.0073**	**78.21**	**8.908**
Stddev	.0001	.0016	.0005	.0000	.0049	.0130	.0023	.12	.036
%RSD	.0161	.5781	.2732	.5327	5.729	141.2	31.51	.1525	.4045
#1	.6765	.2708	.1702	.0062	.0815	.0000	.0057	78.29	8.882
#2	.6764	.2730	.1708	.0062	.0884	.0185	.0090	78.12	8.933

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**209.9**	**13.65**	**23.11**	**.4095**	**.0865**	**-.0087**	**-.0126**	**4.031**	**.0281**
Stddev	.1	.13	.08	.0143	.0024	.0014	.0031	.004	.0046
%RSD	.0301	.9161	.3361	3.483	2.742	15.99	24.36	.1096	16.27
#1	209.9	13.74	23.06	.4196	.0882	-.0097	-.0147	4.028	.0313
#2	210.0	13.56	23.17	.3994	.0849	-.0077	-.0104	4.034	.0249

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0483**	**1.091**	**.0501**	**.0591**	**.3774**	**-.0093**	**.0949**
Stddev	.0003	.002	.0001	.0001	.0023	.0031	.0004
%RSD	.6026	.1618	.2649	.2246	.6090	33.46	.3937
#1	.0481	1.093	.0502	.0592	.3757	-.0116	.0946
#2	.0485	1.090	.0500	.0590	.3790	-.0071	.0951

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95553.**	**13897.**	**1715.3**	**5745.9**
Stddev	352.	11.	2.7	12.7
%RSD	.36876	.07677	.15875	.22051
#1	95304.	13889.	1717.2	5754.9
#2	95802.	13904.	1713.3	5736.9

Zoom In Zoom Out

Sample Name: jb66509-1t Acquired: 5/30/2014 13:26:24 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1579**	**.0031**	**.0010**	**.0109**	**.2013**	**.0243**	**.1996**	**.0253**	**.0028**
Stddev	.0003	.0000	.0002	.0002	.0012	.0001	.0004	.0007	.0001
%RSD	.2059	1.304	16.80	2.264	.5929	.2116	.2242	2.815	3.409
#1	.1576	.0031	.0011	.0107	.2004	.0243	.1993	.0248	.0029
#2	.1581	.0032	.0009	.0111	.2021	.0243	.2000	.0258	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4203**	**.2650**	**.2304**	**.0024**	**.0770**	**.0105**	**.0052**	**89.25**	**3.239**
Stddev	.0010	.0031	.0035	.0007	.0004	.0017	.0012	.01	.004
%RSD	.2467	1.166	1.504	27.25	.4938	16.06	22.97	.0078	.1242
#1	.4196	.2628	.2280	.0019	.0773	.0117	.0044	89.25	3.242
#2	.4210	.2672	.2329	.0029	.0767	.0093	.0061	89.26	3.236

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**194.6**	**8.626**	**12.77**	**.2547**	**.0547**	**-.0053**	**-.0117**	**3.354**	**.0294**
Stddev	.1	.051	.06	.0040	.0011	.0002	.0009	.034	.0004
%RSD	.0386	.5896	.4797	1.561	1.983	3.273	7.609	1.023	1.299
#1	194.6	8.662	12.82	.2519	.0539	-.0051	-.0110	3.329	.0291
#2	194.5	8.590	12.73	.2575	.0554	-.0054	-.0123	3.378	.0296

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0714**	**.9341**	**.0217**	**.0483**	**.5642**	**-.0047**	**.0927**
Stddev	.0000	.0005	.0005	.0001	.0101	.0006	.0002
%RSD	.0251	.0553	2.263	.3091	1.781	13.13	.2451
#1	.0714	.9345	.0213	.0484	.5571	-.0043	.0925
#2	.0714	.9338	.0220	.0482	.5713	-.0051	.0929

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92044.**	**13824.**	**1670.8**	**5574.2**
Stddev	189.	6.	13.3	44.5
%RSD	.20559	.04088	.79416	.79908
#1	92178.	13820.	1680.2	5605.7
#2	91910.	13828.	1661.5	5542.7

Zoom In Zoom Out

Sample Name: jb66509-2t Acquired: 5/30/2014 13:32:34 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4691**	**.0115**	**.0011**	**.0792**	**.2604**	**.0504**	**1.879**	**.1638**	**.0024**
Stddev	.0001	.0001	.0003	.0000	.0003	.0005	.004	.0000	.0005
%RSD	.0225	.9092	31.19	.0102	.1061	.8989	.2196	.0135	20.78
#1	.4692	.0114	.0008	.0792	.2602	.0507	1.876	.1638	.0020
#2	.4691	.0115	.0013	.0792	.2606	.0501	1.882	.1638	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3417**	**.6597**	**.1073**	**.0038**	**.0909**	**.0096**	**.0058**	**147.9**	**21.38**
Stddev	.0002	.0002	.0007	.0010	.0025	.0004	.0009	.1	.02
%RSD	.0652	.0231	.6776	26.14	2.756	4.628	15.03	.0738	.0832
#1	.3418	.6596	.1068	.0031	.0927	.0099	.0052	148.0	21.36
#2	.3415	.6599	.1079	.0045	.0891	.0093	.0064	147.8	21.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**320.7**	**49.58**	**42.74**	**1.585**	**.1490**	**-.0146**	**-.0231**	**4.325**	**.0263**
Stddev	.3	.15	.01	.004	.0009	.0001	.0001	.009	.0003
%RSD	.0869	.2994	.0326	.2810	.6357	.4456	.3188	.2019	1.195
#1	320.5	49.47	42.75	1.588	.1484	-.0146	-.0230	4.319	.0265
#2	320.9	49.68	42.73	1.582	.1497	-.0147	-.0231	4.331	.0261

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3175**	**3.658**	**.0306**	**.1012**	**38.38**	**-.0083**	**.4155**
Stddev	.0006	.001	.0006	.0006	.03	.0004	.0007
%RSD	.1776	.0381	1.988	.5730	.0805	5.194	.1800
#1	.3179	3.657	.0301	.1016	38.36	-.0080	.4161
#2	.3171	3.659	.0310	.1008	38.40	-.0086	.4150

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92033.**	**14039.**	**1670.8**	**5467.0**
Stddev	158.	19.	5.0	2.3
%RSD	.17160	.13426	.29629	.04231
#1	92144.	14052.	1674.3	5468.6
#2	91921.	14026.	1667.3	5465.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 13:38:43 Type: QC
Method: Accutest1(v93) 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	**1.980**	**2.004**	**1.936**	**1.949**	**2.000**	**1.936**	**2.051**	**1.990**	**.2462**
Stddev	.002	.002	.002	.002	.004	.001	.003	.005	.0002
%RSD	.1146	.0897	.1117	.1041	.1962	.0631	.1581	.2724	.0919
#1	1.978	2.003	1.934	1.948	1.997	1.937	2.049	1.987	.2461
#2	1.981	2.006	1.937	1.951	2.003	1.935	2.053	1.994	.2464
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**	**1.996**	**1.934**	**2.007**	**2.005**	**1.925**	**1.926**	**39.41**	**39.61**
Stddev	.003	.006	.001	.003	.013	.003	.002	.11	.04
%RSD	.1377	.3012	.0555	.1500	.6263	.1543	.1248	.2670	.0964
#1	1.997	1.992	1.933	2.009	1.996	1.927	1.924	39.34	39.64
#2	2.001	2.000	1.934	2.005	2.013	1.923	1.927	39.49	39.58
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	**40.04**	**39.67**	**39.65**	**40.06**	**1.936**	**1.976**	**1.932**	**4.821**	**1.977**
Stddev	.00	.02	.08	.08	.003	.008	.003	.001	.001
%RSD	.0072	.0624	.1902	.2084	.1297	.3876	.1319	.0118	.0580
#1	40.04	39.65	39.59	40.00	1.934	1.971	1.934	4.821	1.977
#2	40.05	39.68	39.70	40.12	1.937	1.982	1.931	4.820	1.978
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: 5/30/2014 13:38:43 Type: QC
Method: Accutest1(v93) 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	**1.994**	**1.997**	**1.910**	**2.006**	**1.921**	**1.923**	**1.978**
Stddev	.000	.004	.015	.002	.010	.001	.001
%RSD	.0148	.1897	.8030	.1120	.5218	.0604	.0394
#1	1.994	1.994	1.899	2.004	1.914	1.922	1.977
#2	1.994	1.999	1.920	2.007	1.928	1.924	1.979
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	**90409.**	**13629.**	**1625.4**	**5282.3**
Stddev	44.	25.	.9	8.4
%RSD	.04817	.18350	.05618	.15817
#1	90440.	13647.	1626.0	5288.2
#2	90379.	13612.	1624.7	5276.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 13:44:47 Type: QC
Method: Accutest1(v93) 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**	**.0001**	**.0003**	**.0000**	**.0000**	**-.0008**	**.0001**	**-.0003**	**-.0001**
Stddev	.0001	.0000	.0001	.000	.000	.0001	.0001	.0000	.0003
%RSD	15.21	20.81	21.87	383.9	27.80	15.67	55.67	2.238	272.6
#1	.0004	.0002	.0004	-.0001	.0000	-.0008	.0002	-.0003	-.0003
#2	.0005	.0001	.0003	.0001	.0000	-.0009	.0001	-.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0012**	**.0006**	**.0004**	**-.0009**	**.0001**	**.0005**	**.0129**	**-.0099**
Stddev	.0001	.0001	.0007	.0008	.0004	.0011	.0001	.0036	.0020
%RSD	23.21	6.524	110.7	196.2	49.67	1291.	28.85	27.94	20.43
#1	.0003	-.0011	.0011	-.0002	-.0006	.0009	.0006	.0103	-.0084
#2	.0002	-.0012	.0001	.0010	-.0012	-.0007	.0004	.0154	-.0113
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	**.0037**	**.0083**	**.0071**	**.0012**	**.0022**	F **.0024**	**.0005**	**.0028**	**.0001**
Stddev	.0023	.0173	.0120	.0009	.0002	.0004	.0002	.0010	.0007
%RSD	63.46	207.0	168.2	76.60	7.277	17.84	38.64	37.02	614.9
#1	.0020	-.0039	-.0014	.0019	.0021	.0027	.0004	.0035	-.0004
#2	.0053	.0206	.0156	.0006	.0023	.0021	.0006	.0021	.0006
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: 5/30/2014 13:44:47 Type: QC
Method: Accutest1(v93) 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**	F **.0254**	F **.0014**	**.0003**	**-.0005**	**.0006**
Stddev	.0001	.0002	.0018	.0001	.0006	.0001	.0010
%RSD	36.91	51.03	6.979	10.49	242.3	11.70	149.8
#1	.0002	.0003	.0266	.0015	.0007	-.0006	.0013
#2	.0003	.0006	.0241	.0013	-.0002	-.0005	.0000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91346.**	**13275.**	**1675.9**	**5672.4**
Stddev	113.	17.	6.8	23.9
%RSD	.12359	.12785	.40328	.42182
#1	91266.	13287.	1671.1	5655.5
#2	91426.	13263.	1680.7	5689.3

Zoom In Zoom Out

Sample Name: jb66521-1t Acquired: 5/30/2014 13:51:06 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5586**	**.0059**	**.0193**	**.0340**	**.2574**	**.2534**	**.7822**	**.1556**	**.0049**
Stddev	.0013	.0001	.0004	.0001	.0001	.0003	.0013	.0005	.0003
%RSD	.2338	.9691	2.051	.1538	.0275	.1215	.1604	.3051	5.374
#1	.5577	.0058	.0190	.0341	.2573	.2531	.7813	.1552	.0051
#2	.5595	.0059	.0196	.0340	.2574	.2536	.7831	.1559	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3766**	**1.678**	**.1007**	**.0006**	**.5438**	**.0084**	**.0085**	**122.9**	**19.33**
Stddev	.0011	.003	.0004	.0018	.0011	.0022	.0010	.3	.08
%RSD	.2793	.1506	.4001	287.0	.1977	25.82	11.89	.2243	.4364
#1	.3759	1.677	.1004	.0019	.5431	.0069	.0078	122.7	19.39
#2	.3774	1.680	.1009	-.0006	.5446	.0099	.0092	123.1	19.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**201.7**	**16.02**	**18.60**	**.3762**	**.0876**	**-.0006**	**-.0198**	**4.692**	**.2350**
Stddev	.4	.10	.00	.0036	.0003	.0000	.0001	.005	.0004
%RSD	.2183	.6423	.0048	.9577	.3641	1.310	.3351	.1020	.1760
#1	202.0	16.09	18.60	.3737	.0874	-.0006	-.0199	4.695	.2353
#2	201.4	15.95	18.60	.3788	.0879	-.0006	-.0198	4.688	.2347

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0980**	**2.237**	**.0384**	**.0549**	**1.326**	**-.0061**	**.1514**
Stddev	.0002	.002	.0020	.0001	.003	.0012	.0001
%RSD	.1956	.0955	5.241	.1393	.2092	19.12	.0638
#1	.0979	2.235	.0398	.0550	1.328	-.0070	.1514
#2	.0981	2.238	.0370	.0549	1.324	-.0053	.1515

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93209.**	**14099.**	**1692.9**	**5513.5**
Stddev	133.	64.	.4	2.6
%RSD	.14247	.45296	.02342	.04662
#1	93303.	14054.	1692.7	5515.3
#2	93115.	14144.	1693.2	5511.7

Zoom In Zoom Out

Sample Name: jb66521-2t Acquired: 5/30/2014 13:57:14 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9464**	**.0016**	**.2445**	**.0871**	**.5883**	**25.78**	**2.274**	**3.038**	**.0216**
Stddev	.0006	.0000	.0008	.0003	.0009	.04	.003	.005	.0005
%RSD	.0599	2.105	.3327	.2932	.1542	.1362	.1087	.1654	2.205
#1	.9468	.0016	.2439	.0873	.5877	25.76	2.272	3.035	.0220
#2	.9460	.0016	.2451	.0869	.5890	25.81	2.275	3.042	.0213

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1082**	**14.34**	**.1171**	**-.0130**	**9.905**	**.0078**	**.1008**	**47.18**	**29.88**
Stddev	.0003	.03	.0004	.0001	.009	.0002	.0008	.13	.12
%RSD	.2507	.1809	.3501	.6953	.0923	2.119	.7967	.2671	.3971
#1	.1084	14.32	.1168	-.0131	9.899	.0080	.1003	47.10	29.97
#2	.1080	14.36	.1173	-.0129	9.912	.0077	.1014	47.27	29.80

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**477.4**	**6.606**	**7.641**	**1.761**	**.0888**	**.0301**	**-.0118**	**5.915**	**3.410**
Stddev	2.9	.090	.038	.007	.0004	.0002	.0005	.019	.009
%RSD	.6028	1.357	.4976	.4228	.4737	.5323	4.453	.3144	.2657
#1	479.5	6.669	7.668	1.755	.0891	.0300	-.0122	5.902	3.404
#2	475.4	6.543	7.614	1.766	.0885	.0302	-.0115	5.928	3.417

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1190**	**1.011**	**.1057**	**.0201**	**47.28**	**-.0118**	**.0324**
Stddev	.0004	.000	.0006	.0003	.04	.0013	.0007
%RSD	.3185	.0188	.5490	1.731	.0930	10.94	2.097
#1	.1193	1.011	.1061	.0203	47.31	-.0108	.0329
#2	.1187	1.011	.1053	.0198	47.25	-.0127	.0320

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89944.**	**13605.**	**1600.0**	**5705.8**
Stddev	115.	22.	4.4	9.5
%RSD	.12751	.16062	.27306	.16695
#1	90025.	13589.	1603.1	5712.5
#2	89863.	13620.	1597.0	5699.0

Zoom In Zoom Out

Sample Name: mp79724-mb1 Acquired: 5/30/2014 14:03:31 Type: Unk
Method: Accutest1(v93) 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**	**.0000**	**.0001**	**.0001**	**.0113**	**.0001**	**.0011**	**.0002**	**-.0006**
Stddev	.0001	.0001	.0000	.0003	.0004	.0000	.0001	.0001	.0004
%RSD	7.459	496.5	43.36	329.2	3.269	32.73	5.884	46.49	79.30
#1	.0010	.0000	.0000	.0003	.0111	.0001	.0011	.0003	-.0009
#2	.0011	.0000	.0001	-.0001	.0116	.0001	.0012	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0035**	**-.0002**	**-.0009**	**.0010**	**.0025**	**.0010**	**.0338**	**.1862**
Stddev	.0001	.0000	.0000	.0001	.0001	.0017	.0001	.0021	.0040
%RSD	30.11	.8576	23.60	12.18	7.437	65.14	13.45	6.251	2.162
#1	.0004	.0035	-.0002	-.0010	.0011	.0037	.0011	.0323	.1833
#2	.0005	.0035	-.0002	-.0008	.0010	.0014	.0009	.0353	.1890

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0835**	**.0727**	**.0318**	**.0451**	**.0009**	**.0008**	**.0012**	**.0254**	**.0193**
Stddev	.0001	.0089	.0260	.0024	.0001	.0002	.0004	.0018	.0006
%RSD	.0950	12.31	81.84	5.428	16.81	23.94	33.35	7.116	3.288
#1	.0834	.0790	.0501	.0469	.0010	.0007	.0015	.0267	.0197
#2	.0835	.0664	.0134	.0434	.0008	.0009	.0009	.0241	.0188

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0006**	**.0015**	**.0128**	**.0006**	**.0206**	**-.0013**	**.0003**
Stddev	.0000	.0001	.0008	.0001	.0010	.0002	.0009
%RSD	5.223	9.966	6.320	13.71	4.809	15.78	290.0
#1	.0006	.0016	.0122	.0007	.0199	-.0012	.0009
#2	.0005	.0014	.0134	.0005	.0213	-.0015	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94321.**	**13579.**	**1673.4**	**5751.8**
Stddev	115.	33.	2.1	.7
%RSD	.12149	.24347	.12251	.01236
#1	94240.	13602.	1674.9	5751.3
#2	94402.	13556.	1672.0	5752.3

Zoom In Zoom Out

Sample Name: jb66521-3t Acquired: 5/30/2014 14:09:49 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3230**	**.0062**	**.0005**	**.0122**	**.0975**	**.0276**	**.2106**	**.0375**	**.0011**
Stddev	.0004	.0000	.0001	.0002	.0001	.0001	.0007	.0001	.0001
%RSD	.1226	.4275	15.41	1.943	.1361	.3949	.3385	.2605	4.843
#1	.3233	.0062	.0005	.0124	.0976	.0276	.2101	.0376	.0011
#2	.3227	.0062	.0004	.0120	.0974	.0277	.2111	.0374	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1513**	**.1409**	**.0335**	**.0007**	**.0539**	**.0077**	**.0023**	**64.89**	**5.202**
Stddev	.0005	.0007	.0006	.0014	.0011	.0003	.0000	.16	.004
%RSD	.3099	.5132	1.721	203.6	2.095	4.293	1.351	.2406	.0849
#1	.1510	.1414	.0339	.0016	.0547	.0075	.0023	64.78	5.199
#2	.1516	.1404	.0331	-.0003	.0531	.0079	.0023	65.00	5.205

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**79.73**	**7.264**	**7.959**	**.7231**	**.0353**	**-.0016**	**-.0096**	**3.273**	**.0240**
Stddev	.04	.042	.054	.0011	.0002	.0003	.0007	.003	.0009
%RSD	.0441	.5819	.6746	.1524	.5773	16.46	7.355	.1015	3.661
#1	79.76	7.235	7.921	.7223	.0351	-.0018	-.0100	3.276	.0246
#2	79.71	7.294	7.997	.7239	.0354	-.0014	-.0091	3.271	.0234

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0890**	**1.091**	**.0189**	**.0124**	**8.061**	**-.0047**	**.0974**
Stddev	.0001	.001	.0007	.0003	.052	.0011	.0002
%RSD	.0618	.1178	3.657	2.064	.6482	23.93	.2469
#1	.0890	1.090	.0194	.0126	8.098	-.0039	.0973
#2	.0889	1.092	.0184	.0123	8.024	-.0055	.0976

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95819.**	**14201.**	**1720.6**	**5607.6**
Stddev	177.	41.	3.5	15.7
%RSD	.18439	.29005	.20546	.28000
#1	95944.	14230.	1718.1	5596.5
#2	95694.	14172.	1723.1	5618.7

Zoom In Zoom Out

Sample Name: mp79677-mb1conf Acquired: 5/30/2014 14:25:38 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 5th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**-.0001**	**-.0002**	**-.0004**	**.0000**	**-.0004**	**.0000**
Stddev	.0001	.0000	.0001	.0001	.0000	.0001	.0001	.0000	.0000
%RSD	58.03	388.3	240.4	244.2	13.22	13.14	459.3	.9688	226.0
#1	.0003	.0000	.0001	-.0002	-.0002	-.0004	-.0001	-.0004	.0000
#2	.0001	.0000	.0000	.0000	-.0001	-.0004	.0001	-.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**-.0001**	**.0000**	**-.0012**	**.0003**	**.0023**	**.0009**	**.0083**	**.0008**
Stddev	.0002	.0001	.000	.0006	.0000	.0009	.0005	.0053	.0006
%RSD	71.33	128.2	33.73	51.80	9.492	37.29	54.29	63.55	65.10
#1	.0002	-.0002	-.0001	-.0007	.0003	.0030	.0006	.0120	.0005
#2	.0005	.0000	.0000	-.0016	.0004	.0017	.0013	.0046	.0012

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0021**	**.0126**	**.0171**	**-.0015**	**.0009**	**.0005**	**-.0001**	**.0147**	**-.0003**
Stddev	.0008	.0166	.0187	.0029	.0006	.0001	.0013	.0017	.0001
%RSD	37.69	132.1	109.9	186.4	65.43	13.98	1895.	11.40	30.20
#1	.0027	.0008	.0303	.0005	.0013	.0005	-.0010	.0159	-.0002
#2	.0016	.0243	.0038	-.0036	.0005	.0004	.0009	.0135	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**.0093**	**.0003**	**.0040**	**-.0005**	**.0011**
Stddev	.0001	.0002	.0003	.0001	.0006	.0005	.0003
%RSD	41.84	89.73	3.710	44.49	15.45	100.4	26.67
#1	.0002	.0001	.0096	.0004	.0036	-.0002	.0013
#2	.0001	.0004	.0091	.0002	.0045	-.0009	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93973.**	**13565.**	**1673.1**	**5747.0**
Stddev	50.	35.	.9	.6
%RSD	.05332	.25592	.05587	.00995
#1	93938.	13590.	1672.5	5747.4
#2	94008.	13541.	1673.8	5746.6

Zoom In Zoom Out

Sample Name: jb67556-2 2 Acquired: 5/30/2014 14:31:55 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 5th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0521**	**.0006**	**.0006**	**.0008**	**.0016**	**.0022**	**.4266**	**.0101**	**.0005**
Stddev	.0002	.0000	.0001	.0002	.0003	.0001	.0007	.0001	.0000
%RSD	.3513	4.905	20.60	31.60	16.77	5.330	.1571	1.291	2.035
#1	.0523	.0006	.0005	.0006	.0018	.0023	.4271	.0102	.0005
#2	.0520	.0006	.0007	.0010	.0015	.0021	.4261	.0100	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0059**	**.0003**	**.0151**	**.0004**	**.0052**	**.0087**	**.0026**	**.0244**	**192.0**
Stddev	.0003	.0001	.0007	.0005	.0003	.0001	.0013	.0015	.3
%RSD	5.600	22.19	4.678	124.4	5.971	1.049	50.74	6.224	.1322
#1	.0061	.0004	.0146	.0000	.0054	.0087	.0017	.0233	192.2
#2	.0057	.0003	.0156	.0008	.0050	.0086	.0035	.0255	191.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1234**	**166.8**	**29.55**	**1183.**	**.6591**	**.0056**	**-.0054**	**10.65**	**.0028**
Stddev	.0006	.1	.08	3.	.0009	.0001	.0008	.02	.0002
%RSD	.4631	.0537	.2746	.2583	.1311	2.026	15.72	.1899	8.038
#1	.1229	166.9	29.61	1181.	.6585	.0057	-.0048	10.63	.0026
#2	.1238	166.8	29.49	1185.	.6597	.0055	-.0060	10.66	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.471**	**.0015**	**.0067**	**.0194**	**194.6**	**-.0002**	**.0476**
Stddev	.002	.0003	.0006	.0000	.7	.0005	.0008
%RSD	.0753	18.80	9.116	.1261	.3523	328.0	1.707
#1	2.473	.0013	.0063	.0194	195.1	-.0005	.0470
#2	2.470	.0017	.0072	.0193	194.1	.0002	.0482

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77645.**	**12698.**	**1405.1**	**4290.6**
Stddev	132.	20.	4.1	6.0
%RSD	.17005	.16082	.29403	.13934
#1	77551.	12684.	1408.1	4294.8
#2	77738.	12713.	1402.2	4286.4

Zoom In Zoom Out

Sample Name: jb66641-1r 2 Acquired: 5/30/2014 14:40:12 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.905**	**.0027**	**.0303**	**.0671**	**.3592**	**2.553**	**3.900**	**.3152**	**.0307**
Stddev	.001	.0000	.0003	.0001	.0004	.005	.005	.0006	.0007
%RSD	.0204	.1859	.9474	.1376	.1083	.2089	.1190	.1898	2.125
#1	2.906	.0027	.0305	.0672	.3590	2.556	3.903	.3156	.0302
#2	2.905	.0027	.0301	.0670	.3595	2.549	3.896	.3148	.0311

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1895**	**7.495**	**.1709**	**-.0108**	**5.419**	**.0044**	**.1355**	**60.43**	**70.62**
Stddev	.0005	.008	.0024	.0050	.008	.0023	.0020	.03	.06
%RSD	.2786	.1072	1.404	45.82	.1499	51.00	1.441	.0557	.0861
#1	.1899	7.501	.1692	-.0073	5.425	.0028	.1341	60.45	70.57
#2	.1891	7.490	.1726	-.0143	5.413	.0060	.1369	60.40	70.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**781.3**	**14.12**	**9.996**	**.5022**	**.0713**	**.0184**	**-.0261**	**3.742**	**2.799**
Stddev	2.7	.02	.043	.0077	.0001	.0004	.0014	.005	.007
%RSD	.3468	.1492	.4315	1.527	.0881	2.027	5.509	.1418	.2516
#1	779.3	14.13	9.966	.5076	.0713	.0181	-.0251	3.739	2.804
#2	783.2	14.10	10.03	.4968	.0714	.0186	-.0271	3.746	2.794

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2821**	**1.216**	**.0769**	**-.0127**	**6.744**	**.0138**	**.0497**
Stddev	.0001	.001	.0003	.0001	.004	.0001	.0002
%RSD	.0275	.0417	.4244	1.066	.0625	1.024	.4317
#1	.2822	1.216	.0772	-.0128	6.747	.0139	.0495
#2	.2821	1.216	.0767	-.0126	6.741	.0137	.0498

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89798.**	**13643.**	**1570.0**	**5840.7**
Stddev	14.	33.	4.5	11.6
%RSD	.01531	.23976	.28479	.19798
#1	89788.	13666.	1573.2	5848.8
#2	89807.	13620.	1566.9	5832.5

Zoom In Zoom Out

Sample Name: jb66641-2r Acquired: 5/30/2014 14:46:22 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2115**	**.0082**	**.0004**	**.0386**	**.2567**	**.0519**	**.5986**	**.1011**	**.0024**
Stddev	.0005	.0000	.0002	.0002	.0002	.0000	.0001	.0002	.0005
%RSD	.2353	.0042	45.56	.4254	.0971	.0220	.0163	.1834	21.78
#1	.2112	.0082	.0006	.0387	.2565	.0519	.5986	.1013	.0021
#2	.2119	.0082	.0003	.0385	.2568	.0519	.5987	.1010	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3928**	**.5393**	**.1069**	**.0019**	**.1364**	**.0102**	**.0082**	**139.3**	**14.52**
Stddev	.0008	.0016	.0013	.0014	.0002	.0007	.0000	.4	.05
%RSD	.2049	.2928	1.201	72.08	.1183	6.817	.2471	.2695	.3313
#1	.3922	.5381	.1060	.0029	.1365	.0107	.0082	139.6	14.49
#2	.3934	.5404	.1078	.0010	.1363	.0097	.0082	139.1	14.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**244.1**	**20.11**	**24.92**	**.3673**	**.1308**	**-.0043**	**-.0173**	**4.018**	**.0340**
Stddev	.5	.12	.06	.0065	.0006	.0001	.0001	.005	.0004
%RSD	.2223	.6021	.2310	1.766	.4275	1.749	.4936	.1200	1.250
#1	243.7	20.03	24.96	.3719	.1304	-.0042	-.0172	4.021	.0343
#2	244.5	20.20	24.88	.3627	.1312	-.0043	-.0174	4.015	.0337

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1160**	**2.059**	**.0223**	**.0757**	**.4792**	**-.0047**	**.1361**
Stddev	.0002	.001	.0004	.0001	.0052	.0009	.0003
%RSD	.1901	.0414	1.881	.1869	1.087	18.10	.2302
#1	.1158	2.060	.0220	.0756	.4829	-.0041	.1363
#2	.1161	2.059	.0226	.0758	.4755	-.0053	.1359

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93945.**	**14235.**	**1710.7**	**5538.4**
Stddev	31.	7.	1.0	.4
%RSD	.03256	.04752	.05649	.00783
#1	93924.	14240.	1710.0	5538.7
#2	93967.	14231.	1711.4	5538.1

Zoom In Zoom Out

Sample Name: jb66641-3r Acquired: 5/30/2014 14:52:27 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2452**	**.0080**	**.0010**	**.0308**	**.3514**	**.0462**	**.6953**	**.0695**	**.0013**
Stddev	.0001	.0000	.0002	.0001	.0018	.0002	.0021	.0000	.0001
%RSD	.0466	.3621	17.99	.1757	.5063	.4338	.3089	.0594	6.893
#1	.2453	.0080	.0009	.0308	.3501	.0461	.6937	.0695	.0012
#2	.2452	.0080	.0012	.0308	.3526	.0464	.6968	.0695	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3537**	**.3731**	**.7278**	**.0057**	**.0812**	**.0110**	**.0084**	**174.4**	**19.06**
Stddev	.0011	.0008	.0014	.0025	.0004	.0021	.0009	.1	.05
%RSD	.3234	.2102	.1881	43.45	.4880	19.56	10.26	.0381	.2610
#1	.3529	.3725	.7268	.0040	.0809	.0125	.0090	174.5	19.02
#2	.3545	.3737	.7287	.0075	.0814	.0094	.0078	174.4	19.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**326.6**	**39.89**	**47.03**	**.4874**	**.1608**	**-.0088**	**-.0235**	**4.510**	**.0347**
Stddev	.6	.11	.01	.0050	.0001	.0001	.0011	.003	.0005
%RSD	.1838	.2878	.0107	1.033	.0464	.8645	4.839	.0693	1.324
#1	326.2	39.81	47.02	.4838	.1608	-.0089	-.0227	4.512	.0350
#2	327.0	39.98	47.03	.4909	.1607	-.0088	-.0243	4.508	.0344

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0941**	**4.640**	**.0259**	**.0907**	**.4984**	**-.0089**	**.1979**
Stddev	.0001	.009	.0008	.0001	.0031	.0004	.0017
%RSD	.1563	.1905	2.984	.0556	.6185	4.370	.8616
#1	.0942	4.634	.0253	.0907	.4962	-.0092	.1991
#2	.0940	4.647	.0264	.0908	.5006	-.0086	.1967

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89941.**	**13697.**	**1654.0**	**5482.3**
Stddev	31.	41.	.2	2.2
%RSD	.03459	.30194	.01176	.04076
#1	89963.	13726.	1654.1	5480.7
#2	89919.	13667.	1653.9	5483.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 14:58:33 Type: QC
Method: Accutest1(v93) 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	**1.985**	**2.014**	**1.919**	**1.937**	**1.973**	**1.963**	**2.064**	**1.986**	**.2461**
Stddev	.001	.001	.010	.006	.003	.000	.000	.009	.0001
%RSD	.0372	.0507	.5407	.3216	.1454	.0177	.0114	.4691	.0533
#1	1.984	2.015	1.912	1.933	1.971	1.964	2.064	1.980	.2462
#2	1.985	2.013	1.927	1.941	1.975	1.963	2.064	1.993	.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	**2.035**	**1.989**	**1.918**	**1.978**	**2.014**	**1.917**	**1.918**	**40.15**	**39.16**
Stddev	.002	.011	.010	.001	.012	.010	.013	.04	.06
%RSD	.1123	.5524	.5084	.0331	.5726	.5369	.6700	.1022	.1467
#1	2.033	1.981	1.911	1.978	2.006	1.910	1.909	40.18	39.21
#2	2.036	1.996	1.925	1.977	2.022	1.924	1.927	40.12	39.12
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	**39.73**	**39.60**	**40.13**	**40.89**	**1.914**	**1.975**	**1.940**	**4.800**	**1.962**
Stddev	.07	.12	.03	.03	.011	.013	.004	.028	.008
%RSD	.1786	.3080	.0813	.0632	.5672	.6535	.2324	.5835	.3855
#1	39.78	39.68	40.11	40.91	1.906	1.966	1.937	4.781	1.957
#2	39.68	39.51	40.16	40.87	1.921	1.984	1.943	4.820	1.968
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: 5/30/2014 14:58:33 Type: QC
Method: Accutest1(v93) 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	**1.981**	**2.004**	**1.904**	**1.995**	**1.914**	**1.909**	**1.986**
Stddev	.002	.001	.020	.001	.009	.011	.003
%RSD	.1046	.0548	1.023	.0252	.4479	.5736	.1604
#1	1.980	2.003	1.890	1.995	1.907	1.901	1.983
#2	1.983	2.004	1.917	1.995	1.920	1.917	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	**89880.**	**13426.**	**1636.2**	**5295.2**
Stddev	13.	44.	8.0	23.7
%RSD	.01413	.33077	.49079	.44811
#1	89889.	13395.	1641.9	5312.0
#2	89871.	13458.	1630.6	5278.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 15:04:36 Type: QC
Method: Accutest1(v93) 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**	**.0002**	**.0002**	**.0004**	**.0001**	**-.0007**	**.0002**	**-.0002**	**-.0004**
Stddev	.0000	.0001	.0001	.0002	.0002	.0002	.0000	.0002	.0002
%RSD	3.943	28.29	21.26	46.06	163.3	25.95	4.604	96.47	39.34
#1	.0005	.0002	.0002	.0003	.0000	-.0008	.0002	-.0001	-.0003
#2	.0005	.0001	.0003	.0005	.0002	-.0006	.0002	-.0003	-.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	**.0005**	**-.0010**	**.0010**	**-.0008**	**.0010**	**.0002**	**.0017**	**.0093**	**-.0069**
Stddev	.0001	.0004	.0000	.0020	.0011	.0002	.0009	.0042	.0026
%RSD	30.08	34.93	4.360	238.9	103.2	124.6	53.94	44.96	37.57
#1	.0004	-.0013	.0010	-.0022	.0018	.0000	.0010	.0122	-.0087
#2	.0006	-.0008	.0010	.0006	.0003	.0003	.0023	.0063	-.0050
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	**.0090**	**.0048**	**.0401**	**.0109**	**.0019**	F **.0022**	**.0010**	**.0037**	**-.0002**
Stddev	.0017	.0041	.0239	.0104	.0007	.0003	.0000	.0002	.0002
%RSD	19.46	85.55	59.57	95.36	36.54	12.86	4.885	4.981	139.5
#1	.0102	.0019	.0570	.0182	.0014	.0024	.0010	.0038	.0000
#2	.0077	.0077	.0232	.0035	.0023	.0020	.0010	.0035	-.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: 5/30/2014 15:04:36 Type: QC
Method: Accutest1(v93) 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**	**.0006**	F **.0227**	F **.0014**	**.0015**	**-.0001**	**.0007**
Stddev	.0000	.0002	.0027	.0000	.0015	.0002	.0007
%RSD	6.870	35.53	11.78	1.593	103.0	243.5	94.09
#1	.0003	.0007	.0246	.0014	.0004	.0001	.0002
#2	.0002	.0004	.0208	.0014	.0025	-.0002	.0012
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95051.**	**13488.**	**1699.0**	**5786.0**
Stddev	306.	87.	7.8	18.0
%RSD	.32148	.64533	.45952	.31059
#1	94835.	13426.	1704.5	5798.7
#2	95267.	13549.	1693.4	5773.2

Zoom In Zoom Out

Sample Name: jb66645-1r Acquired: 5/30/2014 15:12:07 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**7.473**	**.0044**	**.0057**	**.0302**	**.3088**	**.9585**	**1.385**	**.0929**	**.0074**
Stddev	.115	.0000	.0000	.0002	.0015	.0005	.000	.0009	.0000
%RSD	1.532	.4155	.8578	.7125	.4700	.0561	.0316	.9178	.2755
#1	7.554	.0044	.0057	.0304	.3098	.9581	1.385	.0923	.0074
#2	7.392	.0044	.0058	.0300	.3078	.9589	1.384	.0935	.0074

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2821**	**2.034**	**.0649**	**.0002**	**1.005**	**.0130**	**.0123**	**95.02**	**140.5**
Stddev	.0000	.001	.0015	.0001	.001	.0015	.0005	.04	.6
%RSD	.0135	.0624	2.368	43.46	.0772	11.26	4.015	.0412	.4588
#1	.2821	2.033	.0659	.0001	1.005	.0120	.0126	95.05	141.0
#2	.2821	2.035	.0638	.0003	1.004	.0140	.0119	95.00	140.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**167.6**	**28.50**	**11.29**	**1.417**	**.0622**	**.0081**	**-.0128**	**3.525**	**.1319**
Stddev	.7	.04	.02	.008	.0001	.0001	.0003	.005	.0003
%RSD	.3915	.1566	.1901	.5377	.1000	1.623	2.459	.1397	.2168
#1	168.1	28.53	11.31	1.422	.0621	.0080	-.0131	3.521	.1321
#2	167.1	28.47	11.28	1.411	.0622	.0082	-.0126	3.528	.1317

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6542**	**1.030**	**.0314**	**.0134**	**7.158**	**-.0014**	**.1207**
Stddev	.0008	.001	.0017	.0004	.013	.0003	.0009
%RSD	.1174	.1293	5.491	3.312	.1838	19.87	.7195
#1	.6547	1.031	.0326	.0137	7.149	-.0016	.1201
#2	.6536	1.029	.0302	.0131	7.167	-.0012	.1214

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90266.**	**13595.**	**1627.6**	**5350.9**
Stddev	79.	113.	2.6	7.6
%RSD	.08736	.82824	.15926	.14264
#1	90210.	13515.	1629.4	5356.3
#2	90322.	13674.	1625.8	5345.5

Zoom In Zoom Out

Sample Name: jb66645-2r Acquired: 5/30/2014 15:18:20 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0583**	**.0009**	**.0002**	**.0026**	**.0465**	**.0254**	**.1195**	**.0125**	**.0001**
Stddev	.0000	.0000	.0002	.0000	.0000	.0001	.0004	.0002	.0003
%RSD	.0620	3.249	85.06	.6296	.0195	.4896	.3551	1.651	304.1
#1	.0583	.0009	.0003	.0026	.0465	.0253	.1198	.0123	-.0001
#2	.0582	.0009	.0001	.0026	.0466	.0255	.1192	.0126	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0575**	**.0743**	**.0121**	**.0006**	**.0238**	**.0016**	**.0012**	**13.36**	**2.884**
Stddev	.0003	.0004	.0006	.0005	.0002	.0008	.0006	.00	.009
%RSD	.4506	.5344	5.156	74.39	.7020	53.14	48.76	.0275	.2970
#1	.0577	.0745	.0125	.0003	.0239	.0010	.0008	13.37	2.878
#2	.0573	.0740	.0116	.0009	.0237	.0021	.0017	13.36	2.890

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**26.97**	**2.182**	**3.088**	**.1010**	**.0203**	**.0005**	**-.0027**	**2.488**	**.0232**
Stddev	.07	.013	.032	.0081	.0002	.0000	.0007	.005	.0009
%RSD	.2511	.5749	1.040	7.966	1.192	7.236	25.92	.2026	3.986
#1	26.92	2.191	3.111	.1067	.0205	.0005	-.0022	2.484	.0226
#2	27.02	2.173	3.065	.0954	.0202	.0005	-.0032	2.492	.0239

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0313**	**1.069**	**.0129**	**.0187**	**.1077**	**-.0030**	**.0122**
Stddev	.0000	.000	.0007	.0001	.0003	.0000	.0003
%RSD	.0240	.0235	5.602	.6746	.2911	.6038	2.556
#1	.0313	1.069	.0124	.0186	.1075	-.0030	.0125
#2	.0313	1.069	.0134	.0188	.1079	-.0030	.0120

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94843.**	**13748.**	**1702.1**	**5720.2**
Stddev	13.	116.	2.1	2.8
%RSD	.01319	.84196	.12367	.04887
#1	94834.	13830.	1703.6	5722.2
#2	94852.	13666.	1700.7	5718.2

Zoom In Zoom Out

Sample Name: mp79751-mb1 2 Acquired: 5/30/2014 15:24:31 Type: Unk
Method: Accutest1(v93) 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	**.0003**	**.0000**	**.0002**	**.0001**	**-.0002**	**-.0007**	**.0001**	**.0001**	**-.0004**
Stddev	.0000	.0000	.0001	.0001	.0001	.0002	.0000	.0000	.0002
%RSD	.0102	90.12	40.17	62.83	68.25	23.32	30.00	15.73	41.78
#1	.0003	.0000	.0002	.0002	-.0001	-.0006	.0001	.0000	-.0005
#2	.0003	.0001	.0001	.0001	-.0003	-.0009	.0001	.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0007**	**.0006**	**.0008**	**.0015**	**.0001**	**.0002**	**.0059**	**-.0064**
Stddev	.0001	.0002	.0010	.0003	.0001	.0002	.0003	.0048	.0004
%RSD	173.4	25.51	158.2	42.34	8.430	295.1	126.6	80.79	6.504
#1	-.0002	-.0006	-.0001	.0006	.0016	.0002	.0000	.0093	-.0067
#2	.0000	-.0009	.0013	.0010	.0014	-.0001	.0004	.0025	-.0062

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0087**	**.0058**	**.0030**	**-.0034**	**.0003**	**.0004**	**-.0002**	**.0028**	**.0065**
Stddev	.0007	.0139	.0170	.0033	.0003	.0002	.0003	.0001	.0003
%RSD	7.990	241.6	577.4	98.31	88.39	49.58	120.2	2.744	3.842
#1	.0082	-.0041	-.0091	-.0010	.0005	.0005	-.0004	.0028	.0067
#2	.0092	.0156	.0150	-.0057	.0001	.0002	.0000	.0029	.0063

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0051**	**.0004**	**.0030**	**-.0001**	**-.0001**
Stddev	.0000	.0000	.0009	.0001	.0004	.0001	.0004
%RSD	29.27	2.013	16.73	22.00	11.73	74.40	645.0
#1	.0001	.0004	.0057	.0003	.0028	-.0002	.0002
#2	.0001	.0004	.0045	.0005	.0033	-.0001	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93335.**	**13462.**	**1668.4**	**5716.1**
Stddev	20.	77.	2.3	2.3
%RSD	.02099	.57417	.13617	.04028
#1	93349.	13407.	1670.0	5717.7
#2	93321.	13516.	1666.8	5714.5

Zoom In Zoom Out

Sample Name: mp79751-b1 Acquired: 5/30/2014 15:30:48 Type: Unk
Method: Accutest1(v93) 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	**3.904**	**.1016**	**.0941**	**.9277**	**.3981**	**.4633**	**1.024**	**.9633**	**.1035**
Stddev	.006	.0000	.0002	.0009	.0004	.0002	.002	.0014	.0008
%RSD	.1644	.0290	.2584	.0920	.0898	.0447	.1850	.1419	.7352
#1	3.909	.1016	.0942	.9283	.3983	.4634	1.025	.9643	.1030
#2	3.900	.1016	.0939	.9271	.3978	.4631	1.022	.9624	.1041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9517**	**.9832**	**3.698**	**3.858**	**.9514**	**3.781**	**.9100**	**51.30**	**11.81**
Stddev	.0032	.0005	.003	.009	.0005	.000	.0021	.05	.03
%RSD	.3376	.0546	.0694	.2282	.0480	.0098	.2303	.0890	.2700
#1	.9539	.9836	3.700	3.851	.9517	3.781	.9085	51.33	11.79
#2	.9494	.9829	3.697	3.864	.9511	3.780	.9115	51.27	11.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**50.35**	**12.06**	**12.10**	**12.09**	**-.0020**	**.0000**	**-.0024**	**.0258**	**.0138**
Stddev	.09	.07	.02	.02	.0000	.0003	.0000	.0016	.0001
%RSD	.1763	.5848	.1723	.1880	.6266	727.8	1.379	6.204	.5894
#1	50.28	12.01	12.11	12.10	-.0020	.0003	-.0024	.0270	.0137
#2	50.41	12.11	12.08	12.07	-.0020	-.0002	-.0023	.0247	.0138

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0028**	**.0136**	**.0025**	**.0015**	**-.0019**	**.0012**
Stddev	.0000	.0003	.0001	.0000	.0008	.0007	.0007
%RSD	1.304	12.04	.4425	1.448	58.51	37.76	57.77
#1	.0002	.0030	.0137	.0026	.0021	-.0014	.0016
#2	.0002	.0026	.0136	.0025	.0009	-.0024	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91907.**	**13539.**	**1659.0**	**5520.3**
Stddev	205.	32.	2.6	5.6
%RSD	.22255	.23300	.15638	.10172
#1	91762.	13562.	1657.2	5516.3
#2	92051.	13517.	1660.8	5524.2

Zoom In Zoom Out

Sample Name: mp79751-lc1 Acquired: 5/30/2014 15:36:56 Type: Unk
Method: Accutest1(v93) 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	**1.360**	**.6974**	**.7619**	**.3521**	**.6216**	**.3390**	**3.068**	**1.658**	**.2397**
Stddev	.001	.0003	.0045	.0010	.0036	.0016	.009	.006	.0006
%RSD	.0741	.0367	.5913	.2736	.5870	.4711	.2947	.3583	.2552
#1	1.359	.6972	.7587	.3514	.6190	.3401	3.062	1.654	.2393
#2	1.360	.6975	.7651	.3528	.6242	.3378	3.075	1.662	.2401

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6373**	**1.619**	**.7752**	**1.413**	**1.354**	**.8586**	**.5504**	**56.49**	**33.33**
Stddev	.0000	.006	.0037	.014	.003	.0016	.0010	.02	.06
%RSD	.0061	.3788	.4804	.9940	.2178	.1856	.1763	.0302	.1801
#1	.6373	1.615	.7726	1.403	1.352	.8574	.5497	56.51	33.29
#2	.6373	1.623	.7779	1.423	1.356	.8597	.5511	56.48	33.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.54**	**20.12**	**17.87**	**4.071**	**.6340**	**.4145**	**-.0093**	**4.742**	**.5960**
Stddev	.11	.06	.01	.004	.0033	.0023	.0004	.005	.0044
%RSD	.1529	.2855	.0576	.0917	.5159	.5462	4.028	.0999	.7340
#1	74.46	20.17	17.86	4.068	.6317	.4129	-.0095	4.738	.5929
#2	74.62	20.08	17.88	4.074	.6363	.4161	-.0090	4.745	.5991

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5774**	**2.006**	**.0170**	**.0479**	**1.191**	**-.0048**	**.0463**
Stddev	.0009	.003	.0005	.0001	.002	.0003	.0001
%RSD	.1485	.1403	3.224	.2123	.1563	5.744	.1849
#1	.5768	2.004	.0166	.0478	1.190	-.0046	.0464
#2	.5780	2.008	.0174	.0479	1.192	-.0050	.0463

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92933.**	**13769.**	**1691.5**	**5460.4**
Stddev	54.	11.	7.0	14.3
%RSD	.05814	.08311	.41576	.26136
#1	92971.	13777.	1696.5	5470.5
#2	92895.	13761.	1686.6	5450.3

Zoom In Zoom Out

Sample Name: jb67901-1a Acquired: 5/30/2014 15:42:58 Type: Unk
Method: Accutest1(v93) 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	**.1982**	**.0024**	**.0005**	**.0300**	**.0713**	**.0654**	**2.184**	**.0722**	**.0011**
Stddev	.0001	.0000	.0001	.0000	.0001	.0003	.002	.0003	.0002
%RSD	.0699	.2754	16.85	.1504	.1127	.4046	.0883	.4785	17.77
#1	.1983	.0024	.0006	.0300	.0713	.0652	2.182	.0719	.0010
#2	.1981	.0024	.0004	.0300	.0714	.0656	2.185	.0724	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0992**	**.1413**	**.0155**	**.0029**	**.0593**	**.0046**	**.0027**	**53.12**	**3.950**
Stddev	.0002	.0001	.0010	.0010	.0000	.0006	.0002	.07	.005
%RSD	.2501	.0785	6.674	32.54	.0316	12.25	8.827	.1294	.1208
#1	.0991	.1414	.0147	.0023	.0593	.0042	.0029	53.16	3.954
#2	.0994	.1413	.0162	.0036	.0593	.0050	.0026	53.07	3.947

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**84.57**	**8.937**	**4.508**	**.5834**	**.0091**	**-.0023**	**-.0069**	**2.713**	**.0106**
Stddev	.00	.017	.010	.0072	.0001	.0000	.0003	.003	.0003
%RSD	.0006	.1867	.2242	1.229	1.479	.4373	4.431	.1082	2.502
#1	84.57	8.925	4.515	.5783	.0090	-.0023	-.0072	2.711	.0104
#2	84.57	8.949	4.501	.5885	.0092	-.0023	-.0067	2.715	.0108

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0322**	**2.277**	**.0098**	**.0193**	**.4109**	**-.0038**	**.0345**
Stddev	.0001	.007	.0002	.0001	.0017	.0002	.0004
%RSD	.2875	.3052	1.688	.3393	.4144	4.747	1.247
#1	.0323	2.272	.0097	.0193	.4121	-.0040	.0342
#2	.0321	2.282	.0099	.0194	.4097	-.0037	.0348

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93709.**	**13683.**	**1705.4**	**5644.9**
Stddev	168.	48.	3.5	5.9
%RSD	.17932	.34828	.20557	.10479
#1	93827.	13717.	1707.9	5640.7
#2	93590.	13649.	1702.9	5649.1

Zoom In Zoom Out

Sample Name: jb67900-1a Acquired: 5/30/2014 15:49:07 Type: Unk
Method: Accutest1(v93) 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	**.3048**	**.0038**	**.0002**	**.0306**	**.0925**	**.0055**	**3.751**	**.0678**	**.0032**
Stddev	.0011	.0000	.0000	.0002	.0004	.0001	.009	.0001	.0000
%RSD	.3748	1.024	19.73	.6668	.4179	2.537	.2463	.0771	.6423
#1	.3056	.0038	.0003	.0308	.0928	.0056	3.745	.0679	.0032
#2	.3040	.0038	.0002	.0305	.0923	.0054	3.758	.0678	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1088**	**.0920**	**.0127**	**-.0002**	**.0433**	**.0091**	**.0025**	**26.17**	**182.9**
Stddev	.0007	.0001	.0004	.0010	.0005	.0002	.0005	.01	.3
%RSD	.6816	.1467	2.961	502.7	1.161	2.710	18.69	.0555	.1756
#1	.1083	.0919	.0130	-.0009	.0437	.0090	.0028	26.18	183.2
#2	.1094	.0921	.0124	.0005	.0429	.0093	.0021	26.16	182.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**105.0**	**35.43**	**5.055**	**.7013**	**.0229**	**-.0039**	**-.0121**	**4.129**	**.0115**
Stddev	.3	.03	.031	.0041	.0001	.0004	.0005	.001	.0013
%RSD	.2562	.0827	.6046	.5796	.5600	10.63	3.853	.0226	11.00
#1	105.2	35.45	5.033	.7042	.0230	-.0036	-.0125	4.130	.0124
#2	104.8	35.41	5.077	.6984	.0228	-.0042	-.0118	4.129	.0106

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2189**	**1.125**	**.0091**	**.0408**	**.1795**	**-.0024**	**.0322**
Stddev	.0009	.003	.0012	.0003	.0015	.0007	.0003
%RSD	.3927	.2861	13.22	.7838	.8556	30.77	.9341
#1	.2196	1.123	.0083	.0405	.1785	-.0029	.0324
#2	.2183	1.127	.0100	.0410	.1806	-.0019	.0320

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93107.**	**13766.**	**1646.1**	**5335.4**
Stddev	111.	56.	.5	3.9
%RSD	.11915	.40337	.03072	.07253
#1	93186.	13805.	1645.7	5332.7
#2	93029.	13727.	1646.4	5338.2

Zoom In Zoom Out

Sample Name: jb67900-2a Acquired: 5/30/2014 15:55:17 Type: Unk
Method: Accutest1(v93) 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	**1.119**	**.0040**	**.0022**	**.0422**	**.1206**	**.1184**	**2.751**	**.0819**	**.0026**
Stddev	.002	.0001	.0000	.0004	.0057	.0049	.122	.0000	.0014
%RSD	.1434	1.280	.9833	.9111	4.762	4.118	4.440	.0578	54.23
#1	1.121	.0040	.0021	.0419	.1246	.1218	2.838	.0819	.0016
#2	1.118	.0040	.0022	.0425	.1165	.1149	2.665	.0820	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1529**	**.2763**	**.0186**	**.0031**	**.1086**	**.0085**	**.0032**	**60.20**	**143.8**
Stddev	.0069	.0003	.0015	.0025	.0001	.0009	.0003	.08	.2
%RSD	4.514	.1149	7.960	78.52	.0477	10.39	8.531	.1316	.1453
#1	.1578	.2761	.0175	.0049	.1086	.0079	.0030	60.14	143.6
#2	.1481	.2765	.0196	.0014	.1087	.0092	.0034	60.25	143.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**112.0**	**32.36**	**8.775**	**3.219**	**.0705**	**-.0021**	**-.0134**	**4.373**	**.0154**
Stddev	.0	.12	.031	.003	.0012	.0003	.0005	.008	.0008
%RSD	.0302	.3624	.3514	.0888	1.730	14.02	3.836	.1901	5.389
#1	111.9	32.28	8.753	3.221	.0713	-.0019	-.0138	4.368	.0148
#2	112.0	32.45	8.797	3.217	.0696	-.0024	-.0131	4.379	.0160

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4343**	**2.203**	**.0156**	**.0446**	**3.473**	**-.0051**	**.0672**
Stddev	.0008	.098	.0010	.0016	.020	.0005	.0000
%RSD	.1735	4.456	6.694	3.524	.5801	8.857	.0004
#1	.4348	2.272	.0148	.0457	3.459	-.0054	.0672
#2	.4338	2.133	.0163	.0435	3.487	-.0048	.0672

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93405.**	**13745.**	**1684.3**	**5352.7**
Stddev	3479.	73.	3.7	11.8
%RSD	3.7247	.53142	.22089	.22108
#1	90945.	13797.	1686.9	5361.1
#2	95865.	13693.	1681.6	5344.4

Zoom In Zoom Out

Sample Name: jb67900-3a Acquired: 5/30/2014 16:01:26 Type: Unk
Method: Accutest1(v93) 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	**.2954**	**.0029**	**.0007**	**.0251**	**.0753**	**.0061**	**2.849**	**.0604**	**.0014**
Stddev	.0010	.0000	.0004	.0004	.0001	.0004	.000	.0001	.0001
%RSD	.3328	.2537	61.16	1.670	.1619	6.126	.0105	.1265	6.048
#1	.2961	.0029	.0010	.0248	.0753	.0058	2.849	.0603	.0015
#2	.2947	.0029	.0004	.0254	.0754	.0064	2.849	.0604	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0855**	**.0882**	**.0110**	**.0034**	**.0388**	**.0053**	**.0014**	**24.88**	**139.0**
Stddev	.0001	.0011	.0011	.0027	.0000	.0021	.0007	.03	.6
%RSD	.1400	1.196	10.22	80.07	.0391	39.41	50.95	.1112	.4304
#1	.0856	.0874	.0118	.0015	.0387	.0039	.0009	24.90	138.6
#2	.0855	.0889	.0102	.0053	.0388	.0068	.0019	24.86	139.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**79.52**	**27.87**	**4.910**	**.9151**	**.0228**	**-.0015**	**-.0114**	**4.218**	**.0161**
Stddev	.11	.12	.010	.0003	.0008	.0002	.0005	.055	.0003
%RSD	.1387	.4422	.2075	.0303	3.525	13.36	4.260	1.302	1.705
#1	79.45	27.79	4.917	.9149	.0222	-.0014	-.0118	4.179	.0159
#2	79.60	27.96	4.903	.9153	.0233	-.0017	-.0111	4.257	.0163

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1682**	**.9473**	**.0087**	**.0363**	**.2662**	**-.0020**	**.0273**
Stddev	.0008	.0017	.0007	.0002	.0009	.0003	.0004
%RSD	.4832	.1833	8.462	.5369	.3374	17.09	1.461
#1	.1688	.9460	.0082	.0361	.2655	-.0023	.0276
#2	.1677	.9485	.0092	.0364	.2668	-.0018	.0271

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91174.**	**13660.**	**1647.8**	**5288.1**
Stddev	20.	51.	17.3	53.7
%RSD	.02153	.37313	1.0515	1.0164
#1	91188.	13696.	1660.0	5326.1
#2	91161.	13624.	1635.5	5250.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 16:07:37 Type: QC
Method: Accutest1(v93) 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	**1.968**	**2.003**	**1.906**	**1.915**	**1.986**	**1.914**	**2.053**	**1.968**	**.2438**
Stddev	.005	.007	.007	.005	.006	.003	.005	.007	.0000
%RSD	.2389	.3520	.3567	.2633	.3206	.1776	.2585	.3569	.0195
#1	1.964	1.998	1.902	1.911	1.982	1.916	2.049	1.963	.2438
#2	1.971	2.008	1.911	1.918	1.991	1.911	2.056	1.973	.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	**1.994**	**1.977**	**1.915**	**1.992**	**1.992**	**1.901**	**1.892**	**39.66**	**39.58**
Stddev	.001	.005	.008	.000	.006	.006	.003	.12	.14
%RSD	.0383	.2357	.4117	.0151	.2989	.2998	.1823	.2933	.3629
#1	1.993	1.974	1.909	1.992	1.987	1.897	1.890	39.57	39.48
#2	1.994	1.980	1.920	1.992	1.996	1.905	1.895	39.74	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	**39.89**	**39.90**	**39.85**	**40.51**	**1.900**	**1.963**	**1.908**	**4.761**	**1.962**
Stddev	.14	.21	.12	.08	.005	.006	.004	.014	.008
%RSD	.3624	.5181	.3131	.2013	.2727	.3129	.1844	.3010	.4237
#1	39.79	39.76	39.76	40.45	1.897	1.958	1.911	4.751	1.957
#2	40.00	40.05	39.94	40.56	1.904	1.967	1.906	4.771	1.968
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: 5/30/2014 16:07:37 Type: QC
Method: Accutest1(v93) 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	**1.993**	**1.985**	**1.883**	**1.991**	**1.927**	**1.889**	**1.982**
Stddev	.002	.005	.018	.004	.005	.004	.002
%RSD	.0765	.2401	.9419	.2190	.2856	.1953	.1092
#1	1.992	1.982	1.871	1.988	1.923	1.887	1.981
#2	1.994	1.988	1.896	1.994	1.931	1.892	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	**90445.**	**13285.**	**1647.6**	**5349.8**
Stddev	207.	61.	3.8	6.5
%RSD	.22873	.46120	.23036	.12058
#1	90591.	13328.	1650.3	5354.4
#2	90299.	13242.	1644.9	5345.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 16:13:40 Type: QC
Method: Accutest1(v93) 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**	**.0003**	**.0003**	**.0005**	**.0000**	**-.0005**	**.0002**	**.0003**	**-.0002**
Stddev	.0001	.0000	.0002	.0001	.0006	.0000	.0000	.0004	.0002
%RSD	17.52	7.074	49.87	10.41	3830.	7.407	8.534	155.7	94.83
#1	.0007	.0003	.0005	.0005	.0004	-.0005	.0002	.0000	-.0003
#2	.0006	.0003	.0002	.0005	-.0004	-.0005	.0003	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**-.0010**	**.0004**	**.0004**	**.0014**	**.0003**	**.0013**	**.0145**	**-.0058**
Stddev	.0001	.0002	.0002	.0011	.0011	.0016	.0007	.0115	.0024
%RSD	16.19	18.09	43.76	311.3	77.68	494.4	52.19	79.27	42.20
#1	.0007	-.0011	.0003	-.0004	.0022	.0014	.0008	.0064	-.0075
#2	.0009	-.0009	.0005	.0012	.0006	-.0008	.0018	.0226	-.0041
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	**.0099**	**.0244**	**.0423**	**.0081**	**.0009**	F **.0024**	**.0005**	**.0039**	**.0000**
Stddev	.0004	.0073	.0131	.0034	.0002	.0001	.0000	.0004	.0002
%RSD	4.221	29.77	30.97	42.46	19.16	5.876	.0066	11.20	488.4
#1	.0102	.0295	.0330	.0057	.0010	.0025	.0005	.0036	-.0001
#2	.0096	.0193	.0516	.0106	.0008	.0023	.0005	.0043	.0001
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: 5/30/2014 16:13:40 Type: QC
Method: Accutest1(v93) 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**	**.0008**	F **.0246**	F **.0016**	**.0000**	**.0000**	**.0008**
Stddev	.0001	.0003	.0017	.0000	.001	.001	.0001
%RSD	17.44	41.15	7.110	1.995	15670.	2849.	9.874
#1	.0004	.0011	.0258	.0016	-.0007	.0007	.0007
#2	.0003	.0006	.0233	.0016	.0007	-.0007	.0008
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93589.**	**13369.**	**1703.4**	**5801.6**
Stddev	969.	100.	.9	3.9
%RSD	1.0357	.74960	.05433	.06650
#1	94275.	13298.	1702.8	5804.3
#2	92904.	13440.	1704.1	5798.8

Zoom In Zoom Out

Sample Name: jb66521-2t Acquired: 5/30/2014 16:20:00 Type: Unk
Method: Accutest1(v93) 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	**.9096**	**.0015**	**.2351**	**.0893**	**.5802**	**24.50**	**2.239**	**3.125**	**.0254**
Stddev	.0039	.0001	.0004	.0000	.0043	.09	.013	.001	.0004
%RSD	.4310	4.530	.1888	.0314	.7472	.3698	.5980	.0453	1.405
#1	.9069	.0015	.2348	.0894	.5771	24.44	2.229	3.124	.0256
#2	.9124	.0016	.2354	.0893	.5833	24.56	2.248	3.126	.0251

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1032**	**14.51**	**.1134**	**-.0067**	**10.20**	**.0136**	**.0989**	**44.76**	**29.43**
Stddev	.0014	.01	.0000	.0006	.01	.0068	.0003	.22	.08
%RSD	1.384	.0680	.0441	8.281	.0727	49.86	.3022	.4971	.2837
#1	.1022	14.51	.1134	-.0063	10.21	.0088	.0991	44.61	29.49
#2	.1042	14.50	.1133	-.0070	10.20	.0184	.0987	44.92	29.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**497.5**	**6.637**	**7.382**	**1.699**	**.0888**	**.0298**	**-.0103**	**5.813**	**3.427**
Stddev	1.0	.087	.066	.013	.0015	.0001	.0022	.002	.001
%RSD	.2013	1.306	.8973	.7458	1.739	.3538	21.60	.0366	.0183
#1	498.2	6.698	7.335	1.690	.0899	.0299	-.0119	5.814	3.426
#2	496.8	6.575	7.428	1.708	.0877	.0298	-.0088	5.811	3.427

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1166**	**.9793**	**.1190**	**.0288**	**46.92**	**-.0165**	**.0335**
Stddev	.0000	.0050	.0031	.0011	.11	.0005	.0003
%RSD	.0420	.5109	2.603	3.900	.2354	3.102	.9117
#1	.1165	.9758	.1212	.0296	46.85	-.0162	.0337
#2	.1166	.9828	.1168	.0280	47.00	-.0169	.0333

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93165.**	**13581.**	**1651.3**	**5706.7**
Stddev	368.	48.	.5	1.0
%RSD	.39449	.35084	.02834	.01739
#1	93424.	13547.	1651.6	5707.4
#2	92905.	13615.	1650.9	5706.0

Zoom In Zoom Out

Sample Name: jb66641-1r Acquired: 5/30/2014 16:26:12 Type: Unk
Method: Accutest1(v93) 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	**2.835**	**.0028**	**.0288**	**.0711**	**.3571**	**2.439**	**3.955**	**.3399**	**.0372**
Stddev	.004	.0002	.0001	.0004	.0029	.022	.043	.0026	.0028
%RSD	.1312	5.576	.3893	.5672	.7994	.9141	1.091	.7793	7.598
#1	2.838	.0029	.0287	.0714	.3551	2.423	3.924	.3381	.0392
#2	2.832	.0027	.0288	.0708	.3591	2.455	3.985	.3418	.0352

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1880**	**7.722**	**.1690**	**-.0130**	**5.858**	**.0144**	**.1364**	**58.98**	**70.04**
Stddev	.0028	.054	.0031	.0009	.035	.0026	.0013	.08	.13
%RSD	1.473	.6963	1.840	6.559	.6063	17.97	.9275	.1346	.1798
#1	.1860	7.684	.1668	-.0124	5.833	.0163	.1355	58.92	70.13
#2	.1899	7.760	.1712	-.0136	5.883	.0126	.1373	59.03	69.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**825.0**	**14.12**	**9.695**	**.4207**	**.0685**	**.0182**	**-.0252**	**3.848**	**2.851**
Stddev	1.7	.09	.029	.0079	.0009	.0003	.0009	.037	.024
%RSD	.2051	.6233	.3012	1.871	1.256	1.758	3.549	.9687	.8325
#1	826.2	14.18	9.716	.4263	.0679	.0180	-.0246	3.822	2.834
#2	823.8	14.06	9.675	.4151	.0691	.0185	-.0258	3.875	2.868

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2760**	**1.206**	**.0944**	**-.0048**	**6.866**	**.0110**	**.0474**
Stddev	.0005	.013	.0007	.0007	.073	.0032	.0012
%RSD	.1659	1.040	.7277	14.55	1.064	28.80	2.596
#1	.2763	1.198	.0949	-.0043	6.814	.0132	.0483
#2	.2756	1.215	.0939	-.0053	6.917	.0087	.0466

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92965.**	**13652.**	**1644.9**	**5783.1**
Stddev	779.	36.	15.4	43.2
%RSD	.83844	.26107	.93511	.74670
#1	93516.	13627.	1655.8	5813.7
#2	92414.	13677.	1634.1	5752.6

Zoom In Zoom Out

Sample Name: jb67495-7a 2 Acquired: 5/30/2014 16:32:24 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1321**	**-.0017**	**.0231**	**1.358**	**49.54**	**.2266**	**6.539**	**5.033**	**-.2808**
Stddev	.0004	.0001	.0007	.004	.13	.0012	.011	.007	.0007
%RSD	.3364	4.684	2.972	.2995	.2674	.5416	.1662	.1467	.2641
#1	.1324	-.0017	.0236	1.355	49.44	.2257	6.546	5.028	-.2814
#2	.1318	-.0018	.0226	1.360	49.63	.2274	6.531	5.039	-.2803

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.687**	**2.978**	**.0341**	**-.1900**	**.2302**	**-.1541**	**.6912**	**285.9**	**253.0**
Stddev	.010	.010	.0020	.0006	.0000	.0016	.0038	.1	.4
%RSD	.2684	.3211	5.935	.3236	.0186	1.034	.5517	.0332	.1496
#1	3.680	2.971	.0327	-.1905	.2301	-.1530	.6885	286.0	252.7
#2	3.694	2.985	.0355	-.1896	.2302	-.1553	.6939	285.8	253.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**959.6**	**518.6**	**.2285**	**48.83**	**.0553**	**-.0102**	**-.0611**	**1.739**	**.0093**
Stddev	6.8	.8	.0045	.04	.0008	.0007	.0012	.005	.0003
%RSD	.7134	.1531	1.982	.0921	1.415	6.770	1.965	.2862	3.617
#1	954.7	518.1	.2317	48.86	.0559	-.0107	-.0619	1.735	.0091
#2	964.4	519.2	.2253	48.80	.0548	-.0097	-.0602	1.743	.0096

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2725**	**28.17**	**.0517**	*****	**4.045**	**.0390**	**.0332**
Stddev	.0004	.05	.0018	-----	.010	.0022	.0008
%RSD	.1503	.1878	3.526	-----	.2405	5.750	2.401
#1	.2728	28.13	.0504	-----	4.038	.0406	.0337
#2	.2722	28.21	.0530	-----	4.052	.0374	.0326

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80022.**	**12469.**	**1282.9**	**5328.1**
Stddev	93.	.	3.5	9.1
%RSD	.11663	.00176	.26993	.17131
#1	80088.	12469.	1285.4	5334.6
#2	79956.	12469.	1280.5	5321.7

Zoom In Zoom Out

Sample Name: jb67495-7a Acquired: 5/30/2014 16:38:53 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1308**	**.0033**	**.0056**	**1.421**	**52.95**	**.3312**	**6.896**	**5.575**	**-.0179**
Stddev	.0013	.0001	.0001	.001	.15	.0009	.014	.008	.0006
%RSD	.9747	1.969	2.580	.0738	.2857	.2601	.1974	.1450	3.613
#1	.1299	.0034	.0055	1.421	53.05	.3318	6.906	5.581	-.0184
#2	.1317	.0033	.0057	1.422	52.84	.3306	6.886	5.570	-.0175

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.805**	**2.993**	**.0169**	**.0135**	**.2364**	**-.0007**	**.0508**	**277.0**	**261.7**
Stddev	.002	.007	.0066	.0036	.0025	.0031	.0016	2.1	1.8
%RSD	.0567	.2396	39.33	26.56	1.051	453.8	3.093	.7673	.6734
#1	3.806	2.998	.0122	.0160	.2381	-.0028	.0519	275.5	260.5
#2	3.803	2.988	.0216	.0110	.2346	.0015	.0496	278.5	263.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1070.**	**519.0**	**.1982**	**47.02**	**.0511**	**-.0606**	**-.0529**	**-.0016**	**.0125**
Stddev	3.	3.3	.0292	.35	.0003	.0001	.0012	.0040	.0034
%RSD	.2402	.6318	14.72	.7533	.5461	.1276	2.217	250.6	27.10
#1	1068.	516.7	.2189	46.77	.0509	-.0606	-.0521	-.0045	.0149
#2	1071.	521.4	.1776	47.27	.0512	-.0607	-.0537	.0012	.0101

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2646**	**28.85**	**.0749**	**.0043**	**3.822**	**.0448**	**.0333**
Stddev	.0021	.03	.0001	.0003	.005	.0031	.0008
%RSD	.8044	.1148	.1160	6.777	.1193	6.969	2.417
#1	.2631	28.87	.0748	.0041	3.825	.0470	.0328
#2	.2661	28.82	.0750	.0045	3.819	.0426	.0339

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85317.**	**12817.**	**1452.3**	**5356.5**
Stddev	186.	59.	2.8	1.6
%RSD	.21766	.46131	.19594	.02918
#1	85185.	12859.	1454.3	5357.6
#2	85448.	12776.	1450.3	5355.4

Zoom In Zoom Out

Sample Name: jb67495-7a Acquired: 5/30/2014 16:45:05 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1330**	**.0034**	**.0042**	**1.543**	**55.49**	**.3286**	**7.210**	**6.081**	**.0076**
Stddev	.0004	.0001	.0012	.003	.11	.0009	.011	.009	.0010
%RSD	.2887	4.344	28.91	.1727	.1924	.2844	.1484	.1470	13.31
#1	.1333	.0033	.0033	1.542	55.57	.3279	7.217	6.087	.0069
#2	.1328	.0035	.0050	1.545	55.42	.3293	7.202	6.074	.0084

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.882**	**3.059**	**.0156**	**.0261**	**.2536**	**.0094**	**.0242**	**272.9**	**268.4**
Stddev	.004	.004	.0050	.0233	.0028	.0119	.0042	.1	.6
%RSD	.0908	.1255	31.77	89.22	1.090	126.9	17.26	.0281	.2141
#1	3.885	3.062	.0191	.0096	.2556	.0178	.0272	273.0	268.0
#2	3.880	3.057	.0121	.0425	.2517	.0010	.0213	272.8	268.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1178.**	**516.6**	**.1699**	**46.04**	**.0427**	**-.0643**	**-.0500**	**-.0691**	**.0216**
Stddev	1.	.9	.0703	.11	.0036	.0011	.0002	.0041	.0015
%RSD	.1191	.1746	41.36	.2462	8.498	1.752	.3168	5.939	6.913
#1	1177.	516.0	.1202	46.13	.0452	-.0651	-.0499	-.0662	.0227
#2	1179.	517.2	.2196	45.96	.0401	-.0635	-.0501	-.0720	.0206

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2664**	**29.56**	**.0957**	**.0080**	**3.711**	**.0532**	**.0325**
Stddev	.0002	.03	.0001	.0009	.020	.0007	.0040
%RSD	.0694	.1001	.1039	11.57	.5270	1.297	12.38
#1	.2665	29.58	.0956	.0087	3.724	.0527	.0354
#2	.2662	29.54	.0957	.0074	3.697	.0536	.0297

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88973.**	**13079.**	**1575.9**	**5441.6**
Stddev	77.	84.	1.8	6.3
%RSD	.08699	.64337	.11263	.11634
#1	88918.	13138.	1574.7	5437.1
#2	89028.	13019.	1577.2	5446.1

Zoom In Zoom Out

Sample Name: jb67495-12a Acquired: 5/30/2014 16:51:12 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5623**	**.0025**	**.0075**	**1.042**	**330.7**	**.3779**	**10.16**	**5.912**	**.0293**
Stddev	.0010	.0004	.0005	.006	1.8	.0007	.01	.023	.0010
%RSD	.1798	17.45	6.793	.5994	.5304	.1937	.1169	.3868	3.494
#1	.5630	.0028	.0071	1.047	331.9	.3774	10.15	5.928	.0300
#2	.5616	.0022	.0078	1.038	329.4	.3785	10.17	5.896	.0285

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.920**	**1.923**	**.1527**	**-.0452**	**.1969**	**.1028**	**.3034**	**272.9**	**2746.**
Stddev	.002	.000	.0087	.0074	.0031	.0260	.0261	.1	27.
%RSD	.0580	.0069	5.676	16.44	1.592	25.26	8.614	.0278	.9724
#1	3.922	1.923	.1466	-.0504	.1991	.0844	.2849	273.0	2727.
#2	3.919	1.923	.1589	-.0399	.1946	.1211	.3219	272.9	2764.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**579.7**	**376.8**	**.2502**	**4.817**	**.0180**	**-.0024**	**-.0971**	**2.699**	**.0145**
Stddev	.5	1.4	.0161	.023	.0008	.0011	.0031	.011	.0056
%RSD	.0844	.3659	6.432	.4730	4.612	47.20	3.182	.3932	38.51
#1	580.0	375.8	.2388	4.834	.0174	-.0016	-.0993	2.706	.0106
#2	579.3	377.8	.2615	4.801	.0186	-.0032	-.0950	2.691	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4466**	**8.075**	**.0808**	**-.0212**	**18.93**	**.3871**	**.0620**
Stddev	.0001	.008	.0033	.0012	.06	.0024	.0037
%RSD	.0124	.0994	4.050	5.684	.3128	.6105	5.891
#1	.4466	8.069	.0832	-.0221	18.97	.3854	.0594
#2	.4465	8.081	.0785	-.0204	18.89	.3888	.0646

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90153.**	**13213.**	**1489.7**	**5157.0**
Stddev	37.	25.	5.2	9.7
%RSD	.04106	.18802	.35043	.18722
#1	90179.	13231.	1486.0	5150.2
#2	90126.	13196.	1493.4	5163.9

Zoom In Zoom Out

Sample Name: jb67495-13a Acquired: 5/30/2014 16:57:31 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7496**	**.0094**	**.0052**	**.6851**	**194.1**	**.4345**	**6.458**	**3.850**	**.0092**
Stddev	.0003	.0000	.0001	.0004	.4	.0010	.009	.013	.0003
%RSD	.0375	.3921	2.398	.0543	.2060	.2212	.1346	.3318	3.748
#1	.7498	.0094	.0053	.6854	193.8	.4338	6.452	3.841	.0095
#2	.7494	.0094	.0051	.6849	194.4	.4352	6.464	3.859	.0090

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.646**	**1.298**	**.1641**	**-.0371**	**.0866**	**.0657**	**.4597**	**234.8**	**1688.**
Stddev	.011	.004	.0027	.0094	.0001	.0007	.0021	.4	1.
%RSD	.4249	.3464	1.627	25.26	.1529	1.114	.4480	.1524	.0656
#1	2.638	1.295	.1622	-.0304	.0867	.0652	.4611	234.5	1689.
#2	2.654	1.302	.1660	-.0437	.0865	.0662	.4582	235.0	1687.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**417.5**	**229.8**	**7.697**	**56.98**	**.0827**	**.0126**	**-.0640**	**1.917**	**.0093**
Stddev	.6	.0	.070	.00	.0032	.0003	.0006	.001	.0061
%RSD	.1533	.0006	.9031	.0004	3.885	2.194	.9512	.0503	65.45
#1	418.0	229.8	7.648	56.98	.0850	.0128	-.0635	1.917	.0050
#2	417.1	229.8	7.746	56.98	.0804	.0124	-.0644	1.916	.0136

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.812**	**7.965**	**.0360**	**.0791**	**25.76**	**.2513**	**.1776**
Stddev	.003	.004	.0003	.0017	.06	.0066	.0023
%RSD	.1633	.0525	.9358	2.125	.2350	2.609	1.321
#1	1.814	7.962	.0362	.0780	25.72	.2467	.1760
#2	1.810	7.968	.0357	.0803	25.81	.2560	.1793

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85204.**	**13098.**	**1348.8**	**4853.5**
Stddev	251.	23.	3.2	5.2
%RSD	.29410	.17268	.23683	.10618
#1	85381.	13114.	1351.1	4857.1
#2	85027.	13082.	1346.6	4849.8

Zoom In Zoom Out

Sample Name: jb67495-13a Acquired: 5/30/2014 17:03:49 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7488**	**.0094**	**.0058**	**.6865**	**209.4**	**.4162**	**6.666**	**3.906**	**.0139**
Stddev	.0012	.0003	.0000	.0011	.0	.0039	.002	.001	.0013
%RSD	.1573	3.174	.4905	.1616	.0222	.9444	.0329	.0260	9.635
#1	.7480	.0096	.0058	.6857	209.5	.4134	6.668	3.906	.0148
#2	.7496	.0092	.0058	.6872	209.4	.4189	6.665	3.905	.0129

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.704**	**1.241**	**.1276**	**-.0278**	**.1023**	**.0531**	**.0853**	**229.3**	**1752.**
Stddev	.012	.004	.0046	.0378	.0056	.0365	.0188	.2	5.
%RSD	.4371	.3518	3.584	135.9	5.476	68.82	22.04	.0850	.2613
#1	2.713	1.238	.1309	-.0011	.0983	.0789	.0720	229.2	1749.
#2	2.696	1.244	.1244	-.0545	.1063	.0273	.0986	229.5	1756.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**428.4**	**228.0**	**7.636**	**55.54**	**.0469**	**.0153**	**-.0785**	**1.697**	**.0261**
Stddev	.9	1.7	.021	.09	.0073	.0029	.0048	.002	.0016
%RSD	.2149	.7563	.2717	.1708	15.49	18.97	6.175	.1288	6.073
#1	427.7	226.8	7.651	55.47	.0418	.0132	-.0751	1.698	.0250
#2	429.0	229.2	7.622	55.61	.0521	.0173	-.0819	1.695	.0272

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.784**	**7.986**	**.0542**	**.0784**	**22.43**	**.2426**	**.1770**
Stddev	.002	.006	.0019	.0001	.10	.0004	.0076
%RSD	.0966	.0776	3.451	.1629	.4246	.1764	4.310
#1	1.783	7.990	.0555	.0785	22.50	.2423	.1824
#2	1.785	7.982	.0529	.0783	22.37	.2429	.1716

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88808.**	**13155.**	**1565.0**	**5230.5**
Stddev	24.	36.	.6	8.1
%RSD	.02686	.27263	.03714	.15578
#1	88791.	13181.	1564.6	5224.7
#2	88825.	13130.	1565.4	5236.3

Zoom In Zoom Out

Sample Name: jb67495-14a Acquired: 5/30/2014 17:09:58 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6795**	**.0035**	**.0088**	**1.158**	**387.6**	**.4555**	**12.48**	**6.643**	**.0198**
Stddev	.0032	.0009	.0037	.003	1.0	.0022	.00	.006	.0022
%RSD	.4757	24.35	41.40	.2165	.2620	.4879	.0048	.0982	11.15
#1	.6818	.0042	.0062	1.160	386.8	.4571	12.48	6.648	.0213
#2	.6773	.0029	.0114	1.156	388.3	.4539	12.48	6.639	.0182

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**4.232**	**2.135**	**.2086**	**-.0490**	**.1080**	**.0852**	**.4848**	**346.4**	**2851.**
Stddev	.002	.007	.0088	.0226	.0016	.0133	.0198	1.1	10.
%RSD	.0493	.3180	4.210	46.09	1.478	15.56	4.089	.3097	.3656
#1	4.230	2.140	.2148	-.0650	.1091	.0759	.4988	347.2	2858.
#2	4.233	2.131	.2024	-.0330	.1069	.0946	.4708	345.7	2843.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**671.3**	**413.9**	**.7389**	**47.69**	**.0190**	**-.0039**	**-.1019**	**2.823**	**.0168**
Stddev	5.0	3.6	.0881	.21	.0007	.0010	.0057	.015	.0084
%RSD	.7431	.8620	11.93	.4400	3.746	26.25	5.560	.5121	49.97
#1	674.8	416.4	.6766	47.84	.0195	-.0047	-.1059	2.813	.0227
#2	667.7	411.4	.8012	47.54	.0185	-.0032	-.0979	2.834	.0108

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.329**	**9.839**	**.0717**	**-.0244**	**6.136**	**.4679**	**.1138**
Stddev	.007	.003	.0042	.0016	.029	.0032	.0039
%RSD	.5178	.0279	5.795	6.368	.4709	.6943	3.441
#1	1.334	9.837	.0688	-.0255	6.116	.4656	.1111
#2	1.324	9.841	.0747	-.0233	6.156	.4702	.1166

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87109.**	**13041.**	**1469.3**	**5091.5**
Stddev	179.	100.	.6	2.6
%RSD	.20536	.76599	.04012	.05031
#1	87236.	12971.	1468.9	5089.7
#2	86983.	13112.	1469.7	5093.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 17:16:19 Type: QC
Method: Accutest1(v93) 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	**1.988**	**2.014**	**1.905**	**1.919**	**1.979**	**1.931**	**2.060**	**1.977**	**.2442**
Stddev	.000	.002	.005	.001	.003	.004	.000	.002	.0003
%RSD	.0100	.0874	.2592	.0370	.1340	.2142	.0033	.0969	.1044
#1	1.988	2.015	1.902	1.918	1.977	1.934	2.060	1.976	.2444
#2	1.989	2.012	1.909	1.919	1.981	1.928	2.060	1.979	.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	**2.009**	**1.980**	**1.923**	**1.993**	**2.005**	**1.916**	**1.902**	**40.11**	**39.35**
Stddev	.000	.003	.005	.004	.000	.006	.005	.01	.06
%RSD	.0044	.1272	.2863	.1797	.0115	.3236	.2759	.0277	.1443
#1	2.009	1.979	1.919	1.995	2.005	1.912	1.898	40.10	39.39
#2	2.009	1.982	1.927	1.990	2.005	1.920	1.905	40.12	39.31
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	**40.00**	**40.00**	**40.45**	**41.17**	**1.906**	**1.974**	**1.920**	**4.784**	**1.969**
Stddev	.01	.01	.00	.01	.006	.007	.004	.012	.007
%RSD	.0242	.0280	.0108	.0217	.3181	.3346	.2206	.2595	.3620
#1	39.99	40.01	40.45	41.16	1.901	1.969	1.923	4.775	1.964
#2	40.00	39.99	40.45	41.17	1.910	1.978	1.917	4.792	1.974
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: 5/30/2014 17:16:19 Type: QC
Method: Accutest1(v93) 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	**2.003**	**1.993**	**1.891**	**1.998**	**1.942**	**1.892**	**2.005**
Stddev	.001	.002	.019	.001	.004	.008	.001
%RSD	.0532	.0756	1.028	.0340	.1791	.4286	.0492
#1	2.003	1.994	1.877	1.998	1.940	1.886	2.005
#2	2.002	1.992	1.904	1.999	1.944	1.898	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	**90190.**	**13183.**	**1643.8**	**5323.1**
Stddev	3.	9.	5.1	1.9
%RSD	.00383	.06953	.30984	.03561
#1	90188.	13176.	1647.4	5324.5
#2	90192.	13189.	1640.2	5321.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 17:22:23 Type: QC
Method: Accutest1(v93) 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**	**.0003**	**.0000**	**-.0004**	**-.0010**	**.0000**	**-.0002**	**-.0003**
Stddev	.0002	.0001	.0002	.0002	.0000	.0003	.000	.0000	.0002
%RSD	113.3	466.0	58.74	331.9	5.692	30.52	28.29	14.74	71.40
#1	.0003	.0001	.0002	-.0001	-.0004	-.0008	.0000	-.0002	-.0002
#2	.0000	.0000	.0004	.0002	-.0004	-.0012	.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	**.0000**	**-.0012**	**-.0003**	**.0015**	**.0001**	**-.0015**	**.0016**	**.0075**	**-.0128**
Stddev	.0003	.0002	.0005	.0007	.0018	.0001	.0004	.0024	.0025
%RSD	920.4	13.83	151.5	47.54	1413.	5.829	26.84	31.47	19.15
#1	-.0002	-.0013	.0000	.0010	-.0012	-.0014	.0019	.0092	-.0111
#2	.0003	-.0011	-.0007	.0020	.0014	-.0015	.0013	.0058	-.0146
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	**.0029**	**.0108**	**.0134**	**-.0010**	**.0019**	F **.0021**	**-.0003**	**.0054**	**.0003**
Stddev	.0022	.0184	.0190	.0069	.0000	.0001	.0001	.0011	.0005
%RSD	78.22	170.2	141.4	700.2	2.473	5.400	47.92	20.08	168.7
#1	.0045	-.0022	.0269	.0039	.0019	.0022	-.0002	.0047	-.0001
#2	.0013	.0239	.0000	-.0058	.0020	.0020	-.0004	.0062	.0007
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: 5/30/2014 17:22:23 Type: QC
Method: Accutest1(v93) 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**	**.0006**	F **.0232**	F **.0012**	**-.0018**	**-.0001**	**.0006**
Stddev	.0000	.0003	.0011	.0001	.0003	.0007	.0004
%RSD	10.99	43.73	4.638	4.634	18.19	1176.	65.04
#1	.0001	.0008	.0240	.0012	-.0016	-.0005	.0003
#2	.0001	.0004	.0225	.0012	-.0020	.0004	.0009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94441.**	**13230.**	**1689.0**	**5750.5**
Stddev	204.	45.	1.1	7.1
%RSD	.21592	.34293	.06460	.12397
#1	94297.	13197.	1689.7	5755.6
#2	94585.	13262.	1688.2	5745.5

Zoom In Zoom Out

Sample Name: jb67495-18a Acquired: 5/30/2014 17:28:41 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**12.22**	**.0048**	**.0625**	**.0752**	**1.768**	**7.770**	**10.02**	**.2688**	**.0057**
Stddev	.01	.0000	.0003	.0006	.007	.009	.04	.0012	.0002
%RSD	.1077	.8366	.5051	.7899	.4019	.1161	.4000	.4455	3.681
#1	12.23	.0047	.0623	.0747	1.763	7.776	9.991	.2679	.0059
#2	12.21	.0048	.0627	.0756	1.773	7.763	10.05	.2696	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2883**	**19.92**	**.7594**	**-.0189**	**18.20**	**-.0043**	**.0829**	**60.24**	**65.89**
Stddev	.0004	.07	.0017	.0019	.04	.0039	.0015	.05	.14
%RSD	.1542	.3732	.2190	10.20	.2455	89.67	1.750	.0802	.2072
#1	.2880	19.87	.7583	-.0176	18.17	-.0070	.0839	60.20	65.99
#2	.2886	19.98	.7606	-.0203	18.24	-.0016	.0818	60.27	65.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**378.7**	**12.73**	**7.650**	**3.370**	**.0593**	**.0157**	**-.0162**	**2.808**	**4.111**
Stddev	.1	.03	.000	.017	.0009	.0004	.0003	.010	.017
%RSD	.0321	.2211	.0021	.5145	1.602	2.588	1.612	.3689	.4239
#1	378.6	12.75	7.650	3.358	.0586	.0160	-.0160	2.800	4.098
#2	378.7	12.71	7.649	3.383	.0599	.0154	-.0163	2.815	4.123

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8230**	**1.795**	**.4929**	**.0280**	**9.132**	**.0963**	**.1051**
Stddev	.0019	.001	.0018	.0003	.018	.0030	.0001
%RSD	.2334	.0373	.3646	1.000	.1934	3.111	.1365
#1	.8217	1.794	.4917	.0282	9.119	.0941	.1050
#2	.8244	1.795	.4942	.0278	9.144	.0984	.1052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92301.**	**13581.**	**1658.7**	**5591.0**
Stddev	125.	57.	7.2	19.0
%RSD	.13580	.42140	.43109	.34065
#1	92390.	13540.	1663.7	5604.4
#2	92213.	13621.	1653.6	5577.5

Zoom In Zoom Out

Sample Name: jb67495-19a Acquired: 5/30/2014 17:34:59 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.079**	**.0029**	**.0198**	**.0551**	**1.038**	**1.962**	**4.852**	**.1877**	**.0072**
Stddev	.009	.0000	.0006	.0002	.001	.008	.010	.0001	.0004
%RSD	.2877	.0734	2.799	.3698	.0622	.3963	.1993	.0673	5.893
#1	3.085	.0029	.0194	.0553	1.038	1.957	4.846	.1878	.0075
#2	3.072	.0029	.0202	.0550	1.037	1.968	4.859	.1876	.0069

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2368**	**12.45**	**.5182**	**-.0089**	**14.25**	**.0184**	**.0699**	**40.55**	**57.86**
Stddev	.0013	.00	.0000	.0037	.00	.0049	.0022	.02	.03
%RSD	.5634	.0159	.0019	41.57	.0208	26.80	3.141	.0380	.0584
#1	.2358	12.46	.5182	-.0115	14.25	.0149	.0684	40.56	57.84
#2	.2377	12.45	.5182	-.0063	14.25	.0218	.0715	40.53	57.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**552.2**	**15.68**	**4.815**	**2.049**	**.0495**	**-.0032**	**-.0160**	**2.442**	**4.156**
Stddev	.2	.01	.009	.006	.0008	.0004	.0005	.008	.006
%RSD	.0432	.0401	.1786	.2838	1.599	12.49	2.882	.3356	.1559
#1	552.4	15.68	4.821	2.045	.0501	-.0035	-.0163	2.448	4.152
#2	552.0	15.67	4.809	2.054	.0490	-.0029	-.0157	2.436	4.161

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3883**	**2.451**	**.1606**	**.0283**	**9.412**	**.0182**	**.0625**
Stddev	.0001	.004	.0009	.0003	.021	.0002	.0002
%RSD	.0372	.1555	.5307	.9459	.2238	.9563	.3713
#1	.3884	2.449	.1600	.0285	9.397	.0183	.0624
#2	.3882	2.454	.1612	.0281	9.427	.0181	.0627

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93143.**	**13545.**	**1667.4**	**5729.9**
Stddev	181.	16.	.3	4.0
%RSD	.19477	.11506	.01698	.06975
#1	93271.	13556.	1667.2	5732.7
#2	93015.	13534.	1667.6	5727.1

Zoom In Zoom Out

Sample Name: jb67495-12a Acquired: 5/30/2014 17:41:07 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5806**	**.0021**	**.0195**	**.8789**	**232.4**	**.4276**	**9.146**	**4.942**	**-.0041**
Stddev	.0005	.0001	.0001	.0014	1.5	.0020	.011	.006	.0001
%RSD	.0886	5.063	.2831	.1622	.6481	.4591	.1220	.1307	3.419
#1	.5802	.0022	.0195	.8779	231.3	.4262	9.138	4.937	-.0040
#2	.5810	.0020	.0194	.8799	233.5	.4289	9.153	4.947	-.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.723**	**3.515**	**.6267**	**-.0272**	**.1472**	**-.0107**	**5.871**	**308.4**	**2270.**
Stddev	.015	.033	.0062	.0006	.0002	.0032	.050	.4	24.
%RSD	.4140	.9385	.9820	2.211	.1305	29.74	.8438	.1223	1.064
#1	3.712	3.492	.6224	-.0268	.1473	-.0130	5.836	308.2	2287.
#2	3.734	3.538	.6311	-.0276	.1471	-.0085	5.906	308.7	2252.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**499.0**	**374.8**	**.1052**	**5.461**	**.1453**	**.0069**	**-.0589**	**6.767**	**-.0049**
Stddev	1.6	1.9	.0005	.008	.0011	.0000	.0008	.042	.0005
%RSD	.3146	.5100	.4309	.1511	.7461	.5591	1.280	.6244	10.39
#1	500.1	376.2	.1056	5.455	.1445	.0069	-.0594	6.738	-.0046
#2	497.9	373.5	.1049	5.467	.1460	.0070	-.0584	6.797	-.0053

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4653**	**8.113**	**.0714**	**-.0468**	**44.87**	**.7987**	**.0651**
Stddev	.0004	.021	.0028	.0001	.19	.0026	.0009
%RSD	.0818	.2572	3.907	.3137	.4191	.3266	1.310
#1	.4655	8.098	.0695	-.0469	44.73	.7969	.0645
#2	.4650	8.127	.0734	-.0467	45.00	.8006	.0657

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73179.**	**11775.**	**540.63**	**4377.9**
Stddev	126.	84.	3.43	2.4
%RSD	.17182	.71323	.63371	.05442
#1	73268.	11715.	543.05	4376.2
#2	73090.	11834.	538.21	4379.6

Zoom In Zoom Out

Sample Name: jb67867-1 2 Acquired: 5/30/2014 17:47:32 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5759**	**.0045**	**.0041**	**.0426**	**.1542**	**.7193**	**.8640**	**2.331**	**.0009**
Stddev	.0002	.0000	.0000	.0003	.0001	.0032	.0013	.003	.0003
%RSD	.0423	.4461	.8589	.7571	.0775	.4448	.1495	.1280	37.32
#1	.5760	.0045	.0041	.0424	.1543	.7171	.8649	2.333	.0006
#2	.5757	.0045	.0041	.0429	.1541	.7216	.8631	2.329	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2195**	**.9618**	**.0719**	**.0047**	**.7025**	**.0096**	**.0076**	**47.01**	**57.63**
Stddev	.0003	.0027	.0004	.0011	.0013	.0012	.0013	.04	.03
%RSD	.1367	.2774	.5755	23.79	.1864	12.15	17.58	.0910	.0459
#1	.2193	.9637	.0716	.0039	.7035	.0104	.0086	47.04	57.65
#2	.2197	.9599	.0722	.0055	.7016	.0088	.0067	46.98	57.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**171.8**	**11.86**	**4.948**	**2.212**	**.0371**	**.0028**	**-.0092**	**3.224**	**.0591**
Stddev	.0	.01	.005	.002	.0007	.0000	.0003	.006	.0011
%RSD	.0143	.0849	.0923	.1091	1.882	1.016	3.348	.1821	1.934
#1	171.8	11.86	4.944	2.210	.0376	.0029	-.0090	3.228	.0583
#2	171.8	11.85	4.951	2.214	.0366	.0028	-.0094	3.220	.0599

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2720**	**1.834**	**.0211**	**.0236**	**27.48**	**.0004**	**.0866**
Stddev	.0003	.001	.0002	.0000	.03	.0011	.0003
%RSD	.1241	.0341	.7412	.0041	.1097	260.6	.3033
#1	.2723	1.834	.0210	.0236	27.50	-.0004	.0864
#2	.2718	1.833	.0212	.0236	27.46	.0013	.0868

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91487.**	**13521.**	**1655.6**	**5503.9**
Stddev	90.	21.	1.1	1.7
%RSD	.09808	.15369	.06790	.03080
#1	91423.	13535.	1654.8	5502.7
#2	91550.	13506.	1656.4	5505.1

Zoom In Zoom Out

Sample Name: jb67868-1 Acquired: 5/30/2014 17:53:40 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3031**	**.0017**	**.0025**	**.0400**	**.1314**	**1.674**	**1.110**	**2.661**	**.1071**
Stddev	.0008	.0000	.0001	.0003	.0005	.006	.004	.003	.0002
%RSD	.2599	1.757	4.279	.6262	.3450	.3368	.3301	.1009	.1420
#1	.3025	.0017	.0024	.0398	.1317	1.678	1.113	2.663	.1070
#2	.3036	.0017	.0026	.0402	.1311	1.670	1.108	2.659	.1072

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1975**	**2.199**	**.1013**	**-.0009**	**5.892**	**.0119**	**.0511**	**47.96**	**67.84**
Stddev	.0009	.001	.0003	.0025	.013	.0020	.0006	.01	.07
%RSD	.4354	.0268	.2688	284.5	.2263	17.18	1.134	.0214	.1027
#1	.1981	2.198	.1011	-.0026	5.902	.0134	.0507	47.96	67.79
#2	.1969	2.199	.1015	.0009	5.883	.0105	.0516	47.95	67.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**248.3**	**14.06**	**4.934**	**3.618**	**.0402**	**.0284**	**-.0107**	**2.594**	**2.698**
Stddev	.3	.06	.007	.008	.0004	.0007	.0003	.008	.010
%RSD	.1161	.4573	.1461	.2121	.9037	2.394	2.930	.3250	.3551
#1	248.1	14.02	4.929	3.624	.0404	.0279	-.0105	2.588	2.691
#2	248.5	14.11	4.940	3.613	.0399	.0288	-.0109	2.599	2.705

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2305**	**3.259**	**.0309**	**.0336**	**11.58**	**.0970**	**.0563**
Stddev	.0003	.007	.0003	.0000	.01	.0003	.0004
%RSD	.1499	.2167	1.026	.1159	.0827	.2779	.7597
#1	.2303	3.264	.0307	.0336	11.59	.0971	.0566
#2	.2308	3.254	.0311	.0336	11.58	.0968	.0560

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91134.**	**13339.**	**1641.6**	**5530.3**
Stddev	171.	25.	5.0	7.7
%RSD	.18739	.18902	.30442	.13906
#1	91013.	13321.	1645.2	5524.8
#2	91255.	13357.	1638.1	5535.7

Zoom In Zoom Out

Sample Name: mp79742-mb1conf Acquired: 5/30/2014 17:59:46 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**.0000**	**.0002**	**.0002**	**.0004**	**-.0006**	**.0003**	**.0001**	**-.0004**
Stddev	.0000	.0000	.0002	.0001	.0001	.0002	.0000	.0002	.0001
%RSD	3.248	44.39	87.65	47.36	17.76	26.29	11.30	169.4	32.50
#1	.0010	.0000	.0001	.0002	.0004	-.0005	.0003	.0000	-.0003
#2	.0010	.0000	.0003	.0001	.0005	-.0007	.0004	.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0015**	**-.0001**	**-.0022**	**.0008**	**.0028**	**.0014**	**.0176**	**.0696**
Stddev	.0000	.0000	.0004	.0002	.0002	.0017	.0001	.0031	.0002
%RSD	7.959	2.612	254.4	7.045	29.28	62.86	10.53	17.85	.3273
#1	.0002	.0016	.0001	-.0024	.0006	.0015	.0015	.0154	.0698
#2	.0002	.0015	-.0004	-.0021	.0009	.0040	.0013	.0198	.0695

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0413**	**.0175**	**.0101**	**.0342**	**.0010**	**.0005**	**.0000**	**.0273**	**.0098**
Stddev	.0000	.0335	.0022	.0049	.0002	.0000	.000	.0000	.0009
%RSD	.0464	191.3	21.54	14.23	16.37	4.406	1521.	.0043	8.708
#1	.0413	.0412	.0085	.0376	.0008	.0005	.0002	.0273	.0104
#2	.0412	-.0062	.0116	.0308	.0011	.0005	-.0002	.0273	.0092

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0008**	**.0087**	**.0005**	**.0098**	**-.0006**	**-.0008**
Stddev	.0001	.0001	.0002	.0000	.0015	.0006	.0004
%RSD	16.08	12.04	2.634	2.737	15.53	101.4	47.36
#1	.0004	.0009	.0085	.0005	.0087	-.0002	-.0005
#2	.0003	.0008	.0088	.0005	.0109	-.0009	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95074.**	**13539.**	**1677.7**	**5754.9**
Stddev	78.	46.	3.1	4.7
%RSD	.08247	.33819	.18751	.08223
#1	95130.	13571.	1679.9	5758.2
#2	95019.	13507.	1675.5	5751.5

Zoom In Zoom Out

Sample Name: jb67866-1 2 Acquired: 5/30/2014 18:06:05 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8460**	**.0040**	**.0224**	**.5184**	**.2386**	**7.233**	**1.915**	**75.59**	**.0047**
Stddev	.0008	.0000	.0002	.0016	.0009	.022	.001	.03	.0000
%RSD	.0965	1.104	.6880	.3060	.3580	.2985	.0339	.0410	.0730
#1	.8454	.0041	.0225	.5172	.2392	7.218	1.915	75.57	.0047
#2	.8466	.0040	.0223	.5195	.2380	7.248	1.916	75.61	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8866**	**3.202**	**.4411**	**.0030**	**3.266**	**.0514**	**.0195**	**79.76**	**37.32**
Stddev	.0012	.001	.0015	.0008	.005	.0032	.0007	.15	.03
%RSD	.1313	.0416	.3324	26.61	.1475	6.180	3.750	.1943	.0672
#1	.8858	3.202	.4401	.0024	3.269	.0492	.0200	79.65	37.34
#2	.8874	3.203	.4422	.0036	3.262	.0537	.0190	79.87	37.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**310.5**	**23.20**	**5.992**	**2.916**	**.0362**	**.0233**	**-.0058**	**2.817**	**.1337**
Stddev	.4	.01	.015	.002	.0002	.0001	.0003	.001	.0008
%RSD	.1157	.0518	.2573	.0608	.5017	.3311	5.865	.0233	.6101
#1	310.2	23.21	5.981	2.918	.0361	.0233	-.0061	2.818	.1331
#2	310.7	23.20	6.003	2.915	.0363	.0232	-.0056	2.817	.1343

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3278**	**3.094**	**.0367**	**.0137**	**8.886**	**.0004**	**.1635**
Stddev	.0002	.002	.0003	.0001	.006	.0002	.0013
%RSD	.0758	.0512	.7850	.4394	.0734	46.32	.8162
#1	.3280	3.093	.0369	.0137	8.881	.0006	.1645
#2	.3276	3.096	.0365	.0136	8.890	.0003	.1626

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89521.**	**13245.**	**1613.7**	**5614.5**
Stddev	7.	39.	1.2	1.6
%RSD	.00771	.29148	.07243	.02912
#1	89526.	13273.	1614.5	5615.6
#2	89516.	13218.	1612.9	5613.3

Zoom In Zoom Out

Sample Name: jb67873-1 Acquired: 5/30/2014 18:12:11 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6054**	**.0043**	**.0007**	**.0553**	**.1088**	**.2153**	**5.704**	**.1288**	**-.0009**
Stddev	.0005	.0000	.0002	.0003	.0007	.0012	.040	.0004	.0002
%RSD	.0894	.2185	32.90	.4626	.6021	.5473	.7046	.3075	26.57
#1	.6050	.0043	.0005	.0551	.1084	.2161	5.733	.1285	-.0010
#2	.6058	.0043	.0009	.0555	.1093	.2145	5.676	.1291	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1555**	**.3029**	**.0142**	**.0081**	**.0696**	**.0021**	**.0037**	**69.07**	**7.687**
Stddev	.0005	.0009	.0009	.0002	.0007	.0016	.0001	.02	.022
%RSD	.3354	.3079	6.026	1.906	.9484	78.64	2.145	.0232	.2838
#1	.1558	.3023	.0148	.0082	.0691	.0009	.0036	69.08	7.671
#2	.1551	.3036	.0136	.0080	.0700	.0032	.0037	69.06	7.702

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**129.3**	**30.80**	**14.11**	**1.893**	**.0710**	**-.0040**	**-.0117**	**1.686**	**.0111**
Stddev	.2	.01	.04	.000	.0005	.0000	.0005	.001	.0001
%RSD	.1565	.0259	.2915	.0141	.7049	.6291	3.877	.0368	.7675
#1	129.2	30.80	14.08	1.894	.0713	-.0041	-.0120	1.686	.0110
#2	129.5	30.81	14.14	1.893	.0706	-.0040	-.0114	1.686	.0111

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0603**	**2.000**	**.0120**	**.0505**	**.1174**	**-.0059**	**.1419**
Stddev	.0000	.001	.0012	.0005	.0013	.0002	.0004
%RSD	.0057	.0557	10.17	.9124	1.107	3.339	.3029
#1	.0603	2.001	.0112	.0501	.1165	-.0060	.1416
#2	.0603	2.000	.0129	.0508	.1184	-.0058	.1422

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93861.**	**13776.**	**1717.5**	**5525.7**
Stddev	29.	20.	2.8	.0
%RSD	.03045	.14285	.16068	.00002
#1	93841.	13790.	1719.5	5525.7
#2	93881.	13762.	1715.6	5525.7

Zoom In Zoom Out

Sample Name: mp79752-mb1 2 Acquired: 5/30/2014 18:18:27 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0001**	**.0002**	**.0000**	**.0001**	**-.0010**	**.0003**	**.0002**	**-.0002**
Stddev	.0000	.0000	.0001	.0002	.0000	.0001	.0001	.0000	.0001
%RSD	11.27	19.09	45.29	795.0	56.40	14.46	24.90	.4298	49.32
#1	.0004	.0001	.0003	-.0001	.0001	-.0009	.0002	.0002	-.0001
#2	.0004	.0001	.0001	.0001	.0000	-.0011	.0003	.0002	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0007**	**-.0003**	**.0015**	**.0006**	**.0012**	**.0005**	**.0154**	**-.0037**
Stddev	.0000	.0001	.0007	.0009	.0012	.0005	.0000	.0005	.0008
%RSD	29.24	13.93	207.2	57.49	196.4	36.56	4.577	2.988	22.27
#1	.0002	-.0006	.0002	.0009	-.0002	.0016	.0005	.0151	-.0031
#2	.0001	-.0007	-.0008	.0022	.0015	.0009	.0005	.0157	-.0043

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0182**	**.0161**	**.0184**	**.0003**	**.0001**	**.0003**	**.0000**	**.0035**	**.0085**
Stddev	.0002	.0085	.0024	.0007	.0001	.0002	.0001	.0008	.0000
%RSD	.8632	52.56	12.90	206.9	93.84	50.71	460.5	22.03	.1270
#1	.0181	.0101	.0201	.0008	.0002	.0005	.0000	.0029	.0085
#2	.0183	.0221	.0168	-.0001	.0000	.0002	.0001	.0040	.0085

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0007**	**.0025**	**.0007**	**.0114**	**-.0001**	**-.0001**
Stddev	.0000	.0000	.0002	.0001	.0010	.0007	.0002
%RSD	10.71	.8609	8.985	16.60	8.758	1012.	143.6
#1	.0002	.0007	.0024	.0007	.0121	-.0005	.0000
#2	.0002	.0007	.0027	.0006	.0107	.0004	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95596.**	**13455.**	**1699.5**	**5804.8**
Stddev	15.	56.	8.3	15.2
%RSD	.01522	.41431	.48993	.26254
#1	95586.	13415.	1705.4	5815.6
#2	95606.	13494.	1693.6	5794.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 18:24:45 Type: QC
Method: Accutest1(v93) 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	**1.979**	**1.999**	**1.900**	**1.911**	**1.969**	**1.912**	**2.045**	**1.972**	**.2430**
Stddev	.003	.002	.004	.004	.004	.003	.004	.001	.0013
%RSD	.1303	.0747	.2103	.1868	.1962	.1741	.1853	.0654	.5319
#1	1.981	2.000	1.897	1.908	1.972	1.915	2.048	1.971	.2440
#2	1.977	1.998	1.903	1.913	1.967	1.910	2.042	1.973	.2421
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	**1.979**	**1.979**	**1.919**	**1.969**	**2.004**	**1.908**	**1.897**	**39.68**	**39.49**
Stddev	.004	.005	.006	.000	.000	.000	.005	.00	.09
%RSD	.1768	.2792	.3001	.0040	.0181	.0117	.2522	.0042	.2255
#1	1.982	1.975	1.914	1.968	2.004	1.908	1.894	39.68	39.55
#2	1.977	1.983	1.923	1.969	2.004	1.908	1.901	39.68	39.43
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	**39.91**	**39.97**	**40.37**	**40.86**	**1.903**	**1.972**	**1.905**	**4.779**	**1.960**
Stddev	.14	.15	.00	.03	.005	.006	.001	.013	.005
%RSD	.3626	.3804	.0117	.0632	.2404	.3127	.0385	.2669	.2707
#1	40.01	40.08	40.36	40.85	1.900	1.967	1.905	4.770	1.956
#2	39.81	39.87	40.37	40.88	1.906	1.976	1.904	4.788	1.963
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: 5/30/2014 18:24:45 Type: QC
Method: Accutest1(v93) 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	**2.018**	**1.980**	**1.886**	**1.994**	**1.931**	**1.889**	**2.003**
Stddev	.004	.004	.015	.001	.006	.008	.001
%RSD	.2101	.1977	.7941	.0460	.2888	.4040	.0676
#1	2.021	1.983	1.875	1.993	1.927	1.884	2.004
#2	2.015	1.977	1.896	1.995	1.935	1.895	2.002
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	**90547.**	**13180.**	**1641.6**	**5318.4**
Stddev	106.	1.	3.3	4.0
%RSD	.11726	.00800	.19933	.07526
#1	90472.	13179.	1643.9	5321.3
#2	90622.	13181.	1639.2	5315.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 18:30:48 Type: QC
Method: Accutest1(v93) 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**	**.0002**	**.0003**	**.0000**	**-.0003**	**-.0008**	**.0002**	**-.0002**	**-.0004**
Stddev	.0001	.0000	.0001	.0001	.0002	.0002	.0000	.0001	.0002
%RSD	26.61	20.79	43.73	381.5	55.54	26.29	12.12	31.72	46.29
#1	.0006	.0002	.0002	.0000	-.0002	-.0006	.0001	-.0002	-.0006
#2	.0004	.0002	.0003	.0001	-.0005	-.0009	.0002	-.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	**.0003**	**-.0010**	**-.0006**	**-.0006**	**.0008**	**.0008**	**.0013**	**.0066**	**-.0116**
Stddev	.0002	.0002	.0009	.0027	.0005	.0001	.0003	.0005	.0002
%RSD	56.28	17.48	164.6	460.8	58.79	8.068	24.89	8.311	1.362
#1	.0002	-.0011	-.0012	.0013	.0012	.0008	.0011	.0070	-.0117
#2	.0005	-.0009	.0001	-.0025	.0005	.0008	.0015	.0062	-.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	**.0061**	**.0129**	**.0093**	**-.0018**	**.0019**	F **.0023**	**.0006**	**.0063**	**.0003**
Stddev	.0010	.0233	.0008	.0099	.0003	.0003	.0000	.0002	.0007
%RSD	17.15	181.2	8.450	549.0	13.62	13.40	7.748	3.829	224.1
#1	.0069	.0294	.0088	-.0088	.0021	.0025	.0007	.0061	-.0002
#2	.0054	-.0036	.0099	.0052	.0017	.0021	.0006	.0065	.0009
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: 5/30/2014 18:30:48 Type: QC
Method: Accutest1(v93) 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**	**.0008**	F **.0226**	F **.0013**	**.0030**	**.0003**	**-.0002**
Stddev	.0000	.0000	.0021	.0001	.0009	.0001	.0002
%RSD	.8875	2.133	9.447	6.695	28.30	23.85	132.7
#1	.0002	.0008	.0241	.0014	.0036	.0004	-.0004
#2	.0002	.0008	.0211	.0012	.0024	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94007.**	**13227.**	**1685.3**	**5730.8**
Stddev	49.	115.	.3	4.4
%RSD	.05189	.87291	.01657	.07703
#1	94041.	13145.	1685.1	5734.0
#2	93972.	13308.	1685.5	5727.7

Zoom In Zoom Out

Sample Name: mp79752-b1 Acquired: 5/30/2014 18:37:07 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.329**	**.1121**	**.1029**	**1.024**	**.4378**	**.5138**	**1.132**	**1.068**	**.1140**
Stddev	.003	.0001	.0001	.001	.0000	.0002	.002	.000	.0001
%RSD	.0766	.1184	.1317	.0734	.0062	.0409	.2093	.0415	.0806
#1	4.332	.1122	.1030	1.024	.4378	.5137	1.131	1.068	.1140
#2	4.327	.1120	.1028	1.025	.4379	.5140	1.134	1.068	.1141

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.052**	**1.083**	**4.117**	**4.290**	**1.056**	**4.196**	**1.005**	**56.81**	**13.09**
Stddev	.003	.001	.000	.022	.000	.009	.002	.04	.02
%RSD	.2643	.0869	.0031	.5083	.0391	.2094	.1968	.0686	.1559
#1	1.050	1.084	4.117	4.275	1.056	4.203	1.004	56.78	13.10
#2	1.054	1.082	4.117	4.306	1.057	4.190	1.006	56.84	13.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**55.79**	**13.42**	**13.50**	**13.47**	**-.0020**	**.0006**	**-.0025**	**.0445**	**.0158**
Stddev	.10	.02	.01	.01	.0000	.0002	.0014	.0006	.0007
%RSD	.1850	.1770	.0840	.0910	.6956	37.48	56.52	1.313	4.266
#1	55.86	13.44	13.51	13.46	-.0020	.0008	-.0034	.0441	.0153
#2	55.72	13.41	13.49	13.47	-.0019	.0005	-.0015	.0449	.0162

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0037**	**.0240**	**.0073**	**.0048**	**-.0014**	**.0007**
Stddev	.0000	.0002	.0012	.0005	.0007	.0001	.0002
%RSD	19.75	4.491	4.838	6.329	15.12	5.061	20.14
#1	.0002	.0038	.0248	.0076	.0043	-.0014	.0009
#2	.0002	.0036	.0232	.0069	.0053	-.0013	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91590.**	**13196.**	**1649.7**	**5473.7**
Stddev	100.	33.	1.3	3.4
%RSD	.10953	.25261	.07898	.06226
#1	91519.	13172.	1648.8	5471.3
#2	91661.	13219.	1650.6	5476.1

Zoom In Zoom Out

Sample Name: mp79752-lc1 Acquired: 5/30/2014 18:43:13 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.295**	**.6579**	**.7239**	**.3372**	**.6022**	**.3199**	**2.957**	**1.601**	**.2242**
Stddev	.001	.0012	.0003	.0001	.0019	.0002	.007	.002	.0014
%RSD	.0619	.1842	.0465	.0296	.3170	.0720	.2242	.1023	.6331
#1	1.295	.6588	.7236	.3371	.6008	.3197	2.952	1.600	.2232
#2	1.294	.6571	.7241	.3373	.6035	.3200	2.962	1.602	.2252

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6052**	**1.568**	**.7257**	**1.346**	**1.287**	**.8038**	**.5394**	**54.41**	**31.72**
Stddev	.0013	.004	.0016	.003	.001	.0003	.0020	.10	.00
%RSD	.2074	.2730	.2272	.2187	.0514	.0400	.3716	.1914	.0085
#1	.6043	1.565	.7245	1.344	1.288	.8040	.5380	54.48	31.72
#2	.6061	1.571	.7268	1.348	1.287	.8035	.5409	54.34	31.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**73.30**	**19.45**	**17.12**	**3.832**	**.5988**	**.4041**	**-.0099**	**4.488**	**.5609**
Stddev	.11	.02	.05	.011	.0023	.0012	.0002	.006	.0014
%RSD	.1486	.1274	.2943	.2759	.3824	.3052	2.281	.1256	.2422
#1	73.38	19.43	17.16	3.839	.6004	.4032	-.0098	4.484	.5599
#2	73.22	19.47	17.08	3.824	.5972	.4050	-.0101	4.492	.5618

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5606**	**1.969**	**.0184**	**.0479**	**1.207**	**-.0057**	**.0443**
Stddev	.0002	.002	.0006	.0004	.004	.0009	.0004
%RSD	.0347	.1124	3.420	.8174	.3376	15.23	.8516
#1	.5607	1.967	.0180	.0477	1.204	-.0051	.0446
#2	.5604	1.971	.0189	.0482	1.210	-.0063	.0441

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92063.**	**13335.**	**1670.6**	**5395.8**
Stddev	171.	37.	1.8	7.0
%RSD	.18571	.27933	.10486	.12937
#1	92184.	13309.	1671.9	5400.7
#2	91943.	13362.	1669.4	5390.9

Zoom In Zoom Out

Sample Name: jb67871-1 Acquired: 5/30/2014 18:49:14 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.410**	**.0029**	**.0054**	**.2035**	**.1613**	**1.948**	**.5187**	**20.10**	**.0004**
Stddev	.004	.0001	.0002	.0003	.0002	.007	.0001	.02	.0004
%RSD	.2489	2.966	4.368	.1416	.1453	.3574	.0113	.1055	100.5
#1	1.408	.0028	.0052	.2033	.1612	1.953	.5187	20.08	.0007
#2	1.413	.0029	.0055	.2037	.1615	1.943	.5186	20.11	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2918**	**.8188**	**.3431**	**.0043**	**1.724**	**.0118**	**.0517**	**26.86**	**10.66**
Stddev	.0003	.0011	.0003	.0030	.001	.0006	.0013	.04	.01
%RSD	.0992	.1402	.0959	69.40	.0769	4.814	2.438	.1445	.1404
#1	.2920	.8180	.3433	.0063	1.723	.0114	.0508	26.84	10.65
#2	.2916	.8196	.3428	.0022	1.725	.0122	.0526	26.89	10.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**519.2**	**5.671**	**10.41**	**4.537**	**.0172**	**-.0099**	**-.0083**	**4.600**	**.2600**
Stddev	.6	.006	.02	.013	.0005	.0001	.0002	.002	.0009
%RSD	.1153	.0980	.1961	.2849	3.115	1.347	1.958	.0324	.3547
#1	519.6	5.668	10.39	4.527	.0175	-.0098	-.0082	4.601	.2593
#2	518.7	5.675	10.42	4.546	.0168	-.0100	-.0085	4.599	.2606

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8026**	**2.614**	**.0430**	**.0586**	**30.80**	**.0073**	**.0900**
Stddev	.0010	.001	.0000	.0002	.08	.0012	.0002
%RSD	.1294	.0243	.0849	.2762	.2476	16.56	.2210
#1	.8019	2.613	.0430	.0588	30.74	.0082	.0901
#2	.8034	2.614	.0429	.0585	30.85	.0065	.0898

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89501.**	**13028.**	**1626.1**	**5799.4**
Stddev	55.	5.	.1	1.0
%RSD	.06166	.04030	.00395	.01669
#1	89540.	13032.	1626.1	5798.7
#2	89462.	13024.	1626.2	5800.1

Zoom In Zoom Out

Sample Name: jb67702-1a Acquired: 5/30/2014 18:55:25 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3986**	**.0048**	**.0013**	**.0387**	**.1441**	**.1710**	**2.276**	**.0806**	**.0001**
Stddev	.0010	.0000	.0001	.0001	.0009	.0003	.004	.0001	.0002
%RSD	.2522	.8001	4.982	.3741	.6223	.1851	.1691	.1641	217.2
#1	.3979	.0049	.0013	.0386	.1435	.1712	2.273	.0807	.0002
#2	.3993	.0048	.0014	.0388	.1448	.1708	2.278	.0805	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2026**	**.6006**	**.0333**	**.0034**	**.3070**	**.0034**	**.0037**	**71.54**	**30.45**
Stddev	.0004	.0008	.0007	.0014	.0005	.0005	.0000	.09	.04
%RSD	.1738	.1394	2.248	41.46	.1669	15.35	.1271	.1234	.1344
#1	.2029	.6000	.0339	.0043	.3074	.0030	.0037	71.48	30.47
#2	.2024	.6012	.0328	.0024	.3066	.0038	.0037	71.60	30.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**119.7**	**26.68**	**9.906**	**2.913**	**.0614**	**-.0025**	**-.0100**	**2.304**	**.0311**
Stddev	.2	.01	.037	.002	.0008	.0002	.0004	.000	.0011
%RSD	.1709	.0209	.3739	.0564	1.299	7.700	3.893	.0024	3.560
#1	119.9	26.68	9.880	2.914	.0608	-.0024	-.0103	2.304	.0319
#2	119.6	26.68	9.932	2.912	.0619	-.0026	-.0098	2.304	.0303

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1854**	**1.598**	**.0143**	**.0158**	**1.387**	**-.0029**	**.0692**
Stddev	.0001	.001	.0005	.0001	.003	.0001	.0009
%RSD	.0341	.0589	3.351	.5478	.2248	1.818	1.366
#1	.1855	1.597	.0139	.0159	1.385	-.0028	.0686
#2	.1854	1.599	.0146	.0158	1.390	-.0029	.0699

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93522.**	**13564.**	**1709.1**	**5476.2**
Stddev	121.	29.	4.5	7.0
%RSD	.12986	.21482	.26604	.12783
#1	93608.	13544.	1712.3	5481.1
#2	93436.	13585.	1705.9	5471.2

Zoom In Zoom Out

Sample Name: mp79751-s1 2 Acquired: 5/30/2014 19:01:35 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.504**	**.1074**	**.1022**	**1.012**	**.4778**	**.6165**	**4.749**	**1.078**	**.1179**
Stddev	.001	.0001	.0003	.002	.0000	.0015	.008	.001	.0003
%RSD	.0236	.0475	.2935	.1571	.0078	.2456	.1729	.1183	.2625
#1	4.505	.1074	.1024	1.011	.4778	.6176	4.743	1.077	.1182
#2	4.503	.1074	.1020	1.014	.4778	.6155	4.755	1.079	.1177

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.057**	**1.434**	**4.103**	**3.903**	**1.821**	**4.101**	**.5763**	**104.6**	**522.1**
Stddev	.003	.004	.003	.002	.004	.002	.0005	.1	3.9
%RSD	.3017	.2556	.0697	.0580	.2018	.0362	.0796	.0552	.7449
#1	1.054	1.432	4.101	3.905	1.818	4.100	.5766	104.6	524.8
#2	1.059	1.437	4.105	3.901	1.824	4.102	.5759	104.5	519.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**158.0**	**62.64**	**18.76**	**16.97**	**.0410**	**-.0016**	**-.0218**	**6.079**	**.0210**
Stddev	.3	.01	.03	.00	.0014	.0002	.0003	.001	.0015
%RSD	.1592	.0119	.1780	.0005	3.517	11.34	1.201	.0121	7.326
#1	158.2	62.64	18.73	16.97	.0400	-.0015	-.0216	6.080	.0221
#2	157.8	62.63	18.78	16.97	.0420	-.0017	-.0220	6.079	.0199

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.124**	**1.430**	**.0209**	**.0636**	**2.855**	**-.0026**	**.0493**
Stddev	.002	.002	.0008	.0001	.002	.0003	.0009
%RSD	.1975	.1131	3.597	.2280	.0519	11.38	1.824
#1	1.122	1.429	.0203	.0635	2.854	-.0024	.0486
#2	1.125	1.431	.0214	.0637	2.856	-.0028	.0499

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86584.**	**12882.**	**1548.1**	**4870.9**
Stddev	52.	40.	1.1	6.0
%RSD	.06006	.30690	.06785	.12262
#1	86621.	12854.	1547.4	4875.1
#2	86547.	12910.	1548.9	4866.6

Zoom In Zoom Out

Sample Name: mp79751-s2 Acquired: 5/30/2014 19:07:44 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.303**	**.1007**	**.0944**	**.9480**	**.4441**	**.6158**	**3.821**	**1.049**	**.1084**
Stddev	.001	.0001	.0004	.0016	.0001	.0012	.002	.003	.0004
%RSD	.0308	.0794	.3842	.1649	.0165	.1934	.0574	.2580	.3262
#1	4.304	.1006	.0941	.9491	.4441	.6167	3.823	1.051	.1087
#2	4.302	.1007	.0946	.9469	.4442	.6150	3.820	1.047	.1082

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.036**	**2.023**	**3.781**	**3.661**	**1.753**	**3.798**	**.5546**	**99.44**	**464.3**
Stddev	.001	.001	.003	.009	.005	.004	.0021	.09	3.0
%RSD	.1392	.0695	.0883	.2391	.2850	.1198	.3818	.0948	.6508
#1	1.037	2.024	3.783	3.667	1.757	3.801	.5561	99.37	462.2
#2	1.035	2.022	3.779	3.655	1.749	3.795	.5531	99.51	466.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**169.8**	**46.95**	**18.59**	**16.51**	**.0385**	**-.0031**	**-.0217**	**5.397**	**.0222**
Stddev	.0	.08	.00	.00	.0001	.0001	.0003	.017	.0009
%RSD	.0123	.1684	.0039	.0085	.3658	2.663	1.413	.3189	4.208
#1	169.8	47.00	18.59	16.51	.0384	-.0030	-.0215	5.409	.0229
#2	169.9	46.89	18.59	16.51	.0386	-.0031	-.0219	5.385	.0216

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9989**	**1.294**	**.0214**	**.0520**	**2.435**	**.0000**	**.0459**
Stddev	.0001	.001	.0011	.0000	.007	.0020	.0002
%RSD	.0109	.0790	5.273	.0131	.2833	51200.	.4289
#1	.9990	1.293	.0206	.0520	2.440	-.0014	.0458
#2	.9988	1.295	.0222	.0520	2.430	.0014	.0460

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86480.**	**12968.**	**1586.8**	**4970.5**
Stddev	43.	17.	2.6	12.0
%RSD	.04951	.13352	.16475	.24107
#1	86450.	12980.	1584.9	4962.0
#2	86511.	12956.	1588.6	4979.0

Zoom In Zoom Out

Sample Name: jb66447-2r Acquired: 5/30/2014 19:13:50 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3985**	**.0028**	**.0012**	**.0311**	**.0698**	**.1300**	**3.780**	**.0713**	**.0035**
Stddev	.0011	.0000	.0002	.0002	.0000	.0000	.016	.0006	.0011
%RSD	.2756	.4368	18.70	.5013	.0119	.0304	.4169	.8752	32.09
#1	.3993	.0028	.0014	.0310	.0698	.1301	3.791	.0709	.0027
#2	.3977	.0028	.0010	.0312	.0698	.1300	3.769	.0718	.0043

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1270**	**.6503**	**.0785**	**-.0098**	**.5340**	**.0222**	**.0044**	**53.26**	**522.7**
Stddev	.0002	.0023	.0010	.0028	.0015	.0045	.0005	.10	9.6
%RSD	.1765	.3518	1.236	28.06	.2884	20.09	10.81	.1791	1.835
#1	.1271	.6487	.0778	-.0079	.5351	.0253	.0047	53.33	516.0
#2	.1268	.6519	.0792	-.0118	.5329	.0190	.0040	53.19	529.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**96.14**	**55.23**	**6.326**	**4.835**	**.0378**	**-.0019**	**-.0210**	**2.915**	**.0179**
Stddev	.28	.27	.006	.010	.0015	.0002	.0011	.006	.0005
%RSD	.2867	.4910	.0930	.2118	3.957	12.00	5.469	.2039	2.588
#1	95.94	55.03	6.330	4.842	.0368	-.0021	-.0202	2.910	.0176
#2	96.33	55.42	6.321	4.828	.0389	-.0018	-.0218	2.919	.0183

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.005**	**1.819**	**.0107**	**.0632**	**2.963**	**-.0018**	**.0479**
Stddev	.003	.003	.0004	.0001	.017	.0011	.0008
%RSD	.3303	.1864	4.075	.1385	.5605	59.64	1.741
#1	1.008	1.821	.0104	.0631	2.951	-.0026	.0485
#2	1.003	1.816	.0110	.0632	2.975	-.0011	.0473

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86160.**	**12858.**	**1576.3**	**4871.0**
Stddev	212.	39.	2.7	1.2
%RSD	.24573	.30353	.17195	.02558
#1	86010.	12830.	1578.3	4870.2
#2	86310.	12885.	1574.4	4871.9

Zoom In Zoom Out

Sample Name: mp79751-sd1 Acquired: 5/30/2014 19:20:03 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3833**	**.0027**	**.0024**	**.0273**	**.0728**	**.1201**	**3.893**	**.0736**	**.0021**
Stddev	.0079	.0000	.0002	.0018	.0010	.0001	.025	.0007	.0014
%RSD	2.050	1.345	6.573	6.428	1.328	.0842	.6505	.9405	64.43
#1	.3777	.0027	.0023	.0261	.0722	.1201	3.875	.0731	.0011
#2	.3888	.0027	.0025	.0286	.0735	.1200	3.911	.0741	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1254**	**.6940**	**.0744**	**.0070**	**.5574**	**.0127**	**.0010**	**49.41**	**523.7**
Stddev	.0011	.0059	.0035	.0040	.0004	.0009	.0019	.78	9.4
%RSD	.8698	.8516	4.681	57.51	.0693	7.060	182.0	1.571	1.793
#1	.1246	.6899	.0768	.0099	.5577	.0134	-.0003	48.86	517.0
#2	.1261	.6982	.0719	.0042	.5571	.0121	.0023	49.96	530.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**96.85**	**53.84**	**5.869**	**4.407**	**.0210**	**.0008**	**-.0201**	**2.911**	**.0282**
Stddev	1.57	1.03	.141	.072	.0032	.0007	.0050	.028	.0032
%RSD	1.619	1.913	2.407	1.642	15.03	86.88	25.03	.9674	11.35
#1	95.74	53.11	5.769	4.356	.0188	.0013	-.0165	2.891	.0305
#2	97.96	54.57	5.968	4.458	.0232	.0003	-.0236	2.931	.0259

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9770**	**1.804**	**.0226**	**.0635**	**2.898**	**.0011**	**.0428**
Stddev	.0170	.010	.0031	.0002	.032	.0004	.0026
%RSD	1.740	.5307	13.67	.3030	1.119	32.10	6.025
#1	.9650	1.798	.0204	.0636	2.875	.0013	.0409
#2	.9891	1.811	.0247	.0634	2.921	.0008	.0446

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91825.**	**13080.**	**1660.6**	**5402.9**
Stddev	121.	47.	2.5	20.7
%RSD	.13156	.35757	.15189	.38369
#1	91910.	13113.	1662.3	5417.6
#2	91739.	13047.	1658.8	5388.2

Zoom In Zoom Out

Sample Name: mp79771-mb1 2 Acquired: 5/30/2014 19:26:14 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0009**	**.0000**	**.0002**	**.0001**	**.0005**	**-.0007**	**.0007**	**-.0003**	**-.0003**
Stddev	.0000	.0000	.0000	.0002	.0002	.0001	.0001	.0000	.0003
%RSD	1.249	161.2	8.614	167.4	40.84	8.532	8.970	5.962	78.50
#1	.0009	.0000	.0002	.0002	.0007	-.0008	.0007	-.0003	-.0001
#2	.0009	.0000	.0002	.0000	.0004	-.0007	.0006	-.0003	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0015**	**.0002**	**.0000**	**.0006**	**.0017**	**.0013**	**.0222**	**.0459**
Stddev	.0001	.0000	.0009	.000	.0007	.0026	.0008	.0057	.0011
%RSD	62.77	2.428	387.2	216.4	107.2	159.6	61.07	25.82	2.408
#1	.0002	.0015	.0009	.0000	.0001	-.0002	.0018	.0263	.0451
#2	.0001	.0016	-.0004	-.0001	.0011	.0035	.0007	.0182	.0467

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0344**	**.0224**	**.0032**	**.0187**	**.0005**	**.0004**	**.0001**	**.0282**	**.0095**
Stddev	.0000	.0121	.0002	.0029	.0007	.0002	.0001	.0028	.0001
%RSD	.0281	53.80	7.032	15.45	159.8	39.32	50.13	9.906	1.265
#1	.0344	.0139	.0030	.0167	.0010	.0005	.0001	.0262	.0096
#2	.0344	.0309	.0034	.0208	-.0001	.0003	.0002	.0302	.0094

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0009**	**.0048**	**.0015**	**.0049**	**-.0011**	**.0003**
Stddev	.0000	.0003	.0001	.0001	.0004	.0004	.0005
%RSD	7.386	32.87	2.358	5.147	7.336	38.09	151.5
#1	.0003	.0007	.0048	.0016	.0046	-.0008	.0007
#2	.0003	.0011	.0049	.0015	.0051	-.0015	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	94662.	13221.	1695.3	5773.3
Stddev	191.	11.	2.2	11.8
%RSD	.20150	.08505	.13179	.20364
#1	94797.	13213.	1693.7	5765.0
#2	94527.	13229.	1696.8	5781.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 19:32:32 Type: QC
Method: Accutest1(v93) 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	**1.971**	**1.997**	**1.904**	**1.922**	**1.977**	**1.916**	**2.065**	**1.986**	**.2444**
Stddev	.004	.003	.005	.006	.001	.007	.004	.005	.0005
%RSD	.2177	.1294	.2683	.3055	.0263	.3696	.2043	.2650	.1885
#1	1.968	1.999	1.901	1.918	1.977	1.921	2.068	1.982	.2447
#2	1.974	1.995	1.908	1.926	1.977	1.911	2.062	1.989	.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	**2.020**	**1.995**	**1.915**	**1.978**	**2.021**	**1.907**	**1.899**	**40.04**	**39.22**
Stddev	.008	.007	.002	.003	.007	.001	.007	.03	.17
%RSD	.3978	.3609	.1036	.1295	.3547	.0467	.3787	.0860	.4343
#1	2.026	1.990	1.914	1.976	2.016	1.907	1.894	40.01	39.34
#2	2.014	2.000	1.917	1.980	2.026	1.906	1.904	40.06	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	**39.68**	**39.86**	**40.55**	**41.19**	**1.899**	**1.978**	**1.901**	**4.797**	**1.967**
Stddev	.09	.15	.04	.05	.005	.005	.003	.009	.003
%RSD	.2309	.3808	.0985	.1296	.2668	.2404	.1777	.1862	.1432
#1	39.74	39.97	40.52	41.15	1.895	1.974	1.904	4.790	1.965
#2	39.61	39.75	40.58	41.23	1.902	1.981	1.899	4.803	1.969
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: 5/30/2014 19:32:32 Type: QC
Method: Accutest1(v93) 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	**1.988**	**1.991**	**1.898**	**1.981**	**1.937**	**1.889**	**1.983**
Stddev	.003	.003	.020	.001	.003	.003	.005
%RSD	.1358	.1405	1.062	.0615	.1703	.1376	.2371
#1	1.986	1.993	1.883	1.981	1.939	1.887	1.980
#2	1.990	1.989	1.912	1.982	1.935	1.890	1.987
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	89425.	12927.	1631.4	5268.5
Stddev	126.	97.	2.6	9.3
%RSD	.14129	.74774	.15836	.17664
#1	89335.	12858.	1633.3	5275.1
#2	89514.	12995.	1629.6	5261.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 19:38:36 Type: QC
Method: Accutest1(v93) 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**	**.0004**	**.0005**	**.0003**	**.0001**	**-.0009**	**.0004**	**.0000**	**-.0004**
Stddev	.0002	.0000	.0001	.0001	.0003	.0002	.0001	.0001	.0000
%RSD	21.49	8.408	16.51	40.74	264.9	19.27	23.10	136.0	6.396
#1	.0006	.0004	.0006	.0002	.0004	-.0010	.0003	.0000	-.0004
#2	.0009	.0004	.0005	.0004	-.0001	-.0008	.0004	.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	**.0004**	**-.0008**	**.0012**	**.0001**	**.0006**	**.0011**	**.0017**	**.0145**	**-.0061**
Stddev	.0000	.0002	.0001	.0012	.0009	.0008	.0004	.0007	.0002
%RSD	4.890	21.47	12.09	868.7	145.1	76.09	23.66	5.104	3.586
#1	.0004	-.0009	.0013	.0010	.0000	.0017	.0014	.0140	-.0063
#2	.0004	-.0007	.0011	-.0007	.0013	.0005	.0020	.0151	-.0060
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 **.0125**	**.0277**	**.0253**	**.0078**	**.0017**	F **.0025**	**.0012**	**.0089**	**.0003**
Stddev	.0007	.0000	.0003	.0015	.0003	.0002	.0001	.0000	.0003
%RSD	5.361	.0834	.9916	19.34	15.79	6.387	7.800	.4062	101.0
#1	.0120	.0277	.0251	.0089	.0019	.0027	.0011	.0089	.0001
#2	.0130	.0277	.0255	.0068	.0015	.0024	.0012	.0089	.0004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 19:38:36 Type: QC
Method: Accutest1(v93) 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**	**.0009**	F **.0223**	F **.0014**	**.0001**	**.0005**	**.0005**
Stddev	.0001	.0003	.0010	.0002	.0002	.0008	.0002
%RSD	13.26	31.96	4.534	10.56	149.4	158.4	46.63
#1	.0005	.0011	.0230	.0013	.0003	.0011	.0007
#2	.0004	.0007	.0216	.0015	.0000	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92475.**	**12803.**	**1674.7**	**5683.3**
Stddev	168.	10.	3.5	8.6
%RSD	.18220	.07779	.20954	.15071
#1	92594.	12810.	1677.2	5677.3
#2	92356.	12796.	1672.2	5689.4

Zoom In Zoom Out

Sample Name: cri Acquired: 5/30/2014 19:44:55 Type: QC
Method: Accutest1(v93) 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	**.2038**	**.0023**	**.0032**	**.0495**	**.0105**	**.0089**	**.0166**	**.0102**	**.0048**
Stddev	.0005	.0000	.0002	.0002	.0001	.0001	.0000	.0001	.0000
%RSD	.2265	.7396	5.172	.3179	.5202	1.589	.2336	1.228	.0432
#1	.2041	.0023	.0034	.0494	.0105	.0088	.0166	.0101	.0048
#2	.2034	.0023	.0031	.0496	.0106	.0090	.0166	.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	**.0526**	**.0216**	**.0085**	**.0083**	**.0037**	**.0115**	**.0068**	**.2125**	**5.177**
Stddev	.0002	.0001	.0006	.0009	.0005	.0014	.0003	.0037	.015
%RSD	.4539	.5919	6.599	10.68	14.16	12.42	4.383	1.740	.2905
#1	.0528	.0215	.0089	.0089	.0041	.0125	.0070	.2099	5.167
#2	.0525	.0217	.0081	.0077	.0033	.0105	.0066	.2151	5.188
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	**.1092**	**5.542**	**5.264**	**5.161**	**.1006**	**.0221**	**.0555**	**.2062**	**.0109**
Stddev	.0028	.009	.014	.011	.0008	.0001	.0006	.0006	.0002
%RSD	2.589	.1626	.2668	.2190	.8329	.2363	1.067	.2948	1.420
#1	.1112	5.548	5.274	5.169	.1012	.0221	.0559	.2058	.0108
#2	.1072	5.535	5.255	5.153	.1000	.0222	.0550	.2066	.0110
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: 5/30/2014 19:44:55 Type: QC
Method: Accutest1(v93) 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**	**.0112**	F **.0748**	**.0128**	**.0520**	**.0200**	**.0239**
Stddev	.0000	.0002	.0004	.0001	.0007	.0003	.0003
%RSD	.3188	1.412	.5093	.8934	1.401	1.519	1.434
#1	.0109	.0111	.0745	.0129	.0515	.0202	.0241
#2	.0110	.0113	.0750	.0128	.0526	.0198	.0237
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0500				
Range			30.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93542.**	**12944.**	**1683.1**	**5683.0**
Stddev	374.	28.	1.1	3.4
%RSD	.39996	.21700	.06406	.06034
#1	93278.	12924.	1683.9	5685.4
#2	93807.	12964.	1682.4	5680.6

Zoom In Zoom Out

Sample Name: crid Acquired: 5/30/2014 19:51:10 Type: QC
Method: Accutest1(v93) 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**	**.0010**	**.0011**	**.0031**	**.0021**	F **.0010**	**.0033**	**.0038**	F **.0007**
Stddev	.0002	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	4.319	3.054	10.59	2.442	4.389	9.615	1.736	1.779	8.035
#1	.0044	.0010	.0012	.0031	.0020	.0009	.0033	.0039	.0006
#2	.0042	.0011	.0010	.0032	.0022	.0010	.0034	.0038	.0007
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	**.0023**	**.0106**	**.0031**	**.0017**	**.0032**	**.0063**	F **.0041**	**.1128**	**1.038**
Stddev	.0002	.0001	.0011	.0001	.0009	.0002	.0003	.0018	.006
%RSD	6.687	.9226	34.19	5.165	29.13	3.624	7.826	1.639	.5962
#1	.0024	.0105	.0038	.0017	.0025	.0065	.0043	.1115	1.034
#2	.0022	.0107	.0023	.0016	.0038	.0061	.0039	.1141	1.042
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	**.0001**	**.1108**	**2.172**	**1.036**	**.0104**	**.0005**	**-.0002**	**.0019**	**-.0003**
Stddev	.0010	.0143	.022	.000	.0003	.0001	.0004	.0010	.0003
%RSD	649.5	12.86	1.036	.0237	2.846	25.80	223.0	53.75	122.4
#1	.0008	.1007	2.188	1.036	.0106	.0004	.0001	.0012	-.0005
#2	-.0005	.1209	2.156	1.037	.0102	.0006	-.0005	.0026	.0000
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 5/30/2014 19:51:10 Type: QC
Method: Accutest1(v93) 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**	**.0007**	**.0096**	**.0004**	**.0009**	**-.0004**	**.0015**
Stddev	.0000	.0000	.0000	.0001	.0023	.0005	.0003
%RSD	3.843	4.963	.4751	13.73	242.0	135.8	19.75
#1	.0002	.0007	.0096	.0004	-.0007	-.0008	.0013
#2	.0002	.0007	.0097	.0004	.0025	.0000	.0017
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	**93745.**	**12920.**	**1679.1**	**5708.2**
Stddev	307.	60.	4.0	4.1
%RSD	.32797	.46578	.23938	.07245
#1	93963.	12963.	1682.0	5711.1
#2	93528.	12878.	1676.3	5705.3

Zoom In Zoom Out

Sample Name: cria Acquired: 5/30/2014 19:57:29 Type: QC
Method: Accutest1(v93) 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**	**.0000**	**-.0003**	**-.0004**	**-.0010**	**.0000**	**-.0002**	**-.0006**
Stddev	.0001	.0000	.0000	.0002	.0002	.0001	.000	.0000	.0002
%RSD	19.25	10.78	117.4	65.74	64.34	8.515	69.23	16.79	25.38
#1	.0003	.0000	.0000	-.0005	-.0005	-.0010	-.0001	-.0003	-.0005
#2	.0004	.0000	.0000	-.0002	-.0002	-.0009	.0000	-.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	**.0003**	**-.0009**	**.0194**	**.0003**	**.0222**	**.0207**	**.0205**	**.5165**	**-.0040**
Stddev	.0000	.0003	.0001	.0005	.0002	.0011	.0005	.0038	.0001
%RSD	15.34	31.00	.5874	159.2	.7098	5.241	2.662	.7444	1.742
#1	.0003	-.0007	.0194	.0007	.0221	.0199	.0201	.5192	-.0041
#2	.0003	-.0011	.0193	.0000	.0223	.0215	.0208	.5138	-.0040
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	**.5372**	**.0030**	**.0182**	**-.0126**	**.0003**	**.0003**	**.0009**	**-.0012**	**.0003**
Stddev	.0005	.0064	.0202	.0049	.0000	.0001	.0003	.0005	.0009
%RSD	.0858	214.7	111.1	39.37	10.76	20.92	36.34	38.57	313.9
#1	.5368	.0075	.0039	-.0091	.0002	.0002	.0006	-.0009	-.0004
#2	.5375	-.0016	.0325	-.0161	.0003	.0003	.0011	-.0015	.0009
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/30/2014 19:57:29 Type: QC
Method: Accutest1(v93) 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**	**.0006**	**.0075**	**.0004**	**.0001**	**-.0009**	**.0015**
Stddev	.0001	.0005	.0009	.0001	.0004	.0002	.0002
%RSD	53.25	82.14	11.38	36.97	368.6	23.09	15.40
#1	.0002	.0002	.0081	.0003	.0003	-.0008	.0017
#2	.0001	.0009	.0069	.0005	-.0002	-.0010	.0014
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	**94820.**	**13063.**	**1696.4**	**5741.5**
Stddev	92.	18.	7.6	13.5
%RSD	.09657	.13602	.44637	.23576
#1	94884.	13076.	1701.7	5751.1
#2	94755.	13051.	1691.0	5732.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 5/30/2014 20:03:49 Type: QC
Method: Accutest1(v93) 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**	**.0000**	**.0010**	**.0033**	**-.0012**	**-.0035**	**.0012**	**-.0002**	**-.0034**
Stddev	.0002	.0000	.0000	.0002	.0000	.0001	.0001	.0003	.0001
%RSD	32.06	98.01	2.916	6.796	.0560	2.818	5.894	137.9	1.569
#1	-.0006	.0000	.0010	.0034	-.0012	-.0034	.0012	-.0004	-.0033
#2	-.0004	.0000	.0011	.0031	-.0012	-.0035	.0011	.0000	-.0034
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	**-.0017**	**-.0008**	**-.0019**	**.0022**	**.0058**	**.0141**	**.0091**	**515.7**	**382.8**
Stddev	.0001	.0006	.0015	.0006	.0001	.0013	.0024	6.2	2.3
%RSD	3.747	79.76	77.82	25.36	1.062	8.988	26.00	1.201	.6103
#1	-.0017	-.0012	-.0029	.0018	.0057	.0132	.0108	511.3	381.1
#2	-.0018	-.0003	-.0009	.0026	.0058	.0150	.0074	520.1	384.4
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	**194.7**	**550.6**	**.0076**	**-.0178**	**-.0118**	**-.0013**	**-.0152**	**-.0064**	**.0080**
Stddev	.3	1.9	.0110	.0026	.0008	.0002	.0001	.0001	.0015
%RSD	.1399	.3419	144.4	14.72	6.789	16.24	.3622	1.891	19.08
#1	194.5	549.3	.0154	-.0159	-.0112	-.0012	-.0152	-.0063	.0091
#2	194.9	552.0	-.0002	-.0196	-.0124	-.0015	-.0151	-.0065	.0069
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: 5/30/2014 20:03:49 Type: QC
Method: Accutest1(v93) 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**	**.0026**	**.0261**	F **.0144**	**-.0495**	**.0013**	**.0068**
Stddev	.0000	.0004	.0004	.0004	.0006	.0003	.0005
%RSD	6.080	15.46	1.491	2.620	1.205	20.63	6.664
#1	-.0006	.0023	.0264	.0141	-.0499	.0015	.0065
#2	-.0006	.0029	.0259	.0146	-.0491	.0011	.0072
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	**82726.**	**12409.**	**1497.0**	**4718.1**
Stddev	61.	42.	4.2	17.2
%RSD	.07350	.33619	.27790	.36390
#1	82683.	12438.	1499.9	4730.2
#2	82769.	12379.	1494.0	4706.0

Zoom In Zoom Out

Sample Name: icsab Acquired: 5/30/2014 20:10:13 Type: QC
Method: Accutest1(v93) 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	**.5000**	**.5065**	**.9857**	**.4689**	**.4757**	**.5181**	**.5182**	**.9550**	**1.125**
Stddev	.0013	.0001	.0020	.0001	.0008	.0004	.0007	.0008	.000
%RSD	.2595	.0198	.2034	.0143	.1752	.0695	.1393	.0789	.0355
#1	.5009	.5064	.9843	.4690	.4751	.5179	.5177	.9545	1.125
#2	.4991	.5066	.9871	.4689	.4762	.5184	.5187	.9556	1.125
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	**.4788**	**.9447**	**1.108**	**.9205**	**.9634**	**1.033**	**.9992**	**516.3**	**381.9**
Stddev	.0011	.0013	.003	.0018	.0021	.002	.0015	8.0	3.1
%RSD	.2272	.1381	.2832	.1919	.2195	.1458	.1514	1.548	.8207
#1	.4796	.9438	1.106	.9192	.9619	1.032	.9981	510.6	379.7
#2	.4780	.9457	1.111	.9217	.9649	1.034	1.000	521.9	384.1
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	**190.6**	**541.5**	**-.0047**	**-.0060**	**-.0130**	**.4902**	**.5234**	**-.0002**	**.0079**
Stddev	.4	2.6	.0131	.0042	.0029	.0023	.0002	.0012	.0005
%RSD	.2064	.4859	276.5	69.29	22.26	.4714	.0314	512.3	6.202
#1	190.3	539.6	.0045	-.0031	-.0150	.4885	.5235	-.0010	.0075
#2	190.8	543.4	-.0140	-.0089	-.0109	.4918	.5233	.0006	.0082
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 5/30/2014 20:10:13 Type: QC
Method: Accutest1(v93) 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**	**.0056**	**.5109**	**.5136**	**.4424**	**.4975**	**.5583**
Stddev	.0001	.0001	.0044	.0010	.0043	.0015	.0019
%RSD	22.27	2.132	.8557	.1909	.9625	.2943	.3339
#1	-.0005	.0057	.5078	.5129	.4394	.4985	.5596
#2	-.0007	.0055	.5140	.5143	.4454	.4965	.5569
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	**81726.**	**12323.**	**1507.1**	**4726.5**
Stddev	113.	113.	1.5	.7
%RSD	.13847	.91514	.09958	.01440
#1	81806.	12403.	1508.1	4726.0
#2	81646.	12244.	1506.0	4727.0

Zoom In Zoom Out

Sample Name: Mnconf Acquired: 5/30/2014 20:16:29 Type: Unk
Method: Accutest1(v93) 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	**.0005**	**-.0001**	**.0003**	**-.0001**	**-.0011**	**-.0019**	**10.35**	**-.0002**	**.0004**
Stddev	.0000	.0000	.0001	.0000	.0001	.0003	.04	.0001	.0001
%RSD	6.254	36.99	43.87	73.13	12.42	14.60	.3729	27.90	37.50
#1	.0004	-.0001	.0002	.0000	-.0012	-.0021	10.32	-.0002	.0005
#2	.0005	-.0002	.0004	-.0001	-.0010	-.0017	10.38	-.0003	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0031**	**.0012**	**.0104**	**.0020**	**.0027**	**.0016**	**.0220**	**.0266**
Stddev	.000	.0000	.0003	.0018	.0003	.0004	.0003	.0022	.0018
%RSD	184.7	1.445	23.62	17.25	15.69	13.06	15.98	9.862	6.586
#1	-.0001	.0030	.0010	.0091	.0018	.0025	.0018	.0205	.0254
#2	.0000	.0031	.0014	.0116	.0022	.0030	.0014	.0235	.0278

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0082**	**-.0290**	**.0060**	**-.0064**	**.0004**	**.0007**	**.0000**	**.0381**	**-.0048**
Stddev	.0012	.0146	.0092	.0108	.0004	.0002	.0002	.0006	.0002
%RSD	14.63	50.50	153.6	168.6	102.5	23.00	458.1	1.449	4.264
#1	.0073	-.0393	-.0005	.0012	.0001	.0008	.0002	.0385	-.0046
#2	.0090	-.0186	.0125	-.0141	.0007	.0006	-.0001	.0377	-.0049

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0006**	**.0129**	**.0031**	**-.0037**	**.0001**	**.0017**
Stddev	.0000	.0003	.0005	.0001	.0006	.0001	.0001
%RSD	3.105	40.98	3.974	2.244	15.49	118.9	8.485
#1	.0002	.0004	.0132	.0031	-.0041	.0000	.0018
#2	.0002	.0008	.0125	.0032	-.0033	.0002	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94280.**	**12959.**	**1692.0**	**5732.8**
Stddev	2.	.	.8	8.3
%RSD	.00245	.00068	.04619	.14529
#1	94282.	12959.	1692.6	5738.6
#2	94279.	12959.	1691.5	5726.9

Zoom In Zoom Out

Sample Name: Vconf Acquired: 5/30/2014 20:22:53 Type: Unk
Method: Accutest1(v93) 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**	**.0028**	**.0003**	**.0002**	**-.0001**	**-.0036**	**.0001**	**-.0003**	**.0008**
Stddev	.0001	.0001	.0000	.0003	.0000	.0004	.0000	.0001	.0001
%RSD	31.35	2.345	16.09	164.8	32.84	10.18	49.01	26.54	9.884
#1	.0002	.0029	.0003	.0003	-.0001	-.0034	.0000	-.0004	.0007
#2	.0004	.0028	.0003	.0000	-.0001	-.0039	.0001	-.0003	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.800**	**.0048**	**.0003**	**.0006**	**.0022**	**.0011**	**.0047**	**.0094**	**.0101**
Stddev	.024	.0001	.0003	.0036	.0000	.0010	.0004	.0009	.0020
%RSD	.2452	1.983	123.8	599.3	.6008	91.43	8.216	9.939	20.33
#1	9.783	.0049	.0000	.0031	.0022	.0004	.0044	.0087	.0086
#2	9.817	.0047	.0005	-.0019	.0022	.0019	.0050	.0101	.0115

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0078**	**.0258**	**.0438**	**-.0152**	**.0005**	**-.0074**	**.0001**	**.0075**	**-.0005**
Stddev	.0009	.0083	.0007	.0052	.0002	.0001	.0003	.0005	.0003
%RSD	11.02	32.11	1.582	33.83	42.00	.7761	252.9	6.686	65.36
#1	.0084	.0317	.0443	-.0189	.0004	-.0073	-.0001	.0071	-.0003
#2	.0072	.0200	.0434	-.0116	.0007	-.0074	.0003	.0078	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**-.0025**	**.0010**	**.0005**	**-.0052**	**.0013**
Stddev	.0001	.0002	.0006	.0001	.0009	.0003	.0003
%RSD	31.60	113.5	23.04	7.252	186.5	5.065	23.88
#1	.0001	.0003	-.0021	.0010	.0011	-.0054	.0015
#2	.0002	.0000	-.0029	.0011	-.0002	-.0050	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94666.**	**13087.**	**1708.4**	**5768.7**
Stddev	105.	16.	4.7	10.5
%RSD	.11048	.11856	.27624	.18154
#1	94740.	13097.	1711.8	5776.1
#2	94592.	13076.	1705.1	5761.3

Zoom In Zoom Out

Sample Name: Siconf Acquired: 5/30/2014 20:29:12 Type: Unk
Method: Accutest1(v93) 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**	**.0000**	**.0001**	**.0000**	**-.0001**	**-.0011**	**-.0015**	**-.0003**	**-.0003**
Stddev	.0001	.0001	.0000	.0003	.0002	.0000	.0000	.0001	.0002
%RSD	23.30	391.3	16.07	1392.	143.9	.4123	.2295	35.44	64.00
#1	.0004	.0000	.0001	-.0002	.0000	-.0011	-.0015	-.0004	-.0002
#2	.0005	.0001	.0001	.0002	-.0002	-.0011	-.0015	-.0002	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0002**	**-.0005**	**-.0001**	**.0005**	**.0050**	**.0006**	**.0028**	**.0233**
Stddev	.0001	.0002	.0000	.0028	.0010	.0001	.0008	.0003	.0003
%RSD	25.45	120.0	4.378	2277.	200.5	2.708	140.0	11.34	1.239
#1	.0004	.0000	-.0005	-.0021	-.0002	.0051	.0012	.0025	.0235
#2	.0003	-.0003	-.0005	.0018	.0012	.0049	.0000	.0030	.0231

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0032**	**.0048**	**.0197**	**-.0081**	**.0046**	**.0007**	**-.0003**	**10.21**	**.0000**
Stddev	.0035	.0084	.0327	.0020	.0003	.0003	.0009	.04	.000
%RSD	112.5	174.5	165.9	24.90	5.723	37.61	298.6	.3670	1866.
#1	.0057	-.0011	-.0034	-.0067	.0044	.0009	-.0009	10.18	.0003
#2	.0006	.0107	.0429	-.0095	.0048	.0005	.0003	10.24	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**.0098**	**.0113**	**.0013**	**-.0017**	**.0012**
Stddev	.0000	.0003	.0006	.0011	.0018	.0007	.0003
%RSD	.7945	184.6	6.181	10.19	141.2	38.86	25.22
#1	.0002	.0003	.0094	.0121	.0000	-.0022	.0014
#2	.0002	.0000	.0102	.0105	.0026	-.0012	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93714.**	**13026.**	**1697.9**	**5743.5**
Stddev	184.	5.	5.3	5.0
%RSD	.19601	.03536	.31439	.08669
#1	93844.	13023.	1701.7	5747.0
#2	93584.	13030.	1694.1	5740.0

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 5/30/2014 20:36:41 Type: Unk
Method: Accutest1(v93) 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	**.0046**	**.0011**	**.0010**	**.0028**	**.0020**	**.0009**	**.0033**	**.0039**	**.0004**
Stddev	.0000	.0000	.0002	.0000	.0001	.0003	.0000	.0001	.0001
%RSD	.4299	1.137	15.24	1.029	2.899	29.54	.4120	3.551	27.11
#1	.0046	.0011	.0009	.0028	.0020	.0007	.0033	.0038	.0004
#2	.0046	.0011	.0011	.0027	.0019	.0011	.0033	.0040	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0104**	**.0031**	**.0014**	**.0032**	**.0067**	**.0038**	**.1122**	**1.009**
Stddev	.0000	.0001	.0007	.0002	.0001	.0020	.0003	.0014	.004
%RSD	.5025	.6846	23.56	13.56	4.122	30.45	7.260	1.213	.4064
#1	.0022	.0104	.0036	.0015	.0031	.0052	.0040	.1113	1.012
#2	.0021	.0105	.0026	.0013	.0033	.0081	.0036	.1132	1.006

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0023**	**.1395**	**2.128**	**1.024**	**.0097**	**.0002**	**.0009**	**.0014**	**.0007**
Stddev	.0004	.0019	.031	.001	.0005	.0000	.0007	.0009	.0002
%RSD	18.31	1.377	1.447	.0698	4.983	13.83	85.51	63.77	32.61
#1	.0020	.1382	2.150	1.025	.0093	.0002	.0014	.0008	.0009
#2	.0026	.1409	2.107	1.024	.0100	.0002	.0003	.0020	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0005**	**.0047**	**.0002**	**.0011**	**.0001**	**.0015**
Stddev	.0000	.0001	.0002	.0001	.0006	.0005	.0009
%RSD	12.17	14.77	4.485	26.62	56.00	534.5	65.19
#1	.0002	.0004	.0045	.0002	.0015	.0005	.0021
#2	.0002	.0005	.0048	.0002	.0007	-.0003	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94958.**	**13106.**	**1713.4**	**5782.7**
Stddev	99.	21.	4.0	17.8
%RSD	.10430	.16354	.23064	.30718
#1	94888.	13090.	1716.2	5795.3
#2	95028.	13121.	1710.7	5770.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 20:43:00 Type: QC
Method: Accutest1(v93) 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	**1.973**	**2.020**	**1.901**	**1.921**	**1.977**	**1.922**	**2.065**	**1.985**	**.2445**
Stddev	.000	.000	.000	.003	.001	.008	.007	.002	.0011
%RSD	.0118	.0104	.0223	.1502	.0337	.4394	.3442	.0866	.4685
#1	1.973	2.020	1.902	1.919	1.977	1.928	2.070	1.984	.2454
#2	1.973	2.020	1.901	1.923	1.976	1.916	2.060	1.987	.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	**2.017**	**1.999**	**1.917**	**1.973**	**2.021**	**1.907**	**1.896**	**40.40**	**39.34**
Stddev	.008	.002	.000	.006	.002	.001	.004	.04	.05
%RSD	.3841	.0859	.0077	.3146	.0787	.0396	.1914	.0984	.1158
#1	2.022	1.998	1.917	1.969	2.020	1.908	1.899	40.37	39.31
#2	2.011	2.000	1.917	1.977	2.022	1.907	1.894	40.43	39.38
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	**39.93**	**40.41**	**40.87**	**41.18**	**1.897**	**1.978**	**1.911**	**4.784**	**1.966**
Stddev	.02	.02	.05	.00	.004	.000	.006	.010	.003
%RSD	.0538	.0617	.1219	.0058	.2036	.0113	.3024	.2078	.1295
#1	39.94	40.43	40.84	41.18	1.899	1.977	1.915	4.792	1.964
#2	39.91	40.39	40.91	41.18	1.894	1.978	1.907	4.777	1.968
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: 5/30/2014 20:43:00 Type: QC
Method: Accutest1(v93) 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	**1.991**	**1.993**	**1.897**	**1.988**	**1.931**	**1.884**	**2.004**
Stddev	.000	.006	.014	.000	.002	.006	.002
%RSD	.0150	.3057	.7495	.0058	.0832	.3062	.1106
#1	1.991	1.997	1.887	1.988	1.932	1.889	2.002
#2	1.991	1.989	1.907	1.989	1.930	1.880	2.005
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	**89670.**	**12832.**	**1639.8**	**5292.7**
Stddev	225.	38.	2.2	3.4
%RSD	.25040	.29591	.13551	.06425
#1	89511.	12859.	1638.2	5295.1
#2	89829.	12805.	1641.4	5290.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 20:49:04 Type: QC
Method: Accutest1(v93) 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	**.0011**	**.0006**	F **.0007**	**.0010**	**.0006**	**-.0007**	**.0006**	**.0005**	**-.0003**
Stddev	.0002	.0000	.0001	.0000	.0001	.0000	.0000	.0001	.0002
%RSD	13.69	4.405	11.63	2.687	22.96	7.117	3.815	23.93	73.04
#1	.0010	.0006	.0007	.0010	.0007	-.0007	.0007	.0004	-.0001
#2	.0012	.0006	.0006	.0010	.0005	-.0007	.0006	.0006	-.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**-.0006**	**.0003**	**-.0001**	**.0007**	**-.0005**	**.0010**	**.0202**	**-.0006**
Stddev	.0001	.0003	.0006	.0001	.0004	.0007	.0004	.0089	.0005
%RSD	9.167	49.82	201.3	85.38	53.16	135.0	46.21	43.89	81.35
#1	.0008	-.0009	.0007	-.0002	.0010	.0000	.0006	.0265	-.0010
#2	.0007	-.0004	-.0001	.0000	.0005	-.0010	.0013	.0139	-.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0130**	**.0279**	**.0214**	**-.0018**	**.0019**	F **.0027**	**.0006**	**.0072**	**.0006**
Stddev	.0005	.0157	.0011	.0085	.0003	.0004	.0005	.0001	.0004
%RSD	3.538	56.20	4.979	463.8	14.60	13.49	75.48	.9586	59.89
#1	.0133	.0389	.0221	.0042	.0021	.0030	.0003	.0071	.0009
#2	.0126	.0168	.0206	-.0079	.0017	.0025	.0010	.0072	.0004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 20:49:04 Type: QC
Method: Accutest1(v93) 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	**.0007**	**.0009**	F **.0223**	F **.0016**	**-.0005**	**.0004**	**.0018**
Stddev	.0000	.0001	.0014	.0000	.0013	.0009	.0004
%RSD	.9295	10.36	6.144	1.827	245.5	228.3	23.88
#1	.0007	.0008	.0233	.0015	.0004	-.0002	.0021
#2	.0007	.0010	.0214	.0016	-.0015	.0010	.0015
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94153.**	**12961.**	**1697.9**	**5745.8**
Stddev	46.	99.	2.2	7.0
%RSD	.04879	.76116	.13025	.12104
#1	94120.	12891.	1699.5	5750.8
#2	94185.	13031.	1696.3	5740.9

Zoom In Zoom Out

Sample Name: mp79771-b1 Acquired: 5/30/2014 20:55:23 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.961**	**.1034**	**.0956**	**.9530**	**.4080**	**.4751**	**1.060**	**.9929**	**.1066**
Stddev	.005	.0000	.0003	.0003	.0008	.0006	.002	.0009	.0000
%RSD	.1186	.0284	.3314	.0304	.1985	.1238	.1493	.0867	.0199
#1	3.958	.1034	.0953	.9528	.4075	.4755	1.061	.9935	.1066
#2	3.964	.1034	.0958	.9532	.4086	.4747	1.058	.9923	.1066

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9795**	**1.020**	**3.823**	**4.046**	**.9857**	**3.884**	**.9200**	**52.63**	**12.12**
Stddev	.0025	.000	.005	.014	.0012	.006	.0029	.04	.01
%RSD	.2598	.0136	.1392	.3364	.1219	.1534	.3152	.0751	.0960
#1	.9813	1.020	3.819	4.036	.9866	3.880	.9179	52.60	12.11
#2	.9777	1.020	3.827	4.056	.9849	3.888	.9220	52.65	12.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.34**	**12.47**	**12.52**	**12.37**	**-.0012**	**.0007**	**-.0020**	**.0393**	**.0133**
Stddev	.02	.05	.01	.01	.0011	.0000	.0000	.0000	.0004
%RSD	.0470	.4273	.1175	.1190	95.81	3.466	1.492	.0654	2.747
#1	51.32	12.44	12.53	12.36	-.0004	.0006	-.0020	.0393	.0131
#2	51.36	12.51	12.51	12.38	-.0020	.0007	-.0019	.0393	.0136

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0041**	**.0236**	**.0062**	**.0033**	**-.0009**	**.0012**
Stddev	.0000	.0002	.0002	.0003	.0001	.0006	.0008
%RSD	6.278	5.791	.9404	4.576	3.564	61.92	67.31
#1	.0004	.0040	.0234	.0064	.0034	-.0005	.0018
#2	.0004	.0043	.0237	.0060	.0032	-.0013	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92655.**	**13230.**	**1682.5**	**5571.2**
Stddev	38.	1.	.6	4.6
%RSD	.04098	.00884	.03780	.08296
#1	92628.	13229.	1683.0	5568.0
#2	92682.	13231.	1682.1	5574.5

Zoom In Zoom Out

Sample Name: mp79771-s1 Acquired: 5/30/2014 21:01:29 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.471**	**.1108**	**.0997**	**1.037**	**.5518**	**.6440**	**7.837**	**1.122**	**.1089**
Stddev	.007	.0000	.0001	.001	.0007	.0001	.018	.002	.0001
%RSD	.1465	.0064	.0825	.0854	.1252	.0120	.2239	.1430	.0492
#1	4.467	.1108	.0998	1.037	.5523	.6441	7.850	1.120	.1090
#2	4.476	.1108	.0997	1.038	.5513	.6440	7.825	1.123	.1089

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.179**	**9.124**	**3.940**	**4.096**	**1.518**	**3.921**	**.4868**	**139.9**	**44.78**
Stddev	.002	.002	.003	.001	.002	.010	.0000	.1	.04
%RSD	.1429	.0173	.0839	.0347	.1159	.2436	.0070	.0913	.0964
#1	1.180	9.123	3.942	4.097	1.517	3.928	.4867	140.0	44.81
#2	1.178	9.125	3.938	4.095	1.519	3.914	.4868	139.8	44.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**170.5**	**34.60**	**20.94**	**13.63**	**.0384**	**-.0024**	**-.0179**	**3.565**	**.0568**
Stddev	.2	.09	.01	.02	.0008	.0001	.0003	.260	.0008
%RSD	.1001	.2510	.0697	.1147	2.009	4.754	1.643	7.287	1.409
#1	170.6	34.66	20.93	13.62	.0379	-.0023	-.0177	3.749	.0574
#2	170.3	34.54	20.95	13.64	.0390	-.0025	-.0181	3.382	.0563

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1438**	**3.390**	**.0531**	**.0496**	**3.234**	**-.0101**	**.1709**
Stddev	.0002	.003	.0001	.0002	.008	.0002	.0013
%RSD	.1261	.0890	.1417	.4357	.2399	2.444	.7397
#1	.1437	3.392	.0530	.0495	3.240	-.0103	.1701
#2	.1439	3.387	.0531	.0498	3.229	-.0100	.1718

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93668.**	**13637.**	**1703.7**	**5376.7**
Stddev	34.	77.	1.2	1.4
%RSD	.03604	.56654	.07101	.02522
#1	93644.	13582.	1702.8	5375.7
#2	93692.	13692.	1704.5	5377.7

Zoom In Zoom Out

Sample Name: mp79771-s2 Acquired: 5/30/2014 21:07:39 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.266**	**.1036**	**.0939**	**.9714**	**.5502**	**.7193**	**9.824**	**1.049**	**.1026**
Stddev	.007	.0002	.0001	.0014	.0036	.0008	.001	.001	.0004
%RSD	.1589	.1663	.1481	.1403	.6520	.1115	.0047	.1326	.3942
#1	4.270	.1038	.0938	.9705	.5527	.7187	9.824	1.049	.1023
#2	4.261	.1035	.0940	.9724	.5476	.7199	9.824	1.048	.1029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.094**	**11.15**	**3.704**	**3.832**	**1.448**	**3.678**	**.4534**	**130.3**	**43.37**
Stddev	.002	.01	.011	.006	.010	.007	.0032	.3	.02
%RSD	.1540	.0480	.2952	.1551	.6824	.2035	.7020	.2192	.0567
#1	1.095	11.15	3.696	3.837	1.455	3.673	.4512	130.5	43.36
#2	1.093	11.15	3.712	3.828	1.441	3.683	.4557	130.1	43.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**167.6**	**32.02**	**18.80**	**12.74**	**.0351**	**-.0025**	**-.0167**	**3.494**	**.0383**
Stddev	.0	.04	.06	.01	.0008	.0001	.0004	.022	.0003
%RSD	.0155	.1250	.3021	.1138	2.336	2.495	2.249	.6307	.8515
#1	167.6	31.99	18.84	12.75	.0356	-.0024	-.0170	3.510	.0386
#2	167.5	32.05	18.76	12.73	.0345	-.0025	-.0165	3.478	.0381

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1742**	**3.148**	**.0562**	**.0450**	**3.379**	**-.0089**	**.1641**
Stddev	.0002	.003	.0009	.0001	.003	.0007	.0001
%RSD	.1434	.0986	1.603	.2451	.0729	7.689	.0435
#1	.1744	3.150	.0568	.0450	3.381	-.0094	.1640
#2	.1740	3.146	.0555	.0451	3.378	-.0084	.1641

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94142.**	**13673.**	**1710.2**	**5433.3**
Stddev	228.	41.	.8	11.7
%RSD	.24268	.29724	.04943	.21595
#1	93981.	13702.	1710.8	5425.0
#2	94304.	13644.	1709.6	5441.6

Zoom In Zoom Out

Sample Name: jb67728-9a Acquired: 5/30/2014 21:13:46 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3919**	**.0043**	**.0035**	**.0413**	**.6874**	**.1310**	**10.35**	**.0899**	**.0003**
Stddev	.0002	.0001	.0000	.0004	.0014	.0000	.01	.0001	.0002
%RSD	.0439	1.582	.6751	.9070	.2102	.0275	.0653	.0875	61.10
#1	.3918	.0043	.0036	.0415	.6884	.1309	10.35	.0899	.0004
#2	.3920	.0042	.0035	.0410	.6864	.1310	10.35	.0900	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1722**	**7.156**	**.0590**	**.0092**	**.5008**	**.0039**	**.0056**	**64.69**	**39.00**
Stddev	.0001	.007	.0005	.0005	.0012	.0006	.0000	.08	.02
%RSD	.0600	.0999	.7687	5.058	.2472	16.12	.1657	.1208	.0534
#1	.1721	7.162	.0593	.0096	.5000	.0044	.0056	64.64	38.98
#2	.1723	7.151	.0587	.0089	.5017	.0035	.0056	64.75	39.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**128.2**	**18.43**	**5.219**	**.8113**	**.0267**	**-.0029**	**-.0120**	**1.706**	**.0347**
Stddev	.1	.03	.018	.0068	.0003	.0002	.0003	.010	.0006
%RSD	.0457	.1823	.3374	.8393	.9573	6.232	2.474	.5934	1.750
#1	128.1	18.40	5.231	.8161	.0265	-.0028	-.0118	1.713	.0343
#2	128.2	18.45	5.206	.8065	.0269	-.0031	-.0122	1.699	.0351

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1367**	**2.706**	**.0336**	**.0234**	**3.562**	**-.0040**	**.1391**
Stddev	.0004	.000	.0009	.0001	.017	.0002	.0004
%RSD	.3087	.0139	2.606	.3003	.4871	5.959	.2959
#1	.1370	2.706	.0342	.0234	3.550	-.0042	.1389
#2	.1364	2.707	.0329	.0235	3.574	-.0038	.1394

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95523.**	**13744.**	**1734.2**	**5519.4**
Stddev	5.	44.	2.1	4.9
%RSD	.00530	.32349	.12191	.08843
#1	95527.	13775.	1732.7	5522.9
#2	95520.	13712.	1735.7	5516.0

Zoom In Zoom Out

Sample Name: mp79771-sd1 Acquired: 5/30/2014 21:19:59 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3801**	**.0042**	**.0045**	**.0425**	**.6872**	**.1227**	**11.10**	**.0935**	**-.0019**
Stddev	.0044	.0000	.0007	.0008	.0025	.0007	.08	.0038	.0013
%RSD	1.155	1.141	16.31	1.911	.3568	.5810	.6812	4.024	71.65
#1	.3770	.0042	.0050	.0419	.6855	.1222	11.05	.0909	-.0009
#2	.3832	.0041	.0040	.0431	.6890	.1232	11.16	.0962	-.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1753**	**7.900**	**.0582**	**.0124**	**.5265**	**-.0023**	**.0095**	**61.99**	**37.01**
Stddev	.0012	.151	.0005	.0051	.0029	.0042	.0020	.61	.51
%RSD	.6686	1.913	.7831	41.34	.5559	178.8	21.01	.9771	1.379
#1	.1745	7.793	.0579	.0087	.5244	.0006	.0109	61.56	36.65
#2	.1761	8.006	.0585	.0160	.5285	-.0053	.0081	62.42	37.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**125.3**	**17.73**	**4.989**	**.7530**	**.0249**	**-.0015**	**-.0088**	**1.770**	**.0401**
Stddev	1.5	.12	.147	.0061	.0046	.0001	.0000	.020	.0040
%RSD	1.210	.6599	2.954	.8058	18.49	3.923	.0943	1.138	9.958
#1	124.2	17.64	5.093	.7487	.0217	-.0016	-.0088	1.756	.0373
#2	126.3	17.81	4.884	.7573	.0282	-.0015	-.0089	1.784	.0429

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1309**	**2.707**	**.0527**	**.0232**	**3.716**	**-.0074**	**.1384**
Stddev	.0008	.020	.0031	.0007	.079	.0010	.0044
%RSD	.6084	.7431	5.933	2.840	2.116	13.01	3.181
#1	.1304	2.693	.0505	.0228	3.660	-.0080	.1353
#2	.1315	2.721	.0549	.0237	3.772	-.0067	.1415

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94348.**	**13308.**	**1715.8**	**5688.2**
Stddev	45.	16.	3.1	1.5
%RSD	.04821	.12138	.18032	.02723
#1	94316.	13297.	1718.0	5689.3
#2	94380.	13320.	1713.6	5687.1

Zoom In Zoom Out

Sample Name: jb67728-1a Acquired: 5/30/2014 21:26:11 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4679**	**.0049**	**.0024**	**.0519**	**2.912**	**.2482**	**1.515**	**.1714**	**.0018**
Stddev	.0010	.0000	.0000	.0004	.002	.0006	.001	.0005	.0002
%RSD	.2112	.0697	.3300	.7466	.0833	.2264	.0699	.3192	9.959
#1	.4672	.0049	.0024	.0516	2.910	.2486	1.514	.1710	.0017
#2	.4686	.0049	.0024	.0522	2.914	.2478	1.516	.1718	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2152**	**1.009**	**.0400**	**.0046**	**1.456**	**.0067**	**.0031**	**66.12**	**51.54**
Stddev	.0008	.002	.0006	.0011	.001	.0004	.0007	.15	.28
%RSD	.3804	.1841	1.492	22.60	.0806	5.274	21.93	.2213	.5434
#1	.2146	1.010	.0404	.0054	1.456	.0064	.0026	66.23	51.74
#2	.2158	1.007	.0395	.0039	1.455	.0069	.0036	66.02	51.35

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.8**	**25.69**	**9.009**	**1.480**	**.0263**	**-.0009**	**-.0139**	**2.104**	**.0596**
Stddev	.4	.13	.003	.004	.0004	.0002	.0001	.008	.0002
%RSD	.3700	.5055	.0332	.2820	1.566	16.90	.3802	.3721	.2666
#1	114.1	25.78	9.007	1.483	.0266	-.0010	-.0140	2.099	.0595
#2	113.5	25.60	9.011	1.477	.0260	-.0008	-.0139	2.110	.0598

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1921**	**3.436**	**.0141**	**.0357**	**1.084**	**-.0012**	**.1670**
Stddev	.0004	.000	.0010	.0001	.001	.0007	.0009
%RSD	.1829	.0024	6.913	.3734	.0690	58.74	.5652
#1	.1923	3.436	.0134	.0358	1.084	-.0007	.1677
#2	.1918	3.436	.0148	.0356	1.083	-.0016	.1664

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97367.**	**13963.**	**1739.3**	**5481.5**
Stddev	29.	121.	2.1	2.6
%RSD	.02931	.86973	.11985	.04738
#1	97347.	13877.	1740.8	5483.3
#2	97388.	14049.	1737.9	5479.7

Zoom In Zoom Out

Sample Name: jb67728-3a Acquired: 5/30/2014 21:32:20 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4172**	**.0052**	**.0007**	**.0471**	**.1748**	**.1030**	**1.480**	**.0932**	**.0003**
Stddev	.0001	.0000	.0001	.0011	.0001	.0005	.001	.0008	.0002
%RSD	.0249	.8199	11.15	2.248	.0364	.4881	.0933	.9030	60.83
#1	.4173	.0052	.0007	.0463	.1748	.1034	1.479	.0926	.0002
#2	.4171	.0052	.0008	.0478	.1749	.1027	1.481	.0938	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2275**	**.6185**	**.0335**	**.0041**	**.4477**	**.0034**	**.0021**	**104.3**	**17.71**
Stddev	.0000	.0033	.0001	.0024	.0020	.0014	.0004	.0	.07
%RSD	.0213	.5334	.2644	58.82	.4518	42.14	17.25	.0336	.4003
#1	.2276	.6161	.0334	.0024	.4463	.0044	.0019	104.3	17.76
#2	.2275	.6208	.0335	.0057	.4492	.0024	.0024	104.4	17.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**133.3**	**21.09**	**7.926**	**.6830**	**.0354**	**-.0031**	**-.0158**	**2.256**	**.0230**
Stddev	.3	.13	.027	.0038	.0001	.0002	.0001	.032	.0019
%RSD	.2011	.6312	.3371	.5526	.2221	5.426	.6468	1.428	8.450
#1	133.5	21.18	7.945	.6857	.0355	-.0030	-.0157	2.278	.0243
#2	133.1	20.99	7.907	.6804	.0353	-.0032	-.0159	2.233	.0216

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1122**	**2.856**	**.0126**	**.0466**	**1.167**	**-.0079**	**.1696**
Stddev	.0001	.002	.0013	.0002	.003	.0003	.0014
%RSD	.0803	.0740	10.06	.4763	.2681	4.316	.8332
#1	.1121	2.855	.0135	.0467	1.165	-.0077	.1686
#2	.1122	2.858	.0117	.0464	1.169	-.0081	.1706

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98133.**	**14209.**	**1772.8**	**5563.3**
Stddev	32.	99.	11.6	32.0
%RSD	.03308	.69990	.65623	.57516
#1	98156.	14139.	1781.1	5585.9
#2	98110.	14280.	1764.6	5540.7

Zoom In Zoom Out

Sample Name: jb67728-4a Acquired: 5/30/2014 21:38:29 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6382**	**.0059**	**.0025**	**.0548**	**.2215**	**.2331**	**2.856**	**.1146**	**.0002**
Stddev	.0010	.0000	.0002	.0002	.0002	.0006	.000	.0001	.0006
%RSD	.1504	.6708	6.838	.3081	.0818	.2510	.0152	.0772	338.3
#1	.6375	.0059	.0024	.0546	.2214	.2335	2.855	.1147	-.0002
#2	.6389	.0059	.0026	.0549	.2216	.2327	2.856	.1145	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2516**	**1.460**	**.0534**	**.0034**	**.9647**	**.0044**	**.0035**	**93.82**	**40.80**
Stddev	.0003	.002	.0005	.0008	.0043	.0001	.0013	.04	.01
%RSD	.1277	.1401	.9858	23.71	.4502	1.908	36.56	.0473	.0349
#1	.2514	1.459	.0531	.0028	.9678	.0045	.0044	93.85	40.79
#2	.2518	1.462	.0538	.0039	.9616	.0044	.0026	93.79	40.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**177.7**	**20.93**	**9.805**	**1.031**	**.0341**	**-.0025**	**-.0189**	**1.933**	**.0393**
Stddev	.3	.01	.004	.007	.0003	.0000	.0006	.005	.0006
%RSD	.1916	.0304	.0416	.6449	.9480	.1824	3.216	.2553	1.573
#1	177.5	20.93	9.802	1.027	.0339	-.0025	-.0193	1.936	.0397
#2	178.0	20.92	9.808	1.036	.0343	-.0025	-.0184	1.929	.0388

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2446**	**3.561**	**.0180**	**.0731**	**10.22**	**-.0075**	**.1163**
Stddev	.0007	.002	.0011	.0003	.03	.0007	.0002
%RSD	.2747	.0524	6.085	.4478	.2991	9.940	.1930
#1	.2441	3.559	.0172	.0734	10.20	-.0080	.1162
#2	.2451	3.562	.0188	.0729	10.24	-.0069	.1165

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96773.**	**14095.**	**1748.1**	**5510.6**
Stddev	33.	14.	4.3	5.1
%RSD	.03382	.10001	.24426	.09237
#1	96796.	14085.	1751.1	5514.2
#2	96749.	14105.	1745.1	5507.0

Zoom In Zoom Out

Sample Name: jb67728-5a Acquired: 5/30/2014 21:44:38 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4499**	**.0055**	**.0006**	**.0535**	**.1660**	**.0921**	**2.312**	**.1109**	**.0001**
Stddev	.0009	.0000	.0002	.0002	.0001	.0003	.004	.0007	.0002
%RSD	.2099	.2171	26.81	.4212	.0807	.3535	.1519	.5906	200.1
#1	.4493	.0055	.0007	.0537	.1659	.0919	2.310	.1105	.0002
#2	.4506	.0055	.0005	.0534	.1661	.0923	2.314	.1114	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2450**	**.5361**	**.0330**	**.0054**	**.6119**	**.0063**	**.0026**	**108.5**	**14.41**
Stddev	.0004	.0008	.0004	.0005	.0032	.0009	.0005	.0	.01
%RSD	.1507	.1563	1.231	8.385	.5267	14.22	20.19	.0328	.0966
#1	.2448	.5356	.0333	.0051	.6096	.0056	.0022	108.5	14.40
#2	.2453	.5367	.0327	.0057	.6142	.0069	.0030	108.6	14.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**139.0**	**29.88**	**6.910**	**.8596**	**.0323**	**-.0014**	**-.0163**	**1.766**	**.0263**
Stddev	.2	.00	.029	.0029	.0010	.0007	.0016	.011	.0002
%RSD	.1113	.0028	.4251	.3329	3.166	47.55	9.722	.5963	.8124
#1	138.9	29.88	6.889	.8616	.0316	-.0019	-.0152	1.758	.0264
#2	139.1	29.88	6.930	.8575	.0331	-.0009	-.0175	1.773	.0261

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1017**	**4.529**	**.0139**	**.0380**	**2.246**	**-.0107**	**.2908**
Stddev	.0000	.004	.0004	.0002	.018	.0012	.0001
%RSD	.0349	.0991	2.807	.5224	.7901	11.00	.0210
#1	.1018	4.526	.0136	.0382	2.234	-.0116	.2909
#2	.1017	4.532	.0142	.0379	2.259	-.0099	.2908

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95437.**	**13745.**	**1725.7**	**5468.2**
Stddev	120.	1.	5.2	7.3
%RSD	.12574	.00645	.29964	.13334
#1	95522.	13746.	1729.4	5473.4
#2	95352.	13745.	1722.1	5463.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 21:50:48 Type: QC
Method: Accutest1(v93) 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	**1.946**	**1.986**	**1.897**	**1.914**	**1.965**	**1.894**	**2.034**	**1.971**	**.2419**
Stddev	.007	.006	.007	.005	.005	.004	.002	.005	.0001
%RSD	.3559	.3009	.3776	.2414	.2816	.2258	.1157	.2605	.0343
#1	1.951	1.990	1.892	1.910	1.961	1.897	2.032	1.967	.2420
#2	1.941	1.981	1.902	1.917	1.969	1.891	2.035	1.975	.2419
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	**1.976**	**1.979**	**1.916**	**1.988**	**1.998**	**1.906**	**1.891**	**39.43**	**39.18**
Stddev	.001	.005	.003	.007	.003	.007	.002	.09	.00
%RSD	.0381	.2410	.1697	.3572	.1269	.3721	.1066	.2382	.0119
#1	1.976	1.975	1.914	1.983	1.997	1.901	1.890	39.50	39.18
#2	1.977	1.982	1.919	1.993	2.000	1.911	1.893	39.37	39.18
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	**39.50**	**39.81**	**40.26**	**40.14**	**1.899**	**1.962**	**1.888**	**4.772**	**1.964**
Stddev	.10	.07	.09	.15	.006	.005	.003	.011	.008
%RSD	.2405	.1809	.2263	.3824	.3156	.2634	.1712	.2217	.3891
#1	39.57	39.86	40.33	40.25	1.895	1.958	1.890	4.764	1.959
#2	39.44	39.76	40.20	40.03	1.904	1.965	1.886	4.779	1.970
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: 5/30/2014 21:50:48 Type: QC
Method: Accutest1(v93) 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	**1.978**	**1.969**	**1.885**	**1.967**	**1.933**	**1.881**	**1.984**
Stddev	.002	.001	.015	.004	.007	.005	.006
%RSD	.0741	.0271	.7698	.1980	.3435	.2857	.2834
#1	1.979	1.969	1.874	1.965	1.928	1.877	1.988
#2	1.977	1.968	1.895	1.970	1.938	1.884	1.980
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	**91042.**	**13054.**	**1644.4**	**5326.3**
Stddev	60.	12.	2.9	6.1
%RSD	.06552	.08879	.17815	.11436
#1	91084.	13046.	1646.5	5330.6
#2	90999.	13063.	1642.3	5322.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 21:56:51 Type: QC
Method: Accutest1(v93) 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	**.0011**	**.0008**	F **.0011**	**.0011**	**.0011**	**-.0001**	**.0012**	F **.0011**	**-.0003**
Stddev	.0000	.0001	.0002	.0001	.0001	.0003	.0000	.0002	.0001
%RSD	.2713	13.15	16.29	11.75	10.34	386.1	.8633	23.12	35.11
#1	.0011	.0007	.0010	.0012	.0012	-.0003	.0012	.0009	-.0002
#2	.0011	.0009	.0012	.0010	.0010	.0002	.0012	.0012	-.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0000**	**.0015**	**.0017**	**.0011**	**.0029**	**.0012**	**.0213**	**.0057**
Stddev	.0001	.0000	.0005	.0010	.0001	.0005	.0003	.0003	.0015
%RSD	7.238	48.93	34.85	62.23	6.858	17.59	21.43	1.230	26.02
#1	.0015	.0000	.0012	.0024	.0012	.0026	.0014	.0215	.0068
#2	.0013	.0001	.0019	.0009	.0011	.0033	.0010	.0211	.0047
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 **.0192**	**.0196**	**.0401**	**.0089**	**.0025**	F **.0028**	**.0013**	**.0076**	**.0006**
Stddev	.0002	.0146	.0018	.0020	.0000	.0004	.0002	.0005	.0003
%RSD	.7908	74.60	4.533	22.66	1.622	15.49	13.70	6.256	50.42
#1	.0191	.0093	.0388	.0074	.0026	.0031	.0012	.0079	.0004
#2	.0193	.0300	.0413	.0103	.0025	.0025	.0014	.0073	.0008
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 21:56:51 Type: QC
Method: Accutest1(v93) 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	**.0009**	F **.0014**	F **.0212**	F **.0019**	**.0013**	**.0014**	F **.0031**
Stddev	.0001	.0001	.0015	.0001	.0012	.0000	.0003
%RSD	12.19	7.684	6.879	3.821	94.12	2.326	10.59
#1	.0008	.0015	.0222	.0019	.0022	.0014	.0033
#2	.0010	.0013	.0202	.0018	.0004	.0014	.0029
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit		.0010	.0123	.0010			.0020
Low Limit		-.0010	-.0123	-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95221.**	**13289.**	**1711.7**	**5799.2**
Stddev	32.	62.	5.7	13.9
%RSD	.03327	.46848	.33037	.23935
#1	95243.	13333.	1715.7	5809.0
#2	95199.	13245.	1707.7	5789.4

Zoom In Zoom Out

Sample Name: jb67728-6a Acquired: 5/30/2014 22:03:11 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.835**	**.0059**	**.0048**	**.0566**	**.2288**	**.3521**	**2.685**	**.1219**	**.0003**
Stddev	.005	.0001	.0002	.0004	.0004	.0005	.000	.0008	.0004
%RSD	.2508	1.714	4.044	.6714	.1631	.1418	.0125	.6152	140.7
#1	1.838	.0060	.0047	.0568	.2285	.3518	2.685	.1225	.0005
#2	1.832	.0059	.0049	.0563	.2290	.3525	2.685	.1214	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2536**	**2.173**	**.0629**	**.0017**	**1.564**	**.0086**	**.0032**	**98.30**	**65.51**
Stddev	.0011	.004	.0005	.0012	.003	.0003	.0006	.25	.08
%RSD	.4157	.1752	.7313	75.19	.2200	3.238	19.06	.2535	.1227
#1	.2543	2.171	.0632	.0025	1.562	.0088	.0037	98.48	65.57
#2	.2528	2.176	.0626	.0008	1.567	.0084	.0028	98.13	65.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**185.0**	**22.42**	**10.08**	**1.393**	**.0332**	**-.0014**	**-.0191**	**1.851**	**.0494**
Stddev	.0	.06	.01	.009	.0004	.0002	.0011	.012	.0003
%RSD	.0245	.2821	.1159	.6651	1.326	15.46	5.870	.6342	.6794
#1	185.1	22.46	10.07	1.399	.0329	-.0013	-.0199	1.859	.0492
#2	185.0	22.37	10.08	1.386	.0335	-.0016	-.0183	1.843	.0496

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3766**	**3.652**	**.0282**	**.0743**	**11.89**	**-.0061**	**.1272**
Stddev	.0004	.004	.0005	.0000	.00	.0005	.0005
%RSD	.0952	.1142	1.599	.0569	.0276	8.972	.4174
#1	.3769	3.649	.0279	.0743	11.89	-.0065	.1276
#2	.3764	3.655	.0285	.0742	11.89	-.0057	.1269

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96333.**	**14022.**	**1741.0**	**5468.6**
Stddev	20.	8.	.3	1.7
%RSD	.02092	.05442	.01761	.03030
#1	96318.	14027.	1741.2	5469.8
#2	96347.	14016.	1740.8	5467.5

Zoom In Zoom Out

Sample Name: jb67728-7a Acquired: 5/30/2014 22:09:19 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.615**	**.0059**	**.0033**	**.0580**	**.1904**	**.9710**	**2.013**	**.1376**	**.0047**
Stddev	.006	.0000	.0000	.0002	.0006	.0011	.001	.0004	.0003
%RSD	.1692	.0855	.2328	.3272	.3091	.1128	.0370	.2961	5.357
#1	3.620	.0058	.0033	.0581	.1900	.9702	2.013	.1373	.0046
#2	3.611	.0059	.0033	.0579	.1909	.9717	2.014	.1379	.0049

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2187**	**2.770**	**.1166**	**.0027**	**6.243**	**.0214**	**.0079**	**66.92**	**90.67**
Stddev	.0003	.005	.0000	.0014	.001	.0019	.0003	.32	.05
%RSD	.1212	.1980	.0134	51.05	.0152	8.780	4.240	.4806	.0566
#1	.2185	2.766	.1167	.0017	6.244	.0201	.0082	67.14	90.63
#2	.2189	2.774	.1166	.0036	6.242	.0227	.0077	66.69	90.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**128.5**	**5.685**	**6.902**	**3.040**	**.0305**	**.0278**	**-.0127**	**2.443**	**1.167**
Stddev	.0	.025	.038	.027	.0003	.0001	.0005	.003	.001
%RSD	.0209	.4376	.5523	.8816	1.126	.3817	4.033	.1392	.0525
#1	128.5	5.668	6.929	3.059	.0302	.0277	-.0124	2.441	1.167
#2	128.5	5.703	6.876	3.021	.0307	.0278	-.0131	2.446	1.168

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5023**	**.9902**	**.0250**	**.0315**	**12.24**	**-.0002**	**.0999**
Stddev	.0002	.0032	.0004	.0003	.02	.0006	.0011
%RSD	.0320	.3265	1.479	.9454	.2002	278.2	1.062
#1	.5024	.9880	.0247	.0317	12.22	.0002	.0991
#2	.5022	.9925	.0253	.0313	12.26	-.0007	.1006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92187.**	**13387.**	**1665.2**	**5407.1**
Stddev	134.	32.	5.1	3.5
%RSD	.14562	.24196	.30843	.06492
#1	92282.	13364.	1668.8	5409.6
#2	92092.	13410.	1661.6	5404.6

Zoom In Zoom Out

Sample Name: jb67728-8a Acquired: 5/30/2014 22:15:27 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.061**	**.0050**	**.0029**	**.0456**	**.2061**	**.2677**	**3.009**	**.1194**	**.0027**
Stddev	.001	.0000	.0001	.0002	.0004	.0001	.004	.0007	.0001
%RSD	.0562	.1339	4.292	.3953	.2129	.0467	.1468	.6026	3.566
#1	1.061	.0050	.0028	.0458	.2064	.2676	3.012	.1199	.0028
#2	1.061	.0050	.0030	.0455	.2057	.2678	3.006	.1189	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2194**	**3.539**	**.1064**	**-.0003**	**2.662**	**.0202**	**.0064**	**90.26**	**168.8**
Stddev	.0000	.001	.0002	.0043	.003	.0016	.0010	.14	.1
%RSD	.0096	.0314	.2098	1521.	.1185	7.912	15.01	.1520	.0352
#1	.2194	3.540	.1066	.0028	2.664	.0213	.0071	90.16	168.8
#2	.2194	3.538	.1063	-.0034	2.660	.0191	.0058	90.35	168.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**158.6**	**21.71**	**8.346**	**1.912**	**.0411**	**.0059**	**-.0166**	**2.325**	**.9417**
Stddev	.0	.05	.008	.006	.0001	.0001	.0008	.025	.0016
%RSD	.0130	.2482	.0913	.3080	.2604	2.099	5.011	1.080	.1680
#1	158.6	21.74	8.340	1.908	.0412	.0060	-.0172	2.343	.9429
#2	158.6	21.67	8.351	1.917	.0411	.0058	-.0160	2.307	.9406

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3132**	**3.237**	**.0285**	**.0279**	**13.17**	**-.0028**	**.2358**
Stddev	.0005	.003	.0019	.0001	.01	.0000	.0000
%RSD	.1499	.0950	6.730	.3560	.1063	.6914	.0053
#1	.3135	3.239	.0299	.0279	13.18	-.0028	.2358
#2	.3129	3.235	.0272	.0280	13.16	-.0028	.2358

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92422.**	**13710.**	**1671.7**	**5267.0**
Stddev	77.	17.	1.5	.8
%RSD	.08367	.12041	.08792	.01526
#1	92368.	13699.	1672.8	5267.6
#2	92477.	13722.	1670.7	5266.5

Zoom In Zoom Out

Sample Name: jb67728-10a Acquired: 5/30/2014 22:21:34 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2918**	**.0033**	**.0012**	**.0344**	**.1867**	**.0786**	**4.835**	**.0724**	**.0010**
Stddev	.0001	.0001	.0000	.0002	.0002	.0001	.013	.0001	.0003
%RSD	.0334	3.963	1.495	.7026	.0812	.1649	.2769	.1980	30.17
#1	.2918	.0032	.0012	.0345	.1868	.0786	4.826	.0725	.0012
#2	.2917	.0034	.0012	.0342	.1866	.0787	4.845	.0723	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1637**	**1.308**	**.0344**	**.0044**	**.4177**	**.0047**	**.0029**	**48.33**	**28.07**
Stddev	.0005	.006	.0006	.0006	.0010	.0008	.0000	.02	.04
%RSD	.2833	.4308	1.862	12.55	.2474	18.04	1.246	.0335	.1601
#1	.1634	1.312	.0339	.0048	.4185	.0041	.0028	48.32	28.04
#2	.1640	1.304	.0348	.0040	.4170	.0053	.0029	48.34	28.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**109.8**	**17.42**	**7.328**	**.9432**	**.0211**	**-.0027**	**-.0109**	**1.947**	**.0827**
Stddev	.2	.01	.060	.0075	.0005	.0000	.0002	.006	.0010
%RSD	.1420	.0657	.8251	.7942	2.580	.7857	1.420	.3200	1.171
#1	109.7	17.43	7.285	.9485	.0207	-.0027	-.0108	1.951	.0834
#2	109.9	17.42	7.371	.9379	.0215	-.0027	-.0110	1.942	.0820

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1471**	**2.975**	**.0145**	**.0323**	**2.297**	**-.0061**	**.0974**
Stddev	.0002	.007	.0001	.0003	.019	.0007	.0002
%RSD	.1134	.2480	.7802	.8475	.8348	11.58	.2133
#1	.1472	2.970	.0146	.0321	2.310	-.0056	.0972
#2	.1470	2.980	.0145	.0325	2.283	-.0066	.0975

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94748.**	**13757.**	**1716.5**	**5568.3**
Stddev	195.	54.	1.9	8.0
%RSD	.20630	.39094	.10952	.14309
#1	94886.	13795.	1715.1	5562.7
#2	94609.	13719.	1717.8	5573.9

Zoom In Zoom Out

Sample Name: jb67728-13a Acquired: 5/30/2014 22:27:50 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9761**	**.0051**	**.0049**	**.0645**	**.1025**	**.5574**	**1.089**	**.1767**	**.0024**
Stddev	.0032	.0000	.0003	.0001	.0001	.0008	.002	.0007	.0002
%RSD	.3288	.2070	5.508	.1498	.1019	.1433	.1432	.4174	7.464
#1	.9738	.0051	.0051	.0645	.1024	.5579	1.088	.1762	.0026
#2	.9783	.0051	.0047	.0646	.1026	.5568	1.090	.1773	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2437**	**1.002**	**.1548**	**.0031**	**1.255**	**.0586**	**.0070**	**55.26**	**16.09**
Stddev	.0001	.002	.0017	.0009	.000	.0002	.0003	.03	.01
%RSD	.0267	.2421	1.130	30.22	.0123	.3909	3.669	.0616	.0769
#1	.2437	1.004	.1536	.0025	1.255	.0584	.0069	55.29	16.08
#2	.2438	1.001	.1561	.0038	1.255	.0587	.0072	55.24	16.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**206.4**	**4.256**	**7.393**	**2.320**	**.0131**	**.0376**	**-.0147**	**2.586**	**.0468**
Stddev	.0	.013	.035	.003	.0001	.0001	.0014	.031	.0006
%RSD	.0168	.3015	.4706	.1145	.8323	.1481	9.454	1.205	1.348
#1	206.4	4.247	7.368	2.318	.0132	.0376	-.0137	2.608	.0472
#2	206.5	4.265	7.417	2.322	.0130	.0375	-.0157	2.564	.0463

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3195**	**.9317**	**.0195**	**.0344**	**2.956**	**-.0015**	**.1383**
Stddev	.0015	.0060	.0007	.0000	.004	.0005	.0007
%RSD	.4572	.6441	3.390	.0731	.1504	33.73	.5386
#1	.3185	.9274	.0200	.0344	2.959	-.0012	.1378
#2	.3205	.9359	.0191	.0344	2.953	-.0019	.1389

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93892.**	**13699.**	**1693.7**	**5617.1**
Stddev	187.	50.	3.5	4.4
%RSD	.19912	.36647	.20418	.07920
#1	94024.	13663.	1696.2	5614.0
#2	93760.	13734.	1691.3	5620.2

Zoom In Zoom Out

Sample Name: jb67728-14a Acquired: 5/30/2014 22:33:58 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.128**	**.0060**	**.0060**	**.0860**	**.1907**	**1.676**	**2.302**	**.1522**	**.0051**
Stddev	.000	.0000	.0002	.0003	.0005	.005	.006	.0000	.0000
%RSD	.0168	.1399	4.050	.3104	.2426	.2893	.2418	.0003	.5579
#1	1.128	.0060	.0062	.0858	.1910	1.672	2.306	.1522	.0051
#2	1.128	.0060	.0058	.0862	.1903	1.679	2.298	.1522	.0051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2706**	**2.490**	**.0634**	**.0015**	**1.259**	**.0138**	**.0044**	**107.7**	**17.74**
Stddev	.0007	.000	.0002	.0005	.005	.0009	.0009	.0	.02
%RSD	.2447	.0086	.2679	34.29	.4169	6.604	20.34	.0361	.0994
#1	.2701	2.490	.0633	.0019	1.256	.0132	.0038	107.7	17.73
#2	.2711	2.490	.0636	.0011	1.263	.0145	.0050	107.6	17.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**158.2**	**24.38**	**9.882**	**1.194**	**.0344**	**.0095**	**-.0163**	**1.881**	**.0307**
Stddev	.1	.04	.003	.008	.0005	.0004	.0006	.001	.0020
%RSD	.0946	.1737	.0302	.6763	1.338	4.335	3.561	.0246	6.413
#1	158.1	24.35	9.880	1.188	.0341	.0092	-.0159	1.881	.0321
#2	158.3	24.41	9.885	1.200	.0348	.0097	-.0167	1.881	.0293

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2577**	**3.294**	**.0208**	**.0658**	**2.332**	**-.0116**	**.2841**
Stddev	.0001	.001	.0003	.0002	.002	.0005	.0006
%RSD	.0478	.0178	1.497	.3195	.0656	4.430	.2087
#1	.2576	3.293	.0205	.0659	2.333	-.0113	.2845
#2	.2578	3.294	.0210	.0656	2.330	-.0120	.2837

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99932.**	**14213.**	**1732.0**	**5519.1**
Stddev	4.	35.	1.3	12.5
%RSD	.00369	.24345	.07371	.22690
#1	99935.	14237.	1732.9	5527.9
#2	99930.	14188.	1731.1	5510.2

Zoom In Zoom Out

Sample Name: jb67728-15a Acquired: 5/30/2014 22:40:06 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.043**	**.0048**	**.0041**	**.0994**	**.1478**	**.9100**	**1.428**	**.2072**	**.0056**
Stddev	.002	.0000	.0000	.0001	.0002	.0018	.000	.0002	.0005
%RSD	.1601	.1445	.8477	.0592	.1258	.1940	.0184	.0764	8.563
#1	1.042	.0048	.0041	.0995	.1476	.9112	1.428	.2071	.0053
#2	1.044	.0048	.0042	.0994	.1479	.9087	1.428	.2073	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2050**	**2.915**	**.1289**	**.0010**	**1.333**	**.0402**	**.0068**	**56.07**	**26.94**
Stddev	.0001	.003	.0001	.0003	.001	.0009	.0001	.01	.00
%RSD	.0666	.1029	.1008	33.59	.0959	2.159	.7627	.0245	.0112
#1	.2049	2.917	.1290	.0007	1.334	.0408	.0067	56.06	26.94
#2	.2051	2.913	.1288	.0012	1.332	.0396	.0068	56.08	26.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**100.2**	**4.798**	**8.078**	**2.738**	**.0247**	**.0234**	**-.0117**	**2.800**	**.1995**
Stddev	.0	.000	.002	.007	.0001	.0001	.0005	.065	.0022
%RSD	.0136	.0028	.0190	.2598	.5490	.5178	4.044	2.336	1.102
#1	100.2	4.798	8.079	2.743	.0246	.0235	-.0121	2.846	.2010
#2	100.2	4.798	8.077	2.733	.0248	.0233	-.0114	2.754	.1979

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4909**	**.9793**	**.0189**	**.0270**	**6.471**	**-.0040**	**.1333**
Stddev	.0005	.0032	.0002	.0000	.019	.0007	.0001
%RSD	.0946	.3281	.9871	.0620	.2939	17.41	.0627
#1	.4906	.9816	.0188	.0270	6.485	-.0035	.1333
#2	.4913	.9770	.0191	.0270	6.458	-.0044	.1332

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98122.**	**13734.**	**1694.6**	**5586.3**
Stddev	104.	31.	1.4	4.6
%RSD	.10610	.22773	.08328	.08175
#1	98196.	13712.	1693.6	5589.6
#2	98049.	13756.	1695.6	5583.1

Zoom In Zoom Out

Sample Name: jb67728-17a Acquired: 5/30/2014 22:46:15 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.594**	**.0049**	**.0017**	**.0601**	**.1671**	**.3236**	**1.543**	**.1651**	**.0027**
Stddev	.006	.0000	.0001	.0002	.0003	.0015	.003	.0002	.0005
%RSD	.3922	.6428	6.300	.3363	.1927	.4504	.1852	.1310	17.66
#1	1.590	.0049	.0017	.0602	.1673	.3246	1.545	.1652	.0024
#2	1.598	.0049	.0016	.0599	.1669	.3226	1.541	.1649	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1855**	**.9232**	**.0674**	**.0026**	**1.821**	**.0156**	**.0038**	**48.01**	**22.52**
Stddev	.0015	.0019	.0004	.0005	.003	.0008	.0001	.07	.07
%RSD	.7956	.2012	.6528	17.91	.1818	5.076	3.945	.1530	.3127
#1	.1866	.9246	.0671	.0023	1.823	.0151	.0039	47.96	22.47
#2	.1845	.9219	.0677	.0030	1.819	.0162	.0037	48.07	22.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**89.57**	**4.189**	**4.679**	**2.250**	**.0228**	**.0134**	**-.0120**	**3.006**	**.0668**
Stddev	.34	.001	.006	.008	.0005	.0001	.0003	.029	.0006
%RSD	.3750	.0330	.1374	.3685	1.997	.4265	2.442	.9766	.8288
#1	89.33	4.188	4.683	2.244	.0225	.0135	-.0122	3.027	.0672
#2	89.80	4.190	4.674	2.256	.0231	.0134	-.0118	2.985	.0664

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3278**	**1.252**	**.0120**	**.0201**	**10.77**	**-.0050**	**.1555**
Stddev	.0008	.001	.0003	.0002	.10	.0005	.0003
%RSD	.2526	.0683	2.604	.9767	.8930	10.33	.1853
#1	.3272	1.252	.0122	.0203	10.70	-.0046	.1553
#2	.3284	1.253	.0118	.0200	10.84	-.0054	.1557

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97353.**	**13960.**	**1714.3**	**5609.8**
Stddev	130.	38.	4.3	5.4
%RSD	.13338	.27023	.25285	.09676
#1	97261.	13986.	1717.4	5606.0
#2	97445.	13933.	1711.2	5613.6

Zoom In Zoom Out

Sample Name: jb67728-18a Acquired: 5/30/2014 22:52:23 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9843**	**.0035**	**.0023**	**.0546**	**.1055**	**.8424**	**.8957**	**.1401**	**.0023**
Stddev	.0004	.0000	.0003	.0003	.0005	.0004	.0005	.0011	.0005
%RSD	.0446	.0393	12.20	.4808	.4695	.0421	.0565	.7615	20.38
#1	.9846	.0035	.0025	.0544	.1052	.8422	.8961	.1393	.0020
#2	.9840	.0034	.0021	.0548	.1059	.8427	.8953	.1408	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1850**	**1.222**	**.0728**	**.0009**	**1.808**	**.0133**	**.0041**	**41.68**	**20.81**
Stddev	.0005	.004	.0017	.0016	.001	.0040	.0004	.07	.01
%RSD	.2549	.2864	2.314	176.1	.0281	30.10	9.927	.1800	.0602
#1	.1847	1.219	.0716	-.0002	1.808	.0105	.0044	41.63	20.81
#2	.1853	1.224	.0740	.0020	1.807	.0161	.0038	41.74	20.80

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**69.53**	**3.389**	**5.018**	**2.522**	**.0230**	**.0277**	**-.0104**	**2.560**	**.0954**
Stddev	.02	.017	.009	.013	.0002	.0002	.0000	.055	.0001
%RSD	.0318	.5083	.1784	.5118	.8562	.8700	.2029	2.146	.1357
#1	69.51	3.402	5.024	2.513	.0229	.0275	-.0104	2.598	.0953
#2	69.54	3.377	5.011	2.531	.0232	.0279	-.0105	2.521	.0955

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3426**	**.8628**	**.0107**	**.0144**	**3.967**	**-.0052**	**.0902**
Stddev	.0000	.0004	.0000	.0015	.029	.0001	.0004
%RSD	.0111	.0455	.1806	10.40	.7266	1.938	.4389
#1	.3426	.8625	.0107	.0155	3.947	-.0051	.0904
#2	.3426	.8631	.0107	.0133	3.988	-.0052	.0899

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96582.**	**14025.**	**1716.0**	**5602.8**
Stddev	137.	5.	2.4	8.0
%RSD	.14213	.03587	.13975	.14198
#1	96679.	14022.	1717.7	5608.5
#2	96485.	14029.	1714.3	5597.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/30/2014 22:58:34 Type: QC
Method: Accutest1(v93) 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	**1.964**	**1.971**	**1.929**	**1.936**	**1.978**	**1.875**	**1.998**	**1.977**	**.2408**
Stddev	.004	.004	.003	.005	.002	.007	.003	.006	.0008
%RSD	.2034	.2276	.1575	.2855	.0888	.3975	.1562	.2934	.3159
#1	1.961	1.968	1.927	1.933	1.979	1.869	1.995	1.973	.2413
#2	1.967	1.974	1.931	1.940	1.977	1.880	2.000	1.982	.2403
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**	**1.976**	**1.957**	**2.032**	**1.981**	**1.958**	**1.927**	**38.46**	**39.57**
Stddev	.010	.005	.001	.006	.008	.008	.006	.07	.03
%RSD	.5387	.2596	.0298	.3119	.4221	.3877	.3027	.1864	.0718
#1	1.916	1.972	1.957	2.028	1.975	1.953	1.923	38.41	39.55
#2	1.931	1.980	1.956	2.037	1.987	1.963	1.931	38.51	39.59
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	**39.71**	**39.61**	**39.93**	**39.17**	**1.950**	**1.974**	**1.889**	**4.863**	**1.991**
Stddev	.07	.05	.13	.09	.003	.008	.005	.005	.004
%RSD	.1723	.1257	.3155	.2224	.1271	.4156	.2699	.1125	.1990
#1	39.66	39.58	39.84	39.11	1.948	1.968	1.885	4.859	1.989
#2	39.76	39.65	40.02	39.23	1.952	1.980	1.892	4.867	1.994
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: 5/30/2014 22:58:34 Type: QC
Method: Accutest1(v93) 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	**2.020**	**1.955**	**1.913**	**1.977**	**1.966**	**1.924**	**2.004**
Stddev	.001	.004	.020	.001	.006	.004	.001
%RSD	.0565	.1897	1.030	.0678	.2842	.2185	.0673
#1	2.019	1.952	1.899	1.976	1.963	1.921	2.005
#2	2.020	1.957	1.927	1.978	1.970	1.927	2.003
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	**91665.**	**13372.**	**1607.3**	**5257.9**
Stddev	159.	57.	2.6	12.7
%RSD	.17332	.42269	.15912	.24229
#1	91777.	13412.	1609.1	5266.9
#2	91553.	13332.	1605.5	5248.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 23:04:37 Type: QC
Method: Accutest1(v93) 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	**.0011**	**.0009**	F **.0010**	**.0011**	**.0010**	**.0004**	**.0011**	F **.0011**	**-.0003**
Stddev	.0001	.0001	.0001	.0001	.0004	.0002	.0000	.0002	.0002
%RSD	7.729	10.45	13.82	13.29	42.34	43.96	3.783	15.94	59.80
#1	.0012	.0008	.0011	.0012	.0007	.0002	.0011	.0010	-.0004
#2	.0010	.0010	.0009	.0010	.0013	.0005	.0010	.0012	-.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0000**	**.0008**	**.0017**	**.0012**	**.0011**	**.0011**	**.0285**	**.0130**
Stddev	.0001	.000	.0007	.0005	.0003	.0020	.0007	.0114	.0029
%RSD	8.152	318.7	82.29	31.22	24.26	177.3	62.02	39.98	21.87
#1	.0012	.0000	.0004	.0021	.0010	-.0003	.0006	.0205	.0110
#2	.0011	-.0001	.0013	.0013	.0014	.0025	.0015	.0366	.0151
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 **.0242**	**.0194**	**.0424**	**.0056**	**.0030**	F **.0032**	**.0011**	**.0086**	**.0012**
Stddev	.0014	.0026	.0083	.0089	.0000	.0005	.0006	.0001	.0000
%RSD	5.879	13.24	19.60	158.1	1.431	16.24	58.96	1.381	.7858
#1	.0252	.0176	.0366	.0119	.0030	.0036	.0006	.0087	.0012
#2	.0232	.0213	.0483	-.0007	.0030	.0028	.0015	.0085	.0012
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/30/2014 23:04:37 Type: QC
Method: Accutest1(v93) 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	**.0010**	F **.0014**	F **.0222**	F **.0020**	**.0017**	**.0006**	F **.0021**
Stddev	.0000	.0001	.0019	.0000	.0012	.0004	.0005
%RSD	2.779	8.047	8.376	1.635	75.13	64.45	24.55
#1	.0009	.0014	.0236	.0020	.0025	.0009	.0017
#2	.0010	.0013	.0209	.0019	.0008	.0003	.0025
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit		.0010	.0123	.0010			.0020
Low Limit		-.0010	-.0123	-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95048.**	**13376.**	**1654.2**	**5684.7**
Stddev	88.	122.	5.8	15.1
%RSD	.09248	.90859	.34765	.26489
#1	94986.	13462.	1658.3	5695.4
#2	95110.	13290.	1650.1	5674.1

Zoom In Zoom Out

Sample Name: jb67728-19a Acquired: 5/30/2014 23:10:57 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.044**	**.0128**	**.0036**	**.1246**	**.3418**	**.3408**	**4.972**	**.2497**	**.0033**
Stddev	.002	.0000	.0001	.0010	.0015	.0015	.023	.0009	.0001
%RSD	.1479	.1115	2.656	.8362	.4443	.4280	.4682	.3689	4.161
#1	1.043	.0128	.0037	.1239	.3407	.3398	4.988	.2491	.0032
#2	1.045	.0129	.0036	.1254	.3429	.3418	4.955	.2504	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4878**	**3.545**	**.0890**	**-.0014**	**1.752**	**.0110**	**.0064**	**226.0**	**30.95**
Stddev	.0006	.018	.0013	.0022	.006	.0010	.0011	.3	.07
%RSD	.1188	.5074	1.510	158.4	.3550	8.800	16.60	.1408	.2155
#1	.4874	3.533	.0880	-.0030	1.748	.0117	.0057	225.8	30.90
#2	.4882	3.558	.0899	.0002	1.756	.0104	.0072	226.2	30.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**288.5**	**59.56**	**21.27**	**2.781**	**.0786**	**-.0030**	**-.0310**	**1.976**	**.0810**
Stddev	.8	.20	.04	.000	.0023	.0002	.0006	.016	.0013
%RSD	.2785	.3383	.1875	.0075	2.881	8.022	1.928	.8151	1.609
#1	288.0	59.42	21.24	2.781	.0770	-.0032	-.0314	1.964	.0801
#2	289.1	59.70	21.30	2.781	.0802	-.0028	-.0306	1.987	.0820

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2361**	**6.855**	**.0438**	**.0948**	**15.78**	**-.0167**	**.5050**
Stddev	.0005	.013	.0008	.0004	.11	.0006	.0008
%RSD	.1974	.1907	1.935	.4568	.7152	3.426	.1609
#1	.2358	6.846	.0443	.0945	15.70	-.0163	.5045
#2	.2364	6.864	.0432	.0951	15.86	-.0171	.5056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102170.**	**15492.**	**1773.5**	**5307.0**
Stddev	206.	67.	15.7	31.6
%RSD	.20172	.43430	.88781	.59555
#1	102320.	15539.	1784.7	5329.3
#2	102030.	15444.	1762.4	5284.6

Zoom In Zoom Out

Sample Name: jb67728-20a Acquired: 5/30/2014 23:17:10 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3375**	**.0050**	**.0005**	**.0564**	**.1745**	**.0737**	**6.832**	**.1111**	**.0026**
Stddev	.0001	.0000	.0001	.0002	.0006	.0002	.003	.0010	.0002
%RSD	.0325	.2062	28.42	.2704	.3651	.3288	.0404	.8623	6.081
#1	.3374	.0050	.0006	.0562	.1741	.0736	6.830	.1104	.0027
#2	.3376	.0051	.0004	.0565	.1750	.0739	6.834	.1117	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2538**	**.2912**	**.0315**	**.0073**	**.1507**	**.0038**	**.0017**	**93.46**	**11.55**
Stddev	.0007	.0019	.0010	.0005	.0012	.0004	.0005	.08	.00
%RSD	.2623	.6529	3.039	7.352	.8042	9.738	31.04	.0819	.0029
#1	.2543	.2898	.0308	.0070	.1498	.0035	.0021	93.51	11.55
#2	.2533	.2925	.0321	.0077	.1515	.0040	.0014	93.40	11.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**135.5**	**33.95**	**8.877**	**1.040**	**.0286**	**-.0048**	**-.0179**	**2.006**	**.0153**
Stddev	.0	.16	.011	.005	.0007	.0002	.0000	.005	.0004
%RSD	.0359	.4599	.1230	.4587	2.560	3.443	.1227	.2652	2.884
#1	135.5	34.06	8.869	1.043	.0291	-.0046	-.0179	2.002	.0150
#2	135.4	33.84	8.885	1.037	.0281	-.0049	-.0179	2.009	.0157

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0664**	**4.749**	**.0191**	**.0438**	**1.299**	**-.0127**	**.0950**
Stddev	.0000	.004	.0004	.0000	.008	.0009	.0002
%RSD	.0674	.0764	2.063	.0802	.6007	7.306	.2550
#1	.0665	4.746	.0193	.0438	1.293	-.0120	.0952
#2	.0664	4.751	.0188	.0438	1.304	-.0133	.0949

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95634.**	**14184.**	**1678.5**	**5411.3**
Stddev	72.	38.	10.2	20.4
%RSD	.07552	.26831	.60568	.37773
#1	95583.	14158.	1685.7	5425.8
#2	95685.	14211.	1671.3	5396.9

Zoom In Zoom Out

Sample Name: jb67728-21a Acquired: 5/30/2014 23:23:26 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6232**	**.0081**	**.0007**	**.0703**	**.1809**	**.1156**	**2.044**	**.1429**	**.0021**
Stddev	.0004	.0000	.0001	.0013	.0004	.0003	.014	.0019	.0004
%RSD	.0713	.4701	10.20	1.897	.2005	.2373	.6966	1.316	18.13
#1	.6229	.0080	.0007	.0713	.1811	.1158	2.054	.1442	.0024
#2	.6236	.0081	.0006	.0694	.1806	.1154	2.033	.1416	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2836**	**.4190**	**.0500**	**-.0009**	**.2536**	**.0045**	**.0020**	**147.5**	**14.34**
Stddev	.0014	.0046	.0008	.0021	.0038	.0011	.0007	.3	.06
%RSD	.4958	1.101	1.657	233.5	1.482	25.34	33.32	.2117	.3971
#1	.2846	.4222	.0506	-.0024	.2562	.0053	.0024	147.8	14.38
#2	.2827	.4157	.0494	.0006	.2509	.0037	.0015	147.3	14.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**176.3**	**34.16**	**10.84**	**1.796**	**.0549**	**-.0047**	**-.0196**	**1.968**	**.0195**
Stddev	.5	.17	.00	.004	.0004	.0002	.0001	.002	.0002
%RSD	.2876	.5004	.0336	.2097	.7145	4.464	.6598	.0943	.7825
#1	176.6	34.28	10.84	1.793	.0552	-.0046	-.0195	1.969	.0194
#2	175.9	34.04	10.84	1.798	.0546	-.0049	-.0197	1.967	.0196

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1394**	**3.927**	**.0212**	**.0369**	**8.627**	**-.0106**	**.1570**
Stddev	.0002	.020	.0000	.0002	.101	.0005	.0013
%RSD	.1668	.5020	.0616	.4566	1.169	4.923	.8144
#1	.1392	3.941	.0212	.0371	8.699	-.0110	.1561
#2	.1396	3.913	.0212	.0368	8.556	-.0103	.1579

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97893.**	**14855.**	**1723.6**	**5339.7**
Stddev	373.	114.	9.2	40.4
%RSD	.38141	.76648	.53536	.75659
#1	97629.	14774.	1717.1	5311.1
#2	98157.	14935.	1730.1	5368.3

Zoom In Zoom Out

Sample Name: jb67667-2 2 Acquired: 5/30/2014 23:29:34 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7488**	**.0052**	**.0135**	**.0506**	**.1891**	**.9291**	**2.928**	**.1804**	**.0157**
Stddev	.0018	.0000	.0001	.0006	.0002	.0023	.001	.0016	.0001
%RSD	.2344	.4125	.8971	1.098	.1040	.2508	.0428	.8990	.6512
#1	.7500	.0052	.0134	.0502	.1889	.9307	2.927	.1793	.0156
#2	.7475	.0052	.0136	.0510	.1892	.9274	2.929	.1816	.0157

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1509**	**1.048**	**.0528**	**-.0299**	**.5815**	**.0361**	**.0056**	**74.21**	**973.4**
Stddev	.0000	.015	.0013	.0005	.0047	.0028	.0018	.05	3.2
%RSD	.0249	1.452	2.545	1.837	.8145	7.663	31.82	.0641	.3335
#1	.1509	1.037	.0538	-.0295	.5782	.0381	.0069	74.18	975.7
#2	.1508	1.059	.0519	-.0302	.5849	.0341	.0043	74.24	971.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**119.1**	**185.9**	**19.60**	**4.499**	**.1845**	**.0091**	**-.0289**	**2.160**	**.0875**
Stddev	.0	.3	.06	.003	.0038	.0000	.0001	.042	.0019
%RSD	.0102	.1658	.2811	.0681	2.060	.3315	.1762	1.933	2.224
#1	119.1	186.1	19.64	4.501	.1818	.0091	-.0290	2.131	.0861
#2	119.1	185.6	19.56	4.497	.1872	.0091	-.0289	2.190	.0888

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.698**	**1.365**	**.0258**	**.0526**	**12.18**	**.0017**	**.2384**
Stddev	.005	.001	.0014	.0004	.21	.0012	.0005
%RSD	.2930	.0661	5.255	.8517	1.707	69.27	.2224
#1	1.701	1.366	.0267	.0529	12.03	.0009	.2388
#2	1.694	1.365	.0248	.0523	12.32	.0026	.2381

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85274.**	**13764.**	**1485.5**	**4470.5**
Stddev	52.	53.	23.0	43.6
%RSD	.06057	.38485	1.5500	.97566
#1	85238.	13801.	1501.7	4501.4
#2	85311.	13726.	1469.2	4439.7

Zoom In Zoom Out

Sample Name: jb67670-1 Acquired: 5/30/2014 23:35:48 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6261**	**.0041**	**.0040**	**.0607**	**.1111**	**.4291**	**1.639**	**.1551**	**.0031**
Stddev	.0034	.0001	.0001	.0009	.0002	.0025	.002	.0000	.0000
%RSD	.5446	1.246	2.127	1.403	.1512	.5855	.1229	.0241	.7952
#1	.6285	.0042	.0039	.0613	.1112	.4273	1.640	.1552	.0031
#2	.6237	.0041	.0040	.0601	.1109	.4309	1.637	.1551	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1942**	**.8176**	**.0219**	**.0027**	**.4120**	**.0042**	**.0024**	**90.30**	**43.68**
Stddev	.0005	.0030	.0009	.0026	.0012	.0034	.0002	.42	.06
%RSD	.2528	.3709	4.138	94.79	.2978	80.24	6.557	.4674	.1324
#1	.1938	.8198	.0225	.0046	.4129	.0018	.0025	90.60	43.72
#2	.1945	.8155	.0212	.0009	.4111	.0066	.0023	90.00	43.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**124.7**	**32.83**	**4.958**	**7.929**	**.0694**	**-.0023**	**-.0123**	**1.181**	**.0280**
Stddev	.3	.10	.017	.022	.0008	.0000	.0004	.007	.0000
%RSD	.2468	.3005	.3510	.2799	1.119	1.386	2.966	.5772	.0872
#1	124.9	32.90	4.970	7.945	.0699	-.0023	-.0126	1.186	.0280
#2	124.5	32.76	4.946	7.913	.0688	-.0023	-.0121	1.177	.0281

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2929**	**4.813**	**.0164**	**.0683**	**2.207**	**-.0066**	**.0580**
Stddev	.0016	.002	.0002	.0000	.020	.0013	.0005
%RSD	.5447	.0385	1.350	.0122	.9148	19.03	.8723
#1	.2941	4.814	.0165	.0683	2.221	-.0057	.0576
#2	.2918	4.812	.0162	.0683	2.192	-.0075	.0583

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91397.**	**13822.**	**1622.7**	**5282.5**
Stddev	105.	9.	4.7	15.6
%RSD	.11442	.06200	.29144	.29532
#1	91471.	13829.	1619.4	5271.4
#2	91323.	13816.	1626.0	5293.5

Zoom In Zoom Out

Sample Name: jb67695-1 Acquired: 5/30/2014 23:41:57 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3211**	**.0033**	**.0008**	**.0423**	**.1066**	**.1282**	**1.246**	**.0854**	**.0026**
Stddev	.0009	.0000	.0001	.0000	.0004	.0005	.004	.0003	.0004
%RSD	.2902	1.034	8.582	.1179	.3528	.3636	.3180	.3573	14.47
#1	.3217	.0033	.0007	.0423	.1069	.1279	1.249	.0856	.0029
#2	.3204	.0033	.0008	.0423	.1063	.1285	1.243	.0852	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1594**	**.2297**	**.0194**	**.0036**	**.0691**	**.0014**	**.0011**	**53.31**	**34.05**
Stddev	.0002	.0004	.0011	.0003	.0007	.0013	.0010	.06	.00
%RSD	.0963	.1726	5.557	7.785	1.060	97.62	92.50	.1118	.0055
#1	.1593	.2300	.0187	.0038	.0686	.0004	.0004	53.35	34.05
#2	.1595	.2294	.0202	.0034	.0696	.0023	.0018	53.26	34.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.8**	**23.32**	**6.568**	**2.722**	**.3413**	**-.0015**	**-.0119**	**1.438**	**.0164**
Stddev	.1	.03	.006	.007	.0019	.0001	.0008	.004	.0014
%RSD	.0668	.1435	.0976	.2616	.5680	5.312	6.497	.2576	8.584
#1	106.9	23.29	6.564	2.727	.3427	-.0015	-.0113	1.441	.0174
#2	106.8	23.34	6.573	2.717	.3400	-.0016	-.0124	1.435	.0154

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1059**	**3.588**	**.0087**	**.0685**	**4.554**	**-.0057**	**.0745**
Stddev	.0001	.007	.0007	.0003	.025	.0001	.0000
%RSD	.1138	.1853	8.362	.4090	.5525	1.821	.0122
#1	.1060	3.593	.0092	.0683	4.572	-.0056	.0745
#2	.1058	3.583	.0082	.0687	4.536	-.0058	.0745

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94030.**	**14232.**	**1658.6**	**5359.1**
Stddev	110.	6.	3.3	11.2
%RSD	.11733	.04308	.20187	.20853
#1	94108.	14237.	1656.3	5351.2
#2	93952.	14228.	1661.0	5367.0

Zoom In Zoom Out

Sample Name: jb67706-1 Acquired: 5/30/2014 23:48:05 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8207**	**.0068**	**.0018**	**.0838**	**.0978**	**.1224**	**3.916**	**.1765**	**.0055**
Stddev	.0002	.0000	.0001	.0002	.0001	.0007	.001	.0001	.0005
%RSD	.0200	.3098	6.375	.2283	.0698	.6011	.0290	.0747	9.908
#1	.8205	.0068	.0017	.0839	.0979	.1219	3.915	.1766	.0059
#2	.8208	.0068	.0019	.0837	.0978	.1229	3.916	.1764	.0051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0923**	**1.194**	**.0396**	**.0011**	**.2595**	**.0055**	**.0041**	**76.39**	**13.65**
Stddev	.0005	.004	.0004	.0001	.0001	.0000	.0001	.30	.05
%RSD	.5530	.3104	.9972	9.724	.0241	.0954	2.169	.3872	.3625
#1	.0919	1.197	.0393	.0012	.2595	.0055	.0041	76.18	13.68
#2	.0926	1.191	.0398	.0010	.2596	.0055	.0040	76.60	13.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**204.4**	**35.85**	**12.76**	**.8051**	**.0135**	**-.0082**	**-.0178**	**1.342**	**.0166**
Stddev	.4	.13	.00	.0063	.0005	.0002	.0006	.007	.0010
%RSD	.2100	.3640	.0170	.7834	3.818	3.005	3.527	.5154	5.822
#1	204.7	35.94	12.76	.8006	.0131	-.0081	-.0183	1.338	.0159
#2	204.1	35.75	12.76	.8095	.0139	-.0084	-.0174	1.347	.0172

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0846**	**1.099**	**.0187**	**.0574**	**.4049**	**-.0065**	**.2218**
Stddev	.0003	.000	.0006	.0002	.0001	.0005	.0008
%RSD	.4054	.0382	3.309	.2900	.0238	7.809	.3750
#1	.0848	1.099	.0183	.0575	.4049	-.0068	.2224
#2	.0843	1.099	.0192	.0573	.4050	-.0061	.2212

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93672.**	**14027.**	**1642.4**	**5432.4**
Stddev	143.	7.	1.4	8.2
%RSD	.15244	.04852	.08657	.15102
#1	93773.	14022.	1643.4	5438.2
#2	93571.	14031.	1641.4	5426.6

Zoom In Zoom Out

Sample Name: jb67706-2 Acquired: 5/30/2014 23:54:16 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1735**	**.0022**	**.0002**	**.0294**	**.0375**	**.0404**	**1.433**	**.0700**	**.0020**
Stddev	.0001	.0000	.0001	.0003	.0000	.0002	.000	.0006	.0001
%RSD	.0674	1.806	24.18	1.037	.0640	.4403	.0274	.9134	3.430
#1	.1736	.0022	.0002	.0296	.0375	.0405	1.433	.0696	.0021
#2	.1734	.0021	.0003	.0292	.0375	.0402	1.433	.0705	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0383**	**.2177**	**.0135**	**-.0005**	**.0800**	**.0033**	**.0004**	**33.55**	**5.432**
Stddev	.0001	.0005	.0002	.0013	.0000	.0001	.0005	.06	.012
%RSD	.2580	.2431	1.631	234.9	.0251	3.441	104.4	.1653	.2177
#1	.0382	.2173	.0133	.0004	.0800	.0032	.0001	33.51	5.424
#2	.0383	.2181	.0137	-.0014	.0800	.0034	.0008	33.59	5.441

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**73.41**	**15.09**	**6.142**	**.2233**	**.0044**	**-.0031**	**-.0077**	**1.096**	**.0129**
Stddev	.02	.00	.012	.0026	.0007	.0000	.0002	.008	.0009
%RSD	.0242	.0180	.2016	1.165	15.82	.2193	2.098	.7610	6.631
#1	73.39	15.10	6.133	.2252	.0039	-.0031	-.0076	1.090	.0123
#2	73.42	15.09	6.150	.2215	.0049	-.0031	-.0078	1.101	.0135

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0262**	**.6606**	**.0081**	**.0344**	**.1020**	**-.0061**	**.1093**
Stddev	.0001	.0004	.0007	.0001	.0010	.0000	.0002
%RSD	.4489	.0579	8.434	.4169	1.008	.2034	.1549
#1	.0263	.6604	.0076	.0345	.1027	-.0060	.1092
#2	.0261	.6609	.0086	.0343	.1012	-.0061	.1094

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92399.**	**13741.**	**1629.1**	**5449.2**
Stddev	27.	68.	3.7	1.3
%RSD	.02960	.49190	.22800	.02406
#1	92419.	13788.	1631.7	5450.2
#2	92380.	13693.	1626.5	5448.3

Zoom In Zoom Out

Sample Name: jb67706-3 Acquired: 5/31/2014 0:00:27 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5451**	**.0040**	**.0049**	**.0507**	**.0962**	**.1649**	**3.736**	**.1091**	**.0035**
Stddev	.0010	.0001	.0001	.0001	.0005	.0003	.002	.0006	.0000
%RSD	.1919	1.330	1.614	.2393	.5236	.2100	.0616	.5758	1.338
#1	.5458	.0040	.0050	.0508	.0959	.1646	3.735	.1096	.0035
#2	.5444	.0039	.0049	.0506	.0966	.1651	3.738	.1087	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0775**	**2.504**	**.0672**	**.0029**	**.7314**	**.0043**	**.0016**	**63.72**	**38.92**
Stddev	.0000	.010	.0002	.0025	.0037	.0006	.0005	.03	.09
%RSD	.0402	.4050	.3272	84.91	.5020	14.16	28.81	.0436	.2427
#1	.0775	2.511	.0673	.0047	.7340	.0048	.0013	63.74	38.86
#2	.0775	2.496	.0670	.0012	.7288	.0039	.0020	63.70	38.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**122.8**	**21.68**	**11.99**	**2.707**	**.0148**	**.0007**	**-.0135**	**2.570**	**.0330**
Stddev	.2	.03	.01	.006	.0005	.0002	.0001	.001	.0002
%RSD	.1811	.1246	.0738	.2205	3.702	24.10	.6750	.0297	.6509
#1	122.6	21.66	11.99	2.702	.0152	.0006	-.0136	2.571	.0329
#2	122.9	21.70	11.98	2.711	.0144	.0008	-.0135	2.570	.0332

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2921**	**.8685**	**.0187**	**.0448**	**2.543**	**-.0036**	**.1609**
Stddev	.0002	.0006	.0007	.0001	.006	.0004	.0001
%RSD	.0537	.0680	3.750	.1479	.2564	9.820	.0435
#1	.2922	.8681	.0182	.0449	2.538	-.0039	.1609
#2	.2920	.8690	.0192	.0448	2.548	-.0034	.1608

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94453.**	**14297.**	**1659.4**	**5333.8**
Stddev	179.	63.	3.3	7.8
%RSD	.18907	.44334	.19711	.14674
#1	94579.	14342.	1657.1	5328.2
#2	94326.	14252.	1661.7	5339.3

Zoom In Zoom Out

Sample Name: jb67706-4 Acquired: 5/31/2014 0:06:37 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.449**	**.0037**	**.0021**	**.0397**	**.1366**	**.3398**	**1.698**	**.0853**	**.0048**
Stddev	.002	.0000	.0002	.0001	.0006	.0009	.000	.0001	.0003
%RSD	.1016	.2314	8.453	.2118	.4030	.2603	.0135	.0855	5.326
#1	1.448	.0037	.0019	.0397	.1370	.3392	1.698	.0854	.0046
#2	1.450	.0037	.0022	.0398	.1362	.3404	1.698	.0853	.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0830**	**2.008**	**.0364**	**.0014**	**2.501**	**.0067**	**.0028**	**61.36**	**39.87**
Stddev	.0003	.000	.0001	.0021	.001	.0028	.0004	.20	.01
%RSD	.3706	.0063	.2897	152.0	.0487	41.86	14.06	.3230	.0251
#1	.0828	2.007	.0365	.0028	2.502	.0087	.0031	61.22	39.87
#2	.0833	2.008	.0363	-.0001	2.501	.0047	.0026	61.50	39.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.7**	**17.43**	**10.35**	**5.185**	**.0155**	**-.0033**	**-.0125**	**2.618**	**.1007**
Stddev	.0	.05	.03	.021	.0003	.0000	.0000	.003	.0008
%RSD	.0174	.2875	.2692	.4152	1.915	.3162	.1976	.1195	.7885
#1	113.6	17.39	10.33	5.170	.0157	-.0033	-.0125	2.616	.1012
#2	113.7	17.47	10.37	5.200	.0153	-.0033	-.0125	2.620	.1001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3204**	**1.014**	**.0170**	**.0159**	**2.088**	**.0019**	**.1447**
Stddev	.0004	.001	.0007	.0004	.005	.0006	.0003
%RSD	.1338	.0892	3.828	2.305	.2470	33.01	.2246
#1	.3207	1.015	.0166	.0162	2.084	.0024	.1445
#2	.3201	1.014	.0175	.0157	2.092	.0015	.1449

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92300.**	**14039.**	**1620.4**	**5350.7**
Stddev	34.	47.	6.0	4.8
%RSD	.03672	.33506	.36802	.09038
#1	92276.	14072.	1624.6	5354.1
#2	92324.	14005.	1616.2	5347.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/31/2014 0:12:48 Type: QC
Method: Accutest1(v93) 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	**2.044**	**2.014**	**1.955**	**1.945**	**1.995**	**1.989**	**2.036**	**1.972**	**.2454**
Stddev	.002	.005	.006	.007	.004	.000	.000	.007	.0006
%RSD	.1081	.2490	.3263	.3670	.2127	.0189	.0163	.3607	.2282
#1	2.045	2.018	1.959	1.950	1.998	1.989	2.035	1.977	.2458
#2	2.042	2.011	1.950	1.940	1.992	1.989	2.036	1.967	.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	**2.001**	**1.954**	**1.969**	**2.080**	**1.966**	**1.989**	**1.965**	**39.86**	**39.24**
Stddev	.004	.005	.008	.000	.006	.008	.010	.05	.13
%RSD	.1777	.2578	.3924	.0206	.3120	.4043	.4940	.1191	.3431
#1	1.999	1.958	1.975	2.080	1.970	1.995	1.972	39.89	39.33
#2	2.004	1.951	1.964	2.080	1.962	1.984	1.958	39.82	39.14
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	**39.67**	**38.92**	**41.07**	**40.36**	**1.987**	**1.982**	**1.975**	**4.949**	**1.994**
Stddev	.16	.28	.04	.08	.006	.005	.001	.029	.005
%RSD	.3913	.7199	.1080	.1954	.2959	.2654	.0253	.5833	.2517
#1	39.78	39.12	41.10	40.42	1.991	1.986	1.975	4.970	1.997
#2	39.56	38.72	41.04	40.31	1.983	1.979	1.974	4.929	1.990
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: 5/31/2014 0:12:48 Type: QC
Method: Accutest1(v93) 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	**2.037**	**2.012**	**1.934**	**2.022**	**1.994**	**1.971**	**2.064**
Stddev	.002	.001	.003	.001	.005	.005	.002
%RSD	.1189	.0658	.1530	.0614	.2667	.2352	.0816
#1	2.038	2.011	1.932	2.023	1.998	1.974	2.062
#2	2.035	2.013	1.936	2.022	1.990	1.967	2.065
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	**88359.**	**13311.**	**1569.2**	**5165.9**
Stddev	1.	80.	8.4	25.2
%RSD	.00166	.60470	.53269	.48789
#1	88360.	13254.	1563.2	5148.0
#2	88358.	13368.	1575.1	5183.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 0:18:51 Type: QC
Method: Accutest1(v93) 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**	F **.0011**	**.0008**	**-.0002**	**.0002**	**.0001**	**.0008**	**-.0001**
Stddev	.0001	.0000	.0006	.0004	.0002	.0002	.0000	.0007	.0002
%RSD	77.58	3.337	51.24	46.57	120.1	114.9	35.19	86.26	418.1
#1	.0002	.0001	.0007	.0005	.0000	.0000	.0001	.0003	-.0002
#2	.0000	.0001	.0015	.0011	-.0003	.0003	.0001	.0013	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0004**	**.0007**	**.0000**	**.0006**	**.0018**	**.0012**	**.0089**	**-.0025**
Stddev	.0000	.0005	.0002	.000	.0007	.0025	.0001	.0013	.0010
%RSD	9.940	143.9	23.21	1512.	116.5	137.4	9.884	14.83	38.40
#1	.0002	-.0008	.0006	.0003	.0001	.0001	.0013	.0099	-.0018
#2	.0002	.0000	.0008	-.0003	.0012	.0036	.0011	.0080	-.0032
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	**.0008**	**-.0086**	**.0235**	**-.0147**	**.0026**	F **.0026**	**.0005**	**.0090**	**.0010**
Stddev	.0018	.0104	.0262	.0027	.0003	.0002	.0005	.0021	.0008
%RSD	230.7	120.5	111.5	18.46	12.71	7.349	105.6	23.63	77.99
#1	-.0005	-.0013	.0050	-.0128	.0024	.0025	.0001	.0075	.0005
#2	.0020	-.0160	.0421	-.0166	.0029	.0027	.0008	.0106	.0016
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: 5/31/2014 0:18:51 Type: QC
Method: Accutest1(v93) 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**	**.0006**	F **.0233**	F **.0012**	**.0037**	**.0011**	**.0014**
Stddev	.0000	.0001	.0009	.0001	.0003	.0005	.0005
%RSD	43.38	10.69	3.657	10.89	7.073	46.50	35.98
#1	.0000	.0006	.0239	.0013	.0039	.0007	.0018
#2	.0001	.0005	.0227	.0012	.0036	.0015	.0011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123	.0010			
Low Limit			-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94570.**	**13604.**	**1621.7**	**5606.7**
Stddev	273.	91.	5.7	30.1
%RSD	.28912	.66779	.35044	.53653
#1	94763.	13540.	1625.7	5628.0
#2	94376.	13669.	1617.6	5585.4

Zoom In Zoom Out

Sample Name: jb67706-5 Acquired: 5/31/2014 0:25:11 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3723**	**.0041**	**.0014**	**.0567**	**.0927**	**.2880**	**5.742**	**.1237**	**.0041**
Stddev	.0006	.0001	.0000	.0004	.0000	.0010	.041	.0001	.0002
%RSD	.1743	2.954	1.205	.6635	.0176	.3328	.7213	.0759	4.010
#1	.3719	.0040	.0014	.0564	.0927	.2874	5.713	.1236	.0042
#2	.3728	.0042	.0013	.0569	.0927	.2887	5.772	.1237	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0546**	**.4060**	**.0403**	**.0033**	**.5750**	**.0036**	**.0003**	**58.59**	**21.53**
Stddev	.0002	.0010	.0006	.0012	.0001	.0018	.0005	.19	.02
%RSD	.3544	.2562	1.518	37.12	.0180	49.97	139.6	.3237	.0919
#1	.0544	.4053	.0407	.0042	.5751	.0023	.0007	58.45	21.52
#2	.0547	.4067	.0399	.0024	.5749	.0049	.0000	58.72	21.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.5**	**25.06**	**10.25**	**3.418**	**.0075**	**.0021**	**-.0113**	**1.746**	**.0113**
Stddev	.1	.03	.05	.011	.0002	.0004	.0001	.003	.0007
%RSD	.1042	.1056	.4847	.3171	2.271	19.53	1.004	.1917	6.476
#1	127.4	25.04	10.22	3.410	.0074	.0023	-.0113	1.748	.0118
#2	127.6	25.08	10.29	3.426	.0077	.0018	-.0112	1.743	.0108

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0628**	**.8407**	**.0194**	**.0331**	**.3035**	**-.0034**	**.1748**
Stddev	.0001	.0023	.0014	.0004	.0005	.0004	.0006
%RSD	.0800	.2730	7.099	1.247	.1710	12.68	.3176
#1	.0627	.8391	.0204	.0328	.3031	-.0031	.1752
#2	.0628	.8423	.0184	.0334	.3038	-.0037	.1744

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92417.**	**13849.**	**1645.3**	**5388.5**
Stddev	260.	84.	3.8	18.6
%RSD	.28130	.60756	.22844	.34436
#1	92601.	13909.	1648.0	5401.6
#2	92234.	13790.	1642.7	5375.4

Zoom In Zoom Out

Sample Name: mp79752-s1 2 Acquired: 5/31/2014 0:31:26 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.571**	**.1095**	**.1030**	**1.007**	**.5691**	**.6875**	**3.078**	**1.069**	**.1140**
Stddev	.003	.0002	.0003	.000	.0015	.0001	.010	.001	.0006
%RSD	.0572	.1690	.2708	.0005	.2556	.0214	.3112	.1029	.5329
#1	4.569	.1097	.1028	1.007	.5681	.6874	3.072	1.068	.1144
#2	4.573	.1094	.1032	1.007	.5702	.6876	3.085	1.070	.1136

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.163**	**1.356**	**3.920**	**4.127**	**1.244**	**4.032**	**.6097**	**139.5**	**36.80**
Stddev	.004	.002	.003	.005	.001	.001	.0016	.1	.18
%RSD	.3737	.1276	.0635	.1134	.0725	.0214	.2595	.0847	.4924
#1	1.160	1.354	3.918	4.124	1.244	4.032	.6085	139.6	36.93
#2	1.167	1.357	3.922	4.131	1.243	4.033	.6108	139.4	36.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**183.9**	**34.12**	**23.05**	**14.49**	**.0739**	**-.0033**	**-.0150**	**4.871**	**.0332**
Stddev	.3	.24	.02	.03	.0003	.0002	.0002	.001	.0011
%RSD	.1703	.7045	.0705	.1812	.4140	4.711	1.232	.0251	3.300
#1	184.2	34.29	23.06	14.47	.0737	-.0034	-.0151	4.872	.0324
#2	183.7	33.95	23.04	14.51	.0741	-.0032	-.0148	4.870	.0339

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1214**	**1.648**	**.0298**	**.0416**	**.6339**	**-.0049**	**.0586**
Stddev	.0003	.003	.0015	.0006	.0024	.0005	.0009
%RSD	.2315	.1636	4.906	1.336	.3862	9.219	1.498
#1	.1216	1.646	.0288	.0420	.6357	-.0046	.0592
#2	.1212	1.650	.0308	.0412	.6322	-.0052	.0580

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89292.**	**13494.**	**1582.0**	**5169.8**
Stddev	114.	57.	1.9	.9
%RSD	.12766	.42418	.11730	.01789
#1	89373.	13454.	1580.7	5169.2
#2	89212.	13535.	1583.3	5170.5

Zoom In Zoom Out

Sample Name: mp79752-s2 Acquired: 5/31/2014 0:37:29 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.344**	**.1040**	**.0979**	**.9646**	**.5217**	**.6020**	**3.005**	**1.022**	**.1080**
Stddev	.012	.0001	.0001	.0015	.0000	.0004	.004	.002	.0003
%RSD	.2739	.1172	.0667	.1566	.0004	.0724	.1370	.2118	.3201
#1	4.335	.1040	.0980	.9635	.5217	.6024	3.002	1.020	.1078
#2	4.352	.1039	.0979	.9657	.5217	.6017	3.008	1.023	.1083

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.092**	**1.302**	**3.713**	**3.956**	**1.199**	**3.829**	**.5827**	**125.2**	**39.64**
Stddev	.002	.001	.006	.010	.002	.002	.0004	.1	.20
%RSD	.1468	.0490	.1640	.2418	.1347	.0607	.0630	.1108	.5065
#1	1.091	1.302	3.717	3.963	1.197	3.831	.5829	125.1	39.79
#2	1.093	1.303	3.709	3.949	1.200	3.827	.5824	125.3	39.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**155.8**	**35.09**	**21.40**	**13.65**	**.0918**	**-.0029**	**-.0137**	**4.586**	**.0328**
Stddev	.2	.20	.00	.05	.0000	.0001	.0002	.003	.0006
%RSD	.1212	.5608	.0201	.3609	.0250	2.516	1.812	.0732	1.820
#1	155.9	35.22	21.40	13.62	.0918	-.0028	-.0139	4.588	.0332
#2	155.6	34.95	21.40	13.69	.0918	-.0029	-.0135	4.583	.0324

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1227**	**1.522**	**.0233**	**.0334**	**.6336**	**-.0031**	**.0548**
Stddev	.0001	.002	.0004	.0000	.0015	.0001	.0000
%RSD	.0500	.1060	1.628	.0602	.2298	4.230	.0010
#1	.1227	1.520	.0236	.0334	.6346	-.0032	.0548
#2	.1227	1.523	.0231	.0334	.6326	-.0030	.0548

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90920.**	**13864.**	**1621.7**	**5259.3**
Stddev	146.	79.	4.4	9.5
%RSD	.16006	.56785	.27434	.18055
#1	91022.	13808.	1618.6	5252.6
#2	90817.	13919.	1624.8	5266.0

Zoom In Zoom Out

Sample Name: mp79752-sd1 Acquired: 5/31/2014 0:43:35 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4173**	**.0048**	**.0017**	**.0398**	**.1476**	**.1746**	**2.328**	**.0822**	**.0034**
Stddev	.0011	.0000	.0002	.0000	.0010	.0008	.006	.0026	.0006
%RSD	.2741	.7415	9.740	.0084	.6939	.4378	.2488	3.119	16.77
#1	.4165	.0048	.0015	.0398	.1484	.1751	2.333	.0804	.0038
#2	.4181	.0048	.0018	.0398	.1469	.1741	2.324	.0840	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2053**	**.6104**	**.0371**	**.0151**	**.3024**	**.0128**	**.0054**	**71.13**	**30.78**
Stddev	.0001	.0069	.0010	.0061	.0025	.0169	.0018	.25	.12
%RSD	.0509	1.132	2.697	40.64	.8280	132.1	32.96	.3548	.4041
#1	.2052	.6056	.0364	.0107	.3042	.0008	.0067	70.95	30.87
#2	.2054	.6153	.0378	.0194	.3007	.0248	.0042	71.30	30.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**122.8**	**26.28**	**10.22**	**2.791**	**.0641**	**-.0015**	**-.0098**	**2.391**	**.0347**
Stddev	.0	.42	.08	.027	.0060	.0011	.0037	.024	.0048
%RSD	.0170	1.598	.7449	.9669	9.376	72.18	37.85	.9951	13.72
#1	122.8	26.57	10.28	2.772	.0598	-.0023	-.0124	2.374	.0313
#2	122.8	25.98	10.17	2.811	.0683	-.0008	-.0072	2.408	.0380

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1896**	**1.636**	**.0459**	**.0182**	**1.430**	**-.0013**	**.0803**
Stddev	.0002	.002	.0028	.0007	.013	.0036	.0020
%RSD	.0844	.1096	6.115	4.047	.9053	279.7	2.430
#1	.1895	1.635	.0439	.0188	1.421	.0013	.0817
#2	.1897	1.637	.0479	.0177	1.439	-.0039	.0789

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92829.**	**13593.**	**1637.3**	**5516.4**
Stddev	90.	1.	14.5	35.4
%RSD	.09690	.00600	.88411	.64107
#1	92765.	13593.	1647.5	5541.5
#2	92892.	13594.	1627.1	5491.4

Zoom In Zoom Out

Sample Name: jb67744-1 Acquired: 5/31/2014 0:49:47 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7288**	**.0124**	**.0037**	**.1212**	**.3815**	**.3361**	**3.330**	**.4190**	**.0092**
Stddev	.0038	.0001	.0003	.0001	.0024	.0022	.008	.0005	.0007
%RSD	.5283	.4146	7.943	.1060	.6330	.6677	.2483	.1258	7.866
#1	.7315	.0124	.0035	.1211	.3832	.3376	3.336	.4187	.0087
#2	.7261	.0124	.0039	.1213	.3798	.3345	3.324	.4194	.0097

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4398**	**.9575**	**.1310**	**.0003**	**1.038**	**.0099**	**.0076**	**225.5**	**28.12**
Stddev	.0013	.0025	.0002	.0004	.003	.0026	.0008	.5	.07
%RSD	.2936	.2591	.1817	122.2	.2630	26.20	10.53	.2336	.2628
#1	.4407	.9593	.1311	.0000	1.036	.0081	.0070	225.8	28.17
#2	.4389	.9558	.1308	.0006	1.040	.0117	.0082	225.1	28.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**340.3**	**77.53**	**42.93**	**18.89**	**.1720**	**-.0014**	**-.0275**	**3.448**	**.0567**
Stddev	1.2	.32	.13	.06	.0009	.0001	.0000	.001	.0008
%RSD	.3535	.4141	.3081	.3154	.5006	4.232	.1616	.0351	1.409
#1	339.4	77.76	43.03	18.93	.1714	-.0015	-.0275	3.447	.0573
#2	341.1	77.31	42.84	18.85	.1726	-.0014	-.0275	3.449	.0562

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3172**	**5.296**	**.0286**	**.1435**	**132.7**	**-.0067**	**.4629**
Stddev	.0023	.019	.0011	.0008	.2	.0001	.0020
%RSD	.7259	.3637	3.789	.5456	.1643	1.151	.4323
#1	.3188	5.310	.0293	.1441	132.8	-.0067	.4644
#2	.3156	5.282	.0278	.1430	132.5	-.0066	.4615

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95605.**	**14489.**	**1707.7**	**5298.4**
Stddev	342.	.	1.2	2.2
%RSD	.35774	.00184	.07164	.04082
#1	95363.	14489.	1706.9	5296.9
#2	95847.	14489.	1708.6	5299.9

Zoom In Zoom Out

Sample Name: jb67744-2 Acquired: 5/31/2014 0:55:57 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5165**	**.0091**	**.0031**	**.1005**	**.3077**	**.1515**	**3.366**	**.2789**	**.0097**
Stddev	.0012	.0000	.0003	.0003	.0008	.0002	.004	.0006	.0002
%RSD	.2404	.2225	9.809	.2820	.2529	.1158	.1259	.1998	2.296
#1	.5174	.0091	.0033	.1003	.3072	.1513	3.363	.2793	.0095
#2	.5156	.0091	.0029	.1007	.3083	.1516	3.369	.2785	.0098

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3366**	**.7752**	**.1300**	**.0025**	**.2447**	**.0094**	**.0090**	**167.5**	**34.80**
Stddev	.0001	.0028	.0008	.0039	.0015	.0004	.0004	.5	.02
%RSD	.0237	.3660	.6325	157.9	.6236	3.892	4.708	.3127	.0468
#1	.3366	.7772	.1295	-.0003	.2437	.0096	.0087	167.8	34.81
#2	.3367	.7732	.1306	.0053	.2458	.0091	.0093	167.1	34.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**326.0**	**59.99**	**34.28**	**5.743**	**.1425**	**.0001**	**-.0239**	**2.384**	**.0342**
Stddev	.5	.09	.07	.016	.0005	.0003	.0004	.001	.0016
%RSD	.1565	.1434	.2156	.2839	.3826	274.1	1.595	.0306	4.777
#1	326.4	60.05	34.33	5.755	.1421	-.0001	-.0242	2.385	.0330
#2	325.7	59.93	34.23	5.732	.1429	.0003	-.0236	2.384	.0354

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2553**	**3.576**	**.0260**	**.1381**	**172.9**	**-.0054**	**.3562**
Stddev	.0007	.002	.0004	.0005	.7	.0003	.0021
%RSD	.2832	.0640	1.518	.3729	.3889	4.823	.5924
#1	.2558	3.574	.0263	.1384	173.4	-.0052	.3577
#2	.2548	3.578	.0258	.1377	172.4	-.0056	.3547

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94513.**	**14306.**	**1669.8**	**5340.8**
Stddev	25.	17.	.1	9.8
%RSD	.02637	.11752	.00827	.18397
#1	94496.	14294.	1669.9	5333.8
#2	94531.	14318.	1669.7	5347.7

Zoom In Zoom Out

Sample Name: jb67744-3 Acquired: 5/31/2014 1:02:02 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9086**	**.0129**	**.0036**	**.1263**	**.3989**	**.4362**	**3.268**	**.4443**	**.0086**
Stddev	.0021	.0000	.0002	.0002	.0004	.0007	.004	.0008	.0005
%RSD	.2335	.0952	6.402	.1249	.1036	.1636	.1141	.1739	5.356
#1	.9071	.0129	.0035	.1264	.3991	.4357	3.266	.4449	.0089
#2	.9101	.0129	.0038	.1262	.3986	.4367	3.271	.4438	.0083

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4663**	**1.150**	**.1300**	**.0004**	**1.946**	**.0119**	**.0099**	**238.6**	**28.93**
Stddev	.0020	.002	.0022	.0026	.004	.0000	.0020	.8	.08
%RSD	.4325	.1423	1.686	671.8	.1956	.0099	19.95	.3547	.2648
#1	.4648	1.151	.1315	-.0015	1.949	.0119	.0113	238.0	28.98
#2	.4677	1.148	.1284	.0022	1.944	.0119	.0085	239.2	28.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**342.9**	**80.38**	**45.25**	**20.44**	**.1752**	**.0024**	**-.0282**	**2.792**	**.0879**
Stddev	1.3	.38	.11	.07	.0000	.0002	.0005	.000	.0018
%RSD	.3847	.4729	.2383	.3385	.0079	8.389	1.909	.0044	2.045
#1	341.9	80.65	45.17	20.39	.1752	.0025	-.0286	2.792	.0891
#2	343.8	80.11	45.33	20.49	.1752	.0022	-.0278	2.792	.0866

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4782**	**5.291**	**.0281**	**.1409**	**123.9**	**-.0084**	**.4898**
Stddev	.0003	.001	.0008	.0002	.7	.0009	.0001
%RSD	.0537	.0138	2.942	.1163	.5665	10.12	.0160
#1	.4784	5.292	.0275	.1410	124.4	-.0090	.4897
#2	.4780	5.291	.0287	.1408	123.4	-.0078	.4899

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95490.**	**14528.**	**1708.7**	**5277.4**
Stddev	64.	1.	.1	2.8
%RSD	.06692	.00878	.00394	.05274
#1	95535.	14527.	1708.8	5275.4
#2	95444.	14528.	1708.7	5279.3

Zoom In Zoom Out

Sample Name: jb67744-4 Acquired: 5/31/2014 1:08:12 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4659**	**.0057**	**.0019**	**.0602**	**.1957**	**.0972**	**2.295**	**.1819**	**.0082**
Stddev	.0003	.0000	.0001	.0002	.0002	.0003	.006	.0002	.0001
%RSD	.0552	.7712	6.982	.2609	.0816	.3213	.2831	.1078	1.323
#1	.4657	.0057	.0018	.0603	.1958	.0975	2.290	.1818	.0083
#2	.4661	.0056	.0020	.0601	.1955	.0970	2.299	.1821	.0081

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2256**	**.4318**	**.0719**	**-.0128**	**.2066**	**.0279**	**.0057**	**109.6**	**533.0**
Stddev	.0013	.0018	.0010	.0027	.0017	.0019	.0002	.3	2.6
%RSD	.5753	.4195	1.430	21.05	.8105	6.774	3.289	.3099	.4788
#1	.2247	.4305	.0726	-.0147	.2054	.0266	.0055	109.4	534.8
#2	.2266	.4331	.0712	-.0109	.2078	.0293	.0058	109.8	531.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**191.6**	**37.72**	**22.11**	**11.05**	**.1076**	**.0113**	**-.0263**	**2.354**	**.0193**
Stddev	.0	.01	.05	.04	.0009	.0000	.0009	.014	.0007
%RSD	.0082	.0241	.2469	.3362	.8686	.3093	3.320	.5948	3.433
#1	191.6	37.72	22.08	11.02	.1069	.0113	-.0257	2.344	.0198
#2	191.6	37.71	22.15	11.08	.1083	.0114	-.0270	2.364	.0188

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.634**	**2.323**	**.0160**	**.0832**	**107.7**	**-.0030**	**.2480**
Stddev	.006	.006	.0005	.0002	.2	.0007	.0007
%RSD	.2485	.2443	2.949	.2845	.2288	23.62	.2896
#1	2.638	2.319	.0164	.0834	107.5	-.0025	.2475
#2	2.629	2.327	.0157	.0831	107.9	-.0035	.2485

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88379.**	**13834.**	**1577.1**	**4866.9**
Stddev	187.	64.	6.5	11.4
%RSD	.21207	.46434	.40994	.23467
#1	88512.	13880.	1581.7	4875.0
#2	88247.	13789.	1572.6	4858.8

Zoom In Zoom Out

Sample Name: jb67744-5 Acquired: 5/31/2014 1:14:23 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.388**	**.0036**	**.0024**	**.0594**	**.1006**	**.2714**	**1.383**	**.1774**	**.0079**
Stddev	.002	.0000	.0001	.0003	.0001	.0012	.005	.0001	.0000
%RSD	.1722	1.337	5.527	.4524	.1490	.4573	.3901	.0696	.3451
#1	1.390	.0036	.0025	.0596	.1005	.2722	1.387	.1773	.0079
#2	1.387	.0036	.0023	.0592	.1007	.2705	1.379	.1775	.0079

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1887**	**1.205**	**.1315**	**.0042**	**1.762**	**.0538**	**.0038**	**51.64**	**91.48**
Stddev	.0008	.001	.0021	.0009	.003	.0003	.0005	.03	.21
%RSD	.4085	.0839	1.590	21.27	.1560	.5338	14.03	.0628	.2260
#1	.1893	1.204	.1300	.0048	1.764	.0540	.0042	51.62	91.62
#2	.1882	1.206	.1329	.0036	1.760	.0536	.0035	51.66	91.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**123.1**	**14.68**	**8.273**	**2.687**	**.0275**	**.0132**	**-.0120**	**2.787**	**.2218**
Stddev	.4	.01	.019	.006	.0001	.0001	.0006	.002	.0006
%RSD	.2934	.0790	.2260	.2094	.3424	.5086	4.783	.0526	.2509
#1	123.3	14.67	8.286	2.691	.0276	.0132	-.0116	2.786	.2222
#2	122.8	14.69	8.260	2.683	.0274	.0133	-.0124	2.788	.2214

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4717**	**1.743**	**.0138**	**.0359**	**51.74**	**.0004**	**.0934**
Stddev	.0016	.006	.0000	.0001	.05	.0003	.0002
%RSD	.3484	.3575	.1309	.3155	.1040	67.77	.1959
#1	.4729	1.747	.0138	.0359	51.70	.0006	.0935
#2	.4705	1.738	.0138	.0360	51.78	.0002	.0932

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89980.**	**13689.**	**1616.1**	**5309.2**
Stddev	383.	14.	1.1	8.4
%RSD	.42579	.10116	.06872	.15734
#1	89709.	13679.	1616.9	5303.3
#2	90251.	13699.	1615.3	5315.1

Zoom In Zoom Out

Sample Name: jb67744-8 Acquired: 5/31/2014 1:20:31 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5475**	**.0097**	**.0020**	**.0962**	**.3307**	**.1912**	**2.816**	**.3275**	**.0077**
Stddev	.0003	.0000	.0001	.0001	.0015	.0001	.008	.0005	.0001
%RSD	.0638	.1313	5.285	.0868	.4525	.0719	.2766	.1542	1.811
#1	.5477	.0097	.0021	.0962	.3296	.1913	2.810	.3272	.0078
#2	.5472	.0097	.0019	.0963	.3317	.1911	2.821	.3279	.0076

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4034**	**.6896**	**.1070**	**.0061**	**.3643**	**.0066**	**.0086**	**187.8**	**26.49**
Stddev	.0004	.0003	.0010	.0008	.0005	.0027	.0025	.0	.08
%RSD	.0965	.0457	.9550	12.84	.1345	40.42	29.50	.0146	.2912
#1	.4037	.6898	.1077	.0066	.3639	.0085	.0104	187.8	26.55
#2	.4031	.6894	.1062	.0055	.3646	.0047	.0068	187.8	26.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**294.6**	**65.93**	**39.80**	**9.101**	**.1770**	**.0284**	**-.0227**	**1.881**	**.0271**
Stddev	.8	.23	.02	.022	.0010	.0000	.0007	.004	.0004
%RSD	.2833	.3490	.0497	.2407	.5456	.1235	3.072	.2139	1.571
#1	295.2	66.09	39.81	9.117	.1763	.0284	-.0232	1.878	.0274
#2	294.0	65.77	39.78	9.086	.1777	.0284	-.0222	1.884	.0268

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3432**	**4.404**	**.0237**	**.1317**	**174.5**	**-.0068**	**.3874**
Stddev	.0005	.006	.0036	.0003	.2	.0006	.0005
%RSD	.1512	.1437	15.01	.2040	.0962	8.982	.1241
#1	.3435	4.400	.0262	.1319	174.3	-.0072	.3877
#2	.3428	4.408	.0212	.1315	174.6	-.0063	.3871

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93623.**	**14090.**	**1662.5**	**5291.4**
Stddev	13.	48.	2.5	3.3
%RSD	.01378	.34111	.15199	.06181
#1	93614.	14056.	1664.3	5289.1
#2	93632.	14124.	1660.7	5293.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/31/2014 1:26:37 Type: QC
Method: Accutest1(v93) 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	**2.053**	**2.027**	**1.988**	**1.973**	**2.014**	**1.980**	**2.045**	**2.001**	**.2456**
Stddev	.003	.001	.005	.002	.003	.002	.005	.002	.0003
%RSD	.1515	.0557	.2635	.0994	.1529	.0798	.2383	.1073	.1380
#1	2.051	2.028	1.984	1.974	2.012	1.979	2.041	2.002	.2458
#2	2.056	2.026	1.992	1.972	2.017	1.981	2.048	1.999	.2453
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	**2.003**	**1.992**	**2.004**	**2.112**	**1.986**	**2.009**	**1.980**	**40.27**	**39.46**
Stddev	.006	.004	.008	.008	.002	.009	.002	.05	.04
%RSD	.2881	.2231	.3778	.3590	.1074	.4215	.1133	.1240	.0954
#1	1.998	1.995	1.999	2.106	1.988	2.004	1.978	40.23	39.49
#2	2.007	1.989	2.010	2.117	1.985	2.015	1.981	40.30	39.43
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	**39.83**	**39.15**	**41.44**	**40.77**	**2.016**	**2.006**	**1.974**	**5.000**	**2.042**
Stddev	.01	.11	.03	.04	.007	.004	.004	.008	.004
%RSD	.0159	.2905	.0769	.1051	.3593	.2049	.1895	.1568	.1787
#1	39.84	39.23	41.47	40.74	2.011	2.003	1.971	4.994	2.039
#2	39.83	39.07	41.42	40.80	2.021	2.008	1.977	5.005	2.045
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: 5/31/2014 1:26:37 Type: QC
Method: Accutest1(v93) 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	**2.032**	**2.017**	**1.949**	**2.028**	**2.022**	**1.988**	**2.067**
Stddev	.004	.003	.017	.003	.012	.008	.004
%RSD	.1795	.1525	.8445	.1485	.5703	.4085	.1882
#1	2.029	2.015	1.938	2.026	2.014	1.982	2.064
#2	2.034	2.019	1.961	2.031	2.031	1.993	2.070
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	**88406.**	**13046.**	**1557.2**	**5148.1**
Stddev	198.	33.	4.9	3.9
%RSD	.22421	.25085	.31216	.07662
#1	88546.	13023.	1560.6	5150.8
#2	88266.	13069.	1553.7	5145.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 1:32:40 Type: QC
Method: Accutest1(v93) 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	**.0016**	F **.0012**	F **.0013**	**.0011**	F **.0017**	**.0013**	F **.0021**	F **.0013**	**.0003**
Stddev	.0000	.0002	.0002	.0001	.0001	.0003	.0000	.0004	.0003
%RSD	.5349	13.88	15.54	9.684	7.145	21.23	.7136	32.43	84.64
#1	.0016	.0011	.0014	.0012	.0016	.0015	.0021	.0016	.0001
#2	.0016	.0013	.0011	.0011	.0017	.0011	.0021	.0010	.0005
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit		.0010	.0006		.0012		.0015	.0010	
Low Limit		-.0010	-.0006		-.0012		-.0015	-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0001**	**.0011**	F **.0025**	**.0025**	**.0010**	**.0015**	**.0285**	**.0228**
Stddev	.0000	.0000	.0005	.0013	.0013	.0007	.0006	.0077	.0066
%RSD	.7635	50.70	50.51	52.52	51.09	69.57	37.62	27.02	28.87
#1	.0021	.0000	.0014	.0034	.0034	.0015	.0019	.0231	.0182
#2	.0022	.0001	.0007	.0016	.0016	.0005	.0011	.0340	.0275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	F **.0319**	**.0352**	**.0567**	**.0204**	**.0030**	F **.0033**	**.0027**	**.0095**	**.0011**
Stddev	.0070	.0032	.0338	.0016	.0004	.0006	.0002	.0006	.0007
%RSD	21.85	9.083	59.62	7.954	14.05	17.73	9.198	5.896	61.97
#1	.0269	.0330	.0328	.0193	.0033	.0038	.0029	.0099	.0016
#2	.0368	.0375	.0806	.0216	.0027	.0029	.0025	.0091	.0006
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 1:32:40 Type: QC
Method: Accutest1(v93) 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	F **.0013**	F **.0022**	F **.0251**	F **.0024**	**.0056**	**.0016**	F **.0028**
Stddev	.0002	.0002	.0018	.0000	.0009	.0007	.0006
%RSD	15.98	8.908	7.284	.7820	15.88	41.54	20.38
#1	.0011	.0020	.0264	.0024	.0063	.0021	.0024
#2	.0014	.0023	.0238	.0024	.0050	.0011	.0032
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	.0010	.0010	.0123	.0010			.0020
Low Limit	-.0010	-.0010	-.0123	-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94083.**	**13423.**	**1625.8**	**5604.9**
Stddev	79.	42.	4.6	17.5
%RSD	.08353	.31364	.28144	.31303
#1	94139.	13393.	1622.6	5592.5
#2	94028.	13452.	1629.1	5617.3

Zoom In Zoom Out

Sample Name: jb67744-9 Acquired: 5/31/2014 1:38:58 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9018**	**.0137**	**.0033**	**.1375**	**.4499**	**.3079**	**3.517**	**.4786**	**.0084**
Stddev	.0014	.0000	.0003	.0005	.0034	.0016	.025	.0000	.0008
%RSD	.1548	.2576	10.15	.3808	.7636	.5256	.7095	.0060	9.459
#1	.9028	.0137	.0035	.1371	.4474	.3068	3.499	.4786	.0078
#2	.9009	.0137	.0030	.1378	.4523	.3091	3.534	.4786	.0090

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5499**	**1.019**	**.1853**	**-.0005**	**.7454**	**.0129**	**.0114**	**246.4**	**40.39**
Stddev	.0035	.001	.0012	.0047	.0004	.0045	.0005	.2	.07
%RSD	.6406	.0688	.6659	872.9	.0565	34.63	4.382	.0676	.1611
#1	.5474	1.019	.1862	-.0039	.7451	.0097	.0117	246.3	40.34
#2	.5523	1.020	.1844	.0028	.7457	.0160	.0110	246.5	40.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**389.5**	**91.94**	**52.58**	**12.75**	**.2386**	**.0444**	**-.0312**	**1.762**	**.0460**
Stddev	5.5	.16	.00	.02	.0005	.0004	.0010	.004	.0010
%RSD	1.418	.1689	.0088	.1298	.2116	1.001	3.139	.2326	2.146
#1	385.6	91.83	52.57	12.76	.2389	.0447	-.0305	1.764	.0453
#2	393.4	92.05	52.58	12.74	.2382	.0440	-.0319	1.759	.0467

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6362**	**5.985**	**.0379**	**.1863**	**238.2**	**-.0098**	**.5317**
Stddev	.0001	.034	.0008	.0008	.4	.0012	.0005
%RSD	.0200	.5666	2.082	.4535	.1695	12.22	.0859
#1	.6363	5.961	.0374	.1857	238.5	-.0090	.5314
#2	.6361	6.009	.0385	.1869	237.9	-.0107	.5320

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96583.**	**14547.**	**1673.0**	**5229.8**
Stddev	432.	21.	1.5	2.8
%RSD	.44757	.14293	.08875	.05437
#1	96888.	14561.	1672.0	5231.8
#2	96277.	14532.	1674.1	5227.8

Zoom In Zoom Out

Sample Name: jb67744-10 Acquired: 5/31/2014 1:45:12 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.077**	**.0077**	**.0014**	**.0716**	**.3297**	**.2103**	**2.463**	**.2652**	**.0086**
Stddev	.003	.0000	.0001	.0003	.0014	.0000	.006	.0003	.0004
%RSD	.2821	.2295	4.697	.4130	.4314	.0230	.2571	.1023	4.108
#1	1.079	.0077	.0014	.0718	.3287	.2103	2.459	.2654	.0083
#2	1.075	.0077	.0013	.0714	.3307	.2102	2.468	.2650	.0088

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4074**	**.6404**	**.0886**	**.0039**	**.5077**	**.0098**	**.0059**	**171.4**	**35.65**
Stddev	.0009	.0002	.0024	.0007	.0003	.0047	.0012	.4	.18
%RSD	.2214	.0377	2.746	17.31	.0558	48.02	21.18	.2435	.5160
#1	.4068	.6406	.0869	.0044	.5075	.0065	.0067	171.7	35.52
#2	.4080	.6403	.0904	.0034	.5079	.0132	.0050	171.1	35.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**291.8**	**59.04**	**35.90**	**6.615**	**.1692**	**.0057**	**-.0217**	**2.156**	**.0414**
Stddev	.9	.27	.04	.026	.0011	.0002	.0000	.007	.0015
%RSD	.3075	.4545	.1210	.3934	.6421	4.205	.1427	.3461	3.698
#1	291.2	58.85	35.93	6.633	.1699	.0056	-.0217	2.162	.0425
#2	292.5	59.23	35.87	6.597	.1684	.0059	-.0217	2.151	.0403

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5870**	**4.282**	**.0289**	**.1221**	**47.94**	**-.0080**	**.3572**
Stddev	.0003	.001	.0023	.0000	.01	.0007	.0022
%RSD	.0459	.0275	7.844	.0162	.0279	9.401	.6204
#1	.5872	4.281	.0305	.1221	47.95	-.0085	.3588
#2	.5868	4.282	.0273	.1221	47.93	-.0074	.3557

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95054.**	**14197.**	**1669.5**	**5331.1**
Stddev	134.	70.	5.6	2.0
%RSD	.14127	.49111	.33357	.03715
#1	95149.	14247.	1665.5	5329.7
#2	94959.	14148.	1673.4	5332.5

Zoom In Zoom Out

Sample Name: jb67744-12 Acquired: 5/31/2014 1:51:19 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.213**	**.0048**	**.0022**	**.0759**	**.1067**	**.4327**	**1.373**	**.1533**	**.0053**
Stddev	.003	.0001	.0002	.0007	.0004	.0025	.002	.0005	.0001
%RSD	.2291	1.647	7.394	.9688	.3653	.5854	.1532	.2960	1.029
#1	1.211	.0048	.0020	.0754	.1070	.4309	1.375	.1530	.0053
#2	1.215	.0049	.0023	.0764	.1064	.4345	1.372	.1536	.0054

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1735**	**.8427**	**.0918**	**-.0024**	**1.720**	**.0212**	**.0036**	**52.73**	**189.1**
Stddev	.0001	.0002	.0005	.0008	.001	.0036	.0003	.13	1.1
%RSD	.0516	.0209	.5413	33.92	.0338	17.23	8.407	.2427	.6076
#1	.1735	.8428	.0921	-.0018	1.721	.0237	.0038	52.64	188.3
#2	.1734	.8426	.0914	-.0030	1.720	.0186	.0034	52.82	189.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**94.28**	**27.26**	**7.384**	**4.532**	**.0377**	**.0117**	**-.0147**	**3.393**	**.1032**
Stddev	.48	.14	.011	.008	.0003	.0001	.0002	.001	.0006
%RSD	.5069	.5237	.1417	.1843	.7755	.8724	1.623	.0157	.6118
#1	93.94	27.16	7.377	4.526	.0375	.0118	-.0149	3.393	.1037
#2	94.62	27.36	7.392	4.538	.0379	.0117	-.0145	3.392	.1028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.019**	**1.597**	**.0154**	**.0440**	**22.05**	**-.0025**	**.0839**
Stddev	.001	.002	.0018	.0001	.15	.0025	.0002
%RSD	.0749	.1003	11.75	.3368	.6593	97.84	.2709
#1	1.018	1.596	.0167	.0438	21.94	-.0043	.0840
#2	1.020	1.598	.0141	.0441	22.15	-.0008	.0837

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90030.**	**13600.**	**1589.4**	**5095.0**
Stddev	204.	109.	1.5	17.7
%RSD	.22619	.80109	.09735	.34785
#1	90174.	13677.	1590.5	5107.6
#2	89886.	13523.	1588.3	5082.5

Zoom In Zoom Out

Sample Name: jb67744-13 Acquired: 5/31/2014 1:57:29 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4315**	**.0105**	**.0032**	**.1005**	**.3006**	**.1612**	**2.599**	**.2777**	**.0077**
Stddev	.0131	.0004	.0004	.0003	.0011	.0017	.004	.0006	.0025
%RSD	3.030	3.599	11.63	.3406	.3751	1.051	.1347	.2211	32.39
#1	.4407	.0108	.0030	.1002	.3013	.1624	2.602	.2772	.0095
#2	.4223	.0102	.0035	.1007	.2998	.1600	2.597	.2781	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5147**	**.6464**	**.0699**	**.0079**	**.2599**	**.0116**	**.0081**	**192.4**	**42.58**
Stddev	.0008	.0005	.0007	.0030	.0007	.0008	.0008	6.3	1.37
%RSD	.1460	.0818	.9571	37.91	.2797	6.729	9.882	3.254	3.219
#1	.5142	.6460	.0694	.0100	.2604	.0121	.0076	196.8	43.55
#2	.5152	.6468	.0703	.0058	.2594	.0110	.0087	188.0	41.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**264.0**	**65.15**	**40.26**	**23.38**	**.3190**	**.1937**	**-.0209**	**1.560**	**.0215**
Stddev	8.6	2.02	1.26	.73	.0004	.0008	.0009	.001	.0010
%RSD	3.272	3.093	3.131	3.123	.1368	.3883	4.220	.0356	4.732
#1	270.1	66.57	41.15	23.89	.3187	.1932	-.0216	1.560	.0207
#2	257.9	63.72	39.36	22.86	.3193	.1942	-.0203	1.560	.0222

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4151**	**3.153**	**.0245**	**.1345**	**230.4**	**-.0058**	**.4981**
Stddev	.0140	.004	.0003	.0009	.7	.0002	.0164
%RSD	3.372	.1242	1.296	.6897	.2839	3.290	3.283
#1	.4250	3.156	.0247	.1352	230.0	-.0059	.5097
#2	.4052	3.151	.0242	.1339	230.9	-.0057	.4866

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94303.**	**14069.**	**1669.3**	**5202.5**
Stddev	6.	372.	3.3	10.8
%RSD	.00592	2.6455	.19923	.20796
#1	94307.	13805.	1671.7	5210.2
#2	94299.	14332.	1667.0	5194.9

Zoom In Zoom Out

Sample Name: jb67744-14 Acquired: 5/31/2014 2:03:34 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6026**	**.0099**	**.0030**	**.1207**	**.2893**	**.1673**	**2.846**	**.3144**	**.0063**
Stddev	.0070	.0001	.0003	.0015	.0002	.0004	.003	.0016	.0006
%RSD	1.157	.5661	9.641	1.238	.0617	.2670	.1026	.4988	9.989
#1	.5977	.0099	.0032	.1217	.2892	.1670	2.848	.3155	.0058
#2	.6076	.0099	.0028	.1196	.2895	.1676	2.844	.3133	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4251**	**.6362**	**.1272**	**.0036**	**.4062**	**.0086**	**.0053**	**177.1**	**32.84**
Stddev	.0002	.0053	.0011	.0027	.0036	.0014	.0000	2.3	.46
%RSD	.0397	.8252	.8471	74.60	.8804	16.00	.1833	1.298	1.406
#1	.4250	.6400	.1279	.0017	.4088	.0076	.0054	175.5	32.51
#2	.4253	.6325	.1264	.0055	.4037	.0095	.0053	178.7	33.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**261.1**	**54.07**	**33.43**	**7.467**	**.1615**	**.0399**	**-.0218**	**1.563**	**.0235**
Stddev	3.3	.75	.40	.084	.0002	.0004	.0001	.007	.0017
%RSD	1.278	1.388	1.191	1.121	.1120	1.029	.4988	.4515	7.097
#1	258.8	53.54	33.15	7.408	.1617	.0402	-.0219	1.568	.0246
#2	263.5	54.60	33.71	7.526	.1614	.0396	-.0218	1.558	.0223

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3241**	**3.369**	**.0226**	**.1191**	**137.8**	**-.0056**	**.4232**
Stddev	.0035	.001	.0001	.0003	.9	.0003	.0031
%RSD	1.065	.0388	.5584	.2263	.6171	5.469	.7266
#1	.3217	3.368	.0225	.1193	138.4	-.0058	.4211
#2	.3266	3.370	.0227	.1189	137.2	-.0053	.4254

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95568.**	**14356.**	**1693.7**	**5292.3**
Stddev	109.	230.	3.5	24.2
%RSD	.11364	1.6039	.20834	.45689
#1	95644.	14519.	1691.2	5275.2
#2	95491.	14193.	1696.2	5309.4

Zoom In Zoom Out

Sample Name: jb67744-15 Acquired: 5/31/2014 2:09:41 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6378**	**.0079**	**.0014**	**.0780**	**.3193**	**.2104**	**2.220**	**.3037**	**.0073**
Stddev	.0006	.0000	.0001	.0003	.0009	.0001	.004	.0007	.0000
%RSD	.1010	.5593	8.642	.3947	.2725	.0488	.1738	.2461	.6255
#1	.6383	.0080	.0015	.0778	.3199	.2103	2.222	.3043	.0072
#2	.6374	.0079	.0013	.0782	.3187	.2104	2.217	.3032	.0073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3820**	**.5949**	**.0845**	**.0023**	**.4575**	**.0061**	**.0054**	**156.7**	**33.57**
Stddev	.0009	.0009	.0004	.0004	.0013	.0049	.0001	.2	.08
%RSD	.2420	.1547	.4778	18.77	.2751	79.22	2.162	.1124	.2296
#1	.3827	.5943	.0848	.0026	.4566	.0096	.0055	156.8	33.52
#2	.3813	.5956	.0842	.0020	.4584	.0027	.0053	156.6	33.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**244.1**	**53.42**	**33.07**	**7.716**	**.1619**	**.0347**	**-.0195**	**1.834**	**.0335**
Stddev	.1	.11	.01	.012	.0009	.0001	.0004	.002	.0003
%RSD	.0319	.1999	.0271	.1551	.5822	.3797	1.846	.0851	1.042
#1	244.0	53.35	33.07	7.725	.1613	.0348	-.0198	1.835	.0337
#2	244.1	53.50	33.08	7.708	.1626	.0346	-.0193	1.833	.0332

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5330**	**4.193**	**.0211**	**.1154**	**110.5**	**-.0083**	**.3414**
Stddev	.0010	.004	.0001	.0002	.0	.0001	.0014
%RSD	.1857	.0957	.2774	.2089	.0132	.8225	.3958
#1	.5323	4.196	.0211	.1153	110.5	-.0083	.3404
#2	.5337	4.191	.0210	.1156	110.5	-.0084	.3423

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94097.**	**13940.**	**1647.0**	**5283.8**
Stddev	5.	3.	.2	.9
%RSD	.00514	.02354	.01235	.01667
#1	94094.	13937.	1647.2	5284.4
#2	94101.	13942.	1646.9	5283.2

Zoom In Zoom Out

Sample Name: jb67854-1 Acquired: 5/31/2014 2:15:49 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8796**	**.0017**	**.0048**	**.0254**	**.1706**	**.1922**	**1.720**	**.0762**	**.0057**
Stddev	.0030	.0000	.0002	.0006	.0034	.0023	.026	.0000	.0002
%RSD	.3400	1.376	4.973	2.318	1.974	1.214	1.540	.0554	4.190
#1	.8775	.0017	.0047	.0250	.1730	.1938	1.739	.0762	.0055
#2	.8817	.0017	.0050	.0258	.1682	.1905	1.701	.0762	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1220**	**1.160**	**.0180**	**-.0080**	**.7029**	**.0152**	**.0828**	**43.09**	**363.3**
Stddev	.0011	.008	.0012	.0001	.0063	.0003	.0013	.09	.2
%RSD	.9094	.6671	6.646	1.570	.8916	1.758	1.520	.2013	.0626
#1	.1228	1.154	.0188	-.0079	.6985	.0150	.0819	43.03	363.1
#2	.1212	1.165	.0171	-.0081	.7074	.0154	.0837	43.15	363.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**79.95**	**79.23**	**3.692**	**10.83**	**.0360**	**.0378**	**-.0152**	**3.625**	**.0795**
Stddev	.42	.46	.004	.03	.0007	.0005	.0001	.034	.0013
%RSD	.5272	.5831	.1065	.2904	1.962	1.247	.6210	.9257	1.614
#1	79.66	78.90	3.689	10.81	.0355	.0375	-.0151	3.601	.0786
#2	80.25	79.55	3.695	10.86	.0365	.0381	-.0153	3.648	.0804

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9767**	**2.532**	**.0120**	**.0452**	**3.161**	**.0020**	**.0419**
Stddev	.0028	.037	.0004	.0003	.023	.0004	.0003
%RSD	.2832	1.460	3.380	.7715	.7273	18.18	.6037
#1	.9748	2.558	.0117	.0454	3.145	.0018	.0417
#2	.9787	2.506	.0123	.0449	3.178	.0023	.0421

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90243.**	**13414.**	**1517.9**	**4840.8**
Stddev	1028.	88.	13.5	44.6
%RSD	1.1395	.65236	.88942	.92222
#1	89515.	13476.	1527.4	4872.3
#2	90970.	13352.	1508.3	4809.2

Zoom In Zoom Out

Sample Name: jb67854-2 Acquired: 5/31/2014 2:22:04 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7039**	**.0016**	**.0035**	**.0159**	**.2855**	**.1448**	**1.275**	**.0521**	**.0050**
Stddev	.0014	.0000	.0002	.0000	.0005	.0002	.002	.0008	.0000
%RSD	.1992	2.791	6.640	.2857	.1892	.1650	.1626	1.498	.0562
#1	.7049	.0016	.0033	.0159	.2851	.1446	1.274	.0526	.0050
#2	.7029	.0015	.0037	.0159	.2859	.1449	1.277	.0515	.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0950**	**.9288**	**.0149**	**-.0076**	**1.179**	**.0145**	**.0313**	**35.79**	**351.1**
Stddev	.0007	.0019	.0002	.0015	.003	.0026	.0012	.04	1.6
%RSD	.7564	.2021	1.365	20.01	.2396	18.23	3.896	.1112	.4534
#1	.0945	.9301	.0148	-.0065	1.177	.0126	.0304	35.82	352.3
#2	.0955	.9274	.0151	-.0087	1.181	.0163	.0321	35.76	350.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.50**	**35.41**	**3.329**	**9.953**	**.0322**	**.0437**	**-.0141**	**3.186**	**.0626**
Stddev	.11	.11	.013	.030	.0003	.0001	.0004	.001	.0001
%RSD	.2333	.3160	.4003	.3053	.9463	.1339	2.993	.0446	.1756
#1	48.58	35.49	3.339	9.974	.0319	.0437	-.0144	3.187	.0627
#2	48.42	35.33	3.320	9.931	.0324	.0436	-.0138	3.185	.0625

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.124**	**1.901**	**.0098**	**.0393**	**3.669**	**.0005**	**.0405**
Stddev	.003	.004	.0008	.0001	.003	.0002	.0010
%RSD	.2260	.2319	7.695	.1566	.0878	29.52	2.354
#1	1.126	1.898	.0103	.0392	3.667	.0004	.0398
#2	1.122	1.905	.0093	.0393	3.671	.0006	.0412

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87271.**	**13201.**	**1533.7**	**4863.7**
Stddev	179.	14.	1.3	3.5
%RSD	.20510	.10605	.08653	.07215
#1	87397.	13211.	1532.8	4861.2
#2	87144.	13191.	1534.7	4866.2

Zoom In Zoom Out

Sample Name: jb67854-3 Acquired: 5/31/2014 2:28:18 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.551**	**.0020**	**.0055**	**.0218**	**.5110**	**.1920**	**1.638**	**.0709**	**.0060**
Stddev	.005	.0000	.0002	.0002	.0010	.0000	.005	.0002	.0003
%RSD	.1915	2.367	2.957	1.013	.2037	.0080	.2834	.3475	4.393
#1	2.554	.0019	.0056	.0216	.5102	.1920	1.635	.0708	.0058
#2	2.547	.0020	.0054	.0219	.5117	.1920	1.642	.0711	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1101**	**1.314**	**.0175**	**-.0124**	**2.249**	**.0174**	**.0407**	**44.76**	**427.0**
Stddev	.0002	.004	.0020	.0022	.002	.0020	.0010	.08	5.2
%RSD	.1677	.3059	11.33	17.81	.1047	11.44	2.553	.1747	1.228
#1	.1099	1.311	.0161	-.0139	2.247	.0188	.0399	44.82	430.7
#2	.1102	1.317	.0189	-.0108	2.250	.0160	.0414	44.71	423.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**73.04**	**44.32**	**3.967**	**8.854**	**.0345**	**.0798**	**-.0157**	**2.887**	**.0810**
Stddev	.45	.24	.000	.025	.0001	.0000	.0001	.005	.0007
%RSD	.6225	.5324	.0108	.2779	.4274	.0068	.6851	.1781	.8083
#1	73.37	44.48	3.967	8.871	.0346	.0798	-.0156	2.891	.0814
#2	72.72	44.15	3.967	8.836	.0344	.0799	-.0157	2.884	.0805

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.215**	**2.159**	**.0128**	**.0384**	**4.510**	**.0017**	**.0548**
Stddev	.005	.003	.0016	.0003	.006	.0001	.0001
%RSD	.3863	.1208	12.83	.6591	.1324	3.153	.1183
#1	1.218	2.158	.0117	.0382	4.505	.0017	.0548
#2	1.212	2.161	.0140	.0385	4.514	.0017	.0548

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88090.**	**13347.**	**1551.3**	**4850.5**
Stddev	229.	80.	3.0	3.3
%RSD	.26015	.60166	.19246	.06801
#1	88252.	13290.	1549.2	4848.2
#2	87928.	13404.	1553.4	4852.9

Zoom In Zoom Out

Sample Name: jb67898-1 Acquired: 5/31/2014 2:34:31 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.758**	**.0034**	**.0017**	**.0441**	**.0906**	**.1786**	**1.999**	**.1073**	**.0052**
Stddev	.001	.0001	.0002	.0004	.0002	.0002	.003	.0003	.0005
%RSD	.0596	1.906	10.54	.9119	.1657	.1193	.1491	.2377	8.634
#1	1.759	.0034	.0016	.0444	.0907	.1788	2.001	.1071	.0055
#2	1.757	.0033	.0019	.0438	.0905	.1785	1.997	.1075	.0049

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1570**	**.4902**	**.0644**	**-.0020**	**.8987**	**.0171**	**.0035**	**43.75**	**176.6**
Stddev	.0007	.0010	.0013	.0007	.0024	.0034	.0006	.11	.5
%RSD	.4483	.2075	2.027	33.99	.2694	19.70	15.79	.2417	.2692
#1	.1575	.4909	.0634	-.0025	.9004	.0195	.0032	43.83	176.9
#2	.1565	.4895	.0653	-.0015	.8970	.0148	.0039	43.68	176.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**109.6**	**28.38**	**9.389**	**2.486**	**.0266**	**.0050**	**-.0123**	**3.028**	**.0840**
Stddev	.2	.06	.016	.004	.0001	.0002	.0002	.000	.0009
%RSD	.2250	.2200	.1650	.1484	.5458	4.142	1.302	.0049	1.090
#1	109.8	28.43	9.400	2.488	.0265	.0051	-.0124	3.028	.0834
#2	109.5	28.34	9.378	2.483	.0267	.0048	-.0122	3.028	.0847

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3204**	**2.664**	**.0113**	**.0377**	**16.65**	**-.0029**	**.0868**
Stddev	.0004	.004	.0001	.0001	.03	.0007	.0003
%RSD	.1149	.1619	.9885	.1373	.1929	24.82	.3817
#1	.3201	2.667	.0113	.0377	16.63	-.0024	.0871
#2	.3207	2.661	.0114	.0376	16.67	-.0034	.0866

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90086.**	**13450.**	**1591.8**	**5171.3**
Stddev	123.	48.	.5	5.2
%RSD	.13616	.35885	.03429	.10055
#1	89999.	13415.	1592.2	5167.6
#2	90173.	13484.	1591.4	5175.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/31/2014 2:40:41 Type: QC
Method: Accutest1(v93) 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	**2.058**	**2.025**	**1.985**	**1.977**	**2.028**	**1.967**	**2.052**	**2.003**	**.2461**
Stddev	.001	.001	.009	.007	.008	.007	.001	.008	.0010
%RSD	.0321	.0672	.4344	.3777	.4026	.3353	.0372	.3855	.3973
#1	2.059	2.024	1.979	1.971	2.034	1.963	2.053	1.998	.2454
#2	2.058	2.026	1.991	1.982	2.022	1.972	2.052	2.009	.2468
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**	**2.000**	**1.996**	**2.099**	**1.994**	**2.009**	**1.982**	**40.00**	**39.95**
Stddev	.001	.009	.009	.003	.005	.003	.008	.02	.03
%RSD	.0726	.4470	.4579	.1579	.2404	.1497	.3917	.0389	.0668
#1	1.995	1.993	1.990	2.097	1.991	2.006	1.977	39.98	39.97
#2	1.997	2.006	2.003	2.102	1.997	2.011	1.988	40.01	39.93
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	**40.26**	**39.67**	**41.42**	**40.72**	**2.011**	**2.011**	**1.967**	**4.996**	**2.038**
Stddev	.05	.03	.01	.01	.010	.009	.005	.024	.011
%RSD	.1163	.0679	.0235	.0364	.4834	.4284	.2701	.4775	.5419
#1	40.30	39.69	41.42	40.73	2.004	2.005	1.963	4.979	2.030
#2	40.23	39.65	41.43	40.71	2.018	2.017	1.971	5.013	2.046
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: 5/31/2014 2:40:41 Type: QC
Method: Accutest1(v93) 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	**2.056**	**2.021**	**1.951**	**2.035**	**2.012**	**1.984**	**2.071**
Stddev	.003	.001	.021	.001	.010	.014	.002
%RSD	.1247	.0258	1.051	.0427	.4857	.6809	.0715
#1	2.058	2.021	1.936	2.034	2.005	1.975	2.070
#2	2.054	2.022	1.965	2.035	2.019	1.994	2.072
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	**88751.**	**12990.**	**1562.3**	**5149.8**
Stddev	31.	1.	6.5	18.4
%RSD	.03507	.00858	.41380	.35817
#1	88773.	12989.	1566.9	5162.8
#2	88729.	12991.	1557.7	5136.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 2:46:44 Type: QC
Method: Accutest1(v93) 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	**.0010**	**.0008**	F **.0013**	**.0011**	**.0007**	**.0009**	**.0013**	F **.0012**	**-.0001**
Stddev	.0001	.0002	.0000	.0001	.0002	.0002	.0000	.0003	.0002
%RSD	4.916	19.43	.9425	5.032	30.33	21.62	3.925	27.96	244.2
#1	.0010	.0007	.0013	.0011	.0005	.0008	.0012	.0010	.0001
#2	.0011	.0009	.0013	.0012	.0008	.0011	.0013	.0015	-.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0001**	**.0014**	**.0009**	**.0005**	**.0013**	**.0016**	**.0265**	**.0135**
Stddev	.0001	.0002	.0001	.0002	.0002	.0012	.0001	.0030	.0056
%RSD	6.370	187.1	7.705	18.39	41.29	88.06	8.845	11.33	41.36
#1	.0012	.0000	.0015	.0008	.0003	.0021	.0017	.0244	.0096
#2	.0011	-.0002	.0014	.0010	.0006	.0005	.0015	.0286	.0175
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 **.0253**	**.0304**	**.0285**	**.0122**	**.0030**	F **.0030**	**.0008**	**.0097**	**.0013**
Stddev	.0022	.0012	.0155	.0017	.0004	.0005	.0001	.0008	.0003
%RSD	8.642	3.915	54.22	13.79	12.66	17.84	15.78	7.929	20.78
#1	.0237	.0295	.0176	.0110	.0033	.0034	.0007	.0091	.0015
#2	.0268	.0312	.0395	.0134	.0028	.0026	.0009	.0102	.0012
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 2:46:44 Type: QC
Method: Accutest1(v93) 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	**.0009**	F **.0014**	F **.0239**	F **.0020**	F **.0062**	F **.0024**	F **.0023**
Stddev	.0002	.0001	.0018	.0001	.0004	.0002	.0013
%RSD	17.67	7.415	7.452	5.262	6.523	9.365	55.57
#1	.0008	.0015	.0251	.0019	.0059	.0022	.0014
#2	.0010	.0013	.0226	.0021	.0065	.0026	.0032
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		.0010	.0123	.0010	.0057	.0021	.0020
Low Limit		-.0010	-.0123	-.0010	-.0057	-.0021	-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94736.**	**13400.**	**1647.6**	**5664.2**
Stddev	238.	44.	4.9	17.7
%RSD	.25078	.33087	.29464	.31270
#1	94904.	13432.	1644.1	5651.7
#2	94568.	13369.	1651.0	5676.7

Zoom In Zoom Out

Sample Name: jb67898-2 Acquired: 5/31/2014 2:53:02 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2803**	**.0032**	**.0004**	**.0322**	**.1934**	**.1088**	**1.688**	**.1038**	**.0075**
Stddev	.0003	.0000	.0000	.0002	.0004	.0004	.002	.0003	.0001
%RSD	.1214	1.354	10.14	.6171	.2275	.3350	.0969	.3257	1.809
#1	.2800	.0031	.0005	.0320	.1931	.1086	1.687	.1035	.0074
#2	.2805	.0032	.0004	.0323	.1937	.1091	1.689	.1040	.0076

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2288**	**.2693**	**.0509**	**-.0005**	**.0986**	**.0105**	**.0040**	**91.24**	**16.94**
Stddev	.0004	.0009	.0013	.0011	.0009	.0009	.0002	.21	.08
%RSD	.1951	.3219	2.582	238.1	.9182	8.539	5.090	.2302	.4734
#1	.2285	.2686	.0499	.0003	.0993	.0112	.0039	91.09	17.00
#2	.2291	.2699	.0518	-.0012	.0980	.0099	.0042	91.39	16.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**237.8**	**31.42**	**22.57**	**3.605**	**.1239**	**-.0008**	**-.0145**	**3.959**	**.0176**
Stddev	.7	.15	.01	.007	.0003	.0002	.0003	.008	.0007
%RSD	.2816	.4750	.0301	.1872	.2427	22.32	2.155	.2014	3.803
#1	238.2	31.53	22.56	3.601	.1241	-.0007	-.0143	3.953	.0172
#2	237.3	31.32	22.57	3.610	.1237	-.0010	-.0147	3.965	.0181

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1556**	**2.565**	**.0289**	**.0809**	**14.57**	**-.0040**	**.1686**
Stddev	.0005	.000	.0019	.0003	.06	.0013	.0002
%RSD	.3493	.0107	6.536	.3657	.4222	31.73	.1133
#1	.1560	2.565	.0302	.0811	14.53	-.0031	.1685
#2	.1552	2.565	.0276	.0807	14.62	-.0049	.1687

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91632.**	**13507.**	**1628.2**	**5460.4**
Stddev	29.	27.	1.7	1.7
%RSD	.03113	.19891	.10635	.03048
#1	91652.	13488.	1629.4	5459.2
#2	91611.	13526.	1627.0	5461.5

Zoom In Zoom Out

Sample Name: mp79729-mb1conf Acquired: 5/31/2014 2:59:10 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 5th pb

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0000**	**.0001**	**-.0001**	**-.0003**	**-.0002**	**.0000**	**-.0002**	**.0000**
Stddev	.0001	.0000	.0000	.0001	.0004	.0002	.000	.0001	.000
%RSD	16.05	101.0	30.06	54.40	135.9	80.23	575.9	33.19	184.8
#1	.0003	.0000	.0001	-.0001	-.0006	-.0004	.0000	-.0002	.0000
#2	.0004	.0000	.0001	-.0001	.0000	-.0001	.0000	-.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0004**	**-.0003**	**-.0013**	**-.0008**	**.0003**	**-.0003**	**.0078**	**-.0016**
Stddev	.0002	.0000	.0001	.0008	.0011	.0011	.0018	.0018	.0010
%RSD	256.5	3.762	41.98	58.62	129.8	330.0	569.5	22.77	65.09
#1	-.0001	-.0004	-.0002	-.0008	-.0016	-.0004	.0010	.0066	-.0023
#2	.0003	-.0003	-.0003	-.0018	-.0001	.0011	-.0016	.0091	-.0009

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**.0254**	**.0013**	**-.0111**	**.0006**	**.0007**	**.0004**	**.0124**	**.0007**
Stddev	.0002	.0018	.0056	.0023	.0002	.0002	.0000	.0017	.0000
%RSD	14.30	7.235	425.3	20.64	25.80	22.94	1.373	13.55	5.920
#1	.0011	.0241	-.0026	-.0127	.0005	.0008	.0004	.0112	.0007
#2	.0014	.0267	.0053	-.0094	.0007	.0006	.0004	.0136	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**.0142**	**.0007**	**.0051**	**.0009**	**.0008**
Stddev	.0000	.0004	.0005	.0000	.0015	.0003	.0001
%RSD	36.04	71.34	3.490	3.604	29.43	33.49	12.40
#1	.0001	.0007	.0146	.0007	.0062	.0007	.0007
#2	.0000	.0002	.0139	.0007	.0041	.0011	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94257.**	**13411.**	**1649.9**	**5710.0**
Stddev	131.	44.	.4	3.5
%RSD	.13939	.33021	.02560	.06155
#1	94164.	13380.	1650.2	5712.5
#2	94350.	13442.	1649.6	5707.5

Zoom In Zoom Out

Sample Name: jb67626-14fconf Acquired: 5/31/2014 3:05:29 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 5th pb

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4097**	**.0003**	**.0007**	**-.0015**	**.0019**	**.0017**	**.9264**	**.0018**	**.0014**
Stddev	.0016	.0001	.0001	.0001	.0006	.0004	.0044	.0001	.0002
%RSD	.3855	20.39	12.08	8.338	33.57	23.19	.4750	3.181	16.42
#1	.4086	.0002	.0006	-.0014	.0015	.0014	.9233	.0017	.0016
#2	.4108	.0003	.0007	-.0016	.0024	.0020	.9295	.0018	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0036**	**.0002**	**-.0005**	**.0018**	**.0096**	**-.0002**	**.0312**	**264.1**
Stddev	.0004	.0000	.0000	.0024	.0003	.0006	.0006	.0195	.6
%RSD	135.7	.6415	30.71	481.2	18.12	5.948	247.5	62.63	.2281
#1	-.0006	-.0036	.0002	.0012	.0020	.0100	-.0006	.0174	263.6
#2	.0000	-.0036	.0001	-.0022	.0016	.0092	.0002	.0450	264.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.392**	**61.38**	**14.95**	**544.6**	**.1329**	**.0024**	**-.0071**	**11.91**	**.0062**
Stddev	.002	.17	.03	9.0	.0004	.0002	.0022	.09	.0003
%RSD	.1224	.2700	.1943	1.660	.2931	8.939	31.17	.7160	4.709
#1	1.390	61.26	14.93	551.0	.1327	.0025	-.0086	11.97	.0064
#2	1.393	61.50	14.97	538.2	.1332	.0022	-.0055	11.85	.0060

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.305**	**.0023**	**.0187**	**.0106**	**99.25**	**.0012**	**.0545**
Stddev	.005	.0003	.0002	.0003	.87	.0004	.0010
%RSD	.3537	12.11	1.076	2.701	.8761	30.68	1.884
#1	1.302	.0021	.0188	.0108	99.86	.0010	.0538
#2	1.308	.0025	.0186	.0104	98.63	.0015	.0553

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85211.**	**12971.**	**1492.3**	**4822.6**
Stddev	392.	9.	6.1	11.3
%RSD	.45969	.06892	.40611	.23351
#1	85488.	12977.	1488.0	4814.7
#2	84934.	12964.	1496.6	4830.6

Zoom In Zoom Out

Sample Name: jb67626-18f Acquired: 5/31/2014 3:11:49 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 5th pb

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0526**	**.0001**	**.0003**	**.0164**	**-.0007**	**-.0020**	**4.017**	**.0036**	**.0035**
Stddev	.0002	.0001	.0004	.0000	.0004	.0005	.009	.0007	.0000
%RSD	.4362	53.49	125.9	.0633	54.33	27.61	.2269	18.84	.1344
#1	.0528	.0001	.0000	.0164	-.0004	-.0016	4.011	.0041	.0035
#2	.0525	.0001	.0005	.0164	-.0009	-.0024	4.023	.0031	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0013**	**.0018**	**.0668**	**.0001**	**.0057**	**.0096**	**.0005**	**-.0090**	**55.20**
Stddev	.0001	.0002	.0015	.0013	.0005	.0012	.0032	.0129	.35
%RSD	4.993	12.46	2.211	1703.	8.998	12.07	706.0	143.4	.6311
#1	-.0014	.0016	.0657	-.0008	.0054	.0088	-.0018	-.0180	55.45
#2	-.0013	.0019	.0678	.0010	.0061	.0104	.0027	.0001	54.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**76.03**	**54.20**	**2.524**	**42.83**	**.0024**	**-.0020**	**-.0027**	**19.79**	**.0030**
Stddev	.49	.32	.050	.12	.0017	.0002	.0011	.04	.0000
%RSD	.6506	.5871	1.993	.2792	71.98	10.04	41.70	.2208	.2548
#1	76.38	54.42	2.560	42.92	.0036	-.0021	-.0035	19.82	.0030
#2	75.68	53.97	2.489	42.75	.0012	-.0018	-.0019	19.76	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2481**	**.0009**	**.0186**	**.0073**	**93.95**	**.0014**	**.0110**
Stddev	.0012	.0002	.0027	.0002	.21	.0003	.0007
%RSD	.4860	25.33	14.74	2.792	.2184	18.16	6.646
#1	.2490	.0007	.0206	.0074	94.09	.0012	.0105
#2	.2473	.0010	.0167	.0071	93.80	.0016	.0116

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91160.**	**13355.**	**1575.6**	**5382.0**
Stddev	137.	15.	2.1	12.4
%RSD	.15056	.10917	.13038	.23080
#1	91257.	13345.	1577.0	5390.8
#2	91063.	13365.	1574.1	5373.2

Zoom In Zoom Out

Sample Name: jb67707-1 2 Acquired: 5/31/2014 3:18:02 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th pb only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.077**	**.0116**	**.0013**	**.1018**	**.2548**	**.1361**	**3.049**	**.2348**	**.0096**
Stddev	.005	.0000	.0002	.0006	.0006	.0012	.004	.0018	.0002
%RSD	.4543	.1993	16.82	.6213	.2293	.8462	.1451	.7595	1.872
#1	1.080	.0117	.0014	.1023	.2552	.1353	3.052	.2361	.0094
#2	1.073	.0116	.0011	.1014	.2544	.1369	3.046	.2336	.0097

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3142**	**.7320**	**.0444**	**.0018**	**.2357**	**.0084**	**.0076**	**151.6**	**14.48**
Stddev	.0005	.0060	.0017	.0009	.0013	.0004	.0002	.3	.00
%RSD	.1672	.8145	3.749	47.72	.5643	4.654	2.481	.1809	.0018
#1	.3138	.7362	.0456	.0012	.2348	.0086	.0074	151.8	14.48
#2	.3146	.7278	.0432	.0024	.2366	.0081	.0077	151.5	14.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**300.5**	**62.56**	**30.24**	**1.480**	**.1447**	**-.0090**	**-.0178**	**4.161**	**.0204**
Stddev	.3	.03	.14	.002	.0009	.0003	.0011	.049	.0004
%RSD	.0970	.0472	.4661	.1012	.6416	3.772	6.172	1.171	2.100
#1	300.7	62.54	30.34	1.479	.1453	-.0087	-.0186	4.195	.0207
#2	300.3	62.58	30.14	1.481	.1440	-.0092	-.0170	4.126	.0201

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1581**	**4.067**	**.0320**	**.0664**	**.5874**	**-.0073**	**.4452**
Stddev	.0008	.003	.0002	.0003	.0061	.0001	.0010
%RSD	.5372	.0775	.5451	.4127	1.034	1.679	.2244
#1	.1587	4.069	.0321	.0662	.5917	-.0072	.4459
#2	.1575	4.064	.0319	.0666	.5831	-.0074	.4445

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92425.**	**13556.**	**1651.3**	**5385.4**
Stddev	84.	74.	17.4	53.0
%RSD	.09037	.54805	1.0565	.98488
#1	92484.	13609.	1639.0	5347.9
#2	92366.	13504.	1663.6	5423.0

Zoom In Zoom Out

Sample Name: jb67707-2 Acquired: 5/31/2014 3:24:08 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th pb only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9650**	**.0069**	**.0025**	**.0897**	**.2160**	**.1556**	**3.174**	**.1967**	**.0057**
Stddev	.0026	.0000	.0000	.0002	.0005	.0013	.001	.0001	.0002
%RSD	.2675	.2842	1.855	.1951	.2107	.8033	.0236	.0337	3.211
#1	.9632	.0069	.0024	.0895	.2163	.1565	3.174	.1968	.0055
#2	.9668	.0069	.0025	.0898	.2157	.1548	3.175	.1967	.0058

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2732**	**1.878**	**.0333**	**.0036**	**.6475**	**.0068**	**.0057**	**135.8**	**23.44**
Stddev	.0003	.003	.0005	.0002	.0017	.0013	.0010	.4	.01
%RSD	.1008	.1573	1.366	6.362	.2583	18.51	18.31	.2698	.0261
#1	.2734	1.876	.0330	.0038	.6463	.0059	.0050	135.6	23.43
#2	.2730	1.881	.0336	.0035	.6487	.0077	.0064	136.1	23.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**219.2**	**53.54**	**23.42**	**2.356**	**.1324**	**-.0050**	**-.0162**	**3.252**	**.0231**
Stddev	.3	.15	.07	.004	.0006	.0000	.0003	.003	.0008
%RSD	.1335	.2740	.3079	.1904	.4847	.8138	2.042	.1005	3.559
#1	219.0	53.44	23.36	2.353	.1320	-.0050	-.0164	3.250	.0237
#2	219.4	53.65	23.47	2.360	.1329	-.0050	-.0159	3.254	.0225

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1645**	**3.656**	**.0248**	**.0572**	**1.083**	**-.0066**	**.3547**
Stddev	.0007	.003	.0016	.0003	.001	.0002	.0005
%RSD	.4178	.0861	6.408	.4443	.0997	3.226	.1382
#1	.1640	3.659	.0237	.0574	1.082	-.0068	.3551
#2	.1650	3.654	.0260	.0570	1.084	-.0065	.3544

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92153.**	**13690.**	**1657.4**	**5388.9**
Stddev	95.	41.	2.5	3.5
%RSD	.10358	.29979	.15112	.06410
#1	92085.	13719.	1659.2	5391.4
#2	92220.	13661.	1655.6	5386.5

Zoom In Zoom Out

Sample Name: jb67707-3 Acquired: 5/31/2014 3:30:14 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th pb only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0815**	**.0055**	**.0001**	**.0169**	**.2059**	**.0128**	**.1387**	**.0278**	**.0079**
Stddev	.0001	.0000	.0001	.0007	.0001	.0004	.0012	.0006	.0001
%RSD	.0777	.1117	144.5	4.180	.0270	3.311	.8655	2.277	1.172
#1	.0815	.0055	.0000	.0164	.2060	.0125	.1396	.0273	.0079
#2	.0816	.0055	.0002	.0174	.2059	.0131	.1379	.0282	.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2749**	**.1777**	**.0658**	**-.0012**	**.0406**	**.0093**	**.0039**	**49.78**	**1.250**
Stddev	.0017	.0020	.0006	.0004	.0012	.0022	.0014	.06	.002
%RSD	.6277	1.146	.8477	33.21	3.045	23.37	36.18	.1115	.1817
#1	.2761	.1763	.0662	-.0015	.0397	.0109	.0049	49.82	1.252
#2	.2737	.1792	.0654	-.0009	.0414	.0078	.0029	49.74	1.249

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**270.8**	**5.873**	**17.78**	**.3049**	**.1404**	**-.0112**	**-.0117**	**3.128**	**.0156**
Stddev	.3	.028	.03	.0029	.0022	.0004	.0002	.025	.0007
%RSD	.1221	.4810	.1648	.9489	1.565	3.260	1.462	.7988	4.400
#1	271.0	5.853	17.81	.3028	.1389	-.0110	-.0118	3.110	.0161
#2	270.6	5.892	17.76	.3069	.1420	-.0115	-.0115	3.145	.0151

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0347**	**.9336**	**.0203**	**.0336**	**.3500**	**.0017**	**.0224**
Stddev	.0001	.0059	.0000	.0001	.0012	.0005	.0011
%RSD	.1765	.6321	.1206	.3940	.3433	28.47	5.033
#1	.0347	.9378	.0203	.0337	.3508	.0014	.0232
#2	.0346	.9295	.0203	.0335	.3491	.0021	.0216

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92658.**	**13448.**	**1654.5**	**5655.9**
Stddev	518.	52.	13.6	37.1
%RSD	.55954	.38425	.82061	.65525
#1	92291.	13411.	1664.1	5682.1
#2	93024.	13484.	1644.9	5629.7

Zoom In Zoom Out

Sample Name: jb67707-9 Acquired: 5/31/2014 3:36:24 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th pb only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.157**	**.0104**	**.0013**	**.1039**	**.2449**	**.1482**	**4.523**	**.2738**	**.0069**
Stddev	.000	.0001	.0001	.0005	.0004	.0003	.028	.0011	.0001
%RSD	.0077	.5518	10.50	.5190	.1810	.1849	.6072	.4136	1.518
#1	2.157	.0103	.0012	.1035	.2446	.1480	4.543	.2746	.0070
#2	2.157	.0104	.0014	.1042	.2452	.1484	4.504	.2730	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2774**	**.9236**	**.0283**	**.0049**	**.1597**	**.0059**	**.0048**	**152.5**	**19.17**
Stddev	.0005	.0006	.0009	.0012	.0002	.0019	.0001	.1	.02
%RSD	.1640	.0602	3.174	24.53	.1259	32.61	3.118	.0724	.1123
#1	.2777	.9240	.0276	.0040	.1598	.0045	.0049	152.6	19.19
#2	.2771	.9232	.0289	.0057	.1595	.0072	.0047	152.4	19.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**270.7**	**74.87**	**33.78**	**2.742**	**.1646**	**-.0082**	**-.0206**	**2.976**	**.0171**
Stddev	.1	.07	.01	.006	.0015	.0002	.0006	.009	.0002
%RSD	.0313	.0950	.0259	.2055	.9073	1.896	2.700	.3151	.9013
#1	270.8	74.82	33.77	2.746	.1657	-.0083	-.0202	2.983	.0170
#2	270.6	74.92	33.78	2.738	.1636	-.0081	-.0210	2.969	.0172

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1522**	**4.152**	**.0236**	**.0766**	**.5115**	**-.0071**	**.4637**
Stddev	.0003	.001	.0001	.0001	.0034	.0013	.0006
%RSD	.1687	.0340	.2286	.1559	.6700	17.95	.1223
#1	.1523	4.153	.0236	.0766	.5090	-.0081	.4633
#2	.1520	4.151	.0235	.0767	.5139	-.0062	.4641

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95666.**	**14059.**	**1700.0**	**5374.2**
Stddev	94.	16.	1.5	7.7
%RSD	.09793	.11330	.08780	.14382
#1	95732.	14070.	1699.0	5379.7
#2	95599.	14047.	1701.1	5368.7

Zoom In Zoom Out

Sample Name: jb67707-10 Acquired: 5/31/2014 3:42:38 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th pb only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.067**	**.0075**	**.0011**	**.0986**	**.1864**	**.2042**	**3.800**	**.1870**	**.0060**
Stddev	.002	.0001	.0001	.0007	.0011	.0007	.008	.0017	.0004
%RSD	.1367	.7245	5.142	.7464	.5862	.3395	.2006	.8931	6.337
#1	1.068	.0074	.0012	.0981	.1872	.2047	3.806	.1858	.0057
#2	1.066	.0075	.0011	.0992	.1857	.2037	3.795	.1881	.0063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2400**	**.6411**	**.0550**	**.0030**	**.5751**	**.0092**	**.0100**	**123.9**	**11.62**
Stddev	.0013	.0049	.0001	.0000	.0025	.0003	.0007	.0	.11
%RSD	.5365	.7637	.1355	1.618	.4400	3.629	6.572	.0191	.9402
#1	.2409	.6377	.0549	.0031	.5733	.0090	.0096	123.9	11.54
#2	.2391	.6446	.0550	.0030	.5769	.0095	.0105	123.9	11.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**181.9**	**38.44**	**14.80**	**1.643**	**.0814**	**-.0014**	**-.0149**	**3.413**	**.0368**
Stddev	1.1	.29	.02	.001	.0014	.0000	.0007	.024	.0000
%RSD	.5857	.7479	.1516	.0629	1.687	1.101	4.978	.7154	.0746
#1	181.1	38.23	14.78	1.644	.0804	-.0014	-.0154	3.396	.0368
#2	182.6	38.64	14.82	1.642	.0824	-.0014	-.0144	3.430	.0367

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1204**	**2.936**	**.0179**	**.0454**	**1.484**	**-.0051**	**.3157**
Stddev	.0002	.006	.0000	.0002	.010	.0004	.0014
%RSD	.1378	.2223	.1267	.3803	.6992	7.150	.4572
#1	.1203	2.940	.0179	.0455	1.477	-.0049	.3167
#2	.1205	2.931	.0179	.0453	1.492	-.0054	.3147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93054.**	**13685.**	**1663.9**	**5356.3**
Stddev	108.	162.	9.0	26.9
%RSD	.11634	1.1849	.53909	.50153
#1	92978.	13799.	1670.3	5375.3
#2	93131.	13570.	1657.6	5337.3

Zoom In Zoom Out

Sample Name: jb67707-15 Acquired: 5/31/2014 3:48:46 Type: Unk
Method: Accutest1(v93) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 6th pb only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.921**	**.0121**	**.0016**	**.1209**	**.2354**	**.1532**	**5.197**	**.3431**	**.0055**
Stddev	.001	.0001	.0001	.0005	.0007	.0002	.032	.0000	.0002
%RSD	.0585	.5230	6.777	.4127	.2904	.1143	.6062	.0016	4.403
#1	1.920	.0121	.0017	.1212	.2358	.1533	5.174	.3431	.0054
#2	1.922	.0120	.0015	.1205	.2349	.1531	5.219	.3431	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2758**	**1.883**	**.0303**	**.0021**	**.1605**	**.0049**	**.0055**	**144.0**	**27.53**
Stddev	.0000	.001	.0003	.0011	.0000	.0006	.0017	.2	.15
%RSD	.0159	.0671	.8337	50.97	.0226	12.04	30.36	.1069	.5609
#1	.2757	1.884	.0305	.0013	.1606	.0053	.0067	143.9	27.64
#2	.2758	1.882	.0301	.0029	.1605	.0045	.0044	144.1	27.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**261.4**	**77.68**	**32.68**	**4.672**	**.1630**	**-.0074**	**-.0193**	**2.904**	**.0142**
Stddev	1.0	.52	.06	.001	.0009	.0002	.0007	.011	.0004
%RSD	.3773	.6677	.1954	.0288	.5393	3.118	3.415	.3854	2.726
#1	262.1	78.05	32.63	4.671	.1636	-.0072	-.0188	2.896	.0144
#2	260.7	77.32	32.72	4.673	.1624	-.0075	-.0197	2.912	.0139

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2419**	**3.816**	**.0249**	**.0698**	**.9615**	**-.0060**	**.4595**
Stddev	.0004	.002	.0020	.0005	.0015	.0001	.0002
%RSD	.1622	.0454	7.953	.7544	.1571	2.391	.0512
#1	.2422	3.817	.0235	.0694	.9604	-.0059	.4596
#2	.2416	3.815	.0263	.0702	.9626	-.0061	.4593

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98008.**	**14435.**	**1760.7**	**5401.3**
Stddev	22.	49.	3.1	3.8
%RSD	.02256	.33702	.17331	.06983
#1	98024.	14400.	1762.8	5398.7
#2	97992.	14469.	1758.5	5404.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/31/2014 3:55:00 Type: QC
Method: Accutest1(v93) 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	**2.001**	**1.986**	**1.934**	**1.938**	**1.979**	**1.932**	**2.022**	**1.967**	**.2413**
Stddev	.002	.005	.005	.003	.006	.008	.007	.003	.0003
%RSD	.1127	.2327	.2860	.1769	.3007	.4173	.3580	.1336	.1449
#1	2.003	1.989	1.930	1.936	1.983	1.938	2.027	1.965	.2415
#2	1.999	1.982	1.938	1.941	1.975	1.926	2.017	1.969	.2410
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**	**1.967**	**1.932**	**2.049**	**1.966**	**1.938**	**1.918**	**39.51**	**38.87**
Stddev	.010	.005	.006	.005	.002	.006	.006	.25	.03
%RSD	.4904	.2562	.3388	.2708	.0857	.2884	.3025	.6204	.0741
#1	1.989	1.964	1.927	2.053	1.967	1.934	1.914	39.68	38.85
#2	1.975	1.971	1.936	2.045	1.965	1.942	1.922	39.34	38.89
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	**39.03**	**38.73**	**40.78**	**40.08**	**1.942**	**1.958**	**1.923**	**4.834**	**1.985**
Stddev	.06	.08	.15	.15	.006	.006	.008	.008	.005
%RSD	.1490	.1991	.3652	.3847	.3225	.3046	.4372	.1603	.2299
#1	38.99	38.79	40.88	40.19	1.937	1.953	1.929	4.829	1.982
#2	39.07	38.68	40.67	39.97	1.946	1.962	1.917	4.839	1.988
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: 5/31/2014 3:55:00 Type: QC
Method: Accutest1(v93) 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	**1.980**	**1.983**	**1.895**	**1.986**	**1.954**	**1.918**	**2.012**
Stddev	.002	.008	.021	.007	.009	.003	.003
%RSD	.0915	.4095	1.129	.3536	.4563	.1612	.1460
#1	1.979	1.988	1.880	1.991	1.947	1.916	2.014
#2	1.982	1.977	1.910	1.981	1.960	1.920	2.010
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	**90511.**	**13084.**	**1618.1**	**5291.5**
Stddev	232.	40.	5.2	5.3
%RSD	.25682	.30611	.31942	.10098
#1	90346.	13056.	1621.7	5295.2
#2	90675.	13112.	1614.4	5287.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 4:01:04 Type: QC
Method: Accutest1(v93) 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	**.0011**	**.0009**	F **.0010**	**.0009**	**.0007**	**.0006**	**.0011**	F **.0014**	**-.0001**
Stddev	.0000	.0000	.0002	.0000	.0002	.0002	.0000	.0003	.0000
%RSD	2.621	2.631	14.53	3.208	20.86	39.54	2.243	21.09	50.61
#1	.0010	.0008	.0009	.0008	.0008	.0004	.0011	.0012	.0000
#2	.0011	.0009	.0011	.0009	.0006	.0007	.0011	.0016	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**-.0002**	**.0016**	F **.0025**	**.0023**	**.0014**	**.0015**	F **.0313**	**.0172**
Stddev	.0001	.0003	.0006	.0004	.0005	.0010	.0005	.0075	.0009
%RSD	11.25	141.9	40.56	15.17	20.26	69.17	30.14	24.02	5.275
#1	.0012	-.0005	.0011	.0023	.0019	.0007	.0018	.0260	.0179
#2	.0010	.0000	.0021	.0028	.0026	.0021	.0012	.0367	.0166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.0020				.0312	
Low Limit				-.0020				-.0312	

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0283**	**.0279**	**.0338**	**.0186**	**.0030**	F **.0028**	**.0015**	**.0082**	**.0009**
Stddev	.0020	.0083	.0042	.0040	.0002	.0005	.0002	.0001	.0001
%RSD	6.977	29.59	12.55	21.36	5.350	18.61	15.63	1.799	7.716
#1	.0269	.0221	.0368	.0158	.0032	.0031	.0017	.0081	.0009
#2	.0297	.0337	.0308	.0214	.0029	.0024	.0014	.0083	.0010
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 4:01:04 Type: QC
Method: Accutest1(v93) 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	**.0009**	F **.0012**	F **.0244**	F **.0020**	**.0040**	**.0015**	F **.0025**
Stddev	.0001	.0001	.0022	.0001	.0007	.0005	.0002
%RSD	8.287	8.341	8.907	3.623	17.08	35.54	6.521
#1	.0010	.0013	.0259	.0020	.0045	.0011	.0026
#2	.0009	.0012	.0228	.0019	.0035	.0019	.0023
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit		.0010	.0123	.0010			.0020
Low Limit		-.0010	-.0123	-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94283.**	**13143.**	**1674.2**	**5732.9**
Stddev	124.	5.	11.9	27.8
%RSD	.13157	.03958	.71174	.48480
#1	94370.	13147.	1665.8	5713.2
#2	94195.	13139.	1682.6	5752.5

Zoom In Zoom Out

Sample Name: cri Acquired: 5/31/2014 4:07:25 Type: QC
Method: Accutest1(v93) 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	**.2079**	**.0024**	**.0034**	**.0498**	**.0113**	**.0096**	**.0165**	**.0102**	**.0047**
Stddev	.0028	.0000	.0001	.0003	.0002	.0001	.0001	.0001	.0005
%RSD	1.345	1.809	1.994	.6327	1.591	1.422	.4211	1.189	10.21
#1	.2099	.0024	.0034	.0496	.0112	.0095	.0165	.0101	.0051
#2	.2059	.0024	.0033	.0501	.0114	.0097	.0166	.0103	.0044
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**	**.0216**	**.0093**	**.0094**	**.0037**	**.0108**	**.0071**	**.2085**	**5.122**
Stddev	.0006	.0000	.0004	.0014	.0009	.0007	.0006	.0111	.061
%RSD	1.076	.0031	4.504	14.72	23.93	6.630	8.023	5.317	1.186
#1	.0522	.0216	.0096	.0085	.0043	.0113	.0075	.2163	5.165
#2	.0530	.0216	.0090	.0104	.0031	.0103	.0067	.2006	5.079
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	**.1087**	**5.313**	**5.321**	**5.091**	**.1017**	**.0217**	**.0550**	**.2051**	**.0109**
Stddev	.0001	.052	.040	.063	.0004	.0003	.0002	.0003	.0001
%RSD	.0971	.9846	.7469	1.245	.4412	1.602	.3283	.1272	1.318
#1	.1088	5.350	5.349	5.136	.1021	.0220	.0552	.2049	.0110
#2	.1086	5.276	5.293	5.046	.1014	.0215	.0549	.2053	.0108
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: 5/31/2014 4:07:25 Type: QC
Method: Accutest1(v93) 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**	**.0116**	F **.0767**	F **.0132**	**.0527**	**.0209**	**.0243**
Stddev	.0002	.0001	.0001	.0001	.0020	.0012	.0002
%RSD	1.860	.5791	.1240	.7078	3.829	5.783	.7613
#1	.0111	.0116	.0768	.0133	.0541	.0217	.0241
#2	.0108	.0115	.0766	.0132	.0512	.0200	.0244
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0500	.0100			
Range			30.00%	30.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93507.**	**13023.**	**1673.8**	**5671.3**
Stddev	506.	70.	.3	2.3
%RSD	.54131	.53612	.01838	.04087
#1	93865.	12973.	1673.5	5673.0
#2	93149.	13072.	1674.0	5669.7

Zoom In Zoom Out

Sample Name: crid Acquired: 5/31/2014 4:13:40 Type: QC
Method: Accutest1(v93) 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	**.0046**	**.0011**	**.0012**	**.0030**	**.0020**	**.0018**	**.0034**	**.0043**	**.0007**
Stddev	.0001	.0000	.0001	.0000	.0000	.0001	.0001	.0001	.0001
%RSD	2.294	3.863	6.995	.0087	1.383	7.823	2.276	2.092	19.11
#1	.0045	.0011	.0012	.0030	.0020	.0019	.0034	.0044	.0008
#2	.0047	.0011	.0011	.0030	.0020	.0017	.0033	.0043	.0006
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	**.0022**	**.0104**	**.0033**	F **.0032**	**.0030**	F **.0076**	**.0031**	**.1154**	**1.030**
Stddev	.0003	.0000	.0000	.0004	.0010	.0008	.0002	.0033	.001
%RSD	13.15	.1190	.3438	13.54	33.44	10.53	5.466	2.834	.1193
#1	.0020	.0104	.0033	.0029	.0037	.0081	.0032	.1131	1.030
#2	.0024	.0104	.0033	.0035	.0023	.0070	.0030	.1177	1.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.0020		.0050			
Range				30.00%		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	**.0053**	**.1125**	**2.191**	**1.038**	**.0108**	**.0004**	**.0009**	**.0006**	**.0002**
Stddev	.0033	.0066	.009	.002	.0003	.0000	.0000	.0001	.0001
%RSD	62.23	5.852	.4059	.2164	3.138	11.80	4.979	19.70	60.26
#1	.0030	.1079	2.198	1.039	.0111	.0004	.0009	.0005	.0003
#2	.0077	.1172	2.185	1.036	.0106	.0003	.0009	.0007	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 5/31/2014 4:13:40 Type: QC
Method: Accutest1(v93) 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**	**.0101**	**.0005**	**.0009**	**-.0002**	**.0010**
Stddev	.0001	.0003	.0005	.0001	.0012	.0005	.0000
%RSD	32.17	91.05	4.589	19.56	129.8	185.1	3.802
#1	.0001	.0001	.0104	.0005	.0017	-.0006	.0009
#2	.0002	.0005	.0098	.0006	.0001	.0001	.0010
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	**93780.**	**12931.**	**1683.5**	**5737.6**
Stddev	143.	2.	1.0	7.2
%RSD	.15197	.01514	.05873	.12558
#1	93679.	12930.	1684.2	5732.5
#2	93880.	12933.	1682.8	5742.7

Zoom In Zoom Out

Sample Name: cria Acquired: 5/31/2014 4:19:58 Type: QC
Method: Accutest1(v93) 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**	**.0002**	**.0000**	**-.0001**	**-.0004**	**.0000**	**.0001**	**-.0002**
Stddev	.0001	.0001	.0000	.0002	.0002	.0001	.0000	.0001	.0001
%RSD	45.26	633.3	24.27	7233.	214.1	26.46	149.6	125.4	39.52
#1	.0002	.0000	.0002	.0001	-.0002	-.0005	.0000	.0000	-.0003
#2	.0004	.0001	.0001	-.0001	.0000	-.0004	.0000	.0002	-.0002
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**	**.0194**	**-.0013**	**.0209**	**.0216**	**.0197**	**.5255**	**.0045**
Stddev	.0003	.0000	.0005	.0001	.0015	.0004	.0007	.0087	.0021
%RSD	353.2	4.566	2.370	8.476	7.167	1.881	3.493	1.651	46.53
#1	-.0001	-.0008	.0191	-.0014	.0198	.0213	.0202	.5317	.0030
#2	.0003	-.0007	.0198	-.0012	.0219	.0219	.0192	.5194	.0060
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	**.5426**	**.0219**	**.0043**	**-.0122**	**.0004**	**.0004**	**.0004**	**-.0012**	**-.0003**
Stddev	.0017	.0268	.0157	.0009	.0006	.0002	.0013	.0005	.0004
%RSD	.3114	122.4	361.3	7.733	152.4	36.29	330.6	41.16	169.3
#1	.5438	.0409	-.0067	-.0128	.0008	.0006	.0013	-.0016	.0001
#2	.5414	.0029	.0154	-.0115	.0000	.0003	-.0005	-.0009	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 5/31/2014 4:19:58 Type: QC
Method: Accutest1(v93) 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**	**.0082**	**.0004**	**.0028**	**.0005**	**.0009**
Stddev	.0000	.0001	.0003	.0001	.0020	.0003	.0004
%RSD	24.14	35.96	3.090	21.85	70.82	57.69	49.17
#1	.0001	.0003	.0080	.0003	.0014	.0007	.0006
#2	.0001	.0005	.0084	.0004	.0042	.0003	.0012
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	**93030.**	**12850.**	**1689.2**	**5769.7**
Stddev	53.	26.	17.0	52.4
%RSD	.05653	.20274	1.0093	.90803
#1	92993.	12868.	1677.1	5732.7
#2	93067.	12831.	1701.2	5806.8

Zoom In Zoom Out

Sample Name: Ticonf Acquired: 5/31/2014 4:26:18 Type: Unk
Method: Accutest1(v93) 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**	**.0002**	**.0005**	**-.0043**	**.0003**	**-.0009**	**-.0009**	**-.0013**	**.0003**
Stddev	.0001	.0001	.0002	.0003	.0000	.0003	.0000	.0001	.0003
%RSD	25.01	25.71	40.51	6.881	14.09	32.53	4.125	5.155	82.44
#1	.0004	.0003	.0006	-.0041	.0003	-.0007	-.0009	-.0012	.0006
#2	.0002	.0002	.0003	-.0046	.0003	-.0010	-.0009	-.0013	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.0042**	**.0023**	**.0007**	**.0012**	**.0004**	**.0020**	**.0911**	**.0104**
Stddev	.0001	.0001	.0001	.0012	.0005	.0009	.0003	.0028	.0028
%RSD	3.813	2.193	2.524	168.8	43.16	219.0	14.08	3.090	27.21
#1	.0035	.0042	.0023	-.0001	.0015	-.0002	.0018	.0891	.0084
#2	.0033	.0043	.0024	.0015	.0008	.0010	.0022	.0931	.0124

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0124**	**.0012**	**.0124**	**-.0104**	**.0019**	**-.0025**	**-.0053**	**.0166**	**-.0062**
Stddev	.0026	.0056	.0189	.0012	.0001	.0001	.0003	.0006	.0010
%RSD	21.33	452.7	152.2	11.79	3.002	4.126	6.480	3.362	16.11
#1	.0105	.0052	-.0009	-.0095	.0019	-.0026	-.0055	.0170	-.0055
#2	.0143	-.0027	.0258	-.0113	.0019	-.0025	-.0050	.0162	-.0069

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**9.884**	**.0085**	**.0093**	**.0031**	**-.0175**	**.0014**
Stddev	.0001	.011	.0017	.0006	.0004	.0001	.0002
%RSD	38.27	.1063	19.98	6.716	14.04	.5544	16.36
#1	.0001	9.876	.0097	.0097	.0028	-.0174	.0016
#2	.0002	9.891	.0073	.0088	.0034	-.0176	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94869.**	**12937.**	**1660.2**	**5702.6**
Stddev	254.	17.	4.2	7.7
%RSD	.26777	.13204	.25431	.13553
#1	95049.	12949.	1657.2	5697.1
#2	94689.	12925.	1663.2	5708.0

Zoom In Zoom Out

Sample Name: Cdconf Acquired: 5/31/2014 4:32:38 Type: Unk
Method: Accutest1(v93) 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	**.0009**	**.0009**	**9.514**	**-.0010**	**-.0011**	**-.0005**	**.0001**	**.0000**	**.0001**
Stddev	.0001	.0000	.033	.0002	.0003	.0002	.0000	.000	.0001
%RSD	16.84	4.229	.3422	24.44	24.77	41.66	3.479	17400.	87.41
#1	.0008	.0009	9.491	-.0012	-.0013	-.0003	.0001	-.0002	.0002
#2	.0010	.0009	9.537	-.0008	-.0009	-.0006	.0001	.0002	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0002**	**.0000**	**.0005**	**.0015**	**.0007**	**.0002**	**.0107**	**-.0001**
Stddev	.0001	.0002	.001	.0003	.0014	.0001	.0006	.0009	.0024
%RSD	4.446	69.02	7869.	57.45	92.26	10.17	259.1	8.529	3290.
#1	.0014	-.0004	.0003	.0003	.0025	.0008	-.0002	.0100	-.0018
#2	.0015	-.0001	-.0004	.0007	.0005	.0006	.0007	.0113	.0016

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0039**	**.0171**	**.0145**	**-.0177**	**.0010**	**.0005**	**.0009**	**.0143**	**.0013**
Stddev	.0011	.0132	.0068	.0021	.0002	.0001	.0004	.0005	.0008
%RSD	27.36	77.11	46.96	11.94	15.78	22.41	38.38	3.291	59.42
#1	-.0046	.0078	.0193	-.0192	.0011	.0006	.0012	.0140	.0018
#2	-.0031	.0265	.0097	-.0162	.0009	.0005	.0007	.0146	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0012**	**.0060**	**.0002**	**.0015**	**.0003**	**.0013**
Stddev	.0000	.0000	.0004	.0001	.0007	.0000	.0004
%RSD	154.2	.8378	5.967	52.82	47.20	11.81	32.24
#1	.0000	.0012	.0058	.0003	.0020	.0004	.0015
#2	.0000	.0012	.0063	.0001	.0010	.0003	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95718.**	**13310.**	**1694.9**	**5790.9**
Stddev	154.	77.	.8	9.4
%RSD	.16049	.57614	.04957	.16171
#1	95826.	13364.	1695.5	5797.5
#2	95609.	13255.	1694.3	5784.2

Zoom In Zoom Out

Sample Name: Srconf Acquired: 5/31/2014 4:38:58 Type: Unk
Method: Accutest1(v93) 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**	**.0007**	**-.0001**	**-.0002**	**-.0003**	**.0000**	**.0000**	**-.0002**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.000	.0001	.0000
%RSD	15.89	67.24	11.04	172.7	51.45	9.279	132.5	311.4	16.27
#1	.0003	.0000	.0006	-.0001	-.0003	-.0003	-.0001	-.0001	-.0001
#2	.0002	.0000	.0007	.0000	-.0001	-.0003	.0000	.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0005**	**.0003**	**.0106**	**.0001**	**.0008**	**.0004**	**.0054**	**-.0015**
Stddev	.000	.0000	.0002	.0002	.0006	.0003	.0001	.0014	.0005
%RSD	7.638	1.619	95.74	1.601	444.5	37.37	23.07	25.90	30.37
#1	.0000	-.0005	.0004	.0105	.0006	.0010	.0005	.0044	-.0019
#2	.0000	-.0005	.0001	.0107	-.0003	.0006	.0004	.0064	-.0012

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0002**	**.0255**	**.0090**	**-.0141**	**.0004**	**.0000**	**.0010**	**.0025**	**-.0001**
Stddev	.0008	.0151	.0165	.0018	.0003	.0001	.0002	.0003	.0003
%RSD	332.5	59.46	184.3	12.61	89.16	198.1	22.06	13.56	359.8
#1	-.0003	.0362	.0206	-.0153	.0001	.0000	.0012	.0027	.0001
#2	.0008	.0148	-.0027	-.0128	.0006	.0001	.0008	.0023	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**9.632**	**.0003**	**.0043**	**.0002**	**.0035**	**.0001**	**.0014**
Stddev	.007	.0003	.0000	.0001	.0015	.0008	.0003
%RSD	.0734	103.7	.8707	47.77	43.98	626.9	18.23
#1	9.627	.0001	.0043	.0002	.0045	-.0004	.0012
#2	9.637	.0006	.0042	.0001	.0024	.0007	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93899.**	**12925.**	**1663.5**	**5716.8**
Stddev	223.	36.	4.7	2.9
%RSD	.23761	.27803	.28340	.05010
#1	93741.	12950.	1666.8	5718.9
#2	94057.	12899.	1660.2	5714.8

Zoom In Zoom Out

Sample Name: Asconf Acquired: 5/31/2014 4:45:24 Type: Unk
Method: Accutest1(v93) 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**	**.0082**	**-.0001**	**-.0003**	**-.0003**	**-.0039**	**.0000**	**.0008**
Stddev	.0000	.0000	.0002	.0001	.0001	.0001	.0001	.0001	.0000
%RSD	12.09	15.80	2.792	98.16	20.06	43.71	2.954	439.1	1.331
#1	.0003	.0000	.0084	.0000	-.0003	-.0004	-.0040	.0000	.0008
#2	.0003	.0000	.0080	-.0001	-.0004	-.0002	-.0039	.0001	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0012**	**10.12**	**.0000**	**.0002**	**.0009**	**.0008**	**.0195**	**.0079**
Stddev	.0004	.0001	.28	.001	.0004	.0014	.0002	.0005	.0029
%RSD	158.2	8.240	2.743	1860.	270.7	151.1	25.81	2.386	36.52
#1	.0000	.0013	10.31	.0005	.0005	-.0001	.0006	.0199	.0100
#2	.0005	.0012	9.921	-.0006	-.0001	.0020	.0009	.0192	.0059

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0036**	**-.0053**	**.0066**	**-.0133**	**-.0003**	**.0003**	**.0008**	**.0070**	**-.0003**
Stddev	.0035	.0053	.0003	.0008	.0003	.0000	.0004	.0010	.0003
%RSD	97.45	99.61	4.635	6.049	100.2	7.456	54.09	14.88	107.8
#1	.0060	-.0016	.0064	-.0139	-.0005	.0003	.0011	.0077	-.0001
#2	.0011	-.0091	.0069	-.0127	-.0001	.0003	.0005	.0063	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0007**	**.0033**	**.0001**	**.0011**	**-.0001**	**.0016**
Stddev	.0000	.0000	.0009	.0002	.0004	.0002	.0005
%RSD	16.90	.6347	27.28	154.2	36.14	267.9	30.23
#1	.0001	.0007	.0027	.0003	.0014	.0001	.0013
#2	.0001	.0007	.0040	.0000	.0008	-.0002	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95343.**	**13065.**	**1704.5**	**5845.0**
Stddev	212.	81.	34.2	120.1
%RSD	.22280	.61651	2.0090	2.0544
#1	95494.	13122.	1680.3	5760.1
#2	95193.	13008.	1728.8	5929.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 5/31/2014 4:51:42 Type: QC
Method: Accutest1(v93) 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	**1.990**	**1.980**	**1.920**	**1.935**	**1.995**	**1.937**	**2.041**	**1.969**	**.2429**
Stddev	.023	.023	.004	.005	.001	.007	.004	.003	.0009
%RSD	1.171	1.153	.1927	.2551	.0624	.3552	.1742	.1662	.3533
#1	1.974	1.963	1.917	1.932	1.996	1.932	2.038	1.966	.2423
#2	2.006	1.996	1.923	1.939	1.994	1.942	2.043	1.971	.2435
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**	**1.979**	**1.915**	**2.033**	**1.973**	**1.917**	**1.901**	**39.16**	**39.16**
Stddev	.010	.006	.011	.014	.004	.004	.008	.50	.50
%RSD	.5130	.3022	.5597	.6954	.1772	.2322	.4146	1.288	1.278
#1	1.988	1.975	1.907	2.023	1.970	1.914	1.896	38.80	38.81
#2	2.003	1.983	1.923	2.043	1.975	1.920	1.907	39.51	39.51
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**	**39.04**	**40.58**	**39.93**	**1.920**	**1.952**	**1.929**	**4.787**	**1.971**
Stddev	.48	.50	.47	.47	.006	.007	.003	.018	.007
%RSD	1.227	1.276	1.165	1.167	.3389	.3359	.1399	.3802	.3382
#1	38.86	38.69	40.25	39.60	1.915	1.947	1.927	4.775	1.967
#2	39.54	39.39	40.92	40.26	1.925	1.956	1.931	4.800	1.976
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: 5/31/2014 4:51:42 Type: QC
Method: Accutest1(v93) 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	**1.984**	**1.995**	**1.884**	**1.992**	**1.931**	**1.896**	**2.001**
Stddev	.021	.002	.025	.000	.013	.005	.024
%RSD	1.083	.0995	1.299	.0062	.6496	.2886	1.190
#1	1.969	1.994	1.867	1.992	1.922	1.892	1.984
#2	1.999	1.997	1.901	1.992	1.940	1.900	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	**90378.**	**13079.**	**1637.7**	**5326.6**
Stddev	208.	186.	.9	1.1
%RSD	.22968	1.4240	.05735	.02124
#1	90524.	13211.	1638.3	5325.8
#2	90231.	12948.	1637.0	5327.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 4:57:46 Type: QC
Method: Accutest1(v93) 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	**.0012**	**.0009**	F **.0013**	**.0011**	**.0004**	**.0006**	**.0011**	F **.0011**	**-.0002**
Stddev	.0001	.0000	.0001	.0002	.0000	.0000	.0000	.0001	.0002
%RSD	7.780	4.552	4.154	14.97	11.43	1.101	2.023	8.833	85.40
#1	.0012	.0008	.0013	.0012	.0004	.0006	.0011	.0012	-.0001
#2	.0013	.0009	.0014	.0009	.0005	.0006	.0011	.0010	-.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006					.0010	
Low Limit			-.0006					-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0001**	**.0018**	F **.0021**	**.0010**	**.0016**	**.0012**	**.0271**	**.0154**
Stddev	.0001	.0001	.0000	.0002	.0011	.0014	.0004	.0042	.0019
%RSD	11.35	149.2	1.929	7.368	113.5	85.53	34.93	15.60	12.55
#1	.0013	.0000	.0018	.0020	.0002	.0006	.0015	.0301	.0141
#2	.0011	-.0002	.0018	.0022	.0018	.0026	.0009	.0241	.0168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	F **.0282**	**.0393**	**.0585**	**.0045**	**.0025**	F **.0032**	**.0007**	**.0084**	**.0010**
Stddev	.0016	.0077	.0127	.0058	.0005	.0005	.0003	.0007	.0001
%RSD	5.673	19.55	21.62	127.2	21.78	14.57	36.91	8.727	10.73
#1	.0293	.0339	.0675	.0005	.0029	.0035	.0005	.0079	.0011
#2	.0270	.0448	.0496	.0086	.0021	.0028	.0009	.0090	.0009
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 5/31/2014 4:57:46 Type: QC
Method: Accutest1(v93) 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	**.0010**	F **.0013**	F **.0257**	F **.0020**	**.0026**	**.0012**	F **.0027**
Stddev	.0001	.0000	.0015	.0001	.0008	.0006	.0003
%RSD	8.008	.6529	5.708	5.923	32.59	53.50	10.54
#1	.0009	.0013	.0268	.0019	.0020	.0016	.0025
#2	.0010	.0013	.0247	.0021	.0032	.0007	.0029
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit		.0010	.0123	.0010			.0020
Low Limit		-.0010	-.0123	-.0010			-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94938.**	**12975.**	**1675.6**	**5748.9**
Stddev	472.	102.	6.2	11.7
%RSD	.49679	.78731	.37269	.20414
#1	94604.	13047.	1680.0	5757.2
#2	95271.	12903.	1671.2	5740.6

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	0.000535	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.000252	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	0.002500	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	0.000070	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	0.000072	0.000000	No
				Al	-0.000002	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	0.002270	0.000000	No
				Mo	-0.000300	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000130	0.000000	No
				Mo	-0.000153	0.000000	No
				Fe	-0.000004	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	0.000702	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	-0.000114	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	-0.000066	0.000000	No
				Ti	0.000095	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000150	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	0.000020	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	-0.001200	0.000000	No
			Zr	0.010000	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000004	0.000000	No
			Ca	-0.000008	0.000000	No
			Fe	-0.000235	0.000000	No
			Al	0.000003	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	0.005000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000032	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.008350	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.003870	0.000000	No
			Mn	-0.000100	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000700	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	-0.000170	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	0.000600	0.000000	No
As 189.042 {478}	☒	20	Al	0.000015	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.002710	0.000000	No
			Cr	0.000600	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
Tl 190.856 {477}	☒	27	Cr	0.000483	0.000000	No
			Mo	-0.011000	0.000000	No
			Al	-0.000016	0.000000	No
			V	-0.037500	0.000000	No
			Mn	0.000490	0.000000	No
			Si	0.000073	0.000000	No
			Ca	0.000038	0.000000	No
			Ti	-0.001000	0.000000	No
			Cu	-0.000095	0.000000	No
			Co	0.012300	0.000000	No
			Sr	-0.001000	0.000000	No
			Zn	0.000620	0.000000	No
			Pb	0.000310	0.000000	No
			Mg	-0.000001	0.000000	No
			Ba	0.000000	0.000000	No
			Sb	0.000004	0.000000	No
			W	0.000000	0.000000	No
			B	0.000567	0.000000	No
			Pd	-0.000032	0.000000	No
			Ni	0.000030	0.000000	No
			Sn	0.000100	0.000000	No
			Fe	-0.000093	0.000000	No
			Li	0.000009	0.000000	No
			S	-0.000010	0.000000	No
			Na	-0.000001	0.000000	No
			K	0.000000	0.000000	No
			As	0.000200	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000096	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000060	0.000000	No
			Zn	-0.000173	0.000000	No
			Mo	-0.000950	0.000000	No
			Ni	0.000129	0.000000	No
			Cu	0.000370	0.000000	No
			V	-0.000206	0.000000	No
			Co	0.000016	0.000000	No
			Ti	0.000000	0.000000	No
			Si	0.000060	0.000000	No
			Mg	0.000002	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	0.000000	0.000000	No
			Zr	0.000000	0.000000	No
			S	-0.000022	0.000000	No
			Sr	-0.000035	0.000000	No
Se 196.090 {472}	☒	17	Al	-0.000022	0.000000	No
			Ca	-0.000039	0.000000	No
			Mn	0.000345	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.000038	0.000000	No
			Co	-0.000140	0.000000	No
			Cu	-0.000107	0.000000	No
			Mg	0.000007	0.000000	No
			Ti	0.000000	0.000000	No
			Sb	-0.000010	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	-0.000126	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	0.065000	0.000000	No
			Zr	-0.000833	0.000000	No
Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.000078	0.000000	No
			Cr	0.011440	0.000000	No
			V	-0.002240	0.000000	No
			Zn	-0.000104	0.000000	No
			Mo	0.000420	0.000000	No
			Ti	0.000160	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	0.049000	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
			Pb	0.000002	0.000000	No
			Fe	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
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	0.037450	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	0.000044	0.000000	No
			V	0.000500	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000250	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	0.000000	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	-0.009667	0.000000	No
Si 212.412 {459}	☒	11	Mn	-0.002280	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	0.020000	0.000000	No
			Ti	0.058400	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	-0.005803	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.000460	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000406	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	0.000620	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
			S	-0.000097	0.000000	No
			Ti	0.000032	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mg	-0.000008	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	0.000072	0.000000	No
				Fe	-0.000029	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	-0.001522	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}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.004227	3.130322	0.000000	1.000000
Be 313.042 {108}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000060	2.649672	0.000000	1.000000
Cd 228.802 {448}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000671	1.266255	0.000000	1.000000
Co 228.616 {448}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000219	0.380277	0.000000	1.000000
Cr 267.716 {126}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000035	0.076187	0.000000	1.000000
Cu 324.754 {104}2	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.001944	0.274814	0.000000	1.000000
Mn 257.610 {131}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000040	0.197335	0.000000	1.000000
Ni 231.604 {446}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000970	0.292481	0.000000	1.000000
Ag 328.068 {103}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000029	0.131650	0.000000	1.000000
V 292.402 {115}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000111	0.145171	0.000000	1.000000
Zn 206.200 {464}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.001331	0.956878	0.000000	1.000000
As 189.042 {478}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000010	0.207884	0.000000	1.000000
Tl 190.856 {477}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000234	0.039896	0.000000	1.000000
Pb 220.353 {453}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000280	0.129469	0.000000	1.000000
Se 196.090 {472}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000500	0.117736	0.000000	1.000000
Sb 206.833 {463}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000855	0.288285	0.000000	1.000000
Al 396.152 { 85}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000386	0.046295	0.000000	1.000000
Ca 317.933 {106}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.004559	0.064474	0.000000	1.000000
Fe 259.940 {130}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000061	0.037582	0.000000	1.000000
Mg 279.079 {121}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000036	0.004902	0.000000	1.000000
K 766.490 { 44}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000272	0.028438	0.000000	1.000000
Na 589.592 { 57}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.003268	0.099068	0.000000	1.000000
B 208.959 {462}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000811	0.293292	0.000000	1.000000
Mo 202.030 {467}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000586	1.154951	0.000000	1.000000
Pd 340.458 { 99}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000043	0.063671	0.000000	1.000000
Si 212.412 {459}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.007603	0.322919	0.000000	1.000000
Sn 189.989 {478}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000522	0.190114	0.000000	1.000000
Sr 407.771 { 83}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000708	4.267666	0.000000	1.000000
Ti 334.904 {101}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000155	0.159263	0.000000	1.000000
Y 360.073 { 94}*	6/2/2014 10:20:06	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/2/2014 10:20:06	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/2/2014 10:20:06	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/2/2014 10:20:06	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.001547	0.527578	0.000000	1.000000
Zr 339.198 { 99}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.000283	0.387257	0.000000	1.000000
S 182.034 {485}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	0.000581	0.087461	0.000000	1.000000
Bi 223.061 {451}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.001181	0.416942	0.000000	1.000000
Li 670.784 { 50}	6/2/2014 10:20:06	5/30/2014 10:33:57	Linear	1/Conc	-0.001686	0.832346	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	0.000168	0.000560	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000068	0.000226	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000193	0.000644	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000294	0.000979	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000435	0.001448	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000308	0.001027	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000061	0.000205	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000350	0.001166	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000416	0.001386	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000318	0.001059	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000223	0.000742	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000969	0.003229	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001930	0.006432	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001183	0.003944	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002074	0.006915	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001057	0.003523	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.008210	0.027366	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003175	0.010582	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002648	0.008827	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.025730	0.085768	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027788	0.092625	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.007396	0.024654	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000661	0.002202	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000226	0.000755	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001064	0.003545	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000893	0.002975	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000866	0.002886	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000077	0.000257	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000411	0.001371	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	0.001045	0.003484	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000170	0.000567	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002297	0.007658	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000993	0.003309	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000918	0.003059	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/2/2014 12:10:33 Type: Cal
Method: Accutest1(v99) 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	**.0037**	**.0002**	**.0007**	**-.0002**	**.0000**	**.0025**	**.0000**	**-.0009**	**.0000**
Stddev	.0003	.0001	.0001	.0000	.0000	.0001	.0000	.0000	.000
%RSD	8.544	70.18	18.80	4.727	294.9	2.722	2.629	2.889	2812.
#1	.0040	.0003	.0006	-.0002	.0000	.0025	.0000	-.0009	.0000
#2	.0035	.0001	.0008	-.0002	.0000	.0026	.0000	-.0009	.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**	**.0004**	**.0004**	**-.0002**	**-.0002**	**.0005**	**.0010**	**.0008**	**.0044**
Stddev	.0000	.0001	.0000	.0000	.0000	.0000	.0002	.0001	.0002
%RSD	23.22	18.91	2.396	5.085	23.86	9.601	16.78	16.72	3.935
#1	.0000	.0004	.0004	-.0002	-.0002	.0005	.0011	.0007	.0043
#2	.0000	.0005	.0004	-.0002	-.0002	.0005	.0009	.0009	.0045

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**	**.0015**	**.0023**	**.0013**	**.0017**	**.0000**	**.0068**	**.0006**
Stddev	.0000	.0001	.0004	.0000	.0000	.0002	.000	.0002	.0000
%RSD	14.80	112.9	28.34	1.861	2.495	11.28	20.38	3.405	.7935
#1	.0001	.0000	.0018	.0023	.0012	.0018	.0000	.0067	.0006
#2	.0001	.0001	.0012	.0024	.0013	.0016	.0000	.0070	.0006

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	**-.0001**	**-.0001**	**.0091**	**-.0001**	**.0006**	**-.0011**	**-.0004**
Stddev	.0002	.0000	.0000	.0000	.0000	.0003	.0004
%RSD	194.4	7.389	.2814	16.07	.9858	27.64	83.14
#1	.0000	-.0001	.0091	-.0001	.0006	-.0009	-.0007
#2	-.0002	-.0002	.0091	-.0001	.0006	-.0013	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101610.**	**18197.**	**1959.4**	**6653.4**
Stddev	40.	35.	4.2	8.3
%RSD	.03905	.19094	.21320	.12508
#1	101580.	18222.	1962.4	6659.3
#2	101640.	18173.	1956.5	6647.5

Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/2/2014 12:16:47 Type: Cal
Method: Accutest1(v99) 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	**11.62**	**11.51**	**4.838**	**1.498**	**.3148**	**1.154**	**.8236**	**1.159**	**.0729**
Stddev	.01	.02	.012	.004	.0006	.005	.0005	.003	.0001
%RSD	.1173	.1493	.2572	.2659	.1981	.4059	.0599	.2708	.0804
#1	11.63	11.50	4.847	1.501	.3152	1.151	.8233	1.161	.0729
#2	11.61	11.52	4.829	1.495	.3144	1.157	.8240	1.157	.0730

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	**.5758**	**3.818**	**.8355**	**.1511**	**.5284**	**.4909**	**1.093**	**3.649**	**5.419**
Stddev	.0014	.007	.0030	.0018	.0019	.0012	.003	.004	.027
%RSD	.2378	.1937	.3650	1.185	.3517	.2533	.2377	.0953	.4935
#1	.5748	3.824	.8377	.1524	.5297	.4918	1.095	3.651	5.400
#2	.5768	3.813	.8333	.1498	.5271	.4900	1.091	3.646	5.438

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	**3.392**	**.4410**	**2.020**	**7.162**	**1.142**	**4.419**	**.2711**	**3.086**	**.7255**
Stddev	.012	.0023	.000	.002	.003	.011	.0008	.008	.0017
%RSD	.3432	.5176	.0192	.0293	.2639	.2393	.3090	.2701	.2344
#1	3.384	.4394	2.020	7.164	1.144	4.427	.2705	3.092	.7267
#2	3.400	.4426	2.019	7.161	1.140	4.412	.2717	3.080	.7243

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	**16.02**	**.6451**	**2.060**	**1.512**	**.3264**	**1.522**	**2.805**
Stddev	.00	.0011	.003	.001	.0034	.003	.003
%RSD	.0082	.1718	.1586	.0933	1.039	.2229	.0883
#1	16.02	.6443	2.058	1.511	.3288	1.525	2.803
#2	16.01	.6458	2.062	1.513	.3240	1.520	2.807

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92267.**	**17612.**	**1820.8**	**5647.9**
Stddev	66.	62.	3.5	14.8
%RSD	.07161	.35379	.19067	.26119
#1	92314.	17656.	1818.4	5637.5
#2	92221.	17568.	1823.3	5658.3

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/2/2014 12:22:54 Type: QC
Method: Accutest1(v99) 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	**2.020**	**2.033**	**2.016**	**2.015**	**2.014**	**1.990**	**2.057**	**2.034**	**.2433**
Stddev	.001	.001	.001	.000	.003	.004	.003	.000	.0003
%RSD	.0678	.0546	.0351	.0171	.1255	.1836	.1516	.0219	.1288
#1	2.020	2.032	2.015	2.014	2.016	1.988	2.054	2.034	.2430
#2	2.019	2.034	2.016	2.015	2.012	1.993	2.059	2.034	.2435
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	**2.053**	**2.041**	**1.997**	**2.078**	**2.040**	**1.998**	**1.998**	**39.93**	**40.39**
Stddev	.005	.001	.001	.007	.001	.004	.000	.05	.10
%RSD	.2649	.0247	.0571	.3457	.0307	.1754	.0153	.1352	.2530
#1	2.049	2.042	1.996	2.083	2.041	2.000	1.998	39.97	40.32
#2	2.056	2.041	1.997	2.073	2.040	1.995	1.999	39.89	40.47
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	**40.68**	**40.05**	**39.94**	**40.16**	**2.025**	**2.031**	**1.986**	**4.966**	**2.055**
Stddev	.06	.16	.04	.02	.005	.001	.002	.002	.002
%RSD	.1428	.3884	.1004	.0385	.2463	.0663	.0934	.0321	.1016
#1	40.64	39.94	39.91	40.15	2.022	2.030	1.985	4.967	2.053
#2	40.72	40.16	39.96	40.17	2.029	2.032	1.988	4.965	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: ccvconf Acquired: 6/2/2014 12:22:54 Type: QC
Method: Accutest1(v99) 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**	**2.020**	**2.019**	**2.021**	**1.972**	**2.019**	**2.007**
Stddev	.001	.003	.001	.001	.002	.005	.003
%RSD	.0683	.1436	.0641	.0560	.0860	.2540	.1378
#1	2.037	2.018	2.020	2.022	1.973	2.015	2.009
#2	2.035	2.022	2.018	2.020	1.971	2.023	2.005
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	**95157.**	**17828.**	**1883.0**	**5897.8**
Stddev	105.	93.	.2	1.7
%RSD	.11061	.51925	.01166	.02800
#1	95231.	17893.	1883.2	5898.9
#2	95082.	17762.	1882.9	5896.6

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/2/2014 12:28:58 Type: QC
Method: Accutest1(v99) 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**	F **.0010**	**.0009**	**.0006**	**.0002**	**.0005**	**.0006**	**.0003**
Stddev	.0001	.0001	.0003	.0002	.0001	.0002	.0003	.0002	.0001
%RSD	177.5	53.34	27.99	19.26	25.13	120.6	55.21	33.35	51.57
#1	.0000	.0001	.0012	.0010	.0007	.0000	.0003	.0007	.0002
#2	.0002	.0002	.0008	.0008	.0005	.0003	.0007	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0008**	**.0007**	**.0003**	**.0011**	**-.0005**	**.0008**	**-.0001**	**.0015**
Stddev	.0001	.0003	.0007	.0002	.0003	.0004	.0002	.0031	.0028
%RSD	15.94	30.78	89.02	67.30	26.18	76.11	23.03	3138.	183.3
#1	.0005	.0010	.0012	.0005	.0009	-.0002	.0006	-.0023	-.0004
#2	.0004	.0007	.0003	.0002	.0013	-.0007	.0009	.0021	.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	**.0031**	**-.0145**	**.0050**	**-.0009**	**.0029**	F **.0028**	**.0011**	**.0047**	**.0011**
Stddev	.0017	.0123	.0193	.0013	.0002	.0006	.0001	.0020	.0004
%RSD	54.32	84.81	383.3	144.7	8.340	20.49	12.40	42.53	39.58
#1	.0019	-.0058	-.0086	.0000	.0030	.0033	.0010	.0061	.0014
#2	.0043	-.0233	.0187	-.0019	.0027	.0024	.0012	.0033	.0008
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: 6/2/2014 12:28:58 Type: QC
Method: Accutest1(v99) 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**	**.0008**	F **.0143**	**.0008**	**.0021**	**.0006**	**.0007**
Stddev	.0001	.0003	.0009	.0001	.0001	.0003	.0007
%RSD	116.2	37.23	6.120	7.063	3.527	46.46	97.17
#1	.0000	.0006	.0150	.0008	.0021	.0008	.0002
#2	.0002	.0010	.0137	.0009	.0022	.0004	.0012
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	**101310.**	**18187.**	**1964.0**	**6653.5**
Stddev	218.	37.	5.6	11.4
%RSD	.21545	.20135	.28756	.17149
#1	101160.	18213.	1968.0	6661.5
#2	101460.	18161.	1960.0	6645.4

Zoom In Zoom Out

Sample Name: icv Acquired: 6/2/2014 12:36:26 Type: QC
Method: Accutest1(v99) 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	**2.017**	**2.034**	**2.022**	**2.017**	**2.020**	**1.980**	**2.051**	**2.039**	**.2434**
Stddev	.004	.004	.001	.002	.003	.008	.006	.001	.0009
%RSD	.1882	.1698	.0658	.1093	.1283	.3925	.3171	.0381	.3644
#1	2.021	2.036	2.021	2.014	2.018	1.977	2.047	2.040	.2429
#2	2.018	2.037	2.023	2.018	2.019	1.973	2.047	2.039	.2430
#3	2.013	2.030	2.023	2.018	2.023	1.988	2.058	2.039	.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	**2.036**	**2.049**	**2.002**	**2.078**	**2.039**	**1.998**	**2.000**	**39.78**	**40.63**
Stddev	.009	.001	.003	.002	.004	.005	.002	.10	.12
%RSD	.4582	.0315	.1438	.1110	.2035	.2281	.0905	.2481	.2992
#1	2.030	2.049	2.000	2.079	2.043	2.000	2.002	39.84	40.49
#2	2.031	2.048	2.001	2.080	2.038	2.001	1.998	39.84	40.71
#3	2.047	2.050	2.005	2.076	2.035	1.993	2.000	39.67	40.70
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	**40.89**	**40.26**	**39.88**	**40.02**	**2.029**	**2.032**	**1.981**	**4.975**	**2.060**
Stddev	.06	.13	.12	.12	.004	.002	.005	.007	.005
%RSD	.1472	.3218	.2945	.3077	.1934	.0872	.2370	.1473	.2264
#1	40.82	40.12	39.97	40.10	2.025	2.030	1.981	4.972	2.055
#2	40.94	40.38	39.91	40.09	2.028	2.031	1.977	4.970	2.061
#3	40.89	40.28	39.75	39.88	2.033	2.034	1.986	4.983	2.064
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: 6/2/2014 12:36:26 Type: QC
Method: Accutest1(v99) 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	**2.048**	**2.015**	**2.011**	**2.021**	**1.965**	**2.023**	**2.014**
Stddev	.003	.004	.006	.003	.002	.000	.004
%RSD	.1230	.2180	.3165	.1360	.0997	.0141	.1911
#1	2.049	2.012	2.006	2.023	1.963	2.024	2.018
#2	2.045	2.012	2.010	2.018	1.967	2.023	2.011
#3	2.050	2.020	2.018	2.022	1.964	2.023	2.013
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	**95395.**	**17803.**	**1884.1**	**5910.3**
Stddev	359.	92.	1.2	2.0
%RSD	.37582	.51791	.06428	.03424
#1	95666.	17895.	1885.0	5909.5
#2	95531.	17711.	1884.7	5908.9
#3	94988.	17802.	1882.8	5912.6

Zoom In Zoom Out

Sample Name: icb Acquired: 6/2/2014 12:49:57 Type: QC
Method: Accutest1(v99) 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	s **.0007**	s **.0006**	k **.0002**	k **.0000**	k **.0006**	k **.0003**	k **.0004**	k **-.0002**
Stddev	.0003	.0001	.0003	.0004	.0001	.0001	.0001	.0003
%RSD	37.09	24.11	125.0	852.8	21.92	35.33	11.39	115.5
#1	.0006	.0005	.0004	.0003	.0005	.0003	.0005	.0000
#2	s .0009	s .0006	k .0000	k -.0002	k .0007	k .0002	k .0004	k -.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	k **.0000**	k **.0003**	k **.0006**	k **-.0003**	k **.0005**	k **-.0006**	k **.0000**	k **.0011**
Stddev	.0005	.0000	.0003	.0009	.0008	.0001	.002	.0012
%RSD	1859.	15.71	45.40	357.7	148.0	24.95	9654.	107.0
#1	.0004	.0002	.0008	.0004	.0011	-.0007	.0014	.0020
#2	k -.0004	k .0003	k .0004	k -.0009	k .0000	k -.0005	k -.0015	k .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	s **.0091**	s **.0176**	sF **.0108**	s **.0107**	s **.0241**	s **.0177**	k **.0004**	k **.0006**
Stddev	.0027	.0145	.0035	.0020	.0372	.0031	.0007	.0006
%RSD	29.77	82.63	32.12	18.47	154.3	17.63	161.2	106.7
#1	.0072	.0073	.0083	.0121	-.0022	.0155	.0009	.0010
#2	s .0111	s .0278	s .0132	s .0093	s .0504	s .0199	k -.0001	k .0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0100					
Low Limit			-.0100					

Zoom In Zoom Out

Sample Name: icb Acquired: 6/2/2014 12:49:57 Type: QC
Method: Accutest1(v99) 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	k **.0007**	k **.0012**	k **.0005**	s **.0006**	k **.0006**	k **.0040**	k **.0005**	k **.0008**
Stddev	.0001	.0011	.0010	.0000	.0004	.0015	.0001	.0015
%RSD	18.69	90.52	208.2	3.956	65.77	37.56	11.36	192.9
#1	.0006	.0020	.0011	.0006	.0009	.0050	.0005	.0018
#2	k .0008	k .0004	k -.0002	s .0006	k .0003	k .0029	k .0005	k -.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	k **-.0005**	s **.0011**
Stddev	.0004	.0003
%RSD	69.05	23.28
#1	-.0003	.0013
#2	k -.0008	s .0010
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	**101250.**	^ *****	**1962.2**	**6627.6**
Stddev	104.	-----	9.3	32.1
%RSD	.10259	-----	.47583	.48505
#1	101180.	17861.	1955.6	6604.9
#2	101320.	^ -----	1968.8	6650.3

Zoom In Zoom Out

Sample Name: icv Acquired: 6/2/2014 12:56:08 Type: QC
Method: Accutest1(v99) 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	**2.011**	**2.030**	**2.015**	**2.016**	**2.010**	**1.998**	**2.059**	**2.039**	**.2436**
Stddev	.000	.001	.002	.004	.002	.003	.003	.003	.0002
%RSD	.0070	.0561	.1185	.1874	.1171	.1446	.1224	.1371	.0869
#1	2.011	2.029	2.012	2.013	2.012	1.998	2.062	2.038	.2438
#2	2.011	2.031	2.017	2.020	2.010	1.994	2.059	2.042	.2436
#3	2.011	2.030	2.015	2.014	2.007	2.000	2.057	2.036	.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	**2.058**	**2.044**	**1.995**	**2.090**	**2.048**	**1.997**	**1.999**	**39.99**	**40.18**
Stddev	.004	.007	.004	.004	.006	.003	.001	.05	.06
%RSD	.1896	.3622	.2145	.2081	.3187	.1315	.0467	.1155	.1545
#1	2.062	2.041	1.990	2.086	2.049	1.994	1.999	40.03	40.11
#2	2.056	2.053	1.996	2.095	2.053	1.999	1.998	40.00	40.22
#3	2.055	2.039	1.998	2.090	2.040	1.997	1.999	39.94	40.21
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	**40.54**	**39.91**	**39.83**	**40.11**	**2.025**	**2.031**	**1.989**	**4.975**	**2.051**
Stddev	.07	.07	.04	.02	.003	.004	.001	.004	.005
%RSD	.1621	.1738	.0988	.0423	.1395	.2000	.0643	.0771	.2375
#1	40.46	39.83	39.88	40.12	2.022	2.027	1.989	4.971	2.047
#2	40.57	39.97	39.81	40.11	2.027	2.035	1.988	4.976	2.057
#3	40.58	39.93	39.81	40.09	2.026	2.031	1.990	4.978	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: icv Acquired: 6/2/2014 12:56:08 Type: QC
Method: Accutest1(v99) 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	**2.026**	**2.021**	**1.996**	**2.015**	**1.979**	**2.021**	**1.996**
Stddev	.001	.002	.007	.002	.004	.002	.002
%RSD	.0682	.0983	.3508	.1073	.2286	.0969	.0870
#1	2.025	2.023	1.988	2.017	1.980	2.020	1.998
#2	2.026	2.020	2.000	2.013	1.983	2.021	1.995
#3	2.028	2.019	2.000	2.016	1.974	2.023	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	**94773.**	**17772.**	**1886.0**	**5891.7**
Stddev	125.	69.	1.6	8.1
%RSD	.13178	.39055	.08597	.13802
#1	94630.	17852.	1887.7	5893.9
#2	94832.	17731.	1884.5	5882.7
#3	94857.	17733.	1885.8	5898.4

Zoom In Zoom Out

Sample Name: icb Acquired: 6/2/2014 13:11:56 Type: QC
Method: Accutest1(v99) 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**	**.0002**	**.0001**	**.0002**	**-.0005**	**.0001**	**-.0003**	**.0002**
Stddev	.0000	.0000	.0000	.0002	.0003	.0003	.0001	.0002	.0000
%RSD	3.227	9.774	16.90	363.7	164.2	60.74	97.72	64.77	11.55
#1	.0006	.0003	.0002	-.0001	.0003	-.0003	.0002	-.0001	.0002
#2	.0005	.0003	.0002	.0002	.0000	-.0007	.0000	-.0004	.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**	**.0003**	**-.0006**	**.0007**	**.0001**	**.0000**	**.0004**	**.0052**	**.0052**
Stddev	.0002	.0001	.0013	.0010	.0002	.001	.0007	.0029	.0008
%RSD	272.9	32.02	200.8	139.9	134.1	2230.	172.5	55.31	14.55
#1	.0002	.0002	-.0015	.0014	.0000	-.0005	-.0001	.0073	.0047
#2	-.0001	.0003	.0003	.0000	.0003	.0004	.0009	.0032	.0058
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**	**-.0138**	**.0076**	**.0086**	**.0002**	**.0005**	**.0007**	**.0017**	**.0000**
Stddev	.0027	.0017	.0033	.0113	.0000	.0001	.0003	.0000	.000
%RSD	42.17	12.32	43.22	131.8	21.93	23.96	36.35	.3291	384.8
#1	.0083	-.0150	.0053	.0166	.0002	.0004	.0005	.0017	.0001
#2	.0045	-.0126	.0099	.0006	.0002	.0005	.0009	.0017	-.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: icb Acquired: 6/2/2014 13:11:56 Type: QC
Method: Accutest1(v99) 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**	**.0009**	**.0001**	**-.0009**	**-.0003**	**-.0004**
Stddev	.0000	.0003	.0009	.0000	.0010	.0001	.0003
%RSD	10.05	157.7	100.4	19.42	116.0	46.27	78.38
#1	.0005	.0000	.0015	.0001	-.0002	-.0002	-.0002
#2	.0004	.0004	.0003	.0001	-.0016	-.0004	-.0006
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	**100640.**	**18032.**	**1972.4**	**6642.2**
Stddev	100.	54.	2.0	3.9
%RSD	.09952	.30039	.09922	.05819
#1	100710.	18070.	1971.0	6639.5
#2	100560.	17993.	1973.8	6644.9

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/2/2014 13:18:46 Type: QC
Method: Accutest1(v99) 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**	**2.026**	**2.007**	**2.005**	**2.012**	**1.967**	**2.045**	**2.027**	**.2421**
Stddev	.002	.002	.002	.002	.008	.004	.006	.002	.0007
%RSD	.0840	.0900	.1057	.1028	.4016	.1923	.3039	.1172	.2797
#1	2.009	2.027	2.008	2.006	2.013	1.964	2.049	2.029	.2423
#2	2.009	2.029	2.004	2.005	2.002	1.970	2.037	2.027	.2412
#3	2.006	2.025	2.009	2.002	2.011	1.970	2.044	2.024	.2427
#4	2.009	2.025	2.008	2.007	2.022	1.963	2.050	2.028	.2424
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	**2.031**	**2.037**	**1.982**	**2.038**	**2.031**	**1.976**	**1.986**	**39.78**	**40.12**
Stddev	.004	.003	.002	.008	.003	.003	.002	.06	.08
%RSD	.1885	.1559	.1045	.3840	.1457	.1531	.0988	.1527	.1881
#1	2.035	2.042	1.983	2.046	2.035	1.981	1.985	39.82	40.04
#2	2.027	2.037	1.982	2.032	2.029	1.974	1.985	39.83	40.18
#3	2.029	2.035	1.980	2.031	2.029	1.975	1.989	39.77	40.08
#4	2.034	2.035	1.985	2.043	2.033	1.975	1.984	39.70	40.19
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	**40.49**	**39.85**	**39.74**	**40.08**	**2.014**	**2.015**	**1.970**	**4.946**	**2.045**
Stddev	.06	.02	.05	.04	.003	.003	.007	.004	.004
%RSD	.1523	.0448	.1177	.1094	.1476	.1497	.3410	.0838	.1783
#1	40.44	39.85	39.71	40.12	2.018	2.019	1.960	4.946	2.050
#2	40.55	39.87	39.79	40.11	2.011	2.013	1.974	4.943	2.044
#3	40.44	39.83	39.68	40.02	2.013	2.013	1.974	4.943	2.041
#4	40.54	39.84	39.75	40.06	2.014	2.015	1.971	4.952	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: iccv Acquired: 6/2/2014 13:18:46 Type: QC
Method: Accutest1(v99) 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	**2.021**	**2.006**	**1.991**	**2.011**	**1.932**	**2.008**	**1.991**
Stddev	.004	.003	.007	.002	.006	.002	.004
%RSD	.1723	.1516	.3389	.0721	.2977	.1179	.2078
#1	2.020	2.010	1.984	2.012	1.940	2.010	1.991
#2	2.023	2.003	1.988	2.010	1.928	2.004	1.992
#3	2.017	2.005	1.993	2.011	1.928	2.009	1.985
#4	2.025	2.008	1.999	2.013	1.933	2.008	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	**95741.**	**17806.**	**1895.0**	**5939.2**
Stddev	94.	46.	.9	5.3
%RSD	.09840	.25800	.04869	.08869
#1	95711.	17842.	1893.9	5935.5
#2	95856.	17740.	1895.1	5934.5
#3	95764.	17813.	1894.8	5945.8
#4	95632.	17830.	1896.1	5941.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 13:30:15 Type: QC
Method: Accutest1(v99) 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	**.0018**	F **.0016**	F **.0012**	**.0009**	F **.0013**	**.0009**	**.0013**	**.0006**	**.0002**
Stddev	.0002	.0000	.0002	.0003	.0005	.0003	.0001	.0001	.0003
%RSD	8.496	1.487	13.36	39.12	41.25	36.29	7.183	8.313	170.2
#1	.0019	.0016	.0013	.0011	.0016	.0011	.0014	.0006	.0000
#2	.0017	.0015	.0011	.0006	.0009	.0007	.0013	.0007	.0004
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0006		.0012				
Low Limit		-.0010	-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0011**	**.0011**	**.0010**	**.0011**	**.0001**	**.0019**	**.0263**	**.0333**
Stddev	.0003	.0002	.0004	.0010	.0000	.0004	.0005	.0037	.0019
%RSD	20.41	18.04	32.46	99.77	1.386	472.5	28.38	13.95	5.635
#1	.0016	.0013	.0013	.0018	.0011	-.0002	.0023	.0237	.0346
#2	.0012	.0010	.0008	.0003	.0011	.0004	.0015	.0288	.0320
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 **.0309**	**.0006**	**.0523**	**.0376**	**.0017**	F **.0020**	**.0018**	**.0043**	**.0006**
Stddev	.0004	.0194	.0103	.0068	.0003	.0003	.0004	.0011	.0001
%RSD	1.422	3236.	19.77	18.12	20.38	16.79	20.64	25.28	24.87
#1	.0312	.0143	.0596	.0424	.0020	.0022	.0015	.0051	.0007
#2	.0305	-.0131	.0450	.0328	.0015	.0018	.0020	.0035	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100					.0020			
Low Limit	-.0100					-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 13:30:15 Type: QC
Method: Accutest1(v99) 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	F **.0017**	F **.0011**	**.0058**	F **.0012**	**.0000**	**.0013**	**.0019**
Stddev	.0001	.0001	.0006	.0002	.003	.0004	.0002
%RSD	6.678	7.988	11.10	13.47	5772.	28.74	9.204
#1	.0018	.0011	.0063	.0013	-.0018	.0016	.0021
#2	.0016	.0010	.0054	.0011	.0017	.0011	.0018
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.0010	.0010		.0010			
Low Limit	-.0010	-.0010		-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**101650.**	**18056.**	**1974.8**	**6665.3**
Stddev	13.	32.	6.2	8.7
%RSD	.01292	.17830	.31188	.13089
#1	101660.	18079.	1979.2	6671.5
#2	101640.	18034.	1970.5	6659.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/2/2014 13:35:13 Type: QC
Method: Accutest1(v99) 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	**.2051**	**.0024**	**.0038**	**.0506**	**.0112**	**.0099**	**.0165**	**.0103**	**.0053**
Stddev	.0004	.0001	.0001	.0004	.0001	.0001	.0001	.0001	.0000
%RSD	.1934	5.109	3.610	.8432	.8844	1.070	.3784	.5213	.3832
#1	.2048	.0023	.0039	.0503	.0112	.0098	.0165	.0103	.0053
#2	.2054	.0024	.0037	.0509	.0113	.0100	.0166	.0103	.0053
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	**.0539**	**.0238**	**.0087**	**.0104**	**.0035**	**.0099**	**.0068**	**.2073**	**5.161**
Stddev	.0004	.0000	.0003	.0010	.0004	.0005	.0010	.0004	.011
%RSD	.7792	.0398	3.381	9.219	11.64	5.003	14.33	.1727	.2031
#1	.0542	.0238	.0089	.0097	.0038	.0095	.0061	.2070	5.169
#2	.0536	.0238	.0085	.0111	.0033	.0102	.0075	.2075	5.154
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	**.1117**	**5.339**	**5.161**	**5.114**	**.1063**	**.0219**	**.0565**	**.2193**	**.0115**
Stddev	.0021	.037	.006	.004	.0015	.0001	.0004	.0023	.0001
%RSD	1.892	.6975	.1104	.0883	1.435	.3022	.6834	1.057	1.239
#1	.1102	5.313	5.157	5.117	.1052	.0219	.0562	.2176	.0114
#2	.1132	5.365	5.165	5.111	.1074	.0220	.0567	.2209	.0116
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: 6/2/2014 13:35:13 Type: QC
Method: Accutest1(v99) 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	**.0108**	**.0114**	**.0639**	**.0120**	**.0525**	**.0229**	**.0221**
Stddev	.0001	.0003	.0002	.0000	.0004	.0007	.0005
%RSD	1.148	2.624	.3529	.0146	.8501	3.004	2.242
#1	.0107	.0112	.0640	.0120	.0521	.0233	.0218
#2	.0109	.0116	.0637	.0120	.0528	.0224	.0225
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	**101220.**	**18260.**	**1972.9**	**6565.9**
Stddev	230.	53.	9.6	20.3
%RSD	.22708	.29060	.48569	.30848
#1	101060.	18297.	1979.7	6580.3
#2	101380.	18222.	1966.1	6551.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/2/2014 13:41:26 Type: QC
Method: Accutest1(v99) 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**	**.0012**	**.0030**	**.0024**	F **.0013**	**.0033**	**.0038**	**.0012**
Stddev	.0001	.0000	.0000	.0002	.0003	.0002	.0000	.0002	.0001
%RSD	2.673	3.201	.4567	5.653	11.23	12.76	.3504	5.391	4.426
#1	.0042	.0010	.0012	.0029	.0025	.0014	.0033	.0036	.0012
#2	.0040	.0011	.0012	.0032	.0022	.0012	.0033	.0039	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0020			
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	**.0022**	**.0120**	**.0024**	**.0022**	**.0023**	**.0063**	**.0034**	**.1087**	**1.050**
Stddev	.0001	.0001	.0006	.0010	.0007	.0011	.0002	.0016	.001
%RSD	5.871	.7364	23.29	48.71	30.96	18.11	7.279	1.440	.0957
#1	.0022	.0119	.0020	.0029	.0018	.0071	.0036	.1076	1.051
#2	.0021	.0120	.0028	.0014	.0029	.0055	.0032	.1098	1.049
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	**.0020**	**.0891**	**2.096**	**1.041**	**.0099**	**.0001**	**.0005**	**.0011**	**.0002**
Stddev	.0025	.0059	.025	.002	.0005	.0001	.0002	.0002	.0002
%RSD	122.3	6.578	1.172	.1635	4.708	95.75	33.34	19.93	75.71
#1	.0037	.0849	2.113	1.040	.0102	.0001	.0004	.0013	.0001
#2	.0003	.0932	2.079	1.042	.0095	.0000	.0006	.0010	.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: 6/2/2014 13:41:26 Type: QC
Method: Accutest1(v99) 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**	**-.0026**	**.0000**	**.0010**	**-.0008**	**-.0006**
Stddev	.0000	.0003	.0001	.000	.0014	.0006	.0005
%RSD	330.0	144.6	2.611	341.8	145.2	70.67	77.93
#1	.0000	.0004	-.0026	-.0001	.0000	-.0004	-.0003
#2	.0000	.0000	-.0025	.0000	.0020	-.0012	-.0009
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	**101520.**	**18232.**	**1976.0**	**6642.9**
Stddev	108.	45.	7.3	15.9
%RSD	.10618	.24613	.37182	.23931
#1	101440.	18200.	1981.2	6654.1
#2	101590.	18264.	1970.8	6631.6

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 13:47:44 Type: QC
Method: Accutest1(v99) 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**	**.0002**	**.0000**	**.0000**	**-.0003**	**.0000**	**-.0004**	**.0001**
Stddev	.0001	.0000	.0002	.0000	.000	.0000	.0000	.0002	.0000
%RSD	39.07	5.687	131.7	72.98	2358.	11.14	85.39	44.84	2.723
#1	.0001	.0000	.0000	.0000	.0001	-.0003	.0000	-.0006	.0001
#2	.0002	.0000	.0003	.0001	-.0002	-.0003	.0000	-.0003	.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**	**.0002**	**.0203**	**.0000**	**.0210**	**.0221**	**.0210**	**.4932**	**.0124**
Stddev	.0002	.0001	.0003	.001	.0005	.0022	.0007	.0084	.0009
%RSD	382.6	42.04	1.638	13460.	2.434	9.892	3.306	1.697	7.117
#1	-.0002	.0003	.0201	-.0006	.0207	.0205	.0205	.4873	.0130
#2	.0001	.0002	.0206	.0006	.0214	.0236	.0215	.4992	.0118
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	**.5580**	**-.0196**	**-.0058**	**.0005**	**-.0005**	**-.0001**	**.0002**	**-.0013**	**-.0005**
Stddev	.0011	.0274	.0256	.0024	.0000	.0003	.0000	.0000	.0000
%RSD	.1936	139.5	438.1	528.1	2.236	228.9	2.381	3.634	5.087
#1	.5587	-.0390	.0122	-.0012	-.0005	-.0003	.0002	-.0013	-.0005
#2	.5572	-.0003	-.0239	.0021	-.0005	.0001	.0002	-.0012	-.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 13:47:44 Type: QC
Method: Accutest1(v99) 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**	**-.0045**	**-.0002**	**-.0013**	**-.0009**	**-.0001**
Stddev	.0000	.0001	.0007	.0000	.0009	.0008	.0004
%RSD	12.28	102.6	14.91	7.216	75.37	89.94	606.2
#1	.0001	.0000	-.0040	-.0002	-.0006	-.0015	.0002
#2	.0001	-.0001	-.0050	-.0002	-.0019	-.0003	-.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	**103250.**	**18250.**	**1950.1**	**6636.8**
Stddev	157.	94.	1.4	14.8
%RSD	.15213	.51356	.07268	.22353
#1	103360.	18184.	1951.1	6647.3
#2	103130.	18317.	1949.1	6626.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/2/2014 13:54:04 Type: QC
Method: Accutest1(v99) 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**	**-.0001**	**.0021**	**.0034**	**-.0009**	**.0008**	**.0030**	**-.0010**	**.0065**
Stddev	.0000	.0000	.0004	.0001	.0003	.0001	.0001	.0001	.0004
%RSD	.7584	39.44	19.26	4.119	34.76	6.518	1.848	8.056	6.549
#1	-.0008	.0000	.0018	.0035	-.0007	.0008	.0030	-.0009	.0068
#2	-.0008	-.0001	.0023	.0033	-.0012	.0007	.0031	-.0010	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0016**	**.0011**	**.0031**	**-.0022**	**.0197**	**.0092**	**511.5**	**384.4**
Stddev	.0002	.0002	.0002	.0038	.0013	.0021	.0002	.1	4.1
%RSD	17.98	10.19	17.89	123.3	57.91	10.92	2.411	.0257	1.074
#1	-.0010	-.0017	.0010	.0004	-.0013	.0212	.0091	511.4	387.4
#2	-.0012	-.0015	.0013	.0058	-.0030	.0181	.0094	511.6	381.5
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	**195.4**	**542.6**	**-.0206**	**-.0061**	**-.0120**	**-.0013**	**-.0163**	**-.0045**	**.0092**
Stddev	.9	2.8	.0054	.0016	.0010	.0005	.0013	.0017	.0025
%RSD	.4709	.5235	26.06	25.70	7.988	38.02	8.261	37.01	26.93
#1	196.1	544.6	-.0168	-.0050	-.0127	-.0017	-.0154	-.0033	.0110
#2	194.8	540.6	-.0244	-.0072	-.0113	-.0010	-.0173	-.0056	.0074
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: 6/2/2014 13:54:04 Type: QC
Method: Accutest1(v99) 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	**-.0009**	**.0022**	**.0130**	**F .0115**	**-.0463**	**.0016**	**.0061**
Stddev	.0001	.0000	.0010	.0000	.0023	.0000	.0004
%RSD	10.44	.5647	7.440	.3804	4.993	1.942	7.305
#1	-.0010	.0022	.0123	.0116	-.0479	.0016	.0064
#2	-.0008	.0022	.0137	.0115	-.0447	.0016	.0058
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	**85657.**	**17049.**	**1720.2**	**5155.0**
Stddev	213.	56.	.8	3.7
%RSD	.24872	.32718	.04899	.07156
#1	85808.	17009.	1719.6	5157.6
#2	85506.	17088.	1720.8	5152.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 14:00:27 Type: QC
Method: Accutest1(v99) 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	**.5004**	**.4978**	**1.009**	**.4755**	**.4667**	**.5420**	**.5154**	**.9552**	**1.144**
Stddev	.0002	.0004	.004	.0005	.0011	.0008	.0002	.0025	.001
%RSD	.0324	.0878	.3556	.1063	.2364	.1556	.0376	.2593	.0902
#1	.5003	.4981	1.006	.4751	.4659	.5414	.5155	.9535	1.143
#2	.5006	.4974	1.011	.4758	.4675	.5426	.5152	.9570	1.144
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	**.5083**	**.9474**	**1.052**	**.9269**	**.9400**	**1.082**	**1.016**	**518.5**	**365.0**
Stddev	.0002	.0035	.009	.0043	.0011	.008	.002	6.6	1.3
%RSD	.0309	.3725	.9077	.4690	.1166	.7162	.1688	1.281	.3599
#1	.5082	.9449	1.045	.9238	.9392	1.077	1.015	513.8	364.1
#2	.5084	.9499	1.059	.9300	.9407	1.088	1.017	523.2	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	**188.0**	**531.4**	**-.0077**	**.0006**	**-.0141**	**.4900**	**.5267**	**-.0024**	**.0071**
Stddev	.3	.8	.0095	.0044	.0005	.0002	.0001	.0012	.0010
%RSD	.1453	.1474	124.4	745.4	3.242	.0375	.0159	50.68	13.38
#1	187.8	530.9	-.0144	.0037	-.0145	.4901	.5266	-.0016	.0064
#2	188.2	532.0	-.0009	-.0025	-.0138	.4899	.5268	-.0033	.0078
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 14:00:27 Type: QC
Method: Accutest1(v99) 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	**-.0007**	**.0056**	**.5667**	**.5910**	**.4512**	**.5512**	**.5464**
Stddev	.0002	.0002	.0001	.0003	.0036	.0025	.0009
%RSD	21.41	4.144	.0131	.0427	.7891	.4527	.1588
#1	-.0006	.0054	.5666	.5908	.4537	.5495	.5458
#2	-.0008	.0058	.5667	.5912	.4486	.5530	.5470
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	**84188.**	**17064.**	**1728.0**	**5177.9**
Stddev	78.	9.	4.5	1.1
%RSD	.09240	.05322	.26306	.02169
#1	84133.	17070.	1731.2	5177.1
#2	84243.	17057.	1724.8	5178.7

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/2/2014 14:06:43 Type: Unk
Method: Accutest1(v99) 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**	**.0003**	**.0008**	**.0024**	**-.0021**	**-.0013**	**.0058**	**.0003**	**.0035**
Stddev	.0000	.0000	.0001	.0002	.0004	.0001	.0002	.0004	.0006
%RSD	2.532	5.529	13.36	6.456	17.82	4.734	3.032	109.3	15.63
#1	.0004	.0003	.0009	.0023	-.0018	-.0013	.0057	.0006	.0031
#2	.0004	.0003	.0007	.0025	-.0023	-.0012	.0060	.0001	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0009**	**.0060**	**.0019**	**.0000**	**-.0002**	**-.0017**	**.0044**	**.2962**	**.3325**
Stddev	.0001	.0001	.0011	.001	.0004	.0026	.0006	.0664	.0602
%RSD	11.97	2.214	54.79	4793.	166.0	156.8	14.60	22.41	18.09
#1	-.0008	.0061	.0027	.0003	.0000	.0002	.0049	.2492	.2900
#2	-.0009	.0059	.0012	-.0004	-.0005	-.0035	.0039	.3431	.3751

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**215.2**	**.4056**	**-.0335**	**-.0011**	**-.0036**	**-.0106**	**-.0052**	**.0076**	**.0012**
Stddev	.7	.0804	.0018	.0029	.0008	.0001	.0001	.0009	.0008
%RSD	.3155	19.82	5.368	250.9	22.70	1.284	2.767	12.07	68.44
#1	214.7	.3488	-.0348	.0009	-.0042	-.0105	-.0053	.0082	.0018
#2	215.7	.4625	-.0323	-.0032	-.0030	-.0107	-.0051	.0069	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**.0041**	**-.0036**	**.0052**	**.0048**	**-.0001**
Stddev	.0000	.000	.0000	.0001	.0016	.0000	.0001
%RSD	62.46	1614.	.6125	2.959	29.93	.8100	152.3
#1	.0000	-.0001	.0042	-.0037	.0041	.0048	-.0002
#2	.0001	.0001	.0041	-.0036	.0063	.0048	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101740.**	**18176.**	**1932.2**	**6649.6**
Stddev	30.	54.	4.9	16.2
%RSD	.02995	.29723	.25375	.24315
#1	101720.	18214.	1935.7	6661.0
#2	101770.	18138.	1928.7	6638.1

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/2/2014 14:12:58 Type: Unk
Method: Accutest1(v99) 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**	**.0002**	**-.0023**	**10.73**	**.0000**	**-.0011**	**-.0001**	**.0002**
Stddev	.0000	.0000	.0002	.0002	.05	.0002	.0000	.0001	.0001
%RSD	2.274	37.16	95.35	9.381	.4503	599.3	2.655	134.1	48.71
#1	.0006	.0001	.0003	-.0021	10.76	.0002	-.0011	.0000	.0003
#2	.0006	.0002	.0001	-.0024	10.70	-.0001	-.0010	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0258**	**.0058**	**.0007**	**.0003**	**.0009**	**-.0002**	**.0055**	**.0441**	**.0682**
Stddev	.0000	.0002	.0006	.0015	.0006	.0026	.0018	.0036	.0065
%RSD	.0865	3.934	83.67	500.5	65.03	1420.	33.07	8.148	9.606
#1	.0258	.0060	.0012	.0014	.0005	.0016	.0042	.0467	.0635
#2	.0258	.0057	.0003	-.0008	.0014	-.0020	.0068	.0416	.0728

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0302**	**.0446**	**-.0094**	**.0004**	**-.0015**	**.0005**	**.0004**	**.0103**	**-.0019**
Stddev	.0001	.0270	.0146	.0008	.0001	.0001	.0007	.0004	.0005
%RSD	.3300	60.69	156.1	177.4	9.341	23.45	201.7	3.610	26.22
#1	.0301	.0254	.0010	.0010	-.0014	.0006	-.0002	.0100	-.0022
#2	.0303	.0637	-.0197	-.0001	-.0015	.0005	.0009	.0105	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0084**	**-.0022**	**.0034**	**.0113**	**-.0002**
Stddev	.0000	.0001	.0001	.0000	.0006	.0001	.0001
%RSD	402.3	55.38	.6335	1.409	18.48	1.267	54.59
#1	.0000	.0003	-.0083	-.0022	.0039	.0114	-.0001
#2	.0000	.0002	-.0084	-.0022	.0030	.0112	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102050.**	**18094.**	**1921.4**	**6630.3**
Stddev	181.	73.	4.4	9.9
%RSD	.17739	.40190	.23124	.14979
#1	101930.	18145.	1924.5	6637.3
#2	102180.	18042.	1918.2	6623.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 14:19:16 Type: QC
Method: Accutest1(v99) 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	**1.977**	**1.988**	**1.983**	**1.979**	**1.968**	**1.947**	**2.016**	**2.008**	**.2391**
Stddev	.002	.002	.003	.005	.004	.003	.002	.007	.0010
%RSD	.0748	.0838	.1599	.2778	.1810	.1696	.1101	.3376	.4317
#1	1.978	1.987	1.980	1.975	1.966	1.944	2.014	2.004	.2383
#2	1.976	1.990	1.985	1.983	1.971	1.949	2.018	2.013	.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	**2.001**	**2.012**	**1.965**	**2.003**	**2.023**	**1.964**	**1.972**	**39.16**	**39.48**
Stddev	.005	.008	.007	.001	.009	.000	.006	.08	.09
%RSD	.2608	.3810	.3691	.0395	.4313	.0164	.3100	.2153	.2327
#1	1.998	2.006	1.959	2.002	2.017	1.964	1.968	39.22	39.41
#2	2.005	2.017	1.970	2.003	2.029	1.964	1.977	39.10	39.54
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	**39.81**	**39.45**	**39.34**	**39.66**	**1.992**	**1.991**	**1.945**	**4.916**	**2.016**
Stddev	.09	.08	.02	.03	.003	.006	.001	.010	.004
%RSD	.2221	.1937	.0448	.0736	.1537	.2955	.0276	.2080	.1996
#1	39.75	39.39	39.35	39.64	1.989	1.987	1.944	4.908	2.013
#2	39.87	39.50	39.33	39.68	1.994	1.995	1.945	4.923	2.019
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: 6/2/2014 14:19:16 Type: QC
Method: Accutest1(v99) 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	**2.007**	**1.974**	**1.940**	**1.984**	**1.919**	**1.992**	**1.978**
Stddev	.002	.002	.012	.004	.001	.004	.000
%RSD	.0760	.0747	.5977	.2036	.0394	.1858	.0224
#1	2.006	1.973	1.932	1.981	1.918	1.989	1.979
#2	2.008	1.976	1.948	1.987	1.920	1.995	1.978
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	**96851.**	**17987.**	**1904.7**	**5955.9**
Stddev	159.	85.	3.0	9.8
%RSD	.16384	.47499	.15879	.16510
#1	96963.	18048.	1906.8	5962.8
#2	96738.	17927.	1902.5	5948.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 14:25:20 Type: QC
Method: Accutest1(v99) 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**	F **.0006**	**.0003**	**.0002**	**-.0005**	**.0002**	**.0002**	**.0002**
Stddev	.0001	.0001	.0001	.0000	.0001	.0003	.0000	.0002	.0001
%RSD	58.36	72.91	17.24	4.927	36.61	54.49	20.54	132.7	54.72
#1	.0001	.0000	.0006	.0003	.0002	-.0003	.0002	.0000	.0002
#2	.0003	.0001	.0007	.0003	.0003	-.0007	.0002	.0003	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	**.0000**	**.0001**	**.0007**	**-.0001**	**.0007**	**.0019**	**.0023**
Stddev	.0000	.0002	.0002	.0003	.0002	.0008	.0013	.0020	.0019
%RSD	65.03	38.87	533.9	294.5	34.15	999.5	169.8	103.0	85.58
#1	.0000	.0004	.0002	-.0001	.0005	-.0007	-.0001	.0005	.0009
#2	.0001	.0006	-.0001	.0003	.0008	.0005	.0016	.0033	.0036
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	**.0036**	**-.0035**	**.0162**	**-.0036**	**.0008**	**.0013**	**.0007**	**.0033**	**.0000**
Stddev	.0022	.0067	.0013	.0004	.0009	.0000	.0003	.0008	.000
%RSD	61.63	193.4	7.792	11.20	116.0	1.469	51.12	23.56	58080.
#1	.0020	.0013	.0153	-.0033	.0014	.0013	.0009	.0028	-.0002
#2	.0052	-.0082	.0171	-.0039	.0001	.0013	.0004	.0039	.0002
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: 6/2/2014 14:25:20 Type: QC
Method: Accutest1(v99) 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**	**.0006**	**.0002**	**-.0013**	**.0002**	**.0005**
Stddev	.0001	.0001	.0015	.0002	.0012	.0003	.0006
%RSD	52.15	33.27	231.7	98.77	89.93	153.6	112.5
#1	.0001	.0003	.0017	.0004	-.0005	.0000	.0009
#2	.0001	.0004	-.0004	.0001	-.0021	.0004	.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	**101010.**	**18089.**	**1971.7**	**6652.9**
Stddev	13.	63.	3.5	2.1
%RSD	.01322	.34683	.17666	.03105
#1	101020.	18045.	1974.2	6654.3
#2	101000.	18134.	1969.2	6651.4

Zoom In Zoom Out

Sample Name: Sampleconf Acquired: 6/2/2014 14:31:39 Type: Unk
Method: Accutest1(v99) 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	**.0043**	**.0011**	**.0013**	**.0032**	**.0025**	**.0017**	**.0034**	**.0040**	**.0013**
Stddev	.0000	.0000	.0003	.0002	.0001	.0001	.0000	.0002	.0001
%RSD	.5478	2.069	21.70	6.716	3.134	5.476	.9195	4.201	8.313
#1	.0043	.0011	.0015	.0033	.0026	.0016	.0033	.0041	.0012
#2	.0043	.0011	.0011	.0030	.0025	.0018	.0034	.0039	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.0122**	**.0032**	**.0031**	**.0024**	**.0078**	**.0033**	**.1083**	**1.050**
Stddev	.0002	.0001	.0003	.0012	.0007	.0005	.0013	.0087	.001
%RSD	7.858	.6850	9.192	39.90	29.21	6.549	39.80	8.024	.0883
#1	.0022	.0122	.0034	.0040	.0019	.0082	.0043	.1021	1.051
#2	.0020	.0121	.0030	.0022	.0029	.0074	.0024	.1144	1.049

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0014**	**.0939**	**2.115**	**1.049**	**.0096**	**.0001**	**.0002**	**.0017**	**.0003**
Stddev	.0011	.0103	.016	.003	.0005	.0002	.0011	.0003	.0002
%RSD	80.07	10.98	.7336	.3192	4.865	430.1	595.1	18.64	76.33
#1	.0006	.0867	2.104	1.051	.0099	.0002	-.0006	.0019	.0001
#2	.0022	.1012	2.126	1.046	.0092	-.0001	.0010	.0015	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0062**	**.0000**	**.0006**	**.0003**	**-.0001**
Stddev	.0000	.0004	.0003	.000	.0033	.0001	.0005
%RSD	45.07	6236.	5.572	1744.	564.3	44.65	598.9
#1	.0000	.0003	-.0059	.0001	.0029	.0002	.0003
#2	.0001	-.0003	-.0064	-.0001	-.0018	.0004	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100340.**	**18136.**	**1961.6**	**6589.8**
Stddev	110.	70.	.7	6.4
%RSD	.10991	.38647	.03747	.09762
#1	100420.	18087.	1962.2	6594.3
#2	100260.	18186.	1961.1	6585.2

Zoom In Zoom Out

Sample Name: mp79657-mb1conf Acquired: 6/2/2014 14:37:55 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**-.0002**	**-.0001**	**-.0006**	**-.0001**	**-.0003**	**.0001**
Stddev	.0001	.000	.0001	.0001	.0004	.0004	.0000	.0003	.0002
%RSD	60.02	55.05	212.6	32.53	272.2	57.49	45.79	114.2	193.0
#1	.0001	.0000	.0000	-.0002	.0001	-.0009	-.0001	-.0005	.0002
#2	.0002	.0000	.0001	-.0002	-.0004	-.0004	-.0001	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0008**	**-.0006**	**-.0006**	**-.0007**	**.0011**	**.0010**	**-.0012**	**.0013**
Stddev	.0001	.0000	.0005	.0008	.0002	.0004	.0002	.0060	.0031
%RSD	37.05	.5974	80.11	120.4	36.80	39.82	22.74	491.5	245.9
#1	-.0001	.0008	-.0009	-.0012	-.0008	.0008	.0012	.0030	.0034
#2	-.0002	.0008	-.0002	-.0001	-.0005	.0014	.0009	-.0054	-.0009

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0004**	**-.0055**	**-.0227**	**.0020**	**-.0001**	**.0000**	**.0005**	**.0159**	**-.0004**
Stddev	.0012	.0066	.0005	.0040	.0006	.0001	.0004	.0009	.0005
%RSD	284.7	120.8	2.348	201.8	451.0	152.6	89.34	5.952	102.4
#1	-.0004	-.0101	-.0224	.0048	.0003	.0001	.0002	.0165	-.0001
#2	.0013	-.0008	-.0231	-.0008	-.0005	.0000	.0008	.0152	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0044**	**.0002**	**.0003**	**-.0015**	**.0003**
Stddev	.0000	.0001	.0003	.0000	.0001	.0008	.0002
%RSD	26.55	136.6	6.905	10.82	40.29	52.16	64.94
#1	-.0001	.0000	-.0042	.0002	.0002	-.0021	.0001
#2	.0000	.0001	-.0046	.0003	.0004	-.0010	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101130.**	**18239.**	**1941.8**	**6593.0**
Stddev	44.	104.	2.9	5.9
%RSD	.04311	.57236	.15000	.08976
#1	101160.	18165.	1943.9	6597.2
#2	101090.	18313.	1939.8	6588.9

Zoom In Zoom Out

Sample Name: jb67477-1 2 Acquired: 6/2/2014 14:44:10 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0381**	**.0027**	**.0005**	**-.0006**	**.0111**	**.4077**	**.0183**	**.0088**	**.0011**
Stddev	.0001	.0000	.0000	.0002	.0003	.0007	.0001	.0002	.0001
%RSD	.2386	1.294	10.06	33.84	3.092	.1817	.3970	2.598	8.709
#1	.0382	.0026	.0004	-.0008	.0109	.4072	.0183	.0090	.0011
#2	.0380	.0027	.0005	-.0005	.0114	.4083	.0184	.0086	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.2267**	**-.0007**	**-.0018**	**.0150**	**.0162**	**.0054**	**.1216**	**24.61**
Stddev	.0003	.0009	.0006	.0007	.0005	.0004	.0009	.0081	.10
%RSD	70.59	.4045	90.28	40.17	3.514	2.601	17.39	6.693	.4108
#1	.0002	.2260	-.0011	-.0023	.0146	.0165	.0047	.1159	24.54
#2	.0006	.2273	-.0002	-.0013	.0154	.0159	.0060	.1274	24.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.398**	**6.729**	**133.6**	**402.0**	**.0280**	**.0024**	**-.0006**	**3.927**	**.0116**
Stddev	.004	.048	.2	2.1	.0003	.0001	.0007	.000	.0009
%RSD	.3106	.7180	.1364	.5278	.9169	4.477	112.9	.0044	7.433
#1	1.395	6.695	133.4	403.5	.0278	.0023	-.0011	3.927	.0110
#2	1.401	6.764	133.7	400.5	.0282	.0024	-.0001	3.927	.0122

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0932**	**.0040**	**-.0085**	**.0036**	**19.28**	**-.0014**	**.0041**
Stddev	.0001	.0000	.0006	.0001	.04	.0003	.0004
%RSD	.0771	.4967	6.960	2.522	.2268	17.51	9.127
#1	.0932	.0040	-.0081	.0037	19.31	-.0016	.0038
#2	.0933	.0040	-.0089	.0036	19.25	-.0013	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89178.**	**17727.**	**1752.9**	**5419.2**
Stddev	83.	33.	1.0	10.2
%RSD	.09276	.18514	.05465	.18805
#1	89237.	17750.	1752.2	5426.5
#2	89120.	17704.	1753.6	5412.0

Zoom In Zoom Out

Sample Name: jb67495-15a Acquired: 6/2/2014 14:50:25 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8961**	**.0005**	**.0015**	**.0032**	**2.902**	**.1773**	**.0470**	**.0262**	**.0007**
Stddev	.0013	.0000	.0001	.0001	.005	.0003	.0001	.0001	.0004
%RSD	.1461	.1043	8.194	2.673	.1730	.1493	.2780	.5657	54.62
#1	.8970	.0005	.0016	.0033	2.906	.1771	.0471	.0261	.0010
#2	.8952	.0005	.0014	.0031	2.899	.1775	.0469	.0263	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0261**	**.3132**	**.0131**	**-.0009**	**1.261**	**.0228**	**.0122**	**1.246**	**500.8**
Stddev	.0003	.0010	.0002	.0008	.002	.0022	.0016	.006	4.5
%RSD	1.164	.3065	1.383	88.73	.1569	9.739	12.94	.4888	.8942
#1	.0263	.3125	.0129	-.0003	1.260	.0213	.0133	1.242	497.6
#2	.0259	.3139	.0132	-.0014	1.262	.0244	.0111	1.251	503.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.292**	**.8534**	**25.20**	**304.2**	**.0191**	**.0068**	**-.0124**	**3.306**	**.0472**
Stddev	.005	.0062	.05	2.2	.0000	.0003	.0002	.009	.0010
%RSD	.1526	.7217	.1874	.7244	.0502	4.643	1.829	.2668	2.028
#1	3.288	.8577	25.24	305.7	.0191	.0070	-.0123	3.299	.0465
#2	3.295	.8490	25.17	302.6	.0191	.0066	-.0126	3.312	.0479

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.646**	**.0442**	**-.0051**	**.0006**	**1.500**	**.0037**	**.1846**
Stddev	.001	.0006	.0006	.0003	.010	.0006	.0003
%RSD	.0732	1.248	12.16	45.87	.6852	16.61	.1578
#1	1.647	.0446	-.0047	.0004	1.492	.0033	.1844
#2	1.645	.0438	-.0055	.0008	1.507	.0041	.1848

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86296.**	**17361.**	**1701.9**	**5136.8**
Stddev	91.	55.	5.3	3.7
%RSD	.10575	.31423	.31416	.07196
#1	86231.	17400.	1705.7	5134.2
#2	86360.	17323.	1698.1	5139.4

Zoom In Zoom Out

Sample Name: mp79787-mb1 2 Acquired: 6/2/2014 14:56:47 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**-.0001**	**.0002**	**-.0004**	**.0003**	**.0001**	**.0002**
Stddev	.0000	.000	.0000	.0001	.0001	.0001	.0000	.0001	.0000
%RSD	13.91	83.67	13.37	105.3	49.20	21.35	2.087	66.68	15.02
#1	.0001	.0000	-.0001	.0000	.0001	-.0004	.0002	.0002	.0002
#2	.0001	.0000	-.0001	-.0002	.0002	-.0003	.0003	.0001	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0029**	**-.0009**	**.0009**	**.0003**	**.0016**	**.0000**	**.0059**	**.0348**
Stddev	.0000	.0001	.0004	.0007	.0001	.0003	.001	.0073	.0023
%RSD	25.15	3.788	46.52	71.25	48.64	19.42	14700.	123.6	6.541
#1	-.0001	.0030	-.0012	.0005	.0002	.0013	-.0005	.0111	.0332
#2	-.0001	.0029	-.0006	.0014	.0003	.0018	.0004	.0007	.0364

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0249**	**.0045**	**.0213**	**.0351**	**-.0009**	**-.0005**	**.0005**	**.0081**	**.0249**
Stddev	.0004	.0198	.0176	.0047	.0006	.0001	.0003	.0005	.0009
%RSD	1.655	443.3	82.60	13.48	67.32	13.40	69.59	6.364	3.647
#1	.0246	-.0095	.0338	.0317	-.0005	-.0006	.0003	.0084	.0243
#2	.0252	.0185	.0089	.0384	-.0013	-.0005	.0007	.0077	.0256

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0005**	**-.0110**	**-.0003**	**.0095**	**.0001**	**-.0006**
Stddev	.0000	.0006	.0004	.0001	.0009	.0003	.0007
%RSD	31.81	114.7	3.444	51.22	9.682	457.4	117.0
#1	.0000	.0009	-.0113	-.0002	.0102	-.0002	-.0001
#2	.0001	.0001	-.0107	-.0004	.0089	.0003	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100990.**	**18270.**	**1950.7**	**6670.4**
Stddev	133.	81.	4.0	18.2
%RSD	.13170	.44356	.20256	.27226
#1	101090.	18213.	1953.5	6683.2
#2	100900.	18328.	1947.9	6657.6

Zoom In Zoom Out

Sample Name: mp79787-b1 Acquired: 6/2/2014 15:03:00 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.050**	**.1024**	**.1047**	**.9842**	**.4104**	**.4816**	**1.035**	**1.015**	**.1112**
Stddev	.002	.0001	.0002	.0016	.0004	.0018	.001	.001	.0002
%RSD	.0360	.0810	.1520	.1583	.0967	.3661	.0695	.1019	.1367
#1	4.051	.1025	.1046	.9853	.4107	.4804	1.035	1.015	.1113
#2	4.049	.1023	.1048	.9831	.4102	.4829	1.036	1.014	.1111

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9729**	**1.037**	**4.005**	**4.179**	**1.009**	**4.264**	**.9948**	**53.05**	**12.61**
Stddev	.0031	.000	.002	.019	.001	.001	.0004	.05	.02
%RSD	.3219	.0041	.0393	.4493	.1417	.0316	.0408	.1033	.1797
#1	.9707	1.037	4.004	4.166	1.010	4.265	.9945	53.09	12.59
#2	.9751	1.037	4.006	4.193	1.008	4.263	.9951	53.01	12.62

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**53.73**	**12.82**	**12.65**	**12.49**	**.9661**	**.9846**	**.8444**	**.9399**	**1.033**
Stddev	.14	.08	.01	.01	.0026	.0016	.0031	.0002	.001
%RSD	.2556	.6475	.1112	.0584	.2694	.1580	.3628	.0198	.1152
#1	53.63	12.76	12.66	12.50	.9643	.9835	.8423	.9400	1.032
#2	53.82	12.88	12.64	12.49	.9680	.9857	.8466	.9398	1.034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.012**	**.9628**	**-.0055**	**.0012**	**.0019**	**-.0014**	**-.0003**
Stddev	.001	.0004	.0006	.0001	.0011	.0002	.0001
%RSD	.0492	.0438	9.975	4.528	60.39	13.24	35.56
#1	1.011	.9625	-.0059	.0012	.0011	-.0015	-.0002
#2	1.012	.9631	-.0051	.0013	.0027	-.0013	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98886.**	**18055.**	**1918.6**	**6220.4**
Stddev	126.	77.	1.7	2.6
%RSD	.12737	.42488	.09061	.04250
#1	98976.	18109.	1919.8	6218.6
#2	98797.	18001.	1917.4	6222.3

Zoom In Zoom Out

Sample Name: mp79787-lc1 Acquired: 6/2/2014 15:09:01 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.311**	**.6563**	**.7753**	**.3509**	**.6068**	**.3293**	**2.902**	**1.656**	**.2324**
Stddev	.003	.0005	.0019	.0010	.0008	.0004	.010	.002	.0007
%RSD	.2129	.0836	.2493	.2806	.1265	.1170	.3452	.1077	.3080
#1	1.309	.6559	.7740	.3502	.6063	.3290	2.895	1.655	.2319
#2	1.313	.6567	.7767	.3516	.6073	.3296	2.909	1.657	.2329

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6093**	**1.589**	**.7571**	**1.409**	**1.316**	**.8697**	**.4926**	**54.49**	**32.64**
Stddev	.0013	.004	.0028	.009	.001	.0047	.0007	.03	.02
%RSD	.2083	.2849	.3696	.6138	.0607	.5419	.1408	.0463	.0629
#1	.6084	1.586	.7552	1.403	1.316	.8663	.4921	54.47	32.63
#2	.6102	1.593	.7591	1.415	1.317	.8730	.4931	54.51	32.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**72.21**	**19.62**	**17.21**	**3.820**	**.6183**	**.4106**	**-.0091**	**1.031**	**.5888**
Stddev	.08	.04	.07	.003	.0007	.0008	.0004	.015	.0004
%RSD	.1160	.1819	.4255	.0676	.1169	.2019	4.840	1.428	.0763
#1	72.15	19.64	17.16	3.818	.6178	.4101	-.0094	1.041	.5885
#2	72.26	19.59	17.26	3.822	.6188	.4112	-.0088	1.020	.5891

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5781**	**1.729**	**-.0018**	**.0523**	**1.202**	**-.0047**	**.0456**
Stddev	.0008	.001	.0010	.0001	.008	.0009	.0002
%RSD	.1459	.0763	57.39	.1766	.6474	18.44	.4744
#1	.5775	1.728	-.0025	.0522	1.197	-.0053	.0454
#2	.5787	1.730	-.0011	.0523	1.208	-.0041	.0457

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99867.**	**18579.**	**1951.5**	**6145.4**
Stddev	248.	19.	5.6	7.9
%RSD	.24789	.10371	.28753	.12900
#1	100040.	18565.	1955.5	6151.0
#2	99692.	18593.	1947.6	6139.8

Zoom In Zoom Out

Sample Name: jb68006-1a Acquired: 6/2/2014 15:15:01 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3306**	**.0037**	**.0022**	**.0537**	**.1472**	**.2201**	**2.804**	**.1299**	**.0010**
Stddev	.0002	.0000	.0001	.0001	.0003	.0008	.006	.0002	.0001
%RSD	.0626	.2214	2.410	.1856	.1984	.3531	.2275	.1687	7.010
#1	.3304	.0037	.0021	.0537	.1474	.2206	2.809	.1297	.0009
#2	.3307	.0037	.0022	.0536	.1470	.2195	2.800	.1300	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2486**	**1.295**	**.0251**	**-.0006**	**.1608**	**.0055**	**.0035**	**89.78**	**83.89**
Stddev	.0011	.004	.0007	.0000	.0016	.0001	.0011	.26	.23
%RSD	.4523	.3082	2.593	8.263	1.012	1.222	32.41	.2926	.2794
#1	.2494	1.298	.0246	-.0006	.1620	.0055	.0027	89.60	84.06
#2	.2478	1.292	.0255	-.0006	.1597	.0054	.0042	89.97	83.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**152.8**	**32.08**	**7.136**	**10.90**	**.0373**	**.0076**	**-.0135**	**.7979**	**.0213**
Stddev	.2	.14	.016	.04	.0007	.0001	.0001	.0046	.0006
%RSD	.1533	.4508	.2258	.3576	1.894	1.505	1.073	.5733	2.602
#1	152.9	32.19	7.125	10.87	.0378	.0075	-.0134	.8012	.0209
#2	152.6	31.98	7.148	10.93	.0368	.0076	-.0136	.7947	.0217

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4655**	**4.046**	**.0017**	**.0623**	**4.378**	**-.0060**	**.0672**
Stddev	.0001	.009	.0001	.0004	.001	.0007	.0002
%RSD	.0295	.2167	6.555	.6355	.0161	11.50	.3652
#1	.4656	4.052	.0018	.0621	4.378	-.0065	.0670
#2	.4654	4.040	.0016	.0626	4.377	-.0055	.0674

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99395.**	**18689.**	**1936.6**	**5994.7**
Stddev	131.	14.	.7	6.7
%RSD	.13169	.07709	.03650	.11257
#1	99302.	18679.	1937.1	5999.5
#2	99487.	18699.	1936.1	5989.9

Zoom In Zoom Out

Sample Name: jb68006-2a Acquired: 6/2/2014 15:21:07 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 3rd multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3452**	**.0036**	**.0023**	**.0563**	**.1331**	**.2229**	**2.512**	**.1089**	**.0019**
Stddev	.0003	.0000	.0001	.0001	.0010	.0003	.015	.0004	.0001
%RSD	.0993	.8471	3.779	.2070	.7833	.1152	.5964	.3644	7.010
#1	.3450	.0037	.0023	.0562	.1324	.2227	2.501	.1092	.0018
#2	.3455	.0036	.0022	.0564	.1339	.2231	2.522	.1086	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2111**	**.6510**	**.0181**	**-.0012**	**.1048**	**.0061**	**.0039**	**74.60**	**57.04**
Stddev	.0008	.0010	.0006	.0011	.0012	.0006	.0006	.05	.23
%RSD	.3816	.1598	3.058	89.11	1.182	10.25	14.35	.0690	.4087
#1	.2105	.6503	.0177	-.0019	.1057	.0056	.0043	74.64	56.88
#2	.2117	.6518	.0185	-.0004	.1039	.0065	.0035	74.57	57.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**132.7**	**21.62**	**7.782**	**7.683**	**.0480**	**-.0030**	**-.0115**	**1.758**	**.0256**
Stddev	.3	.08	.016	.006	.0003	.0000	.0001	.001	.0002
%RSD	.2221	.3597	.2080	.0770	.5861	.6787	.5211	.0279	.8868
#1	132.5	21.56	7.770	7.679	.0478	-.0030	-.0116	1.757	.0255
#2	132.9	21.67	7.793	7.687	.0482	-.0030	-.0115	1.758	.0258

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3851**	**2.872**	**.0037**	**.0549**	**2.833**	**-.0058**	**.0714**
Stddev	.0010	.014	.0000	.0002	.004	.0007	.0005
%RSD	.2557	.4814	.0607	.3196	.1266	11.41	.6962
#1	.3844	2.863	.0037	.0548	2.831	-.0054	.0711
#2	.3858	2.882	.0037	.0550	2.836	-.0063	.0718

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99095.**	**18472.**	**1923.5**	**6016.5**
Stddev	367.	46.	.8	2.1
%RSD	.37039	.24652	.04256	.03478
#1	99354.	18504.	1922.9	6018.0
#2	98835.	18440.	1924.1	6015.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 15:27:16 Type: QC
Method: Accutest1(v99) 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	**1.998**	**2.015**	**1.982**	**1.992**	**1.983**	**2.035**	**2.088**	**2.030**	**.2444**
Stddev	.005	.004	.005	.004	.002	.002	.002	.003	.0008
%RSD	.2543	.1844	.2790	.2200	.0859	.0899	.0941	.1247	.3074
#1	2.002	2.017	1.978	1.989	1.982	2.036	2.089	2.028	.2450
#2	1.994	2.012	1.986	1.995	1.985	2.033	2.086	2.032	.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	**2.114**	**2.032**	**1.957**	**2.030**	**2.064**	**1.970**	**1.986**	**40.77**	**38.96**
Stddev	.000	.004	.009	.016	.004	.013	.007	.08	.01
%RSD	.0159	.1893	.4499	.8057	.1702	.6502	.3371	.1871	.0381
#1	2.113	2.030	1.951	2.018	2.062	1.961	1.981	40.82	38.95
#2	2.114	2.035	1.964	2.042	2.067	1.979	1.991	40.71	38.97
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	**39.62**	**39.15**	**40.15**	**40.97**	**1.986**	**2.008**	**1.994**	**4.950**	**2.012**
Stddev	.04	.11	.04	.02	.006	.010	.003	.018	.009
%RSD	.1056	.2893	.0978	.0376	.3275	.4783	.1339	.3567	.4600
#1	39.65	39.07	40.17	40.98	1.982	2.001	1.996	4.937	2.005
#2	39.59	39.23	40.12	40.96	1.991	2.015	1.993	4.962	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: 6/2/2014 15:27:16 Type: QC
Method: Accutest1(v99) 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	**1.988**	**2.029**	**1.949**	**2.002**	**1.951**	**2.002**	**1.993**
Stddev	.006	.002	.013	.000	.014	.005	.004
%RSD	.3133	.0879	.6614	.0004	.7331	.2551	.1765
#1	1.993	2.030	1.940	2.002	1.941	1.998	1.995
#2	1.984	2.028	1.958	2.002	1.962	2.005	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	**93309.**	**17606.**	**1895.7**	**5868.6**
Stddev	123.	76.	4.8	15.1
%RSD	.13217	.43391	.25152	.25772
#1	93396.	17660.	1899.1	5879.3
#2	93222.	17552.	1892.3	5857.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 15:35:38 Type: QC
Method: Accutest1(v99) 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**	**.0005**	**.0003**	**.0006**	**-.0005**	**.0002**	**-.0002**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0003	.0001	.0000	.0002	.0002
%RSD	16.68	10.23	10.70	14.89	49.56	21.72	23.23	81.42	181.2
#1	.0003	.0001	.0005	.0003	.0004	-.0006	.0002	-.0003	-.0002
#2	.0004	.0001	.0005	.0003	.0008	-.0004	.0001	-.0001	.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**	**.0005**	**-.0004**	**.0009**	**-.0003**	**.0004**	**.0010**	**.0104**	**.0029**
Stddev	.0001	.0002	.0011	.0009	.0003	.0003	.0006	.0060	.0021
%RSD	43.49	32.93	261.3	107.7	92.12	79.29	60.40	57.45	72.62
#1	.0002	.0006	.0003	.0002	-.0001	.0006	.0006	.0146	.0014
#2	.0003	.0004	-.0012	.0015	-.0005	.0002	.0014	.0062	.0043
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	**.0066**	**-.0140**	**.0119**	**.0075**	**.0001**	**.0007**	**.0007**	**.0034**	**.0006**
Stddev	.0006	.0033	.0308	.0023	.0002	.0003	.0006	.0000	.0004
%RSD	9.436	23.27	257.9	30.77	171.3	43.99	82.74	1.300	59.91
#1	.0061	-.0163	-.0098	.0092	.0003	.0009	.0003	.0034	.0008
#2	.0070	-.0117	.0337	.0059	.0000	.0004	.0011	.0033	.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: 6/2/2014 15:35:38 Type: QC
Method: Accutest1(v99) 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**	**-.0047**	**.0000**	**.0008**	**.0001**	**.0002**
Stddev	.0001	.0001	.0024	.000	.0002	.0003	.0007
%RSD	46.02	50.72	50.36	950.3	23.72	340.3	386.8
#1	.0001	.0002	-.0031	-.0002	.0010	.0003	-.0003
#2	.0003	.0003	-.0064	.0001	.0007	-.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	**101150.**	**17864.**	**1951.4**	**6618.6**
Stddev	250.	1.	1.3	2.9
%RSD	.24680	.00680	.06674	.04426
#1	100970.	17864.	1952.3	6620.7
#2	101330.	17865.	1950.4	6616.5

Zoom In Zoom Out

Sample Name: jb67965-1 2 Acquired: 6/2/2014 15:41:56 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 5th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0256**	**.0001**	**.0004**	**.0006**	**.0065**	**.0144**	**.0282**	**.0048**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0001	.0001	.0001
%RSD	.3317	25.48	11.57	11.19	2.701	.3505	.2584	1.618	36.85
#1	.0256	.0001	.0005	.0007	.0064	.0143	.0283	.0048	.0002
#2	.0257	.0001	.0004	.0006	.0067	.0144	.0282	.0047	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.1023**	**.0000**	**-.0009**	**.0081**	**.0028**	**.0019**	**1.124**	**1.548**
Stddev	.0000	.0001	.001	.0007	.0003	.0006	.0000	.006	.011
%RSD	.5639	.1172	1874.	73.66	3.665	23.19	1.545	.5633	.6985
#1	.0047	.1022	.0003	-.0004	.0079	.0032	.0019	1.119	1.556
#2	.0047	.1024	-.0004	-.0014	.0083	.0023	.0019	1.128	1.541

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.638**	**.6005**	**.0999**	**.2743**	**.0120**	**.0004**	**.0007**	**1.021**	**.0176**
Stddev	.012	.0044	.0077	.0034	.0004	.0001	.0006	.003	.0001
%RSD	.4380	.7397	7.675	1.230	3.456	24.09	98.60	.2432	.7641
#1	2.646	.6037	.1054	.2767	.0117	.0005	.0011	1.022	.0177
#2	2.630	.5974	.0945	.2719	.0122	.0004	.0002	1.019	.0175

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0044**	**.1409**	**-.0090**	**.0075**	**.3435**	**-.0006**	**.0007**
Stddev	.0000	.0000	.0002	.0003	.0011	.0000	.0006
%RSD	.3991	.0052	2.245	3.504	.3238	6.959	78.15
#1	.0044	.1409	-.0091	.0077	.3427	-.0006	.0012
#2	.0045	.1409	-.0088	.0073	.3443	-.0007	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102800.**	**18231.**	**1922.9**	**6689.4**
Stddev	96.	6.	3.3	1.1
%RSD	.09380	.03114	.17328	.01640
#1	102730.	18235.	1920.6	6690.2
#2	102860.	18227.	1925.3	6688.7

Zoom In Zoom Out

Sample Name: jb67965-2 Acquired: 6/2/2014 15:48:30 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 5th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**.0000**	**.0001**	**-.0001**	**.0005**	**.0000**	**.0022**	**.0001**	**.0001**
Stddev	.0000	.000	.0002	.0000	.0002	.000	.0000	.0001	.0002
%RSD	1.851	476.2	154.7	23.52	39.44	514.3	2.178	108.7	244.0
#1	.0007	.0000	.0003	-.0001	.0004	-.0002	.0022	.0002	.0003
#2	.0007	.0000	.0000	-.0001	.0007	.0001	.0022	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0024**	**-.0005**	**-.0018**	**-.0002**	**.0021**	**.0025**	**.0025**	**.0894**
Stddev	.0001	.0001	.0005	.0000	.0001	.0001	.0004	.0025	.0025
%RSD	32.24	2.719	90.28	.8548	31.01	2.591	17.53	101.3	2.820
#1	-.0002	.0024	-.0009	-.0018	-.0002	.0021	.0022	.0007	.0911
#2	-.0004	.0023	-.0002	-.0018	-.0001	.0021	.0028	.0042	.0876

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2417**	**.0198**	**.0064**	**.0630**	**.0024**	**-.0004**	**.0008**	**.0244**	**.0232**
Stddev	.0000	.0170	.0026	.0057	.0004	.0000	.0001	.0000	.0003
%RSD	.0165	85.61	40.11	8.986	16.76	10.83	6.975	.0643	1.096
#1	.2417	.0318	.0082	.0590	.0027	-.0004	.0009	.0244	.0234
#2	.2417	.0078	.0046	.0670	.0021	-.0003	.0008	.0244	.0231

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0031**	**-.0109**	**.0012**	**.2518**	**-.0009**	**.0000**
Stddev	.0000	.0001	.0002	.0000	.0022	.0001	.0003
%RSD	8.386	2.018	1.743	2.035	.8788	11.74	4319.
#1	.0003	.0031	-.0111	.0012	.2534	-.0008	.0002
#2	.0003	.0031	-.0108	.0012	.2502	-.0010	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101600.**	**18143.**	**1944.5**	**6689.9**
Stddev	465.	111.	4.2	1.2
%RSD	.45776	.61052	.21805	.01738
#1	101930.	18222.	1941.5	6690.7
#2	101270.	18065.	1947.5	6689.1

Zoom In Zoom Out

Sample Name: mp79610a-mb1conf Acquired: 6/2/2014 15:54:47 Type: Unk
Method: Accutest1(v99) 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	**.0002**	**.0000**	**-.0001**	**-.0001**	**.0004**	**-.0004**	**.0002**	**-.0001**	**.0002**
Stddev	.0001	.000	.0001	.0000	.0002	.0003	.0000	.0000	.0004
%RSD	43.41	133.0	100.2	16.50	40.61	57.76	10.07	2.280	252.1
#1	.0001	.0000	-.0001	-.0002	.0003	-.0006	.0002	-.0001	.0005
#2	.0002	.0000	.0000	-.0001	.0005	-.0003	.0002	-.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0030**	**-.0016**	**.0007**	**.0000**	**-.0006**	**-.0001**	**.0082**	**.0101**
Stddev	.0002	.0001	.0004	.0001	.000	.0034	.0003	.0004	.0006
%RSD	76.45	1.960	22.57	18.71	2258.	538.0	304.3	5.079	5.725
#1	-.0003	.0030	-.0019	.0006	-.0002	.0018	.0001	.0085	.0105
#2	-.0001	.0031	-.0013	.0008	.0002	-.0030	-.0003	.0079	.0097

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0198**	**-.0061**	**.0080**	**.0000**	**-.0013**	**-.0006**	**.0004**	**.0016**	**.0150**
Stddev	.0001	.0030	.0093	.0019	.0001	.0000	.0002	.0001	.0005
%RSD	.4977	48.73	116.9	4315.	9.048	4.826	35.48	4.751	3.357
#1	.0199	-.0040	.0014	-.0013	-.0012	-.0006	.0003	.0017	.0154
#2	.0197	-.0082	.0145	.0014	-.0013	-.0006	.0006	.0016	.0147

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0111**	**-.0004**	**.0011**	**-.0008**	**.0001**
Stddev	.0000	.0001	.0010	.0001	.0007	.0004	.0005
%RSD	83.24	65.15	8.854	26.65	61.89	50.68	938.8
#1	.0000	.0001	-.0118	-.0003	.0016	-.0011	-.0003
#2	.0000	.0002	-.0104	-.0005	.0006	-.0005	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100110.**	**18140.**	**1971.0**	**6692.1**
Stddev	132.	23.	4.4	2.0
%RSD	.13216	.12582	.22377	.03024
#1	100210.	18124.	1974.1	6690.7
#2	100020.	18156.	1967.9	6693.6

Zoom In Zoom Out

Sample Name: mp79610a-s2 2 Acquired: 6/2/2014 16:01:05 Type: Unk
Method: Accutest1(v99) 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	**3.795**	**.1037**	**.0943**	**.9255**	**.6021**	**.4586**	**4.734**	**.9913**	**.0825**
Stddev	.009	.0008	.0001	.0001	.0007	.0006	.004	.0026	.0020
%RSD	.2410	.7968	.1465	.0121	.1120	.1338	.0739	.2620	2.382
#1	3.801	.1043	.0944	.9256	.6026	.4590	4.732	.9895	.0839
#2	3.788	.1031	.0942	.9254	.6017	.4581	4.737	.9932	.0811

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.645**	**1.662**	**3.720**	**3.450**	**.9365**	**3.720**	**.5985**	**148.2**	**19.91**
Stddev	.001	.002	.001	.024	.0010	.017	.0005	.7	.07
%RSD	.0879	.1151	.0326	.6910	.1064	.4578	.0816	.5052	.3595
#1	1.644	1.661	3.721	3.467	.9358	3.732	.5988	148.7	19.96
#2	1.646	1.664	3.720	3.433	.9372	3.708	.5981	147.7	19.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**809.5**	**26.10**	**32.77**	**11.92**	**.0719**	**-.0378**	**-.0318**	**6.311**	**.0352**
Stddev	11.6	.08	.02	.03	.0014	.0003	.0003	.005	.0003
%RSD	1.428	.3092	.0536	.2797	1.905	.8168	.8269	.0801	.7611
#1	817.6	26.16	32.78	11.95	.0709	-.0380	-.0320	6.315	.0350
#2	801.3	26.04	32.76	11.90	.0728	-.0376	-.0316	6.308	.0354

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0565**	**1.154**	**.0287**	**.0412**	**1.704**	**.0051**	**.1262**
Stddev	.0000	.001	.0009	.0006	.001	.0006	.0022
%RSD	.0675	.0607	3.114	1.381	.0415	11.80	1.735
#1	.0566	1.154	.0280	.0416	1.705	.0055	.1247
#2	.0565	1.155	.0293	.0408	1.704	.0046	.1277

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97794.**	**18153.**	**1892.7**	**6324.5**
Stddev	24.	99.	1.1	1.1
%RSD	.02435	.54542	.05987	.01690
#1	97777.	18083.	1893.5	6323.7
#2	97811.	18223.	1891.9	6325.2

Zoom In Zoom Out

Sample Name: jb66521-2t Acquired: 6/2/2014 16:07:12 Type: Unk
Method: Accutest1(v99) 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	**.9433**	**.0015**	**.2543**	**.0891**	**.5834**	**25.08**	**2.210**	**3.066**	**.0094**
Stddev	.0004	.0001	.0005	.0002	.0014	.05	.004	.000	.0004
%RSD	.0393	3.665	.1987	.2020	.2446	.2041	.1899	.0047	4.754
#1	.9430	.0014	.2546	.0890	.5844	25.05	2.213	3.066	.0090
#2	.9435	.0015	.2539	.0893	.5824	25.12	2.207	3.066	.0097

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1111**	**14.45**	**.1212**	**.0021**	**9.973**	**-.0093**	**.1071**	**46.38**	**30.49**
Stddev	.0005	.01	.0014	.0010	.007	.0026	.0011	.09	.02
%RSD	.4464	.1004	1.185	45.20	.0657	28.44	1.055	.2016	.0784
#1	.1114	14.46	.1222	.0028	9.969	-.0074	.1063	46.44	30.51
#2	.1107	14.44	.1202	.0014	9.978	-.0112	.1079	46.31	30.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**474.5**	**6.700**	**7.593**	**1.753**	**.0905**	**.0310**	**-.0108**	**6.255**	**3.516**
Stddev	.7	.010	.003	.001	.0000	.0003	.0001	.004	.002
%RSD	.1502	.1503	.0436	.0281	.0008	1.056	.8400	.0629	.0658
#1	474.0	6.707	7.590	1.753	.0905	.0312	-.0109	6.253	3.518
#2	475.0	6.693	7.595	1.754	.0905	.0308	-.0108	6.258	3.515

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1219**	**.9893**	**.0814**	**.0117**	**49.26**	**-.0127**	**.0338**
Stddev	.0001	.0018	.0017	.0001	.23	.0004	.0007
%RSD	.1064	.1832	2.102	.5417	.4707	3.003	2.144
#1	.1220	.9906	.0826	.0117	49.43	-.0130	.0343
#2	.1218	.9880	.0802	.0116	49.10	-.0124	.0333

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96924.**	**18099.**	**1846.2**	**6396.9**
Stddev	14.	28.	.2	2.9
%RSD	.01492	.15369	.01239	.04548
#1	96913.	18080.	1846.1	6398.9
#2	96934.	18119.	1846.4	6394.8

Zoom In Zoom Out

Sample Name: mp79724-mb1conf Acquired: 6/2/2014 16:13:28 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0008**	**-.0001**	**.0002**	**.0000**	**.0105**	**-.0004**	**.0009**	**-.0003**	**.0001**
Stddev	.0001	.0000	.0000	.000	.0001	.0001	.0000	.0002	.0004
%RSD	9.487	20.57	11.78	173.1	.8693	32.28	1.587	69.19	479.2
#1	.0008	-.0001	.0002	.0000	.0104	-.0005	.0010	-.0004	-.0002
#2	.0009	-.0001	.0002	-.0001	.0106	-.0003	.0009	-.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0044**	**-.0009**	**-.0012**	**.0002**	**.0009**	**.0013**	**.0259**	**.1809**
Stddev	.0001	.0001	.0001	.0011	.0000	.0013	.0002	.0037	.0013
%RSD	80.70	1.245	8.908	94.77	.9034	144.1	12.46	14.23	.7246
#1	.0000	.0045	-.0008	-.0020	.0002	.0000	.0014	.0233	.1800
#2	.0002	.0044	-.0009	-.0004	.0002	.0018	.0012	.0286	.1818

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0776**	**.0238**	**.0166**	**.0487**	**-.0009**	**-.0003**	**-.0001**	**.0290**	**.0197**
Stddev	.0012	.0038	.0270	.0043	.0001	.0002	.0004	.0002	.0002
%RSD	1.582	15.87	162.6	8.748	12.40	52.48	339.1	.7507	.7888
#1	.0767	.0212	-.0025	.0517	-.0008	-.0002	-.0004	.0288	.0196
#2	.0784	.0265	.0357	.0457	-.0010	-.0004	.0002	.0291	.0198

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0010**	**-.0090**	**-.0002**	**.0201**	**-.0014**	**-.0002**
Stddev	.0000	.0001	.0005	.0001	.0004	.0013	.0001
%RSD	3.650	8.040	5.402	69.72	1.925	87.08	40.44
#1	.0003	.0011	-.0087	-.0001	.0204	-.0006	-.0002
#2	.0003	.0010	-.0094	-.0003	.0198	-.0023	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102070.**	**18231.**	**1945.9**	**6622.2**
Stddev	274.	1.	4.3	10.2
%RSD	.26831	.00506	.22323	.15411
#1	101870.	18230.	1949.0	6629.5
#2	102260.	18232.	1942.8	6615.0

Zoom In Zoom Out

Sample Name: jb67495-13a 2 Acquired: 6/2/2014 16:19:45 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7603**	**.0085**	**.0116**	**.6551**	**164.4**	**.4691**	**6.044**	**3.645**	**-.0125**
Stddev	.0000	.0000	.0007	.0030	.1	.0013	.013	.006	.0005
%RSD	.0056	.2413	5.784	.4645	.0415	.2684	.2106	.1528	3.808
#1	.7603	.0085	.0111	.6530	164.3	.4700	6.035	3.641	-.0121
#2	.7602	.0085	.0121	.6573	164.4	.4682	6.053	3.649	-.0128

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.077**	**1.692**	**.2975**	**.0036**	**.0731**	**-.0068**	**1.849**	**242.7**	**1537.**
Stddev	.006	.004	.0040	.0009	.0020	.0049	.002	.7	14.
%RSD	.1949	.2188	1.339	25.06	2.691	71.37	.0980	.2887	.8779
#1	3.081	1.689	.2947	.0030	.0717	-.0102	1.847	242.2	1547.
#2	3.073	1.695	.3003	.0043	.0745	-.0034	1.850	243.2	1528.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**387.7**	**231.8**	**7.988**	**59.35**	**.1393**	**.0305**	**-.0509**	**2.941**	**.0032**
Stddev	2.2	.4	.024	.20	.0009	.0007	.0004	.009	.0011
%RSD	.5631	.1690	.3010	.3394	.6549	2.326	.8104	.2912	36.08
#1	389.2	232.0	7.971	59.21	.1386	.0300	-.0512	2.934	.0024
#2	386.1	231.5	8.005	59.49	.1399	.0310	-.0506	2.947	.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.859**	**7.941**	**.0174**	**.0687**	**38.68**	**.3578**	**.1956**
Stddev	.003	.010	.0012	.0011	.29	.0040	.0005
%RSD	.1543	.1246	6.763	1.537	.7622	1.119	.2782
#1	1.861	7.948	.0166	.0694	38.47	.3550	.1952
#2	1.857	7.934	.0182	.0679	38.89	.3606	.1960

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81831.**	**16907.**	**999.18**	**4879.0**
Stddev	27.	25.	1.49	10.9
%RSD	.03352	.14716	.14927	.22284
#1	81812.	16925.	1000.2	4886.7
#2	81850.	16890.	998.13	4871.3

Zoom In Zoom Out

Sample Name: jb67495-18a Acquired: 6/2/2014 16:26:19 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**12.31**	**.0046**	**.0675**	**.0760**	**1.730**	**8.162**	**9.508**	**.2628**	**-.0049**
Stddev	.04	.0000	.0002	.0002	.003	.022	.070	.0006	.0002
%RSD	.3470	.9998	.2399	.2074	.1802	.2687	.7405	.2134	4.572
#1	12.34	.0046	.0676	.0761	1.732	8.177	9.558	.2632	-.0051
#2	12.28	.0046	.0674	.0759	1.728	8.146	9.458	.2624	-.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3000**	**19.36**	**.7808**	**-.0108**	**17.76**	**-.0241**	**.0870**	**61.98**	**65.55**
Stddev	.0009	.00	.0033	.0019	.03	.0006	.0008	.04	.17
%RSD	.2860	.0116	.4195	17.91	.1826	2.576	.9472	.0570	.2572
#1	.3006	19.36	.7785	-.0122	17.78	-.0237	.0864	62.00	65.43
#2	.2994	19.37	.7831	-.0094	17.74	-.0245	.0876	61.95	65.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**357.2**	**12.45**	**7.752**	**3.446**	**.0608**	**.0158**	**-.0144**	**2.880**	**4.120**
Stddev	.5	.05	.005	.002	.0005	.0003	.0010	.005	.017
%RSD	.1295	.3744	.0642	.0456	.8824	1.600	6.685	.1915	.4104
#1	357.6	12.42	7.756	3.447	.0612	.0160	-.0137	2.876	4.108
#2	356.9	12.48	7.749	3.445	.0604	.0156	-.0151	2.884	4.132

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8285**	**1.774**	**.4565**	**.0140**	**9.480**	**.1060**	**.1071**
Stddev	.0006	.002	.0015	.0001	.025	.0015	.0004
%RSD	.0714	.1304	.3235	.8603	.2581	1.397	.3632
#1	.8281	1.776	.4555	.0140	9.463	.1071	.1069
#2	.8289	1.772	.4576	.0139	9.497	.1050	.1074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95947.**	**18229.**	**1881.2**	**6227.7**
Stddev	251.	86.	4.9	1.3
%RSD	.26150	.47275	.25782	.02137
#1	95769.	18290.	1884.7	6226.7
#2	96124.	18168.	1877.8	6228.6

Zoom In Zoom Out

Sample Name: mp79742-mb1conf Acquired: 6/2/2014 16:32:40 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**-.0001**	**.0001**	**-.0003**	**.0008**	**-.0002**	**.0003**	**.0002**	**-.0001**
Stddev	.0000	.0000	.0001	.0001	.0005	.0000	.0000	.0001	.0002
%RSD	2.397	6.941	82.72	44.82	60.49	14.66	2.108	45.36	164.4
#1	.0007	-.0001	.0001	-.0002	.0011	-.0002	.0003	.0003	-.0002
#2	.0007	-.0001	.0000	-.0004	.0005	-.0002	.0003	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0032**	**-.0014**	**-.0016**	**.0001**	**.0015**	**.0003**	**.0049**	**.0860**
Stddev	.0000	.0002	.0006	.0007	.0004	.0011	.0001	.0094	.0017
%RSD	27.77	6.955	42.90	45.26	259.4	74.94	19.39	189.5	1.994
#1	.0001	.0031	-.0010	-.0011	-.0001	.0023	.0004	.0116	.0848
#2	.0001	.0034	-.0018	-.0021	.0004	.0007	.0003	-.0017	.0872

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0398**	**.0156**	**-.0142**	**.0377**	**-.0013**	**-.0003**	**.0004**	**.0269**	**.0104**
Stddev	.0010	.0024	.0203	.0009	.0006	.0002	.0002	.0006	.0003
%RSD	2.599	15.55	142.7	2.480	49.90	55.79	60.40	2.233	3.219
#1	.0405	.0173	.0001	.0370	-.0008	-.0005	.0005	.0274	.0106
#2	.0390	.0139	-.0285	.0383	-.0017	-.0002	.0002	.0265	.0101

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0008**	**-.0100**	**-.0001**	**.0101**	**-.0011**	**-.0005**
Stddev	.0000	.0002	.0003	.0000	.0024	.0004	.0003
%RSD	3.519	26.39	2.883	21.12	23.90	34.38	67.11
#1	.0002	.0009	-.0098	-.0001	.0118	-.0014	-.0007
#2	.0002	.0006	-.0102	-.0002	.0084	-.0008	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102760.**	**18101.**	**1940.2**	**6657.5**
Stddev	109.	37.	20.5	68.8
%RSD	.10602	.20438	1.0551	1.0337
#1	102690.	18127.	1925.8	6608.9
#2	102840.	18075.	1954.7	6706.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 16:38:57 Type: QC
Method: Accutest1(v99) 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	**1.983**	**1.985**	**1.990**	**1.981**	**1.982**	**1.917**	**2.018**	**2.022**	**.2389**
Stddev	.002	.005	.003	.007	.002	.000	.003	.002	.0000
%RSD	.0772	.2347	.1502	.3546	.1016	.0039	.1666	.1204	.0112
#1	1.984	1.988	1.988	1.976	1.981	1.917	2.020	2.020	.2389
#2	1.982	1.982	1.992	1.986	1.983	1.917	2.015	2.023	.2389
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	**1.975**	**2.020**	**1.992**	**2.040**	**2.034**	**1.989**	**1.987**	**38.96**	**40.05**
Stddev	.003	.005	.004	.003	.001	.008	.003	.09	.10
%RSD	.1384	.2658	.2034	.1413	.0431	.3903	.1409	.2384	.2542
#1	1.977	2.016	1.995	2.043	2.035	1.994	1.985	39.02	40.12
#2	1.973	2.024	1.989	2.038	2.034	1.983	1.989	38.89	39.98
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	**40.29**	**40.12**	**39.64**	**39.77**	**2.005**	**1.998**	**1.929**	**4.956**	**2.042**
Stddev	.09	.16	.06	.07	.004	.004	.004	.004	.001
%RSD	.2303	.3975	.1471	.1685	.1946	.1912	.1813	.0705	.0532
#1	40.35	40.23	39.68	39.82	2.002	1.995	1.927	4.954	2.041
#2	40.22	40.01	39.59	39.73	2.007	2.001	1.931	4.959	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: 6/2/2014 16:38:57 Type: QC
Method: Accutest1(v99) 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	**2.055**	**1.973**	**1.955**	**1.987**	**1.975**	**2.003**	**2.009**
Stddev	.001	.002	.009	.001	.006	.001	.003
%RSD	.0258	.0883	.4685	.0603	.3000	.0531	.1522
#1	2.056	1.974	1.948	1.988	1.979	2.003	2.011
#2	2.055	1.971	1.961	1.987	1.971	2.004	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	**96616.**	**17699.**	**1887.2**	**5913.7**
Stddev	66.	66.	1.9	9.4
%RSD	.06867	.37531	.10259	.15830
#1	96663.	17652.	1888.5	5920.3
#2	96569.	17746.	1885.8	5907.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 16:45:01 Type: QC
Method: Accutest1(v99) 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**	**.0004**	**.0001**	**.0004**	**-.0004**	**.0004**	**-.0002**	**.0002**
Stddev	.0001	.0001	.0000	.0001	.0001	.0003	.0000	.0004	.0002
%RSD	13.61	31.05	3.096	90.38	20.76	69.77	11.30	171.6	117.1
#1	.0004	.0003	.0004	.0002	.0003	-.0002	.0004	-.0005	.0003
#2	.0004	.0002	.0003	.0000	.0005	-.0006	.0004	.0001	.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	**.0004**	**.0005**	**-.0005**	**.0003**	**.0004**	**-.0003**	**.0011**	**-.0014**	**.0044**
Stddev	.0001	.0001	.0001	.0009	.0005	.0010	.0004	.0034	.0028
%RSD	29.71	15.57	10.10	346.4	144.2	362.6	32.32	251.6	63.32
#1	.0003	.0004	-.0006	.0009	.0000	-.0010	.0014	.0011	.0024
#2	.0005	.0005	-.0005	-.0004	.0008	.0004	.0009	-.0038	.0064
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**	**-.0134**	**-.0096**	**.0041**	**.0007**	**.0008**	**.0004**	**.0038**	**.0003**
Stddev	.0013	.0093	.0224	.0002	.0001	.0002	.0003	.0009	.0003
%RSD	17.00	69.13	233.2	5.015	14.99	21.17	85.19	23.00	110.8
#1	.0088	-.0069	.0062	.0039	.0007	.0009	.0002	.0032	.0001
#2	.0069	-.0200	-.0254	.0042	.0008	.0007	.0006	.0044	.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: 6/2/2014 16:45:01 Type: QC
Method: Accutest1(v99) 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**	**-.0055**	**.0002**	**-.0003**	**-.0011**	**.0004**
Stddev	.0000	.0000	.0004	.0001	.0008	.0008	.0006
%RSD	10.12	5.525	7.973	30.07	276.3	74.60	133.4
#1	.0003	.0003	-.0052	.0002	.0003	-.0016	.0000
#2	.0003	.0003	-.0058	.0003	-.0008	-.0005	.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	**98220.**	**17622.**	**1944.2**	**6524.1**
Stddev	1.	152.	.5	5.0
%RSD	.00146	.86157	.02631	.07695
#1	98219.	17730.	1944.5	6520.6
#2	98221.	17515.	1943.8	6527.7

Zoom In Zoom Out

Sample Name: idl-1conf Acquired: 6/2/2014 16:51:18 Type: Unk
Method: Accutest1(v99) 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**	**.0001**	**.0000**	**.0001**	**-.0011**	**.0000**	**-.0006**	**-.0003**
Stddev	.0001	.0000	.0001	.000	.0004	.0001	.000	.0002	.0001
%RSD	51.46	12.02	95.42	3.005	674.6	8.431	8.820	38.16	42.24
#1	.0001	-.0001	.0001	.0000	-.0002	-.0011	.0000	-.0007	-.0002
#2	.0002	-.0001	.0000	.0000	.0004	-.0012	.0000	-.0004	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0003**	**-.0009**	**-.0008**	**.0002**	**.0006**	**.0003**	**-.0020**	**-.0059**
Stddev	.0001	.0002	.0003	.0013	.0007	.0012	.0002	.0021	.0018
%RSD	111.2	50.59	34.66	171.3	352.5	194.3	70.30	109.4	30.41
#1	.0000	.0002	-.0007	.0002	-.0003	-.0002	.0004	-.0035	-.0072
#2	.0002	.0004	-.0011	-.0017	.0006	.0015	.0001	-.0004	-.0047

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0008**	**-.0113**	**-.0063**	**.0002**	**-.0004**	**-.0002**	**.0005**	**.0056**	**-.0006**
Stddev	.0020	.0044	.0005	.0080	.0001	.0002	.0019	.0002	.0004
%RSD	245.7	38.64	8.420	3521.	24.37	95.28	393.1	4.038	68.65
#1	-.0006	-.0144	-.0059	-.0054	-.0003	-.0003	.0018	.0054	-.0003
#2	.0022	-.0082	-.0066	.0059	-.0004	-.0001	-.0008	.0057	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**-.0089**	**-.0003**	**-.0005**	**-.0009**	**-.0007**
Stddev	.0000	.0002	.0009	.0001	.0004	.0003	.0003
%RSD	106.4	85.34	9.741	44.59	97.12	32.89	46.40
#1	.0000	-.0001	-.0082	-.0002	-.0001	-.0007	-.0009
#2	.0000	-.0004	-.0095	-.0004	-.0008	-.0011	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98707.**	**17543.**	**1955.8**	**6563.8**
Stddev	157.	6.	2.2	.6
%RSD	.15872	.03309	.11169	.00845
#1	98596.	17548.	1957.3	6563.4
#2	98818.	17539.	1954.2	6564.2

Zoom In Zoom Out

Sample Name: idl-2conf Acquired: 6/2/2014 16:57:34 Type: Unk
Method: Accutest1(v99) 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**	**-.0001**	**.0000**	**-.0002**	**.0002**	**-.0009**	**.0000**	**-.0008**	**-.0002**
Stddev	.000	.0000	.000	.0001	.0000	.0002	.000	.0002	.0003
%RSD	555.3	18.46	168.5	46.83	4.051	23.23	34.09	32.38	191.3
#1	.0000	-.0001	.0000	-.0002	.0002	-.0007	.0000	-.0007	.0001
#2	.0000	-.0001	.0000	-.0001	.0002	-.0010	.0000	-.0004	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0001**	**-.0012**	**.0001**	**.0004**	**.0018**	**.0001**	**.0009**	**-.0068**
Stddev	.000	.0001	.0001	.0001	.0010	.0015	.0008	.0016	.0014
%RSD	374.1	130.2	12.00	41.15	252.3	84.04	800.1	170.0	20.73
#1	-.0002	-.0001	-.0011	.0001	-.0003	.0007	.0006	-.0002	-.0058
#2	.0001	.0000	-.0013	.0002	.0011	.0029	-.0005	.0020	-.0078

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**.0005**	**-.0340**	**-.0045**	**-.0002**	**-.0004**	**.0000**	**.0041**	**-.0008**
Stddev	.0001	.0061	.0024	.0006	.0002	.0001	.001	.0004	.0000
%RSD	242.9	1259.	6.921	13.19	122.6	35.06	7130.	10.38	1.961
#1	.0000	-.0038	-.0323	-.0049	-.0003	-.0003	.0004	.0044	-.0008
#2	.0001	.0048	-.0356	-.0040	.0000	-.0005	-.0004	.0038	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**-.0111**	**-.0004**	**-.0006**	**-.0003**	**.0008**
Stddev	.000	.0001	.0002	.0001	.0009	.0003	.0002
%RSD	109.1	38.09	1.624	17.23	153.6	116.1	26.73
#1	-.0001	-.0001	-.0112	-.0003	-.0013	-.0001	.0010
#2	.0000	-.0002	-.0110	-.0004	.0001	-.0005	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102280.**	**17935.**	**1944.7**	**6613.1**
Stddev	165.	32.	3.5	.6
%RSD	.16098	.18087	.18041	.00896
#1	102170.	17912.	1947.2	6612.7
#2	102400.	17958.	1942.2	6613.5

Zoom In Zoom Out

Sample Name: idl-3conf Acquired: 6/2/2014 17:03:50 Type: Unk
Method: Accutest1(v99) 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**	**-.0002**	**.0004**	**-.0008**	**-.0001**	**-.0004**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	43.54	28.44	265.9	59.35	7.722	16.76	5.362	24.77	312.8
#1	-.0001	-.0001	.0000	-.0004	.0004	-.0009	-.0001	-.0005	.0000
#2	-.0001	.0000	.0001	-.0001	.0004	-.0007	-.0001	-.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0000**	**-.0010**	**.0000**	**-.0001**	**.0031**	**.0011**	**-.0052**	**-.0015**
Stddev	.000	.000	.0001	.001	.0003	.0006	.0010	.0044	.0024
%RSD	741.9	655.1	12.54	3870.	591.0	18.18	84.37	85.02	155.8
#1	-.0001	.0001	-.0009	.0008	-.0003	.0034	.0018	-.0021	.0002
#2	.0001	-.0002	-.0011	-.0008	.0002	.0027	.0005	-.0084	-.0032

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0018**	**-.0161**	**-.0274**	**-.0035**	**-.0006**	**-.0004**	**.0002**	**.0080**	**.0001**
Stddev	.0025	.0080	.0038	.0025	.0006	.0001	.0009	.0004	.0005
%RSD	135.4	49.44	13.78	72.03	98.28	24.43	566.5	4.671	672.0
#1	.0001	-.0217	-.0247	-.0017	-.0002	-.0005	-.0005	.0078	.0004
#2	.0036	-.0105	-.0301	-.0052	-.0011	-.0004	.0008	.0083	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0109**	**-.0002**	**.0010**	**-.0005**	**.0007**
Stddev	.000	.0001	.0004	.0001	.0002	.0006	.0007
%RSD	917.1	47.60	3.654	42.28	23.10	112.0	97.82
#1	.0000	.0002	-.0106	-.0003	.0012	-.0009	.0012
#2	-.0001	.0001	-.0112	-.0002	.0008	-.0001	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104150.**	**18130.**	**1942.8**	**6608.0**
Stddev	263.	11.	1.6	19.7
%RSD	.25209	.05959	.08421	.29839
#1	104340.	18122.	1944.0	6621.9
#2	103970.	18137.	1941.7	6594.0

Zoom In Zoom Out

Sample Name: idl-4conf Acquired: 6/2/2014 17:10:06 Type: Unk
Method: Accutest1(v99) 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**	**.0001**	**-.0001**	**.0001**	**-.0011**	**.0000**	**-.0007**	**.0000**
Stddev	.0002	.0000	.0000	.0001	.0003	.0002	.000	.0001	.000
%RSD	290.0	19.41	27.33	116.9	285.0	16.74	102.7	13.77	1533.
#1	-.0001	-.0001	.0001	.0000	-.0001	-.0012	.0000	-.0006	.0002
#2	.0002	-.0001	.0000	-.0002	.0004	-.0009	.0000	-.0008	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0001**	**-.0008**	**-.0004**	**.0009**	**.0016**	**.0013**	**-.0045**	**-.0099**
Stddev	.0001	.0001	.0002	.0009	.0002	.0004	.0002	.0011	.0019
%RSD	57.39	60.96	19.88	245.3	24.27	25.29	11.79	24.45	19.11
#1	-.0002	.0002	-.0010	-.0011	.0008	.0013	.0014	-.0037	-.0085
#2	-.0001	.0001	-.0007	.0003	.0011	.0019	.0012	-.0053	-.0112

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0005**	**-.0311**	**-.0222**	**-.0096**	**-.0010**	**-.0006**	**.0005**	**.0071**	**-.0003**
Stddev	.0016	.0143	.0082	.0006	.0001	.0001	.0004	.0003	.0000
%RSD	309.9	45.84	37.07	6.486	7.966	13.98	73.21	3.957	1.660
#1	.0017	-.0210	-.0280	-.0100	-.0009	-.0007	.0008	.0069	-.0003
#2	-.0006	-.0412	-.0164	-.0091	-.0010	-.0006	.0003	.0073	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0004**	**-.0122**	**-.0002**	**.0004**	**-.0015**	**.0001**
Stddev	.0000	.0001	.0006	.0000	.0000	.0000	.0003
%RSD	293.2	20.91	5.143	19.99	1.400	2.803	374.5
#1	.0000	-.0004	-.0117	-.0003	.0004	-.0015	-.0001
#2	.0000	-.0005	-.0126	-.0002	.0004	-.0015	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98976.**	**17821.**	**1958.3**	**6537.7**
Stddev	499.	94.	3.2	13.9
%RSD	.50436	.52759	.16469	.21234
#1	99329.	17888.	1960.5	6547.5
#2	98623.	17755.	1956.0	6527.9

Zoom In Zoom Out

Sample Name: idl-5conf Acquired: 6/2/2014 17:16:23 Type: Unk
Method: Accutest1(v99) 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**	**-.0003**	**.0000**	**-.0009**	**.0000**	**-.0003**	**.0001**
Stddev	.0001	.000	.0001	.0003	.000	.0001	.0000	.0002	.0002
%RSD	72.02	55.17	80.26	107.6	716.2	5.750	136.7	68.09	109.9
#1	.0001	.0000	.0002	-.0001	.0001	-.0009	.0000	-.0004	.0002
#2	.0002	.0000	.0001	-.0005	-.0002	-.0009	.0000	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0007**	**-.0010**	**-.0009**	**.0004**	**-.0003**	**.0008**	**-.0024**	**-.0019**
Stddev	.0001	.0001	.0000	.0001	.0005	.0002	.0002	.0031	.0002
%RSD	48.36	15.62	3.952	10.80	120.1	80.07	30.91	132.9	12.63
#1	-.0002	.0008	-.0009	-.0010	.0007	-.0004	.0009	-.0001	-.0018
#2	-.0001	.0006	-.0010	-.0009	.0001	-.0001	.0006	-.0046	-.0021

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**-.0121**	**.0013**	**-.0073**	**-.0005**	**-.0005**	**.0003**	**.0050**	**-.0010**
Stddev	.0014	.0139	.0110	.0085	.0004	.0001	.0000	.0002	.0001
%RSD	915.0	115.0	852.8	115.5	70.13	20.28	4.927	4.596	9.006
#1	.0011	-.0023	-.0065	-.0133	-.0008	-.0006	.0003	.0048	-.0010
#2	-.0008	-.0220	.0091	-.0013	-.0003	-.0005	.0003	.0051	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0118**	**-.0004**	**-.0002**	**-.0008**	**.0004**
Stddev	.0001	.0002	.0009	.0000	.0021	.0004	.0002
%RSD	234.1	86.96	8.061	10.67	1086.	49.96	54.04
#1	.0000	-.0001	-.0125	-.0004	-.0017	-.0005	.0005
#2	-.0001	-.0004	-.0111	-.0004	.0013	-.0011	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100260.**	**17888.**	**1957.4**	**6606.8**
Stddev	178.	12.	.2	12.7
%RSD	.17724	.06844	.01275	.19150
#1	100130.	17879.	1957.6	6597.9
#2	100380.	17896.	1957.3	6615.8

Zoom In Zoom Out

Sample Name: idl-6conf Acquired: 6/2/2014 17:22:39 Type: Unk
Method: Accutest1(v99) 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**	**.0001**	**-.0001**	**.0004**	**-.0008**	**-.0001**	**-.0005**	**.0000**
Stddev	.0001	.0000	.0001	.0000	.0001	.0004	.0000	.0001	.0001
%RSD	125.9	40.32	160.1	66.11	18.51	44.81	12.64	13.99	401.3
#1	.0002	.0000	.0000	.0000	.0003	-.0011	-.0001	-.0005	.0001
#2	.0000	-.0001	.0001	-.0001	.0004	-.0006	-.0001	-.0006	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0000**	**-.0010**	**-.0012**	**-.0004**	**-.0002**	**.0011**	**-.0001**	**-.0063**
Stddev	.0001	.0000	.0005	.0001	.0009	.0035	.0002	.0041	.0029
%RSD	143.3	386.9	49.52	11.10	240.2	2041.	13.42	3686.	46.15
#1	-.0001	.0000	-.0006	-.0011	-.0010	-.0027	.0010	.0028	-.0043
#2	.0000	.0000	-.0013	-.0013	.0002	.0023	.0012	-.0030	-.0084

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0014**	**-.0061**	**-.0146**	**.0002**	**-.0009**	**-.0005**	**-.0003**	**.0066**	**-.0002**
Stddev	.0016	.0024	.0094	.0082	.0001	.0001	.0009	.0012	.0002
%RSD	115.5	39.36	64.58	4926.	7.889	17.54	312.6	17.52	114.9
#1	.0025	-.0078	-.0213	-.0056	-.0009	-.0006	-.0009	.0075	.0000
#2	.0002	-.0044	-.0079	.0060	-.0008	-.0005	.0003	.0058	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0118**	**-.0003**	**.0006**	**-.0008**	**.0001**
Stddev	.000	.0000	.0002	.0000	.0001	.0002	.0002
%RSD	202.2	25.63	1.825	5.122	16.63	23.91	176.0
#1	.0000	.0002	-.0120	-.0003	.0007	-.0007	.0000
#2	.0000	.0001	-.0117	-.0004	.0005	-.0010	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101530.**	**17801.**	**1947.8**	**6601.4**
Stddev	127.	194.	.1	2.5
%RSD	.12488	1.0908	.00761	.03808
#1	101440.	17938.	1947.7	6599.6
#2	101620.	17664.	1947.9	6603.2

Zoom In Zoom Out

Sample Name: idl-7conf Acquired: 6/2/2014 17:28:57 Type: Unk
Method: Accutest1(v99) 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**	**-.0002**	**-.0001**	**-.0011**	**.0000**	**-.0003**	**.0003**
Stddev	.0000	.000	.0000	.0002	.0003	.0000	.000	.0003	.0002
%RSD	749.3	38.12	155.2	78.59	286.6	3.296	63.49	98.25	52.85
#1	.0000	.0000	.0000	-.0003	.0001	-.0011	.0000	-.0001	.0004
#2	.0000	.0000	.0001	-.0001	-.0003	-.0011	-.0001	-.0005	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0017**	**-.0007**	**.0002**	**.0001**	**.0003**	**.0004**	**-.0015**	**.0120**
Stddev	.0001	.0000	.0002	.0012	.0006	.0010	.0003	.0048	.0003
%RSD	181.2	1.284	24.66	634.6	421.8	319.3	75.00	320.6	2.628
#1	-.0001	.0017	-.0008	-.0007	.0005	.0010	.0002	.0019	.0117
#2	.0000	.0016	-.0006	.0011	-.0003	-.0004	.0006	-.0049	.0122

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0020**	**-.0095**	**-.0093**	**.0006**	**-.0008**	**-.0006**	**.0000**	**.0079**	**-.0002**
Stddev	.0005	.0078	.0162	.0017	.0004	.0001	.000	.0003	.0003
%RSD	26.83	82.39	174.6	275.5	53.61	23.60	332.0	3.458	173.8
#1	.0024	-.0150	.0022	.0018	-.0005	-.0005	.0000	.0081	.0000
#2	.0016	-.0039	-.0208	-.0006	-.0011	-.0007	-.0001	.0077	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0128**	**-.0003**	**.0006**	**-.0008**	**-.0008**
Stddev	.0001	.0003	.0010	.0001	.0000	.0005	.0003
%RSD	1906.	455.3	7.473	32.53	4.358	70.42	37.61
#1	.0000	.0003	-.0134	-.0002	.0006	-.0004	-.0006
#2	.0000	-.0002	-.0121	-.0003	.0007	-.0011	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102250.**	**18004.**	**1967.0**	**6648.0**
Stddev	90.	121.	1.4	17.1
%RSD	.08813	.67425	.06918	.25653
#1	102320.	17918.	1966.0	6660.1
#2	102190.	18090.	1967.9	6636.0

Zoom In Zoom Out

Sample Name: Rinseconf Acquired: 6/2/2014 17:35:12 Type: Unk
Method: Accutest1(v99) 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**	**.0001**	**-.0002**	**.0002**	**-.0011**	**-.0001**	**-.0006**	**.0000**
Stddev	.0002	.0000	.0002	.0001	.0001	.0001	.0000	.0000	.0002
%RSD	188.6	10.89	148.7	39.29	66.79	8.528	10.48	6.271	483.3
#1	.0000	-.0001	.0002	-.0001	.0001	-.0012	-.0001	-.0006	.0002
#2	.0002	-.0001	.0000	-.0002	.0003	-.0011	-.0001	-.0005	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0001**	**-.0014**	**-.0020**	**-.0004**	**.0008**	**.0016**	**-.0046**	**-.0070**
Stddev	.0003	.0003	.0004	.0005	.0012	.0008	.0003	.0071	.0009
%RSD	99.52	365.4	28.12	26.20	349.8	96.44	18.72	153.4	13.04
#1	-.0005	-.0001	-.0017	-.0024	.0005	.0003	.0014	-.0097	-.0064
#2	-.0001	.0003	-.0011	-.0016	-.0012	.0014	.0018	.0004	-.0077

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0017**	**-.0213**	**-.0136**	**-.0079**	**-.0011**	**-.0007**	**.0004**	**.0065**	**-.0012**
Stddev	.0015	.0133	.0275	.0033	.0008	.0000	.0004	.0001	.0005
%RSD	92.39	62.52	201.9	42.24	77.63	4.274	93.38	1.955	45.45
#1	-.0006	-.0307	.0058	-.0103	-.0016	-.0007	.0007	.0064	-.0015
#2	-.0028	-.0119	-.0331	-.0056	-.0005	-.0007	.0001	.0065	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0121**	**-.0005**	**.0007**	**-.0011**	**.0006**
Stddev	.0000	.0002	.0004	.0000	.0022	.0000	.0001
%RSD	75.86	178.8	3.417	4.629	317.0	2.440	9.564
#1	.0000	.0000	-.0118	-.0006	.0023	-.0011	.0006
#2	-.0001	-.0003	-.0124	-.0005	-.0009	-.0011	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98952.**	**17733.**	**1962.7**	**6580.7**
Stddev	10.	7.	4.2	8.2
%RSD	.00966	.04137	.21569	.12506
#1	98959.	17738.	1965.7	6586.5
#2	98945.	17728.	1959.7	6574.9

Zoom In Zoom Out

Sample Name: Rinseconf Acquired: 6/2/2014 17:41:30 Type: Unk
Method: Accutest1(v99) 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**	**.0001**	**-.0001**	**.0004**	**-.0008**	**-.0001**	**-.0006**	**.0000**
Stddev	.0001	.0000	.0001	.0002	.0004	.0000	.0000	.0001	.0000
%RSD	64.78	25.45	145.3	367.3	85.58	.6969	38.90	16.88	18.91
#1	.0002	-.0001	.0002	.0001	.0002	-.0008	-.0001	-.0006	.0000
#2	.0001	-.0001	.0000	-.0002	.0007	-.0008	-.0001	-.0005	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0000**	**-.0008**	**.0007**	**.0004**	**.0004**	**.0008**	**.0004**	**-.0050**
Stddev	.0003	.0001	.0002	.0002	.0004	.0006	.0000	.0041	.0000
%RSD	305.7	499.6	19.38	34.52	97.86	145.1	2.581	1080.	.0021
#1	.0001	.0001	-.0007	.0008	.0006	.0009	.0008	.0033	-.0050
#2	-.0004	.0000	-.0010	.0005	.0001	.0000	.0008	-.0025	-.0050

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0003**	**-.0224**	**-.0027**	**-.0009**	**-.0014**	**-.0005**	**-.0002**	**.0063**	**-.0002**
Stddev	.0004	.0029	.0235	.0052	.0008	.0002	.0005	.0000	.0002
%RSD	136.9	12.83	879.3	548.9	57.34	36.67	200.4	.0930	109.2
#1	.0000	-.0204	.0139	-.0046	-.0008	-.0004	-.0006	.0063	-.0003
#2	.0005	-.0244	-.0193	.0027	-.0019	-.0007	.0001	.0063	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0126**	**-.0004**	**-.0017**	**-.0011**	**-.0011**
Stddev	.000	.0001	.0002	.0000	.0012	.0001	.0008
%RSD	433.2	36.13	1.800	2.009	70.20	12.73	72.48
#1	.0000	.0003	-.0125	-.0004	-.0025	-.0012	-.0016
#2	.0000	.0002	-.0128	-.0004	-.0008	-.0010	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101830.**	**17958.**	**1954.3**	**6625.2**
Stddev	6.	79.	2.5	5.0
%RSD	.00608	.43784	.12766	.07591
#1	101830.	17903.	1956.1	6628.7
#2	101840.	18014.	1952.6	6621.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 17:47:49 Type: QC
Method: Accutest1(v99) 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	**1.957**	**1.960**	**1.974**	**1.959**	**1.964**	**1.870**	**1.984**	**1.999**	**.2350**
Stddev	.000	.004	.005	.005	.005	.002	.006	.003	.0004
%RSD	.0162	.1816	.2767	.2435	.2534	.1141	.2912	.1549	.1660
#1	1.957	1.958	1.970	1.956	1.961	1.869	1.980	1.997	.2347
#2	1.957	1.963	1.978	1.962	1.968	1.872	1.988	2.001	.2353
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	**1.926**	**2.000**	**1.968**	**2.000**	**2.009**	**1.956**	**1.962**	**38.13**	**39.99**
Stddev	.007	.002	.011	.017	.004	.010	.006	.07	.09
%RSD	.3594	.1080	.5345	.8382	.2158	.5090	.3106	.1791	.2247
#1	1.921	1.998	1.960	1.988	2.005	1.949	1.957	38.08	39.92
#2	1.930	2.001	1.975	2.012	2.012	1.963	1.966	38.18	40.05
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	**40.06**	**40.02**	**38.95**	**38.95**	**1.987**	**1.974**	**1.895**	**4.911**	**2.024**
Stddev	.05	.18	.12	.07	.011	.008	.001	.022	.006
%RSD	.1342	.4567	.3090	.1793	.5522	.4199	.0695	.4397	.2858
#1	40.02	39.89	38.86	38.90	1.979	1.968	1.896	4.895	2.020
#2	40.10	40.15	39.03	39.00	1.995	1.980	1.894	4.926	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: 6/2/2014 17:47:49 Type: QC
Method: Accutest1(v99) 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	**2.043**	**1.940**	**1.929**	**1.969**	**1.929**	**1.977**	**1.992**
Stddev	.001	.005	.011	.002	.015	.006	.001
%RSD	.0273	.2360	.5604	.1073	.7736	.2918	.0437
#1	2.044	1.937	1.922	1.971	1.918	1.973	1.992
#2	2.043	1.943	1.937	1.968	1.939	1.981	1.991
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	**97755.**	**17770.**	**1898.2**	**5964.4**
Stddev	206.	114.	5.7	10.4
%RSD	.21045	.64126	.30225	.17452
#1	97900.	17851.	1902.2	5971.8
#2	97609.	17689.	1894.1	5957.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 17:53:52 Type: QC
Method: Accutest1(v99) 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**	**-.0011**	**.0000**	**-.0005**	**-.0002**
Stddev	.0001	.000	.0000	.000	.0000	.0004	.000	.0004	.0001
%RSD	2893.	56.49	29.03	569.2	9.535	35.50	8.911	86.61	90.46
#1	.0001	.0000	.0001	-.0001	-.0002	-.0008	.0000	-.0008	-.0001
#2	-.0001	.0000	.0002	.0001	-.0002	-.0014	.0000	-.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	**-.0001**	**-.0004**	**-.0011**	**.0007**	**.0004**	**.0006**	**.0008**	**-.0034**	**-.0082**
Stddev	.0002	.0001	.0001	.0012	.0003	.0005	.0002	.0003	.0002
%RSD	271.1	37.23	6.201	169.6	75.54	75.47	30.43	8.766	1.923
#1	.0001	-.0005	-.0011	.0016	.0002	.0009	.0009	-.0032	-.0081
#2	-.0002	-.0003	-.0012	-.0001	.0006	.0003	.0006	-.0036	-.0083
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	**.0024**	**-.0173**	**-.0045**	**.0009**	**-.0001**	**.0006**	**.0009**	**-.0005**	**-.0005**
Stddev	.0010	.0234	.0244	.0045	.0000	.0001	.0002	.0001	.0001
%RSD	39.89	135.1	538.4	498.6	37.37	19.07	16.62	12.79	23.61
#1	.0031	-.0339	.0127	.0041	-.0001	.0005	.0008	-.0005	-.0006
#2	.0018	-.0008	-.0218	-.0023	-.0001	.0007	.0010	-.0004	-.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: 6/2/2014 17:53:52 Type: QC
Method: Accutest1(v99) 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**	**-.0049**	**.0000**	**-.0004**	**-.0011**	**.0003**
Stddev	.000	.0002	.0004	.0001	.0015	.0009	.0008
%RSD	60.77	305.9	7.659	2416.	358.6	76.15	315.0
#1	.0000	-.0001	-.0047	.0001	-.0015	-.0017	-.0003
#2	.0000	.0002	-.0052	-.0001	.0006	-.0005	.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	**101450.**	**17798.**	**1968.3**	**6652.0**
Stddev	125.	10.	10.4	30.9
%RSD	.12333	.05608	.52702	.46406
#1	101360.	17791.	1975.7	6673.8
#2	101540.	17805.	1961.0	6630.1

Zoom In Zoom Out

Sample Name: mp79782-mb1conf Acquired: 6/2/2014 18:00:11 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0006**	**.0003**	**.0004**	**.0003**	**.0011**	**-.0005**	**.0005**	**-.0001**	**-.0002**
Stddev	.0000	.0001	.0001	.0000	.0003	.0000	.0000	.0000	.0003
%RSD	.3549	20.45	23.45	11.11	26.52	3.405	2.097	12.67	150.7
#1	.0006	.0003	.0004	.0004	.0009	-.0005	.0005	-.0001	-.0004
#2	.0006	.0004	.0005	.0003	.0013	-.0006	.0005	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0024**	**-.0008**	**.0002**	**.0003**	**.0017**	**.0008**	**.0135**	**.0147**
Stddev	.0001	.0001	.0000	.0004	.0007	.0007	.0005	.0008	.0002
%RSD	52.80	3.809	1.575	199.0	229.8	39.10	63.29	6.040	1.691
#1	.0001	.0025	-.0008	-.0001	-.0002	.0012	.0011	.0129	.0145
#2	.0003	.0023	-.0008	.0005	.0008	.0022	.0004	.0141	.0149

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0115**	**.0053**	**.0092**	**.0097**	**.0001**	**.0001**	**.0008**	**.0047**	**.0084**
Stddev	.0002	.0051	.0009	.0001	.0003	.0000	.0005	.0000	.0004
%RSD	1.316	95.77	10.05	.6707	255.6	44.95	62.53	.1493	4.270
#1	.0116	.0090	.0086	.0097	-.0001	.0001	.0011	.0047	.0086
#2	.0114	.0017	.0099	.0096	.0004	.0001	.0004	.0047	.0081

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0014**	**-.0105**	**.0001**	**.0007**	**-.0001**	**.0008**
Stddev	.0001	.0006	.0001	.0001	.0007	.0010	.0002
%RSD	17.36	47.50	1.355	95.82	98.11	1602.	21.44
#1	.0004	.0009	-.0106	.0001	.0002	.0006	.0009
#2	.0005	.0018	-.0104	.0000	.0013	-.0008	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101630.**	**18152.**	**1967.8**	**6643.7**
Stddev	53.	80.	2.2	19.9
%RSD	.05173	.44252	.11056	.30015
#1	101670.	18095.	1969.4	6657.8
#2	101590.	18209.	1966.3	6629.6

Zoom In Zoom Out

Sample Name: jb68098-1 2 Acquired: 6/2/2014 18:06:28 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2090**	**.0036**	**.0008**	**.0239**	**.1054**	**.0614**	**.5703**	**.0773**	**.0001**
Stddev	.0002	.0000	.0000	.0004	.0002	.0001	.0007	.0004	.0000
%RSD	.0861	.3401	4.167	1.502	.2052	.1708	.1174	.5616	7.471
#1	.2089	.0036	.0007	.0237	.1056	.0614	.5708	.0770	.0001
#2	.2092	.0036	.0008	.0242	.1053	.0615	.5699	.0776	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1597**	**.2172**	**.0153**	**.0030**	**.0542**	**.0007**	**.0015**	**103.9**	**8.666**
Stddev	.0010	.0002	.0000	.0005	.0009	.0018	.0002	.2	.029
%RSD	.6296	.0981	.0177	15.64	1.682	243.4	10.43	.2137	.3365
#1	.1604	.2170	.0153	.0034	.0548	.0020	.0016	104.1	8.646
#2	.1590	.2173	.0153	.0027	.0535	-.0005	.0014	103.8	8.687

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**67.65**	**21.79**	**11.77**	**5.051**	**.0810**	**.0191**	**-.0070**	**.2388**	**.0120**
Stddev	.19	.02	.01	.002	.0012	.0002	.0004	.0040	.0002
%RSD	.2770	.0803	.0465	.0292	1.439	1.073	5.498	1.670	1.339
#1	67.52	21.80	11.76	5.050	.0802	.0189	-.0067	.2417	.0119
#2	67.79	21.77	11.77	5.052	.0818	.0192	-.0073	.2360	.0122

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1321**	**1.362**	**-.0035**	**.0107**	**13.78**	**-.0049**	**.3383**
Stddev	.0001	.001	.0004	.0001	.00	.0003	.0003
%RSD	.1130	.0807	10.66	.7257	.0320	5.981	.0756
#1	.1320	1.363	-.0038	.0107	13.78	-.0051	.3381
#2	.1322	1.361	-.0033	.0106	13.79	-.0047	.3385

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99121.**	**18709.**	**2003.3**	**6193.7**
Stddev	156.	21.	5.1	12.4
%RSD	.15692	.11154	.25613	.19954
#1	99011.	18724.	2007.0	6202.4
#2	99231.	18694.	1999.7	6185.0

Zoom In Zoom Out

Sample Name: jb67667-2 2 Acquired: 6/2/2014 18:12:36 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7461**	**.0052**	**.0140**	**.0525**	**.2023**	**.8914**	**3.089**	**.1895**	**.0073**
Stddev	.0017	.0000	.0000	.0002	.0001	.0020	.008	.0007	.0003
%RSD	.2268	.8633	.0175	.3174	.0399	.2195	.2600	.3923	4.732
#1	.7449	.0051	.0140	.0524	.2023	.8900	3.083	.1889	.0076
#2	.7473	.0052	.0140	.0526	.2022	.8928	3.095	.1900	.0071

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1579**	**1.151**	**.0542**	**-.0049**	**.6133**	**.0390**	**.0052**	**74.05**	**1082.**
Stddev	.0011	.006	.0014	.0036	.0011	.0026	.0014	.12	2.
%RSD	.6950	.5193	2.562	73.02	.1796	6.605	27.45	.1611	.2097
#1	.1571	1.147	.0552	-.0024	.6125	.0372	.0042	73.96	1084.
#2	.1586	1.155	.0532	-.0075	.6141	.0408	.0063	74.13	1081.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**129.5**	**197.3**	**19.14**	**4.546**	**.1800**	**.0100**	**-.0341**	**2.771**	**.0960**
Stddev	.4	.5	.04	.011	.0018	.0005	.0001	.022	.0010
%RSD	.2795	.2357	.2267	.2300	1.012	5.144	.3884	.7951	1.037
#1	129.2	197.0	19.11	4.553	.1787	.0103	-.0342	2.755	.0967
#2	129.7	197.6	19.17	4.538	.1813	.0096	-.0340	2.786	.0953

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.758**	**1.400**	**-.0046**	**.0547**	**12.27**	**.0013**	**.2397**
Stddev	.003	.002	.0024	.0002	.09	.0009	.0013
%RSD	.1838	.1473	51.66	.3613	.7072	66.02	.5327
#1	1.756	1.398	-.0029	.0545	12.21	.0019	.2388
#2	1.761	1.401	-.0063	.0548	12.33	.0007	.2406

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91857.**	**17518.**	**1796.2**	**5300.8**
Stddev	47.	25.	5.7	7.8
%RSD	.05163	.14372	.31491	.14799
#1	91891.	17535.	1800.2	5306.4
#2	91824.	17500.	1792.2	5295.3

Zoom In Zoom Out

Sample Name: jb67866-1 Acquired: 6/2/2014 18:18:49 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8187**	**.0037**	**.0262**	**.5406**	**.2366**	**6.735**	**1.838**	**80.71**	**.0056**
Stddev	.0002	.0001	.0003	.0014	.0010	.039	.004	.19	.0011
%RSD	.0285	1.404	1.106	.2560	.4036	.5822	.2056	.2360	19.28
#1	.8189	.0038	.0260	.5397	.2359	6.707	1.835	80.58	.0063
#2	.8185	.0037	.0264	.5416	.2373	6.762	1.841	80.85	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8368**	**3.251**	**.4435**	**-.0009**	**3.386**	**.0490**	**.0189**	**74.44**	**38.21**
Stddev	.0016	.010	.0001	.0036	.012	.0006	.0009	.04	.05
%RSD	.1875	.2971	.0336	376.6	.3439	1.196	4.633	.0524	.1403
#1	.8357	3.244	.4436	-.0035	3.378	.0486	.0195	74.41	38.17
#2	.8379	3.258	.4434	.0016	3.395	.0494	.0183	74.47	38.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**322.1**	**23.31**	**5.698**	**2.715**	**.0341**	**.0218**	**-.0047**	**3.139**	**.1391**
Stddev	.1	.05	.002	.007	.0001	.0003	.0014	.001	.0002
%RSD	.0386	.2264	.0371	.2759	.2595	1.290	29.11	.0397	.1683
#1	322.0	23.28	5.700	2.710	.0341	.0216	-.0057	3.138	.1389
#2	322.2	23.35	5.697	2.721	.0340	.0220	-.0037	3.140	.1392

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3315**	**2.960**	**.0060**	**.0097**	**8.933**	**.0000**	**.1628**
Stddev	.0001	.007	.0006	.0002	.001	.0012	.0006
%RSD	.0281	.2392	10.36	2.170	.0099	7465.	.3790
#1	.3314	2.955	.0064	.0098	8.933	-.0008	.1623
#2	.3315	2.965	.0055	.0095	8.934	.0008	.1632

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100110.**	**18057.**	**1912.7**	**6354.1**
Stddev	372.	8.	2.3	12.5
%RSD	.37111	.04233	.11829	.19717
#1	100380.	18051.	1914.3	6363.0
#2	99850.	18062.	1911.1	6345.3

Zoom In Zoom Out

Sample Name: mp79752-mb1conf Acquired: 6/2/2014 18:24:57 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0002**	**-.0002**	**.0004**	**-.0007**	**.0003**	**.0000**	**-.0001**
Stddev	.0000	.000	.0001	.0002	.0004	.0001	.0000	.0002	.0003
%RSD	26.17	38.55	41.56	66.56	110.9	9.458	12.47	749.6	491.2
#1	.0001	.0000	.0001	-.0003	.0001	-.0008	.0003	-.0001	-.0002
#2	.0002	-.0001	.0002	-.0001	.0006	-.0007	.0003	.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0002**	**-.0011**	**-.0003**	**.0005**	**.0014**	**.0001**	**.0096**	**.0009**
Stddev	.0001	.0000	.0008	.0004	.0009	.0010	.0001	.0002	.0023
%RSD	161.4	11.70	75.45	115.9	171.9	76.88	178.1	2.140	254.9
#1	-.0001	.0002	-.0005	-.0001	-.0001	.0021	.0002	.0097	-.0007
#2	.0000	.0001	-.0017	-.0006	.0011	.0006	.0000	.0094	.0026

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0169**	**-.0068**	**.0064**	**.0014**	**-.0015**	**-.0006**	**-.0001**	**.0083**	**.0095**
Stddev	.0013	.0195	.0312	.0051	.0003	.0000	.0007	.0008	.0006
%RSD	7.392	288.5	489.3	368.9	19.09	8.025	439.9	9.102	6.183
#1	.0178	-.0205	.0284	.0050	-.0013	-.0006	-.0006	.0089	.0099
#2	.0161	.0070	-.0157	-.0022	-.0017	-.0006	.0003	.0078	.0091

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0134**	**-.0003**	**.0063**	**-.0007**	**.0003**
Stddev	.0000	.0005	.0007	.0000	.0001	.0004	.0004
%RSD	63.76	419.9	5.490	17.54	1.362	47.71	132.7
#1	.0000	-.0002	-.0139	-.0003	.0063	-.0010	.0000
#2	.0001	.0005	-.0129	-.0002	.0064	-.0005	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100980.**	**17938.**	**1937.9**	**6595.6**
Stddev	6.	109.	.1	4.4
%RSD	.00554	.60944	.00579	.06746
#1	100990.	17860.	1938.0	6598.7
#2	100980.	18015.	1937.8	6592.4

Zoom In Zoom Out

Sample Name: jb67744-4 2 Acquired: 6/2/2014 18:31:15 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4635**	**.0059**	**.0022**	**.0626**	**.1996**	**.1014**	**2.351**	**.1898**	**-.0030**
Stddev	.0012	.0000	.0001	.0003	.0015	.0002	.007	.0000	.0000
%RSD	.2491	.1228	6.198	.4216	.7431	.1600	.2978	.0179	.2227
#1	.4627	.0059	.0023	.0624	.2006	.1013	2.356	.1898	-.0030
#2	.4643	.0059	.0021	.0628	.1985	.1015	2.346	.1898	-.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2350**	**.4556**	**.0762**	**-.0089**	**.2136**	**.0235**	**.0071**	**111.7**	**557.6**
Stddev	.0007	.0004	.0012	.0027	.0016	.0007	.0026	.3	5.4
%RSD	.2811	.0784	1.576	30.05	.7546	2.914	36.12	.2545	.9625
#1	.2354	.4559	.0754	-.0108	.2148	.0240	.0053	111.5	553.8
#2	.2345	.4554	.0771	-.0070	.2125	.0230	.0089	111.9	561.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**201.5**	**40.11**	**22.15**	**11.41**	**.1091**	**.0121**	**-.0258**	**2.462**	**.0184**
Stddev	.5	.08	.02	.03	.0001	.0001	.0002	.003	.0007
%RSD	.2584	.2049	.0869	.2254	.0619	1.029	.7756	.1270	3.868
#1	201.2	40.05	22.14	11.39	.1092	.0120	-.0259	2.460	.0179
#2	201.9	40.17	22.17	11.43	.1091	.0121	-.0256	2.464	.0189

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.735**	**2.352**	**.0008**	**.0857**	**111.1**	**-.0023**	**.2523**
Stddev	.005	.005	.0009	.0001	.2	.0001	.0004
%RSD	.1935	.2056	104.6	.1270	.1691	5.371	.1619
#1	2.731	2.356	.0015	.0856	110.9	-.0022	.2520
#2	2.739	2.349	.0002	.0858	111.2	-.0024	.2526

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93310.**	**18027.**	**1837.4**	**5386.7**
Stddev	151.	78.	8.4	15.7
%RSD	.16147	.43284	.45479	.29237
#1	93203.	18082.	1843.3	5397.8
#2	93416.	17972.	1831.5	5375.6

Zoom In Zoom Out

Sample Name: jb67854-3 Acquired: 6/2/2014 18:37:28 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.486**	**.0020**	**.0056**	**.0219**	**.5038**	**.1915**	**1.648**	**.0714**	**.0002**
Stddev	.001	.0000	.0001	.0005	.0007	.0010	.007	.0006	.0005
%RSD	.0328	1.701	1.365	2.079	.1378	.5330	.4389	.7907	242.0
#1	2.487	.0020	.0057	.0222	.5043	.1922	1.653	.0710	-.0002
#2	2.486	.0020	.0055	.0216	.5034	.1907	1.642	.0718	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1146**	**1.342**	**.0157**	**-.0043**	**2.316**	**.0180**	**.0400**	**45.08**	**424.5**
Stddev	.0006	.001	.0006	.0007	.001	.0037	.0002	.01	.8
%RSD	.5542	.0735	4.059	16.20	.0353	20.59	.5778	.0268	.2001
#1	.1150	1.341	.0152	-.0038	2.317	.0207	.0402	45.09	423.9
#2	.1141	1.342	.0161	-.0048	2.316	.0154	.0398	45.07	425.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.16**	**45.15**	**3.868**	**9.037**	**.0324**	**.0803**	**-.0160**	**3.207**	**.0806**
Stddev	.02	.01	.014	.003	.0008	.0002	.0005	.002	.0000
%RSD	.0306	.0184	.3654	.0315	2.409	.2228	3.145	.0758	.0602
#1	74.18	45.15	3.878	9.039	.0330	.0802	-.0164	3.205	.0805
#2	74.15	45.14	3.858	9.035	.0319	.0804	-.0156	3.209	.0806

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.213**	**2.146**	**-.0048**	**.0381**	**4.565**	**.0000**	**.0537**
Stddev	.001	.007	.0015	.0000	.014	.0003	.0002
%RSD	.1111	.3481	30.28	.0663	.3109	1530.	.3616
#1	1.214	2.151	-.0059	.0381	4.555	.0002	.0539
#2	1.212	2.140	-.0038	.0380	4.575	-.0002	.0536

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94052.**	**17940.**	**1847.0**	**5460.4**
Stddev	333.	36.	3.0	3.6
%RSD	.35355	.20103	.16185	.06507
#1	93816.	17966.	1849.1	5463.0
#2	94287.	17915.	1844.8	5457.9

Zoom In Zoom Out

Sample Name: jb67871-1 Acquired: 6/2/2014 18:43:42 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 4th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.394**	**.0027**	**.0072**	**.2152**	**.1595**	**1.913**	**.5093**	**21.31**	**-.0072**
Stddev	.004	.0001	.0004	.0000	.0005	.002	.0006	.05	.0002
%RSD	.2476	4.835	5.513	.0055	.3376	.0763	.1094	.2546	3.232
#1	1.392	.0028	.0069	.2152	.1592	1.912	.5089	21.27	-.0071
#2	1.397	.0026	.0075	.2152	.1599	1.914	.5097	21.35	-.0074

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2930**	**.8334**	**.3493**	**-.0028**	**1.823**	**-.0005**	**.0536**	**26.10**	**10.74**
Stddev	.0005	.0013	.0006	.0004	.006	.0021	.0017	.11	.01
%RSD	.1732	.1515	.1802	12.89	.3530	398.3	3.107	.4155	.0492
#1	.2927	.8325	.3489	-.0031	1.819	.0010	.0548	26.03	10.74
#2	.2934	.8343	.3498	-.0026	1.828	-.0020	.0524	26.18	10.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**537.5**	**5.637**	**10.14**	**4.412**	**.0135**	**-.0103**	**-.0054**	**4.781**	**.2716**
Stddev	1.0	.011	.11	.002	.0002	.0007	.0014	.016	.0021
%RSD	.1895	.1915	1.047	.0409	1.318	6.611	26.27	.3394	.7817
#1	536.8	5.644	10.06	4.411	.0134	-.0108	-.0044	4.769	.2731
#2	538.2	5.629	10.21	4.413	.0137	-.0098	-.0065	4.792	.2701

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8071**	**2.560**	**.0090**	**.0521**	**32.06**	**.0105**	**.0902**
Stddev	.0027	.004	.0015	.0002	.05	.0023	.0001
%RSD	.3306	.1761	16.26	.3938	.1564	21.62	.1010
#1	.8052	2.557	.0079	.0519	32.02	.0089	.0901
#2	.8089	2.563	.0100	.0522	32.10	.0121	.0903

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98076.**	**17990.**	**1908.5**	**6455.1**
Stddev	251.	17.	5.1	10.1
%RSD	.25624	.09361	.26682	.15643
#1	98253.	18002.	1912.1	6462.2
#2	97898.	17978.	1904.9	6447.9

Zoom In Zoom Out

Sample Name: mp79771-mb1conf Acquired: 6/2/2014 18:49:57 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0000**	**.0000**	**-.0001**	**.0006**	**-.0007**	**.0007**	**-.0002**	**.0000**
Stddev	.0000	.000	.000	.0000	.0003	.0002	.0000	.0002	.000
%RSD	3.534	90.79	102.3	23.02	44.70	27.57	3.545	92.13	238.2
#1	.0005	-.0001	.0000	-.0001	.0004	-.0006	.0007	-.0001	-.0001
#2	.0005	.0000	.0000	-.0001	.0008	-.0009	.0007	-.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0033**	**-.0016**	**-.0010**	**-.0006**	**.0012**	**.0007**	**.0163**	**.0535**
Stddev	.0001	.0002	.0002	.0009	.0001	.0012	.0001	.0004	.0001
%RSD	70.92	4.543	11.57	94.05	11.01	96.87	10.43	2.524	.2615
#1	.0000	.0032	-.0017	-.0016	-.0005	.0004	.0007	.0165	.0536
#2	.0001	.0034	-.0015	-.0003	-.0006	.0020	.0006	.0160	.0534

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0356**	**.0032**	**.0107**	**.0231**	**-.0008**	**-.0004**	**.0004**	**.0224**	**.0098**
Stddev	.0005	.0038	.0084	.0097	.0001	.0001	.0003	.0005	.0001
%RSD	1.308	118.5	79.16	42.11	8.250	27.59	88.26	2.011	1.335
#1	.0359	.0059	.0166	.0300	-.0007	-.0003	.0006	.0221	.0097
#2	.0353	.0005	.0047	.0162	-.0008	-.0005	.0001	.0227	.0099

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0006**	**-.0125**	**.0002**	**.0045**	**-.0011**	**-.0004**
Stddev	.0001	.0002	.0000	.0001	.0015	.0003	.0005
%RSD	36.18	33.47	.3014	37.82	33.39	28.12	122.1
#1	.0002	.0004	-.0125	.0002	.0056	-.0013	-.0007
#2	.0001	.0007	-.0125	.0001	.0035	-.0008	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100980.**	**18028.**	**1944.3**	**6606.2**
Stddev	154.	38.	2.3	4.9
%RSD	.15218	.20910	.11768	.07432
#1	101090.	18001.	1942.6	6602.8
#2	100870.	18055.	1945.9	6609.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 18:56:14 Type: QC
Method: Accutest1(v99) 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	**1.979**	**1.980**	**1.965**	**1.962**	**1.952**	**1.940**	**2.022**	**2.005**	**.2382**
Stddev	.006	.007	.007	.007	.001	.004	.004	.003	.0005
%RSD	.2898	.3555	.3557	.3443	.0317	.1961	.1710	.1719	.2095
#1	1.983	1.985	1.960	1.957	1.952	1.942	2.025	2.002	.2379
#2	1.975	1.975	1.970	1.967	1.953	1.937	2.020	2.007	.2386
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	**2.007**	**1.998**	**1.963**	**2.020**	**2.030**	**1.965**	**1.967**	**39.37**	**38.99**
Stddev	.005	.004	.005	.006	.000	.003	.006	.10	.17
%RSD	.2699	.2039	.2693	.3136	.0023	.1248	.2975	.2575	.4431
#1	2.011	1.995	1.959	2.024	2.030	1.963	1.963	39.44	39.11
#2	2.003	2.001	1.967	2.015	2.030	1.966	1.972	39.30	38.87
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	**39.49**	**39.19**	**39.79**	**40.29**	**1.982**	**1.979**	**1.930**	**4.928**	**2.006**
Stddev	.14	.12	.13	.01	.008	.005	.001	.011	.004
%RSD	.3647	.3180	.3360	.0334	.4186	.2314	.0574	.2279	.1828
#1	39.60	39.27	39.88	40.30	1.976	1.976	1.931	4.920	2.003
#2	39.39	39.10	39.69	40.28	1.987	1.983	1.929	4.936	2.008
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: 6/2/2014 18:56:14 Type: QC
Method: Accutest1(v99) 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	**2.011**	**1.972**	**1.929**	**1.970**	**1.953**	**1.986**	**1.989**
Stddev	.008	.005	.011	.001	.003	.006	.005
%RSD	.4093	.2321	.5838	.0357	.1542	.3036	.2632
#1	2.017	1.975	1.921	1.971	1.955	1.982	1.993
#2	2.005	1.968	1.937	1.970	1.951	1.990	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	**95851.**	**17593.**	**1894.7**	**5908.1**
Stddev	26.	41.	5.4	10.0
%RSD	.02702	.23300	.28583	.16995
#1	95833.	17564.	1898.5	5915.2
#2	95870.	17622.	1890.9	5901.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 19:02:18 Type: QC
Method: Accutest1(v99) 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**	**.0003**	**.0002**	**.0004**	**-.0009**	**.0002**	**-.0003**	**.0001**
Stddev	.0001	.0000	.0001	.0001	.0003	.0001	.0000	.0002	.0002
%RSD	31.82	23.04	36.65	47.48	89.87	16.82	13.38	45.07	220.0
#1	.0003	.0002	.0002	.0003	.0006	-.0010	.0002	-.0002	.0003
#2	.0004	.0002	.0003	.0001	.0001	-.0008	.0003	-.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0010**	**.0000**	**.0007**	**-.0001**	**.0017**	**.0031**	**-.0023**
Stddev	.0001	.000	.0007	.0006	.0004	.0008	.0008	.0009	.0009
%RSD	28.54	213.4	77.19	2045.	51.30	556.6	47.35	29.88	41.41
#1	.0002	-.0001	-.0015	-.0004	.0010	-.0007	.0011	.0025	-.0016
#2	.0003	.0000	-.0004	.0005	.0005	.0004	.0023	.0038	-.0029
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**	**-.0112**	**.0077**	**.0034**	**.0006**	**.0010**	**.0008**	**.0013**	**.0002**
Stddev	.0003	.0188	.0061	.0051	.0004	.0000	.0002	.0006	.0008
%RSD	4.647	167.8	79.63	150.6	72.12	.9846	19.95	49.52	473.1
#1	.0062	.0021	.0120	.0071	.0009	.0010	.0007	.0018	.0008
#2	.0066	-.0245	.0034	-.0002	.0003	.0010	.0010	.0008	-.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: 6/2/2014 19:02:18 Type: QC
Method: Accutest1(v99) 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**	**-.0044**	**.0001**	**.0000**	**-.0012**	**-.0002**
Stddev	.0000	.0001	.0013	.0001	.002	.0008	.0003
%RSD	23.11	36.30	30.12	103.3	17090.	67.30	152.2
#1	.0002	.0002	-.0035	.0001	.0017	-.0006	-.0004
#2	.0002	.0003	-.0054	.0000	-.0017	-.0018	.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	**100430.**	**17879.**	**1950.0**	**6561.7**
Stddev	158.	101.	6.0	9.4
%RSD	.15772	.56318	.30590	.14327
#1	100320.	17808.	1954.3	6568.4
#2	100540.	17950.	1945.8	6555.1

Zoom In Zoom Out

Sample Name: mp79771-s1 2 Acquired: 6/2/2014 19:08:35 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.767**	**.1145**	**.1065**	**1.078**	**.5703**	**.6687**	**8.303**	**1.164**	**.1149**
Stddev	.018	.0002	.0005	.002	.0007	.0036	.052	.001	.0004
%RSD	.3826	.1594	.4445	.2246	.1281	.5364	.6277	.0790	.3756
#1	4.780	.1147	.1062	1.076	.5709	.6713	8.266	1.163	.1145
#2	4.754	.1144	.1069	1.080	.5698	.6662	8.340	1.164	.1152

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.248**	**9.635**	**4.157**	**4.324**	**1.580**	**4.273**	**.5201**	**146.2**	**47.31**
Stddev	.002	.014	.024	.004	.002	.005	.0024	.5	.14
%RSD	.1660	.1476	.5733	.1036	.1450	.1217	.4632	.3741	.2863
#1	1.249	9.625	4.140	4.327	1.582	4.270	.5184	146.6	47.40
#2	1.246	9.646	4.174	4.321	1.579	4.277	.5218	145.8	47.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**184.0**	**36.05**	**21.77**	**14.41**	**.0366**	**-.0030**	**-.0182**	**3.252**	**.0597**
Stddev	.6	.20	.08	.04	.0011	.0000	.0013	.005	.0008
%RSD	.3411	.5462	.3603	.2786	2.977	1.620	7.133	.1606	1.419
#1	184.5	36.19	21.82	14.44	.0373	-.0030	-.0173	3.255	.0591
#2	183.6	35.91	21.71	14.39	.0358	-.0030	-.0191	3.248	.0603

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1529**	**3.485**	**.0224**	**.0519**	**3.418**	**-.0105**	**.1806**
Stddev	.0003	.007	.0017	.0001	.006	.0009	.0009
%RSD	.1997	.2029	7.610	.1400	.1843	8.885	.4819
#1	.1531	3.490	.0236	.0520	3.413	-.0099	.1800
#2	.1527	3.480	.0212	.0519	3.422	-.0112	.1812

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99940.**	**18294.**	**1948.7**	**6114.2**
Stddev	4.	64.	12.6	24.3
%RSD	.00375	.34943	.64617	.39752
#1	99938.	18248.	1957.6	6131.4
#2	99943.	18339.	1939.8	6097.0

Zoom In Zoom Out

Sample Name: mp79771-s2 Acquired: 6/2/2014 19:14:40 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.563**	**.1078**	**.1005**	**1.018**	**.5715**	**.7291**	**10.36**	**1.097**	**.1093**
Stddev	.027	.0006	.0005	.000	.0017	.0008	.01	.002	.0006
%RSD	.5911	.5683	.4657	.0378	.3008	.1139	.1057	.1575	.5644
#1	4.582	.1082	.1002	1.017	.5727	.7297	10.35	1.096	.1098
#2	4.544	.1074	.1008	1.018	.5703	.7285	10.37	1.099	.1089

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.135**	**11.93**	**3.924**	**4.095**	**1.517**	**4.039**	**.4878**	**134.6**	**47.20**
Stddev	.001	.00	.004	.018	.008	.022	.0018	.5	.23
%RSD	.0539	.0268	.1010	.4482	.5261	.5541	.3694	.3921	.4880
#1	1.135	11.93	3.927	4.108	1.512	4.055	.4865	135.0	47.37
#2	1.135	11.93	3.922	4.082	1.523	4.023	.4891	134.2	47.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**184.6**	**34.19**	**19.56**	**13.29**	**.0345**	**-.0027**	**-.0142**	**3.293**	**.0414**
Stddev	1.0	.08	.13	.07	.0001	.0001	.0015	.002	.0031
%RSD	.5380	.2425	.6424	.5154	.2462	3.416	10.70	.0613	7.571
#1	185.3	34.24	19.65	13.34	.0345	-.0027	-.0131	3.294	.0392
#2	183.9	34.13	19.47	13.24	.0344	-.0028	-.0153	3.291	.0436

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1895**	**3.222**	**.0248**	**.0459**	**3.601**	**-.0112**	**.1740**
Stddev	.0012	.004	.0001	.0002	.023	.0005	.0002
%RSD	.6179	.1267	.2797	.4290	.6413	4.849	.0866
#1	.1904	3.225	.0248	.0460	3.618	-.0116	.1741
#2	.1887	3.219	.0249	.0457	3.585	-.0108	.1739

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100190.**	**18171.**	**1942.4**	**6112.1**
Stddev	75.	29.	5.1	18.8
%RSD	.07467	.16011	.26175	.30787
#1	100240.	18192.	1946.0	6125.4
#2	100130.	18151.	1938.8	6098.8

Zoom In Zoom Out

Sample Name: jb67728-9a Acquired: 6/2/2014 19:20:49 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4067**	**.0042**	**.0053**	**.0469**	**.7258**	**.1479**	**11.30**	**.1016**	**-.0026**
Stddev	.0045	.0000	.0001	.0008	.0073	.0017	.12	.0023	.0003
%RSD	1.103	.6550	1.108	1.760	.9994	1.139	1.103	2.266	11.19
#1	.4036	.0042	.0053	.0463	.7206	.1467	11.21	.1000	-.0028
#2	.4099	.0042	.0052	.0474	.7309	.1491	11.39	.1032	-.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1913**	**8.281**	**.0647**	**.0069**	**.5682**	**.0049**	**.0068**	**66.78**	**39.77**
Stddev	.0026	.170	.0010	.0003	.0152	.0019	.0011	.96	.56
%RSD	1.341	2.057	1.576	3.815	2.675	38.27	15.53	1.431	1.400
#1	.1895	8.161	.0640	.0071	.5574	.0062	.0076	66.11	39.37
#2	.1932	8.402	.0654	.0067	.5789	.0035	.0061	67.46	40.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**133.2**	**18.67**	**5.260**	**.8414**	**.0258**	**-.0027**	**-.0119**	**1.658**	**.0405**
Stddev	1.8	.31	.074	.0080	.0020	.0003	.0012	.030	.0021
%RSD	1.367	1.673	1.413	.9555	7.793	9.186	10.00	1.841	5.117
#1	131.9	18.45	5.207	.8357	.0244	-.0029	-.0110	1.637	.0390
#2	134.5	18.89	5.312	.8471	.0272	-.0026	-.0127	1.680	.0420

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1398**	**2.886**	**.0063**	**.0221**	**4.152**	**-.0062**	**.1426**
Stddev	.0011	.035	.0003	.0004	.104	.0001	.0002
%RSD	.7699	1.208	4.883	1.965	2.498	2.229	.1460
#1	.1390	2.862	.0065	.0218	4.079	-.0061	.1424
#2	.1405	2.911	.0060	.0224	4.225	-.0063	.1427

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99119.**	**18091.**	**1976.4**	**6237.9**
Stddev	204.	107.	4.6	18.5
%RSD	.20543	.59010	.23325	.29606
#1	98975.	18167.	1979.7	6250.9
#2	99263.	18016.	1973.2	6224.8

Zoom In Zoom Out

Sample Name: mp79771-sd1 Acquired: 6/2/2014 19:27:03 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 6th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3985**	**.0035**	**.0056**	**.0470**	**.7009**	**.1303**	**11.51**	**.0987**	**-.0003**
Stddev	.0051	.0005	.0001	.0036	.0109	.0028	.13	.0060	.0022
%RSD	1.286	13.46	1.082	7.601	1.550	2.184	1.163	6.072	679.2
#1	.3948	.0038	.0056	.0444	.6932	.1282	11.41	.0944	.0012
#2	.4021	.0031	.0057	.0495	.7085	.1323	11.60	.1029	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1838**	**8.840**	**.0547**	**.0033**	**.5931**	**.0125**	**.0094**	**64.16**	**38.43**
Stddev	.0016	.349	.0075	.0105	.0222	.0091	.0089	.60	.50
%RSD	.8886	3.947	13.72	317.5	3.736	72.67	94.48	.9412	1.298
#1	.1827	8.593	.0494	-.0041	.5774	.0061	.0157	63.73	38.07
#2	.1850	9.086	.0600	.0108	.6088	.0190	.0031	64.59	38.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**130.2**	**17.79**	**4.831**	**.8473**	**.0161**	**-.0058**	**-.0148**	**1.786**	**.0521**
Stddev	1.7	.10	.205	.0739	.0027	.0012	.0042	.058	.0054
%RSD	1.277	.5447	4.244	8.724	16.68	20.59	28.57	3.266	10.33
#1	129.0	17.73	4.686	.7950	.0142	-.0050	-.0118	1.744	.0483
#2	131.3	17.86	4.976	.8996	.0180	-.0067	-.0178	1.827	.0559

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1343**	**2.786**	**-.0932**	**.0169**	**4.269**	**-.0147**	**.1346**
Stddev	.0031	.034	.0008	.0001	.160	.0048	.0066
%RSD	2.306	1.215	.8745	.2984	3.740	32.75	4.890
#1	.1321	2.762	-.0926	.0169	4.156	-.0181	.1299
#2	.1365	2.810	-.0938	.0169	4.382	-.0113	.1392

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99335.**	**17700.**	**1968.1**	**6457.6**
Stddev	124.	63.	3.7	8.1
%RSD	.12471	.35714	.18914	.12618
#1	99247.	17656.	1970.8	6463.3
#2	99422.	17745.	1965.5	6451.8

Zoom In Zoom Out

Sample Name: mp79787-s1 2 Acquired: 6/2/2014 19:33:15 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 10th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.704**	**.0969**	**.0962**	**.9280**	**.4754**	**.7831**	**5.099**	**1.025**	**.1052**
Stddev	.050	.0004	.0004	.0023	.0002	.0020	.010	.002	.0007
%RSD	1.053	.3749	.4528	.2516	.0515	.2614	.1993	.1441	.6656
#1	4.669	.0966	.0959	.9263	.4755	.7846	5.106	1.024	.1057
#2	4.739	.0971	.0965	.9296	.4752	.7817	5.092	1.027	.1047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.083**	**1.927**	**3.664**	**3.612**	**23.39**	**3.742**	**.7092**	**124.6**	**55.00**
Stddev	.003	.003	.005	.024	.08	.010	.0024	.2	.03
%RSD	.3186	.1677	.1414	.6603	.3264	.2726	.3370	.1387	.0611
#1	1.085	1.924	3.660	3.595	23.34	3.735	.7075	124.5	55.02
#2	1.080	1.929	3.668	3.629	23.44	3.750	.7109	124.7	54.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**273.9**	**18.54**	**22.40**	**15.06**	**.8136**	**.8756**	**.4093**	**1.356**	**6.518**
Stddev	.8	.03	.01	.02	.0013	.0023	.0000	.019	.013
%RSD	.2852	.1728	.0534	.1564	.1562	.2583	.0030	1.384	.2000
#1	274.4	18.56	22.41	15.04	.8127	.8740	.4093	1.369	6.509
#2	273.3	18.51	22.39	15.08	.8145	.8772	.4093	1.343	6.527

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.281**	**1.386**	**.0102**	**.0320**	**2.305**	**.0205**	**.1340**
Stddev	.002	.001	.0001	.0001	.016	.0006	.0002
%RSD	.1633	.0755	.7689	.4234	.6725	2.869	.1453
#1	1.283	1.387	.0101	.0321	2.294	.0201	.1341
#2	1.280	1.385	.0102	.0319	2.316	.0209	.1339

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99172.**	**18141.**	**1910.2**	**6104.3**
Stddev	163.	60.	4.4	21.5
%RSD	.16445	.32889	.23148	.35254
#1	99057.	18183.	1913.3	6119.5
#2	99287.	18098.	1907.1	6089.1

Zoom In Zoom Out

Sample Name: mp79787-s2 Acquired: 6/2/2014 19:39:31 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 10th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.530**	**.0974**	**.0978**	**.9215**	**.4542**	**.8357**	**6.466**	**1.011**	**.0980**
Stddev	.017	.0004	.0003	.0003	.0004	.0007	.012	.002	.0002
%RSD	.3745	.4313	.2969	.0296	.0893	.0801	.1862	.2037	.1826
#1	4.542	.0977	.0976	.9217	.4539	.8362	6.475	1.012	.0981
#2	4.518	.0971	.0980	.9213	.4544	.8352	6.458	1.009	.0978

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.143**	**1.923**	**3.658**	**3.553**	**25.94**	**3.705**	**.7063**	**102.3**	**71.62**
Stddev	.002	.000	.007	.011	.02	.000	.0009	.2	.06
%RSD	.1924	.0061	.1867	.2994	.0863	.0051	.1236	.1889	.0838
#1	1.141	1.923	3.663	3.546	25.96	3.705	.7070	102.4	71.66
#2	1.145	1.923	3.653	3.561	25.93	3.705	.7057	102.2	71.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**341.8**	**17.73**	**17.75**	**15.74**	**.8634**	**.8828**	**.4037**	**1.573**	**10.58**
Stddev	1.2	.06	.08	.06	.0005	.0005	.0003	.002	.01
%RSD	.3638	.3407	.4638	.3995	.0600	.0512	.0689	.1263	.0973
#1	340.9	17.77	17.81	15.78	.8637	.8832	.4039	1.574	10.59
#2	342.7	17.69	17.69	15.69	.8630	.8825	.4035	1.571	10.57

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.259**	**1.624**	**.0129**	**.0245**	**2.760**	**.0233**	**.1201**
Stddev	.000	.001	.0011	.0001	.001	.0023	.0001
%RSD	.0331	.0830	8.449	.4052	.0419	9.833	.0666
#1	1.259	1.625	.0136	.0244	2.759	.0249	.1202
#2	1.259	1.623	.0121	.0246	2.761	.0217	.1201

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95316.**	**17797.**	**1871.1**	**6051.6**
Stddev	187.	36.	.6	2.4
%RSD	.19603	.20381	.03387	.04013
#1	95448.	17771.	1870.7	6049.9
#2	95184.	17823.	1871.6	6053.4

Zoom In Zoom Out

Sample Name: jb67819-10a Acquired: 6/2/2014 19:45:49 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 10th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6464**	**.0027**	**.0018**	**.0421**	**.0747**	**.2444**	**3.935**	**.0964**	**-.0026**
Stddev	.0004	.0000	.0002	.0001	.0005	.0007	.004	.0000	.0001
%RSD	.0656	.9893	10.19	.2482	.6503	.2987	.1005	.0202	4.042
#1	.6467	.0027	.0019	.0422	.0751	.2438	3.938	.0964	-.0027
#2	.6461	.0028	.0017	.0421	.0744	.2449	3.933	.0964	-.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1677**	**.9083**	**.0370**	**.0041**	**29.93**	**-.0013**	**.0311**	**33.70**	**35.64**
Stddev	.0001	.0005	.0068	.0008	.03	.0008	.0011	.00	.04
%RSD	.0485	.0590	18.49	20.00	.1034	67.40	3.516	.0113	.1162
#1	.1676	.9079	.0321	.0035	29.91	-.0007	.0319	33.70	35.67
#2	.1677	.9086	.0418	.0047	29.95	-.0018	.0303	33.70	35.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**207.5**	**4.714**	**3.990**	**2.923**	**.0161**	**.0026**	**-.0050**	**.5500**	**9.834**
Stddev	.4	.007	.014	.002	.0007	.0000	.0004	.0181	.001
%RSD	.2136	.1475	.3551	.0771	4.079	1.799	8.754	3.291	.0120
#1	207.8	4.709	4.000	2.925	.0165	.0026	-.0047	.5628	9.835
#2	207.2	4.719	3.980	2.921	.0156	.0027	-.0053	.5372	9.834

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2644**	**.6936**	**.0003**	**.0190**	**1.896**	**.0088**	**.0923**
Stddev	.0004	.0004	.0015	.0002	.001	.0001	.0002
%RSD	.1573	.0616	579.9	.8669	.0399	.7809	.2013
#1	.2641	.6933	.0013	.0189	1.896	.0087	.0922
#2	.2647	.6939	-.0008	.0191	1.897	.0088	.0925

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98258.**	**18018.**	**1919.4**	**6266.8**
Stddev	206.	46.	2.7	12.9
%RSD	.20937	.25316	.13983	.20516
#1	98403.	17986.	1921.3	6275.9
#2	98112.	18050.	1917.5	6257.7

Zoom In Zoom Out

Sample Name: mp79787-sd1 Acquired: 6/2/2014 19:51:56 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 10th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6438**	**.0026**	**.0013**	**.0404**	**.0760**	**.2324**	**4.025**	**.0953**	**-.0005**
Stddev	.0008	.0002	.0007	.0002	.0006	.0021	.013	.0003	.0010
%RSD	.1274	6.985	54.44	.4725	.7548	.9156	.3160	.2861	223.2
#1	.6432	.0027	.0008	.0403	.0756	.2339	4.034	.0955	-.0012
#2	.6444	.0025	.0018	.0406	.0764	.2309	4.016	.0951	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1652**	**.9240**	**.0357**	**.0132**	**29.96**	**.0074**	**.0396**	**32.79**	**35.78**
Stddev	.0006	.0070	.0029	.0076	.15	.0062	.0061	.00	.11
%RSD	.3640	.7570	8.043	57.66	.5125	84.26	15.49	.0149	.3190
#1	.1656	.9190	.0378	.0186	29.85	.0030	.0439	32.79	35.86
#2	.1648	.9289	.0337	.0078	30.07	.0118	.0352	32.79	35.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**214.4**	**4.713**	**3.919**	**2.838**	**.0069**	**.0014**	**-.0052**	**.5538**	**10.22**
Stddev	.5	.003	.112	.032	.0001	.0003	.0008	.0028	.06
%RSD	.2345	.0595	2.851	1.134	1.266	20.39	15.61	.5116	.5984
#1	214.8	4.711	3.840	2.861	.0068	.0012	-.0058	.5518	10.18
#2	214.1	4.715	3.998	2.815	.0070	.0016	-.0046	.5558	10.26

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2647**	**.6864**	**-.0494**	**.0181**	**1.812**	**.0051**	**.0891**
Stddev	.0001	.0027	.0044	.0007	.006	.0009	.0026
%RSD	.0482	.3861	8.961	3.889	.3397	18.50	2.902
#1	.2646	.6883	-.0525	.0185	1.808	.0058	.0873
#2	.2647	.6846	-.0463	.0176	1.816	.0044	.0909

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100220.**	**17788.**	**1949.2**	**6431.8**
Stddev	213.	57.	8.7	23.8
%RSD	.21223	.32009	.44379	.37076
#1	100070.	17748.	1955.3	6448.7
#2	100380.	17829.	1943.1	6414.9

Zoom In Zoom Out

Sample Name: jb67819-2a 2 Acquired: 6/2/2014 19:58:07 Type: Unk
Method: Accutest1(v99) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 10th multi

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.680**	**.0038**	**.0085**	**.0513**	**.1449**	**.7966**	**2.247**	**.1717**	**.0025**
Stddev	.001	.0000	.0002	.0001	.0008	.0019	.004	.0005	.0001
%RSD	.0570	1.190	2.717	.1874	.5427	.2351	.1794	.2726	4.928
#1	1.679	.0039	.0087	.0514	.1455	.7952	2.244	.1721	.0024
#2	1.680	.0038	.0084	.0513	.1444	.7979	2.250	.1714	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0115**	**3.433**	**.0136**	**.0062**	**5.704**	**.0006**	**-.0008**	**63.64**	**35.52**
Stddev	.0005	.003	.0001	.0004	.001	.0000	.0002	.08	.08
%RSD	4.063	.0772	.5737	6.209	.0187	4.976	20.21	.1268	.2363
#1	.0111	3.435	.0137	.0059	5.705	.0006	-.0007	63.58	35.46
#2	.0118	3.432	.0136	.0065	5.703	.0006	-.0009	63.69	35.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**11.68**	**16.97**	**9.662**	**4.967**	**.0003**	**.0010**	**-.0086**	**1.989**	**.0192**
Stddev	.20	.05	.024	.004	.0002	.0000	.0013	.042	.0006
%RSD	1.744	.2879	.2510	.0747	78.86	1.168	14.72	2.092	3.076
#1	11.54	16.94	9.645	4.964	.0001	.0010	-.0077	2.018	.0188
#2	11.83	17.00	9.679	4.970	.0005	.0010	-.0094	1.959	.0196

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2959**	**.2601**	**.0134**	**.0064**	**.1104**	**-.0026**	**.1014**
Stddev	.0005	.0078	.0007	.0002	.0023	.0012	.0007
%RSD	.1679	3.008	5.329	3.466	2.056	47.28	.7049
#1	.2955	.2546	.0129	.0065	.1088	-.0034	.1009
#2	.2962	.2657	.0139	.0062	.1120	-.0017	.1019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99354.**	**18328.**	**2001.4**	**6080.5**
Stddev	350.	43.	7.0	14.1
%RSD	.35252	.23305	.34958	.23247
#1	99602.	18359.	2006.4	6090.5
#2	99107.	18298.	1996.5	6070.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 20:04:18 Type: QC
Method: Accutest1(v99) 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	**1.985**	**1.977**	**1.964**	**1.960**	**1.956**	**1.926**	**2.018**	**2.007**	**.2379**
Stddev	.002	.004	.001	.003	.002	.006	.002	.004	.0011
%RSD	.1032	.1770	.0719	.1459	.1056	.3254	.1107	.1980	.4433
#1	1.984	1.979	1.963	1.958	1.958	1.922	2.017	2.004	.2372
#2	1.986	1.974	1.965	1.962	1.955	1.930	2.020	2.009	.2387
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**	**2.000**	**1.961**	**2.002**	**2.032**	**1.962**	**1.972**	**39.25**	**39.16**
Stddev	.007	.005	.003	.015	.003	.001	.004	.11	.06
%RSD	.3627	.2351	.1430	.7604	.1235	.0512	.2018	.2718	.1404
#1	1.991	1.997	1.959	1.991	2.030	1.962	1.974	39.32	39.20
#2	2.002	2.003	1.963	2.012	2.033	1.963	1.969	39.17	39.12
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	**39.67**	**39.27**	**39.82**	**40.25**	**1.982**	**1.973**	**1.924**	**4.928**	**2.005**
Stddev	.02	.13	.00	.00	.001	.005	.004	.004	.007
%RSD	.0551	.3198	.0011	.0105	.0543	.2381	.1985	.0766	.3725
#1	39.68	39.36	39.82	40.25	1.983	1.970	1.921	4.925	2.000
#2	39.65	39.18	39.82	40.25	1.982	1.976	1.927	4.930	2.010
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: 6/2/2014 20:04:18 Type: QC
Method: Accutest1(v99) 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	**2.024**	**1.971**	**1.920**	**1.975**	**1.936**	**1.989**	**1.998**
Stddev	.002	.002	.008	.001	.010	.001	.003
%RSD	.1194	.0740	.4185	.0604	.5287	.0377	.1667
#1	2.023	1.970	1.915	1.976	1.929	1.988	1.996
#2	2.026	1.972	1.926	1.974	1.943	1.989	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	**95571.**	**17449.**	**1886.6**	**5888.4**
Stddev	89.	96.	.2	3.0
%RSD	.09317	.55116	.00991	.05097
#1	95634.	17381.	1886.8	5890.5
#2	95508.	17517.	1886.5	5886.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 20:10:20 Type: QC
Method: Accutest1(v99) 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**	F **.0007**	**.0006**	**.0003**	**-.0004**	**.0006**	**.0003**	**.0000**
Stddev	.0001	.0000	.0002	.0002	.0000	.0002	.0000	.0001	.000
%RSD	13.61	6.491	28.02	41.03	12.37	35.88	3.298	37.66	15930.
#1	.0006	.0005	.0006	.0004	.0003	-.0005	.0006	.0002	.0003
#2	.0008	.0005	.0008	.0007	.0002	-.0003	.0006	.0004	-.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**-.0001**	**-.0001**	**.0020**	**.0016**	**.0015**	**.0142**	**.0065**
Stddev	.0000	.0000	.0001	.0014	.0002	.0021	.0005	.0033	.0007
%RSD	9.951	10.53	189.0	1665.	7.554	136.0	31.61	23.01	10.10
#1	.0004	.0004	-.0002	.0009	.0022	.0031	.0011	.0165	.0069
#2	.0005	.0004	.0000	-.0010	.0019	.0001	.0018	.0119	.0060
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 **.0179**	**-.0042**	**.0248**	**.0129**	**.0009**	**.0018**	**.0012**	**.0018**	**.0009**
Stddev	.0004	.0094	.0082	.0026	.0000	.0001	.0007	.0014	.0009
%RSD	2.286	225.1	32.99	20.41	5.076	7.466	55.35	78.33	101.1
#1	.0177	.0025	.0306	.0111	.0009	.0019	.0007	.0008	.0002
#2	.0182	-.0108	.0190	.0148	.0010	.0017	.0017	.0028	.0015
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: 6/2/2014 20:10:20 Type: QC
Method: Accutest1(v99) 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**	**.0009**	**-.0021**	**.0005**	**-.0003**	**-.0012**	**.0000**
Stddev	.0000	.0002	.0007	.0002	.0008	.0004	.0008
%RSD	.6067	23.51	31.13	35.46	284.0	35.90	3237.
#1	.0005	.0007	-.0017	.0006	-.0008	-.0009	-.0005
#2	.0005	.0010	-.0026	.0004	.0003	-.0015	.0006
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	**99502.**	**17646.**	**1943.0**	**6546.6**
Stddev	53.	20.	7.3	11.1
%RSD	.05344	.11455	.37338	.17019
#1	99464.	17661.	1948.1	6554.5
#2	99540.	17632.	1937.9	6538.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/2/2014 20:16:38 Type: QC
Method: Accutest1(v99) 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	**.2084**	**.0023**	**.0035**	**.0507**	**.0112**	**.0090**	**.0163**	**.0103**	**.0050**
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0001	.0000	.0002
%RSD	.0361	1.162	1.089	.2728	2.151	.6703	.3943	.0786	3.056
#1	.2083	.0022	.0035	.0506	.0111	.0089	.0163	.0103	.0051
#2	.2084	.0023	.0036	.0508	.0114	.0090	.0164	.0103	.0049
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	**.0528**	**.0239**	**.0083**	**.0094**	**.0033**	**.0110**	**.0075**	**.2052**	**5.313**
Stddev	.0001	.0002	.0003	.0008	.0003	.0023	.0009	.0060	.009
%RSD	.2058	.7453	3.720	8.294	10.26	20.73	12.09	2.942	.1759
#1	.0527	.0237	.0081	.0099	.0035	.0093	.0081	.2010	5.319
#2	.0529	.0240	.0085	.0088	.0030	.0126	.0068	.2095	5.306
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	**.1155**	**5.528**	**5.297**	**5.205**	**.1079**	**.0219**	**.0564**	**.2250**	**.0119**
Stddev	.0023	.026	.038	.011	.0006	.0001	.0006	.0007	.0005
%RSD	1.953	.4663	.7134	.2063	.5122	.3052	1.099	.2929	4.328
#1	.1139	5.546	5.324	5.213	.1075	.0219	.0568	.2246	.0123
#2	.1171	5.510	5.271	5.198	.1083	.0220	.0560	.2255	.0115
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: 6/2/2014 20:16:38 Type: QC
Method: Accutest1(v99) 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	**.0112**	**.0113**	**.0571**	**.0119**	**.0513**	**.0220**	**.0231**
Stddev	.0000	.0000	.0008	.0001	.0014	.0005	.0011
%RSD	.1590	.1388	1.425	.7665	2.662	2.489	4.859
#1	.0113	.0113	.0565	.0120	.0523	.0216	.0238
#2	.0112	.0113	.0577	.0119	.0503	.0224	.0223
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	**100290.**	**17606.**	**1913.4**	**6393.0**
Stddev	76.	50.	3.5	8.6
%RSD	.07596	.28422	.18185	.13390
#1	100240.	17571.	1915.9	6399.1
#2	100350.	17642.	1911.0	6387.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/2/2014 20:22:52 Type: QC
Method: Accutest1(v99) 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	**.0044**	**.0011**	**.0011**	**.0031**	**.0023**	F **.0011**	**.0034**	**.0038**	**.0010**
Stddev	.0000	.0000	.0001	.0001	.0002	.0001	.0001	.0001	.0001
%RSD	.1539	.2914	6.177	1.698	7.885	8.084	1.557	2.143	7.084
#1	.0044	.0011	.0012	.0031	.0024	.0011	.0034	.0037	.0010
#2	.0044	.0011	.0011	.0031	.0021	.0010	.0034	.0038	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0020			
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**	**.0121**	**.0031**	**.0022**	F **.0034**	**.0057**	**.0036**	**.1053**	**1.041**
Stddev	.0002	.0000	.0009	.0013	.0004	.0011	.0005	.0072	.001
%RSD	10.80	.0164	27.72	60.84	13.43	18.56	14.17	6.841	.0909
#1	.0019	.0121	.0025	.0013	.0037	.0065	.0033	.1104	1.042
#2	.0023	.0121	.0037	.0032	.0030	.0050	.0040	.1003	1.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.0025				
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	**.0023**	**.1053**	**2.164**	**1.084**	**.0094**	**-.0002**	**.0007**	**.0025**	**-.0001**
Stddev	.0027	.0029	.002	.002	.0002	.0001	.0003	.0002	.0002
%RSD	116.2	2.734	.0775	.2128	2.475	21.53	44.35	7.182	126.7
#1	.0004	.1074	2.166	1.086	.0095	-.0002	.0005	.0026	-.0003
#2	.0042	.1033	2.163	1.083	.0092	-.0003	.0009	.0024	.0000
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/2/2014 20:22:52 Type: QC
Method: Accutest1(v99) 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**	**-.0095**	**-.0003**	**.0003**	**-.0006**	**-.0001**
Stddev	.0000	.000	.0005	.0000	.0011	.0012	.0006
%RSD	31.80	338.9	5.132	17.71	316.1	192.4	592.7
#1	.0000	-.0001	-.0098	-.0003	.0011	.0002	-.0005
#2	.0000	.0001	-.0091	-.0002	-.0004	-.0015	.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	**98638.**	**17393.**	**1940.1**	**6484.4**
Stddev	24.	30.	2.4	7.1
%RSD	.02474	.17527	.12502	.10998
#1	98621.	17372.	1938.4	6489.5
#2	98655.	17415.	1941.8	6479.4

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 20:29:10 Type: QC
Method: Accutest1(v99) 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**	**.0000**	**-.0001**	**-.0001**	**-.0011**	**.0000**	**-.0004**	**-.0001**
Stddev	.0000	.0000	.0001	.0001	.0003	.0001	.000	.0001	.0002
%RSD	12.83	82.25	152.7	67.80	385.8	5.747	45.37	33.42	344.7
#1	.0002	.0000	.0000	-.0001	-.0003	-.0011	.0000	-.0003	-.0002
#2	.0002	-.0001	.0001	-.0002	.0002	-.0010	.0000	-.0005	.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**	**.0002**	**.0195**	**.0002**	**.0213**	**.0228**	**.0210**	**.5218**	**-.0006**
Stddev	.0001	.0000	.0004	.0004	.0012	.0005	.0009	.0025	.0033
%RSD	26.63	10.30	2.035	197.3	5.640	2.354	4.152	.4696	513.4
#1	-.0003	.0002	.0198	.0005	.0205	.0232	.0204	.5235	.0017
#2	-.0004	.0002	.0192	-.0001	.0222	.0224	.0216	.5201	-.0030
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	**.5355**	**-.0218**	**-.0073**	**.0015**	**-.0008**	**-.0004**	**.0003**	**-.0002**	**-.0005**
Stddev	.0029	.0313	.0117	.0025	.0003	.0003	.0010	.0000	.0004
%RSD	.5427	143.4	159.5	169.3	35.21	68.13	332.3	23.65	95.41
#1	.5376	-.0439	-.0156	.0032	-.0006	-.0007	-.0004	-.0002	-.0008
#2	.5335	.0003	.0009	-.0003	-.0011	-.0002	.0010	-.0002	-.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 20:29:10 Type: QC
Method: Accutest1(v99) 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**	**-.0105**	**-.0004**	**-.0012**	**-.0008**	**-.0004**
Stddev	.000	.0002	.0000	.0001	.0008	.0006	.0003
%RSD	520.3	289.3	.0735	33.11	69.88	76.60	71.38
#1	.0000	-.0001	-.0105	-.0003	-.0018	-.0013	-.0006
#2	.0000	.0002	-.0105	-.0005	-.0006	-.0004	-.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	**99273.**	**17580.**	**1960.0**	**6576.1**
Stddev	23.	122.	3.0	2.6
%RSD	.02275	.69282	.15239	.03966
#1	99257.	17493.	1962.1	6574.3
#2	99289.	17666.	1957.9	6578.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/2/2014 20:35:29 Type: QC
Method: Accutest1(v99) 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**	**-.0001**	**.0019**	**.0030**	**-.0008**	**.0015**	**.0019**	**-.0008**	**.0034**
Stddev	.0000	.0000	.0000	.0000	.0004	.0002	.0001	.0003	.0000
%RSD	.0966	8.423	1.421	1.424	54.55	15.14	4.804	41.78	1.195
#1	-.0008	-.0001	.0019	.0029	-.0011	.0017	.0018	-.0005	.0034
#2	-.0008	-.0001	.0019	.0030	-.0005	.0014	.0020	-.0010	.0034
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	**-.0007**	**-.0018**	**-.0011**	**.0021**	**-.0023**	**.0143**	**.0068**	**508.5**	**385.9**
Stddev	.0002	.0005	.0018	.0019	.0030	.0071	.0006	9.2	1.8
%RSD	26.24	26.54	159.7	92.23	132.1	49.57	9.358	1.807	.4677
#1	-.0005	-.0021	-.0023	.0007	-.0001	.0193	.0063	515.0	387.1
#2	-.0008	-.0015	.0001	.0035	-.0044	.0093	.0072	502.0	384.6
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	**195.7**	**547.3**	**-.0203**	**-.0066**	**-.0136**	**-.0012**	**-.0155**	**-.0040**	**.0060**
Stddev	.3	.9	.0048	.0037	.0015	.0004	.0001	.0024	.0004
%RSD	.1540	.1717	23.80	56.66	10.90	31.09	.7862	59.18	5.810
#1	196.0	548.0	-.0169	-.0039	-.0147	-.0010	-.0156	-.0057	.0058
#2	195.5	546.7	-.0237	-.0092	-.0126	-.0015	-.0154	-.0023	.0063
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: 6/2/2014 20:35:29 Type: QC
Method: Accutest1(v99) 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**	**.0021**	**.0072**	F **.0114**	**-.0500**	**.0006**	**.0057**
Stddev	.0000	.0001	.0012	.0001	.0009	.0006	.0004
%RSD	.2839	6.567	16.63	1.020	1.812	96.09	6.521
#1	-.0006	.0022	.0081	.0115	-.0506	.0011	.0055
#2	-.0006	.0020	.0064	.0113	-.0493	.0002	.0060
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	**85343.**	**16554.**	**1690.1**	**5095.8**
Stddev	191.	70.	5.6	7.6
%RSD	.22408	.42165	.33156	.14837
#1	85478.	16505.	1694.1	5101.2
#2	85208.	16604.	1686.2	5090.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 20:41:53 Type: QC
Method: Accutest1(v99) 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	**.5045**	**.4958**	**1.029**	**.4811**	**.4751**	**.5209**	**.5080**	**.9723**	**1.142**
Stddev	.0002	.0002	.004	.0017	.0007	.0010	.0002	.0021	.001
%RSD	.0383	.0467	.3731	.3540	.1449	.1982	.0446	.2142	.0397
#1	.5044	.4960	1.027	.4799	.4746	.5216	.5078	.9709	1.143
#2	.5047	.4956	1.032	.4823	.4756	.5201	.5081	.9738	1.142
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	**.4832**	**.9672**	**1.087**	**.9308**	**.9605**	**1.108**	**1.040**	**514.6**	**385.4**
Stddev	.0009	.0024	.008	.0049	.0017	.003	.001	.1	.7
%RSD	.1870	.2530	.7119	.5258	.1741	.2581	.1367	.0167	.1824
#1	.4838	.9654	1.082	.9273	.9594	1.106	1.039	514.6	385.9
#2	.4826	.9689	1.092	.9342	.9617	1.110	1.041	514.7	384.9
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	**194.4**	**558.3**	**-.0246**	**-.0064**	**-.0141**	**.4980**	**.5190**	**-.0014**	**.0083**
Stddev	.0	.1	.0111	.0118	.0005	.0020	.0001	.0000	.0000
%RSD	.0227	.0243	45.31	185.0	3.567	.4079	.0153	1.543	.2667
#1	194.4	558.4	-.0324	.0020	-.0145	.4965	.5190	-.0014	.0083
#2	194.4	558.2	-.0167	-.0147	-.0138	.4994	.5189	-.0014	.0083
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 20:41:53 Type: QC
Method: Accutest1(v99) 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	**-.0007**	**.0060**	**.5717**	**.5955**	**.4679**	**.5599**	**.5675**
Stddev	.0001	.0004	.0012	.0015	.0039	.0013	.0006
%RSD	15.66	6.636	.2078	.2545	.8250	.2294	.0977
#1	-.0006	.0063	.5709	.5944	.4651	.5590	.5671
#2	-.0008	.0057	.5725	.5966	.4706	.5609	.5679
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	**85198.**	**16404.**	**1681.2**	**5089.8**
Stddev	67.	21.	5.0	9.6
%RSD	.07873	.12733	.29719	.18793
#1	85150.	16389.	1684.7	5096.5
#2	85245.	16418.	1677.7	5083.0

Zoom In Zoom Out

Sample Name: Siconf Acquired: 6/2/2014 20:48:10 Type: Unk
Method: Accutest1(v99) 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**	**.0000**	**.0008**	**-.0004**	**.0005**	**-.0005**	**-.0012**	**-.0003**	**.0009**
Stddev	.0001	.0000	.0002	.0000	.0004	.0003	.0002	.0001	.0008
%RSD	20.93	166.0	27.64	3.093	89.80	54.23	15.05	23.24	91.13
#1	.0004	.0000	.0009	-.0004	.0002	-.0006	-.0013	-.0004	.0003
#2	.0005	.0000	.0006	-.0004	.0007	-.0003	-.0011	-.0003	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**-.0034**	**-.0009**	**-.0001**	**.0008**	**.0065**	**.0017**	**.1175**	**.1341**
Stddev	.0004	.0001	.0001	.0011	.0010	.0021	.0004	.0234	.0177
%RSD	139.9	3.142	6.409	1520.	113.4	32.59	25.03	19.89	13.19
#1	.0000	-.0033	-.0009	-.0009	.0015	.0080	.0020	.1010	.1216
#2	.0005	-.0034	-.0009	.0007	.0002	.0050	.0014	.1341	.1466

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0563**	**.1529**	**.0016**	**.0089**	**.0038**	**.0003**	**.0005**	**11.26**	**.0001**
Stddev	.0085	.0141	.0140	.0027	.0001	.0001	.0004	.02	.0004
%RSD	15.10	9.237	901.4	30.17	2.382	43.94	83.50	.1403	332.1
#1	.0503	.1429	-.0083	.0108	.0039	.0003	.0008	11.25	-.0002
#2	.0623	.1629	.0115	.0070	.0037	.0002	.0002	11.27	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0088**	**.0162**	**.0003**	**-.0018**	**.0002**
Stddev	.0001	.0000	.0006	.0011	.0023	.0000	.0005
%RSD	222.5	1.413	6.884	7.077	854.7	.9698	200.5
#1	.0000	.0003	-.0093	.0170	-.0014	-.0019	.0006
#2	.0001	.0003	-.0084	.0154	.0019	-.0018	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100200.**	**17408.**	**1944.6**	**6516.5**
Stddev	164.	113.	1.8	1.8
%RSD	.16414	.64816	.09152	.02734
#1	100320.	17488.	1945.8	6517.8
#2	100090.	17328.	1943.3	6515.2

Zoom In Zoom Out

Sample Name: Caconf Acquired: 6/2/2014 20:54:28 Type: Unk
Method: Accutest1(v99) 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**	**.0006**	**.0012**	**.0016**	**.0001**	**.0011**	**.0003**
Stddev	.0001	.0000	.0002	.0001	.0004	.0000	.0000	.0000	.0001
%RSD	40.23	41.11	48.71	19.35	31.07	.7669	53.25	3.519	31.81
#1	.0002	-.0001	.0004	.0007	.0015	.0015	.0000	.0011	.0002
#2	.0004	.0000	.0002	.0005	.0010	.0016	.0001	.0011	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0018**	**-.0001**	**-.0005**	**-.0012**	**.0148**	**.0004**	**.0261**	**388.6**
Stddev	.0001	.0001	.0003	.0001	.0004	.0027	.0000	.0031	2.8
%RSD	86.07	3.834	321.3	15.50	32.47	18.38	.8420	11.68	.7335
#1	.0000	.0017	.0001	-.0005	-.0014	.0167	.0005	.0283	390.6
#2	-.0002	.0018	-.0003	-.0004	-.0009	.0128	.0004	.0240	386.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0087**	**.0069**	**.0027**	**.0148**	**-.0085**	**.0011**	**-.0087**	**.0122**	**.0021**
Stddev	.0000	.0034	.0034	.0119	.0005	.0002	.0006	.0002	.0011
%RSD	.0410	49.84	127.3	80.24	5.530	18.98	6.650	1.347	51.40
#1	.0087	.0044	.0003	.0233	-.0089	.0013	-.0083	.0123	.0028
#2	.0087	.0093	.0051	.0064	-.0082	.0010	-.0091	.0121	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0010**	**.0020**	**-.0123**	**-.0004**	**.0004**	**.0004**	**.0036**
Stddev	.0001	.0005	.0000	.0002	.0022	.0003	.0005
%RSD	10.84	24.92	.1119	50.82	506.3	69.93	15.19
#1	-.0010	.0017	-.0123	-.0006	-.0011	.0006	.0032
#2	-.0009	.0024	-.0123	-.0003	.0020	.0002	.0040

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91467.**	**17027.**	**1779.2**	**5564.6**
Stddev	207.	14.	6.3	13.0
%RSD	.22640	.08334	.35232	.23297
#1	91613.	17016.	1783.7	5573.8
#2	91320.	17037.	1774.8	5555.5

Zoom In Zoom Out

Sample Name: Pbconf Acquired: 6/2/2014 21:00:52 Type: Unk
Method: Accutest1(v99) 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**	**.0000**	**-.0010**	**.0000**	**-.0005**	**.0001**
Stddev	.0000	.000	.0000	.0003	.000	.0001	.0000	.0003	.0002
%RSD	11.51	71.67	25.75	220.1	786.1	8.927	140.6	48.51	156.1
#1	.0001	.0000	.0002	.0001	.0001	-.0011	.0000	-.0007	.0002
#2	.0002	-.0001	.0001	-.0003	-.0002	-.0010	.0000	-.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0009**	**-.0011**	**.0000**	**10.76**	**-.0001**	**.0009**	**.0057**	**.0039**
Stddev	.0002	.0002	.0004	.0009	.01	.0007	.0002	.0019	.0006
%RSD	222.1	17.50	36.15	3328.	.0872	965.1	17.12	32.54	16.46
#1	-.0002	.0010	-.0013	-.0006	10.75	-.0006	.0008	.0070	.0035
#2	.0001	.0008	-.0008	.0006	10.76	.0005	.0010	.0044	.0044

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0034**	**-.0118**	**-.0044**	**.0003**	**-.0015**	**-.0006**	**.0006**	**.0198**	**-.0005**
Stddev	.0019	.0048	.0036	.0019	.0001	.0000	.0004	.0003	.0005
%RSD	56.82	40.64	83.54	563.8	7.372	8.328	62.07	1.390	113.4
#1	.0047	-.0084	-.0069	.0016	-.0014	-.0006	.0009	.0200	-.0001
#2	.0020	-.0152	-.0018	-.0010	-.0016	-.0006	.0003	.0196	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0112**	**.0001**	**-.0018**	**-.0004**	**.0002**
Stddev	.000	.000	.0007	.0002	.0017	.0008	.0006
%RSD	50.42	551.1	6.416	228.8	94.29	216.6	295.6
#1	-.0001	-.0002	-.0107	.0000	-.0006	.0002	.0007
#2	.0000	.0001	-.0117	.0002	-.0030	-.0010	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99974.**	**17635.**	**1946.8**	**6551.2**
Stddev	144.	26.	2.1	4.6
%RSD	.14401	.14642	.10988	.07035
#1	99872.	17617.	1948.3	6554.5
#2	100080.	17654.	1945.3	6548.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 21:07:11 Type: QC
Method: Accutest1(v99) 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	**1.991**	**1.984**	**1.978**	**1.968**	**1.966**	**1.935**	**2.029**	**2.014**	**.2393**
Stddev	.000	.000	.003	.004	.006	.008	.007	.004	.0014
%RSD	.0204	.0010	.1583	.1952	.2957	.3994	.3538	.2203	.5760
#1	1.991	1.984	1.976	1.965	1.970	1.941	2.034	2.011	.2403
#2	1.990	1.984	1.980	1.970	1.962	1.930	2.024	2.017	.2384
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	**2.004**	**2.011**	**1.974**	**2.019**	**2.035**	**1.971**	**1.977**	**39.61**	**39.24**
Stddev	.010	.004	.002	.006	.006	.000	.004	.02	.04
%RSD	.5005	.2093	.0831	.3199	.2928	.0068	.2218	.0449	.0961
#1	2.011	2.008	1.973	2.024	2.031	1.971	1.974	39.62	39.21
#2	1.997	2.014	1.975	2.014	2.040	1.971	1.980	39.60	39.26
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	**39.66**	**39.44**	**40.08**	**40.54**	**1.992**	**1.988**	**1.933**	**4.951**	**2.024**
Stddev	.01	.07	.03	.01	.003	.002	.008	.003	.004
%RSD	.0275	.1726	.0662	.0298	.1263	.1032	.4229	.0609	.1924
#1	39.67	39.49	40.10	40.53	1.990	1.987	1.939	4.949	2.027
#2	39.66	39.39	40.06	40.55	1.994	1.990	1.927	4.953	2.021
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: 6/2/2014 21:07:11 Type: QC
Method: Accutest1(v99) 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	**2.025**	**1.977**	**1.933**	**1.980**	**1.959**	**1.993**	**2.006**
Stddev	.001	.005	.008	.002	.001	.000	.004
%RSD	.0493	.2320	.3952	.1104	.0346	.0164	.1726
#1	2.025	1.980	1.928	1.981	1.959	1.993	2.003
#2	2.026	1.974	1.939	1.978	1.958	1.993	2.008
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	**95350.**	**17301.**	**1881.9**	**5881.9**
Stddev	182.	29.	.8	8.2
%RSD	.19108	.16672	.04397	.13923
#1	95222.	17281.	1882.5	5887.7
#2	95479.	17322.	1881.3	5876.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 21:13:14 Type: QC
Method: Accutest1(v99) 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	**.0010**	**.0007**	F **.0009**	**.0008**	**.0009**	**-.0003**	**.0009**	**.0004**	**-.0001**
Stddev	.0001	.0000	.0001	.0001	.0001	.0004	.0000	.0002	.0005
%RSD	5.104	5.780	6.990	8.388	11.91	120.4	3.490	49.94	552.3
#1	.0010	.0007	.0009	.0008	.0008	.0000	.0008	.0003	-.0004
#2	.0010	.0007	.0009	.0009	.0009	-.0006	.0009	.0006	.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006						
Low Limit			-.0006						

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0006**	**.0003**	**-.0008**	**.0012**	**.0005**	**.0013**	**.0139**	**.0135**
Stddev	.0001	.0000	.0002	.0009	.0002	.0004	.0004	.0018	.0006
%RSD	10.74	2.094	57.63	122.9	19.24	82.30	32.94	13.30	4.642
#1	.0006	.0006	.0002	-.0001	.0013	.0002	.0016	.0126	.0131
#2	.0007	.0007	.0004	-.0014	.0010	.0008	.0010	.0152	.0140
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 **.0216**	**-.0012**	**-.0178**	**.0175**	**.0010**	**.0017**	**.0003**	**.0018**	**.0008**
Stddev	.0007	.0042	.0254	.0034	.0000	.0001	.0001	.0006	.0002
%RSD	3.260	365.7	142.9	19.72	2.942	5.901	33.90	34.18	18.90
#1	.0221	.0018	-.0358	.0199	.0010	.0018	.0004	.0014	.0009
#2	.0211	-.0042	.0002	.0150	.0009	.0016	.0003	.0022	.0007
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: 6/2/2014 21:13:14 Type: QC
Method: Accutest1(v99) 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	**.0007**	**.0007**	**-.0032**	**.0007**	**.0011**	**.0001**	**.0011**
Stddev	.0000	.0001	.0014	.0000	.0009	.0002	.0007
%RSD	.8007	11.60	44.84	2.416	78.50	201.0	66.09
#1	.0007	.0008	-.0022	.0007	.0005	.0003	.0016
#2	.0007	.0007	-.0042	.0007	.0017	.0000	.0006
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	**100810.**	**17590.**	**1945.4**	**6561.3**
Stddev	239.	39.	6.8	24.0
%RSD	.23691	.22193	.35125	.36632
#1	100980.	17562.	1950.2	6578.3
#2	100650.	17617.	1940.6	6544.3

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	0.000535	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.000252	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	0.002500	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	0.000070	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	0.000072	0.000000	No
				Al	-0.000002	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	0.002270	0.000000	No
				Mo	-0.000300	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000130	0.000000	No
				Mo	-0.000153	0.000000	No
				Fe	-0.000004	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	0.000702	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	-0.000029	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	-0.000066	0.000000	No
				Ti	0.000095	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000150	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	0.000020	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	-0.001200	0.000000	No
			Zr	0.010000	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000004	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000215	0.000000	No
			Al	-0.000021	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	0.005000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000032	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.008350	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.003870	0.000000	No
			Mn	-0.000100	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000700	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	-0.000170	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	0.000600	0.000000	No
As 189.042 {478}	☒	20	Al	0.000015	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.002710	0.000000	No
			Cr	0.000600	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
Tl 190.856 {477}	☒	27	Cr	0.000483	0.000000	No
			Mo	-0.011000	0.000000	No
			Al	-0.000014	0.000000	No
			V	-0.024800	0.000000	No
			Mn	0.001290	0.000000	No
			Si	0.000073	0.000000	No
			Ca	0.000013	0.000000	No
			Ti	-0.001000	0.000000	No
			Cu	-0.000095	0.000000	No
			Co	0.012300	0.000000	No
			Sr	0.000000	0.000000	No
			Zn	-0.000180	0.000000	No
			Pb	-0.000090	0.000000	No
			Mg	-0.000001	0.000000	No
			Ba	0.000000	0.000000	No
			Sb	0.000004	0.000000	No
			W	0.000000	0.000000	No
			B	0.000567	0.000000	No
			Pd	-0.000032	0.000000	No
			Ni	0.000030	0.000000	No
			Sn	0.000100	0.000000	No
			Fe	-0.000093	0.000000	No
			Li	0.000009	0.000000	No
			S	0.000010	0.000000	No
			Na	-0.000011	0.000000	No
			K	0.000000	0.000000	No
			As	0.000200	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000096	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000060	0.000000	No
			Zn	-0.000173	0.000000	No
			Mo	-0.000950	0.000000	No
			Ni	0.000129	0.000000	No
			Cu	0.000370	0.000000	No
			V	-0.000206	0.000000	No
			Co	0.000016	0.000000	No
			Ti	0.000000	0.000000	No
			Si	0.000060	0.000000	No
			Mg	0.000002	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	0.000000	0.000000	No
			Zr	0.000000	0.000000	No
			S	-0.000022	0.000000	No
			Sr	-0.000035	0.000000	No
Se 196.090 {472}	☒	17	Al	-0.000020	0.000000	No
			Ca	-0.000039	0.000000	No
			Mn	0.000345	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.000038	0.000000	No
			Co	-0.000140	0.000000	No
			Cu	-0.000107	0.000000	No
			Mg	0.000007	0.000000	No
			Ti	0.000000	0.000000	No
			Sb	-0.000010	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	-0.000126	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	0.100000	0.000000	No
			Zr	-0.000833	0.000000	No
Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.000078	0.000000	No
			Cr	0.011940	0.000000	No
			V	-0.002240	0.000000	No
			Zn	-0.000104	0.000000	No
			Mo	0.000420	0.000000	No
			Ti	0.000160	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	0.049000	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
			Pb	0.000002	0.000000	No
			Fe	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
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	0.037450	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	0.000044	0.000000	No
			V	0.000500	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000250	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	0.000000	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	-0.009667	0.000000	No
Si 212.412 {459}	☒	11	Mn	-0.002280	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	0.020000	0.000000	No
			Ti	0.058400	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	-0.005803	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.000460	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000406	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	0.000620	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
			S	-0.000097	0.000000	No
			Ti	0.000032	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mg	-0.000008	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	0.000072	0.000000	No
				Fe	-0.000029	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	-0.001522	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}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.003727	2.900401	0.000000	1.000000
Be 313.042 {108}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000173	2.878196	0.000000	1.000000
Cd 228.802 {448}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000738	1.206760	0.000000	1.000000
Co 228.616 {448}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000175	0.373907	0.000000	1.000000
Cr 267.716 {126}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000010	0.078560	0.000000	1.000000
Cu 324.754 {104}2	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.002535	0.288155	0.000000	1.000000
Mn 257.610 {131}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000048	0.206021	0.000000	1.000000
Ni 231.604 {446}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000874	0.290036	0.000000	1.000000
Ag 328.068 {103}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000001	0.135852	0.000000	1.000000
V 292.402 {115}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000023	0.145574	0.000000	1.000000
Zn 206.200 {464}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000431	0.954952	0.000000	1.000000
As 189.042 {478}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000398	0.201476	0.000000	1.000000
Tl 190.856 {477}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000216	0.038766	0.000000	1.000000
Pb 220.353 {453}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000209	0.132279	0.000000	1.000000
Se 196.090 {472}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000514	0.111976	0.000000	1.000000
Sb 206.833 {463}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000990	0.274409	0.000000	1.000000
Al 396.152 { 85}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000761	0.045487	0.000000	1.000000
Ca 317.933 {106}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.004376	0.067659	0.000000	1.000000
Fe 259.940 {130}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000095	0.042392	0.000000	1.000000
Mg 279.079 {121}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000074	0.005517	0.000000	1.000000
K 766.490 { 44}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.001489	0.025226	0.000000	1.000000
Na 589.592 { 57}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.002333	0.089495	0.000000	1.000000
B 208.959 {462}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.001267	0.274618	0.000000	1.000000
Mo 202.030 {467}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.001709	1.108290	0.000000	1.000000
Pd 340.458 { 99}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000043	0.068642	0.000000	1.000000
Si 212.412 {459}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.006818	0.298802	0.000000	1.000000
Sn 189.989 {478}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000567	0.181199	0.000000	1.000000
Sr 407.771 { 83}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000086	4.000649	0.000000	1.000000
Ti 334.904 {101}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000149	0.162141	0.000000	1.000000
Y 360.073 { 94}*	6/3/2014 10:03:34	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/3/2014 10:03:34	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/3/2014 10:03:34	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/3/2014 10:03:34	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.009074	0.507465	0.000000	1.000000
Zr 339.198 { 99}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000092	0.378180	0.000000	1.000000
S 182.034 {485}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	0.000634	0.084145	0.000000	1.000000
Bi 223.061 {451}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.001126	0.381101	0.000000	1.000000
Li 670.784 { 50}	6/3/2014 10:03:34	6/2/2014 12:22:49	Linear	1/Conc	-0.000432	0.701399	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	0.000164	0.000546	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000060	0.000201	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000181	0.000604	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000270	0.000900	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000417	0.001390	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000284	0.000945	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000058	0.000192	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000321	0.001072	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000401	0.001338	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000310	0.001032	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000198	0.000660	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000879	0.002931	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001594	0.005313	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001042	0.003474	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001936	0.006454	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.000986	0.003287	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007782	0.025941	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.002944	0.009814	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002320	0.007733	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.022380	0.074601	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.026264	0.087548	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.007107	0.023690	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000626	0.002088	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000210	0.000699	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000982	0.003275	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000860	0.002866	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000801	0.002671	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000076	0.000252	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000402	0.001339	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	0.000964	0.003214	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000173	0.000577	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002120	0.007066	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000970	0.003234	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000929	0.003095	OK.	1.000000	0.000000	1	0

MA34150

Method: ACCUTEST Operator: Admin Date of Analysis: 03 Jun 2014 10:16:00

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	03 Jun 2014 11:56:42	Std	ug/l	-	-82	1.000	1.000
STDB 1 - 1	03 Jun 2014 11:57:59	Std	ug/l	-	524	1.000	1.000
STDC - 1	03 Jun 2014 11:59:17	Std	ug/l	-	1409	1.000	1.000
STDD - 1	03 Jun 2014 12:00:37	Std	ug/l	-	3275	1.000	1.000
STDE - 1	03 Jun 2014 12:02:01	Std	ug/l	-	8052	1.000	1.000
STDF - 1	03 Jun 2014 12:03:28	Std	ug/l	-	16827	1.000	1.000
ICV - 1	03 Jun 2014 12:13:06	SMPL	ug/l	2.7931	9263	1.000	1.000
ICB - 1	03 Jun 2014 12:14:22	SMPL	ug/l	-0.0358	-308	1.000	1.000
ICCV - 1	03 Jun 2014 12:15:57	CK STND	ug/l	99.1% 2.4768	8193	1.000	1.000
CCB - 1	03 Jun 2014 12:17:13	CK STND	ug/l	-0.0304	-290	1.000	1.000
CRI - 1	03 Jun 2014 12:18:46	SMPL	ug/l	0.2199	557	1.000	1.000
MP79838-MB1 - 1	03 Jun 2014 12:32:13	SMPL	ug/l	0.0100	-153	1.000	1.000
MP79838-LC1 - 1	03 Jun 2014 12:33:30	SMPL	ug/l	1.9286	6338	1.000	1.000
MP79838-S1CONF - 1	03 Jun 2014 12:34:48	SMPL	ug/l	0.0621	23	1.000	1.000
MP79838-S2CONF - 1	03 Jun 2014 12:36:19	SMPL	ug/l	0.0715	55	1.000	1.000
JB68005-1 - 1	03 Jun 2014 12:37:38	SMPL	ug/l	0.0706	52	1.000	1.000
JB67744-6 - 1	03 Jun 2014 12:38:56	SMPL	ug/l	0.0467	-29	1.000	1.000
JB67744-11 - 1	03 Jun 2014 12:40:13	SMPL	ug/l	0.0523	-10	1.000	1.000
MP79839-MB1 2 - 1	03 Jun 2014 12:41:30	SMPL	ug/l	0.0408	-49	1.000	1.000
MP79839-LC1 - 1	03 Jun 2014 12:42:46	SMPL	ug/l	1.9380	6370	1.000	1.000
CCV 1 - 1	03 Jun 2014 12:44:03	CK STND	ug/l	97.6% 2.4405	8070	1.000	1.000
CCB - 1	03 Jun 2014 12:45:32	CK STND	ug/l	0.0030	-177	1.000	1.000
MP79839-S1 2 - 1	03 Jun 2014 12:47:03	SMPL	ug/l	2.2318	7364	1.000	1.000
MP79839-S2 - 1	03 Jun 2014 12:48:20	SMPL	ug/l	2.2318	7364	1.000	1.000
JB67463-3 - 1	03 Jun 2014 12:49:48	SMPL	ug/l	0.0189	-123	1.000	1.000
JB64500-28 - 1	03 Jun 2014 12:51:16	SMPL	ug/l	0.0597	15	1.000	1.000
JB67475-1 - 1	03 Jun 2014 12:52:34	SMPL	ug/l	0.0644	31	1.000	1.000
JB67477-1 - 1	03 Jun 2014 12:55:59	SMPL	ug/l	0.0925	126	1.000	1.000
JB67492-1 - 1	03 Jun 2014 12:57:16	SMPL	ug/l	0.0621	23	1.000	1.000
JB67492-2 - 1	03 Jun 2014 12:58:33	SMPL	ug/l	0.0833	95	1.000	1.000
JB67492-3 - 1	03 Jun 2014 12:59:49	SMPL	ug/l	0.0987	147	1.000	1.000
JB67492-4 - 1	03 Jun 2014 13:01:06	SMPL	ug/l	0.4419	1308	1.000	1.000
CCV - 1	03 Jun 2014 13:02:23	CK STND	ug/l	100.3% 2.5073	8296	1.000	1.000
CCB - 1	03 Jun 2014 13:03:38	CK STND	ug/l	-0.0136	-233	1.000	1.000
MP79837-MB1 - 1	03 Jun 2014 13:05:09	SMPL	ug/l	0.0408	-49	1.000	1.000
MP79837-LC1 - 1	03 Jun 2014 13:06:26	SMPL	ug/l	1.9442	6391	1.000	1.000
MP79837-S1 - 1	03 Jun 2014 13:07:43	SMPL	ug/l	0.2764	748	1.000	1.000
MP79837-S2 - 1	03 Jun 2014 13:09:14	SMPL	ug/l	0.3233	907	1.000	1.000
JB67938-1 - 1	03 Jun 2014 13:10:33	SMPL	ug/l	0.0168	-130	1.000	1.000
JB67938-2 - 1	03 Jun 2014 13:11:53	SMPL	ug/l	0.0828	93	1.000	1.000
MP79837-PS1 - 1	03 Jun 2014 13:17:36	SMPL	ug/l	1.8547	6088	1.000	1.000
CRI - 1	03 Jun 2014 13:18:54	SMPL	ug/l	0.2181	551	1.000	1.000
JB67492-6 - 1	03 Jun 2014 13:24:21	SMPL	ug/l	0.0638	29	1.000	1.000
JB67492-7 - 1	03 Jun 2014 13:25:37	SMPL	ug/l	0.0763	71	1.000	1.000
CCV - 1	03 Jun 2014 13:26:54	CK STND	ug/l	101.1% 2.5271	8363	1.000	1.000
CCB - 1	03 Jun 2014 13:28:09	CK STND	ug/l	0.0367	-63	1.000	1.000
JB67492-8 - 1	03 Jun 2014 13:29:43	SMPL	ug/l	0.0768	73	1.000	1.000
JB67492-10 - 1	03 Jun 2014 13:30:59	SMPL	ug/l	0.0851	101	1.000	1.000
JB67527-2 - 1	03 Jun 2014 13:32:17	SMPL	ug/l	0.0683	44	1.000	1.000
JB67527-3 - 1	03 Jun 2014 13:33:34	SMPL	ug/l	0.0964	139	1.000	1.000
JB67527-4 - 1	03 Jun 2014 13:34:52	SMPL	ug/l	0.0727	59	1.000	1.000
JB67495-2A - 1	03 Jun 2014 13:36:10	SMPL	ug/l	0.0975	143	1.000	1.000
JB67495-3A - 1	03 Jun 2014 13:37:27	SMPL	ug/l	0.0733	61	1.000	1.000
JB67495-15A - 1	03 Jun 2014 13:38:44	SMPL	ug/l	0.2193	555	1.000	1.000
JB68093-1 - 1	03 Jun 2014 13:40:01	SMPL	ug/l	0.1330	263	1.000	1.000
MP79842-MB1 - 1	03 Jun 2014 13:41:20	SMPL	ug/l	0.0517	-12	1.000	1.000
CCV - 1	03 Jun 2014 13:42:38	CK STND	ug/l	100.6% 2.5155	8324	1.000	1.000
CCB - 1	03 Jun 2014 13:43:54	CK STND	ug/l	0.0068	-164	1.000	1.000
MP79842-LC1 - 1	03 Jun 2014 13:45:26	SMPL	ug/l	1.9215	6314	1.000	1.000
MP79842-S1 - 1	03 Jun 2014 13:46:43	SMPL	ug/l	2.1109	6955	1.000	1.000
MP79842-S2 - 1	03 Jun 2014 13:48:13	SMPL	ug/l	2.3122	7636	1.000	1.000
JB67845-1F - 1	03 Jun 2014 13:49:40	SMPL	ug/l	0.0393	-54	1.000	1.000
JB67845-2F - 1	03 Jun 2014 13:51:08	SMPL	ug/l	0.0641	30	1.000	1.000
JB68145-2 - 1	03 Jun 2014 13:52:26	SMPL	ug/l	0.0766	72	1.000	1.000
JB68145-3 - 1	03 Jun 2014 13:53:43	SMPL	ug/l	0.0763	71	1.000	1.000
JB67527-6 - 1	03 Jun 2014 13:55:01	SMPL	ug/l	2.4109	7970	1.000	1.000
JB67527-7 - 1	03 Jun 2014 13:56:18	SMPL	ug/l	0.9461	3014	1.000	1.000
JB67527-8 - 1	03 Jun 2014 13:57:47	SMPL	ug/l	0.9219	2932	1.000	1.000
CCV - 1	03 Jun 2014 13:59:10	CK STND	ug/l	96.7% 2.4174	7992	1.000	1.000

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Method: ACCUTEST Operator: Admin Date of Analysis: 03 Jun 2014 10:16:00

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	03 Jun 2014 14:00:33	CK STND	ug/l	-0.0050	-204	1.000	1.000
JB67527-9 - 1	03 Jun 2014 14:02:05	SMPL	ug/l	0.2376	617	1.000	1.000
JB67549-1 - 1	03 Jun 2014 14:03:22	SMPL	ug/l	0.2988	824	1.000	1.000
JB67549-2 - 1	03 Jun 2014 14:04:42	SMPL	ug/l	0.0825	92	1.000	1.000
JB67549-3 - 1	03 Jun 2014 14:06:01	SMPL	ug/l	0.0618	22	1.000	1.000
JB67556-1 - 1	03 Jun 2014 14:07:18	SMPL	ug/l	0.5829	1785	1.000	1.000
JB67556-2 - 1	03 Jun 2014 14:08:36	SMPL	ug/l	0.1386	282	1.000	1.000
JB67580-1 - 1	03 Jun 2014 14:09:58	SMPL	ug/l	0.0644	31	1.000	1.000
JB67580-2 - 1	03 Jun 2014 14:11:18	SMPL	ug/l	0.0804	85	1.000	1.000
JB67580-3 - 1	03 Jun 2014 14:12:36	SMPL	ug/l	0.0638	29	1.000	1.000
JB67580-4 - 1	03 Jun 2014 14:13:54	SMPL	ug/l	0.0597	15	1.000	1.000
CCV - 1	03 Jun 2014 14:15:11	CK STND	ug/l	97.4% 2.4346	8050	1.000	1.000
CCB - 1	03 Jun 2014 14:16:27	CK STND	ug/l	-0.0192	-252	1.000	1.000
JB67589-1A - 1	03 Jun 2014 14:18:02	SMPL	ug/l	0.1043	166	1.000	1.000
MP79843-MB1 - 1	03 Jun 2014 14:19:19	SMPL	ug/l	0.0225	-111	1.000	1.000
MP79843-LC1 - 1	03 Jun 2014 14:20:36	SMPL	ug/l	1.9356	6362	1.000	1.000
JB64500-29 - 1	03 Jun 2014 14:21:53	SMPL	ug/l	-0.0118	-227	1.000	1.000
JB64500-30 - 1	03 Jun 2014 14:23:24	SMPL	ug/l	0.0443	-37	1.000	1.000
JB67612-10 - 1	03 Jun 2014 14:24:41	SMPL	ug/l	0.0789	80	1.000	1.000
JB67587-46 - 1	03 Jun 2014 14:25:58	SMPL	ug/l	0.0248	-103	1.000	1.000
JB67595-1A - 1	03 Jun 2014 14:27:15	SMPL	ug/l	0.0502	-17	1.000	1.000
JB67516-8 - 1	03 Jun 2014 14:28:32	SMPL	ug/l	0.0547	-2	1.000	1.000
JB67523-57 - 1	03 Jun 2014 14:29:50	SMPL	ug/l	0.0426	-43	1.000	1.000
CCV - 1	03 Jun 2014 14:31:08	CK STND	ug/l	102.3% 2.5584	8469	1.000	1.000
CCB - 1	03 Jun 2014 14:32:23	CK STND	ug/l	-0.0071	-211	1.000	1.000
JB68098-2 - 1	03 Jun 2014 14:33:56	SMPL	ug/l	0.0544	-3	1.000	1.000
JB68102-1A - 1	03 Jun 2014 14:35:14	SMPL	ug/l	0.0449	-35	1.000	1.000
JB68093-3 - 1	03 Jun 2014 14:36:31	SMPL	ug/l	1.1474	3695	1.000	1.000
MP79853-MB1 - 1	03 Jun 2014 15:20:02	SMPL	ug/l	0.0437	-39	1.000	1.000
MP79853-B1 - 1	03 Jun 2014 15:21:20	SMPL	ug/l	1.9090	6272	1.000	1.000
MP79853-S1 - 1	03 Jun 2014 15:22:37	SMPL	ug/l	1.8227	5980	1.000	1.000
MP79853-S2 - 1	03 Jun 2014 15:24:09	SMPL	ug/l	1.8789	6170	1.000	1.000
MP79854-MB1 - 1	03 Jun 2014 15:25:44	SMPL	ug/l	-0.0145	-236	1.000	1.000
MP79854-B1 - 1	03 Jun 2014 15:27:19	SMPL	ug/l	1.9717	6484	1.000	1.000
CCV - 1	03 Jun 2014 15:28:37	CK STND	ug/l	97.9% 2.4470	8092	1.000	1.000
CCB - 1	03 Jun 2014 15:30:06	CK STND	ug/l	0.0050	-170	1.000	1.000
MP79854-S1 - 1	03 Jun 2014 15:31:38	SMPL	ug/l	2.3462	7751	1.000	1.000
MP79854-S2 - 1	03 Jun 2014 15:32:55	SMPL	ug/l	2.4068	7956	1.000	1.000
JB68089-1 - 1	03 Jun 2014 15:34:29	SMPL	ug/l	0.0133	-142	1.000	1.000
JB68089-2 - 1	03 Jun 2014 15:36:01	SMPL	ug/l	0.0724	58	1.000	1.000
JB68099-5 - 1	03 Jun 2014 15:37:18	SMPL	ug/l	0.0718	56	1.000	1.000
JB68170-1AB - 1	03 Jun 2014 15:38:35	SMPL	ug/l	0.3239	909	1.000	1.000
JB68093-3A - 1	03 Jun 2014 15:39:53	SMPL	ug/l	0.0452	-34	1.000	1.000
JB68170-1A - 1	03 Jun 2014 15:41:13	SMPL	ug/l	0.0736	62	1.000	1.000
JB68170-2A - 1	03 Jun 2014 15:42:31	SMPL	ug/l	0.0798	83	1.000	1.000
JB68170-3A - 1	03 Jun 2014 15:43:48	SMPL	ug/l	0.1224	227	1.000	1.000
CCV - 1	03 Jun 2014 15:45:06	CK STND	ug/l	100.2% 2.5052	8289	1.000	1.000
CCB - 1	03 Jun 2014 15:46:23	CK STND	ug/l	0.0086	-158	1.000	1.000
JB68170-4A - 1	03 Jun 2014 15:47:55	SMPL	ug/l	0.1436	299	1.000	1.000
JB68170-2AB - 1	03 Jun 2014 15:49:13	SMPL	ug/l	0.3257	915	1.000	1.000
JB68170-3AB - 1	03 Jun 2014 15:50:31	SMPL	ug/l	1.7175	5624	1.000	1.000
JB68170-4AB - 1	03 Jun 2014 15:51:52	SMPL	ug/l	0.2435	637	1.000	1.000
MP79837-MB1 - 1	03 Jun 2014 15:53:18	SMPL	ug/l	0.0299	-86	1.000	1.000
MP79837-B1 - 1	03 Jun 2014 15:54:39	SMPL	ug/l	1.9557	6430	1.000	1.000
MP79837-S1 - 1	03 Jun 2014 15:55:57	SMPL	ug/l	2.2421	7399	1.000	1.000
MP79837-S2 - 1	03 Jun 2014 15:57:28	SMPL	ug/l	2.2380	7385	1.000	1.000
JB67268-2A - 1	03 Jun 2014 15:58:54	SMPL	ug/l	0.0328	-76	1.000	1.000
MP79822-MB2 - 1	03 Jun 2014 16:00:21	SMPL	ug/l	0.0633	27	1.000	1.000
CCV - 1	03 Jun 2014 16:01:39	CK STND	ug/l	100.8% 2.5197	8338	1.000	1.000
CCB - 1	03 Jun 2014 16:02:55	CK STND	ug/l	0.0151	-136	1.000	1.000
MP79822-LC1 - 1	03 Jun 2014 16:04:27	SMPL	ug/l	1.9974	6571	1.000	1.000
CONF - 1	03 Jun 2014 16:12:20	SMPL	ug/l	0.0630	26	1.000	1.000
CONF - 1	03 Jun 2014 16:13:40	SMPL	ug/l	0.0281	-92	1.000	1.000
CCV - 1	03 Jun 2014 16:14:58	CK STND	ug/l	98.1% 2.4526	8111	1.000	1.000
CCB - 1	03 Jun 2014 16:16:14	CK STND	ug/l	0.0021	-180	1.000	1.000
MP79855-FMB1CONF - 1	03 Jun 2014 16:30:02	SMPL	ug/l	0.0677	42	1.000	1.000
MP79855-FLC1CONF - 1	03 Jun 2014 16:31:19	SMPL	ug/l	1.9625	6453	1.000	1.000
MP79838-S1 1 - 1	03 Jun 2014 16:33:16	SMPL	ug/l	2.3497	7763	1.000	1.000
MP79838-S2 - 1	03 Jun 2014 16:34:35	SMPL	ug/l	2.2321	7365	1.000	1.000

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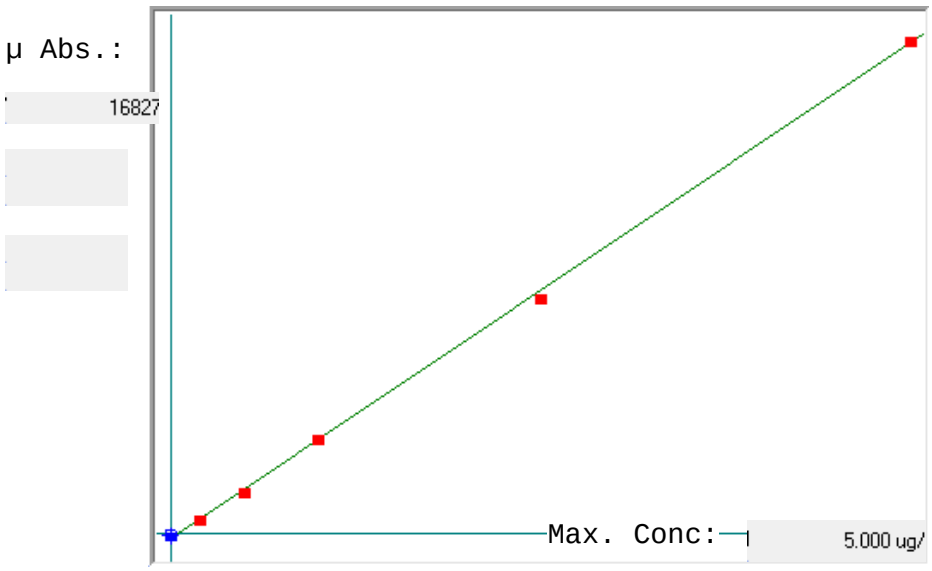
Method: ACCUTEST Operator: Admin Date of Analysis: 03 Jun 2014 10:16:00

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCV - 1	03 Jun 2014 16:36:04	CK STND	ug/l	97.4% 2.4343	8049	1.000	1.000
CCB - 1	03 Jun 2014 16:37:31	CK STND	ug/l	0.0130	-143	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 2.9556e-004

C= 5.5271e-002

Rho= 0.9997983

Accept=Accepted

Accepted Date=

06/03/14 12:12

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	0.031	0.031	-82	0.000	-82				
STDB	0.200	0.210	0.010	524	0.0 %	524				
STDC	0.500	0.472	-0.028	1409	0.0 %	1409				
STDD	1.000	1.023	0.023	3275	0.0 %	3275				
STDE	2.500	2.435	-0.065	8052	0.0 %	8052				
STDF	5.000	5.029	0.029	16827	0.0 %	16827				

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Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	05 Jun 2014 11:00:04	Std	ug/l	-	115	1.000	1.000
STDB - 1	05 Jun 2014 11:01:21	Std	ug/l	-	1913	1.000	1.000
STDC - 1	05 Jun 2014 11:02:39	Std	ug/l	-	4607	1.000	1.000
STDD - 1	05 Jun 2014 11:03:59	Std	ug/l	-	8997	1.000	1.000
STDE - 1	05 Jun 2014 11:05:20	Std	ug/l	-	23143	1.000	1.000
STDF - 1	05 Jun 2014 11:06:44	Std	ug/l	-	45631	1.000	1.000
ICV - 1	05 Jun 2014 11:09:58	SMPL	ug/l	2.9985	27444	1.000	1.000
ICB - 1	05 Jun 2014 11:11:14	SMPL	ug/l	-0.0340	-241	1.000	1.000
CCV - 1	05 Jun 2014 11:12:45	CK STND	ug/l	104.9% 2.6216	24003	1.000	1.000
CCB - 1	05 Jun 2014 11:14:02	CK STND	ug/l	-0.0280	-186	1.000	1.000
CRI - 1	05 Jun 2014 11:15:33	SMPL	ug/l	0.1930	1831	1.000	1.000
MP79882-MB1 - 1	05 Jun 2014 11:58:14	SMPL	ug/l	0.0042	108	1.000	1.000
MP79882-LC1 - 1	05 Jun 2014 11:59:30	SMPL	ug/l	4.8169	22057	1.000	2.000
MP79882-S1 - 1	05 Jun 2014 12:01:47	SMPL	ug/l	2.0345	18643	1.000	1.000
MP79882-S2 - 1	05 Jun 2014 12:03:03	SMPL	ug/l	1.9186	17585	1.000	1.000
JB68163-10 - 1	05 Jun 2014 12:04:30	SMPL	ug/l	-0.0329	-231	1.000	1.000
JB68163-1 - 1	05 Jun 2014 12:06:00	SMPL	ug/l	0.1916	1818	1.000	1.000
JB68163-4 - 1	05 Jun 2014 12:07:18	SMPL	ug/l	0.0248	296	1.000	1.000
JB68163-5 - 1	05 Jun 2014 12:08:38	SMPL	ug/l	0.6258	5782	1.000	1.000
CCV - 1	05 Jun 2014 12:09:57	CK STND	ug/l	102.8% 2.5700	23532	1.000	1.000
CCB - 1	05 Jun 2014 12:11:18	CK STND	ug/l	-0.0369	-268	1.000	1.000
JB68163-8 - 1	05 Jun 2014 12:12:49	SMPL	ug/l	0.0052	117	1.000	1.000
JB68078-1 - 1	05 Jun 2014 12:14:07	SMPL	ug/l	0.0218	268	1.000	1.000
JB68078-2 - 1	05 Jun 2014 12:15:24	SMPL	ug/l	0.0023	90	1.000	1.000
JB67744-1 - 1	05 Jun 2014 12:16:42	SMPL	ug/l	1.2649	11617	1.000	1.000
JB67744-2 - 1	05 Jun 2014 12:17:58	SMPL	ug/l	0.4162	3869	1.000	1.000
JB67744-3 - 1	05 Jun 2014 12:19:23	SMPL	ug/l	1.6043	14716	1.000	1.000
JB67744-4 - 1	05 Jun 2014 12:20:42	SMPL	ug/l	1.3265	12179	1.000	1.000
JB67744-5 - 1	05 Jun 2014 12:22:08	SMPL	ug/l	4.2968	3992	1.000	10.000
JB67744-8 - 1	05 Jun 2014 12:23:32	SMPL	ug/l	0.9160	8432	1.000	1.000
JB67744-9 - 1	05 Jun 2014 12:24:53	SMPL	ug/l	1.5183	13930	1.000	1.000
CCV - 1	05 Jun 2014 12:26:16	CK STND	ug/l	103.9% 2.5966	23775	1.000	1.000
CCB - 1	05 Jun 2014 12:27:42	CK STND	ug/l	-0.0342	-243	1.000	1.000
JB67744-10 - 1	05 Jun 2014 12:29:12	SMPL	ug/l	0.8393	7732	1.000	1.000
JB67744-12 - 1	05 Jun 2014 12:30:32	SMPL	ug/l	1.6114	14780	1.000	1.000
JB67744-13 - 1	05 Jun 2014 12:31:57	SMPL	ug/l	0.0461	490	1.000	1.000
JB67744-14 - 1	05 Jun 2014 12:33:26	SMPL	ug/l	0.3224	3013	1.000	1.000
JB67744-15 - 1	05 Jun 2014 12:34:45	SMPL	ug/l	0.6319	5838	1.000	1.000
JB68127-1A - 1	05 Jun 2014 12:36:05	SMPL	ug/l	0.3024	2830	1.000	1.000
MP79883-MB1 - 1	05 Jun 2014 12:37:26	SMPL	ug/l	-0.0126	-46	1.000	1.000
MP79883-LC1 - 1	05 Jun 2014 12:38:46	SMPL	ug/l	5.1260	23468	1.000	2.000
MP79883-S1 - 1	05 Jun 2014 12:40:03	SMPL	ug/l	2.5306	23172	1.000	1.000
MP79883-S2 - 1	05 Jun 2014 12:41:33	SMPL	ug/l	2.3757	21758	1.000	1.000
CCV - 1	05 Jun 2014 12:43:03	CK STND	ug/l	105.6% 2.6410	24180	1.000	1.000
CCB - 1	05 Jun 2014 12:44:34	CK STND	ug/l	-0.0328	-230	1.000	1.000
JB67815-5 - 1	05 Jun 2014 12:46:06	SMPL	ug/l	0.4653	4317	1.000	1.000
JB68135-1A - 1	05 Jun 2014 12:47:24	SMPL	ug/l	0.0120	179	1.000	1.000
JB68135-2A - 1	05 Jun 2014 12:48:45	SMPL	ug/l	0.0335	375	1.000	1.000
JB68135-3A - 1	05 Jun 2014 12:50:04	SMPL	ug/l	0.2805	2630	1.000	1.000
JB68138-1A - 1	05 Jun 2014 12:51:24	SMPL	ug/l	0.0607	623	1.000	1.000
JB68138-2A - 1	05 Jun 2014 12:52:45	SMPL	ug/l	0.1165	1133	1.000	1.000
JB68141-1A - 1	05 Jun 2014 12:54:03	SMPL	ug/l	0.1064	1041	1.000	1.000
JB68141-2A - 1	05 Jun 2014 12:55:23	SMPL	ug/l	0.0947	934	1.000	1.000
JB68143-1A - 1	05 Jun 2014 12:56:42	SMPL	ug/l	0.0953	939	1.000	1.000
CCV - 1	05 Jun 2014 12:58:01	CK STND	ug/l	107.4% 2.6861	24592	1.000	1.000
CCB - 1	05 Jun 2014 12:59:18	CK STND	ug/l	-0.0265	-173	1.000	1.000
JB68286-1 - 1	05 Jun 2014 13:00:49	SMPL	ug/l	0.2064	1954	1.000	1.000
JB68286-3 - 1	05 Jun 2014 13:02:06	SMPL	ug/l	0.0139	196	1.000	1.000
JB68330-2 - 1	05 Jun 2014 13:03:26	SMPL	ug/l	0.7750	423	1.000	20.000
JB68330-3 - 1	05 Jun 2014 13:04:44	SMPL	ug/l	0.1087	1062	1.000	1.000
JB68347-1R - 1	05 Jun 2014 13:06:03	SMPL	ug/l	4.0430	36979	1.000	1.000
JB68356-1 - 1	05 Jun 2014 13:07:22	SMPL	ug/l	138.2406	63172	1.000	20.000
JB68356-7 - 1	05 Jun 2014 13:08:59	SMPL	ug/l	158.4544	72399	1.000	20.000
JB68188-1A - 1	05 Jun 2014 13:10:38	SMPL	ug/l	-0.0252	-161	1.000	1.000
JB68188-3A - 1	05 Jun 2014 13:12:23	SMPL	ug/l	1.2984	11923	1.000	1.000
CCV - 1	05 Jun 2014 13:13:42	CK STND	ug/l	107.6% 2.6888	24616	1.000	1.000
CCB - 1	05 Jun 2014 13:15:08	CK STND	ug/l	-0.0370	-269	1.000	1.000
JB68217-1 - 1	05 Jun 2014 13:16:39	SMPL	ug/l	1.0178	9361	1.000	1.000
JB68217-2 - 1	05 Jun 2014 13:17:57	SMPL	ug/l	7.6804	70187	1.000	1.000

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Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB67744-5 - 1	05 Jun 2014 13:19:23	SMPL	ug/l	4.7966	43859	1.000	1.000
JB68330-2 - 1	05 Jun 2014 13:21:05	SMPL	ug/l	0.8978	8266	1.000	1.000
JB68356-1 - 1	05 Jun 2014 13:22:40	SMPL	ug/l	152.5593	13997	1.000	100.000
JB68356-7 - 1	05 Jun 2014 13:24:08	SMPL	ug/l	173.9845	15953	1.000	100.000
JB68217-2 - 1	05 Jun 2014 13:25:37	SMPL	ug/l	8.0656	14796	1.000	5.000
MP79884-MB1 - 1	05 Jun 2014 13:30:55	SMPL	ug/l	0.0035	101	1.000	1.000
MP79884-LC1 - 1	05 Jun 2014 13:32:11	SMPL	ug/l	4.4401	20337	1.000	2.000
CCV - 1	05 Jun 2014 13:33:29	CK STND	ug/l	104.2% 2.6041	23843	1.000	1.000
CCB - 1	05 Jun 2014 13:34:59	CK STND	ug/l	-0.0301	-206	1.000	1.000
MP79884-S1 - 1	05 Jun 2014 13:36:31	SMPL	ug/l	2.7572	25241	1.000	1.000
MP79884-S2 - 1	05 Jun 2014 13:37:49	SMPL	ug/l	2.5714	23545	1.000	1.000
JB67815-12 - 1	05 Jun 2014 13:39:23	SMPL	ug/l	0.4605	4273	1.000	1.000
JB67815-1 - 1	05 Jun 2014 13:40:55	SMPL	ug/l	0.5233	4847	1.000	1.000
JB67815-2 - 1	05 Jun 2014 13:42:16	SMPL	ug/l	0.4438	4121	1.000	1.000
JB67815-3 - 1	05 Jun 2014 13:43:38	SMPL	ug/l	0.7678	7079	1.000	1.000
JB67815-4 - 1	05 Jun 2014 13:44:59	SMPL	ug/l	0.1322	1276	1.000	1.000
JB67815-6 - 1	05 Jun 2014 13:46:21	SMPL	ug/l	0.5035	4666	1.000	1.000
JB67815-7 - 1	05 Jun 2014 13:47:41	SMPL	ug/l	0.1978	1875	1.000	1.000
CCV - 1	05 Jun 2014 13:49:02	CK STND	ug/l	109.1% 2.7276	24971	1.000	1.000
CCB - 1	05 Jun 2014 13:50:20	CK STND	ug/l	-0.0284	-190	1.000	1.000
JB67815-8 - 1	05 Jun 2014 13:51:52	SMPL	ug/l	5.8106	53117	1.000	1.000
JB67815-9 - 1	05 Jun 2014 13:53:10	SMPL	ug/l	0.0292	336	1.000	1.000
JB67815-11 - 1	05 Jun 2014 13:54:49	SMPL	ug/l	0.5932	5485	1.000	1.000
JB67815-13 - 1	05 Jun 2014 13:56:08	SMPL	ug/l	0.7253	6691	1.000	1.000
JB67815-14 - 1	05 Jun 2014 13:57:30	SMPL	ug/l	9.9485	90893	1.000	1.000
JB67815-15 - 1	05 Jun 2014 13:58:54	SMPL	ug/l	0.1080	1055	1.000	1.000
JB67819-4A - 1	05 Jun 2014 14:00:46	SMPL	ug/l	9.9230	90660	1.000	1.000
JB67819-7A - 1	05 Jun 2014 14:02:05	SMPL	ug/l	1.2639	11608	1.000	1.000
JB67819-9A - 1	05 Jun 2014 14:03:54	SMPL	ug/l	2.9233	26757	1.000	1.000
CCV - 1	05 Jun 2014 14:05:19	CK STND	ug/l	105.1% 2.6275	24057	1.000	1.000
CCB - 1	05 Jun 2014 14:06:52	CK STND	ug/l	-0.0419	-313	1.000	1.000
JB67819-15A - 1	05 Jun 2014 14:08:25	SMPL	ug/l	1.0532	9684	1.000	1.000
JB67819-17A - 1	05 Jun 2014 14:09:45	SMPL	ug/l	1.1974	11001	1.000	1.000
JB67819-21A - 1	05 Jun 2014 14:11:10	SMPL	ug/l	0.5299	4907	1.000	1.000
JB68270-6A - 1	05 Jun 2014 14:12:37	SMPL	ug/l	0.6617	6110	1.000	1.000
MP79885-MB1 - 1	05 Jun 2014 14:48:30	SMPL	ug/l	-0.0005	65	1.000	1.000
MP79885-LC1 - 1	05 Jun 2014 14:49:48	SMPL	ug/l	4.8070	22012	1.000	2.000
MP79885-S1 - 1	05 Jun 2014 14:52:07	SMPL	ug/l	8.1359	74345	1.000	1.000
MP79885-S2 - 1	05 Jun 2014 14:53:24	SMPL	ug/l	8.8731	81075	1.000	1.000
JB67991-4 - 1	05 Jun 2014 14:55:07	SMPL	ug/l	6.9809	63801	1.000	1.000
CCV - 1	05 Jun 2014 14:56:55	CK STND	ug/l	102.7% 2.5682	23515	1.000	1.000
CCB - 1	05 Jun 2014 14:58:38	CK STND	ug/l	-0.0555	-437	1.000	1.000
MP79885-S3 - 1	05 Jun 2014 15:00:10	SMPL	ug/l	2.6429	24197	1.000	1.000
MP79885-S4 - 1	05 Jun 2014 15:01:30	SMPL	ug/l	2.6768	24507	1.000	1.000
JB67991-17 - 1	05 Jun 2014 15:03:03	SMPL	ug/l	0.6397	5909	1.000	1.000
JB67991-1 - 1	05 Jun 2014 15:04:38	SMPL	ug/l	2.6880	24609	1.000	1.000
JB67991-2 - 1	05 Jun 2014 15:06:00	SMPL	ug/l	2.5194	23070	1.000	1.000
JB67991-5 - 1	05 Jun 2014 15:07:32	SMPL	ug/l	6.1680	56379	1.000	1.000
JB67991-7 - 1	05 Jun 2014 15:09:01	SMPL	ug/l	9.4781	86599	1.000	1.000
JB67991-8 - 1	05 Jun 2014 15:10:44		ug/l	HIGH	231542	1.000	1.000
JB67991-11 - 1	05 Jun 2014 15:12:11	SMPL	ug/l	3.5312	32307	1.000	1.000
CCV - 1	05 Jun 2014 15:14:16	CK STND	ug/l	104.0% 2.5989	23796	1.000	1.000
CCB - 1	05 Jun 2014 15:15:54	CK STND	ug/l	-0.0532	-416	1.000	1.000
JB67991-14 - 1	05 Jun 2014 15:17:27	SMPL	ug/l	0.6542	6042	1.000	1.000
JB67991-15 - 1	05 Jun 2014 15:18:47	SMPL	ug/l	0.9996	9195	1.000	1.000
JB67991-18 - 1	05 Jun 2014 15:20:09	SMPL	ug/l	0.7364	6792	1.000	1.000
JB67991-19 - 1	05 Jun 2014 15:21:35	SMPL	ug/l	0.5187	4805	1.000	1.000
JB67991-20 - 1	05 Jun 2014 15:22:57	SMPL	ug/l	0.4369	4058	1.000	1.000
JB67991-22 - 1	05 Jun 2014 15:24:20	SMPL	ug/l	0.0091	152	1.000	1.000
JB67915-1 - 1	05 Jun 2014 15:25:41	SMPL	ug/l	1.1393	10470	1.000	1.000
CONF - 1	05 Jun 2014 15:27:01	SMPL	ug/l	-0.0054	20	1.000	1.000
CONF - 1	05 Jun 2014 15:28:27	SMPL	ug/l	-0.0458	-349	1.000	1.000
CCV - 1	05 Jun 2014 15:29:46	CK STND	ug/l	105.7% 2.6424	24193	1.000	1.000
CCB - 1	05 Jun 2014 15:31:12	CK STND	ug/l	-0.0306	-210	1.000	1.000
JB67915-2 - 1	05 Jun 2014 15:36:30	SMPL	ug/l	0.0381	417	1.000	1.000
JB67915-3 - 1	05 Jun 2014 15:37:47	SMPL	ug/l	1.4295	13120	1.000	1.000
JB67915-4 - 1	05 Jun 2014 15:39:06	SMPL	ug/l	-0.0070	5	1.000	1.000
JB67915-5 - 1	05 Jun 2014 15:40:32	SMPL	ug/l	1.5293	14031	1.000	1.000
JB67915-6 - 1	05 Jun 2014 15:41:51	SMPL	ug/l	-0.0084	-7	1.000	1.000

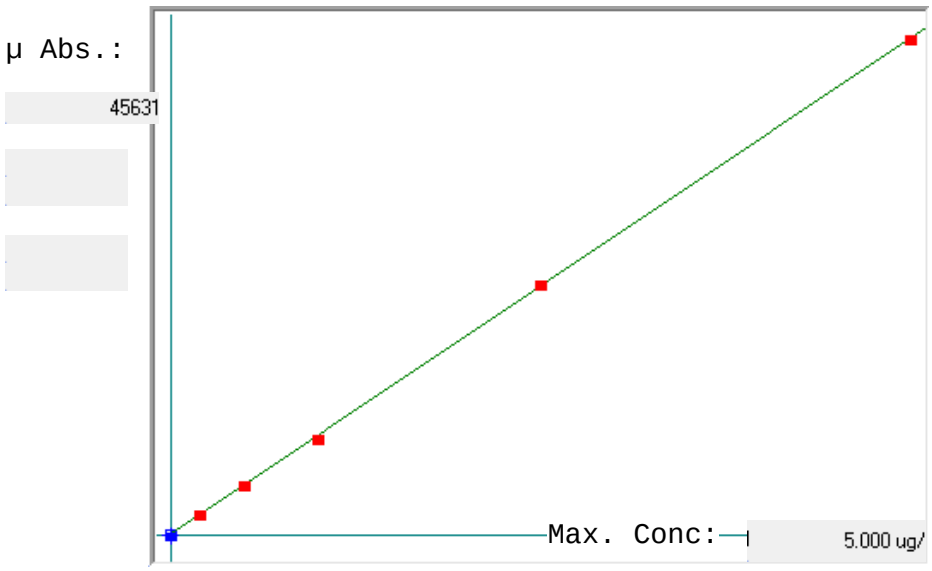
MA34169

Method: ACCUTEST Operator: Admin Date of Analysis: 05 Jun 2014 10:58:48

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB67815-8 - 1	05 Jun 2014 15:43:18	SMPL	ug/l	5.5810	25545	1.000	2.000
JB67815-14 - 1	05 Jun 2014 15:44:37	SMPL	ug/l	9.9934	18316	1.000	5.000
JB67819-4A - 1	05 Jun 2014 15:46:13	SMPL	ug/l	9.3778	17192	1.000	5.000
SAMPLECONF - 1	05 Jun 2014 15:47:43	SMPL	ug/l	1.5454	2891	1.000	5.000
CCV - 1	05 Jun 2014 15:49:12	CK STND	ug/l	106.2% 2.6543	24301	1.000	1.000
CCB - 1	05 Jun 2014 15:50:31	CK STND	ug/l	-0.0268	-175	1.000	1.000
MP79885-S2 - 1	05 Jun 2014 15:52:03	SMPL	ug/l	8.2622	15155	1.000	5.000
JB67991-4 - 1	05 Jun 2014 15:53:22	SMPL	ug/l	7.1904	13198	1.000	5.000
JB67991-5 - 1	05 Jun 2014 15:56:27	SMPL	ug/l	6.2669	28676	1.000	2.000
JB67991-7 - 1	05 Jun 2014 15:57:45	SMPL	ug/l	7.8005	14312	1.000	5.000
JB67991-8 - 1	05 Jun 2014 15:59:18	SMPL	ug/l	38.2670	17537	1.000	20.000
CONF - 1	05 Jun 2014 16:00:47	SMPL	ug/l	0.3099	635	1.000	5.000
MP79885-S1 - 1	05 Jun 2014 16:08:14	SMPL	ug/l	7.1915	13200	1.000	5.000
JB67991-7 - 1	05 Jun 2014 16:09:32	SMPL	ug/l	8.1280	14910	1.000	5.000
CCV - 1	05 Jun 2014 16:12:46	CK STND	ug/l	106.5% 2.6632	24383	1.000	1.000
CCB - 1	05 Jun 2014 16:14:01	CK STND	ug/l	-0.0249	-158	1.000	1.000
MP79885-S2 - 1	05 Jun 2014 16:23:05	SMPL	ug/l	6.8415	12561	1.000	5.000
JB67991-7 - 1	05 Jun 2014 16:24:23	SMPL	ug/l	7.9347	14557	1.000	5.000
CCV - 1	05 Jun 2014 16:34:54	CK STND	ug/l	106.0% 2.6489	24252	1.000	1.000
CCB - 1	05 Jun 2014 16:36:09	CK STND	ug/l	-0.0270	-177	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 1.0954e-004

C= -7.5835e-003

Rho= 0.9999630

Accept=Accepted

Accepted Date=

06/05/14 11:09

11.6.1 11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	0.005	0.005	115	0.000	115				
STDB	0.200	0.202	0.002	1913	0.0 %	1913				
STDC	0.500	0.497	-0.003	4607	0.0 %	4607				
STDD	1.000	0.978	-0.022	8997	0.0 %	8997				
STDE	2.500	2.527	0.027	23143	0.0 %	23143				
STDF	5.000	4.991	-0.009	45631	0.0 %	45631				

Inst QC: MA34150

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34150
Analyst: JD
Date: 6/3/14
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 7 Start Time: 9:30 Temp: 95c End time: 11:30 Temp: 95c Tubes: 1 10 40
Hot Block ID 8 Start Time: " Temp: " End time: " Temp: " Tubes: 40 60 75

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	V	0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML	V	0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML	V	0.003		0.003 ppm Hg std.
4	mp 79837 mb1	V						79837	
5	Lcs								
6	S1	V			2.0	V	0.003		
7	S2					V			JB67938-1 Dark
8	JB67938-1					V			
9	-2								Decolorize
10	mp 79838 mb1	V	30						
11	Lcs							79838	
12	S1	V			2.0				
	CCV		30		2.5 ML	V	0.03		JB68005-1
	CCB								0.03 ppm Hg std.
13	mp 79838 S2				2.0				
14	JB68005-1								JB68005-1
15	JB67744-6		30						Smelly & Decolor
16	-11								
17	mp 79839 mb1	V						79839	
18	Lcs				2.0	V	0.003		
19	S1	V				V			
20	S2					V			JB67537-3
21	JB67463-3								
22	JB64500-28								
	CCV				2.5 ML	V	0.03		0.03 ppm Hg std.
	CCB								
23	JB67475-1								
24	JB67477-1								
25	JB67492-1								
26	-3								
27	-4								
28	-5								
29	-6								
30	-7								
31	-8								
32	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

11.7.1 11

Form GN022A-02
Revision Date: 03/25/13

ANALYST: JD
QC REVIEWER:

DATE: 6/3/14
DATE:

ACCUTEST LABORATORIES
JB67744

ACCUTEST

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34150
Analyst: TW
Date: 6/3/14
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 1: Start Time: 9:30 Temp: 95°C End time: 1:30 Temp: 95°C Tubes: 41 to 75
Hot Block ID 2: Start Time: 13:00 Temp: " End time: 17:00 Temp: " Tubes: 76

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	JB67492-1	Y	30	30					
34	JB67527-2								
35	" -5								
36	" -6								
37	JB67495-2A								
38	" -4A								
39	" -1A								
40	JB68093-1								
41	MP79842-MB							79842	
42	" LCS								
	CCV				2.0 2.5 ML	✓ ✓	0.03 0.03		0.03 ppm Hg std.
	CCB								
43	MP79842 S1	Y			2.0	✓	0.03		JB67845-1F
44	" S2				"	✓	"		
45	JB67845-1F								
46	" -2F								
47	JB68145-3								
48	" -3								
49	JB67527-6								
50	" -7								
51	" -8								
52	" -9								
	CCV				2.5 ML	✓	0.03		0.03 ppm Hg std.
	CCB								
53	JB67549-1								
54	" -2								
55	" -3								
56	JB67556-1								
57	" -2								
58	JB67580-1								
59	" -2								
60	" -3								
61	" -4								
62	JB67581-1A								
	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: 6/3/14
DATE:

11.7.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34150
Analyst: TW
Date: 6/3/14
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___ Start Time: 13:00 Temp: 95°C End time: 15:00 Temp: 95°C Tubes: 76 to 107

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	mp179843-mB1	Y	30	30				79843	
64	LCS1				2.0	Y	0.03		
65	JB64500-2								
66	-3								
67	JB67612-1								
68	JB67587-4								
69	JB67595-1								
70	JB67516-8								
71	JB67523-7								
72	JB68098-2								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
73	JB68102-1A								
74	~~JB64500-8~~								
75	JB68093-3								Brown & muddy
76	mp179822-mB2	Y	30					79822	
77	LCS1				2.0	Y	0.03		
78	JB68081-1	Y							
79	-2								
80	JB68099-5								
81	JB68170-1AB							79854	
82	JB68093-3A							79822	
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
83	mp178821-mB2	Y							
84	LCS1				2.0	Y	0.03		
85	JB68170-1A							79853	
86	-2A								
87	-3A								
88	-4A								
89	-2AB							79854	
90	-3AB								
91	-4AB								
92	mp179837-PS1	Y			1 mL	Y	0.03		25ml of JB67938-1
	CCV		30		2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
93	mp179852-mB1	Y						79852	
94	MB1				2.0	Y	0.03		
95	S1					Y			
96	S2					Y			
97	JB67268-2A								
98	mp179853-mB1	Y						79853	
99	MB1				2.0	Y	0.03		
100	S1					Y			JB68170-1A
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02

ANALYST: _____

DATE: 6/3/14

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ACCUTEST

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34450
Analyst:
Date: 6/3/14
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: 13:00 Temp: 95 C End time: 15:00 Temp: 95 C Tubes: 76 to 107

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	mp79853-S2	Y	30	30	2.0	✓	0.03	79850	
34	mp79854mB1								
35	IN1				2.0				
36	S1						0.03		
37	S2								813 68170-7A13
38	mp79855-FMB1								
39	FLD								
40									
41									
42									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

11.7.1 11

Form GN022A-02
Revision Date: 03/25/13

ANALYST: _____
QC REVIEWER: _____

DATE: 6/3/14
DATE: _____

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA 34150
Analyst: RW
Date: 6/3/14
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: 9:30 Temp: 95°c End time: 11:30 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: 6/3/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

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ACCUTEST.

Reagent Information Log- Hg Waters

MA # MA 34150

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	5/16	Fisher 137588
Conc. Nitric Acid	5/16	Baker 50770
Sodium Chloride-Hydroxylamine Hydrochloride	11/10/14	HG-1390-557-HGHCL
Potassium Permanganate 5%	11/10/14	HG-1390-555-HGKM1
Potassium Persulfate	11/10/14	HG-1390-556-HGKS
Stannous Chloride	6/4/14	HG-1496-42-HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solution 30 ppb	6/4/14	HG-1496-39-HGA3
STD Hg standard solution 3 ppb	6/4/14	HG-1496-40-HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard solution 30 ppb	6/4/14	HG-1496-41-HGB3
Dilution Acid	11/10/14	HG-1389-390-HGD2(AQ)
Digestion Tubes Lot	N/A	HG-- -- --HGD2(AQ) 131222
pH Paper	N/A	Hydrion Papers 1 to 12, Lot #

Form: GN087A79-03
Rev. Date: 02/27/13

11.7.1 11

ACCUTEST.

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34169
Analyst:	DARSHAP
Date:	6/5/2014
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#: Hot Block: Start Time: 10:30 Temp: 95°295 End Time: 10:30 Temp: 95°295 Tubes 4 - 27
Hot:Block#: Hot:Block: Start Time: 11:30 Temp: 95°295 End Time: 11:30 T Temp: 95°295 Tubes 28 - 51

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	MP79882-MB1	0.6000					MP79882	
5	MP79882-LC1	0.1009						
6	MP79882-S1	0.6481		2.0ml	Y	0.1		JB68163-10
7	MP79882-S2	0.6267		2.0ml	Y	0.1		JB68163-10
8	JB68163-10	0.6201						
9	JB68163-1	0.6291						
10	JB68163-4	0.6545						
11	JB68163-5	0.6605						
12	JB68163-8	0.6416						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB68078-1	0.6096						
14	JB68078-2	0.6743						
15	JB67744-1	0.6539						
16	JB67744-2	0.6346						
17	JB67744-3	0.6497						
18	JB67744-4	0.6380						
19	JB67744-5	0.6073						
20	JB67744-8	0.6215						
21	JB67744-9	0.6576						
22	JB67744-10	0.6440						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB67744-12	0.6275						
24	JB67744-13	0.6706						
25	JB67744-14	0.6851						
26	JB67744-15	0.6533						
27	JB68127-1A	0.6851						
28	MP79883-MB1	0.6000					MP79883	
29	MP79883-LC1	0.1012						
30	MP79883-S1	0.6418		2.0ml	Y	0.1		JB67815-5
31	MP79883-S2	0.6377		2.0ml	Y	0.1		JB67815-5
32	JB67815-5	0.6288						
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: Darsh
QC REVIEWER: [signature]

DATE: 6/5/14
DATE: 6/8/14

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ACCUTEST.

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34169
Analyst:	DARSHAP
Date:	6/5/2014
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: 11:00 Temp: 95 ~~70~~ End Time: 11:30 Temp: 95 Tubes 28-51
Hot:Block#:7 Hot:Block: Start Time: ~~12:00~~ Temp: 95 End Time: ~~12:30~~ T Temp: 95 Tubes 52-101

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	JB68135-1A	0.6222	100					
34	JB68135-2A	0.6625						
35	JB68135-3A	0.6848						
36	JB68138-1A	0.6539						
37	JB68138-2A	0.6428						
38	JB68141-1A	0.6283						
39	JB68141-2A	0.6647						
40	JB68143-1A	0.6253						
41	JB68286-1	0.6841						
42	JB68286-3	0.6114						
	CCV			**2.5 ml**	**Y**	**0.1**		
	CCB							
43	JB68330-2	0.6098						
44	JB68330-3	0.6121						
45	JB68347-1R	0.6507						
46	JB68356-1	0.6503						
47	JB68356-7	0.6215						
48	JB68188-1A	0.6525						
49	JB68188-3A	0.6228						
50	JB68217-1	0.6905						
51	JB68217-2	0.6547						
52	MP79884-MB1	0.6000					MP79884	
	CCV			**2.5 ml**	**Y**	**0.1**		
	CCB							
53	MP79884-LC1	0.1004						
54	MP79884-S1	0.6599		**2.0ml**	**Y**	**0.1**		JB67815-12
55	MP79884-S2	0.6131		**2.0ml**	**Y**	**0.1**		JB67815-12
56	JB67815-12	0.6387						
57	JB67815-1	0.6213						
58	JB67815-2	0.6122						
59	JB67815-3	0.6281						
60	JB67815-4	0.6743						
61	JB67815-6	0.6224						
62	JB67815-7	0.6154						
	CCV			**2.5 ml**	**Y**	**0.1**		
	CCB							
63	JB67815-8	0.6250						
64	JB67815-9	0.6724						
65	JB67815-11	0.6313						
66	JB67815-13	0.6259						

Form: GN-022F
Revision Date:06/09/08

ANALYST: [signature] **DATE:** 6/5/14
QC REVIEWER: _____ **DATE:** _____

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ACCUTEST.

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34169
Analyst:	DARSHAP
Date:	6/5/2014
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#: 2 Hot Block: Start Time: 12:00 Temp: 95°295 End Time: 12:30 Temp: 95°295 Tubes 52-101
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
67	JB67815-14	0.6333	100					
68	JB67815-15	0.6348						
69	JB67819-4A	0.6219						
70	JB67819-7A	0.6370						
71	JB67819-9A	0.6868						
72	JB67819-15A	0.6348						
	CCV			2.5 ml	Y	0.1		
	CCB							
73	JB67819-17A	0.6189						
74	JB67819-21A	0.6492						
75	JB68270-6A	0.6737						
76	MP79885-MB1	0.6000					MP79885	
77	MP79885-LC1	0.1005						
78	MP79885-S1	0.6134		2.0ml	Y	0.1		JB67991-4
79	MP79885-S2	0.6059		2.0ml	Y	0.1		JB67991-4
80	JB67991-4	0.6162						
81	MP79885-S3	0.6197		2.0ml	Y	0.1		JB67991-17
82	MP79885-S4	0.6191		2.0ml	Y	0.1		JB67991-17
	CCV			2.5 ml		0.1		
	CCB							
83	JB67991-17	0.6222						
84	JB67991-1	0.6791						
85	JB67991-2	0.6794						
86	JB67991-5	0.6091						
87	JB67991-7	0.6551						
88	JB67991-8	0.6509						
89	JB67991-11	0.6488						
90	JB67991-14	0.6148						
91	JB67991-15	0.6632						
92	JB67991-18	0.6178						
	CCV			2.5 ml		0.1		
	CCB							
93	JB67991-19	0.6390						
94	JB67991-20	0.6714						
95	JB67991-22	0.6083						
96	JB67915-1	0.6112						
97	JB67915-2	0.6739						
98	JB67915-3	0.6502						
99	JB67915-4	0.6510						
100	JB67915-5	0.6394						
101	JB67915-6	0.6573						
102								
	CCV			2.5 ml		0.1		
	CCB							
103								
104								
105								
106								
107	Form: GN-022F			ANALYST:			DATE:	6/5/14
108	Revision Date:06/09/08			QC REVIEWER:			DATE:	

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ACCUTEST.

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

MA Batch #:	MA34169
Analyst:	DARSHAP
Date:	6/5/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Type of Digestion: Hot Block#: 7 Hot:Block: Start Time: 10:00 Temp: 95°295 End Time: 10:30 T Temp: 95°295 Tubes
Hot Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: 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: _____ **Date:** 6/5/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

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ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34169

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher · 141489
Conc. Nitric Acid	6/16	Baker · 00000 74185
Sodium Chloride-Hydroxylamine Hydrochloride	12/4/14	HG-1492-47 --HGHCL
Potassium Permanganate	12/4/14	HG-1492-45 --HGKM2
Stannous Chloride	6/6/14	HG-1492-52 --HGS
STD Hg standard solution 1000 ppm	1/31/16	Ultra · J0121 1
STD Hg standard solution 100 ppb	6/6/14	HG-1492-49 --HGA1
STD Hg standard solution 10 ppb	6/6/14	HG-1492-50 --HGA2
ICV Hg standard solution 1000 ppm	2/1/15	Fn. Org. Venture · P2-Hg02105
ICV Hg standard solution 50 ppb	6/6/14	HG-1492-51 --HGB1
Solid Lab control	4/14/16	D0-82-540-ERA
Aqua Regia	6/6/14	HG-1492-53 --HGKAQ
Dilution acid	12/4/14	HG-1492-48 --HGD1
Digestion Tubes Lot	N/A	Envi-Express · 1312222
Teflon Chips	N/A	Saint gobain · F218-2G02

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
MP79733	5/28/2014	17:00	5/28/2014	23:00		

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	2	405	95	0	95
1	End	2	405	95	0	95
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M54	1312222	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP79733-MB1		N	50	50	AB		
MP79733-B1		N	50	50	AB	ABC	
JB64500-31	3	Y	50	50	AB		
JB67587-46	7	Y	50	50	AB		
JB67595-1A	9	Y	50	50	AB		
JB67612-10	5	Y	50	50	AB		
JB67698-55	5	Y	50	50	AB		
JB67728-22A	9	Y	50	50	AB		
JB67733-34	7	Y	50	50	AB		
JB67744-11	3	Y	50	50	AB		
JB67744-6	3	Y	50	50	AB		
JB67815-10	5	Y	50	50	AB		
JB67818-21	12	Y	50	50	AB		
JB67819-1A	9	Y	50	50	AB		
JB67822-10	7	Y	50	50	AB		
MP79733-LC1		Y	50	50	AB		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	5
B	1:1 HNO3	10
C	30% H2O2	5
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C	ODD	1
D		
E		
F		
G		
H		

Comments: _____

Analyst MICHAELB Approved by _____ Approved on _____

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 79733
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/07/14	MP-013-651 -SP
Spiking Solution - Min. Spike	11/05/14	MP-013-649 -MIN1
Spiking Solution - Odd Spike	10/11/14	MP-013-641 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	05/2016	E-0000050970 J.T. Baker
Nitric Acid (1:1)	14	MP-013-20- -HNO3 (1:1)
Hydrochloric Acid	11/22/14	MP-013-20-187 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	11/22/14	MP-~~0~~151-113 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environmental Express
pH Paper	N/A	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
MP79752	5/29/2014	17:00	5/29/2014	23:00	JB67702-1A	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp
1	Start	8	405	B-41	90	0	90
1	End	8	405	NA	90	0	90
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
MP79752-MB1	N/A	100	1.01	A, B, C, D		
MP79752-B1	N/A	100	1.02	A, B, C, D	A & B	
MP79752-S1	1	100	1.00	A, B, C, D	A & B	
MP79752-S2	1	100	0.98	A, B, C, D	A & B	
MP79752-SD1	1	100	0.96	A, B, C, D		
JB67702-1A	1	100	0.96	A, B, C, D		
JB67744-1	1	100	1.66	A, B, C, D		
JB67744-10	1	100	1.65	A, B, C, D		
JB67744-12	1	100	1.25	A, B, C, D		
JB67744-13	1	100	3.68	A, B, C, D		
JB67744-14	1	100	1.78	A, B, C, D		
JB67744-15	1	100	1.78	A, B, C, D		
JB67744-2	1	100	1.69	A, B, C, D		
JB67744-3	1	100	1.68	A, B, C, D		
JB67744-4	1	100	1.36	A, B, C, D		
JB67744-5	1	100	1.49	A, B, C, D		
JB67744-8	1	100	1.70	A, B, C, D		
JB67744-9	1	100	2.46	A, B, C, D		
JB67854-1	1	100	1.00	A, B, C, D		
JB67854-2	1	100	0.98	A, B, C, D		
JB67854-3	1	100	0.98	A, B, C, D		
JB67871-1	1	100	0.97	A, B, C, D		
JB67898-1	1	100	0.97	A, B, C, D		
JB67898-2	1	100	0.96	A, B, C, D		
MP79752-LC1	N/A	100	0.54	A, B, C, D		

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	10
B	CONC HNO3	5
C	30% H2O2	5
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	2
B	MIN 2	2
C		
D		
E		
F		
G		
H		

Comments:

Analyst JULIANAF **Approved by** Wendyz **Approved on** 5/30/2014

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 79752
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-652 -SP
Spiking Solution - Min. Spike	11/13/14	MP-013-650 -MIN2
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	5/2016	#0000050770 JT Baker
Nitric Acid (1:1)	11/28/14	MP-013-20-188 -HNO3 (1:1)
Hydrochloric Acid	5/2016	#0000060411 JT Baker
Hydrogen Peroxide	5/2016	Lot #: 142358 Mfg. Fisher Scientific
Lab Control		Lot #: Mfg.
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environmental Express
Teflon Chips	N/A	Item # 0919120 Chemware 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: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB67744-1 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 272-PE-54

Wet Weight (Total)	34.84	g
Tare Weight	29.04	g
Dry Weight (Total)	32.53	g
Solids, Percent	60.2	%

Sample: JB67744-2 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 273-PE-51

Wet Weight (Total)	32.73	g
Tare Weight	26.19	g
Dry Weight (Total)	30.18	g
Solids, Percent	61	%

Sample: JB67744-3 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 274-DUP-2

Wet Weight (Total)	30.43	g
Tare Weight	25.13	g
Dry Weight (Total)	28.33	g
Solids, Percent	60.4	%

Sample: JB67744-4 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 275-PE-55

Wet Weight (Total)	30.34	g
Tare Weight	23.15	g
Dry Weight (Total)	28.35	g
Solids, Percent	72.3	%

Sample: JB67744-5 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 276-DEC-1

Wet Weight (Total)	24.98	g
Tare Weight	19.15	g
Dry Weight (Total)	23.07	g
Solids, Percent	67.2	%

Sample: JB67744-8 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 279-PE-47

Wet Weight (Total)	28.06	g
Tare Weight	22.3	g
Dry Weight (Total)	25.61	g
Solids, Percent	57.5	%

Percent Solids Raw Data Summary

Job Number: JB67744
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB67744-9 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 280-PE-48

Wet Weight (Total)	25.78	g
Tare Weight	20.64	g
Dry Weight (Total)	22.7	g
Solids, Percent	40.1	%

Sample: JB67744-10 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 285-PE-46

Wet Weight (Total)	33.95	g
Tare Weight	27.5	g
Dry Weight (Total)	31.34	g
Solids, Percent	59.5	%

Sample: JB67744-12 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 281-DEC-2

Wet Weight (Total)	31.81	g
Tare Weight	24.21	g
Dry Weight (Total)	30.11	g
Solids, Percent	77.6	%

Sample: JB67744-13 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 282-PE-45

Wet Weight (Total)	33.64	g
Tare Weight	26.69	g
Dry Weight (Total)	28.59	g
Solids, Percent	27.3	%

Sample: JB67744-14 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 283-PE-49

Wet Weight (Total)	28.4	g
Tare Weight	21.57	g
Dry Weight (Total)	25.42	g
Solids, Percent	56.4	%

Sample: JB67744-15 **Analyzed:** 27-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 284-PE-56

Wet Weight (Total)	30.89	g
Tare Weight	25.11	g
Dry Weight (Total)	28.34	g
Solids, Percent	55.9	%