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: JB68173

Sampling Dates: 05/29/14 - 05/30/14

Report to:

Langan Engineering & Environmental

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Total number of pages in report: **1564**

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

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10.9: Prep QC MP79887: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 1290

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Sample Summary

Langan Engineering & Environmental

Job No: JB68173

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
JB68173-1	05/29/14	11:30	CBM	05/30/14	SO	Soil	303-PE-88
JB68173-2	05/29/14	14:20	CBM	05/30/14	SO	Soil	304-PE-84
JB68173-3	05/30/14	08:15	CBM	05/30/14	SO	Soil	305-PE-85
JB68173-4	05/30/14	08:20	CBM	05/30/14	SO	Soil	306-PE-75
JB68173-5	05/30/14	08:40	CBM	05/30/14	SO	Soil	307-PE-76
JB68173-6	05/30/14	08:45	CBM	05/30/14	SO	Soil	308-PE-86
JB68173-7	05/30/14	08:50	CBM	05/30/14	SO	Soil	309-PE-77
JB68173-8	05/30/14	09:40	CBM	05/30/14	SO	Soil	310-PE-90
JB68173-9	05/30/14	09:45	CBM	05/30/14	SO	Soil	311-PE-91
JB68173-10	05/30/14	09:50	CBM	05/30/14	SO	Soil	312-PE-92
JB68173-11	05/30/14	09:55	CBM	05/30/14	SO	Soil	313-PE-93
JB68173-12	05/30/14	10:00	CBM	05/30/14	SO	Soil	314-PE-94
JB68173-13	05/30/14	10:45	CBM	05/30/14	SO	Soil	315-DEC-4

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

Sample Summary
(continued)

Langan Engineering & Environmental

Job No: JB68173

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
JB68173-14	05/30/14	11:15	CBM	05/30/14	SO	Soil	316-PE-43
JB68173-15	05/30/14	14:00	CBM	05/30/14	AQ	Field Blank Soil	317-FB-8
JB68173-16	05/30/14	14:00	CBM	05/30/14	AQ	Trip Blank Soil	318-TB-7

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB68173
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	6/16/2014 5:28:14 PM

On 05/30/2014, 14 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at temperatures of 5.7 C/ 6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB68173 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:** V1C5750

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67820-3MS, JB67820-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Recovery(s) for Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: SO **Batch ID:** V3V484

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB68023-10MS, JB68023-10MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** V3V485

- The data for SW846 8260C meets quality control requirements.
- JB68173-9: Sample analyzed outside the BFB time and reported as a confirmation run.

Matrix: SO **Batch ID:** V3V486

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68173-10MS, JB68173-14DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Acetone, Methylene chloride, Toluene are outside control limits for sample JB68173-14DUP. High RPD due to possible sample analyzed from different vials.

Matrix: SO **Batch ID:** V3V487

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68467-1MS, JB68467-1MSD were used as the QC samples indicated.
- JB68173-9: Sample prepared from intact soil jar and reported per client's request.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75302

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68170-6MS, JB68170-6MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP75285

- All samples were extracted within the recommended method holding time.
- Sample(s) JB68173-1MS, JB68173-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP79830

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68110-2MS, JB68110-2MSD, JB68110-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Chromium, Copper, Nickel, Silver are outside control limits for sample MP79830-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP79830-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP79830-SD1 for Aluminum: Serial dilution indicates possible matrix interference.
- MP79830-SD1 for Potassium: Serial dilution indicates possible matrix interference.

Matrix: SO **Batch ID:** MP79887

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68264-9MS, JB68264-9MSD, JB68264-9SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cadmium, Arsenic, Beryllium, Selenium, Silver, Thallium are outside control limits for sample MP79887-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP79887-MB1 for Chromium: All reported results <RL or >10x MB value.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP79896

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

Metals By Method SW846 7471B

Matrix:	SO	Batch ID:	MP80005

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68173-1MS, JB68173-1MSD were used as the QC samples for metals.

Matrix:	SO	Batch ID:	MP80030

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68314-25MS, JB68314-25MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix:	SO	Batch ID:	GN5785

- 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: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68173-1	**303-PE-88**					
Acetone		0.0260	0.0095	0.0043	mg/kg	SW846 8260C
Methylcyclohexane		0.00057 J	0.0047	0.00016	mg/kg	SW846 8260C
Methylene chloride		0.0039 J	0.0047	0.0016	mg/kg	SW846 8260C
Aluminum		7080	59	1.6	mg/kg	SW846 6010C
Arsenic		2.9	2.4	0.34	mg/kg	SW846 6010C
Barium		46.5	24	0.094	mg/kg	SW846 6010C
Beryllium		0.46	0.24	0.024	mg/kg	SW846 6010C
Cadmium		0.13 B	0.59	0.059	mg/kg	SW846 6010C
Calcium		1210	590	3.6	mg/kg	SW846 6010C
Chromium		15.4	1.2	0.082	mg/kg	SW846 6010C
Cobalt		4.8 B	5.9	0.071	mg/kg	SW846 6010C
Copper		8.5	2.9	0.18	mg/kg	SW846 6010C
Iron		12000	59	1.1	mg/kg	SW846 6010C
Lead		6.1	2.4	0.25	mg/kg	SW846 6010C
Magnesium		2510	590	4.0	mg/kg	SW846 6010C
Manganese		198	1.8	0.071	mg/kg	SW846 6010C
Nickel		21.4	4.7	0.12	mg/kg	SW846 6010C
Potassium		1230	1200	4.7	mg/kg	SW846 6010C
Selenium		0.65 B	2.4	0.39	mg/kg	SW846 6010C
Silver		0.78	0.59	0.16	mg/kg	SW846 6010C
Sodium		122 B	1200	2.2	mg/kg	SW846 6010C
Thallium		1.0 B	1.2	0.48	mg/kg	SW846 6010C
Vanadium		18.4	5.9	0.11	mg/kg	SW846 6010C
Zinc		27.3	2.4	0.45	mg/kg	SW846 6010C
JB68173-2	**304-PE-84**					
Acetone		0.0247	0.0091	0.0041	mg/kg	SW846 8260C
Carbon disulfide		0.00029 J	0.0045	0.00013	mg/kg	SW846 8260C
Isopropylbenzene		0.00082 J	0.0045	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.0025 J	0.0045	0.00015	mg/kg	SW846 8260C
Methylene chloride		0.0032 J	0.0045	0.0015	mg/kg	SW846 8260C
Aluminum		7290	62	1.6	mg/kg	SW846 6010C
Arsenic		3.1	2.5	0.36	mg/kg	SW846 6010C
Barium		55.0	25	0.099	mg/kg	SW846 6010C
Beryllium		0.59	0.25	0.025	mg/kg	SW846 6010C
Cadmium		0.39 B	0.62	0.062	mg/kg	SW846 6010C
Calcium		1540	620	3.7	mg/kg	SW846 6010C
Chromium		14.6	1.2	0.086	mg/kg	SW846 6010C
Cobalt		5.7 B	6.2	0.074	mg/kg	SW846 6010C
Copper		11.3	3.1	0.18	mg/kg	SW846 6010C
Iron		13000	62	1.2	mg/kg	SW846 6010C
Lead		9.1	2.5	0.26	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		2590	620	4.2	mg/kg	SW846 6010C
Manganese		154	1.8	0.074	mg/kg	SW846 6010C
Mercury		0.017 B	0.036	0.0082	mg/kg	SW846 7471B
Nickel		18.4	4.9	0.12	mg/kg	SW846 6010C
Potassium		1450	1200	4.9	mg/kg	SW846 6010C
Selenium		0.55 B	2.5	0.41	mg/kg	SW846 6010C
Silver		0.33 B	0.62	0.17	mg/kg	SW846 6010C
Sodium		142 B	1200	2.3	mg/kg	SW846 6010C
Thallium		1.1 B	1.2	0.50	mg/kg	SW846 6010C
Vanadium		21.4	6.2	0.11	mg/kg	SW846 6010C
Zinc		33.1	2.5	0.47	mg/kg	SW846 6010C
JB68173-3	**305-PE-85**					
Acetone		0.0219	0.0091	0.0042	mg/kg	SW846 8260C
Benzene		0.0015	0.00091	0.00012	mg/kg	SW846 8260C
Carbon disulfide		0.00097 J	0.0046	0.00013	mg/kg	SW846 8260C
Cyclohexane		0.00036 J	0.0046	0.00023	mg/kg	SW846 8260C
Ethylbenzene		0.0062	0.00091	0.00016	mg/kg	SW846 8260C
Isopropylbenzene		0.0014 J	0.0046	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.0011 J	0.0046	0.00015	mg/kg	SW846 8260C
Methylene chloride		0.0020 J	0.0046	0.0016	mg/kg	SW846 8260C
Toluene		0.0032	0.00091	0.00013	mg/kg	SW846 8260C
m,p-Xylene		0.0148	0.00091	0.00044	mg/kg	SW846 8260C
o-Xylene		0.0180	0.00091	0.00016	mg/kg	SW846 8260C
Xylene (total)		0.0327	0.00091	0.00016	mg/kg	SW846 8260C
Acenaphthene		0.103	0.036	0.010	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0164 J	0.071	0.0041	mg/kg	SW846 8270D
Carbazole		0.0690 J	0.071	0.016	mg/kg	SW846 8270D
Dibenzofuran		0.128	0.071	0.011	mg/kg	SW846 8270D
Fluorene		0.106	0.036	0.012	mg/kg	SW846 8270D
2-Methylnaphthalene		0.111	0.071	0.020	mg/kg	SW846 8270D
Naphthalene		0.423	0.036	0.0097	mg/kg	SW846 8270D
Phenanthrene		0.0581	0.036	0.016	mg/kg	SW846 8270D
Aluminum		7220	59	1.5	mg/kg	SW846 6010C
Arsenic		3.4	2.3	0.34	mg/kg	SW846 6010C
Barium		47.8	23	0.094	mg/kg	SW846 6010C
Beryllium		0.52	0.23	0.023	mg/kg	SW846 6010C
Cadmium		0.58 B	0.59	0.059	mg/kg	SW846 6010C
Calcium		3060	590	3.6	mg/kg	SW846 6010C
Chromium		17.3	1.2	0.082	mg/kg	SW846 6010C
Cobalt		6.3	5.9	0.070	mg/kg	SW846 6010C
Copper		14.3	2.9	0.18	mg/kg	SW846 6010C
Iron		13200	59	1.1	mg/kg	SW846 6010C
Lead		8.8	2.3	0.25	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		3870	590	4.0	mg/kg	SW846 6010C
Manganese		211	1.8	0.070	mg/kg	SW846 6010C
Nickel		28.3	4.7	0.12	mg/kg	SW846 6010C
Potassium		1580	1200	4.7	mg/kg	SW846 6010C
Selenium		0.39 B	2.3	0.39	mg/kg	SW846 6010C
Silver		0.40 B	0.59	0.16	mg/kg	SW846 6010C
Sodium		245 B	1200	2.2	mg/kg	SW846 6010C
Thallium		1.1 B	1.2	0.48	mg/kg	SW846 6010C
Vanadium		23.2	5.9	0.11	mg/kg	SW846 6010C
Zinc		31.7	2.3	0.45	mg/kg	SW846 6010C
JB68173-4	**306-PE-75**					
Acetone		0.0219	0.0082	0.0037	mg/kg	SW846 8260C
Benzene		0.00076 J	0.00082	0.00010	mg/kg	SW846 8260C
Ethylbenzene		0.0027	0.00082	0.00014	mg/kg	SW846 8260C
Isopropylbenzene		0.00062 J	0.0041	0.00012	mg/kg	SW846 8260C
Methylcyclohexane		0.00035 J	0.0041	0.00013	mg/kg	SW846 8260C
Toluene		0.0012	0.00082	0.00012	mg/kg	SW846 8260C
m,p-Xylene		0.0045	0.00082	0.00040	mg/kg	SW846 8260C
o-Xylene		0.0082	0.00082	0.00015	mg/kg	SW846 8260C
Xylene (total)		0.0127	0.00082	0.00015	mg/kg	SW846 8260C
Acenaphthene		0.200	0.035	0.010	mg/kg	SW846 8270D
Anthracene		0.0638	0.035	0.012	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0490	0.035	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0319 J	0.035	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0283 J	0.035	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0241 J	0.035	0.013	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0221 J	0.070	0.0040	mg/kg	SW846 8270D
Carbazole		0.0450 J	0.070	0.016	mg/kg	SW846 8270D
Chrysene		0.0437	0.035	0.012	mg/kg	SW846 8270D
Dibenzofuran		0.223	0.070	0.010	mg/kg	SW846 8270D
Fluoranthene		0.235	0.035	0.015	mg/kg	SW846 8270D
Fluorene		0.288	0.035	0.011	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0163 J	0.035	0.012	mg/kg	SW846 8270D
2-Methylnaphthalene		0.205	0.070	0.019	mg/kg	SW846 8270D
Naphthalene		0.453	0.035	0.0095	mg/kg	SW846 8270D
Phenanthrene		0.571	0.035	0.016	mg/kg	SW846 8270D
Pyrene		0.161	0.035	0.013	mg/kg	SW846 8270D
Aluminum		4960	56	1.5	mg/kg	SW846 6010C
Arsenic		2.1 B	2.2	0.32	mg/kg	SW846 6010C
Barium		36.8	22	0.089	mg/kg	SW846 6010C
Beryllium		0.34	0.22	0.022	mg/kg	SW846 6010C
Cadmium		0.32 B	0.56	0.056	mg/kg	SW846 6010C
Calcium		3150	560	3.4	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		11.9	1.1	0.078	mg/kg	SW846 6010C
Cobalt		4.1 B	5.6	0.067	mg/kg	SW846 6010C
Copper		9.8	2.8	0.17	mg/kg	SW846 6010C
Iron		9510	56	1.1	mg/kg	SW846 6010C
Lead		6.8	2.2	0.23	mg/kg	SW846 6010C
Magnesium		2920	560	3.8	mg/kg	SW846 6010C
Manganese		182	1.7	0.067	mg/kg	SW846 6010C
Mercury		0.012 B	0.034	0.0076	mg/kg	SW846 7471B
Nickel		19.4	4.4	0.11	mg/kg	SW846 6010C
Potassium		1080 B	1100	4.4	mg/kg	SW846 6010C
Silver		0.42 B	0.56	0.16	mg/kg	SW846 6010C
Sodium		148 B	1100	2.1	mg/kg	SW846 6010C
Vanadium		14.5	5.6	0.10	mg/kg	SW846 6010C
Zinc		31.4	2.2	0.42	mg/kg	SW846 6010C
JB68173-5	**307-PE-76**					
Acetone		0.0288	0.010	0.0047	mg/kg	SW846 8260C
Methylene chloride		0.0024 J	0.0051	0.0017	mg/kg	SW846 8260C
Fluorene		0.0213 J	0.036	0.012	mg/kg	SW846 8270D
Naphthalene		0.0148 J	0.036	0.0099	mg/kg	SW846 8270D
Phenanthrene		0.0329 J	0.036	0.017	mg/kg	SW846 8270D
Aluminum		8010	58	1.5	mg/kg	SW846 6010C
Arsenic		3.1	2.3	0.33	mg/kg	SW846 6010C
Barium		58.6	23	0.092	mg/kg	SW846 6010C
Beryllium		0.51	0.23	0.023	mg/kg	SW846 6010C
Cadmium		0.37 B	0.58	0.058	mg/kg	SW846 6010C
Calcium		914	580	3.5	mg/kg	SW846 6010C
Chromium		13.7	1.2	0.081	mg/kg	SW846 6010C
Cobalt		4.6 B	5.8	0.069	mg/kg	SW846 6010C
Copper		11.6	2.9	0.17	mg/kg	SW846 6010C
Iron		10400	58	1.1	mg/kg	SW846 6010C
Lead		15.0	2.3	0.24	mg/kg	SW846 6010C
Magnesium		2090	580	3.9	mg/kg	SW846 6010C
Manganese		104	1.7	0.069	mg/kg	SW846 6010C
Mercury		0.011 B	0.039	0.0088	mg/kg	SW846 7471B
Nickel		17.3	4.6	0.12	mg/kg	SW846 6010C
Potassium		1180 B	1200	4.6	mg/kg	SW846 6010C
Selenium		0.67 B	2.3	0.38	mg/kg	SW846 6010C
Silver		0.21 B	0.58	0.16	mg/kg	SW846 6010C
Sodium		119 B	1200	2.2	mg/kg	SW846 6010C
Vanadium		18.2	5.8	0.10	mg/kg	SW846 6010C
Zinc		30.0	2.3	0.44	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB68173-6	**308-PE-86**					
Acetone		0.0433	0.012	0.0054	mg/kg	SW846 8260C
Methylcyclohexane		0.0011 J	0.0059	0.00019	mg/kg	SW846 8260C
2-Methylnaphthalene		0.0251 J	0.078	0.022	mg/kg	SW846 8270D
Naphthalene		0.0197 J	0.039	0.011	mg/kg	SW846 8270D
Aluminum		7030	60	1.6	mg/kg	SW846 6010C
Arsenic		3.3	2.4	0.35	mg/kg	SW846 6010C
Barium		47.2	24	0.096	mg/kg	SW846 6010C
Beryllium		0.48	0.24	0.024	mg/kg	SW846 6010C
Cadmium		0.35 B	0.60	0.060	mg/kg	SW846 6010C
Calcium		912	600	3.6	mg/kg	SW846 6010C
Chromium		12.4	1.2	0.084	mg/kg	SW846 6010C
Cobalt		3.9 B	6.0	0.072	mg/kg	SW846 6010C
Copper		8.8	3.0	0.18	mg/kg	SW846 6010C
Iron		10800	60	1.1	mg/kg	SW846 6010C
Lead		7.9	2.4	0.25	mg/kg	SW846 6010C
Magnesium		1870	600	4.0	mg/kg	SW846 6010C
Manganese		80.7	1.8	0.072	mg/kg	SW846 6010C
Mercury		0.013 B	0.038	0.0086	mg/kg	SW846 7471B
Nickel		14.8	4.8	0.12	mg/kg	SW846 6010C
Potassium		1010 B	1200	4.8	mg/kg	SW846 6010C
Selenium		0.62 B	2.4	0.39	mg/kg	SW846 6010C
Silver		0.30 B	0.60	0.17	mg/kg	SW846 6010C
Sodium		109 B	1200	2.2	mg/kg	SW846 6010C
Vanadium		17.0	6.0	0.11	mg/kg	SW846 6010C
Zinc		32.2	2.4	0.45	mg/kg	SW846 6010C
JB68173-7	**309-PE-77**					
Acetone		0.0246	0.010	0.0046	mg/kg	SW846 8260C
Aluminum		9110	61	1.6	mg/kg	SW846 6010C
Arsenic		3.1	2.5	0.36	mg/kg	SW846 6010C
Barium		64.2	25	0.098	mg/kg	SW846 6010C
Beryllium		0.69	0.25	0.025	mg/kg	SW846 6010C
Cadmium		0.48 B	0.61	0.061	mg/kg	SW846 6010C
Calcium		2880	610	3.7	mg/kg	SW846 6010C
Chromium		20.0	1.2	0.086	mg/kg	SW846 6010C
Cobalt		7.7	6.1	0.074	mg/kg	SW846 6010C
Copper		15.6	3.1	0.18	mg/kg	SW846 6010C
Iron		16200	61	1.2	mg/kg	SW846 6010C
Lead		9.5	2.5	0.26	mg/kg	SW846 6010C
Magnesium		4660	610	4.2	mg/kg	SW846 6010C
Manganese		290	1.8	0.074	mg/kg	SW846 6010C
Nickel		30.1	4.9	0.12	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Potassium		2270	1200	4.9	mg/kg	SW846 6010C
Selenium		0.61 B	2.5	0.41	mg/kg	SW846 6010C
Silver		0.44 B	0.61	0.17	mg/kg	SW846 6010C
Sodium		218 B	1200	2.3	mg/kg	SW846 6010C
Thallium		0.65 B	1.2	0.50	mg/kg	SW846 6010C
Vanadium		26.5	6.1	0.11	mg/kg	SW846 6010C
Zinc		41.7	2.5	0.47	mg/kg	SW846 6010C
JB68173-8	**310-PE-90**					
Acetone		0.0401	0.011	0.0049	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0062 J	0.011	0.0047	mg/kg	SW846 8260C
Carbon disulfide		0.00059 J	0.0054	0.00015	mg/kg	SW846 8260C
Isopropylbenzene		0.0014 J	0.0054	0.00016	mg/kg	SW846 8260C
Methylcyclohexane		0.0015 J	0.0054	0.00018	mg/kg	SW846 8260C
Toluene		0.00016 J	0.0011	0.00015	mg/kg	SW846 8260C
Aluminum		7840	64	1.7	mg/kg	SW846 6010C
Arsenic		2.7	2.6	0.37	mg/kg	SW846 6010C
Barium		62.6	26	0.10	mg/kg	SW846 6010C
Beryllium		0.54	0.26	0.026	mg/kg	SW846 6010C
Cadmium		0.38 B	0.64	0.064	mg/kg	SW846 6010C
Calcium		2510	640	3.9	mg/kg	SW846 6010C
Chromium		22.7	1.3	0.090	mg/kg	SW846 6010C
Cobalt		8.0	6.4	0.077	mg/kg	SW846 6010C
Copper		14.9	3.2	0.19	mg/kg	SW846 6010C
Iron		14700	64	1.2	mg/kg	SW846 6010C
Lead		8.0	2.6	0.27	mg/kg	SW846 6010C
Magnesium		4090	640	4.3	mg/kg	SW846 6010C
Manganese		152	1.9	0.077	mg/kg	SW846 6010C
Nickel		35.9	5.1	0.13	mg/kg	SW846 6010C
Potassium		1730	1300	5.1	mg/kg	SW846 6010C
Selenium		0.83 B	2.6	0.42	mg/kg	SW846 6010C
Silver		0.58 B	0.64	0.18	mg/kg	SW846 6010C
Sodium		383 B	1300	2.4	mg/kg	SW846 6010C
Thallium		1.1 B	1.3	0.53	mg/kg	SW846 6010C
Vanadium		24.8	6.4	0.12	mg/kg	SW846 6010C
Zinc		35.7	2.6	0.49	mg/kg	SW846 6010C
JB68173-9	**311-PE-91**					
Acetone [a]		0.0357	0.012	0.0053	mg/kg	SW846 8260C
Benzene [a]		0.00092 J	0.0012	0.00015	mg/kg	SW846 8260C
Methylcyclohexane [a]		0.0011 J	0.0058	0.00019	mg/kg	SW846 8260C
Aluminum		7280	50	1.3	mg/kg	SW846 6010C
Arsenic		2.5	2.0	0.29	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		59.2	20	0.080	mg/kg	SW846 6010C
Beryllium		0.49	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.40 B	0.50	0.050	mg/kg	SW846 6010C
Calcium		2830	500	3.0	mg/kg	SW846 6010C
Chromium		23.1	1.0	0.070	mg/kg	SW846 6010C
Cobalt		6.6	5.0	0.060	mg/kg	SW846 6010C
Copper		13.7	2.5	0.15	mg/kg	SW846 6010C
Iron		12800	50	0.96	mg/kg	SW846 6010C
Lead		6.6	2.0	0.21	mg/kg	SW846 6010C
Magnesium		3850	500	3.4	mg/kg	SW846 6010C
Manganese		134	1.5	0.060	mg/kg	SW846 6010C
Nickel		29.5	4.0	0.10	mg/kg	SW846 6010C
Potassium		1740	1000	4.0	mg/kg	SW846 6010C
Selenium		0.59 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.36 B	0.50	0.14	mg/kg	SW846 6010C
Sodium		362 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.94 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		25.9	5.0	0.090	mg/kg	SW846 6010C
Zinc		31.3	2.0	0.38	mg/kg	SW846 6010C
JB68173-10	**312-PE-92**					
Acetone		0.0298	0.011	0.0049	mg/kg	SW846 8260C
Isopropylbenzene		0.0011 J	0.0054	0.00016	mg/kg	SW846 8260C
Methylcyclohexane		0.0011 J	0.0054	0.00018	mg/kg	SW846 8260C
Methylene chloride		0.0029 J	0.0054	0.0018	mg/kg	SW846 8260C
Aluminum		7400	64	1.7	mg/kg	SW846 6010C
Arsenic		2.5 B	2.6	0.37	mg/kg	SW846 6010C
Barium		58.3	26	0.10	mg/kg	SW846 6010C
Beryllium		0.50	0.26	0.026	mg/kg	SW846 6010C
Cadmium		0.40 B	0.64	0.064	mg/kg	SW846 6010C
Calcium		2880	640	3.9	mg/kg	SW846 6010C
Chromium		24.1	1.3	0.090	mg/kg	SW846 6010C
Cobalt		6.5	6.4	0.077	mg/kg	SW846 6010C
Copper		13.5	3.2	0.19	mg/kg	SW846 6010C
Iron		13300	64	1.2	mg/kg	SW846 6010C
Lead		6.7	2.6	0.27	mg/kg	SW846 6010C
Magnesium		4370	640	4.3	mg/kg	SW846 6010C
Manganese		136	1.9	0.077	mg/kg	SW846 6010C
Nickel		35.1	5.1	0.13	mg/kg	SW846 6010C
Potassium		1830	1300	5.1	mg/kg	SW846 6010C
Selenium		0.93 B	2.6	0.42	mg/kg	SW846 6010C
Sodium		386 B	1300	2.4	mg/kg	SW846 6010C
Thallium		1.2 B	1.3	0.53	mg/kg	SW846 6010C
Vanadium		25.1	6.4	0.12	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		30.7	2.6	0.49	mg/kg	SW846 6010C
JB68173-11	**313-PE-93**					
Acetone		0.0340	0.0092	0.0042	mg/kg	SW846 8260C
Benzene		0.0018	0.00092	0.00012	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0061 J	0.0092	0.0040	mg/kg	SW846 8260C
Carbon disulfide		0.00076 J	0.0046	0.00013	mg/kg	SW846 8260C
Cyclohexane		0.0258	0.0046	0.00024	mg/kg	SW846 8260C
Isopropylbenzene		0.0012 J	0.0046	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.156	0.0046	0.00015	mg/kg	SW846 8260C
Naphthalene		0.0322 J	0.041	0.011	mg/kg	SW846 8270D
Aluminum		7920	63	1.7	mg/kg	SW846 6010C
Arsenic		2.7	2.5	0.36	mg/kg	SW846 6010C
Barium		60.7	25	0.10	mg/kg	SW846 6010C
Beryllium		0.54	0.25	0.025	mg/kg	SW846 6010C
Cadmium		0.38 B	0.63	0.063	mg/kg	SW846 6010C
Calcium		2860	630	3.8	mg/kg	SW846 6010C
Chromium		21.8	1.3	0.088	mg/kg	SW846 6010C
Cobalt		6.9	6.3	0.075	mg/kg	SW846 6010C
Copper		14.1	3.1	0.19	mg/kg	SW846 6010C
Iron		13400	63	1.2	mg/kg	SW846 6010C
Lead		7.2	2.5	0.26	mg/kg	SW846 6010C
Magnesium		3900	630	4.3	mg/kg	SW846 6010C
Manganese		140	1.9	0.075	mg/kg	SW846 6010C
Nickel		28.1	5.0	0.13	mg/kg	SW846 6010C
Potassium		2030	1300	5.0	mg/kg	SW846 6010C
Selenium		0.57 B	2.5	0.42	mg/kg	SW846 6010C
Silver		0.30 B	0.63	0.18	mg/kg	SW846 6010C
Sodium		368 B	1300	2.4	mg/kg	SW846 6010C
Thallium		1.0 B	1.3	0.52	mg/kg	SW846 6010C
Vanadium		23.7	6.3	0.11	mg/kg	SW846 6010C
Zinc		31.3	2.5	0.48	mg/kg	SW846 6010C
JB68173-12	**314-PE-94**					
Acetone		0.0382	0.0089	0.0041	mg/kg	SW846 8260C
Carbon disulfide		0.00075 J	0.0045	0.00013	mg/kg	SW846 8260C
Cyclohexane		0.0013 J	0.0045	0.00023	mg/kg	SW846 8260C
Isopropylbenzene		0.0012 J	0.0045	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.0087	0.0045	0.00015	mg/kg	SW846 8260C
Naphthalene		0.0260 J	0.037	0.010	mg/kg	SW846 8270D
Aluminum		8910	51	1.3	mg/kg	SW846 6010C
Arsenic		2.9	2.0	0.30	mg/kg	SW846 6010C
Barium		74.4	20	0.082	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium		0.61	0.20	0.020	mg/kg	SW846 6010C
Cadmium		0.45 B	0.51	0.051	mg/kg	SW846 6010C
Calcium		3230	510	3.1	mg/kg	SW846 6010C
Chromium		27.1	1.0	0.072	mg/kg	SW846 6010C
Cobalt		8.2	5.1	0.061	mg/kg	SW846 6010C
Copper		16.7	2.6	0.15	mg/kg	SW846 6010C
Iron		15700	51	0.98	mg/kg	SW846 6010C
Lead		7.8	2.0	0.21	mg/kg	SW846 6010C
Magnesium		4620	510	3.5	mg/kg	SW846 6010C
Manganese		171	1.5	0.061	mg/kg	SW846 6010C
Nickel		35.0	4.1	0.10	mg/kg	SW846 6010C
Potassium		2220	1000	4.1	mg/kg	SW846 6010C
Selenium		0.86 B	2.0	0.34	mg/kg	SW846 6010C
Sodium		442 B	1000	1.9	mg/kg	SW846 6010C
Thallium		0.47 B	1.0	0.42	mg/kg	SW846 6010C
Vanadium		29.5	5.1	0.092	mg/kg	SW846 6010C
Zinc		36.3	2.0	0.39	mg/kg	SW846 6010C
JB68173-13	**315-DEC-4**					
Acetone		0.397	0.022	0.010	mg/kg	SW846 8260C
2-Butanone (MEK)		0.108	0.022	0.0096	mg/kg	SW846 8260C
Carbon disulfide		0.0054 J	0.011	0.00031	mg/kg	SW846 8260C
Chloroform		0.0022 J	0.011	0.00056	mg/kg	SW846 8260C
Cyclohexane		0.0056 J	0.011	0.00056	mg/kg	SW846 8260C
Isopropylbenzene		0.0017 J	0.011	0.00032	mg/kg	SW846 8260C
Methylcyclohexane		0.0758	0.011	0.00036	mg/kg	SW846 8260C
Toluene		0.0021 J	0.0022	0.00031	mg/kg	SW846 8260C
m,p-Xylene		0.0012 J	0.0022	0.0011	mg/kg	SW846 8260C
o-Xylene		0.0013 J	0.0022	0.00039	mg/kg	SW846 8260C
Xylene (total)		0.0024	0.0022	0.00039	mg/kg	SW846 8260C
3&4-Methylphenol		6.81	0.44	0.28	mg/kg	SW846 8270D
Phenol		0.553	0.11	0.057	mg/kg	SW846 8270D
Acenaphthene		0.271	0.054	0.016	mg/kg	SW846 8270D
Anthracene		0.564	0.054	0.019	mg/kg	SW846 8270D
Benzo(a)anthracene		0.525	0.054	0.018	mg/kg	SW846 8270D
Benzo(a)pyrene		0.463	0.054	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.535	0.054	0.018	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.242	0.054	0.020	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.246	0.054	0.020	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0478 J	0.11	0.0063	mg/kg	SW846 8270D
Benzaldehyde		0.500	0.27	0.013	mg/kg	SW846 8270D
Carbazole		0.161	0.11	0.025	mg/kg	SW846 8270D
Chrysene		0.590	0.054	0.018	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0903	0.054	0.019	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Dibenzofuran	0.283	0.11	0.016	mg/kg	SW846 8270D
Fluoranthene	1.30	0.054	0.024	mg/kg	SW846 8270D
Fluorene	0.393	0.054	0.018	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	0.251	0.054	0.019	mg/kg	SW846 8270D
2-Methylnaphthalene	0.276	0.11	0.030	mg/kg	SW846 8270D
Naphthalene	1.04	0.054	0.015	mg/kg	SW846 8270D
Phenanthrene	1.81	0.054	0.025	mg/kg	SW846 8270D
Pyrene	1.06	0.054	0.021	mg/kg	SW846 8270D
Aluminum	3900	50	1.3	mg/kg	SW846 6010C
Arsenic	6.2	2.0	0.29	mg/kg	SW846 6010C
Barium	240	20	0.081	mg/kg	SW846 6010C
Beryllium	0.26	0.20	0.020	mg/kg	SW846 6010C
Cadmium	1.3	0.50	0.050	mg/kg	SW846 6010C
Calcium	14500	500	3.0	mg/kg	SW846 6010C
Chromium	10	1.0	0.070	mg/kg	SW846 6010C
Cobalt	2.9 B	5.0	0.060	mg/kg	SW846 6010C
Copper	29.9	2.5	0.15	mg/kg	SW846 6010C
Iron	8480	50	0.97	mg/kg	SW846 6010C
Lead	672	2.0	0.21	mg/kg	SW846 6010C
Magnesium	850	500	3.4	mg/kg	SW846 6010C
Manganese	175	1.5	0.060	mg/kg	SW846 6010C
Mercury	0.72	0.057	0.013	mg/kg	SW846 7471B
Nickel	12.9	4.0	0.10	mg/kg	SW846 6010C
Potassium	675 B	1000	4.0	mg/kg	SW846 6010C
Selenium	2.4	2.0	0.33	mg/kg	SW846 6010C
Silver	0.43 B	0.50	0.14	mg/kg	SW846 6010C
Sodium	376 B	1000	1.9	mg/kg	SW846 6010C
Vanadium	10.7	5.0	0.091	mg/kg	SW846 6010C
Zinc	133	2.0	0.38	mg/kg	SW846 6010C
JB68173-14 316-PE-43					
Acetone	0.117	0.041	0.019	mg/kg	SW846 8260C
Carbon disulfide	0.0239	0.021	0.00058	mg/kg	SW846 8260C
Methylene chloride	0.0081 J	0.021	0.0070	mg/kg	SW846 8260C
Toluene	0.0010 J	0.0041	0.00059	mg/kg	SW846 8260C
Aluminum	16500	50	1.3	mg/kg	SW846 6010C
Antimony	0.29 B	2.0	0.27	mg/kg	SW846 6010C
Arsenic	5.2	2.0	0.29	mg/kg	SW846 6010C
Barium	39.3	20	0.080	mg/kg	SW846 6010C
Beryllium	0.96	0.20	0.020	mg/kg	SW846 6010C
Cadmium	0.39 B	0.50	0.050	mg/kg	SW846 6010C
Calcium	3350	500	3.0	mg/kg	SW846 6010C
Chromium	26.5	1.0	0.070	mg/kg	SW846 6010C
Cobalt	5.9	5.0	0.060	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB68173
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/29/14 thru 05/30/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		9.9	2.5	0.15	mg/kg	SW846 6010C
Iron		20100	50	0.97	mg/kg	SW846 6010C
Lead		11.2	2.0	0.21	mg/kg	SW846 6010C
Magnesium		5230	500	3.4	mg/kg	SW846 6010C
Manganese		178	1.5	0.060	mg/kg	SW846 6010C
Mercury		0.022 B	0.048	0.011	mg/kg	SW846 7471B
Nickel		19.9	4.0	0.10	mg/kg	SW846 6010C
Potassium		3770	1000	4.0	mg/kg	SW846 6010C
Selenium		1.7 B	2.0	0.33	mg/kg	SW846 6010C
Silver		0.40 B	0.50	0.14	mg/kg	SW846 6010C
Sodium		2330	1000	1.9	mg/kg	SW846 6010C
Thallium		0.86 B	1.0	0.41	mg/kg	SW846 6010C
Vanadium		55.8	5.0	0.090	mg/kg	SW846 6010C
Zinc		41.9	2.0	0.38	mg/kg	SW846 6010C
JB68173-15	**317-FB-8**					
bis(2-Ethylhexyl)phthalate		1.2 J	2.1	0.58	ug/l	SW846 8270D
Calcium		89.5 B	5000	19	ug/l	SW846 6010C
Manganese		0.50 B	15	0.48	ug/l	SW846 6010C
Sodium		549 B	10000	19	ug/l	SW846 6010C
Zinc		11.6 B	20	7.6	ug/l	SW846 6010C
JB68173-16	**318-TB-7**					

No hits reported in this sample.

(a) Sample prepared from intact soil jar and reported per client's request.

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	303-PE-88		
Lab Sample ID:	JB68173-1	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	85.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11426.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0260	0.0095	0.0043	mg/kg	
71-43-2	Benzene	ND	0.00095	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.00049	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0047	0.00027	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0047	0.00046	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0095	0.0042	mg/kg	
75-15-0	Carbon disulfide	ND	0.0047	0.00013	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0047	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0047	0.00019	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.00094	mg/kg	
67-66-3	Chloroform	ND	0.0047	0.00024	mg/kg	
74-87-3	Chloromethane	ND	0.0047	0.00033	mg/kg	
110-82-7	Cyclohexane	ND	0.0047	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0095	0.0013	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0047	0.00023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00095	0.00052	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0047	0.00032	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0047	0.00021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0047	0.00024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0047	0.00033	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0047	0.00030	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00095	0.00030	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0047	0.00027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0047	0.00020	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0047	0.00040	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0047	0.00041	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0047	0.00022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0047	0.00026	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0047	0.00041	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	0.0017	mg/kg	

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

Report of Analysis

Client Sample ID:	303-PE-88		
Lab Sample ID:	JB68173-1	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	85.1
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	0.0047	0.00014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0047	0.0016	mg/kg	
108-87-2	Methylcyclohexane	0.00057	0.0047	0.00016	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	0.00033	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0047	0.0013	mg/kg	
75-09-2	Methylene chloride	0.0039	0.0047	0.0016	mg/kg	J
100-42-5	Styrene	ND	0.0047	0.00022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0047	0.00032	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0047	0.00039	mg/kg	
108-88-3	Toluene	ND	0.00095	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.00020	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0047	0.00027	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0047	0.00078	mg/kg	
79-01-6	Trichloroethene	ND	0.0047	0.00033	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0047	0.00032	mg/kg	
	m,p-Xylene	ND	0.00095	0.00046	mg/kg	
95-47-6	o-Xylene	ND	0.00095	0.00017	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	0.00017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		59-130%
17060-07-0	1,2-Dichloroethane-D4	95%		65-123%
2037-26-5	Toluene-D8	104%		77-125%
460-00-4	4-Bromofluorobenzene	109%		71-132%

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	303-PE-88		
Lab Sample ID:	JB68173-1	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61866.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
Run #2							

	Initial Weight	Final Volume
Run #1	33.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.057	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.71	0.043	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.71	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.040	mg/kg	
	3&4-Methylphenol	ND	0.071	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.038	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.061	mg/kg	
108-95-2	Phenol	ND	0.071	0.037	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.041	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.033	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0062	mg/kg	
120-12-7	Anthracene	ND	0.036	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.0070	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.071	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.071	0.0041	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0082	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.071	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.011	mg/kg	
86-74-8	Carbazole	ND	0.071	0.016	mg/kg	

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

Report of Analysis

Client Sample ID:	303-PE-88		
Lab Sample ID:	JB68173-1	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.1
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	0.071	0.011	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.071	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.0090	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.071	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0079	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.071	0.031	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.016	mg/kg	
86-73-7	Fluorene	ND	0.036	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.071	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.0099	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.036	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.0099	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.012	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0095	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.071	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0097	mg/kg	
98-95-3	Nitrobenzene	ND	0.071	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.0087	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.021	mg/kg	
85-01-8	Phenanthrene	ND	0.036	0.016	mg/kg	
129-00-0	Pyrene	ND	0.036	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	88%		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:	303-PE-88		
Lab Sample ID:	JB68173-1	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.1
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	84%		15-110%
118-79-6	2,4,6-Tribromophenol	108%		20-123%
4165-60-0	Nitrobenzene-d5	96%		10-110%
321-60-8	2-Fluorobiphenyl	91%		17-110%
1718-51-0	Terphenyl-d14	103%		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: 303-PE-88
Lab Sample ID: JB68173-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/29/14
Date Received: 05/30/14
Percent Solids: 85.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7080	59	1.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Antimony	0.32 U	2.4	0.32	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Arsenic	2.9	2.4	0.34	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Barium	46.5	24	0.094	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Beryllium	0.46	0.24	0.024	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Cadmium	0.13 B	0.59	0.059	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C (2)	SW846 3050B (4)
Calcium	1210	590	3.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Chromium	15.4	1.2	0.082	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Cobalt	4.8 B	5.9	0.071	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Copper	8.5	2.9	0.18	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Iron	12000	59	1.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Lead	6.1	2.4	0.25	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Magnesium	2510	590	4.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Manganese	198	1.8	0.071	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Mercury	0.0085 U	0.038	0.0085	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B (3)	SW846 7471B (5)
Nickel	21.4	4.7	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Potassium	1230	1200	4.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Selenium	0.65 B	2.4	0.39	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Silver	0.78	0.59	0.16	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Sodium	122 B	1200	2.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Thallium	1.0 B	1.2	0.48	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Vanadium	18.4	5.9	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)
Zinc	27.3	2.4	0.45	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C (1)	SW846 3050B (4)

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	304-PE-84		
Lab Sample ID:	JB68173-2	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	84.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11427.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0247	0.0091	0.0041	mg/kg	
71-43-2	Benzene	ND	0.00091	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0045	0.00047	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0045	0.00026	mg/kg	
75-25-2	Bromoform	ND	0.0045	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0045	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0091	0.0040	mg/kg	
75-15-0	Carbon disulfide	0.00029	0.0045	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0045	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0045	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0045	0.00090	mg/kg	
67-66-3	Chloroform	ND	0.0045	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0045	0.00031	mg/kg	
110-82-7	Cyclohexane	ND	0.0045	0.00023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0091	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0045	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00091	0.00050	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0045	0.00031	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0045	0.00020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0045	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0045	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0045	0.00029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00091	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0045	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0045	0.00019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0045	0.00038	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0045	0.00040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0045	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0045	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.00091	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0045	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0045	0.0016	mg/kg	

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

Report of Analysis

Client Sample ID:	304-PE-84		
Lab Sample ID:	JB68173-2	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	84.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00082	0.0045	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0045	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.0025	0.0045	0.00015	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00091	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0045	0.0012	mg/kg	
75-09-2	Methylene chloride	0.0032	0.0045	0.0015	mg/kg	J
100-42-5	Styrene	ND	0.0045	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0045	0.00031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0045	0.00037	mg/kg	
108-88-3	Toluene	ND	0.00091	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0045	0.00019	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0045	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0045	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0045	0.00075	mg/kg	
79-01-6	Trichloroethene	ND	0.0045	0.00032	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0045	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0045	0.00031	mg/kg	
	m,p-Xylene	ND	0.00091	0.00044	mg/kg	
95-47-6	o-Xylene	ND	0.00091	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00091	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		59-130%
17060-07-0	1,2-Dichloroethane-D4	96%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	113%		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:	304-PE-84		
Lab Sample ID:	JB68173-2	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61867.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 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	0.078	0.039	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.039	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.063	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.78	0.047	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.78	0.047	mg/kg	
95-48-7	2-Methylphenol	ND	0.078	0.044	mg/kg	
	3&4-Methylphenol	ND	0.078	0.049	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.041	mg/kg	
100-02-7	4-Nitrophenol	ND	0.39	0.066	mg/kg	
87-86-5	Pentachlorophenol	ND	0.39	0.066	mg/kg	
108-95-2	Phenol	ND	0.078	0.041	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.040	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.045	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.037	mg/kg	
83-32-9	Acenaphthene	ND	0.039	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.039	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0068	mg/kg	
120-12-7	Anthracene	ND	0.039	0.014	mg/kg	
1912-24-9	Atrazine	ND	0.078	0.0077	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.039	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.039	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.039	0.013	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.039	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.039	0.015	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.078	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.078	0.023	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.078	0.0045	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0089	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.078	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.012	mg/kg	
86-74-8	Carbazole	ND	0.078	0.018	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:	304-PE-84		
Lab Sample ID:	JB68173-2	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.6
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	0.078	0.012	mg/kg	
218-01-9	Chrysene	ND	0.039	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.078	0.016	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.078	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.078	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.078	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.039	0.017	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.039	0.015	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.078	0.0099	mg/kg	
123-91-1	1,4-Dioxane	ND	0.039	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.039	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.078	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.078	0.0086	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.078	0.019	mg/kg	
84-66-2	Diethyl phthalate	ND	0.078	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.078	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.078	0.034	mg/kg	
206-44-0	Fluoranthene	ND	0.039	0.017	mg/kg	
86-73-7	Fluorene	ND	0.039	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.078	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.039	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.39	0.040	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.039	0.013	mg/kg	
78-59-1	Isophorone	ND	0.078	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.078	0.022	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.017	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.015	mg/kg	
91-20-3	Naphthalene	ND	0.039	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.078	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.078	0.0095	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.023	mg/kg	
85-01-8	Phenanthrene	ND	0.039	0.018	mg/kg	
129-00-0	Pyrene	ND	0.039	0.015	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	88%		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:	304-PE-84		
Lab Sample ID:	JB68173-2	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.6
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	85%		15-110%
118-79-6	2,4,6-Tribromophenol	118%		20-123%
4165-60-0	Nitrobenzene-d5	98%		10-110%
321-60-8	2-Fluorobiphenyl	97%		17-110%
1718-51-0	Terphenyl-d14	103%		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: 304-PE-84
Lab Sample ID: JB68173-2
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/29/14
Date Received: 05/30/14
Percent Solids: 84.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7290	62	1.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.33 U	2.5	0.33	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	3.1	2.5	0.36	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	55.0	25	0.099	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.59	0.25	0.025	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.39 B	0.62	0.062	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	1540	620	3.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	14.6	1.2	0.086	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	5.7 B	6.2	0.074	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	11.3	3.1	0.18	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	13000	62	1.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	9.1	2.5	0.26	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	2590	620	4.2	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	154	1.8	0.074	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.017 B	0.036	0.0082	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	18.4	4.9	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1450	1200	4.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.55 B	2.5	0.41	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.33 B	0.62	0.17	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	142 B	1200	2.3	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	1.1 B	1.2	0.50	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	21.4	6.2	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	33.1	2.5	0.47	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	305-PE-85		
Lab Sample ID:	JB68173-3	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	89.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11401.D	1	06/02/14	TDN	n/a	n/a	V3V484
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0219	0.0091	0.0042	mg/kg	
71-43-2	Benzene	0.0015	0.00091	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0046	0.00047	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0046	0.00026	mg/kg	
75-25-2	Bromoform	ND	0.0046	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0046	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0091	0.0040	mg/kg	
75-15-0	Carbon disulfide	0.00097	0.0046	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0046	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0046	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0046	0.00091	mg/kg	
67-66-3	Chloroform	ND	0.0046	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0046	0.00031	mg/kg	
110-82-7	Cyclohexane	0.00036	0.0046	0.00023	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0091	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0046	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00091	0.00050	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0046	0.00031	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0046	0.00020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0046	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0046	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0046	0.00029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00091	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0046	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0046	0.00019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0046	0.00039	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0046	0.00040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0046	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0046	0.00025	mg/kg	
100-41-4	Ethylbenzene	0.0062	0.00091	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0046	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0046	0.0016	mg/kg	

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

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

Report of Analysis

Client Sample ID:	305-PE-85		
Lab Sample ID:	JB68173-3	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	89.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0014	0.0046	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0046	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.0011	0.0046	0.00015	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00091	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0046	0.0012	mg/kg	
75-09-2	Methylene chloride	0.0020	0.0046	0.0016	mg/kg	J
100-42-5	Styrene	ND	0.0046	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0046	0.00031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0046	0.00037	mg/kg	
108-88-3	Toluene	0.0032	0.00091	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0046	0.00019	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0046	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0046	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0046	0.00075	mg/kg	
79-01-6	Trichloroethene	ND	0.0046	0.00032	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0046	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0046	0.00031	mg/kg	
	m,p-Xylene	0.0148	0.00091	0.00044	mg/kg	
95-47-6	o-Xylene	0.0180	0.00091	0.00016	mg/kg	
1330-20-7	Xylene (total)	0.0327	0.00091	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		59-130%
17060-07-0	1,2-Dichloroethane-D4	81%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	101%		71-132%

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	305-PE-85		
Lab Sample ID:	JB68173-3	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61868.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.057	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.71	0.043	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.71	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.041	mg/kg	
	3&4-Methylphenol	ND	0.071	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.038	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.061	mg/kg	
108-95-2	Phenol	ND	0.071	0.037	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.041	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.033	mg/kg	
83-32-9	Acenaphthene	0.103	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0063	mg/kg	
120-12-7	Anthracene	ND	0.036	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.0070	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.071	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	0.0164	0.071	0.0041	mg/kg	J
100-52-7	Benzaldehyde	ND	0.18	0.0082	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.071	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.011	mg/kg	
86-74-8	Carbazole	0.0690	0.071	0.016	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:	305-PE-85		
Lab Sample ID:	JB68173-3	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.071	0.011	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.071	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.0090	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	0.128	0.071	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0079	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.071	0.031	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.016	mg/kg	
86-73-7	Fluorene	0.106	0.036	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.071	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.0099	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.036	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.0099	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.012	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0096	mg/kg	
91-57-6	2-Methylnaphthalene	0.111	0.071	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	0.423	0.036	0.0097	mg/kg	
98-95-3	Nitrobenzene	ND	0.071	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.0087	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.021	mg/kg	
85-01-8	Phenanthrene	0.0581	0.036	0.016	mg/kg	
129-00-0	Pyrene	ND	0.036	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		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:	305-PE-85		
Lab Sample ID:	JB68173-3	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.7
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	75%		15-110%
118-79-6	2,4,6-Tribromophenol	105%		20-123%
4165-60-0	Nitrobenzene-d5	83%		10-110%
321-60-8	2-Fluorobiphenyl	84%		17-110%
1718-51-0	Terphenyl-d14	90%		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: 305-PE-85
Lab Sample ID: JB68173-3
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 89.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7220	59	1.5	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.32 U	2.3	0.32	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	3.4	2.3	0.34	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	47.8	23	0.094	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.52	0.23	0.023	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.58 B	0.59	0.059	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	3060	590	3.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	17.3	1.2	0.082	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	6.3	5.9	0.070	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	14.3	2.9	0.18	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	13200	59	1.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	8.8	2.3	0.25	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	3870	590	4.0	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	211	1.8	0.070	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0077 U	0.034	0.0077	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	28.3	4.7	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1580	1200	4.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.39 B	2.3	0.39	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.40 B	0.59	0.16	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	245 B	1200	2.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	1.1 B	1.2	0.48	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	23.2	5.9	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	31.7	2.3	0.45	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	306-PE-75		
Lab Sample ID:	JB68173-4	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	91.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11449.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0219	0.0082	0.0037	mg/kg	
71-43-2	Benzene	0.00076	0.00082	0.00010	mg/kg	J
74-97-5	Bromochloromethane	ND	0.0041	0.00043	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0041	0.00023	mg/kg	
75-25-2	Bromoform	ND	0.0041	0.00021	mg/kg	
74-83-9	Bromomethane	ND	0.0041	0.00039	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0082	0.0036	mg/kg	
75-15-0	Carbon disulfide	ND	0.0041	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0041	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0041	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0041	0.00082	mg/kg	
67-66-3	Chloroform	ND	0.0041	0.00021	mg/kg	
74-87-3	Chloromethane	ND	0.0041	0.00028	mg/kg	
110-82-7	Cyclohexane	ND	0.0041	0.00021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0082	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0041	0.00020	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00082	0.00045	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0041	0.00028	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0041	0.00018	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0041	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0041	0.00029	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0041	0.00026	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00082	0.00026	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0041	0.00024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0041	0.00017	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0041	0.00035	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0041	0.00036	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0041	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0041	0.00022	mg/kg	
100-41-4	Ethylbenzene	0.0027	0.00082	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0041	0.00036	mg/kg	
591-78-6	2-Hexanone	ND	0.0041	0.0015	mg/kg	

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

Report of Analysis

Client Sample ID:	306-PE-75		
Lab Sample ID:	JB68173-4	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	91.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00062	0.0041	0.00012	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0041	0.0014	mg/kg	
108-87-2	Methylcyclohexane	0.00035	0.0041	0.00013	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00082	0.00028	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0041	0.0011	mg/kg	
75-09-2	Methylene chloride	ND	0.0041	0.0014	mg/kg	
100-42-5	Styrene	ND	0.0041	0.00019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0041	0.00028	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0041	0.00034	mg/kg	
108-88-3	Toluene	0.0012	0.00082	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0041	0.00017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0041	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0041	0.00024	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0041	0.00067	mg/kg	
79-01-6	Trichloroethene	ND	0.0041	0.00029	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0041	0.00018	mg/kg	
75-01-4	Vinyl chloride	ND	0.0041	0.00028	mg/kg	
	m,p-Xylene	0.0045	0.00082	0.00040	mg/kg	
95-47-6	o-Xylene	0.0082	0.00082	0.00015	mg/kg	
1330-20-7	Xylene (total)	0.0127	0.00082	0.00015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		59-130%
17060-07-0	1,2-Dichloroethane-D4	83%		65-123%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	104%		71-132%

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

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

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Report of Analysis

Client Sample ID:	306-PE-75		
Lab Sample ID:	JB68173-4	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92412.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 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	0.070	0.035	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.035	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.056	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.059	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.70	0.043	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.70	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.070	0.040	mg/kg	
	3&4-Methylphenol	ND	0.070	0.044	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.037	mg/kg	
100-02-7	4-Nitrophenol	ND	0.35	0.059	mg/kg	
87-86-5	Pentachlorophenol	ND	0.35	0.060	mg/kg	
108-95-2	Phenol	ND	0.070	0.037	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.036	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.040	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.033	mg/kg	
83-32-9	Acenaphthene	0.200	0.035	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0061	mg/kg	
120-12-7	Anthracene	0.0638	0.035	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.070	0.0069	mg/kg	
56-55-3	Benzo(a)anthracene	0.0490	0.035	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	0.0319	0.035	0.011	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0283	0.035	0.012	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.0241	0.035	0.013	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.070	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.070	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	0.0221	0.070	0.0040	mg/kg	J
100-52-7	Benzaldehyde	ND	0.17	0.0080	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.070	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.011	mg/kg	
86-74-8	Carbazole	0.0450	0.070	0.016	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:	306-PE-75		
Lab Sample ID:	JB68173-4	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.0
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	0.070	0.011	mg/kg	
218-01-9	Chrysene	0.0437	0.035	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.070	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.070	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.070	0.010	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.070	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.070	0.0089	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.012	mg/kg	
132-64-9	Dibenzofuran	0.223	0.070	0.010	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.070	0.0077	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.070	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.070	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.070	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.070	0.031	mg/kg	
206-44-0	Fluoranthene	0.235	0.035	0.015	mg/kg	
86-73-7	Fluorene	0.288	0.035	0.011	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.070	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0097	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.036	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.0097	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0163	0.035	0.012	mg/kg	J
78-59-1	Isophorone	ND	0.070	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	0.205	0.070	0.019	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.015	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.014	mg/kg	
91-20-3	Naphthalene	0.453	0.035	0.0095	mg/kg	
98-95-3	Nitrobenzene	ND	0.070	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.070	0.0085	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.021	mg/kg	
85-01-8	Phenanthrene	0.571	0.035	0.016	mg/kg	
129-00-0	Pyrene	0.161	0.035	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		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:	306-PE-75		
Lab Sample ID:	JB68173-4	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	91.0
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	80%		15-110%
118-79-6	2,4,6-Tribromophenol	95%		20-123%
4165-60-0	Nitrobenzene-d5	85%		10-110%
321-60-8	2-Fluorobiphenyl	81%		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: 306-PE-75
Lab Sample ID: JB68173-4
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 91.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4960	56	1.5	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.30 U	2.2	0.30	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	2.1 B	2.2	0.32	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	36.8	22	0.089	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.34	0.22	0.022	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.32 B	0.56	0.056	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	3150	560	3.4	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	11.9	1.1	0.078	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	4.1 B	5.6	0.067	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	9.8	2.8	0.17	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	9510	56	1.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	6.8	2.2	0.23	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	2920	560	3.8	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	182	1.7	0.067	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.012 B	0.034	0.0076	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	19.4	4.4	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1080 B	1100	4.4	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.37 U	2.2	0.37	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.42 B	0.56	0.16	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	148 B	1100	2.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.46 U	1.1	0.46	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Vanadium	14.5	5.6	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	31.4	2.2	0.42	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	307-PE-76		
Lab Sample ID:	JB68173-5	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	84.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11448.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0288	0.010	0.0047	mg/kg	
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0051	0.00029	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00027	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00049	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0045	mg/kg	
75-15-0	Carbon disulfide	ND	0.0051	0.00014	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0051	0.00026	mg/kg	
108-90-7	Chlorobenzene	ND	0.0051	0.00020	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.0010	mg/kg	
67-66-3	Chloroform	ND	0.0051	0.00026	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.00035	mg/kg	
110-82-7	Cyclohexane	ND	0.0051	0.00026	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.010	0.0014	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0051	0.00025	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00056	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0051	0.00035	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0051	0.00022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0051	0.00026	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00036	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0051	0.00032	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00033	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0051	0.00029	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0051	0.00021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0051	0.00043	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0051	0.00045	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0051	0.00023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0051	0.00028	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0018	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:	307-PE-76		
Lab Sample ID:	JB68173-5	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	84.3
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	0.0051	0.00015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0017	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0051	0.00017	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00035	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0051	0.0013	mg/kg	
75-09-2	Methylene chloride	0.0024	0.0051	0.0017	mg/kg	J
100-42-5	Styrene	ND	0.0051	0.00024	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0051	0.00035	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0051	0.00042	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00015	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.00021	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.00019	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0051	0.00029	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0051	0.00084	mg/kg	
79-01-6	Trichloroethene	ND	0.0051	0.00036	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00023	mg/kg	
75-01-4	Vinyl chloride	ND	0.0051	0.00035	mg/kg	
	m,p-Xylene	ND	0.0010	0.00049	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		59-130%
17060-07-0	1,2-Dichloroethane-D4	86%		65-123%
2037-26-5	Toluene-D8	102%		77-125%
460-00-4	4-Bromofluorobenzene	103%		71-132%

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	307-PE-76		
Lab Sample ID:	JB68173-5	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92413.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593
Run #2							

	Initial Weight	Final Volume
Run #1	32.6 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	0.073	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.059	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.061	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.73	0.044	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.73	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.041	mg/kg	
	3&4-Methylphenol	ND	0.073	0.046	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.039	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.061	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.062	mg/kg	
108-95-2	Phenol	ND	0.073	0.038	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.042	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.034	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0064	mg/kg	
120-12-7	Anthracene	ND	0.036	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.073	0.0072	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.014	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0042	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0084	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.073	0.017	mg/kg	

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

Report of Analysis

Client Sample ID:	307-PE-76		
Lab Sample ID:	JB68173-5	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.3
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	0.073	0.011	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.073	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.0092	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0081	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.073	0.032	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.016	mg/kg	
86-73-7	Fluorene	0.0213	0.036	0.012	mg/kg	J
118-74-1	Hexachlorobenzene	ND	0.073	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.037	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.013	mg/kg	
78-59-1	Isophorone	ND	0.073	0.0098	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.073	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	0.0148	0.036	0.0099	mg/kg	J
98-95-3	Nitrobenzene	ND	0.073	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.0089	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	
85-01-8	Phenanthrene	0.0329	0.036	0.017	mg/kg	J
129-00-0	Pyrene	ND	0.036	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	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:	307-PE-76		
Lab Sample ID:	JB68173-5	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.3
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	64%		15-110%
118-79-6	2,4,6-Tribromophenol	79%		20-123%
4165-60-0	Nitrobenzene-d5	71%		10-110%
321-60-8	2-Fluorobiphenyl	65%		17-110%
1718-51-0	Terphenyl-d14	71%		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: 307-PE-76
Lab Sample ID: JB68173-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 84.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8010	58	1.5	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.31 U	2.3	0.31	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	3.1	2.3	0.33	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	58.6	23	0.092	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.51	0.23	0.023	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.37 B	0.58	0.058	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	914	580	3.5	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	13.7	1.2	0.081	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	4.6 B	5.8	0.069	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	11.6	2.9	0.17	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	10400	58	1.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	15.0	2.3	0.24	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	2090	580	3.9	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	104	1.7	0.069	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.011 B	0.039	0.0088	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	17.3	4.6	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1180 B	1200	4.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.67 B	2.3	0.38	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.21 B	0.58	0.16	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	119 B	1200	2.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.47 U	1.2	0.47	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Vanadium	18.2	5.8	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	30.0	2.3	0.44	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	308-PE-86		
Lab Sample ID:	JB68173-6	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	84.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11435.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0433	0.012	0.0054	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	0.00057	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	0.0052	mg/kg	
75-15-0	Carbon disulfide	ND	0.0059	0.00017	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0059	0.00030	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	0.00041	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	0.00029	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00065	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	0.00030	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0059	0.00042	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	0.00052	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:	308-PE-86		
Lab Sample ID:	JB68173-6	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	84.6
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	0.0011	0.0059	0.00019	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00041	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0059	0.0016	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	0.00097	mg/kg	
79-01-6	Trichloroethene	ND	0.0059	0.00041	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0059	0.00027	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	87%		59-130%
17060-07-0	1,2-Dichloroethane-D4	83%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	106%		71-132%

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	308-PE-86		
Lab Sample ID:	JB68173-6	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92414.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 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	0.078	0.039	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.039	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.063	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.78	0.047	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.78	0.047	mg/kg	
95-48-7	2-Methylphenol	ND	0.078	0.044	mg/kg	
	3&4-Methylphenol	ND	0.078	0.049	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.041	mg/kg	
100-02-7	4-Nitrophenol	ND	0.39	0.066	mg/kg	
87-86-5	Pentachlorophenol	ND	0.39	0.066	mg/kg	
108-95-2	Phenol	ND	0.078	0.041	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.040	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.045	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.037	mg/kg	
83-32-9	Acenaphthene	ND	0.039	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.039	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0068	mg/kg	
120-12-7	Anthracene	ND	0.039	0.014	mg/kg	
1912-24-9	Atrazine	ND	0.078	0.0077	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.039	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.039	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.039	0.013	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.039	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.039	0.015	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.078	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.078	0.023	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.078	0.0045	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0089	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.078	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.012	mg/kg	
86-74-8	Carbazole	ND	0.078	0.018	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:	308-PE-86		
Lab Sample ID:	JB68173-6	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.6
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	0.078	0.012	mg/kg	
218-01-9	Chrysene	ND	0.039	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.078	0.016	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.078	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.078	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.078	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.039	0.017	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.039	0.015	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.078	0.0099	mg/kg	
123-91-1	1,4-Dioxane	ND	0.039	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.039	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.078	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.078	0.0086	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.078	0.019	mg/kg	
84-66-2	Diethyl phthalate	ND	0.078	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.078	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.078	0.034	mg/kg	
206-44-0	Fluoranthene	ND	0.039	0.017	mg/kg	
86-73-7	Fluorene	ND	0.039	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.078	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.039	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.39	0.040	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.039	0.013	mg/kg	
78-59-1	Isophorone	ND	0.078	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	0.0251	0.078	0.022	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.19	0.017	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.015	mg/kg	
91-20-3	Naphthalene	0.0197	0.039	0.011	mg/kg	J
98-95-3	Nitrobenzene	ND	0.078	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.078	0.0095	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.023	mg/kg	
85-01-8	Phenanthrene	ND	0.039	0.018	mg/kg	
129-00-0	Pyrene	ND	0.039	0.015	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		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:	308-PE-86		
Lab Sample ID:	JB68173-6	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	84.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	77%		15-110%
118-79-6	2,4,6-Tribromophenol	99%		20-123%
4165-60-0	Nitrobenzene-d5	80%		10-110%
321-60-8	2-Fluorobiphenyl	75%		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: 308-PE-86
Lab Sample ID: JB68173-6
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 84.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7030	60	1.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.32 U	2.4	0.32	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	3.3	2.4	0.35	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	47.2	24	0.096	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.48	0.24	0.024	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.35 B	0.60	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	912	600	3.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	12.4	1.2	0.084	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	3.9 B	6.0	0.072	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	8.8	3.0	0.18	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	10800	60	1.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	7.9	2.4	0.25	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	1870	600	4.0	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	80.7	1.8	0.072	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.013 B	0.038	0.0086	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	14.8	4.8	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1010 B	1200	4.8	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.62 B	2.4	0.39	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.30 B	0.60	0.17	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	109 B	1200	2.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.49 U	1.2	0.49	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Vanadium	17.0	6.0	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	32.2	2.4	0.45	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	309-PE-77		
Lab Sample ID:	JB68173-7	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11436.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0246	0.010	0.0046	mg/kg	
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0050	0.00052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0050	0.00028	mg/kg	
75-25-2	Bromoform	ND	0.0050	0.00026	mg/kg	
74-83-9	Bromomethane	ND	0.0050	0.00048	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0044	mg/kg	
75-15-0	Carbon disulfide	ND	0.0050	0.00014	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0050	0.00025	mg/kg	
108-90-7	Chlorobenzene	ND	0.0050	0.00020	mg/kg	
75-00-3	Chloroethane	ND	0.0050	0.0010	mg/kg	
67-66-3	Chloroform	ND	0.0050	0.00025	mg/kg	
74-87-3	Chloromethane	ND	0.0050	0.00034	mg/kg	
110-82-7	Cyclohexane	ND	0.0050	0.00026	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.010	0.0013	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0050	0.00024	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00055	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0050	0.00034	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0050	0.00022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0050	0.00025	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0050	0.00035	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0050	0.00031	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00032	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0050	0.00029	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0050	0.00021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0050	0.00042	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0050	0.00044	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0050	0.00023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0050	0.00027	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
76-13-1	Freon 113	ND	0.0050	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0050	0.0018	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:	309-PE-77		
Lab Sample ID:	JB68173-7	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.5
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	0.0050	0.00015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0050	0.0017	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0050	0.00016	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00034	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0050	0.0013	mg/kg	
75-09-2	Methylene chloride	ND	0.0050	0.0017	mg/kg	
100-42-5	Styrene	ND	0.0050	0.00023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0050	0.00034	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0050	0.00041	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0050	0.00021	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0050	0.00018	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.00029	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0050	0.00082	mg/kg	
79-01-6	Trichloroethene	ND	0.0050	0.00035	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0050	0.00023	mg/kg	
75-01-4	Vinyl chloride	ND	0.0050	0.00034	mg/kg	
	m,p-Xylene	ND	0.0010	0.00048	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		59-130%
17060-07-0	1,2-Dichloroethane-D4	81%		65-123%
2037-26-5	Toluene-D8	104%		77-125%
460-00-4	4-Bromofluorobenzene	103%		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:	309-PE-77		
Lab Sample ID:	JB68173-7	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92415.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593
Run #2							

	Initial Weight	Final Volume
Run #1	34.6 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	0.072	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.058	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.72	0.044	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.72	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.041	mg/kg	
	3&4-Methylphenol	ND	0.072	0.046	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.038	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.061	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.061	mg/kg	
108-95-2	Phenol	ND	0.072	0.038	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.042	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.034	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0063	mg/kg	
120-12-7	Anthracene	ND	0.036	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.0071	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.072	0.0042	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0083	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.011	mg/kg	
86-74-8	Carbazole	ND	0.072	0.017	mg/kg	

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

Report of Analysis

Client Sample ID:	309-PE-77		
Lab Sample ID:	JB68173-7	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.5
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	0.072	0.011	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.072	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.0091	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.072	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.072	0.0080	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.072	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.072	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.072	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.072	0.032	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.016	mg/kg	
86-73-7	Fluorene	ND	0.036	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.072	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.037	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.012	mg/kg	
78-59-1	Isophorone	ND	0.072	0.0097	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.072	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0098	mg/kg	
98-95-3	Nitrobenzene	ND	0.072	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.072	0.0088	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.021	mg/kg	
85-01-8	Phenanthrene	ND	0.036	0.016	mg/kg	
129-00-0	Pyrene	ND	0.036	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		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:	309-PE-77		
Lab Sample ID:	JB68173-7	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.5
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	76%		15-110%
118-79-6	2,4,6-Tribromophenol	88%		20-123%
4165-60-0	Nitrobenzene-d5	83%		10-110%
321-60-8	2-Fluorobiphenyl	77%		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:	309-PE-77		
Lab Sample ID:	JB68173-7	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
		Percent Solids:	80.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9110	61	1.6	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.33 U	2.5	0.33	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	3.1	2.5	0.36	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	64.2	25	0.098	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.69	0.25	0.025	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.48 B	0.61	0.061	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2880	610	3.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	20.0	1.2	0.086	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	7.7	6.1	0.074	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	15.6	3.1	0.18	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	16200	61	1.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	9.5	2.5	0.26	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	4660	610	4.2	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	290	1.8	0.074	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0084 U	0.037	0.0084	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	30.1	4.9	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	2270	1200	4.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.61 B	2.5	0.41	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.44 B	0.61	0.17	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	218 B	1200	2.3	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.65 B	1.2	0.50	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Vanadium	26.5	6.1	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	41.7	2.5	0.47	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	310-PE-90		
Lab Sample ID:	JB68173-8	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11437.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0401	0.011	0.0049	mg/kg	
71-43-2	Benzene	ND	0.0011	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	0.00056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0054	0.00030	mg/kg	
75-25-2	Bromoform	ND	0.0054	0.00028	mg/kg	
74-83-9	Bromomethane	ND	0.0054	0.00052	mg/kg	
78-93-3	2-Butanone (MEK)	0.0062	0.011	0.0047	mg/kg	J
75-15-0	Carbon disulfide	0.00059	0.0054	0.00015	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0054	0.00027	mg/kg	
108-90-7	Chlorobenzene	ND	0.0054	0.00021	mg/kg	
75-00-3	Chloroethane	ND	0.0054	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0054	0.00027	mg/kg	
74-87-3	Chloromethane	ND	0.0054	0.00037	mg/kg	
110-82-7	Cyclohexane	ND	0.0054	0.00028	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.011	0.0014	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0054	0.00026	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00059	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0054	0.00036	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0054	0.00023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0054	0.00027	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0054	0.00038	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0054	0.00034	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00034	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0054	0.00031	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0054	0.00022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0054	0.00045	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0054	0.00047	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0054	0.00024	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0054	0.00029	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00019	mg/kg	
76-13-1	Freon 113	ND	0.0054	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	0.0019	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:	310-PE-90		
Lab Sample ID:	JB68173-8	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0014	0.0054	0.00016	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0054	0.0018	mg/kg	
108-87-2	Methylcyclohexane	0.0015	0.0054	0.00018	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00037	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0054	0.0014	mg/kg	
75-09-2	Methylene chloride	ND	0.0054	0.0018	mg/kg	
100-42-5	Styrene	ND	0.0054	0.00025	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	0.00037	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0054	0.00044	mg/kg	
108-88-3	Toluene	0.00016	0.0011	0.00015	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	0.00022	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	0.00019	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0054	0.00031	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0054	0.00088	mg/kg	
79-01-6	Trichloroethene	ND	0.0054	0.00037	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0054	0.00024	mg/kg	
75-01-4	Vinyl chloride	ND	0.0054	0.00037	mg/kg	
	m,p-Xylene	ND	0.0011	0.00052	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00019	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		59-130%
17060-07-0	1,2-Dichloroethane-D4	80%		65-123%
2037-26-5	Toluene-D8	103%		77-125%
460-00-4	4-Bromofluorobenzene	102%		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:	310-PE-90		
Lab Sample ID:	JB68173-8	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92416.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.078	0.039	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.039	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.063	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.066	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.78	0.048	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.78	0.048	mg/kg	
95-48-7	2-Methylphenol	ND	0.078	0.045	mg/kg	
	3&4-Methylphenol	ND	0.078	0.050	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.041	mg/kg	
100-02-7	4-Nitrophenol	ND	0.39	0.066	mg/kg	
87-86-5	Pentachlorophenol	ND	0.39	0.067	mg/kg	
108-95-2	Phenol	ND	0.078	0.041	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.040	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.045	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.037	mg/kg	
83-32-9	Acenaphthene	ND	0.039	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.039	0.013	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0069	mg/kg	
120-12-7	Anthracene	ND	0.039	0.014	mg/kg	
1912-24-9	Atrazine	ND	0.078	0.0077	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.039	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.039	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.039	0.013	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.039	0.015	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.039	0.015	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.078	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.078	0.023	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.078	0.0045	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.078	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.013	mg/kg	
86-74-8	Carbazole	ND	0.078	0.018	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:	310-PE-90		
Lab Sample ID:	JB68173-8	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.5
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	0.078	0.012	mg/kg	
218-01-9	Chrysene	ND	0.039	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.078	0.016	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.078	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.078	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.078	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.039	0.017	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.039	0.015	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.078	0.0099	mg/kg	
123-91-1	1,4-Dioxane	ND	0.039	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.039	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.078	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.078	0.0087	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.078	0.019	mg/kg	
84-66-2	Diethyl phthalate	ND	0.078	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.078	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.078	0.034	mg/kg	
206-44-0	Fluoranthene	ND	0.039	0.017	mg/kg	
86-73-7	Fluorene	ND	0.039	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.078	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.039	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.39	0.040	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.039	0.014	mg/kg	
78-59-1	Isophorone	ND	0.078	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.078	0.022	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.017	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.015	mg/kg	
91-20-3	Naphthalene	ND	0.039	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.078	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.078	0.0095	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.023	mg/kg	
85-01-8	Phenanthrene	ND	0.039	0.018	mg/kg	
129-00-0	Pyrene	ND	0.039	0.015	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	88%		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:	310-PE-90		
Lab Sample ID:	JB68173-8	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.5
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	87%		15-110%
118-79-6	2,4,6-Tribromophenol	107%		20-123%
4165-60-0	Nitrobenzene-d5	95%		10-110%
321-60-8	2-Fluorobiphenyl	86%		17-110%
1718-51-0	Terphenyl-d14	98%		30-124%

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

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

Report of Analysis

Client Sample ID: 310-PE-90
Lab Sample ID: JB68173-8
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 80.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7840	64	1.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.35 U	2.6	0.35	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	2.7	2.6	0.37	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	62.6	26	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.54	0.26	0.026	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.38 B	0.64	0.064	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2510	640	3.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	22.7	1.3	0.090	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	8.0	6.4	0.077	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	14.9	3.2	0.19	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	14700	64	1.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	8.0	2.6	0.27	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	4090	640	4.3	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	152	1.9	0.077	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0087 U	0.039	0.0087	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	35.9	5.1	0.13	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1730	1300	5.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.83 B	2.6	0.42	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.58 B	0.64	0.18	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	383 B	1300	2.4	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	1.1 B	1.3	0.53	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	24.8	6.4	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	35.7	2.6	0.49	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	311-PE-91		
Lab Sample ID:	JB68173-9	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	79.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3V11457.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2 [b]	3V11412.D	1	06/04/14	TDN	n/a	n/a	V3V485

	Initial Weight
Run #1	5.4 g
Run #2	6.3 g

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0357	0.012	0.0053	mg/kg	
71-43-2	Benzene	0.00092	0.0012	0.00015	mg/kg	J
74-97-5	Bromochloromethane	ND	0.0058	0.00060	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0058	0.00033	mg/kg	
75-25-2	Bromoform	ND	0.0058	0.00030	mg/kg	
74-83-9	Bromomethane	ND	0.0058	0.00056	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	0.0051	mg/kg	
75-15-0	Carbon disulfide	ND	0.0058	0.00016	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0058	0.00029	mg/kg	
108-90-7	Chlorobenzene	ND	0.0058	0.00023	mg/kg	
75-00-3	Chloroethane	ND	0.0058	0.0012	mg/kg	
67-66-3	Chloroform	ND	0.0058	0.00029	mg/kg	
74-87-3	Chloromethane	ND	0.0058	0.00040	mg/kg	
110-82-7	Cyclohexane	ND	0.0058	0.00030	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.012	0.0015	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0058	0.00028	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0012	0.00064	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0058	0.00039	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0058	0.00025	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0058	0.00029	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	0.00041	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0058	0.00036	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0012	0.00037	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0058	0.00033	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0058	0.00024	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0058	0.00049	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0058	0.00051	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0058	0.00026	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0058	0.00031	mg/kg	
100-41-4	Ethylbenzene	ND	0.0012	0.00020	mg/kg	
76-13-1	Freon 113	ND	0.0058	0.00050	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	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:	311-PE-91		
Lab Sample ID:	JB68173-9	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	79.9
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	0.0058	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0058	0.0019	mg/kg	
108-87-2	Methylcyclohexane	0.0011	0.0058	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	0.0058	0.0015	mg/kg	
75-09-2	Methylene chloride	ND	0.0058	0.0020	mg/kg	
100-42-5	Styrene	ND	0.0058	0.00027	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0058	0.00040	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0058	0.00048	mg/kg	
108-88-3	Toluene	ND	0.0012	0.00016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	0.00024	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	0.00021	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0058	0.00033	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0058	0.00095	mg/kg	
79-01-6	Trichloroethene	ND	0.0058	0.00041	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0058	0.00026	mg/kg	
75-01-4	Vinyl chloride	ND	0.0058	0.00040	mg/kg	
	m,p-Xylene	ND	0.0012	0.00056	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	88%	89%	59-130%
17060-07-0	1,2-Dichloroethane-D4	86%	89%	65-123%
2037-26-5	Toluene-D8	104%	99%	77-125%
460-00-4	4-Bromofluorobenzene	110%	108%	71-132%

(a) Sample prepared from intact soil jar and reported per client's request.
(b) Sample analyzed outside the BFB time and reported as a confirmation run.

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:	311-PE-91		
Lab Sample ID:	JB68173-9	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	79.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92505.D	1	06/13/14	OYA	06/03/14	OP75285	EZ4598
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	0.082	0.041	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.041	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.066	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.069	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.82	0.050	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.82	0.050	mg/kg	
95-48-7	2-Methylphenol	ND	0.082	0.047	mg/kg	
	3&4-Methylphenol	ND	0.082	0.052	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.043	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.069	mg/kg	
87-86-5	Pentachlorophenol	ND	0.41	0.070	mg/kg	
108-95-2	Phenol	ND	0.082	0.043	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.042	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.048	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.039	mg/kg	
83-32-9	Acenaphthene	ND	0.041	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.041	0.013	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0072	mg/kg	
120-12-7	Anthracene	ND	0.041	0.014	mg/kg	
1912-24-9	Atrazine	ND	0.082	0.0081	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.041	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.041	0.013	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.041	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.041	0.015	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.041	0.015	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.082	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.082	0.024	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.082	0.0048	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.0094	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.082	0.013	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.013	mg/kg	
86-74-8	Carbazole	ND	0.082	0.019	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:	311-PE-91		
Lab Sample ID:	JB68173-9	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	79.9
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	0.082	0.013	mg/kg	
218-01-9	Chrysene	ND	0.041	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.082	0.017	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.082	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.082	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.082	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.018	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.016	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.082	0.010	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.041	0.014	mg/kg	
132-64-9	Dibenzofuran	ND	0.082	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.082	0.0091	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.082	0.020	mg/kg	
84-66-2	Diethyl phthalate	ND	0.082	0.014	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.082	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.082	0.036	mg/kg	
206-44-0	Fluoranthene	ND	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.082	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.042	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.041	0.014	mg/kg	
78-59-1	Isophorone	ND	0.082	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.082	0.023	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.018	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.016	mg/kg	
91-20-3	Naphthalene	ND	0.041	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.082	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.082	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.024	mg/kg	
85-01-8	Phenanthrene	ND	0.041	0.019	mg/kg	
129-00-0	Pyrene	ND	0.041	0.016	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.013	mg/kg	

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

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

Report of Analysis

Client Sample ID:	311-PE-91		
Lab Sample ID:	JB68173-9	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	79.9
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	75%		15-110%
118-79-6	2,4,6-Tribromophenol	96%		20-123%
4165-60-0	Nitrobenzene-d5	74%		10-110%
321-60-8	2-Fluorobiphenyl	79%		17-110%
1718-51-0	Terphenyl-d14	88%		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: 311-PE-91
Lab Sample ID: JB68173-9
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 79.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7280	50	1.3	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.27 U	2.0	0.27	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	2.5	2.0	0.29	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	59.2	20	0.080	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.49	0.20	0.020	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.40 B	0.50	0.050	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2830	500	3.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	23.1	1.0	0.070	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	6.6	5.0	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	13.7	2.5	0.15	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	12800	50	0.96	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	6.6	2.0	0.21	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	3850	500	3.4	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	134	1.5	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0087 U	0.038	0.0087	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	29.5	4.0	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1740	1000	4.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.59 B	2.0	0.33	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.36 B	0.50	0.14	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	362 B	1000	1.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.94 B	1.0	0.41	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	25.9	5.0	0.090	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	31.3	2.0	0.38	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	312-PE-92		
Lab Sample ID:	JB68173-10	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11422.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0298	0.011	0.0049	mg/kg	
71-43-2	Benzene	ND	0.0011	0.00014	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	0.00056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0054	0.00030	mg/kg	
75-25-2	Bromoform	ND	0.0054	0.00028	mg/kg	
74-83-9	Bromomethane	ND	0.0054	0.00052	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0047	mg/kg	
75-15-0	Carbon disulfide	ND	0.0054	0.00015	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0054	0.00027	mg/kg	
108-90-7	Chlorobenzene	ND	0.0054	0.00021	mg/kg	
75-00-3	Chloroethane	ND	0.0054	0.0011	mg/kg	
67-66-3	Chloroform	ND	0.0054	0.00027	mg/kg	
74-87-3	Chloromethane	ND	0.0054	0.00037	mg/kg	
110-82-7	Cyclohexane	ND	0.0054	0.00028	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.011	0.0014	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0054	0.00026	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00059	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0054	0.00036	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0054	0.00023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0054	0.00027	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0054	0.00038	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0054	0.00034	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00035	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0054	0.00031	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0054	0.00022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0054	0.00045	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0054	0.00047	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0054	0.00024	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0054	0.00029	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00019	mg/kg	
76-13-1	Freon 113	ND	0.0054	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	0.0019	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:	312-PE-92		
Lab Sample ID:	JB68173-10	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0011	0.0054	0.00016	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0054	0.0018	mg/kg	
108-87-2	Methylcyclohexane	0.0011	0.0054	0.00018	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00037	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0054	0.0014	mg/kg	
75-09-2	Methylene chloride	0.0029	0.0054	0.0018	mg/kg	J
100-42-5	Styrene	ND	0.0054	0.00025	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	0.00037	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0054	0.00044	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00015	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	0.00022	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	0.00019	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0054	0.00031	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0054	0.00088	mg/kg	
79-01-6	Trichloroethene	ND	0.0054	0.00038	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0054	0.00024	mg/kg	
75-01-4	Vinyl chloride	ND	0.0054	0.00037	mg/kg	
	m,p-Xylene	ND	0.0011	0.00052	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00019	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		59-130%
17060-07-0	1,2-Dichloroethane-D4	97%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	110%		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:	312-PE-92		
Lab Sample ID:	JB68173-10	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z92506.D	1	06/13/14	OYA	06/03/14	OP75285	EZ4598
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	0.082	0.041	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.041	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.066	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.069	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.82	0.050	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.82	0.050	mg/kg	
95-48-7	2-Methylphenol	ND	0.082	0.047	mg/kg	
	3&4-Methylphenol	ND	0.082	0.052	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.043	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.069	mg/kg	
87-86-5	Pentachlorophenol	ND	0.41	0.070	mg/kg	
108-95-2	Phenol	ND	0.082	0.043	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.042	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.047	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.038	mg/kg	
83-32-9	Acenaphthene	ND	0.041	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.041	0.013	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0072	mg/kg	
120-12-7	Anthracene	ND	0.041	0.014	mg/kg	
1912-24-9	Atrazine	ND	0.082	0.0081	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.041	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.041	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.041	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.041	0.015	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.041	0.015	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.082	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.082	0.024	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.082	0.0047	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0094	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.082	0.013	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.013	mg/kg	
86-74-8	Carbazole	ND	0.082	0.019	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:	312-PE-92		
Lab Sample ID:	JB68173-10	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.2
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	0.082	0.013	mg/kg	
218-01-9	Chrysene	ND	0.041	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.082	0.017	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.082	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.082	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.082	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.018	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.016	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.082	0.010	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.041	0.014	mg/kg	
132-64-9	Dibenzofuran	ND	0.082	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.082	0.0091	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.082	0.020	mg/kg	
84-66-2	Diethyl phthalate	ND	0.082	0.014	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.082	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.082	0.036	mg/kg	
206-44-0	Fluoranthene	ND	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.082	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.042	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.041	0.014	mg/kg	
78-59-1	Isophorone	ND	0.082	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.082	0.023	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.018	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.016	mg/kg	
91-20-3	Naphthalene	ND	0.041	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.082	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.082	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.024	mg/kg	
85-01-8	Phenanthrene	ND	0.041	0.019	mg/kg	
129-00-0	Pyrene	ND	0.041	0.016	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.013	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:	312-PE-92		
Lab Sample ID:	JB68173-10	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.2
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	70%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		20-123%
4165-60-0	Nitrobenzene-d5	83%		10-110%
321-60-8	2-Fluorobiphenyl	75%		17-110%
1718-51-0	Terphenyl-d14	82%		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: 312-PE-92
Lab Sample ID: JB68173-10
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 80.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7400	64	1.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.35 U	2.6	0.35	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	2.5 B	2.6	0.37	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	58.3	26	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.50	0.26	0.026	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.40 B	0.64	0.064	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2880	640	3.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	24.1	1.3	0.090	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	6.5	6.4	0.077	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	13.5	3.2	0.19	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	13300	64	1.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	6.7	2.6	0.27	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	4370	640	4.3	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	136	1.9	0.077	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0088 U	0.039	0.0088	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	35.1	5.1	0.13	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	1830	1300	5.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.93 B	2.6	0.42	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.18 U	0.64	0.18	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	386 B	1300	2.4	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	1.2 B	1.3	0.53	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	25.1	6.4	0.12	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	30.7	2.6	0.49	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	313-PE-93		
Lab Sample ID:	JB68173-11	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11463.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	6.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0340	0.0092	0.0042	mg/kg	
71-43-2	Benzene	0.0018	0.00092	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0046	0.00048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0046	0.00026	mg/kg	
75-25-2	Bromoform	ND	0.0046	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0046	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	0.0061	0.0092	0.0040	mg/kg	J
75-15-0	Carbon disulfide	0.00076	0.0046	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0046	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0046	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0046	0.00091	mg/kg	
67-66-3	Chloroform	ND	0.0046	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0046	0.00031	mg/kg	
110-82-7	Cyclohexane	0.0258	0.0046	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0092	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0046	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00092	0.00050	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0046	0.00031	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0046	0.00020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0046	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0046	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0046	0.00029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00092	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0046	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0046	0.00019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0046	0.00039	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0046	0.00040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0046	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0046	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.00092	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0046	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0046	0.0016	mg/kg	

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

Report of Analysis

Client Sample ID:	313-PE-93		
Lab Sample ID:	JB68173-11	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	80.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0012	0.0046	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0046	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.156	0.0046	0.00015	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00092	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0046	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0046	0.0016	mg/kg	
100-42-5	Styrene	ND	0.0046	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0046	0.00031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0046	0.00038	mg/kg	
108-88-3	Toluene	ND	0.00092	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0046	0.00019	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0046	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0046	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0046	0.00075	mg/kg	
79-01-6	Trichloroethene	ND	0.0046	0.00032	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0046	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0046	0.00031	mg/kg	
	m,p-Xylene	ND	0.00092	0.00044	mg/kg	
95-47-6	o-Xylene	ND	0.00092	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00092	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		59-130%
17060-07-0	1,2-Dichloroethane-D4	86%		65-123%
2037-26-5	Toluene-D8	108%		77-125%
460-00-4	4-Bromofluorobenzene	105%		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:	313-PE-93		
Lab Sample ID:	JB68173-11	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61995.D	1	06/12/14	HK	06/03/14	OP75285	E3E2658
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 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	0.081	0.041	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.041	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.065	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.068	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.81	0.049	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.81	0.049	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.046	mg/kg	
	3&4-Methylphenol	ND	0.081	0.052	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.043	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.069	mg/kg	
87-86-5	Pentachlorophenol	ND	0.41	0.069	mg/kg	
108-95-2	Phenol	ND	0.081	0.043	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.042	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.047	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.038	mg/kg	
83-32-9	Acenaphthene	ND	0.041	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.041	0.013	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0071	mg/kg	
120-12-7	Anthracene	ND	0.041	0.014	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.0080	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.041	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.041	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.041	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.041	0.015	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.041	0.015	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.023	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0047	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0093	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.013	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.013	mg/kg	
86-74-8	Carbazole	ND	0.081	0.019	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:	313-PE-93		
Lab Sample ID:	JB68173-11	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.3
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	0.081	0.013	mg/kg	
218-01-9	Chrysene	ND	0.041	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.016	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.012	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.081	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.018	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.015	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.010	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.026	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.041	0.014	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.012	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0090	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.020	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.014	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.014	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.081	0.036	mg/kg	
206-44-0	Fluoranthene	ND	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.013	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.013	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.041	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.041	0.014	mg/kg	
78-59-1	Isophorone	ND	0.081	0.011	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.081	0.023	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.018	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.016	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.016	mg/kg	
91-20-3	Naphthalene	0.0322	0.041	0.011	mg/kg	J
98-95-3	Nitrobenzene	ND	0.081	0.012	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.0099	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.024	mg/kg	
85-01-8	Phenanthrene	ND	0.041	0.018	mg/kg	
129-00-0	Pyrene	ND	0.041	0.016	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		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:	313-PE-93		
Lab Sample ID:	JB68173-11	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	80.3
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	75%		15-110%
118-79-6	2,4,6-Tribromophenol	96%		20-123%
4165-60-0	Nitrobenzene-d5	71%		10-110%
321-60-8	2-Fluorobiphenyl	76%		17-110%
1718-51-0	Terphenyl-d14	85%		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: 313-PE-93
Lab Sample ID: JB68173-11
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: 80.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7920	63	1.7	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.34 U	2.5	0.34	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	2.7	2.5	0.36	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	60.7	25	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.54	0.25	0.025	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.38 B	0.63	0.063	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	2860	630	3.8	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	21.8	1.3	0.088	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	6.9	6.3	0.075	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	14.1	3.1	0.19	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	13400	63	1.2	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	7.2	2.5	0.26	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	3900	630	4.3	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	140	1.9	0.075	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0086 U	0.038	0.0086	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	28.1	5.0	0.13	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	2030	1300	5.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.57 B	2.5	0.42	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.30 B	0.63	0.18	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	368 B	1300	2.4	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	1.0 B	1.3	0.52	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	23.7	6.3	0.11	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	31.3	2.5	0.48	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	314-PE-94		
Lab Sample ID:	JB68173-12	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	78.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11462.D	1	06/05/14	TDN	n/a	n/a	V3V487
Run #2							

	Initial Weight
Run #1	7.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0382	0.0089	0.0041	mg/kg	
71-43-2	Benzene	ND	0.00089	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0045	0.00046	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0045	0.00025	mg/kg	
75-25-2	Bromoform	ND	0.0045	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0045	0.00043	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0089	0.0039	mg/kg	
75-15-0	Carbon disulfide	0.00075	0.0045	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0045	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0045	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0045	0.00089	mg/kg	
67-66-3	Chloroform	ND	0.0045	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0045	0.00031	mg/kg	
110-82-7	Cyclohexane	0.0013	0.0045	0.00023	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0089	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0045	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00089	0.00049	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0045	0.00030	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0045	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0045	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0045	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0045	0.00028	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00089	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0045	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0045	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0045	0.00038	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0045	0.00039	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0045	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0045	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.00089	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0045	0.00039	mg/kg	
591-78-6	2-Hexanone	ND	0.0045	0.0016	mg/kg	

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

Report of Analysis

Client Sample ID:	314-PE-94		
Lab Sample ID:	JB68173-12	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	78.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0012	0.0045	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0045	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.0087	0.0045	0.00015	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00089	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0045	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0045	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0045	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0045	0.00031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0045	0.00037	mg/kg	
108-88-3	Toluene	ND	0.00089	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0045	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0045	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0045	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0045	0.00073	mg/kg	
79-01-6	Trichloroethene	ND	0.0045	0.00031	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0045	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0045	0.00031	mg/kg	
	m,p-Xylene	ND	0.00089	0.00043	mg/kg	
95-47-6	o-Xylene	ND	0.00089	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00089	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	104%		77-125%
460-00-4	4-Bromofluorobenzene	99%		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:	314-PE-94		
Lab Sample ID:	JB68173-12	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	78.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61996.D	1	06/12/14	HK	06/03/14	OP75285	E3E2658
Run #2							

	Initial Weight	Final Volume
Run #1	34.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.074	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	ND	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0065	mg/kg	
120-12-7	Anthracene	ND	0.037	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.074	0.0073	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.037	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.037	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.037	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.037	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.037	0.014	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.074	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:	314-PE-94		
Lab Sample ID:	JB68173-12	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	78.9
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	0.074	0.012	mg/kg	
218-01-9	Chrysene	ND	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	ND	0.037	0.013	mg/kg	
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	ND	0.037	0.016	mg/kg	
86-73-7	Fluorene	ND	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	ND	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	0.0260	0.037	0.010	mg/kg	J
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	ND	0.037	0.017	mg/kg	
129-00-0	Pyrene	ND	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	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:	314-PE-94		
Lab Sample ID:	JB68173-12	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	78.9
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	74%		15-110%
118-79-6	2,4,6-Tribromophenol	94%		20-123%
4165-60-0	Nitrobenzene-d5	62%		10-110%
321-60-8	2-Fluorobiphenyl	77%		17-110%
1718-51-0	Terphenyl-d14	81%		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:	314-PE-94		
Lab Sample ID:	JB68173-12	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
		Percent Solids:	78.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8910	51	1.3	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.28 U	2.0	0.28	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	2.9	2.0	0.30	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	74.4	20	0.082	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.61	0.20	0.020	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.45 B	0.51	0.051	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	3230	510	3.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	27.1	1.0	0.072	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	8.2	5.1	0.061	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	16.7	2.6	0.15	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	15700	51	0.98	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	7.8	2.0	0.21	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	4620	510	3.5	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	171	1.5	0.061	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.0090 U	0.040	0.0090	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	35.0	4.1	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	2220	1000	4.1	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	0.86 B	2.0	0.34	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.14 U	0.51	0.14	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	442 B	1000	1.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.47 B	1.0	0.42	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Vanadium	29.5	5.1	0.092	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	36.3	2.0	0.39	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	315-DEC-4		
Lab Sample ID:	JB68173-13	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	57.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11432.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	4.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.397	0.022	0.010	mg/kg	
71-43-2	Benzene	ND	0.0022	0.00028	mg/kg	
74-97-5	Bromochloromethane	ND	0.011	0.0011	mg/kg	
75-27-4	Bromodichloromethane	ND	0.011	0.00062	mg/kg	
75-25-2	Bromoform	ND	0.011	0.00057	mg/kg	
74-83-9	Bromomethane	ND	0.011	0.0011	mg/kg	
78-93-3	2-Butanone (MEK)	0.108	0.022	0.0096	mg/kg	
75-15-0	Carbon disulfide	0.0054	0.011	0.00031	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.011	0.00055	mg/kg	
108-90-7	Chlorobenzene	ND	0.011	0.00043	mg/kg	
75-00-3	Chloroethane	ND	0.011	0.0022	mg/kg	
67-66-3	Chloroform	0.0022	0.011	0.00056	mg/kg	J
74-87-3	Chloromethane	ND	0.011	0.00075	mg/kg	
110-82-7	Cyclohexane	0.0056	0.011	0.00056	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.022	0.0029	mg/kg	
124-48-1	Dibromochloromethane	ND	0.011	0.00053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	0.0012	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.011	0.00074	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.011	0.00048	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.011	0.00055	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.011	0.00077	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.011	0.00069	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	0.00070	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.011	0.00063	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.011	0.00045	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.011	0.00093	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.011	0.00095	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.011	0.00050	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.011	0.00059	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00038	mg/kg	
76-13-1	Freon 113	ND	0.011	0.00095	mg/kg	
591-78-6	2-Hexanone	ND	0.011	0.0039	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:	315-DEC-4		
Lab Sample ID:	JB68173-13	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	57.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0017	0.011	0.00032	mg/kg	J
79-20-9	Methyl Acetate	ND	0.011	0.0037	mg/kg	
108-87-2	Methylcyclohexane	0.0758	0.011	0.00036	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	0.00075	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.011	0.0029	mg/kg	
75-09-2	Methylene chloride	ND	0.011	0.0037	mg/kg	
100-42-5	Styrene	ND	0.011	0.00051	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.011	0.00075	mg/kg	
127-18-4	Tetrachloroethene	ND	0.011	0.00090	mg/kg	
108-88-3	Toluene	0.0021	0.0022	0.00031	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.011	0.00045	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.011	0.00040	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.011	0.00063	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.011	0.0018	mg/kg	
79-01-6	Trichloroethene	ND	0.011	0.00077	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.011	0.00049	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	0.00075	mg/kg	
	m,p-Xylene	0.0012	0.0022	0.0011	mg/kg	J
95-47-6	o-Xylene	0.0013	0.0022	0.00039	mg/kg	J
1330-20-7	Xylene (total)	0.0024	0.0022	0.00039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		59-130%
17060-07-0	1,2-Dichloroethane-D4	92%		65-123%
2037-26-5	Toluene-D8	109%		77-125%
460-00-4	4-Bromofluorobenzene	105%		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:	315-DEC-4		
Lab Sample ID:	JB68173-13	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	57.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61997.D	1	06/12/14	HK	06/03/14	OP75285	E3E2658
Run #2	3E62034.D	4	06/13/14	OYA	06/03/14	OP75285	E3E2660

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

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	6.81 [a]	0.44	0.28	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	0.553	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	0.271	0.054	0.016	mg/kg	
208-96-8	Acenaphthylene	ND	0.054	0.017	mg/kg	
98-86-2	Acetophenone	ND	0.27	0.0096	mg/kg	
120-12-7	Anthracene	0.564	0.054	0.019	mg/kg	
1912-24-9	Atrazine	ND	0.11	0.011	mg/kg	
56-55-3	Benzo(a)anthracene	0.525	0.054	0.018	mg/kg	
50-32-8	Benzo(a)pyrene	0.463	0.054	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.535	0.054	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.242	0.054	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.246	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	0.0478	0.11	0.0063	mg/kg	J
100-52-7	Benzaldehyde	0.500	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	0.161	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:	315-DEC-4		
Lab Sample ID:	JB68173-13	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	57.1
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	0.11	0.017	mg/kg	
218-01-9	Chrysene	0.590	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	0.0903	0.054	0.019	mg/kg	
132-64-9	Dibenzofuran	0.283	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	0.019	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	1.30	0.054	0.024	mg/kg	
86-73-7	Fluorene	0.393	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	0.251	0.054	0.019	mg/kg	
78-59-1	Isophorone	ND	0.11	0.015	mg/kg	
91-57-6	2-Methylnaphthalene	0.276	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	1.04	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	1.81	0.054	0.025	mg/kg	
129-00-0	Pyrene	1.06	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	48%	47%	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:	315-DEC-4		
Lab Sample ID:	JB68173-13	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	57.1
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	48%	45%	15-110%
118-79-6	2,4,6-Tribromophenol	61%	54%	20-123%
4165-60-0	Nitrobenzene-d5	48%	45%	10-110%
321-60-8	2-Fluorobiphenyl	48%	48%	17-110%
1718-51-0	Terphenyl-d14	45%	46%	30-124%

(a) Result is from Run# 2

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

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

Report of Analysis

Client Sample ID:	315-DEC-4		
Lab Sample ID:	JB68173-13	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
		Percent Solids:	57.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3900	50	1.3	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.27 U	2.0	0.27	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	6.2	2.0	0.29	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	240	20	0.081	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.26	0.20	0.020	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	1.3	0.50	0.050	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	14500	500	3.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	10	1.0	0.070	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	2.9 B	5.0	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	29.9	2.5	0.15	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	8480	50	0.97	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	672	2.0	0.21	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	850	500	3.4	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	175	1.5	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.72	0.057	0.013	mg/kg	1	06/12/14	06/12/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	12.9	4.0	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	675 B	1000	4.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	2.4	2.0	0.33	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.43 B	0.50	0.14	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	376 B	1000	1.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.41 U	1.0	0.41	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Vanadium	10.7	5.0	0.091	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	133	2.0	0.38	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34221
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80005

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:	316-PE-43		
Lab Sample ID:	JB68173-14	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	29.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11421.D	1	06/04/14	TDN	n/a	n/a	V3V486
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.117	0.041	0.019	mg/kg	
71-43-2	Benzene	ND	0.0041	0.00052	mg/kg	
74-97-5	Bromochloromethane	ND	0.021	0.0021	mg/kg	
75-27-4	Bromodichloromethane	ND	0.021	0.0012	mg/kg	
75-25-2	Bromoform	ND	0.021	0.0011	mg/kg	
74-83-9	Bromomethane	ND	0.021	0.0020	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.041	0.018	mg/kg	
75-15-0	Carbon disulfide	0.0239	0.021	0.00058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.021	0.0010	mg/kg	
108-90-7	Chlorobenzene	ND	0.021	0.00081	mg/kg	
75-00-3	Chloroethane	ND	0.021	0.0041	mg/kg	
67-66-3	Chloroform	ND	0.021	0.0010	mg/kg	
74-87-3	Chloromethane	ND	0.021	0.0014	mg/kg	
110-82-7	Cyclohexane	ND	0.021	0.0011	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.041	0.0055	mg/kg	
124-48-1	Dibromochloromethane	ND	0.021	0.0010	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0041	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.021	0.0014	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.021	0.00090	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.021	0.0010	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.021	0.0015	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.021	0.0013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0041	0.0013	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.021	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.021	0.00085	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.021	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.021	0.0018	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.021	0.00094	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.021	0.0011	mg/kg	
100-41-4	Ethylbenzene	ND	0.0041	0.00072	mg/kg	
76-13-1	Freon 113	ND	0.021	0.0018	mg/kg	
591-78-6	2-Hexanone	ND	0.021	0.0073	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:	316-PE-43		
Lab Sample ID:	JB68173-14	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8260C	**Percent Solids:**	29.6
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	0.021	0.00061	mg/kg	
79-20-9	Methyl Acetate	ND	0.021	0.0069	mg/kg	
108-87-2	Methylcyclohexane	ND	0.021	0.00068	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0041	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.021	0.0054	mg/kg	
75-09-2	Methylene chloride	0.0081	0.021	0.0070	mg/kg	J
100-42-5	Styrene	ND	0.021	0.00096	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.021	0.0014	mg/kg	
127-18-4	Tetrachloroethene	ND	0.021	0.0017	mg/kg	
108-88-3	Toluene	0.0010	0.0041	0.00059	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.021	0.00085	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.021	0.00075	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.021	0.0012	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.021	0.0034	mg/kg	
79-01-6	Trichloroethene	ND	0.021	0.0014	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.021	0.00093	mg/kg	
75-01-4	Vinyl chloride	ND	0.021	0.0014	mg/kg	
	m,p-Xylene	ND	0.0041	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0041	0.00073	mg/kg	
1330-20-7	Xylene (total)	ND	0.0041	0.00073	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		59-130%
17060-07-0	1,2-Dichloroethane-D4	105%		65-123%
2037-26-5	Toluene-D8	104%		77-125%
460-00-4	4-Bromofluorobenzene	115%		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:	316-PE-43		
Lab Sample ID:	JB68173-14	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	29.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E61998.D	1	06/12/14	HK	06/03/14	OP75285	E3E2658
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 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	0.21	0.11	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.54	0.11	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.54	0.17	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.54	0.18	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	2.1	0.13	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2.1	0.13	mg/kg	
95-48-7	2-Methylphenol	ND	0.21	0.12	mg/kg	
	3&4-Methylphenol	ND	0.21	0.14	mg/kg	
88-75-5	2-Nitrophenol	ND	0.54	0.11	mg/kg	
100-02-7	4-Nitrophenol	ND	1.1	0.18	mg/kg	
87-86-5	Pentachlorophenol	ND	1.1	0.18	mg/kg	
108-95-2	Phenol	ND	0.21	0.11	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.54	0.11	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.54	0.12	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.54	0.10	mg/kg	
83-32-9	Acenaphthene	ND	0.11	0.031	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	0.034	mg/kg	
98-86-2	Acetophenone	ND	0.54	0.019	mg/kg	
120-12-7	Anthracene	ND	0.11	0.038	mg/kg	
1912-24-9	Atrazine	ND	0.21	0.021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.11	0.035	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.11	0.033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.11	0.036	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.040	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.040	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.21	0.039	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.21	0.062	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.21	0.012	mg/kg	
100-52-7	Benzaldehyde	ND	0.54	0.025	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.21	0.033	mg/kg	
106-47-8	4-Chloroaniline	ND	0.54	0.034	mg/kg	
86-74-8	Carbazole	ND	0.21	0.050	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:	316-PE-43		
Lab Sample ID:	JB68173-14	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	29.6
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	0.21	0.034	mg/kg	
218-01-9	Chrysene	ND	0.11	0.036	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.21	0.043	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.21	0.032	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.21	0.032	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.21	0.032	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.11	0.047	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.11	0.041	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.21	0.027	mg/kg	
123-91-1	1,4-Dioxane	ND	0.11	0.070	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.037	mg/kg	
132-64-9	Dibenzofuran	ND	0.21	0.032	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.21	0.024	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.21	0.052	mg/kg	
84-66-2	Diethyl phthalate	ND	0.21	0.037	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.21	0.038	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.21	0.095	mg/kg	
206-44-0	Fluoranthene	ND	0.11	0.047	mg/kg	
86-73-7	Fluorene	ND	0.11	0.035	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.21	0.035	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.11	0.030	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.1	0.11	mg/kg	
67-72-1	Hexachloroethane	ND	0.54	0.030	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.037	mg/kg	
78-59-1	Isophorone	ND	0.21	0.029	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.21	0.060	mg/kg	
88-74-4	2-Nitroaniline	ND	0.54	0.047	mg/kg	
99-09-2	3-Nitroaniline	ND	0.54	0.043	mg/kg	
100-01-6	4-Nitroaniline	ND	0.54	0.042	mg/kg	
91-20-3	Naphthalene	ND	0.11	0.029	mg/kg	
98-95-3	Nitrobenzene	ND	0.21	0.031	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.21	0.026	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.54	0.064	mg/kg	
85-01-8	Phenanthrene	ND	0.11	0.049	mg/kg	
129-00-0	Pyrene	ND	0.11	0.041	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.54	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		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:	316-PE-43		
Lab Sample ID:	JB68173-14	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	29.6
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	39%		15-110%
118-79-6	2,4,6-Tribromophenol	37%		20-123%
4165-60-0	Nitrobenzene-d5	41%		10-110%
321-60-8	2-Fluorobiphenyl	33%		17-110%
1718-51-0	Terphenyl-d14	31%		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:	316-PE-43		
Lab Sample ID:	JB68173-14	**Date Sampled:**	05/30/14
Matrix:	SO - Soil	**Date Received:**	05/30/14
		Percent Solids:	29.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	16500	50	1.3	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Antimony	0.29 B	2.0	0.27	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Arsenic	5.2	2.0	0.29	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Barium	39.3	20	0.080	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.96	0.20	0.020	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cadmium	0.39 B	0.50	0.050	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Calcium	3350	500	3.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Chromium	26.5	1.0	0.070	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Cobalt	5.9	5.0	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Copper	9.9	2.5	0.15	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Iron	20100	50	0.97	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Lead	11.2	2.0	0.21	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Magnesium	5230	500	3.4	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Manganese	178	1.5	0.060	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.022 B	0.048	0.011	mg/kg	1	06/13/14	06/13/14	JW	SW846 7471B [3]	SW846 7471B [5]
Nickel	19.9	4.0	0.10	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Potassium	3770	1000	4.0	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Selenium	1.7 B	2.0	0.33	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Silver	0.40 B	0.50	0.14	mg/kg	1	06/05/14	06/10/14	GT	SW846 6010C [2]	SW846 3050B [4]
Sodium	2330	1000	1.9	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Thallium	0.86 B	1.0	0.41	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Vanadium	55.8	5.0	0.090	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]
Zinc	41.9	2.0	0.38	mg/kg	1	06/05/14	06/07/14	RR	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA34179
(2) Instrument QC Batch: MA34209
(3) Instrument QC Batch: MA34231
(4) Prep QC Batch: MP79887
(5) Prep QC Batch: MP80030

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:	317-FB-8		
Lab Sample ID:	JB68173-15	**Date Sampled:**	05/30/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/30/14
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	1C128961.D	1	06/05/14	MD	n/a	n/a	V1C5750
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:	317-FB-8		
Lab Sample ID:	JB68173-15	**Date Sampled:**	05/30/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/30/14
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	98%		79-120%
17060-07-0	1,2-Dichloroethane-D4	91%		72-123%
2037-26-5	Toluene-D8	100%		78-119%
460-00-4	4-Bromofluorobenzene	99%		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:	317-FB-8		
Lab Sample ID:	JB68173-15	**Date Sampled:**	05/30/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/30/14
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	Z92134.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
Run #2							

	Initial Volume	Final Volume
Run #1	950 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	5.3	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.7	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	6.9	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	5.3	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.95	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.58	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	1.6	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.21	ug/l	
98-86-2	Acetophenone	ND	2.1	0.38	ug/l	
120-12-7	Anthracene	ND	1.1	0.20	ug/l	
1912-24-9	Atrazine	ND	2.1	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.71	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.23	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	1.1	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.36	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.32	ug/l	
86-74-8	Carbazole	ND	1.1	0.18	ug/l	

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

Report of Analysis

Client Sample ID:	317-FB-8		
Lab Sample ID:	JB68173-15	**Date Sampled:**	05/30/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/30/14
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	0.43	ug/l	
218-01-9	Chrysene	ND	1.1	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.44	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.46	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.40	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.34	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.27	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.59	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.75	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.29	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.61	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.2	2.1	0.58	ug/l	J
206-44-0	Fluoranthene	ND	1.1	0.17	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.48	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.41	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	0.51	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.30	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.42	ug/l	
78-59-1	Isophorone	ND	2.1	0.36	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.31	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	0.33	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.32	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.55	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.40	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	ND	1.1	0.20	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-110%

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

Report of Analysis

Client Sample ID:	317-FB-8		
Lab Sample ID:	JB68173-15	**Date Sampled:**	05/30/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/30/14
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	27%		10-110%
118-79-6	2,4,6-Tribromophenol	57%		29-139%
4165-60-0	Nitrobenzene-d5	66%		28-131%
321-60-8	2-Fluorobiphenyl	65%		30-121%
1718-51-0	Terphenyl-d14	83%		16-147%

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

Report of Analysis

Client Sample ID: 317-FB-8
Lab Sample ID: JB68173-15
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/30/14
Date Received: 05/30/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11 U	200	11	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Antimony	2.6 U	6.0	2.6	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Arsenic	2.6 U	3.0	2.6	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Barium	1.0 U	200	1.0	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Beryllium	0.40 U	1.0	0.40	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Cadmium	0.70 U	3.0	0.70	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Calcium	89.5 B	5000	19	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Chromium	0.89 U	10	0.89	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Cobalt	0.83 U	50	0.83	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Copper	1.2 U	10	1.2	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Iron	12 U	100	12	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Lead	1.3 U	3.0	1.3	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Magnesium	41 U	5000	41	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Manganese	0.50 B	15	0.48	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Mercury	0.064 U	0.20	0.064	ug/l	1	06/05/14	06/05/14	JW	SW846 7470A [2]	SW846 7470A [5]
Nickel	0.75 U	10	0.75	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Potassium	50 U	10000	50	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Selenium	3.6 U	10	3.6	ug/l	1	06/03/14	06/05/14	KK	SW846 6010C [3]	SW846 3010A [4]
Silver	1.2 U	10	1.2	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Sodium	549 B	10000	19	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Thallium	1.8 U	2.0	1.8	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Vanadium	0.87 U	50	0.87	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]
Zinc	11.6 B	20	7.6	ug/l	1	06/03/14	06/04/14	KK	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA34160
(2) Instrument QC Batch: MA34168
(3) Instrument QC Batch: MA34171
(4) Prep QC Batch: MP79830
(5) Prep QC Batch: MP79896

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 15:29 18-Sep-2014

Report of Analysis

Client Sample ID:	318-TB-7		
Lab Sample ID:	JB68173-16	**Date Sampled:**	05/30/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/30/14
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	1C128962.D	1	06/05/14	MD	n/a	n/a	V1C5750
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
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	318-TB-7		
Lab Sample ID:	JB68173-16	**Date Sampled:**	05/30/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/30/14
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	97%		79-120%
17060-07-0	1,2-Dichloroethane-D4	92%		72-123%
2037-26-5	Toluene-D8	99%		78-119%
460-00-4	4-Bromofluorobenzene	95%		74-119%

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E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

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

ACCUTEST LABORATORIES

SLL
FB
STB

CHAIN OF CUSTODY

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

PAGE 1 OF 2

FED-EX Tracking #: | Bottle Order Control #:
Acutest Quote #: | Acutest Job #: JB68173

Client / Reporting Information

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

Project Information

Project Name: Bond Street Development
Street: 365 Bond St
City: Brooklyn State: NY
Project #: 100287503.400.026.2
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)

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

Acutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	TAL Metals	LAB USE ONLY
1	303 - PE-88	—	5/29/14	1130	CBM	S	5					2	2	1		X	X	X	E64
2	304 - PE-84	—	5/29/14	1420	CBM	S	5					2	2	1		X	X	X	A5
3	305 - PE-85	—	5/30/14	0815	CBM	S	5					2	2	1		X	X	X	V540
4	306 - PE-75	—	5/30/14	0820	CBM	S	5					2	2	1		X	X	X	
5	307 - PE-76	—	5/30/14	0840	CBM	S	5					2	2	1		X	X	X	D14
6	308 - PE-86	—	5/30/14	0855	CBM	S	5					2	2	1		X	X	X	1464
7	309 - PE-77	—	5/30/14	0850	CBM	S	5					2	2	1		X	X	X	4901
8	310 - PE-90	—	5/30/14	0940	CBM	S	5					2	2	1		X	X	X	
9	311 - PE-91	—	5/30/14	0955	CBM	S	5					2	2	1		X	X	X	
10	312 - PE-92	—	5/30/14	0950	CBM	S	5					2	2	1		X	X	X	
11	313 - PE-93	—	5/30/14	0955	CBM	S	5					2	2	1		X	X	X	
12	314 - PE-94	—	5/30/14	1000	CBM	S	5					2	2	1		X	X	X	

Turnaround Time (Business days)

- ☐ Std. 15 Business Days
- ☒ Std. 10 Business Days (by Contract only)
- ☐ 10 Day *RUSH*
- ☐ 5 Day *RUSH*
- ☐ 3 Day *EMERGENCY*
- ☐ 2 Day *EMERGENCY*
- ☐ 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labtrack

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 EQUIS
- ☐ 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 report in µg/kg and down to MDL
FB in 3 HCl vials in bubble wrap

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	Christine B. Madsen	5/30/14	1	2	5/30/14 2000	2
3	Relinquished by Sampler:	Date Time:	3	4		4
5	Relinquished by:	Date Time:	5	Custody Seal # None ☐ Intact ☐ Not Intact	Preserved where applicable: ☑	On Ice:	Cooler Temp: 6.0°c IR

NR

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www. acutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JB68173

Client / Reporting Information

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

Project Information

Project Name: Bond Street Development
Street: 365 Bond St
City: Brooklyn State: NY
Project #: 100287503.400.026.2
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)

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	TAL Metals	LAB USE ONLY
13	315 - DEC-4	—	5/30/14	1045	CBM	S	5					2	2	1		X	X	X	
14	316 - PE-43	—	5/30/14	1115	CBM	S	5					2	2	1		X	X	X	
15	317 - FB-8	—	5/30/14	1400	CBM	FB	~~EB~~	3		1		2				X	X	X	
16	318 - TB-7	—	5/30/14	—	CBM	TB	~~FB~~	2				3				X			

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [X] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

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
- [X] EDD Format: EQUIS
- [ ] 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 report in ug/kg and down to MDL
FB in 3 HCl vials in bubble wrap

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	Christine Madsen	5/30/14	1	2		2
3			3	4		4
5			5			

Custody Seal # | Intact | Not intact | Preserved where applicable | On Ice | Cooler Temp.

5.1 5

JB68173: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB68173 **Client:** **Project:**

Date / Time Received: 5/30/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (6/5.7); 0

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

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

Quality Control Preservatio	Y	or	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	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

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

Sample Integrity - Instructions	Y	or	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

Accutest Laboratories
V:732.329.0200
2235 US Highway 130
F: 732.329.3499
Dayton, New Jersey
www/accutest.com

JB68173: Chain of Custody
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Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68173

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68173-1	Collected: 29-MAY-14 11:30 By: CBM		Received: 30-MAY-14 By: AS			
303-PE-88						
JB68173-1	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-1	SW846 8260C	04-JUN-14 15:09	TDN			VC8260TCL20
JB68173-1	SW846 6010C	07-JUN-14 09:16	RR	05-JUN-14	AH	AG,AL,AS,BA,BE,CA,CO,CR,CU, FE,K,MG,MN,NA,NI,PB,SB,SE, TL,V,ZN
JB68173-1	SW846 8270D	09-JUN-14 19:53	SP	03-JUN-14	TM	AB8270TCL20
JB68173-1	SW846 6010C	10-JUN-14 22:03	GT	05-JUN-14	AH	CD
JB68173-1	SW846 7471B	12-JUN-14 12:56	JW	12-JUN-14	JW	HG
JB68173-2	Collected: 29-MAY-14 14:20 By: CBM		Received: 30-MAY-14 By: AS			
304-PE-84						
JB68173-2	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-2	SW846 8260C	04-JUN-14 15:36	TDN			VC8260TCL20
JB68173-2	SW846 6010C	07-JUN-14 10:31	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,TL, V,ZN
JB68173-2	SW846 8270D	09-JUN-14 20:21	SP	03-JUN-14	TM	AB8270TCL20
JB68173-2	SW846 6010C	10-JUN-14 22:07	GT	05-JUN-14	AH	AG,MG
JB68173-2	SW846 7471B	12-JUN-14 12:57	JW	12-JUN-14	JW	HG
JB68173-3	Collected: 30-MAY-14 08:15 By: CBM		Received: 30-MAY-14 By: AS			
305-PE-85						
JB68173-3	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-3	SW846 8260C	02-JUN-14 20:07	TDN			VC8260TCL20
JB68173-3	SW846 6010C	07-JUN-14 10:37	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,TL, V,ZN
JB68173-3	SW846 8270D	09-JUN-14 20:49	SP	03-JUN-14	TM	AB8270TCL20
JB68173-3	SW846 6010C	10-JUN-14 22:16	GT	05-JUN-14	AH	AG,MG
JB68173-3	SW846 7471B	12-JUN-14 12:58	JW	12-JUN-14	JW	HG
JB68173-4	Collected: 30-MAY-14 08:20 By: CBM		Received: 30-MAY-14 By: AS			
306-PE-75						
JB68173-4	SM2540 G-97	02-JUN-14 14:00	AA			%SOL

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68173

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68173-4	SW846 8260C	05-JUN-14 13:52	TDN			VC8260TCL20
JB68173-4	SW846 6010C	07-JUN-14 10:44	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,V,ZN
JB68173-4	SW846 6010C	10-JUN-14 22:19	GT	05-JUN-14	AH	AG,MG,TL
JB68173-4	SW846 8270D	11-JUN-14 19:25	HK	03-JUN-14	TM	AB8270TCL20
JB68173-4	SW846 7471B	12-JUN-14 13:00	JW	12-JUN-14	JW	HG
JB68173-5	Collected: 30-MAY-14 08:40 By: CBM		Received: 30-MAY-14 By: AS			
307-PE-76						
JB68173-5	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-5	SW846 8260C	05-JUN-14 13:25	TDN			VC8260TCL20
JB68173-5	SW846 6010C	07-JUN-14 10:50	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,V,ZN
JB68173-5	SW846 6010C	10-JUN-14 22:22	GT	05-JUN-14	AH	AG,MG,TL
JB68173-5	SW846 8270D	11-JUN-14 19:51	HK	03-JUN-14	TM	AB8270TCL20
JB68173-5	SW846 7471B	12-JUN-14 13:01	JW	12-JUN-14	JW	HG
JB68173-6	Collected: 30-MAY-14 08:45 By: CBM		Received: 30-MAY-14 By: AS			
308-PE-86						
JB68173-6	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-6	SW846 8260C	04-JUN-14 19:09	TDN			VC8260TCL20
JB68173-6	SW846 6010C	07-JUN-14 10:56	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,V,ZN
JB68173-6	SW846 6010C	10-JUN-14 22:25	GT	05-JUN-14	AH	AG,MG,TL
JB68173-6	SW846 8270D	11-JUN-14 20:17	HK	03-JUN-14	TM	AB8270TCL20
JB68173-6	SW846 7471B	12-JUN-14 13:02	JW	12-JUN-14	JW	HG
JB68173-7	Collected: 30-MAY-14 08:50 By: CBM		Received: 30-MAY-14 By: AS			
309-PE-77						
JB68173-7	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-7	SW846 8260C	04-JUN-14 19:35	TDN			VC8260TCL20
JB68173-7	SW846 6010C	07-JUN-14 11:02	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,V,ZN
JB68173-7	SW846 6010C	10-JUN-14 22:28	GT	05-JUN-14	AH	AG,MG,TL
JB68173-7	SW846 8270D	11-JUN-14 20:43	HK	03-JUN-14	TM	AB8270TCL20
JB68173-7	SW846 7471B	12-JUN-14 13:07	JW	12-JUN-14	JW	HG

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68173

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68173-8	Collected: 30-MAY-14 09:40 By: CBM		Received: 30-MAY-14 By: AS			
310-PE-90						
JB68173-8	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-8	SW846 8260C	04-JUN-14 20:02	TDN			VC8260TCL20
JB68173-8	SW846 6010C	07-JUN-14 11:08	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,TL, V,ZN
JB68173-8	SW846 6010C	10-JUN-14 22:31	GT	05-JUN-14	AH	AG,MG
JB68173-8	SW846 8270D	11-JUN-14 21:09	HK	03-JUN-14	TM	AB8270TCL20
JB68173-8	SW846 7471B	12-JUN-14 13:08	JW	12-JUN-14	JW	HG
JB68173-9	Collected: 30-MAY-14 09:45 By: CBM		Received: 30-MAY-14 By: AS			
311-PE-91						
JB68173-9	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-9	SW846 8260C	04-JUN-14 06:15	TDN			VC8260TCL20
JB68173-9	SW846 8260C	05-JUN-14 17:26	TDN			VC8260TCL20
JB68173-9	SW846 6010C	07-JUN-14 11:14	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,TL, V,ZN
JB68173-9	SW846 6010C	10-JUN-14 22:34	GT	05-JUN-14	AH	AG,MG
JB68173-9	SW846 7471B	12-JUN-14 13:09	JW	12-JUN-14	JW	HG
JB68173-9	SW846 8270D	13-JUN-14 16:05	OYA	03-JUN-14	TM	AB8270TCL20
JB68173-10	Collected: 30-MAY-14 09:50 By: CBM		Received: 30-MAY-14 By: AS			
312-PE-92						
JB68173-10	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-10	SW846 8260C	04-JUN-14 13:10	TDN			VC8260TCL20
JB68173-10	SW846 6010C	07-JUN-14 11:20	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,TL, V,ZN
JB68173-10	SW846 6010C	10-JUN-14 22:37	GT	05-JUN-14	AH	AG,MG
JB68173-10	SW846 7471B	12-JUN-14 13:10	JW	12-JUN-14	JW	HG
JB68173-10	SW846 8270D	13-JUN-14 16:31	OYA	03-JUN-14	TM	AB8270TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68173

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68173-11 Collected: 30-MAY-14 09:55 By: CBM Received: 30-MAY-14 By: AS 313-PE-93						
JB68173-11	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-11	SW846 8260C	05-JUN-14 20:06	TDN			VC8260TCL20
JB68173-11	SW846 6010C	07-JUN-14 11:39	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,TL, V,ZN
JB68173-11	SW846 6010C	10-JUN-14 22:40	GT	05-JUN-14	AH	AG,MG
JB68173-11	SW846 7471B	12-JUN-14 13:29	JW	12-JUN-14	JW	HG
JB68173-11	SW846 8270D	12-JUN-14 18:25	HK	03-JUN-14	TM	AB8270TCL20
JB68173-12 Collected: 30-MAY-14 10:00 By: CBM Received: 30-MAY-14 By: AS 314-PE-94						
JB68173-12	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-12	SW846 8260C	05-JUN-14 19:40	TDN			VC8260TCL20
JB68173-12	SW846 6010C	07-JUN-14 11:45	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,V,ZN
JB68173-12	SW846 6010C	10-JUN-14 22:44	GT	05-JUN-14	AH	AG,MG,TL
JB68173-12	SW846 7471B	12-JUN-14 13:31	JW	12-JUN-14	JW	HG
JB68173-12	SW846 8270D	12-JUN-14 18:52	HK	03-JUN-14	TM	AB8270TCL20
JB68173-13 Collected: 30-MAY-14 10:45 By: CBM Received: 30-MAY-14 By: AS 315-DEC-4						
JB68173-13	SM2540 G-97	02-JUN-14 14:00	AA			%SOL
JB68173-13	SW846 8260C	04-JUN-14 17:49	TDN			VC8260TCL20
JB68173-13	SW846 6010C	07-JUN-14 11:51	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU, FE,K,MN,NA,NI,PB,SB,SE,V,ZN
JB68173-13	SW846 6010C	10-JUN-14 22:53	GT	05-JUN-14	AH	AG,MG,TL
JB68173-13	SW846 7471B	12-JUN-14 13:32	JW	12-JUN-14	JW	HG
JB68173-13	SW846 8270D	12-JUN-14 19:20	HK	03-JUN-14	TM	AB8270TCL20
JB68173-13	SW846 8270D	13-JUN-14 13:21	OYA	03-JUN-14	TM	AB8270TCL20
JB68173-14 Collected: 30-MAY-14 11:15 By: CBM Received: 30-MAY-14 By: AS 316-PE-43						
JB68173-14	SM2540 G-97	02-JUN-14 14:00	AA			%SOL

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB68173

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB68173-14	SW846 8260C	04-JUN-14 12:43	TDN			VC8260TCL20
JB68173-14	SW846 6010C	07-JUN-14 11:57	RR	05-JUN-14	AH	AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB68173-14	SW846 6010C	10-JUN-14 22:56	GT	05-JUN-14	AH	AG,MG
JB68173-14	SW846 8270D	12-JUN-14 19:48	HK	03-JUN-14	TM	AB8270TCL20
JB68173-14	SW846 7471B	13-JUN-14 12:54	JW	13-JUN-14	JW	HG
JB68173-15	Collected: 30-MAY-14 14:00 By: CBM		Received: 30-MAY-14 By: AS			
317-FB-8						
JB68173-15	SW846 6010C	04-JUN-14 15:59	KK	03-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,TL,V,ZN
JB68173-15	SW846 8270D	04-JUN-14 20:05	AR	03-JUN-14	MP	AB8270TCL20
JB68173-15	SW846 6010C	05-JUN-14 12:52	KK	03-JUN-14	GM	SE
JB68173-15	SW846 7470A	05-JUN-14 13:41	JW	05-JUN-14	JW	HG
JB68173-15	SW846 8260C	05-JUN-14 18:16	MD			VC8260TCL20
JB68173-16	Collected: 30-MAY-14 14:00 By: CBM		Received: 30-MAY-14 By: AS			
318-TB-7						
JB68173-16	SW846 8260C	05-JUN-14 18:43	MD			VC8260TCL20

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-1.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-1.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-1.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-1.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-1.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-1.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-1.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-1.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-1.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-1.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-1.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-1.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-1.1
JB68173-1.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-1.1
JB68173-1.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-1.1.1	Extract Storage	Olga Azarihn	06/09/14 11:14	Retrieve from Storage
JB68173-1.1.1	Olga Azarihn	GCMS3E	06/09/14 11:14	Load on Instrument
JB68173-1.1.1	GCMS3E	Olga Azarihn	06/10/14 13:26	Unload from Instrument
JB68173-1.1.1	Olga Azarihn	Extract Freezer	06/10/14 13:27	Return to Storage
JB68173-1.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-1.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-1.1
JB68173-1.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-1.1
JB68173-1.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-1.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-1.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-1.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-1.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-1.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-1.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-1.4	Secured Storage	Thien Nguyen	06/02/14 11:23	Retrieve from Storage
JB68173-1.4	Thien Nguyen	GCMS3V	06/02/14 11:23	Load on Instrument
JB68173-1.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-1.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-1.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-1.5	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-1.5	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-1.5	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-1.5	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-1.5	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-2.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-2.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-2.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-2.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-2.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-2.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-2.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-2.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-2.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-2.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-2.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-2.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-2.1
JB68173-2.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-2.1
JB68173-2.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-2.1.1	Extract Storage	Olga Azarihn	06/09/14 11:14	Retrieve from Storage
JB68173-2.1.1	Olga Azarihn	GCMS3E	06/09/14 11:14	Load on Instrument
JB68173-2.1.1	GCMS3E	Olga Azarihn	06/10/14 13:26	Unload from Instrument
JB68173-2.1.1	Olga Azarihn	Extract Freezer	06/10/14 13:27	Return to Storage
JB68173-2.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-2.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-2.1
JB68173-2.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-2.1
JB68173-2.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-2.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-2.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-2.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-2.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-2.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-2.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-2.4	Secured Storage	Thien Nguyen	06/02/14 11:23	Retrieve from Storage
JB68173-2.4	Thien Nguyen	GCMS3V	06/02/14 11:23	Load on Instrument
JB68173-2.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-2.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-2.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-2.5	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-2.5	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-2.5	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-2.5	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-2.5	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-3.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-3.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-3.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-3.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-3.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-3.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-3.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-3.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-3.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-3.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-3.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-3.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-3.1
JB68173-3.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-3.1
JB68173-3.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-3.1.1	Extract Storage	Olga Azarihn	06/09/14 11:14	Retrieve from Storage
JB68173-3.1.1	Olga Azarihn	GCMS3E	06/09/14 11:14	Load on Instrument
JB68173-3.1.1	GCMS3E	Olga Azarihn	06/10/14 13:26	Unload from Instrument
JB68173-3.1.1	Olga Azarihn	Extract Freezer	06/10/14 13:27	Return to Storage
JB68173-3.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-3.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-3.1
JB68173-3.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-3.1
JB68173-3.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-3.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-3.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-3.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-3.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-3.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-3.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-3.4	Secured Storage	Thien Nguyen	06/02/14 11:23	Retrieve from Storage
JB68173-3.4	Thien Nguyen	GCMS3V	06/02/14 11:23	Load on Instrument
JB68173-3.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-3.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-3.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-4.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-4.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-4.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-4.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-4.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-4.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-4.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-4.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-4.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-4.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-4.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-4.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-4.1
JB68173-4.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-4.1
JB68173-4.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-4.1.1	Extract Storage	Harpreet Kaur	06/11/14 17:03	Retrieve from Storage
JB68173-4.1.1	Harpreet Kaur	GCMSZ	06/11/14 17:03	Load on Instrument
JB68173-4.1.1	GCMSZ	Olga Azarihn	06/13/14 12:13	Unload from Instrument
JB68173-4.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:13	Return to Storage
JB68173-4.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-4.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-4.1
JB68173-4.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-4.1
JB68173-4.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-4.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-4.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-4.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-4.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-4.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-4.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-4.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-4.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-4.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-4.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-4.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-4.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-4.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-4.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-4.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-4.5	Secured Storage	Thien Nguyen	06/05/14 11:21	Retrieve from Storage
JB68173-4.5	Thien Nguyen	GCMS3V	06/05/14 11:21	Load on Instrument
JB68173-4.5	GCMS3V	Thien Nguyen	06/05/14 13:05	Unload from Instrument
JB68173-4.5	Thien Nguyen	Secured Storage	06/05/14 13:05	Return to Storage
JB68173-4.5	Secured Storage	Thien Nguyen	06/05/14 13:07	Retrieve from Storage
JB68173-4.5	Thien Nguyen	GCMS3V	06/05/14 13:07	Load on Instrument
JB68173-4.5	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68173-4.5	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-4.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-5.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-5.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-5.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-5.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-5.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-5.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-5.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-5.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-5.1
JB68173-5.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-5.1
JB68173-5.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-5.1.1	Extract Storage	Harpreet Kaur	06/11/14 17:03	Retrieve from Storage
JB68173-5.1.1	Harpreet Kaur	GCMSZ	06/11/14 17:03	Load on Instrument
JB68173-5.1.1	GCMSZ	Olga Azarihn	06/13/14 12:13	Unload from Instrument
JB68173-5.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:13	Return to Storage
JB68173-5.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-5.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-5.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-5.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-5.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-5.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-5.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-5.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-5.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-5.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-5.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-5.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-5.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-5.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-5.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-5.5	Secured Storage	Thien Nguyen	06/05/14 11:21	Retrieve from Storage
JB68173-5.5	Thien Nguyen	GCMS3V	06/05/14 11:21	Load on Instrument
JB68173-5.5	GCMS3V	Thien Nguyen	06/05/14 13:05	Unload from Instrument
JB68173-5.5	Thien Nguyen	Secured Storage	06/05/14 13:05	Return to Storage
JB68173-5.5	Secured Storage	Thien Nguyen	06/05/14 13:07	Retrieve from Storage
JB68173-5.5	Thien Nguyen	GCMS3V	06/05/14 13:07	Load on Instrument
JB68173-5.5	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68173-5.5	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68173-5.5	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-6.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-6.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-6.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-6.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-6.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-6.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-6.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-6.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-6.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-6.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-6.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-6.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-6.1
JB68173-6.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-6.1
JB68173-6.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-6.1.1	Extract Storage	Harpreet Kaur	06/11/14 17:03	Retrieve from Storage
JB68173-6.1.1	Harpreet Kaur	GCMSZ	06/11/14 17:03	Load on Instrument
JB68173-6.1.1	GCMSZ	Olga Azarihn	06/13/14 12:13	Unload from Instrument
JB68173-6.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:13	Return to Storage
JB68173-6.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-6.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-6.1
JB68173-6.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-6.1
JB68173-6.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-6.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-6.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-6.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-6.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-6.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-6.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-6.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-6.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-6.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-6.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-6.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-6.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-6.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-6.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-6.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-7.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-7.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-7.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-7.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-7.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-7.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-7.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-7.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-7.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-7.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-7.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-7.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-7.1
JB68173-7.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-7.1
JB68173-7.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-7.1.1	Extract Storage	Harpreet Kaur	06/11/14 17:03	Retrieve from Storage
JB68173-7.1.1	Harpreet Kaur	GCMSZ	06/11/14 17:03	Load on Instrument
JB68173-7.1.1	GCMSZ	Olga Azarihn	06/13/14 12:13	Unload from Instrument
JB68173-7.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:13	Return to Storage
JB68173-7.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-7.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-7.1
JB68173-7.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-7.1
JB68173-7.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-7.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-7.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-7.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-7.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-7.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-7.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-7.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-7.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-7.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-7.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-7.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-7.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-7.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-7.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-7.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-8.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-8.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-8.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-8.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-8.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-8.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-8.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-8.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-8.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-8.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-8.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-8.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-8.1
JB68173-8.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-8.1
JB68173-8.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-8.1.1	Extract Storage	Harpreet Kaur	06/11/14 17:03	Retrieve from Storage
JB68173-8.1.1	Harpreet Kaur	GCMSZ	06/11/14 17:03	Load on Instrument
JB68173-8.1.1	GCMSZ	Olga Azarihn	06/13/14 12:13	Unload from Instrument
JB68173-8.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:13	Return to Storage
JB68173-8.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-8.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-8.1
JB68173-8.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-8.1
JB68173-8.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-8.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-8.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-8.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-8.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-8.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-8.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-8.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-8.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-8.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-8.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-8.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-8.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-8.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-8.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-8.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-9.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-9.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-9.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-9.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-9.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-9.1	Amirah Hillman	Thien Nguyen	06/05/14 11:26	Custody Transfer
JB68173-9.1	Thien Nguyen	Secured Storage	06/05/14 11:30	Return to Storage
JB68173-9.1	Secured Storage	Ana Maria Moreta	06/05/14 11:53	Retrieve from Storage
JB68173-9.1	Ana Maria Moreta	Secured Staging Area	06/05/14 11:53	Return to Storage
JB68173-9.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB68173-9.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-9.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-9.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-9.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-9.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-9.1
JB68173-9.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-9.1
JB68173-9.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-9.1.1	Extract Storage	Harpreet Kaur	06/12/14 13:24	Retrieve from Storage
JB68173-9.1.1	Harpreet Kaur	GCMS3E	06/12/14 13:24	Load on Instrument
JB68173-9.1.1	GCMS3E	Olga Azarihn	06/13/14 12:12	Unload from Instrument
JB68173-9.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:12	Return to Storage
JB68173-9.1.1	Extract Freezer	Olga Azarihn	06/13/14 14:08	Retrieve from Storage
JB68173-9.1.1	Olga Azarihn	GCMSZ	06/13/14 14:08	Load on Instrument
JB68173-9.1.1	GCMSZ	Ashley Royal	07/09/14 10:39	Unload from Instrument
JB68173-9.1.1	Ashley Royal	Extract Freezer	07/09/14 10:39	Return to Storage
JB68173-9.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-9.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-9.1
JB68173-9.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-9.1
JB68173-9.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-9.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-9.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-9.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-9.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-9.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-9.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-9.3	Secured Storage	Thien Nguyen	06/05/14 13:37	Retrieve from Storage
JB68173-9.3	Thien Nguyen	Secured Storage	06/05/14 13:37	Return to Storage
JB68173-9.3	Secured Storage	Thien Nguyen	06/06/14 14:05	Retrieve from Storage
JB68173-9.3	Thien Nguyen	Secured Storage	06/06/14 14:05	Return to Storage
JB68173-9.3	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-9.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-9.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-9.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-9.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-9.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-9.5	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-9.5	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-9.5	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-9.5	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-9.5	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-9.5	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-9.5	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-9.5	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-9.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-10.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-10.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-10.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-10.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-10.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-10.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-10.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-10.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-10.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-10.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-10.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-10.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-10.1
JB68173-10.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-10.1
JB68173-10.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-10.1.1	Extract Storage	Harpreet Kaur	06/12/14 13:24	Retrieve from Storage
JB68173-10.1.1	Harpreet Kaur	GCMS3E	06/12/14 13:24	Load on Instrument
JB68173-10.1.1	GCMS3E	Olga Azarihn	06/13/14 12:12	Unload from Instrument
JB68173-10.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:12	Return to Storage
JB68173-10.1.1	Extract Freezer	Olga Azarihn	06/13/14 14:08	Retrieve from Storage
JB68173-10.1.1	Olga Azarihn	GCMSZ	06/13/14 14:08	Load on Instrument
JB68173-10.1.1	GCMSZ	Ashley Royal	07/09/14 10:39	Unload from Instrument
JB68173-10.1.1	Ashley Royal	Extract Freezer	07/09/14 10:39	Return to Storage
JB68173-10.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-10.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-10.1
JB68173-10.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-10.1
JB68173-10.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-10.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-10.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-10.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-10.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-10.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-10.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-10.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-10.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-10.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-10.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-10.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-10.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-10.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-10.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-10.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-10.5	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-10.5	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-10.5	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-10.5	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-10.5	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-10.5	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-10.5	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-10.5	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-10.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-11.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-11.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-11.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-11.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-11.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-11.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-11.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-11.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-11.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-11.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-11.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-11.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-11.1
JB68173-11.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-11.1
JB68173-11.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-11.1.1	Extract Storage	Harpreet Kaur	06/12/14 13:24	Retrieve from Storage
JB68173-11.1.1	Harpreet Kaur	GCMS3E	06/12/14 13:24	Load on Instrument
JB68173-11.1.1	GCMS3E	Olga Azarihn	06/13/14 12:12	Unload from Instrument
JB68173-11.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:12	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-11.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-11.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-11.1
JB68173-11.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-11.1
JB68173-11.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-11.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-11.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-11.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-11.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-11.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-11.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-11.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-11.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-11.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-11.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-11.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-11.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-11.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-11.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-11.4	Secured Storage	Thien Nguyen	06/05/14 11:21	Retrieve from Storage
JB68173-11.4	Thien Nguyen	GCMS3V	06/05/14 11:21	Load on Instrument
JB68173-11.4	GCMS3V	Thien Nguyen	06/05/14 13:05	Unload from Instrument
JB68173-11.4	Thien Nguyen	Secured Storage	06/05/14 13:05	Return to Storage
JB68173-11.4	Secured Storage	Thien Nguyen	06/05/14 13:07	Retrieve from Storage
JB68173-11.4	Thien Nguyen	GCMS3V	06/05/14 13:07	Load on Instrument
JB68173-11.4	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68173-11.4	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68173-11.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-12.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-12.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-12.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-12.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-12.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-12.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-12.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-12.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-12.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-12.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-12.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-12.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-12.1

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-12.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-12.1
JB68173-12.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-12.1.1	Extract Storage	Harpreet Kaur	06/12/14 13:24	Retrieve from Storage
JB68173-12.1.1	Harpreet Kaur	GCMS3E	06/12/14 13:24	Load on Instrument
JB68173-12.1.1	GCMS3E	Olga Azarihn	06/13/14 12:12	Unload from Instrument
JB68173-12.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:12	Return to Storage
JB68173-12.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-12.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-12.1
JB68173-12.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-12.1
JB68173-12.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-12.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-12.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-12.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-12.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-12.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-12.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-12.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-12.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-12.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-12.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-12.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-12.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-12.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-12.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-12.4	Secured Storage	Thien Nguyen	06/05/14 11:21	Retrieve from Storage
JB68173-12.4	Thien Nguyen	GCMS3V	06/05/14 11:21	Load on Instrument
JB68173-12.4	GCMS3V	Thien Nguyen	06/05/14 13:05	Unload from Instrument
JB68173-12.4	Thien Nguyen	Secured Storage	06/05/14 13:05	Return to Storage
JB68173-12.4	Secured Storage	Thien Nguyen	06/05/14 13:07	Retrieve from Storage
JB68173-12.4	Thien Nguyen	GCMS3V	06/05/14 13:07	Load on Instrument
JB68173-12.4	GCMS3V	Thien Nguyen	06/06/14 10:07	Unload from Instrument
JB68173-12.4	Thien Nguyen	Secured Storage	06/06/14 10:07	Return to Storage
JB68173-12.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-13.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-13.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-13.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-13.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-13.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-13.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-13.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-13.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-13.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage
JB68173-13.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-13.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-13.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-13.1
JB68173-13.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-13.1
JB68173-13.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-13.1.1	Extract Storage	Harpreet Kaur	06/12/14 13:24	Retrieve from Storage
JB68173-13.1.1	Harpreet Kaur	GCMS3E	06/12/14 13:24	Load on Instrument
JB68173-13.1.1	GCMS3E	Olga Azarihn	06/13/14 12:12	Unload from Instrument
JB68173-13.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:12	Return to Storage
JB68173-13.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-13.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-13.1
JB68173-13.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-13.1
JB68173-13.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-13.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-13.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-13.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-13.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-13.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-13.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-13.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-13.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-13.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-13.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-13.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-13.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-13.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-13.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-13.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-14.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB68173-14.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB68173-14.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB68173-14.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB68173-14.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB68173-14.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB68173-14.1	Secured Storage	Edwin Gonzalez	06/12/14 08:21	Retrieve from Storage
JB68173-14.1	Edwin Gonzalez	Secured Staging Area	06/12/14 08:21	Return to Storage
JB68173-14.1	Secured Staging Area	Jieyu Wang	06/12/14 08:29	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-14.1	Jieyu Wang	Secured Storage	06/12/14 12:14	Return to Storage
JB68173-14.1	Secured Storage	Todd Shoemaker	06/13/14 09:28	Retrieve from Storage
JB68173-14.1	Todd Shoemaker	Secured Staging Area	06/13/14 09:28	Return to Storage
JB68173-14.1	Secured Staging Area	Jieyu Wang	06/13/14 10:05	Retrieve from Storage
JB68173-14.1	Jieyu Wang	Secured Storage	06/13/14 10:05	Return to Storage
JB68173-14.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-14.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:36	Extract from JB68173-14.1
JB68173-14.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB68173-14.1
JB68173-14.1.1	Tin Marlar	Extract Storage	06/03/14 16:20	Return to Storage
JB68173-14.1.1	Extract Storage	Harpreet Kaur	06/12/14 13:24	Retrieve from Storage
JB68173-14.1.1	Harpreet Kaur	GCMS3E	06/12/14 13:24	Load on Instrument
JB68173-14.1.1	GCMS3E	Olga Azarihn	06/13/14 12:12	Unload from Instrument
JB68173-14.1.1	Olga Azarihn	Extract Freezer	06/13/14 12:12	Return to Storage
JB68173-14.1.1	Extract Freezer		07/14/14 09:00	Disposed
JB68173-14.1.2	Amirah Hillman	Metals Digestion	06/05/14 11:12	Digestate from JB68173-14.1
JB68173-14.1.2	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB68173-14.1
JB68173-14.1.2	Amirah Hillman	Metals Digestate Storage	06/05/14 11:13	Return to Storage
JB68173-14.1.2	Metals Digestate Storage		08/12/14 09:00	Disposed
JB68173-14.2	Secured Storage	Alfredo Crespo	06/02/14 11:36	Retrieve from Storage
JB68173-14.2	Alfredo Crespo	Secured Staging Area	06/02/14 11:36	Return to Storage
JB68173-14.2	Secured Staging Area	Aly Abdelgawad	06/02/14 12:59	Retrieve from Storage
JB68173-14.2	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB68173-14.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-14.4	Secured Storage	Thien Nguyen	06/02/14 15:44	Retrieve from Storage
JB68173-14.4	Thien Nguyen	GCMS3V	06/02/14 15:44	Load on Instrument
JB68173-14.4	GCMS3V	Thien Nguyen	06/04/14 09:56	Unload from Instrument
JB68173-14.4	Thien Nguyen	Secured Storage	06/04/14 09:56	Return to Storage
JB68173-14.4	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-14.4	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-14.4	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-14.4	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-14.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-14.5	Secured Storage	Thien Nguyen	06/04/14 11:58	Retrieve from Storage
JB68173-14.5	Thien Nguyen	GCMS3V	06/04/14 11:58	Load on Instrument
JB68173-14.5	GCMS3V	Thien Nguyen	06/05/14 11:21	Unload from Instrument
JB68173-14.5	Thien Nguyen	Secured Storage	06/05/14 11:21	Return to Storage
JB68173-14.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-15.2	Secured Storage	Sheila Kore	06/03/14 14:05	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/30/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB68173-15.2	Sheila Kore		06/03/14 22:36	Depleted
JB68173-15.2.1	Sheila Kore	Organics Prep	06/03/14 14:06	Extract from JB68173-15.2
JB68173-15.2.1	Organics Prep	Max Ponce	06/03/14 23:51	Extract from JB68173-15.2
JB68173-15.2.1	Max Ponce	Extract Storage	06/03/14 23:51	Return to Storage
JB68173-15.2.1	Extract Storage		07/14/14 09:00	Disposed
JB68173-15.3	Secured Storage	Alfredo Crespo	06/03/14 07:11	Retrieve from Storage
JB68173-15.3	Alfredo Crespo	Secured Staging Area	06/03/14 07:11	Return to Storage
JB68173-15.3	Secured Staging Area	Gina Montenegro	06/03/14 09:32	Retrieve from Storage
JB68173-15.3	Gina Montenegro	Secured Storage	06/03/14 15:13	Return to Storage
JB68173-15.3	Secured Storage	Edwin Gonzalez	06/05/14 07:47	Retrieve from Storage
JB68173-15.3	Edwin Gonzalez	Secured Staging Area	06/05/14 07:47	Return to Storage
JB68173-15.3	Secured Staging Area	Jieyu Wang	06/05/14 08:26	Retrieve from Storage
JB68173-15.3	Jieyu Wang	Secured Storage	06/05/14 10:28	Return to Storage
JB68173-15.3	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-15.3.1	Gina Montenegro	Metals Digestion	06/03/14 11:52	Digestate from JB68173-15.3
JB68173-15.3.1	Metals Digestion	Gina Montenegro	06/03/14 11:52	Digestate from JB68173-15.3
JB68173-15.3.1	Gina Montenegro	Metals Digestate Storage	06/03/14 11:52	Return to Storage
JB68173-15.3.1	Metals Digestate Storage	Kyle Kroeze	06/05/14 18:32	Retrieve from Storage
JB68173-15.3.1	Kyle Kroeze	Metals Digestate Storage	06/05/14 18:35	Return to Storage
JB68173-15.3.1	Metals Digestate Storage		08/11/14 09:00	Disposed
JB68173-15.4	Secured Storage	Maricela Delgaolillo	06/03/14 16:25	Retrieve from Storage
JB68173-15.4	Maricela Delgaolillo	GCMS1C	06/03/14 16:25	Load on Instrument
JB68173-15.4	GCMS1C	Dezaree Reis	06/06/14 10:56	Unload from Instrument
JB68173-15.4	Dezaree Reis	Secured Storage	06/06/14 10:56	Return to Storage
JB68173-15.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB68173-16.1	Secured Storage	Maricela Delgaolillo	06/03/14 16:25	Retrieve from Storage
JB68173-16.1	Maricela Delgaolillo	GCMS1C	06/03/14 16:25	Load on Instrument
JB68173-16.1	GCMS1C	Dezaree Reis	06/06/14 10:56	Unload from Instrument
JB68173-16.1	Dezaree Reis	Secured Storage	06/06/14 10:56	Return to Storage
JB68173-16.1	Shirley Grzybowski		07/07/14 08:45	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: JB68173
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
V3V484-MB1	3V11379.D	1	06/02/14	TDN	n/a	n/a	V3V484

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

JB68173-3

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: JB68173
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
V3V484-MB1	3V11379.D	1	06/02/14	TDN	n/a	n/a	V3V484

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

JB68173-3

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	88%	59-130%
17060-07-0	1,2-Dichloroethane-D4	89%	65-123%
2037-26-5	Toluene-D8	103%	77-125%
460-00-4	4-Bromofluorobenzene	102%	71-132%

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

Method Blank Summary

Job Number: JB68173
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
V3V486-MB1	3V11418.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

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: JB68173
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
V3V486-MB1	3V11418.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

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	89%	59-130%
17060-07-0	1,2-Dichloroethane-D4	94%	65-123%
2037-26-5	Toluene-D8	105%	77-125%
460-00-4	4-Bromofluorobenzene	108%	71-132%

Method Blank Summary

Job Number: JB68173
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
V3V487-MB1	3V11444.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68173-4, JB68173-5, JB68173-9, JB68173-11, JB68173-12

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: JB68173
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
V3V487-MB1	3V11444.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68173-4, JB68173-5, JB68173-9, JB68173-11, JB68173-12

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	87%	59-130%
17060-07-0	1,2-Dichloroethane-D4	84%	65-123%
2037-26-5	Toluene-D8	102%	77-125%
460-00-4	4-Bromofluorobenzene	100%	71-132%

Method Blank Summary

Job Number: JB68173
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
V1C5750-MB	1C128947.D	1	06/05/14	MD	n/a	n/a	V1C5750

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

JB68173-15, JB68173-16

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: JB68173
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
V1C5750-MB	1C128947.D	1	06/05/14	MD	n/a	n/a	V1C5750

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

JB68173-15, JB68173-16

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	100%	79-120%
17060-07-0	1,2-Dichloroethane-D4	97%	72-123%
2037-26-5	Toluene-D8	101%	78-119%
460-00-4	4-Bromofluorobenzene	95%	74-119%

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

Blank Spike Summary

Job Number: JB68173
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
V3V484-BS	3V11380.D	1	06/02/14	TDN	n/a	n/a	V3V484

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

JB68173-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	44.1	88	50-147
71-43-2	Benzene	50	55.1	110	75-122
74-97-5	Bromochloromethane	50	50.3	101	77-127
75-27-4	Bromodichloromethane	50	55.3	111	79-132
75-25-2	Bromoform	50	55.2	110	76-134
74-83-9	Bromomethane	50	45.3	91	56-151
78-93-3	2-Butanone (MEK)	50	48.9	98	68-137
75-15-0	Carbon disulfide	50	54.0	108	70-129
56-23-5	Carbon tetrachloride	50	56.7	113	71-148
108-90-7	Chlorobenzene	50	56.8	114	78-120
75-00-3	Chloroethane	50	61.2	122	64-145
67-66-3	Chloroform	50	49.0	98	75-124
74-87-3	Chloromethane	50	45.2	90	51-139
110-82-7	Cyclohexane	50	54.8	110	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	51.8	104	69-134
124-48-1	Dibromochloromethane	50	55.1	110	79-130
106-93-4	1,2-Dibromoethane	50	56.2	112	80-122
95-50-1	1,2-Dichlorobenzene	50	52.7	105	76-118
541-73-1	1,3-Dichlorobenzene	50	54.3	109	75-120
106-46-7	1,4-Dichlorobenzene	50	53.7	107	73-116
75-71-8	Dichlorodifluoromethane	50	36.9	74	34-161
75-34-3	1,1-Dichloroethane	50	54.5	109	78-128
107-06-2	1,2-Dichloroethane	50	53.9	108	75-139
75-35-4	1,1-Dichloroethene	50	49.0	98	73-128
156-59-2	cis-1,2-Dichloroethene	50	43.9	88	76-123
156-60-5	trans-1,2-Dichloroethene	50	47.5	95	74-123
78-87-5	1,2-Dichloropropane	50	56.5	113	78-125
10061-01-5	cis-1,3-Dichloropropene	50	54.5	109	75-115
10061-02-6	trans-1,3-Dichloropropene	50	52.7	105	80-125
100-41-4	Ethylbenzene	50	56.5	113	75-122
76-13-1	Freon 113	50	47.2	94	60-155
591-78-6	2-Hexanone	50	53.1	106	69-134
98-82-8	Isopropylbenzene	50	59.9	120	73-123
79-20-9	Methyl Acetate	50	46.0	92	59-133
108-87-2	Methylcyclohexane	50	52.4	105	63-142
1634-04-4	Methyl Tert Butyl Ether	100	99.9	100	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V3V484-BS	3V11380.D	1	06/02/14	TDN	n/a	n/a	V3V484

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

JB68173-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	55.3	111	72-130
75-09-2	Methylene chloride	50	46.8	94	72-122
100-42-5	Styrene	50	60.1	120	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	55.1	110	70-117
127-18-4	Tetrachloroethene	50	57.0	114	70-136
108-88-3	Toluene	50	51.6	103	75-122
87-61-6	1,2,3-Trichlorobenzene	50	52.6	105	67-135
120-82-1	1,2,4-Trichlorobenzene	50	53.2	106	64-137
71-55-6	1,1,1-Trichloroethane	50	53.4	107	78-136
79-00-5	1,1,2-Trichloroethane	50	52.7	105	75-123
79-01-6	Trichloroethene	50	55.2	110	81-130
75-69-4	Trichlorofluoromethane	50	45.8	92	57-146
75-01-4	Vinyl chloride	50	46.7	93	55-133
	m,p-Xylene	100	109	109	75-122
95-47-6	o-Xylene	50	58.4	117	75-121
1330-20-7	Xylene (total)	150	168	112	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	88%	59-130%
17060-07-0	1,2-Dichloroethane-D4	86%	65-123%
2037-26-5	Toluene-D8	101%	77-125%
460-00-4	4-Bromofluorobenzene	105%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V3V486-BS	3V11419.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	53.8	108	50-147
71-43-2	Benzene	50	53.3	107	75-122
74-97-5	Bromochloromethane	50	48.5	97	77-127
75-27-4	Bromodichloromethane	50	55.2	110	79-132
75-25-2	Bromoform	50	54.2	108	76-134
74-83-9	Bromomethane	50	53.4	107	56-151
78-93-3	2-Butanone (MEK)	50	56.1	112	68-137
75-15-0	Carbon disulfide	50	54.7	109	70-129
56-23-5	Carbon tetrachloride	50	54.9	110	71-148
108-90-7	Chlorobenzene	50	53.0	106	78-120
75-00-3	Chloroethane	50	58.2	116	64-145
67-66-3	Chloroform	50	48.6	97	75-124
74-87-3	Chloromethane	50	59.0	118	51-139
110-82-7	Cyclohexane	50	57.2	114	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	57.7	115	69-134
124-48-1	Dibromochloromethane	50	52.5	105	79-130
106-93-4	1,2-Dibromoethane	50	55.3	111	80-122
95-50-1	1,2-Dichlorobenzene	50	52.3	105	76-118
541-73-1	1,3-Dichlorobenzene	50	52.0	104	75-120
106-46-7	1,4-Dichlorobenzene	50	51.5	103	73-116
75-71-8	Dichlorodifluoromethane	50	55.6	111	34-161
75-34-3	1,1-Dichloroethane	50	55.8	112	78-128
107-06-2	1,2-Dichloroethane	50	56.3	113	75-139
75-35-4	1,1-Dichloroethene	50	48.6	97	73-128
156-59-2	cis-1,2-Dichloroethene	50	43.1	86	76-123
156-60-5	trans-1,2-Dichloroethene	50	45.5	91	74-123
78-87-5	1,2-Dichloropropane	50	56.9	114	78-125
10061-01-5	cis-1,3-Dichloropropene	50	54.8	110	75-115
10061-02-6	trans-1,3-Dichloropropene	50	54.8	110	80-125
100-41-4	Ethylbenzene	50	53.6	107	75-122
76-13-1	Freon 113	50	53.5	107	60-155
591-78-6	2-Hexanone	50	61.2	122	69-134
98-82-8	Isopropylbenzene	50	57.0	114	73-123
79-20-9	Methyl Acetate	50	54.4	109	59-133
108-87-2	Methylcyclohexane	50	56.5	113	63-142
1634-04-4	Methyl Tert Butyl Ether	100	111	111	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V3V486-BS	3V11419.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	62.9	126	72-130
75-09-2	Methylene chloride	50	46.5	93	72-122
100-42-5	Styrene	50	57.0	114	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	57.9	116	70-117
127-18-4	Tetrachloroethene	50	51.9	104	70-136
108-88-3	Toluene	50	49.6	99	75-122
87-61-6	1,2,3-Trichlorobenzene	50	53.2	106	67-135
120-82-1	1,2,4-Trichlorobenzene	50	52.8	106	64-137
71-55-6	1,1,1-Trichloroethane	50	53.3	107	78-136
79-00-5	1,1,2-Trichloroethane	50	55.1	110	75-123
79-01-6	Trichloroethene	50	52.3	105	81-130
75-69-4	Trichlorofluoromethane	50	54.9	110	57-146
75-01-4	Vinyl chloride	50	57.8	116	55-133
	m,p-Xylene	100	103	103	75-122
95-47-6	o-Xylene	50	54.5	109	75-121
1330-20-7	Xylene (total)	150	158	105	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	59-130%
17060-07-0	1,2-Dichloroethane-D4	95%	65-123%
2037-26-5	Toluene-D8	102%	77-125%
460-00-4	4-Bromofluorobenzene	107%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V3V487-BS	3V11445.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68173-4, JB68173-5, JB68173-9, JB68173-11, JB68173-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	39.1	78	50-147
71-43-2	Benzene	50	47.8	96	75-122
74-97-5	Bromochloromethane	50	44.9	90	77-127
75-27-4	Bromodichloromethane	50	49.5	99	79-132
75-25-2	Bromoform	50	52.1	104	76-134
74-83-9	Bromomethane	50	46.0	92	56-151
78-93-3	2-Butanone (MEK)	50	48.3	97	68-137
75-15-0	Carbon disulfide	50	48.0	96	70-129
56-23-5	Carbon tetrachloride	50	49.1	98	71-148
108-90-7	Chlorobenzene	50	50.3	101	78-120
75-00-3	Chloroethane	50	48.6	97	64-145
67-66-3	Chloroform	50	42.6	85	75-124
74-87-3	Chloromethane	50	45.1	90	51-139
110-82-7	Cyclohexane	50	50.2	100	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	48.5	97	69-134
124-48-1	Dibromochloromethane	50	50.5	101	79-130
106-93-4	1,2-Dibromoethane	50	51.8	104	80-122
95-50-1	1,2-Dichlorobenzene	50	49.4	99	76-118
541-73-1	1,3-Dichlorobenzene	50	48.7	97	75-120
106-46-7	1,4-Dichlorobenzene	50	48.6	97	73-116
75-71-8	Dichlorodifluoromethane	50	42.1	84	34-161
75-34-3	1,1-Dichloroethane	50	47.0	94	78-128
107-06-2	1,2-Dichloroethane	50	48.8	98	75-139
75-35-4	1,1-Dichloroethene	50	43.7	87	73-128
156-59-2	cis-1,2-Dichloroethene	50	39.5	79	76-123
156-60-5	trans-1,2-Dichloroethene	50	41.1	82	74-123
78-87-5	1,2-Dichloropropane	50	49.6	99	78-125
10061-01-5	cis-1,3-Dichloropropene	50	48.8	98	75-115
10061-02-6	trans-1,3-Dichloropropene	50	48.7	97	80-125
100-41-4	Ethylbenzene	50	48.7	97	75-122
76-13-1	Freon 113	50	45.0	90	60-155
591-78-6	2-Hexanone	50	52.0	104	69-134
98-82-8	Isopropylbenzene	50	52.0	104	73-123
79-20-9	Methyl Acetate	50	45.0	90	59-133
108-87-2	Methylcyclohexane	50	48.1	96	63-142
1634-04-4	Methyl Tert Butyl Ether	100	92.9	93	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V3V487-BS	3V11445.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68173-4, JB68173-5, JB68173-9, JB68173-11, JB68173-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	54.0	108	72-130
75-09-2	Methylene chloride	50	41.4	83	72-122
100-42-5	Styrene	50	53.4	107	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	51.6	103	70-117
127-18-4	Tetrachloroethene	50	50.1	100	70-136
108-88-3	Toluene	50	45.1	90	75-122
87-61-6	1,2,3-Trichlorobenzene	50	49.5	99	67-135
120-82-1	1,2,4-Trichlorobenzene	50	48.7	97	64-137
71-55-6	1,1,1-Trichloroethane	50	44.7	89	78-136
79-00-5	1,1,2-Trichloroethane	50	49.5	99	75-123
79-01-6	Trichloroethene	50	48.6	97	81-130
75-69-4	Trichlorofluoromethane	50	44.9	90	57-146
75-01-4	Vinyl chloride	50	46.9	94	55-133
	m,p-Xylene	100	96.5	97	75-122
95-47-6	o-Xylene	50	50.7	101	75-121
1330-20-7	Xylene (total)	150	147	98	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	59-130%
17060-07-0	1,2-Dichloroethane-D4	84%	65-123%
2037-26-5	Toluene-D8	101%	77-125%
460-00-4	4-Bromofluorobenzene	104%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V1C5750-BS	1C128948.D	1	06/05/14	MD	n/a	n/a	V1C5750

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

JB68173-15, JB68173-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	42.4	85	52-152
71-43-2	Benzene	50	48.8	98	80-121
74-97-5	Bromochloromethane	50	49.8	100	82-125
75-27-4	Bromodichloromethane	50	51.0	102	83-127
75-25-2	Bromoform	50	46.4	93	74-131
74-83-9	Bromomethane	50	41.3	83	45-155
78-93-3	2-Butanone (MEK)	50	49.1	98	67-136
75-15-0	Carbon disulfide	50	48.1	96	69-129
56-23-5	Carbon tetrachloride	50	51.4	103	77-138
108-90-7	Chlorobenzene	50	48.2	96	82-119
75-00-3	Chloroethane	50	51.1	102	61-151
67-66-3	Chloroform	50	50.3	101	79-124
74-87-3	Chloromethane	50	36.0	72	48-148
110-82-7	Cyclohexane	50	48.7	97	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	46.7	93	66-137
124-48-1	Dibromochloromethane	50	46.1	92	81-127
106-93-4	1,2-Dibromoethane	50	46.9	94	79-122
95-50-1	1,2-Dichlorobenzene	50	47.9	96	81-121
541-73-1	1,3-Dichlorobenzene	50	47.5	95	81-119
106-46-7	1,4-Dichlorobenzene	50	47.6	95	80-116
75-71-8	Dichlorodifluoromethane	50	38.4	77	33-161
75-34-3	1,1-Dichloroethane	50	49.5	99	78-129
107-06-2	1,2-Dichloroethane	50	50.4	101	75-133
75-35-4	1,1-Dichloroethene	50	50.6	101	74-128
156-59-2	cis-1,2-Dichloroethene	50	50.8	102	78-123
156-60-5	trans-1,2-Dichloroethene	50	49.8	100	75-122
78-87-5	1,2-Dichloropropane	50	50.2	100	80-124
10061-01-5	cis-1,3-Dichloropropene	50	49.0	98	75-114
10061-02-6	trans-1,3-Dichloropropene	50	46.1	92	78-123
100-41-4	Ethylbenzene	50	47.6	95	82-120
76-13-1	Freon 113	50	56.2	112	65-150
591-78-6	2-Hexanone	50	46.1	92	65-135
98-82-8	Isopropylbenzene	50	49.1	98	80-124
79-20-9	Methyl Acetate	50	43.2	86	53-137
108-87-2	Methylcyclohexane	50	46.8	94	62-142
1634-04-4	Methyl Tert Butyl Ether	100	92.7	93	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
V1C5750-BS	1C128948.D	1	06/05/14	MD	n/a	n/a	V1C5750

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

JB68173-15, JB68173-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	46.0	92	68-135
75-09-2	Methylene chloride	50	48.1	96	75-121
100-42-5	Styrene	50	48.9	98	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	42.8	86	71-123
127-18-4	Tetrachloroethene	50	50.5	101	69-141
108-88-3	Toluene	50	49.0	98	80-122
87-61-6	1,2,3-Trichlorobenzene	50	48.0	96	71-138
120-82-1	1,2,4-Trichlorobenzene	50	50.4	101	77-132
71-55-6	1,1,1-Trichloroethane	50	51.1	102	80-132
79-00-5	1,1,2-Trichloroethane	50	47.5	95	80-127
79-01-6	Trichloroethene	50	51.0	102	82-126
75-69-4	Trichlorofluoromethane	50	48.2	96	63-141
75-01-4	Vinyl chloride	50	40.8	82	53-135
	m,p-Xylene	100	97.0	97	81-121
95-47-6	o-Xylene	50	47.1	94	82-121
1330-20-7	Xylene (total)	150	144	96	82-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	79-120%
17060-07-0	1,2-Dichloroethane-D4	97%	72-123%
2037-26-5	Toluene-D8	100%	78-119%
460-00-4	4-Bromofluorobenzene	97%	74-119%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB68173
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
JB68173-10MS	3V11424.D	1	06/04/14	TDN	n/a	n/a	V3V486
JB68173-10	3V11422.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

CAS No.	Compound	JB68173-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	29.8		52.8	66.1	69	10-181
71-43-2	Benzene	ND		52.8	56.1	106	45-131
74-97-5	Bromochloromethane	ND		52.8	45.3	86	50-131
75-27-4	Bromodichloromethane	ND		52.8	53.9	102	44-138
75-25-2	Bromoform	ND		52.8	43.2	82	34-140
74-83-9	Bromomethane	ND		52.8	59.5	113	18-152
78-93-3	2-Butanone (MEK)	ND		52.8	47.4	90	25-156
75-15-0	Carbon disulfide	ND		52.8	58.4	111	28-139
56-23-5	Carbon tetrachloride	ND		52.8	61.6	117	33-153
108-90-7	Chlorobenzene	ND		52.8	53.9	102	34-138
75-00-3	Chloroethane	ND		52.8	61.8	117	26-142
67-66-3	Chloroform	ND		52.8	50.8	96	51-129
74-87-3	Chloromethane	ND		52.8	68.1	129	34-134
110-82-7	Cyclohexane	ND		52.8	63.9	121	13-150
96-12-8	1,2-Dibromo-3-chloropropane	ND		52.8	44.6	84	22-145
124-48-1	Dibromochloromethane	ND		52.8	49.1	93	41-137
106-93-4	1,2-Dibromoethane	ND		52.8	47.5	90	41-133
95-50-1	1,2-Dichlorobenzene	ND		52.8	52.8	100	22-140
541-73-1	1,3-Dichlorobenzene	ND		52.8	53.4	101	21-141
106-46-7	1,4-Dichlorobenzene	ND		52.8	52.3	99	20-140
75-71-8	Dichlorodifluoromethane	ND		52.8	62.8	119	10-156
75-34-3	1,1-Dichloroethane	ND		52.8	59.2	112	50-130
107-06-2	1,2-Dichloroethane	ND		52.8	52.7	100	49-136
75-35-4	1,1-Dichloroethene	ND		52.8	51.8	98	32-143
156-59-2	cis-1,2-Dichloroethene	ND		52.8	45.1	85	46-129
156-60-5	trans-1,2-Dichloroethene	ND		52.8	49.3	93	41-131
78-87-5	1,2-Dichloropropane	ND		52.8	57.4	109	46-131
10061-01-5	cis-1,3-Dichloropropene	ND		52.8	54.0	102	40-134
10061-02-6	trans-1,3-Dichloropropene	ND		52.8	51.1	97	37-137
100-41-4	Ethylbenzene	ND		52.8	56.9	108	30-139
76-13-1	Freon 113	ND		52.8	51.5	97	16-157
591-78-6	2-Hexanone	ND		52.8	48.5	92	19-155
98-82-8	Isopropylbenzene	1.1	J	52.8	63.5	118	26-141
79-20-9	Methyl Acetate	ND		52.8	37.6	71	17-179
108-87-2	Methylcyclohexane	1.1	J	52.8	64.5	120	10-150
1634-04-4	Methyl Tert Butyl Ether	ND		52.8	49.8	94	45-130

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB68173
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
JB68173-10MS	3V11424.D	1	06/04/14	TDN	n/a	n/a	V3V486
JB68173-10	3V11422.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

CAS No.	Compound	JB68173-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		52.8	43.1	82	31-140
75-09-2	Methylene chloride	2.9	J	52.8	47.7	85	44-127
100-42-5	Styrene	ND		52.8	57.9	110	30-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		52.8	49.0	93	30-131
127-18-4	Tetrachloroethene	ND		52.8	55.6	105	15-183
108-88-3	Toluene	ND		52.8	50.9	96	38-135
87-61-6	1,2,3-Trichlorobenzene	ND		52.8	55.6	105	10-159
120-82-1	1,2,4-Trichlorobenzene	ND		52.8	55.5	105	10-161
71-55-6	1,1,1-Trichloroethane	ND		52.8	57.6	109	43-142
79-00-5	1,1,2-Trichloroethane	ND		52.8	46.7	88	37-135
79-01-6	Trichloroethene	ND		52.8	55.5	105	29-161
75-69-4	Trichlorofluoromethane	ND		52.8	61.4	116	14-160
75-01-4	Vinyl chloride	ND		52.8	66.6	126	31-140
	m,p-Xylene	ND		106	109	103	29-140
95-47-6	o-Xylene	ND		52.8	58.5	111	31-140
1330-20-7	Xylene (total)	ND		159	167	105	30-140

CAS No.	Surrogate Recoveries	MS	JB68173-10	Limits
1868-53-7	Dibromofluoromethane	89%	94%	59-130%
17060-07-0	1,2-Dichloroethane-D4	86%	97%	65-123%
2037-26-5	Toluene-D8	102%	105%	77-125%
460-00-4	4-Bromofluorobenzene	108%	110%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
JB68023-10MS	3V11385.D	1	06/02/14	TDN	n/a	n/a	V3V484
JB68023-10MSD	3V11386.D	1	06/02/14	TDN	n/a	n/a	V3V484
JB68023-10	3V11382.D	1	06/02/14	TDN	n/a	n/a	V3V484

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

JB68173-3

CAS No.	Compound	JB68023-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	54.5		131	155	76	131	157	78	1	10-181/30
71-43-2	Benzene	4.0		131	126	93	131	122	90	3	45-131/22
74-97-5	Bromochloromethane	ND		131	117	89	131	117	89	0	50-131/21
75-27-4	Bromodichloromethane	ND		131	116	88	131	119	91	3	44-138/22
75-25-2	Bromoform	ND		131	97.0	74	131	102	78	5	34-140/24
74-83-9	Bromomethane	ND		131	114	87	131	109	83	4	18-152/31
78-93-3	2-Butanone (MEK)	ND		131	127	97	131	131	100	3	25-156/27
75-15-0	Carbon disulfide	1.3	J	131	92.1	69	131	98.1	74	6	28-139/25
56-23-5	Carbon tetrachloride	ND		131	112	85	131	114	87	2	33-153/25
108-90-7	Chlorobenzene	ND		131	97.7	74	131	102	78	4	34-138/24
75-00-3	Chloroethane	ND		131	123	94	131	124	94	1	26-142/27
67-66-3	Chloroform	ND		131	112	85	131	113	86	1	51-129/21
74-87-3	Chloromethane	ND		131	120	91	131	121	92	1	34-134/24
110-82-7	Cyclohexane	ND		131	99.8	76	131	104	79	4	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		131	84.5	64	131	90.2	69	7	22-145/29
124-48-1	Dibromochloromethane	ND		131	110	84	131	113	86	3	41-137/22
106-93-4	1,2-Dibromoethane	ND		131	117	89	131	119	91	2	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		131	71.6	54	131	75.9	58	6	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		131	75.5	57	131	77.4	59	2	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		131	75.3	57	131	75.9	58	1	20-140/27
75-71-8	Dichlorodifluoromethane	ND		131	118	90	131	121	92	3	10-156/30
75-34-3	1,1-Dichloroethane	ND		131	130	99	131	130	99	0	50-130/22
107-06-2	1,2-Dichloroethane	ND		131	123	94	131	124	94	1	49-136/21
75-35-4	1,1-Dichloroethene	ND		131	117	89	131	115	87	2	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		131	104	79	131	102	78	2	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		131	113	86	131	107	81	5	41-131/22
78-87-5	1,2-Dichloropropane	ND		131	123	94	131	128	97	4	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		131	111	84	131	110	84	1	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		131	107	81	131	108	82	1	37-137/23
100-41-4	Ethylbenzene	9.0		131	111	78	131	106	74	5	30-139/26
76-13-1	Freon 113	ND		131	105	80	131	108	82	3	16-157/27
591-78-6	2-Hexanone	ND		131	107	81	131	120	91	11	19-155/29
98-82-8	Isopropylbenzene	18.5		131	130	85	131	107	67	19	26-141/26
79-20-9	Methyl Acetate	ND		131	167	127	131	175	133	5	17-179/29
108-87-2	Methylcyclohexane	ND		131	77.9	59	131	84.4	64	8	10-150/30
1634-04-4	Methyl Tert Butyl Ether	ND		131	125	95	131	129	98	3	45-130/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
JB68023-10MS	3V11385.D	1	06/02/14	TDN	n/a	n/a	V3V484
JB68023-10MSD	3V11386.D	1	06/02/14	TDN	n/a	n/a	V3V484
JB68023-10	3V11382.D	1	06/02/14	TDN	n/a	n/a	V3V484

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

JB68173-3

CAS No.	Compound	JB68023-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		131	115	87	131	123	94	7	31-140/25
75-09-2	Methylene chloride	ND		131	113	86	131	113	86	0	44-127/21
100-42-5	Styrene	ND		131	87.2	66	131	92.9	71	6	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		131	112	85	131	113	86	1	30-131/27
127-18-4	Tetrachloroethene	ND		131	94.5	72	131	100	76	6	15-183/26
108-88-3	Toluene	2.9		131	102	75	131	105	78	3	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		131	45.5	35	131	46.0	35	1	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		131	48.0	37	131	49.0	37	2	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		131	116	88	131	119	91	3	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		131	110	84	131	115	87	4	37-135/25
79-01-6	Trichloroethene	ND		131	111	84	131	111	84	0	29-161/23
75-69-4	Trichlorofluoromethane	ND		131	111	84	131	111	84	0	14-160/29
75-01-4	Vinyl chloride	ND		131	120	91	131	119	91	1	31-140/24
	m,p-Xylene	ND		263	192	73	263	196	75	2	29-140/26
95-47-6	o-Xylene	5.8		131	109	79	131	106	76	3	31-140/24
1330-20-7	Xylene (total)	6.8		394	302	75	394	302	75	0	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB68023-10	Limits
1868-53-7	Dibromofluoromethane	92%	92%	94%	59-130%
17060-07-0	1,2-Dichloroethane-D4	87%	88%	96%	65-123%
2037-26-5	Toluene-D8	98%	99%	101%	77-125%
460-00-4	4-Bromofluorobenzene	109%	107%	109%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
JB68467-1MS	3V11450.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1MSD	3V11451.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1	3V11447.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68173-4, JB68173-5, JB68173-9, JB68173-11, JB68173-12

CAS No.	Compound	JB68467-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	19.6		51.8	51.3	61	51.8	51.0	61	1	10-181/30
71-43-2	Benzene	ND		51.8	47.9	92	51.8	47.3	91	1	45-131/22
74-97-5	Bromochloromethane	ND		51.8	43.9	85	51.8	44.5	86	1	50-131/21
75-27-4	Bromodichloromethane	ND		51.8	48.4	93	51.8	47.7	92	1	44-138/22
75-25-2	Bromoform	ND		51.8	47.3	91	51.8	47.1	91	0	34-140/24
74-83-9	Bromomethane	ND		51.8	46.8	90	51.8	46.8	90	0	18-152/31
78-93-3	2-Butanone (MEK)	ND		51.8	40.6	78	51.8	39.6	76	2	25-156/27
75-15-0	Carbon disulfide	ND		51.8	42.9	83	51.8	43.3	84	1	28-139/25
56-23-5	Carbon tetrachloride	ND		51.8	44.1	85	51.8	43.5	84	1	33-153/25
108-90-7	Chlorobenzene	ND		51.8	48.7	94	51.8	48.6	94	0	34-138/24
75-00-3	Chloroethane	ND		51.8	49.4	95	51.8	50.1	97	1	26-142/27
67-66-3	Chloroform	ND		51.8	42.2	81	51.8	42.2	81	0	51-129/21
74-87-3	Chloromethane	ND		51.8	45.3	87	51.8	46.0	89	2	34-134/24
110-82-7	Cyclohexane	ND		51.8	29.4	57	51.8	29.1	56	1	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		51.8	41.6	80	51.8	42.3	82	2	22-145/29
124-48-1	Dibromochloromethane	ND		51.8	48.5	94	51.8	48.1	93	1	41-137/22
106-93-4	1,2-Dibromoethane	ND		51.8	48.4	93	51.8	48.3	93	0	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		51.8	46.2	89	51.8	46.6	90	1	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		51.8	45.6	88	51.8	46.2	89	1	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		51.8	45.2	87	51.8	45.5	88	1	20-140/27
75-71-8	Dichlorodifluoromethane	ND		51.8	21.1	41	51.8	21.5	42	2	10-156/30
75-34-3	1,1-Dichloroethane	ND		51.8	46.6	90	51.8	47.0	91	1	50-130/22
107-06-2	1,2-Dichloroethane	ND		51.8	46.3	89	51.8	45.5	88	2	49-136/21
75-35-4	1,1-Dichloroethene	ND		51.8	39.7	77	51.8	40.0	77	1	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		51.8	39.5	76	51.8	39.4	76	0	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		51.8	41.0	79	51.8	41.4	80	1	41-131/22
78-87-5	1,2-Dichloropropane	ND		51.8	49.9	96	51.8	48.9	94	2	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		51.8	45.8	88	51.8	45.2	87	1	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		51.8	45.5	88	51.8	44.4	86	2	37-137/23
100-41-4	Ethylbenzene	ND		51.8	47.5	92	51.8	47.0	91	1	30-139/26
76-13-1	Freon 113	ND		51.8	21.1	41	51.8	21.0	41	0	16-157/27
591-78-6	2-Hexanone	ND		51.8	44.5	86	51.8	44.1	85	1	19-155/29
98-82-8	Isopropylbenzene	ND		51.8	49.4	95	51.8	50.2	97	2	26-141/26
79-20-9	Methyl Acetate	ND		51.8	40.7	79	51.8	42.4	82	4	17-179/29
108-87-2	Methylcyclohexane	ND		51.8	22.0	42	51.8	21.5	42	2	10-150/30
1634-04-4	Methyl Tert Butyl Ether	ND		51.8	45.6	88	51.8	46.1	89	1	45-130/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
JB68467-1MS	3V11450.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1MSD	3V11451.D	1	06/05/14	TDN	n/a	n/a	V3V487
JB68467-1	3V11447.D	1	06/05/14	TDN	n/a	n/a	V3V487

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

JB68173-4, JB68173-5, JB68173-9, JB68173-11, JB68173-12

CAS No.	Compound	JB68467-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		51.8	45.7	88	51.8	45.3	87	1	31-140/25
75-09-2	Methylene chloride	ND		51.8	40.4	78	51.8	40.6	78	0	44-127/21
100-42-5	Styrene	ND		51.8	52.2	101	51.8	51.6	100	1	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		51.8	48.0	93	51.8	48.5	94	1	30-131/27
127-18-4	Tetrachloroethene	ND		51.8	45.5	88	51.8	45.5	88	0	15-183/26
108-88-3	Toluene	ND		51.8	45.4	88	51.8	44.4	86	2	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		51.8	41.2	80	51.8	41.8	81	1	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		51.8	41.8	81	51.8	41.8	81	0	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		51.8	43.0	83	51.8	42.5	82	1	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		51.8	46.8	90	51.8	46.0	89	2	37-135/25
79-01-6	Trichloroethene	ND		51.8	47.1	91	51.8	46.4	90	1	29-161/23
75-69-4	Trichlorofluoromethane	ND		51.8	33.2	64	51.8	33.0	64	1	14-160/29
75-01-4	Vinyl chloride	ND		51.8	44.9	87	51.8	45.1	87	0	31-140/24
	m,p-Xylene	ND		104	92.5	89	104	92.3	89	0	29-140/26
95-47-6	o-Xylene	ND		51.8	50.3	97	51.8	49.9	96	1	31-140/24
1330-20-7	Xylene (total)	ND		155	143	92	155	142	91	1	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB68467-1	Limits
1868-53-7	Dibromofluoromethane	87%	86%	87%	59-130%
17060-07-0	1,2-Dichloroethane-D4	78%	79%	85%	65-123%
2037-26-5	Toluene-D8	102%	100%	103%	77-125%
460-00-4	4-Bromofluorobenzene	103%	104%	102%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
JB67820-3MS	1C128956.D	1	06/05/14	MD	n/a	n/a	V1C5750
JB67820-3MSD	1C128957.D	1	06/05/14	MD	n/a	n/a	V1C5750
JB67820-3	1C128950.D	1	06/05/14	MD	n/a	n/a	V1C5750

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

JB68173-15, JB68173-16

CAS No.	Compound	JB67820-3 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	ND		50	43.1	86	50	44.8	90	4	44-160/20
71-43-2	Benzene	0.29	J	50	47.2	94	50	48.5	96	3	50-136/12
74-97-5	Bromochloromethane	ND		50	50.5	101	50	51.5	103	2	74-131/11
75-27-4	Bromodichloromethane	ND		50	49.5	99	50	51.3	103	4	74-132/11
75-25-2	Bromoform	ND		50	47.5	95	50	49.6	99	4	68-136/12
74-83-9	Bromomethane	ND		50	46.7	93	50	49.5	99	6	37-157/21
78-93-3	2-Butanone (MEK)	ND		50	56.5	113	50	58.5	117	3	60-145/15
75-15-0	Carbon disulfide	ND		50	43.2	86	50	45.9	92	6	37-143/17
56-23-5	Carbon tetrachloride	1.1		50	48.2	94	50	50.7	99	5	46-152/17
108-90-7	Chlorobenzene	ND		50	46.6	93	50	48.7	97	4	70-127/12
75-00-3	Chloroethane	ND		50	45.2	90	50	46.8	94	3	44-147/16
67-66-3	Chloroform	0.79	J	50	49.5	97	50	50.8	100	3	67-129/12
74-87-3	Chloromethane	ND		50	41.3	83	50	43.3	87	5	40-149/19
110-82-7	Cyclohexane	ND		50	45.1	90	50	47.4	95	5	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	47.8	96	50	49.0	98	2	61-144/14
124-48-1	Dibromochloromethane	ND		50	47.2	94	50	48.6	97	3	74-131/10
106-93-4	1,2-Dibromoethane	ND		50	48.2	96	50	50.1	100	4	74-129/10
95-50-1	1,2-Dichlorobenzene	ND		50	46.7	93	50	49.8	100	6	73-126/11
541-73-1	1,3-Dichlorobenzene	ND		50	46.3	93	50	48.9	98	5	71-124/12
106-46-7	1,4-Dichlorobenzene	ND		50	45.8	92	50	48.5	97	6	71-123/12
75-71-8	Dichlorodifluoromethane	1.5	J	50	48.4	94	50	50.2	97	4	20-161/25
75-34-3	1,1-Dichloroethane	9.6		50	54.2	89	50	55.6	92	3	61-134/12
107-06-2	1,2-Dichloroethane	ND		50	50.5	101	50	51.3	103	2	68-137/11
75-35-4	1,1-Dichloroethene	10.4		50	53.4	86	50	56.0	91	5	40-143/17
156-59-2	cis-1,2-Dichloroethene	153		50	167	28* [a]	50	172	38* [a]	3	59-133/12
156-60-5	trans-1,2-Dichloroethene	0.75	J	50	48.7	96	50	50.7	100	4	55-132/14
78-87-5	1,2-Dichloropropane	ND		50	48.5	97	50	49.9	100	3	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	49.4	99	50	50.8	102	3	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	48.1	96	50	49.8	100	3	72-128/11
100-41-4	Ethylbenzene	ND		50	45.7	91	50	47.4	95	4	49-137/13
76-13-1	Freon 113	ND		50	54.9	110	50	58.1	116	6	32-161/23
591-78-6	2-Hexanone	ND		50	48.5	97	50	49.9	100	3	59-145/14
98-82-8	Isopropylbenzene	ND		50	45.5	91	50	47.8	96	5	57-136/14
79-20-9	Methyl Acetate	ND		50	50.5	101	50	50.8	102	1	46-148/15
108-87-2	Methylcyclohexane	ND		50	46.9	94	50	49.5	99	5	30-155/21
1634-04-4	Methyl Tert Butyl Ether	2.3		50	50.4	96	50	52.5	100	4	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
JB67820-3MS	1C128956.D	1	06/05/14	MD	n/a	n/a	V1C5750
JB67820-3MSD	1C128957.D	1	06/05/14	MD	n/a	n/a	V1C5750
JB67820-3	1C128950.D	1	06/05/14	MD	n/a	n/a	V1C5750

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

JB68173-15, JB68173-16

CAS No.	Compound	JB67820-3 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	47.3	95	50	48.3	97	2	63-144/13
75-09-2	Methylene chloride	ND		50	47.4	95	50	48.8	98	3	64-128/11
100-42-5	Styrene	ND		50	47.9	96	50	50.1	100	4	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	44.5	89	50	46.6	93	5	68-131/11
127-18-4	Tetrachloroethene	11.9		50	55.7	88	50	58.5	93	5	48-143/15
108-88-3	Toluene	ND		50	47.6	95	50	48.8	98	2	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	46.7	93	50	49.7	99	6	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	48.3	97	50	50.8	102	5	66-138/12
71-55-6	1,1,1-Trichloroethane	1.2		50	48.3	94	50	50.6	99	5	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		50	48.3	97	50	49.9	100	3	73-130/10
79-01-6	Trichloroethene	431	E	50	352	-158* [a]	50	365	-132* [a]	4	54-141/13
75-69-4	Trichlorofluoromethane	ND		50	49.5	99	50	51.7	103	4	33-159/25
75-01-4	Vinyl chloride	6.4		50	48.9	85	50	51.1	89	4	36-149/19
	m,p-Xylene	ND		100	92.3	92	100	96.1	96	4	50-137/12
95-47-6	o-Xylene	ND		50	45.9	92	50	47.8	96	4	60-134/12
1330-20-7	Xylene (total)	ND		150	138	92	150	144	96	4	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB67820-3	Limits
1868-53-7	Dibromofluoromethane	99%	99%	100%	79-120%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	99%	72-123%
2037-26-5	Toluene-D8	100%	101%	100%	78-119%
460-00-4	4-Bromofluorobenzene	97%	98%	98%	74-119%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB68173
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
JB68173-14DUP	3V11423.D	1	06/04/14	TDN	n/a	n/a	V3V486
JB68173-14	3V11421.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

CAS No.	Compound	JB68173-14 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	117		67.3		54* [a]	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)	ND		ND		nc	19
75-15-0	Carbon disulfide	23.9		20.9	J	13	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	ND		ND		nc	16

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB68173
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
JB68173-14DUP	3V11423.D	1	06/04/14	TDN	n/a	n/a	V3V486
JB68173-14	3V11421.D	1	06/04/14	TDN	n/a	n/a	V3V486

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

JB68173-1, JB68173-2, JB68173-6, JB68173-7, JB68173-8, JB68173-10, JB68173-13, JB68173-14

CAS No.	Compound	JB68173-14 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	8.1	J	ND		200* [a]	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	1.0	J	ND		200* [a]	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	JB68173-14	Limits
1868-53-7	Dibromofluoromethane	96%	98%	59-130%
17060-07-0	1,2-Dichloroethane-D4	102%	105%	65-123%
2037-26-5	Toluene-D8	104%	104%	77-125%
460-00-4	4-Bromofluorobenzene	116%	115%	71-132%

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

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB68173
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: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V1C5750-BFB	**Injection Date:**	06/05/14
Lab File ID:	1C128943.D	**Injection Time:**	09:34
Instrument ID:	GCMS1C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13643	19.4		Pass
75	30.0 - 60.0% of mass 95	33072	47.0		Pass
95	Base peak, 100% relative abundance	70397	100.0		Pass
96	5.0 - 9.0% of mass 95	4750	6.75		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	70037	99.5		Pass
175	5.0 - 9.0% of mass 174	5584	7.93	(7.97) [a]	Pass
176	95.0 - 101.0% of mass 174	68130	96.8	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4488	6.38	(6.59) [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
V1C5750-CC5716	1C128945.D	06/05/14	10:48	01:14	Continuing cal 20
V1C5750-MB	1C128947.D	06/05/14	11:46	02:12	Method Blank
V1C5750-BS	1C128948.D	06/05/14	12:14	02:40	Blank Spike
ZZZZZZ	1C128949.D	06/05/14	12:49	03:15	(unrelated sample)
JB67820-3	1C128950.D	06/05/14	13:16	03:42	(used for QC only; not part of job JB68173)
ZZZZZZ	1C128951.D	06/05/14	13:43	04:09	(unrelated sample)
ZZZZZZ	1C128952.D	06/05/14	14:10	04:36	(unrelated sample)
ZZZZZZ	1C128953.D	06/05/14	14:38	05:04	(unrelated sample)
ZZZZZZ	1C128954.D	06/05/14	15:05	05:31	(unrelated sample)
ZZZZZZ	1C128955.D	06/05/14	15:33	05:59	(unrelated sample)
JB67820-3MS	1C128956.D	06/05/14	16:00	06:26	Matrix Spike
JB67820-3MSD	1C128957.D	06/05/14	16:27	06:53	Matrix Spike Duplicate
ZZZZZZ	1C128958.D	06/05/14	16:55	07:21	(unrelated sample)
ZZZZZZ	1C128960.D	06/05/14	17:49	08:15	(unrelated sample)
JB68173-15	1C128961.D	06/05/14	18:16	08:42	317-FB-8
JB68173-16	1C128962.D	06/05/14	18:43	09:09	318-TB-7

Instrument Performance Check (BFB)

Job Number: JB68173
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: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V484-BFB	**Injection Date:**	06/02/14
Lab File ID:	3V11377.D	**Injection Time:**	08:32
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	12797	15.8		Pass
75	30.0 - 60.0% of mass 95	35000	43.2		Pass
95	Base peak, 100% relative abundance	81088	100.0		Pass
96	5.0 - 9.0% of mass 95	5332	6.58		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	73947	91.2		Pass
175	5.0 - 9.0% of mass 174	5582	6.88	(7.55) [a]	Pass
176	95.0 - 101.0% of mass 174	71245	87.9	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4712	5.81	(6.61) [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
V3V484-CC474	3V11378.D	06/02/14	09:23	00:51	Continuing cal 20
V3V484-MB1	3V11379.D	06/02/14	09:59	01:27	Method Blank
V3V484-BS	3V11380.D	06/02/14	10:46	02:14	Blank Spike
JB68023-10	3V11382.D	06/02/14	11:40	03:08	(used for QC only; not part of job JB68173)
ZZZZZZ	3V11383.D	06/02/14	12:06	03:34	(unrelated sample)
ZZZZZZ	3V11384.D	06/02/14	12:33	04:01	(unrelated sample)
JB68023-10MS	3V11385.D	06/02/14	13:00	04:28	Matrix Spike
JB68023-10MSD	3V11386.D	06/02/14	13:26	04:54	Matrix Spike Duplicate
ZZZZZZ	3V11388.D	06/02/14	14:20	05:48	(unrelated sample)
ZZZZZZ	3V11389.D	06/02/14	14:47	06:15	(unrelated sample)
ZZZZZZ	3V11390.D	06/02/14	15:13	06:41	(unrelated sample)
ZZZZZZ	3V11391.D	06/02/14	15:40	07:08	(unrelated sample)
ZZZZZZ	3V11392.D	06/02/14	16:07	07:35	(unrelated sample)
ZZZZZZ	3V11393.D	06/02/14	16:34	08:02	(unrelated sample)
ZZZZZZ	3V11394.D	06/02/14	17:00	08:28	(unrelated sample)
ZZZZZZ	3V11395.D	06/02/14	17:27	08:55	(unrelated sample)
ZZZZZZ	3V11396.D	06/02/14	17:54	09:22	(unrelated sample)
ZZZZZZ	3V11398.D	06/02/14	18:47	10:15	(unrelated sample)
JB68173-3	3V11401.D	06/02/14	20:07	11:35	305-PE-85

Instrument Performance Check (BFB)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V485-BFB	**Injection Date:**	06/03/14
Lab File ID:	3V11406.D	**Injection Time:**	14:14
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13071	16.4		Pass
75	30.0 - 60.0% of mass 95	34320	43.1		Pass
95	Base peak, 100% relative abundance	79592	100.0		Pass
96	5.0 - 9.0% of mass 95	5367	6.74		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	71531	89.9		Pass
175	5.0 - 9.0% of mass 174	5680	7.14	(7.94) [a]	Pass
176	95.0 - 101.0% of mass 174	69547	87.4	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	4544	5.71	(6.53) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3V485-CC474	3V11407.D	06/03/14	14:40	00:26	Continuing cal 50
V3V485-MB	3V11409.D	06/03/14	16:44	02:30	Method Blank
V3V485-BS	3V11410.D	06/03/14	17:11	02:57	Blank Spike
JB68173-9	3V11412.D	06/04/14	06:15	16:01	311-PE-91

Instrument Performance Check (BFB)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V486-BFB	**Injection Date:**	06/04/14
Lab File ID:	3V11414.D	**Injection Time:**	08:39
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11597	17.2		Pass
75	30.0 - 60.0% of mass 95	30440	45.2		Pass
95	Base peak, 100% relative abundance	67299	100.0		Pass
96	5.0 - 9.0% of mass 95	4495	6.68		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	56675	84.2		Pass
175	5.0 - 9.0% of mass 174	4525	6.72	(7.98) [a]	Pass
176	95.0 - 101.0% of mass 174	55528	82.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3765	5.59	(6.78) [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
V3V486-CC474	3V11417.D	06/04/14	10:34	01:55	Continuing cal 20
V3V486-MB1	3V11418.D	06/04/14	11:12	02:33	Method Blank
V3V486-BS	3V11419.D	06/04/14	11:50	03:11	Blank Spike
JB68173-14	3V11421.D	06/04/14	12:43	04:04	316-PE-43
JB68173-10	3V11422.D	06/04/14	13:10	04:31	312-PE-92
JB68173-14DUP	3V11423.D	06/04/14	13:49	05:10	Duplicate
JB68173-10MS	3V11424.D	06/04/14	14:16	05:37	Matrix Spike
JB68173-1	3V11426.D	06/04/14	15:09	06:30	303-PE-88
JB68173-2	3V11427.D	06/04/14	15:36	06:57	304-PE-84
JB68173-13	3V11432.D	06/04/14	17:49	09:10	315-DEC-4
JB68173-6	3V11435.D	06/04/14	19:09	10:30	308-PE-86
JB68173-7	3V11436.D	06/04/14	19:35	10:56	309-PE-77
JB68173-8	3V11437.D	06/04/14	20:02	11:23	310-PE-90

Instrument Performance Check (BFB)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V487-BFB	**Injection Date:**	06/05/14
Lab File ID:	3V11440.D	**Injection Time:**	08:31
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10535	15.4		Pass
75	30.0 - 60.0% of mass 95	29352	43.0		Pass
95	Base peak, 100% relative abundance	68291	100.0		Pass
96	5.0 - 9.0% of mass 95	4569	6.69		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	63792	93.4		Pass
175	5.0 - 9.0% of mass 174	4870	7.13	(7.63) [a]	Pass
176	95.0 - 101.0% of mass 174	62488	91.5	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	4150	6.08	(6.64) [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
V3V487-CC474	3V11442.D	06/05/14	10:07	01:36	Continuing cal 20
V3V487-MB1	3V11444.D	06/05/14	11:24	02:53	Method Blank
V3V487-BS	3V11445.D	06/05/14	11:50	03:19	Blank Spike
JB68467-1	3V11447.D	06/05/14	12:44	04:13	(used for QC only; not part of job JB68173)
JB68173-5	3V11448.D	06/05/14	13:25	04:54	307-PE-76
JB68173-4	3V11449.D	06/05/14	13:52	05:21	306-PE-75
JB68467-1MS	3V11450.D	06/05/14	14:19	05:48	Matrix Spike
JB68467-1MSD	3V11451.D	06/05/14	14:46	06:15	Matrix Spike Duplicate
ZZZZZZ	3V11453.D	06/05/14	15:39	07:08	(unrelated sample)
ZZZZZZ	3V11454.D	06/05/14	16:06	07:35	(unrelated sample)
ZZZZZZ	3V11455.D	06/05/14	16:32	08:01	(unrelated sample)
ZZZZZZ	3V11456.D	06/05/14	16:59	08:28	(unrelated sample)
JB68173-9	3V11457.D	06/05/14	17:26	08:55	311-PE-91
ZZZZZZ	3V11459.D	06/05/14	18:19	09:48	(unrelated sample)
ZZZZZZ	3V11460.D	06/05/14	18:46	10:15	(unrelated sample)
ZZZZZZ	3V11461.D	06/05/14	19:13	10:42	(unrelated sample)
JB68173-12	3V11462.D	06/05/14	19:40	11:09	314-PE-94
JB68173-11	3V11463.D	06/05/14	20:06	11:35	313-PE-93

Volatile Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V1C5750-CC5716	**Injection Date:**	06/05/14
Lab File ID:	1C128945.D	**Injection Time:**	10:48
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	129573	7.12	168210	9.62	260712	10.58	242617	13.94	146796	16.42
Upper Limit [a]	259146	7.62	336420	10.12	521424	11.08	485234	14.44	293592	16.92
Lower Limit [b]	64787	6.62	84105	9.12	130356	10.08	121309	13.44	73398	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
V1C5750-MB	117279	7.13	160112	9.63	244315	10.58	233317	13.94	143368	16.42
V1C5750-BS	124903	7.13	161490	9.63	248482	10.59	236565	13.94	141134	16.42
ZZZZZZ	128330	7.12	165045	9.62	249963	10.58	234669	13.94	140133	16.42
JB67820-3	119019	7.12	163759	9.63	249381	10.58	237024	13.94	142252	16.42
ZZZZZZ	111110	7.13	161228	9.63	248239	10.59	232065	13.94	139542	16.42
ZZZZZZ	120541	7.13	158319	9.63	240344	10.59	230008	13.94	139946	16.42
ZZZZZZ	139607	7.12	158940	9.63	241509	10.59	230425	13.94	140227	16.42
ZZZZZZ	129016	7.12	167967	9.62	254424	10.58	239080	13.94	143805	16.42
ZZZZZZ	126258	7.12	166579	9.63	252468	10.59	239270	13.94	144091	16.42
JB67820-3MS	131528	7.13	168518	9.63	258577	10.59	246658	13.94	148666	16.42
JB67820-3MSD	129845	7.13	162956	9.63	250215	10.59	237852	13.94	143475	16.42
ZZZZZZ	122249	7.12	169727	9.63	257392	10.58	243562	13.94	145806	16.42
ZZZZZZ	119285	7.12	170738	9.63	256524	10.59	241447	13.94	146538	16.42
JB68173-15	114959	7.12	170285	9.63	256110	10.58	242797	13.94	142803	16.42
JB68173-16	115116	7.12	166934	9.62	250899	10.58	235626	13.94	144704	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: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V484-CC474	**Injection Date:**	06/02/14
Lab File ID:	3V11378.D	**Injection Time:**	09:23
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	88889	7.30	177193	9.78	255963	10.75	232109	13.96	145266	16.32
Upper Limit [a]	177778	7.80	354386	10.28	511926	11.25	464218	14.46	290532	16.82
Lower Limit [b]	44445	6.80	88597	9.28	127982	10.25	116055	13.46	72633	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
V3V484-MB1	99823	7.32	174324	9.78	248976	10.75	232522	13.96	147074	16.32
V3V484-BS	88456	7.30	178144	9.78	254321	10.75	222240	13.96	141117	16.32
JB68023-10	109599	7.30	186689	9.79	272442	10.75	243909	13.96	141833	16.32
ZZZZZZ	80195	7.28	169874	9.78	243027	10.75	218560	13.96	133240	16.32
ZZZZZZ	77827	7.29	172028	9.79	244870	10.75	214833	13.96	118025	16.32
JB68023-10MS	75976	7.31	172811	9.79	248106	10.75	209127	13.96	120699	16.32
JB68023-10MSD	82695	7.30	181286	9.79	263726	10.75	230309	13.97	138119	16.32
ZZZZZZ	92035	7.31	182663	9.79	261972	10.75	225935	13.96	134873	16.32
ZZZZZZ	86627	7.30	178985	9.79	262103	10.75	241269	13.96	145119	16.32
ZZZZZZ	98311	7.30	176411	9.79	256982	10.75	234774	13.97	142804	16.32
ZZZZZZ	94296	7.30	168750	9.79	245473	10.75	225031	13.97	136691	16.32
ZZZZZZ	74388	7.30	172667	9.79	251420	10.75	224963	13.97	134791	16.32
ZZZZZZ	85752	7.31	176405	9.79	253189	10.75	227098	13.96	135550	16.32
ZZZZZZ	84636	7.30	171161	9.79	246832	10.75	226378	13.96	137644	16.32
ZZZZZZ	83898	7.29	181654	9.79	264399	10.75	239479	13.97	159120	16.32
ZZZZZZ	100869	7.31	207257	9.78	305171	10.75	268965	13.97	169887	16.32
ZZZZZZ	107787	7.30	227066	9.79	325860	10.75	292855	13.97	181455	16.32
JB68173-3	103017	7.30	211709	9.79	300182	10.75	273279	13.96	176065	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 Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V485-CC474	**Injection Date:**	06/03/14
Lab File ID:	3V11407.D	**Injection Time:**	14:40
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	92946	7.30	189636	9.79	273475	10.75	242192	13.96	150843	16.32
Upper Limit [a]	185892	7.80	379272	10.29	546950	11.25	484384	14.46	301686	16.82
Lower Limit [b]	46473	6.80	94818	9.29	136738	10.25	121096	13.46	75422	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
V3V485-MB	102668	7.30	172921	9.79	251268	10.75	232332	13.97	145575	16.32
V3V485-BS	93822	7.30	182674	9.79	264263	10.75	235297	13.96	138720	16.32
JB68173-9 [c]	92739	7.30	212917	9.78	312418	10.75	264499	13.96	159429	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.
(c) Sample analyzed outside the BFB time and reported as a confirmation run.

Volatile Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V486-CC474	**Injection Date:**	06/04/14
Lab File ID:	3V11417.D	**Injection Time:**	10:34
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	114399	7.30	174847	9.78	253817	10.75	235418	13.97	148348	16.32
Upper Limit [a]	228798	7.80	349694	10.28	507634	11.25	470836	14.47	296696	16.82
Lower Limit [b]	57200	6.80	87424	9.28	126909	10.25	117709	13.47	74174	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
V3V486-MB1	97075	7.28	158030	9.78	230492	10.75	214710	13.96	131486	16.32
V3V486-BS	109034	7.30	162618	9.78	237970	10.75	216001	13.96	134107	16.32
JB68173-14	99455	7.31	159675	9.79	234248	10.75	212092	13.97	118396	16.32
JB68173-10	88972	7.29	177478	9.79	260069	10.75	238656	13.96	143067	16.32
JB68173-14DUP	100722	7.30	166010	9.78	245874	10.75	221249	13.96	123616	16.32
JB68173-10MS	60311	7.28	155724	9.78	220551	10.75	189000	13.96	114289	16.32
JB68173-1	90772	7.28	167922	9.78	248214	10.75	229363	13.97	140105	16.32
JB68173-2	87399	7.30	170600	9.79	253221	10.75	233581	13.97	138018	16.32
JB68173-13	100265	7.31	192938	9.79	282034	10.75	264542	13.97	160499	16.33
JB68173-6	100278	7.31	203813	9.79	294404	10.75	274308	13.97	171873	16.32
JB68173-7	92832	7.31	206342	9.79	294611	10.75	276038	13.97	173035	16.32
JB68173-8	81827	7.30	203959	9.79	291407	10.75	269830	13.97	171147	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 Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V487-CC474	**Injection Date:**	06/05/14
Lab File ID:	3V11442.D	**Injection Time:**	10:07
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	100696	7.31	192742	9.78	271953	10.74	251981	13.96	158462	16.32
Upper Limit [a]	201392	7.81	385484	10.28	543906	11.24	503962	14.46	316924	16.82
Lower Limit [b]	50348	6.81	96371	9.28	135977	10.24	125991	13.46	79231	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
V3V487-MB1	108428	7.27	178514	9.78	256972	10.75	235515	13.96	153398	16.32
V3V487-BS	102461	7.31	189939	9.79	268378	10.75	242011	13.97	151412	16.32
JB68467-1	95747	7.31	191850	9.79	271504	10.75	253947	13.96	158415	16.32
JB68173-5	86617	7.28	173454	9.78	248619	10.75	229079	13.96	145210	16.32
JB68173-4	73837	7.30	187168	9.79	263616	10.75	238329	13.96	150299	16.32
JB68467-1MS	93238	7.30	199976	9.79	280529	10.75	253734	13.97	158114	16.32
JB68467-1MSD	92257	7.30	204209	9.79	290455	10.75	258024	13.96	157943	16.32
ZZZZZZ	62503	7.28	181347	9.79	249667	10.75	221578	13.96	133293	16.32
ZZZZZZ	98520	7.29	188283	9.79	268591	10.75	235637	13.96	149834	16.32
ZZZZZZ	83521	7.30	174471	9.79	247413	10.75	226935	13.96	141063	16.32
ZZZZZZ	76394	7.30	175825	9.79	247350	10.75	225638	13.97	136848	16.32
JB68173-9 [c]	85782	7.27	166328	9.78	238839	10.75	221759	13.97	132654	16.32
ZZZZZZ	89588	7.29	170391	9.79	244591	10.75	225158	13.96	141052	16.32
ZZZZZZ	95328	7.31	165389	9.79	237689	10.75	208491	13.97	118093	16.32
ZZZZZZ	113700	7.28	159110	9.78	229015	10.75	212310	13.96	122294	16.32
JB68173-12	78204	7.30	164494	9.79	238318	10.75	221848	13.96	150751	16.32
JB68173-11	96883	7.30	187918	9.78	273192	10.75	265564	13.96	176904	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.
(c) Sample prepared from intact soil jar and reported per client's request.

Volatile Surrogate Recovery Summary

Job Number: JB68173
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
JB68173-15	1C128961.D	98	91	100	99
JB68173-16	1C128962.D	97	92	99	95
JB67820-3MS	1C128956.D	99	96	100	97
JB67820-3MSD	1C128957.D	99	95	101	98
V1C5750-BS	1C128948.D	100	97	100	97
V1C5750-MB	1C128947.D	100	97	101	95

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: JB68173
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
JB68173-1	3V11426.D	91	95	104	109
JB68173-2	3V11427.D	93	96	105	113
JB68173-3	3V11401.D	86	81	102	101
JB68173-4	3V11449.D	88	83	101	104
JB68173-5	3V11448.D	89	86	102	103
JB68173-6	3V11435.D	87	83	103	106
JB68173-7	3V11436.D	86	81	104	103
JB68173-8	3V11437.D	85	80	103	102
JB68173-9	3V11457.D	88	86	104	110
JB68173-9	3V11412.D	89	89	99	108
JB68173-10	3V11422.D	94	97	105	110
JB68173-11	3V11463.D	87	86	108	105
JB68173-12	3V11462.D	89	90	104	99
JB68173-13	3V11432.D	89	92	109	105
JB68173-14	3V11421.D	98	105	104	115
JB68023-10MS	3V11385.D	92	87	98	109
JB68023-10MSD	3V11386.D	92	88	99	107
JB68173-10MS	3V11424.D	89	86	102	108
JB68173-14DUP	3V11423.D	96	102	104	116
JB68467-1MS	3V11450.D	87	78	102	103
JB68467-1MSD	3V11451.D	86	79	100	104
V3V484-BS	3V11380.D	88	86	101	105
V3V484-MB1	3V11379.D	88	89	103	102
V3V486-BS	3V11419.D	91	95	102	107
V3V486-MB1	3V11418.D	89	94	105	108
V3V487-BS	3V11445.D	87	84	101	104
V3V487-MB1	3V11444.D	87	84	102	100

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: JB68173 **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												

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: JB68173 **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: JB68173 **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

Job Number: JB68173 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY


```
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: JB68173 **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: JB68173 **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

Job Number: JB68173 **Sample:** V1C5716-ICV5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128188.D
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: JB68173 **Sample:** V1C5750-CC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128945.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1C...c5750-5751\1C128945.D Vial: 3
Acq On : 5 Jun 2014 10:48 am Operator: mariceld
Sample : cc5716-20 Inst : MS1C
Misc : MS68235,V1C5750,5,,,,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	94	-0.01	7.12
2		tertiary butyl alcohol	1.225	1.206	1.6	84	-0.01	7.25
3		1,4-dioxane	0.096	0.082	14.6	70	0.00	11.35
4	I	pentafluorobenzene	1.000	1.000	0.0	109	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	0.661	-25.0#	131	-0.02	3.49
10		dichlorodifluoromethane	0.838	0.807	3.7	100	0.00	3.48
11	m	Freon 142b		----------NA----------				
12		chloromethane	1.106	0.931	15.8	93	-0.01	3.79
13		vinyl chloride	0.973	0.896	7.9	96	-0.02	4.04
14		bromomethane	0.594	0.564	5.1	101	0.00	4.70
15		chloroethane	0.415	0.387	6.7	98	0.00	4.90
16		PENTANE		----------NA----------				
17		1,3-BUTADIENE		----------NA----------				
18		vinyl bromide		----------NA----------				
19		trichlorofluoromethane	0.949	0.961	-1.3	106	0.00	5.41
20		ethyl ether	0.327	0.321	1.8	100	0.00	5.86
21		freon 123a		----------NA----------				
22		acrolein	0.167	0.147	12.0	91	0.00	6.13
23		1,1-dichloroethene	0.551	0.551	0.0	104	-0.01	6.30
24		acetone	0.266	0.283	-6.4	118	0.00	6.40
25		acetonitrile	0.080	0.067	16.2	78	0.00	6.89
26		allyl chloride	0.291	0.293	-0.7	101	0.00	6.90
27		iodomethane	1.098	1.106	-0.7	106	-0.01	6.59
28		carbon disulfide	2.096	2.076	1.0	108	0.00	6.72
29		2-CHLOROPROPANE	1.159	1.133	2.2	101	0.00	6.05
30		methylene chloride	0.645	0.628	2.6	103	-0.01	7.12
31		methyl acetate	0.609	0.616	-1.1	102	0.00	6.91
32		methyl tert butyl ether	1.922	1.879	2.2	103	-0.01	7.49
33		trans-1,2-dichloroethene	0.562	0.580	-3.2	106	0.00	7.54
		----------	True	Calc.	% Drift	----------		
34		1-CHLOROPROPANE	20.000	18.687	6.6	99	0.00	7.15
		----------	AvgRF	CCRF	% Dev	----------		
35		di-isopropyl ether	2.171	2.168	0.1	104	0.00	8.19
36		2-butanone	0.085	0.087	-2.4	102	0.00	9.01
37		1,1-dichloroethane	1.148	1.133	1.3	102	0.00	8.19

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V1C5750-CC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128945.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		chloroprene	0.846	0.874	-3.3	109	0.00	8.31
39		acrylonitrile	0.292	0.286	2.1	100	0.00	7.50
40		vinyl acetate	0.102	0.091	10.8	97	0.00	8.21
41		ethyl tert-butyl ether	2.003	2.030	-1.3	106	0.00	8.71
42		ethyl acetate	0.119	0.113	5.0	93	0.00	9.04
43		2,2-dichloropropane	0.898	0.943	-5.0	112	0.00	9.01
44		cis-1,2-dichloroethene	0.623	0.644	-3.4	106	0.00	9.02
45		propionitrile	0.120	0.115	4.2	95	0.00	9.11
46		methylacrylate	0.840	0.792	5.7	94	0.00	9.11
47		bromochloromethane	0.318	0.324	-1.9	104	0.00	9.36
48		tetrahydrofuran	0.104	0.099	4.8	96	0.00	9.41
49		chloroform	0.664	0.679	-2.3	106	0.00	9.43
50		T-BUTYL FORMATE	0.611	0.580	5.1	99	0.00	9.46
51		isobutyl alcohol	0.049	0.041	16.3	82	0.00	9.96
52	S	dibromofluoromethane (s)	0.587	0.567	3.4	112	0.00	9.65
53	S	1,2-dichloroethane-d4 (s)	0.681	0.662	2.8	109	0.00	10.09
54		freon 113	0.415	0.486	-17.1	119	0.00	6.29
55		methacrylonitrile	0.290	0.279	3.8	97	0.00	9.31
56		1,1,1-trichloroethane	0.885	0.916	-3.5	107	0.00	9.69
57		Cyclohexane	0.923	0.893	3.3	102	0.00	9.75
58	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	10.58
59		ISO-OCTANE	1.621	1.504	7.2	99	0.00	10.17
60		epichlorohydrin	0.059	0.053	10.2	93	0.00	11.92
61		n-butyl alcohol	0.020	0.016	20.0	80	0.00	10.76
62		carbon tetrachloride	0.530	0.535	-0.9	107	0.00	9.90
63		1,1-dichloropropene	0.519	0.518	0.2	102	0.00	9.88
64		hexane	0.454	0.483	-6.4	114	0.00	7.89
65		benzene	1.579	1.527	3.3	104	0.00	10.16
66		tert-amyl methyl ether	1.301	1.247	4.2	101	0.00	10.22
67		heptane	0.287	0.292	-1.7	106	0.00	10.37
68		isopropyl acetate	1.192	1.103	7.5	100	0.00	10.13
69		1,2-dichloroethane	0.518	0.523	-1.0	103	0.00	10.19
70		trichloroethene	0.378	0.383	-1.3	104	0.00	10.93
71		2-nitropropane	0.188	0.181	3.7	101	0.00	11.77
72		2-chloroethyl vinyl ether	0.276	0.291	-5.4	109	0.00	11.80
73		methyl methacrylate	0.110	0.101	8.2	96	0.00	11.25
74		1,2-dichloropropane	0.427	0.414	3.0	101	0.00	11.21
75		dibromomethane	0.257	0.254	1.2	101	0.00	11.38
76		methylcyclohexane	0.639	0.649	-1.6	110	0.00	11.15
77		bromodichloromethane	0.533	0.532	0.2	105	0.00	11.53
78		ETHYL ACRYLATE		----------NA----------				
79		cis-1,3-dichloropropene	0.666	0.656	1.5	102	0.00	12.02
80	S	toluene-d8 (s)	1.401	1.342	4.2	113	0.00	12.32
81		4-methyl-2-pentanone	0.221	0.195	11.8	91	0.00	12.13
82		toluene	0.941	0.910	3.3	105	0.00	12.39
83		3-methyl-1-butanol	0.033	0.026	21.2#	82	0.00	12.18
84		trans-1,3-dichloropropene	0.637	0.599	6.0	99	0.00	12.63
85		ethyl methacrylate	0.590	0.530	10.2	93	0.00	12.63
86		1,1,2-trichloroethane	0.327	0.304	7.0	99	0.00	12.85
87		2-hexanone	0.206	0.186	9.7	92	0.00	13.05
88	I	chlorobenzene-d5	1.000	1.000	0.0	111	0.00	13.94
89		tetrachloroethene	0.361	0.366	-1.4	108	0.00	13.02
90		1,3-dichloropropane	0.667	0.623	6.6	96	0.00	13.05
91		butyl acetate	0.373	0.318	14.7	89	0.00	13.14
92		3,3-DIMETHYL-1-BUTANOL	0.081	0.067	17.3	86	0.00	13.25
93		dibromochloromethane	0.495	0.465	6.1	101	0.00	13.32
94		1,2-dibromoethane	0.427	0.400	6.3	98	0.00	13.48
95		chlorobenzene	1.161	1.110	4.4	103	0.00	13.97

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V1C5750-CC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128945.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

96		1,1,1,2-tetrachloroethane	0.474	0.458	3.4	105	0.00	14.05
97		ethylbenzene	2.026	1.938	4.3	104	0.00	14.04
98		m,p-xylene	0.759	0.727	4.2	104	0.00	14.16
99		o-xylene	0.785	0.760	3.2	106	0.00	14.60
100		styrene	1.284	1.243	3.2	103	0.00	14.62
101		Butyl Acrylate		----------NA----------				
102		bromoform	0.408	0.380	6.9	99	0.00	14.89
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	16.42
104		isopropylbenzene	3.411	3.351	1.8	107	0.00	14.97
105	S	4-bromofluorobenzene (s)	0.984	0.912	7.3	110	0.00	15.19
106		cyclohexanone	0.069	0.059	14.5	83	0.00	15.15
107		bromobenzene	0.920	0.907	1.4	104	0.00	15.38
108		1,1,2,2-tetrachloroethane	1.219	1.090	10.6	95	0.00	15.31
109		trans-1,4-dichloro-2-bute	0.334	0.313	6.3	94	0.00	15.35
110		1,2,3-trichloropropane	0.285	0.254	10.9	94	0.00	15.38
111		n-propylbenzene	3.979	3.832	3.7	104	0.00	15.40
112		2-chlorotoluene	0.850	0.824	3.1	103	0.00	15.56
113		4-chlorotoluene	2.494	2.360	5.4	102	0.00	15.66
114		1,3,5-trimethylbenzene	2.964	2.880	2.8	105	0.00	15.56
115		tert-butylbenzene	2.525	2.470	2.2	104	0.00	15.93
116		pentachloroethane	0.631	0.649	-2.9	107	0.00	16.02
117		1,2,4-trimethylbenzene	2.949	2.834	3.9	104	0.00	15.98
118		sec-butylbenzene	3.946	3.850	2.4	104	0.00	16.16
119		1,3-dichlorobenzene	1.858	1.774	4.5	104	0.00	16.36
120		p-isopropyltoluene	3.304	3.224	2.4	103	0.00	16.29
121		1,2,3-trimethylbenzene		----------NA----------				
122		1,4-dichlorobenzene	1.922	1.798	6.5	102	0.00	16.45
123		benzyl chloride	2.393	2.339	2.3	105	0.00	16.57
124		1,2-dichlorobenzene	1.874	1.800	3.9	103	0.00	16.87
125		n-butylbenzene	1.725	1.695	1.7	103	0.00	16.72
126		1,2-dibromo-3-chloropropa	0.247	0.229	7.3	93	0.00	17.70
127		1,3,5-trichlorobenzene	1.595	1.682	-5.5	109	0.00	17.89
128		1,2,4-trichlorobenzene	1.459	1.531	-4.9	110	0.00	18.58
129		hexachlorobutadiene	0.769	0.823	-7.0	108	0.00	18.70
130		naphthalene	3.831	3.675	4.1	100	0.00	18.87
131		1,2,3-trichlorobenzene	1.397	1.393	0.3	105	0.00	19.13
132		hexachloroethane	0.620	0.644	-3.9	104	0.00	17.14

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

1C128182.D M1C5716.M Fri Jun 06 08:40:19 2014 RPT1

Initial Calibration Summary

Job Number: JB68173 **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: JB68173 **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: JB68173 **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: JB68173 **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: JB68173 **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
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Initial Calibration Verification

Job Number: JB68173 **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: JB68173 **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: JB68173 **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: JB68173 **Sample:** V3V484-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11378.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11378.D Vial: 2
Acq On : 2 Jun 2014 9:23 am Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS68345,V3V484,5,,,,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	87	-0.01	7.30
2		1,4-dioxane	0.127	0.137	-7.9	98	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.431	-6.9	93	-0.02	7.43
5	I	pentafluorobenzene	1.000	1.000	0.0	116	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	20.647	-3.2	125	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.127	15.1	94	0.00	3.53
8		chloromethane	1.143	1.036	9.4	104	0.00	3.85
9		vinyl chloride	1.231	1.168	5.1	108	0.00	4.12
10		bromomethane	0.781	0.747	4.4	106	0.00	4.80
11		chloroethane	0.406	0.518	-27.6#	137	0.00	4.99
12		trichlorofluoromethane	1.355	1.345	0.7	110	0.00	5.51
13		ethyl ether	0.251	0.255	-1.6	106	0.00	5.96
14		2-chloropropane	0.971	1.097	-13.0	125	0.00	6.18
15		acrolein	0.101	0.105	-4.0	112	0.00	6.28
16		1,1-dichloroethene	0.677	0.682	-0.7	110	0.00	6.43
17		acetone	0.177	0.179	-1.1	95	0.00	6.54
18		allyl chloride	0.309	0.311	-0.6	107	0.00	7.05
19		acetonitrile	0.044	0.044	0.0	108	0.00	7.07
20		iodomethane	1.414	1.451	-2.6	108	0.00	6.74
21		iso-butyl alcohol	0.019	0.018	5.3	95	-0.01	10.14
22		carbon disulfide	2.498	2.836	-13.5	119	0.00	6.85
23		methylene chloride	0.795	0.791	0.5	115	0.00	7.28
24		1-chloropropane	1.082	1.098	-1.5	112	0.00	7.30
25		methyl acetate	0.071	0.072	-1.4	105	0.00	7.06
26		methyl tert butyl ether	1.628	1.656	-1.7	103	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.694	3.1	108	0.00	7.69
28		di-isopropyl ether	1.711	1.871	-9.4	121	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.777	-3.6	113	0.00	8.86
30		2-butanone	0.056	0.054	3.6	93	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.206	-9.9	113	-0.01	8.35
32		chloroprene	0.724	0.805	-11.2	121	0.00	8.46
33		acrylonitrile	0.161	0.167	-3.7	102	0.00	7.70
34		vinyl acetate	0.062	0.057	8.1	98	0.00	8.37
35		ethyl acetate	0.055	0.054	1.8	103	0.00	9.20
36		2,2-dichloropropane	1.110	1.208	-8.8	115	-0.01	9.18
37		cis-1,2-dichloroethene	0.817	0.727	11.0	104	0.00	9.19

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V484-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11378.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.069	2.8	98	0.00	9.32
39		methyl acrylate	0.466	0.445	4.5	98	0.00	9.28
40		bromochloromethane	0.337	0.327	3.0	100	0.00	9.54
41		tetrahydrofuran	0.149	0.147	1.3	99	0.00	9.57
42		chloroform	1.191	1.148	3.6	107	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.561	11.4	103	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.481	13.2	99	0.00	10.27
45		freon 113	0.604	0.639	-5.8	120	0.00	6.41
46		methacrylonitrile	0.231	0.225	2.6	100	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.175	-6.0	112	0.00	9.85
48		tert-amyl methyl ether	1.714	1.666	2.8	107	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.75
50		epichlorohydrin	0.028	0.028	0.0	102	0.00	12.07
51		n-butyl alcohol	0.011	0.011	0.0	91	0.00	10.94
52	M	cyclohexane	0.652	0.767	-17.6	116	0.00	9.91
53		carbon tetrachloride	0.661	0.738	-11.6	110	0.00	10.06
54		1,1-dichloropropene	0.519	0.578	-11.4	111	0.00	10.04
55		hexane	0.413	0.521	-26.2#	132	0.00	8.02
56		ISOOCTANE	1.472	1.663	-13.0	125	0.00	10.31
57	M	benzene	1.558	1.696	-8.9	111	0.00	10.33
58		heptane	0.252	0.315	-25.0#	123	0.00	10.51
59		isopropyl acetate	0.736	0.787	-6.9	110	0.00	10.29
60		1,2-dichloroethane	0.437	0.464	-6.2	104	0.00	10.37
61		trichloroethene	0.407	0.439	-7.9	107	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.617	-18.7	123	0.00	11.93
64		2-chloroethyl vinyl ether	0.143	0.185	-29.4#	126	0.00	11.94
65		methyl methacrylate	0.258	0.310	-20.2#	126	0.00	11.29
66		1,2-dichloropropane	0.375	0.414	-10.4	109	0.00	11.37
67		methylcyclohexane	0.671	0.787	-17.3	123	0.00	11.29
68		dibromomethane	0.236	0.244	-3.4	101	0.00	11.54
69		bromodichloromethane	0.498	0.510	-2.4	102	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.589	-6.3	105	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.269	-2.5	110	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.115	0.0	93	0.00	12.25
73		toluene	0.910	0.938	-3.1	108	0.00	12.49
74		3-methyl-1-butanol	0.010	0.009	10.0	86	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.507	-7.6	102	0.00	12.72
76		ethyl methacrylate	0.351	0.347	1.1	97	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.265	-3.9	102	0.00	12.94
78		2-hexanone	0.105	0.103	1.9	92	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	13.96
80		tetrachloroethene	0.464	0.501	-8.0	103	0.00	13.07
81		1,3-dichloropropane	0.470	0.511	-8.7	101	0.00	13.12
82		butyl acetate	0.194	0.205	-5.7	95	0.00	13.19
83		dibromochloromethane	0.430	0.444	-3.3	100	0.00	13.39
84		1,2-dibromoethane	0.336	0.354	-5.4	96	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.230	-9.1	105	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.491	-6.3	102	0.00	14.07
88		ethylbenzene	1.964	2.147	-9.3	108	0.00	14.05
89		m,p-xylene	0.770	0.815	-5.8	106	0.00	14.16
90		o-xylene	0.748	0.822	-9.9	104	0.00	14.60
91		styrene	1.141	1.282	-12.4	103	0.00	14.61
92		bromoform	0.314	0.316	-0.6	94	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	16.32
94		isopropylbenzene	3.160	3.566	-12.8	104	0.00	14.94

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V484-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11378.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.887	-1.1	102	0.00	15.17
96		bromobenzene	0.872	0.948	-8.7	102	0.00	15.36
97		cyclohexanone	0.123	0.116	5.7	73	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.911	-11.6	99	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.198	-8.8	100	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.189	-7.4	95	0.00	15.36
101		n-propylbenzene	3.811	4.423	-16.1	108	0.00	15.36
102		2-chlorotoluene	0.819	0.945	-15.4	105	0.00	15.51
103		4-chlorotoluene	2.362	2.633	-11.5	106	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.081	-12.4	104	0.00	15.52
105		tert-butylbenzene	2.254	2.305	-2.3	100	0.00	15.86
106		pentachloroethane	0.587	0.588	-0.2	99	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.044	-5.0	100	0.00	15.91
108		sec-butylbenzene	3.759	4.210	-12.0	105	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.951	-5.7	101	0.00	16.27
110		p-isopropyltoluene	3.109	3.539	-13.8	104	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.970	-5.7	102	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.897	-4.1	99	0.00	16.73
113		n-butylbenzene	1.776	2.049	-15.4	105	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.170	7.1	89	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.869	-2.5	98	0.00	17.63
116		1,2,4-trichlorobenzene	1.708	1.727	-1.1	97	0.00	18.21
117		hexachlorobutadiene	0.890	0.952	-7.0	101	0.00	18.30
118		naphthalene	3.405	3.271	3.9	90	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.607	-0.6	95	0.00	18.69
120		hexachloroethane	0.672	0.678	-0.9	103	0.00	16.96
121		Benzyl chloride	1.615	1.690	-4.6	100	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11189.D M3V474.M Tue Jun 03 16:23:41 2014 GCMS3V

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V485-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11407.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11407.D Vial: 2
Acq On : 3 Jun 2014 2:40 pm Operator: thienn
Sample : cc474-50 Inst : MS3V
Misc : MS68397,V3V485,5,,,,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	111	0.00	7.30
2		1,4-dioxane	0.127	0.146	-15.0	122	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.493	-11.5	123	-0.02	7.44
5	I	pentafluorobenzene	1.000	1.000	0.0	124	0.00	9.79
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	50.000	55.111	-10.2	132	0.02	3.56
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.457	-9.7	131	0.00	3.54
8		chloromethane	1.143	1.479	-29.4#	157	0.02	3.87
9		vinyl chloride	1.231	1.509	-22.6#	146	0.02	4.14
10		bromomethane	0.781	0.949	-21.5#	149	0.02	4.82
11		chloroethane	0.406	0.529	-30.3#	157	0.02	5.00
12		trichlorofluoromethane	1.355	1.441	-6.3	129	0.01	5.52
13		ethyl ether	0.251	0.267	-6.4	130	0.00	5.97
14		2-chloropropane	0.971	1.054	-8.5	134	0.01	6.19
15		acrolein	0.101	0.115	-13.9	156	0.00	6.29
16		1,1-dichloroethene	0.677	0.664	1.9	123	0.00	6.44
17		acetone	0.177	0.149	15.8	122	0.01	6.55
18		allyl chloride	0.309	0.293	5.2	119	0.00	7.05
19		acetonitrile	0.044	0.044	0.0	127	0.00	7.07
20		iodomethane	1.414	1.470	-4.0	123	0.00	6.75
21		iso-butyl alcohol	0.019	0.020	-5.3	137	0.00	10.15
22		carbon disulfide	2.498	2.728	-9.2	129	0.00	6.87
23		methylene chloride	0.795	0.761	4.3	129	0.00	7.29
24		1-chloropropane	1.082	1.006	7.0	133	0.00	7.31
25		methyl acetate	0.071	0.073	-2.8	127	0.01	7.06
26		methyl tert butyl ether	1.628	1.741	-6.9	126	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.684	4.5	122	0.00	7.70
28		di-isopropyl ether	1.711	1.915	-11.9	131	0.00	8.33
29		ethyl tert-butyl ether	1.716	2.034	-18.5	136	0.00	8.86
30		2-butanone	0.056	0.059	-5.4	133	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.187	-8.2	128	0.00	8.36
32		chloroprene	0.724	0.787	-8.7	125	0.00	8.47
33		acrylonitrile	0.161	0.172	-6.8	132	0.00	7.70
34		vinyl acetate	0.062	0.062	0.0	117	0.00	8.36
35		ethyl acetate	0.055	0.063	-14.5	146	0.00	9.20
36		2,2-dichloropropane	1.110	1.091	1.7	115	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.773	5.4	128	0.00	9.20

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V485-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11407.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.078	-9.9	141	0.00	9.32
39		methyl acrylate	0.466	0.519	-11.4	143	0.00	9.28
40		bromochloromethane	0.337	0.362	-7.4	128	0.00	9.54
41		tetrahydrofuran	0.149	0.170	-14.1	145	0.00	9.57
42		chloroform	1.191	1.231	-3.4	129	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.558	11.8	112	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.478	13.7	110	0.00	10.28
45		freon 113	0.604	0.590	2.3	118	0.01	6.41
46		methacrylonitrile	0.231	0.267	-15.6	146	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.165	-5.0	122	0.00	9.85
48		tert-amyl methyl ether	1.714	1.872	-9.2	130	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	119	0.00	10.75
50		epichlorohydrin	0.028	0.029	-3.6	127	0.00	12.07
51		n-butyl alcohol	0.011	0.013	-18.2	135	0.00	10.93
52	M	cyclohexane	0.652	0.745	-14.3	127	0.00	9.91
53		carbon tetrachloride	0.661	0.723	-9.4	119	0.00	10.06
54		1,1-dichloropropene	0.519	0.595	-14.6	128	0.00	10.04
55		hexane	0.413	0.444	-7.5	124	0.00	8.02
56		ISOOCTANE	1.472	1.751	-19.0	131	0.00	10.31
57	M	benzene	1.558	1.757	-12.8	130	0.00	10.33
58		heptane	0.252	0.265	-5.2	116	0.00	10.51
59		isopropyl acetate	0.736	0.867	-17.8	138	0.00	10.29
60		1,2-dichloroethane	0.437	0.504	-15.3	130	0.00	10.37
61		trichloroethene	0.407	0.451	-10.8	124	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.698	-34.2#	159	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.209	-46.2#	159	0.00	11.94
65		methyl methacrylate	0.258	0.310	-20.2#	135	0.00	11.29
66		1,2-dichloropropane	0.375	0.441	-17.6	132	0.00	11.37
67		methylcyclohexane	0.671	0.773	-15.2	125	0.00	11.29
68		dibromomethane	0.236	0.267	-13.1	127	0.00	11.54
69		bromodichloromethane	0.498	0.571	-14.7	126	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.637	-15.0	126	0.00	12.14
71	S	toluene-d8 (s)	1.238	1.259	-1.7	118	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.134	-16.5	137	0.00	12.25
73		toluene	0.910	0.956	-5.1	123	0.00	12.49
74		3-methyl-1-butanol	0.010	0.011	-10.0	124	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.545	-15.7	126	0.00	12.72
76		ethyl methacrylate	0.351	0.405	-15.4	133	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.291	-14.1	128	0.00	12.94
78		2-hexanone	0.105	0.117	-11.4	136	0.00	13.11
79	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	13.96
80		tetrachloroethene	0.464	0.509	-9.7	117	0.00	13.08
81		1,3-dichloropropane	0.470	0.569	-21.1#	128	0.00	13.12
82		butyl acetate	0.194	0.234	-20.6#	135	0.00	13.19
83		dibromochloromethane	0.430	0.503	-17.0	123	0.00	13.39
84		1,2-dibromoethane	0.336	0.399	-18.8	125	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.293	-14.7	122	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.544	-17.7	121	0.00	14.07
88		ethylbenzene	1.964	2.218	-12.9	122	0.00	14.05
89		m,p-xylene	0.770	0.840	-9.1	119	0.00	14.16
90		o-xylene	0.748	0.893	-19.4	121	0.00	14.60
91		styrene	1.141	1.412	-23.8#	124	0.00	14.61
92		bromoform	0.314	0.366	-16.6	123	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	16.32
94		isopropylbenzene	3.160	3.768	-19.2	118	0.00	14.94

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V485-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11407.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.915	-4.3	115	0.00	15.16
96		bromobenzene	0.872	1.018	-16.7	121	0.00	15.36
97		cyclohexanone	0.123	0.043	65.0#	43#	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.991	-21.4#	127	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.210	-15.4	126	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.205	-16.5	122	0.00	15.36
101		n-propylbenzene	3.811	4.493	-17.9	119	0.00	15.36
102		2-chlorotoluene	0.819	0.971	-18.6	117	0.00	15.52
103		4-chlorotoluene	2.362	2.729	-15.5	121	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.304	-20.6#	118	0.00	15.52
105		tert-butylbenzene	2.254	2.612	-15.9	119	0.00	15.86
106		pentachloroethane	0.587	0.680	-15.8	118	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.336	-15.1	119	0.00	15.91
108		sec-butylbenzene	3.759	4.415	-17.5	116	0.00	16.07
109		1,3-dichlorobenzene	1.846	2.048	-10.9	117	0.00	16.27
110		p-isopropyltoluene	3.109	3.690	-18.7	115	0.00	16.19
111		1,4-dichlorobenzene	1.863	2.035	-9.2	116	0.00	16.35
112		1,2-dichlorobenzene	1.823	2.046	-12.2	119	0.00	16.73
113		n-butylbenzene	1.776	2.025	-14.0	115	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.194	-6.0	121	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.948	-6.8	110	0.00	17.62
116		1,2,4-trichlorobenzene	1.708	1.833	-7.3	111	0.00	18.21
117		hexachlorobutadiene	0.890	0.968	-8.8	109	0.00	18.30
118		naphthalene	3.405	3.819	-12.2	120	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.769	-10.8	114	0.00	18.69
120		hexachloroethane	0.672	0.770	-14.6	118	0.00	16.96
121		Benzyl chloride	1.615	1.431	11.4	94	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11190.D M3V474.M Mon Jun 09 09:46:01 2014 GCMS3V

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V486-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11417.D Vial: 4
Acq On : 4 Jun 2014 10:34 am Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS68397,V3V486,5,,,,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	112	-0.01	7.30
2		1,4-dioxane	0.127	0.090	29.1#	83	0.01	11.52
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.286	4.0	108	0.00	7.45
5	I	pentafluorobenzene	1.000	1.000	0.0	114	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	17.161	14.2	107	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.323	0.4	109	0.00	3.53
8		chloromethane	1.143	1.230	-7.6	122	0.00	3.86
9		vinyl chloride	1.231	1.335	-8.4	122	0.00	4.12
10		bromomethane	0.781	0.833	-6.7	117	0.00	4.81
11		chloroethane	0.406	0.473	-16.5	123	0.00	4.99
12		trichlorofluoromethane	1.355	1.385	-2.2	112	0.00	5.52
13		ethyl ether	0.251	0.276	-10.0	113	0.00	5.97
14		2-chloropropane	0.971	1.111	-14.4	125	0.00	6.18
15		acrolein	0.101	0.128	-26.7#	135	0.00	6.29
16		1,1-dichloroethene	0.677	0.646	4.6	103	0.00	6.43
17		acetone	0.177	0.199	-12.4	105	0.00	6.54
18		allyl chloride	0.309	0.305	1.3	104	0.00	7.05
19		acetonitrile	0.044	0.052	-18.2	124	0.00	7.06
20		iodomethane	1.414	1.386	2.0	102	0.00	6.74
21		iso-butyl alcohol	0.019	0.023	-21.1#	119	-0.01	10.14
22		carbon disulfide	2.498	2.666	-6.7	111	0.00	6.86
23		methylene chloride	0.795	0.804	-1.1	116	0.00	7.28
24		1-chloropropane	1.082	1.173	-8.4	118	0.00	7.30
25		methyl acetate	0.071	0.079	-11.3	114	0.00	7.05
26		methyl tert butyl ether	1.628	1.850	-13.6	114	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.679	5.2	104	0.00	7.69
28		di-isopropyl ether	1.711	1.899	-11.0	121	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.820	-6.1	114	0.00	8.85
30		2-butanone	0.056	0.058	-3.6	101	0.00	9.19
31	M	1,1-dichloroethane	1.097	1.234	-12.5	114	0.00	8.36
32		chloroprene	0.724	0.755	-4.3	112	0.00	8.47
33		acrylonitrile	0.161	0.201	-24.8#	122	0.00	7.70
34		vinyl acetate	0.062	0.061	1.6	104	0.00	8.36
35		ethyl acetate	0.055	0.062	-12.7	115	0.00	9.20
36		2,2-dichloropropane	1.110	1.173	-5.7	110	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.716	12.4	101	0.00	9.19

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V486-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.085	-19.7	119	-0.01	9.31
39		methyl acrylate	0.466	0.541	-16.1	118	0.00	9.28
40		bromochloromethane	0.337	0.342	-1.5	103	0.00	9.54
41		tetrahydrofuran	0.149	0.187	-25.5#	125	0.00	9.57
42		chloroform	1.191	1.162	2.4	107	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.571	9.8	104	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.522	5.8	106	0.00	10.27
45		freon 113	0.604	0.562	7.0	104	0.00	6.40
46		methacrylonitrile	0.231	0.276	-19.5	122	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.154	-4.1	108	0.00	9.85
48		tert-amyl methyl ether	1.714	1.706	0.5	109	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	10.75
50		epichlorohydrin	0.028	0.032	-14.3	116	0.00	12.07
51		n-butyl alcohol	0.011	0.013	-18.2	109	0.00	10.93
52	M	cyclohexane	0.652	0.741	-13.7	111	0.00	9.90
53		carbon tetrachloride	0.661	0.710	-7.4	105	0.00	10.06
54		1,1-dichloropropene	0.519	0.566	-9.1	108	0.00	10.04
55		hexane	0.413	0.470	-13.8	118	0.00	8.02
56		ISOOCTANE	1.472	1.521	-3.3	113	0.00	10.30
57	M	benzene	1.558	1.672	-7.3	109	0.00	10.33
58		heptane	0.252	0.278	-10.3	108	0.00	10.50
59		isopropyl acetate	0.736	0.827	-12.4	115	0.00	10.29
60		1,2-dichloroethane	0.437	0.493	-12.8	109	0.00	10.37
61		trichloroethene	0.407	0.430	-5.7	104	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.688	-32.3#	136	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.200	-39.9#	135	0.00	11.94
65		methyl methacrylate	0.258	0.304	-17.8	123	0.00	11.28
66		1,2-dichloropropane	0.375	0.429	-14.4	112	0.00	11.37
67		methylcyclohexane	0.671	0.719	-7.2	112	0.00	11.29
68		dibromomethane	0.236	0.254	-7.6	104	0.00	11.54
69		bromodichloromethane	0.498	0.544	-9.2	108	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.627	-13.2	110	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.274	-2.9	110	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.143	-24.3#	115	0.00	12.25
73		toluene	0.910	0.976	-7.3	112	0.00	12.49
74		3-methyl-1-butanol	0.010	0.011	-10.0	106	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.548	-16.3	110	0.00	12.72
76		ethyl methacrylate	0.351	0.409	-16.5	113	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.283	-11.0	108	0.00	12.94
78		2-hexanone	0.105	0.136	-29.5#	121	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.97
80		tetrachloroethene	0.464	0.470	-1.3	98	0.00	13.07
81		1,3-dichloropropane	0.470	0.555	-18.1	111	0.00	13.12
82		butyl acetate	0.194	0.234	-20.6#	110	0.00	13.19
83		dibromochloromethane	0.430	0.460	-7.0	105	0.00	13.39
84		1,2-dibromoethane	0.336	0.387	-15.2	107	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.208	-7.2	105	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.482	-4.3	102	0.00	14.06
88		ethylbenzene	1.964	2.174	-10.7	111	0.00	14.05
89		m,p-xylene	0.770	0.861	-11.8	113	0.00	14.16
90		o-xylene	0.748	0.860	-15.0	110	0.00	14.60
91		styrene	1.141	1.308	-14.6	107	0.00	14.61
92		bromoform	0.314	0.346	-10.2	104	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	16.32
94		isopropylbenzene	3.160	3.529	-11.7	105	0.00	14.94

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V486-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.936	-6.7	110	0.00	15.17
96		bromobenzene	0.872	0.934	-7.1	103	0.00	15.36
97		cyclohexanone	0.123	0.102	17.1	65	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.988	-21.1#	110	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.234	-28.6#	121	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.206	-17.0	106	0.00	15.36
101		n-propylbenzene	3.811	4.373	-14.7	109	0.00	15.36
102		2-chlorotoluene	0.819	0.912	-11.4	104	0.00	15.52
103		4-chlorotoluene	2.362	2.639	-11.7	108	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.098	-13.1	107	0.00	15.52
105		tert-butylbenzene	2.254	2.277	-1.0	101	0.00	15.86
106		pentachloroethane	0.587	0.585	0.3	100	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.324	-14.7	111	0.00	15.91
108		sec-butylbenzene	3.759	4.120	-9.6	105	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.934	-4.8	102	0.00	16.27
110		p-isopropyltoluene	3.109	3.451	-11.0	103	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.936	-3.9	102	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.926	-5.7	103	0.00	16.73
113		n-butylbenzene	1.776	1.999	-12.6	105	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.209	-14.2	112	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.886	-3.4	101	0.00	17.62
116		1,2,4-trichlorobenzene	1.708	1.777	-4.0	102	0.00	18.21
117		hexachlorobutadiene	0.890	0.903	-1.5	98	0.00	18.30
118		naphthalene	3.405	3.863	-13.5	109	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.671	-4.6	101	0.00	18.69
120		hexachloroethane	0.672	0.696	-3.6	108	0.00	16.96
121		Benzyl chloride	1.615	1.725	-6.8	104	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11189.D M3V474.M Wed Jun 04 15:45:24 2014 GCMS3V

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V487-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11442.D Vial: 3
Acq On : 5 Jun 2014 10:07 am Operator: thienn
Sample : cc474-20 Inst : MS3V
Misc : MS68397,V3V487,5,,,,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	99	0.00	7.31
2		1,4-dioxane	0.127	0.130	-2.4	106	0.00	11.51
3		Ethanol		----------NA----------				
4	M	tertiary butyl alcohol	1.339	1.363	-1.8	101	0.00	7.45
5	I	pentafluorobenzene	1.000	1.000	0.0	126	0.00	9.78
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	20.000	16.792	16.0	116	0.00	3.55
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.173	11.7	107	0.00	3.54
8		chloromethane	1.143	1.062	7.1	116	0.00	3.85
9		vinyl chloride	1.231	1.164	5.4	117	0.00	4.12
10		bromomethane	0.781	0.744	4.7	115	0.00	4.80
11		chloroethane	0.406	0.420	-3.4	121	0.00	4.99
12		trichlorofluoromethane	1.355	1.252	7.6	111	0.00	5.51
13		ethyl ether	0.251	0.233	7.2	105	0.00	5.96
14		2-chloropropane	0.971	0.904	6.9	112	0.00	6.18
15		acrolein	0.101	0.109	-7.9	127	0.00	6.28
16		1,1-dichloroethene	0.677	0.582	14.0	102	0.00	6.42
17		acetone	0.177	0.147	16.9	86	0.01	6.55
18		allyl chloride	0.309	0.267	13.6	100	0.00	7.05
19		acetonitrile	0.044	0.042	4.5	111	0.00	7.06
20		iodomethane	1.414	1.281	9.4	104	0.00	6.74
21		iso-butyl alcohol	0.019	0.018	5.3	105	0.00	10.14
22		carbon disulfide	2.498	2.321	7.1	106	0.00	6.85
23		methylene chloride	0.795	0.702	11.7	111	0.00	7.28
24		1-chloropropane	1.082	0.926	14.4	103	0.00	7.30
25		methyl acetate	0.071	0.073	-2.8	116	0.00	7.05
26		methyl tert butyl ether	1.628	1.569	3.6	106	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.620	13.4	105	0.00	7.69
28		di-isopropyl ether	1.711	1.739	-1.6	122	0.00	8.33
29		ethyl tert-butyl ether	1.716	1.737	-1.2	120	0.00	8.86
30		2-butanone	0.056	0.048	14.3	91	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.050	4.3	107	0.00	8.36
32		chloroprene	0.724	0.724	0.0	118	0.00	8.47
33		acrylonitrile	0.161	0.158	1.9	105	-0.01	7.69
34		vinyl acetate	0.062	0.058	6.5	109	-0.01	8.36
35		ethyl acetate	0.055	0.052	5.5	107	-0.01	9.19
36		2,2-dichloropropane	1.110	1.032	7.0	107	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.655	19.8	102	0.00	9.19

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V487-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.067	5.6	104	-0.01	9.31
39		methyl acrylate	0.466	0.429	7.9	103	0.00	9.28
40		bromochloromethane	0.337	0.310	8.0	103	0.00	9.54
41		tetrahydrofuran	0.149	0.146	2.0	107	0.00	9.57
42		chloroform	1.191	1.021	14.3	103	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.539	14.8	108	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.457	17.5	102	0.00	10.27
45		freon 113	0.604	0.591	2.2	120	0.00	6.40
46		methacrylonitrile	0.231	0.220	4.8	107	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.011	8.8	104	0.00	9.85
48		tert-amyl methyl ether	1.714	1.629	5.0	114	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	115	0.00	10.74
50		epichlorohydrin	0.028	0.029	-3.6	113	0.00	12.07
51		n-butyl alcohol	0.011	0.012	-9.1	103	0.00	10.93
52	M	cyclohexane	0.652	0.666	-2.1	107	0.00	9.91
53		carbon tetrachloride	0.661	0.650	1.7	103	0.00	10.06
54		1,1-dichloropropene	0.519	0.517	0.4	105	-0.01	10.04
55		hexane	0.413	0.477	-15.5	128	0.00	8.02
56		ISOOCTANE	1.472	1.501	-2.0	120	0.00	10.30
57	M	benzene	1.558	1.545	0.8	107	0.00	10.33
58		heptane	0.252	0.281	-11.5	116	0.00	10.50
59		isopropyl acetate	0.736	0.754	-2.4	112	0.00	10.29
60		1,2-dichloroethane	0.437	0.435	0.5	103	0.00	10.37
61		trichloroethene	0.407	0.400	1.7	104	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.625	-20.2#	132	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.192	-34.3#	139	0.00	11.94
65		methyl methacrylate	0.258	0.278	-7.8	120	0.00	11.28
66		1,2-dichloropropane	0.375	0.387	-3.2	108	0.00	11.37
67		methylcyclohexane	0.671	0.728	-8.5	121	0.00	11.29
68		dibromomethane	0.236	0.232	1.7	102	0.00	11.54
69		bromodichloromethane	0.498	0.490	1.6	104	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.566	-2.2	107	0.00	12.14
71	S	toluene-d8 (s)	1.238	1.263	-2.0	116	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.120	-4.3	104	0.00	12.25
73		toluene	0.910	0.876	3.7	107	0.00	12.49
74		3-methyl-1-butanol	0.010	0.010	0.0	101	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.494	-4.9	106	0.00	12.72
76		ethyl methacrylate	0.351	0.355	-1.1	105	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.264	-3.5	108	0.00	12.94
78		2-hexanone	0.105	0.107	-1.9	102	0.00	13.11
79	I	chlorobenzene-d5	1.000	1.000	0.0	115	0.00	13.96
80		tetrachloroethene	0.464	0.468	-0.9	105	0.00	13.07
81		1,3-dichloropropane	0.470	0.494	-5.1	106	0.00	13.12
82		butyl acetate	0.194	0.209	-7.7	105	0.00	13.19
83		dibromochloromethane	0.430	0.429	0.2	104	0.00	13.39
84		1,2-dibromoethane	0.336	0.347	-3.3	103	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.153	-2.3	107	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.459	0.6	104	0.00	14.07
88		ethylbenzene	1.964	1.978	-0.7	108	0.00	14.05
89		m,p-xylene	0.770	0.758	1.6	107	0.00	14.16
90		o-xylene	0.748	0.778	-4.0	107	0.00	14.60
91		styrene	1.141	1.230	-7.8	108	0.00	14.61
92		bromoform	0.314	0.315	-0.3	102	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	16.32
94		isopropylbenzene	3.160	3.298	-4.4	105	0.00	14.94

Continuing Calibration Summary

Job Number: JB68173 **Sample:** V3V487-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11442.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	0.899	-2.5	113	0.00	15.16
96		bromobenzene	0.872	0.900	-3.2	106	0.00	15.36
97		cyclohexanone	0.123	0.052	57.7#	36#	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.854	-4.7	102	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.188	-3.3	104	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.185	-5.1	102	0.00	15.36
101		n-propylbenzene	3.811	4.033	-5.8	108	0.00	15.36
102		2-chlorotoluene	0.819	0.871	-6.3	106	0.00	15.51
103		4-chlorotoluene	2.362	2.451	-3.8	107	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	2.884	-5.3	106	0.00	15.52
105		tert-butylbenzene	2.254	2.189	2.9	104	0.00	15.86
106		pentachloroethane	0.587	0.567	3.4	104	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	2.922	-0.8	105	0.00	15.91
108		sec-butylbenzene	3.759	3.884	-3.3	105	0.00	16.07
109		1,3-dichlorobenzene	1.846	1.875	-1.6	106	0.00	16.27
110		p-isopropyltoluene	3.109	3.295	-6.0	105	0.00	16.19
111		1,4-dichlorobenzene	1.863	1.860	0.2	105	0.00	16.35
112		1,2-dichlorobenzene	1.823	1.829	-0.3	104	0.00	16.73
113		n-butylbenzene	1.776	1.852	-4.3	104	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.167	8.7	96	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	1.817	0.4	104	0.00	17.63
116		1,2,4-trichlorobenzene	1.708	1.688	1.2	104	0.00	18.21
117		hexachlorobutadiene	0.890	0.873	1.9	101	0.00	18.30
118		naphthalene	3.405	3.377	0.8	101	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.577	1.3	102	0.00	18.69
120		hexachloroethane	0.672	0.629	6.4	105	0.00	16.96
121		Benzyl chloride	1.615	1.649	-2.1	106	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11189.D M3V474.M Thu Jun 05 16:23:55 2014 GCMS3V

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11426.D
Acq On : 4 Jun 2014 3:09 pm
Operator : thienn
Sample : jb68173-1
Misc : MS68397,V3V486,6.2,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 15:52:42 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

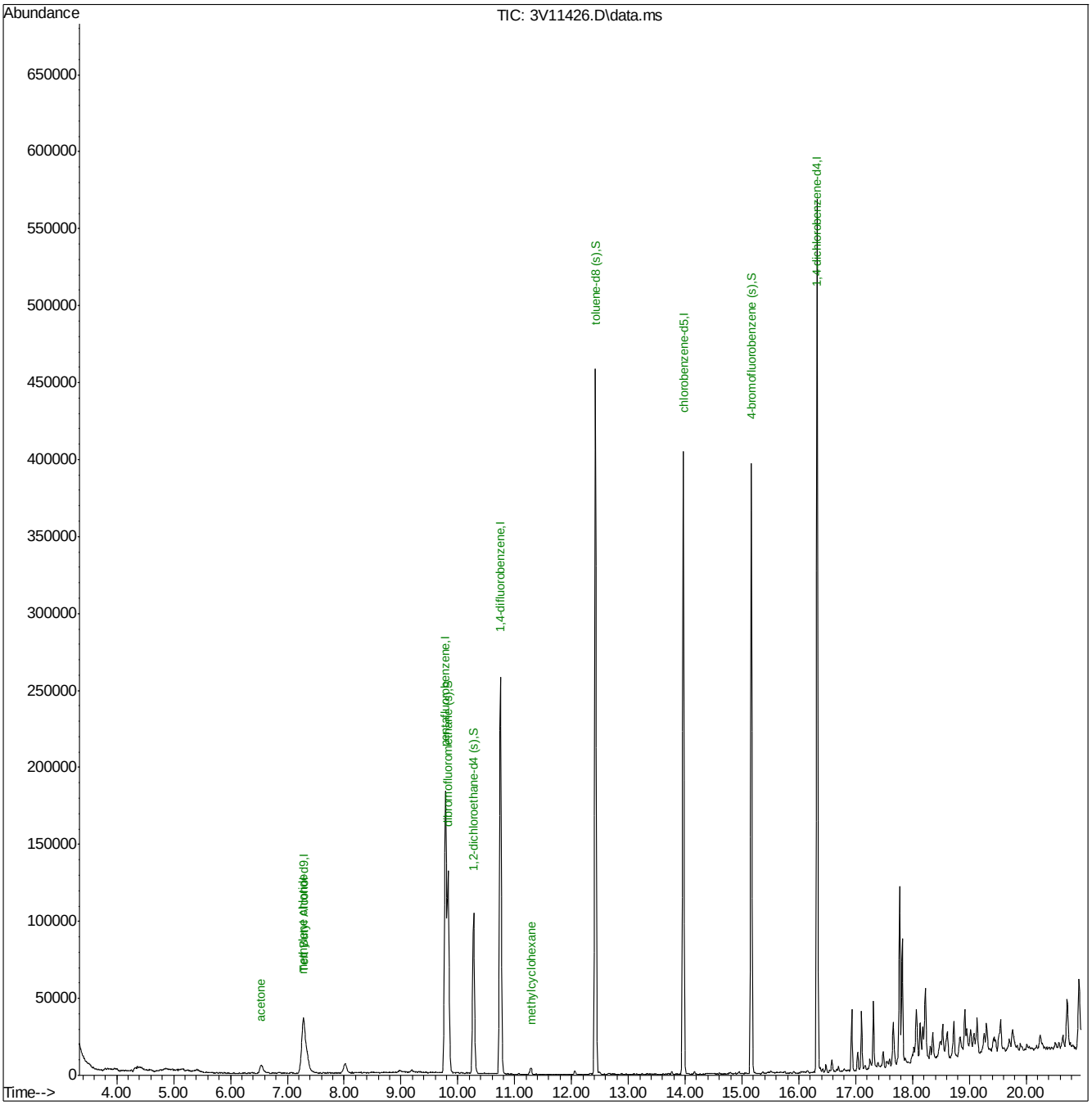
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.285	65	90772	500.00	ug/L	-0.02
5) pentafluorobenzene	9.781	168	167922	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	248214	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	229363	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	140105	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	97131	45.71	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.42%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	88587	47.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 95.24%			
71) toluene-d8 (s)	12.418	98	321149	52.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.48%			
95) 4-bromofluorobenzene (s)	15.165	95	133434	54.32	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.64%			
Target Compounds						Qvalue
17) acetone	6.535	43	16293	27.41	ug/L	98
23) methylene chloride	7.280	84	11044	4.14	ug/L	89
67) methylcyclohexane	11.296	83	2005	0.60	ug/L	90

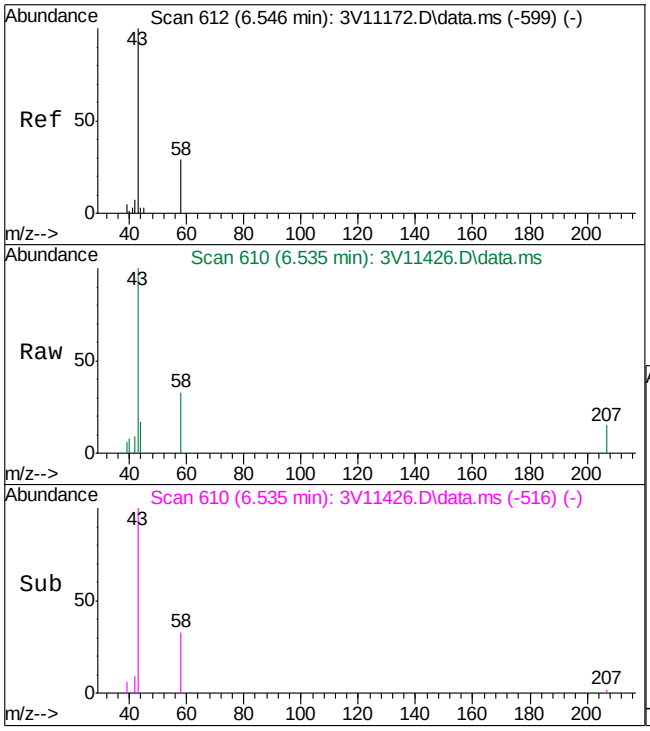
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11426.D
Acq On : 4 Jun 2014 3:09 pm
Operator : thienn
Sample : jb68173-1
Misc : MS68397,V3V486,6.2,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 15:52:42 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

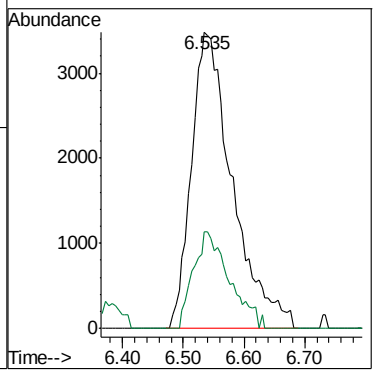


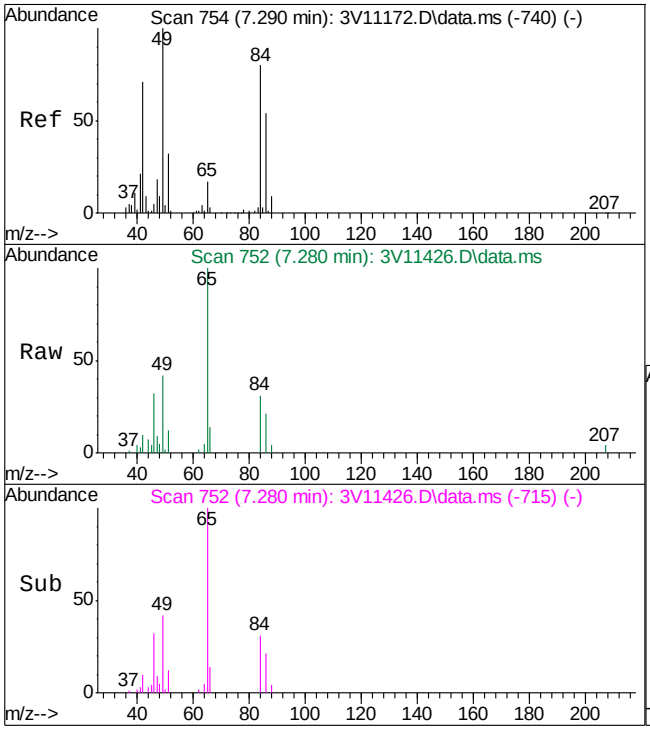


#17
acetone
Concen: 27.41 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11426.D
Acq: 4 Jun 2014 3:09 pm

Tgt Ion: 43 Resp: 16293

Ion	Ratio	Lower	Upper
43	100		
58	32.7	3.8	63.8

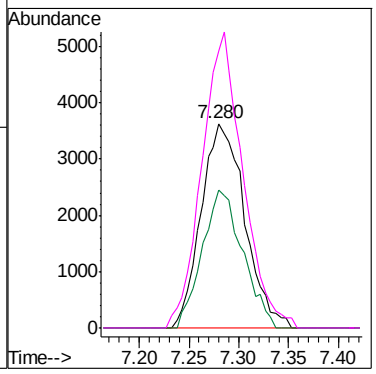


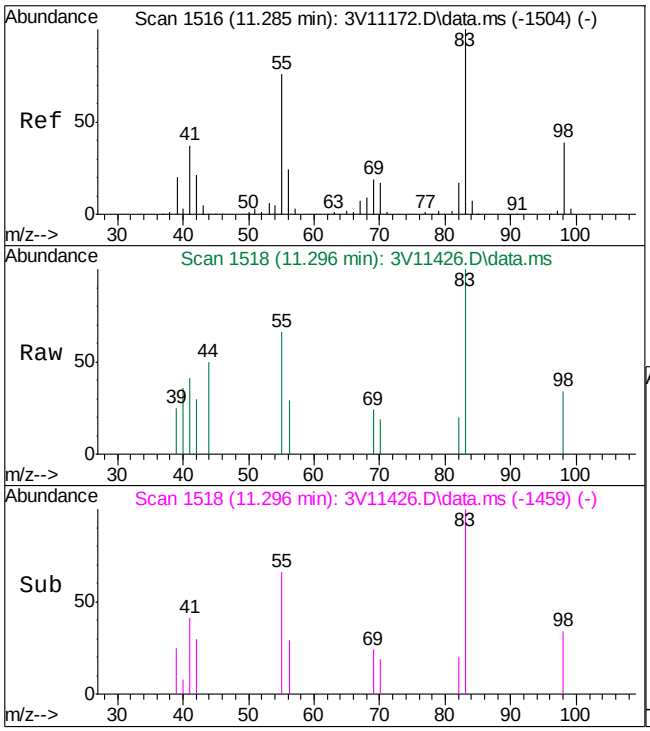


#23
methylene chloride
Concen: 4.14 ug/L
RT: 7.280 min Scan# 752
Delta R.T. -0.005 min
Lab File: 3V11426.D
Acq: 4 Jun 2014 3:09 pm

Tgt Ion: 84 Resp: 11044

Ion	Ratio	Lower	Upper
84	100		
86	67.7	44.9	83.5
49	135.2	83.8	155.6

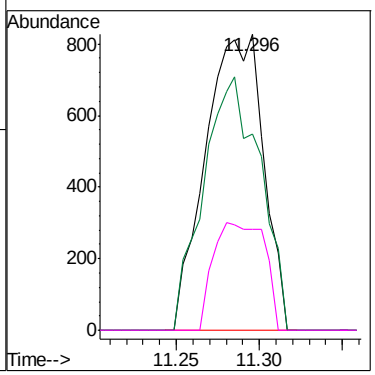




#67
methylcyclohexane
Concen: 0.60 ug/L
RT: 11.296 min Scan# 1518
Delta R.T. 0.011 min
Lab File: 3V11426.D
Acq: 4 Jun 2014 3:09 pm

Tgt Ion: 83 Resp: 2005

Ion	Ratio	Lower	Upper
83	100		
55	66.3	46.1	106.1
98	34.2	8.8	68.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11427.D
Acq On : 4 Jun 2014 3:36 pm
Operator : thienn
Sample : jb68173-2
Misc : MS68397,V3V486,6.5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 11:08:08 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

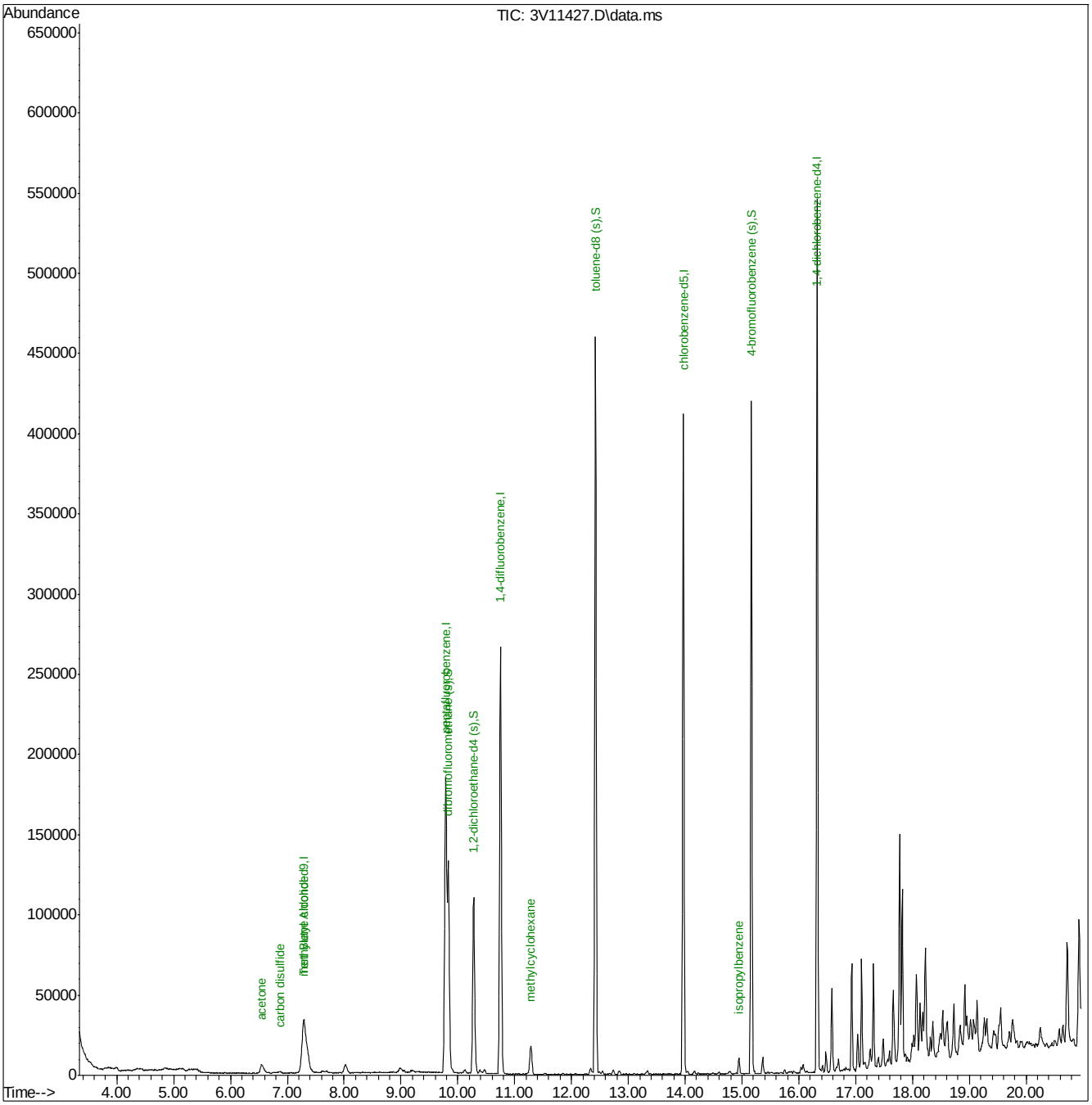
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	87399	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	170600	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	253221	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	233581	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	138018	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	100481	46.55	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.10%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	90948	48.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 96.24%			
71) toluene-d8 (s)	12.418	98	328280	52.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.70%			
95) 4-bromofluorobenzene (s)	15.165	95	137178	56.69	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 113.38%			
Target Compounds						Qvalue
17) acetone	6.545	43	16384	27.13	ug/L	91
22) carbon disulfide	6.865	76	2711	0.32	ug/L	83
23) methylene chloride	7.285	84	9641	3.56	ug/L	86
67) methylcyclohexane	11.285	83	9457	2.78	ug/L	89
94) isopropylbenzene	14.945	105	7824	0.90	ug/L	98

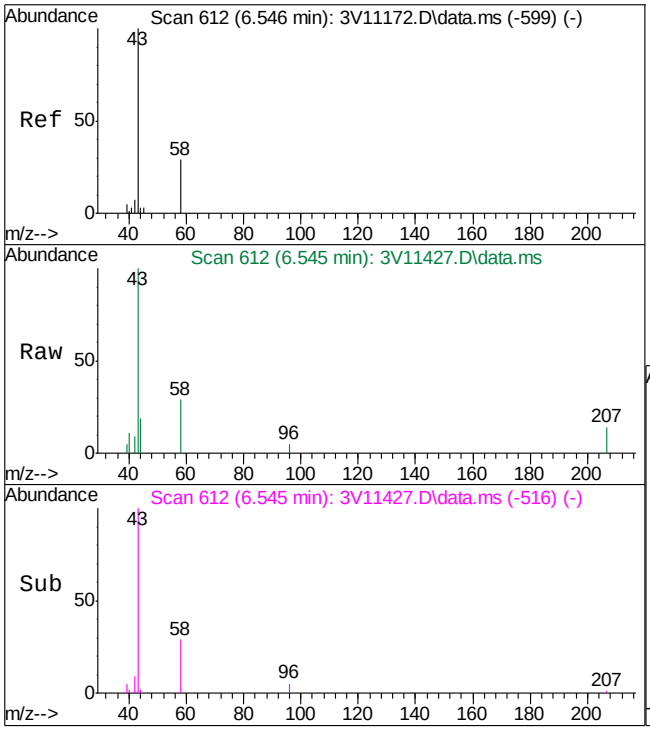
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11427.D
Acq On : 4 Jun 2014 3:36 pm
Operator : thienn
Sample : jb68173-2
Misc : MS68397,V3V486,6.5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 11:08:08 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

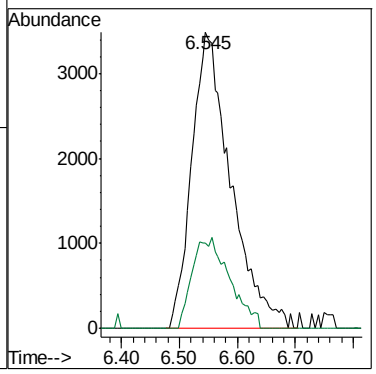


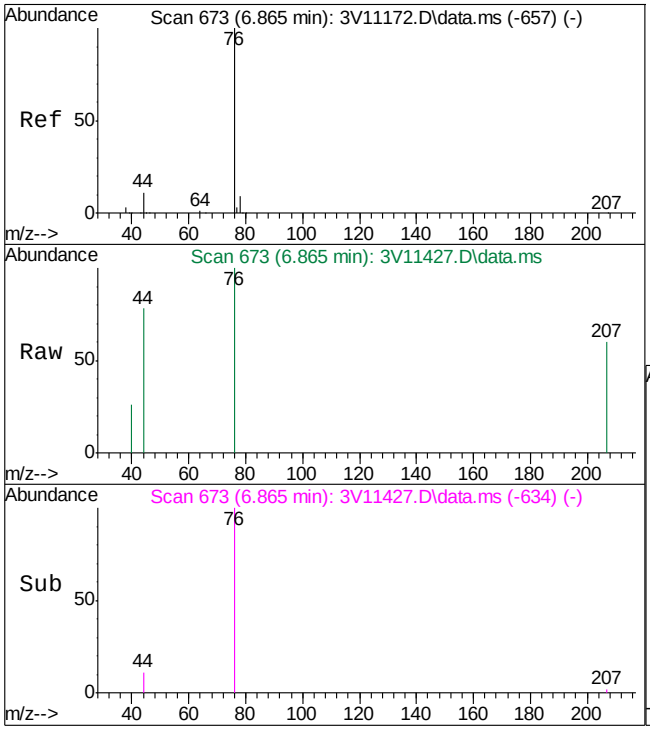


#17
acetone
Concen: 27.13 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11427.D
Acq: 4 Jun 2014 3:36 pm

Tgt Ion: 43 Resp: 16384

Ion	Ratio	Lower	Upper
43	100		
58	28.8	3.8	63.8

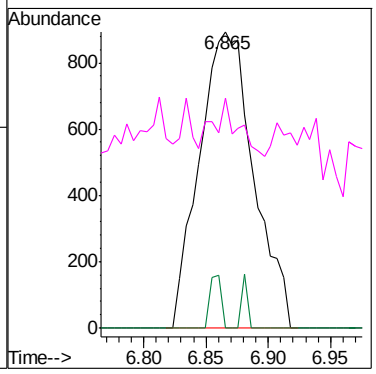


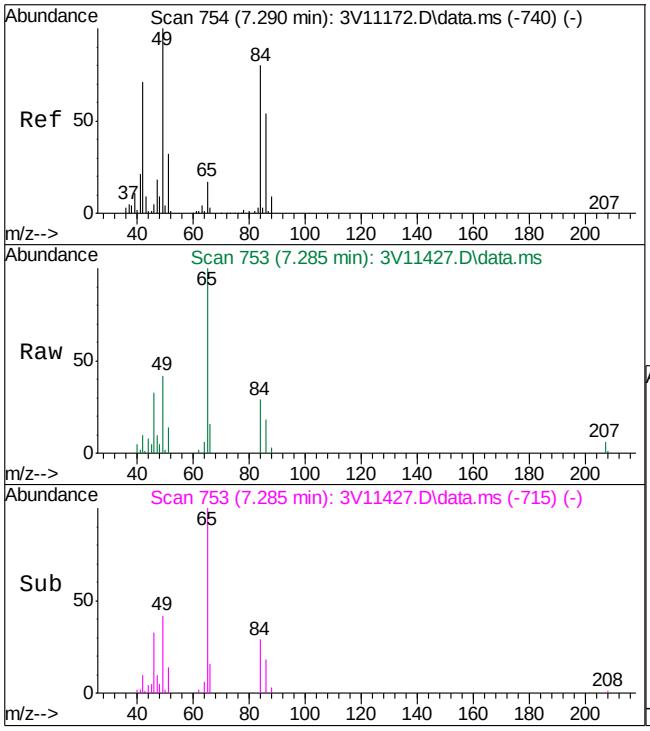


#22
carbon disulfide
Concen: 0.32 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11427.D
Acq: 4 Jun 2014 3:36 pm

Tgt Ion: 76 Resp: 2711

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.0
44	14.9	0.0	40.7

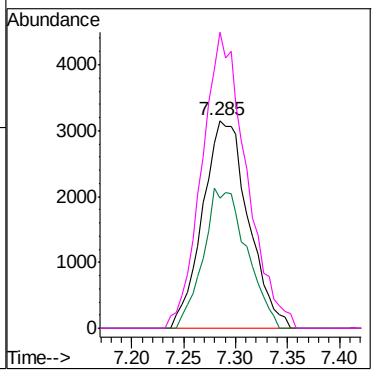


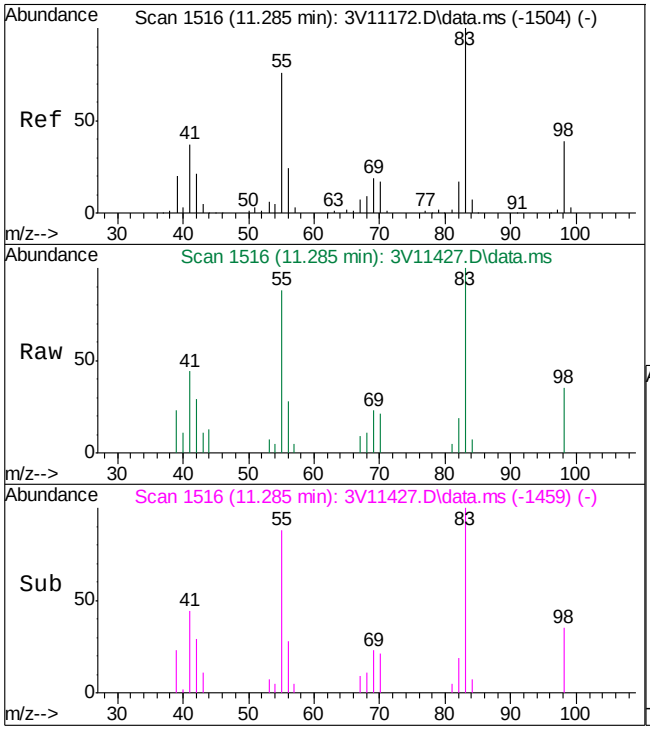


#23
methylene chloride
Concen: 3.56 ug/L
RT: 7.285 min Scan# 753
Delta R.T. -0.000 min
Lab File: 3V11427.D
Acq: 4 Jun 2014 3:36 pm

Tgt Ion: 84 Resp: 9641

Ion	Ratio	Lower	Upper
84	100		
86	62.3	44.9	83.5
49	142.4	83.8	155.6

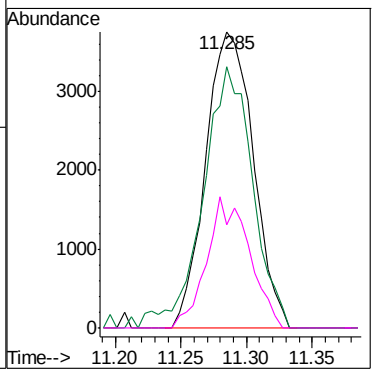


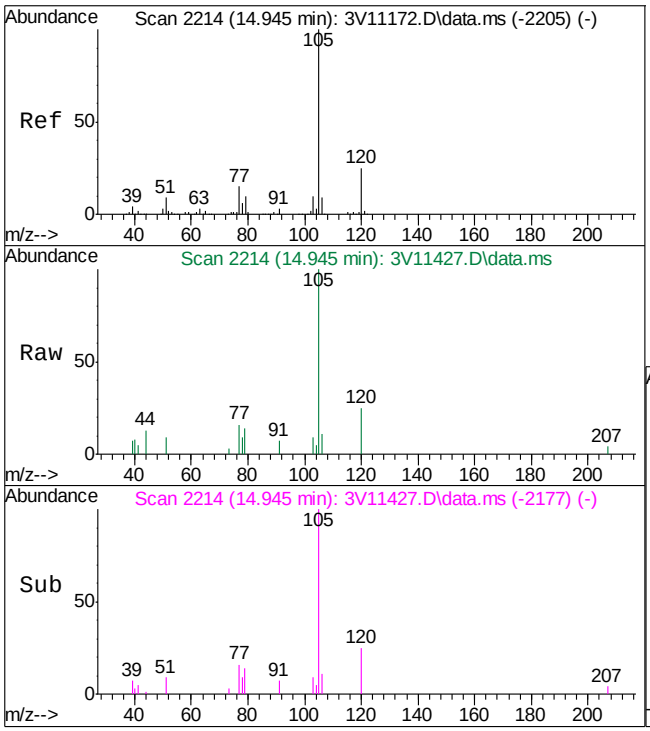


#67
methylcyclohexane
Concen: 2.78 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11427.D
Acq: 4 Jun 2014 3:36 pm

Tgt Ion: 83 Resp: 9457

Ion	Ratio	Lower	Upper
83	100		
55	88.3	46.1	106.1
98	35.0	8.8	68.8

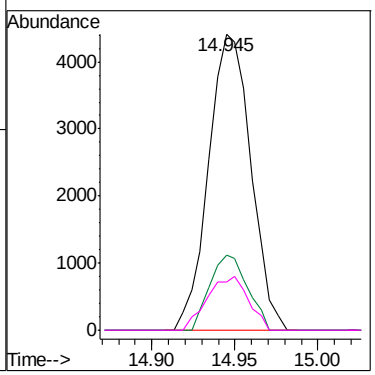




#94
isopropylbenzene
Concen: 0.90 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11427.D
Acq: 4 Jun 2014 3:36 pm

Tgt Ion:105 Resp: 7824

Ion	Ratio	Lower	Upper
105	100		
120	25.5	0.0	55.7
77	16.5	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11401.D
Acq On : 2 Jun 2014 8:07 pm
Operator : thienn
Sample : jb68173-3
Misc : MS68397,V3V484,6.1,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 03 17:00:28 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

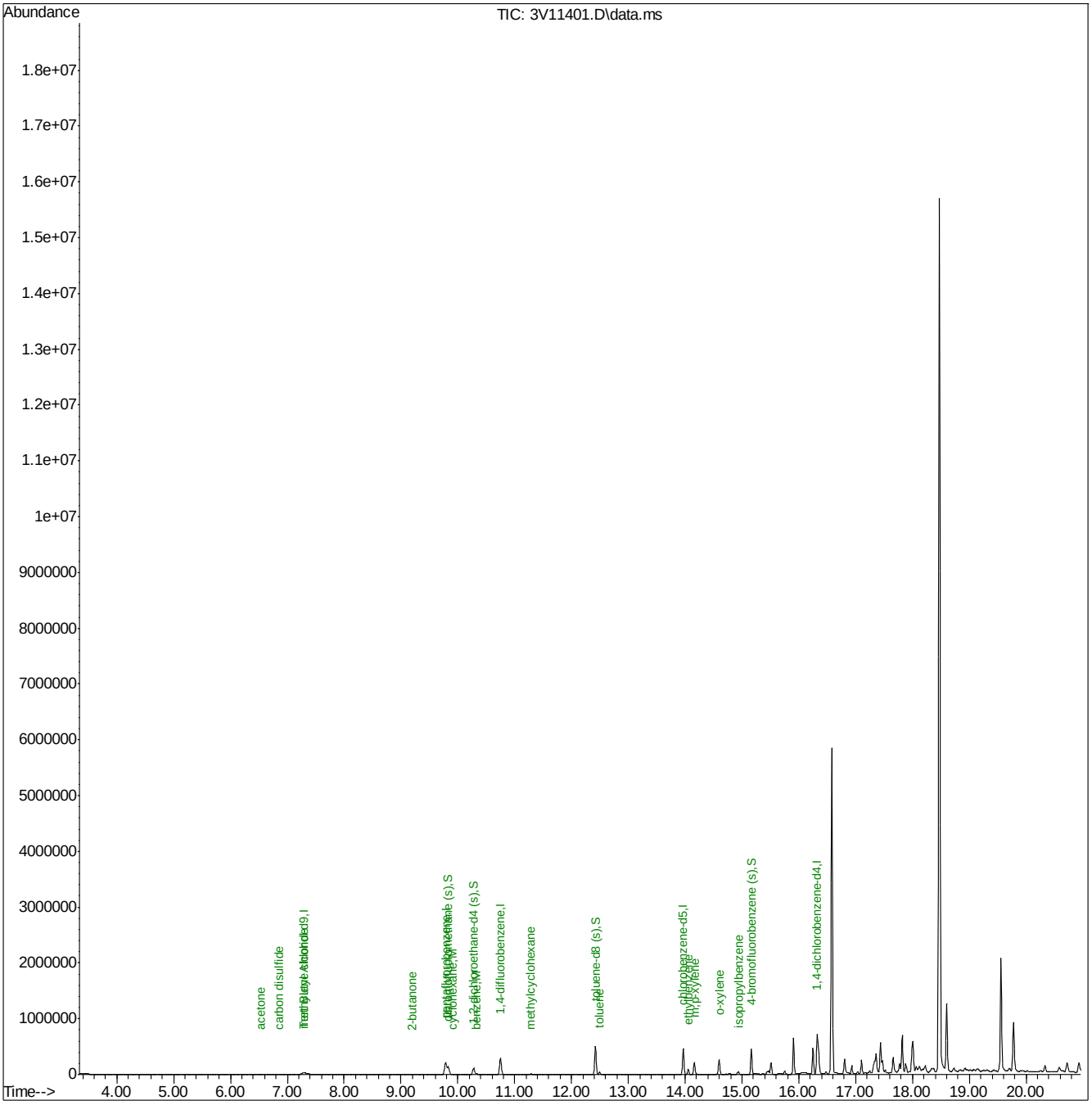
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	103017	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	211709	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	300182	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	273279	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	176065	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	115615	43.16	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.32%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	95386	40.67	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 81.34%			
71) toluene-d8 (s)	12.418	98	379129	51.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.00%			
95) 4-bromofluorobenzene (s)	15.165	95	155750	50.45	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 100.90%			
Target Compounds						Qvalue
17) acetone	6.535	43	17918	23.91	ug/L	98
22) carbon disulfide	6.855	76	11283	1.07	ug/L	95
23) methylene chloride	7.285	84	7420	2.20	ug/L	90
30) 2-butanone	9.188	72	453	1.92	ug/L #	23
52) cyclohexane	9.906	84	1541	0.39	ug/L #	64
57) benzene	10.331	78	15828	1.69	ug/L	94
67) methylcyclohexane	11.280	83	5055	1.25	ug/L	98
73) toluene	12.491	92	19076	3.49	ug/L	99
88) ethylbenzene	14.054	91	73408	6.84	ug/L	99
89) m,p-xylene	14.164	106	68034	16.17	ug/L	99
90) o-xylene	14.599	106	80358	19.67	ug/L	97
94) isopropylbenzene	14.945	105	17594	1.58	ug/L	84

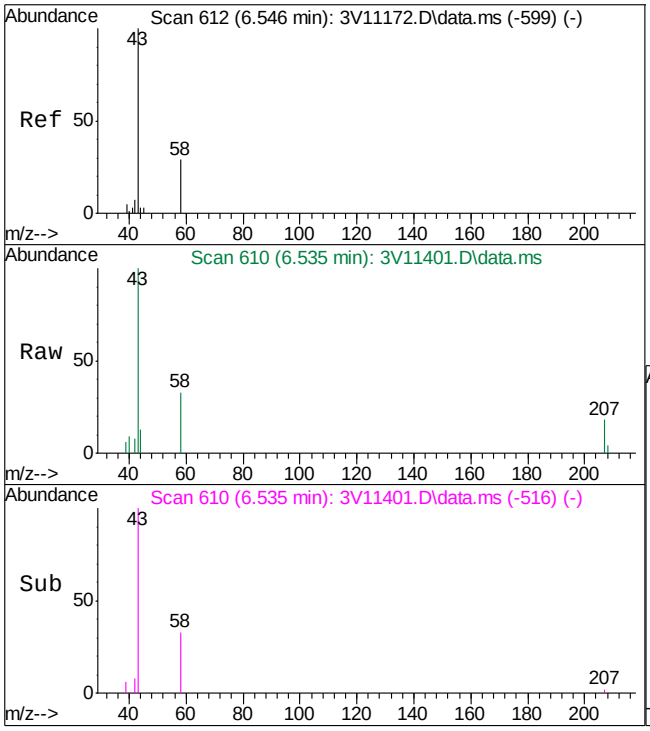
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11401.D
Acq On : 2 Jun 2014 8:07 pm
Operator : thienn
Sample : jb68173-3
Misc : MS68397,V3V484,6.1,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 03 17:00:28 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

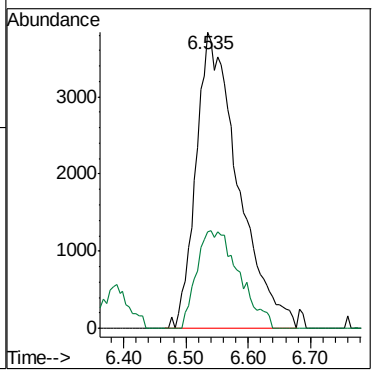


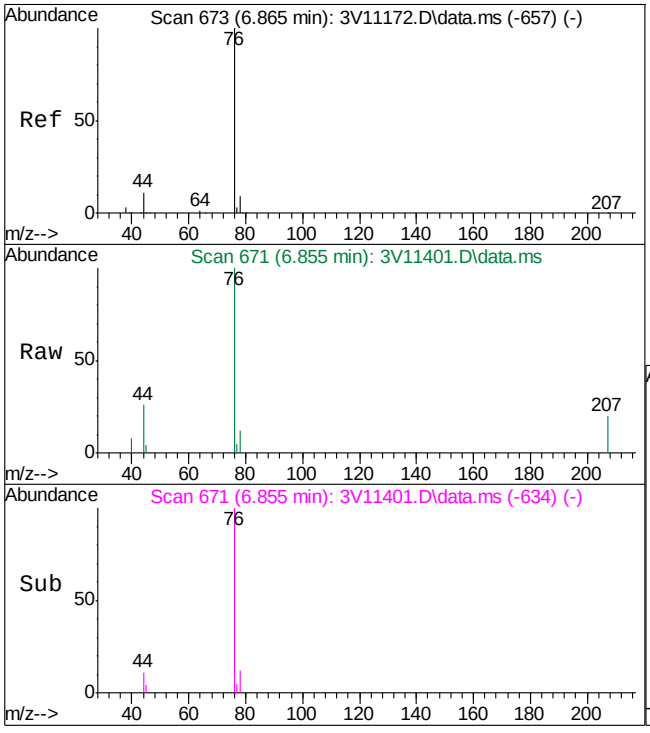


#17
acetone
Concen: 23.91 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 43 Resp: 17918

Ion	Ratio	Lower	Upper
43	100		
58	32.6	3.8	63.8

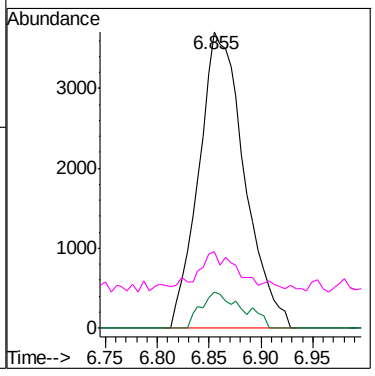


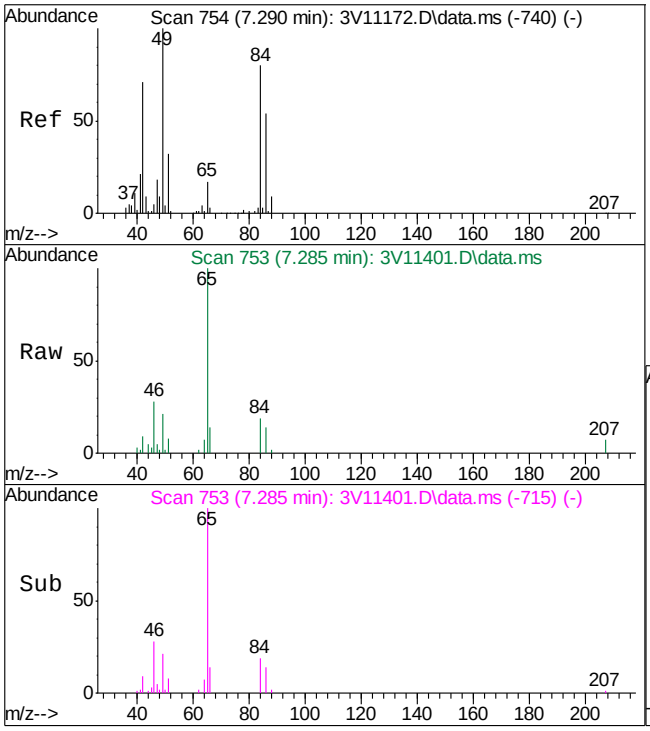


#22
carbon disulfide
Concen: 1.07 ug/L
RT: 6.855 min Scan# 671
Delta R.T. -0.005 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 76 Resp: 11283

Ion	Ratio	Lower	Upper
76	100		
78	12.0	0.0	39.0
44	11.8	0.0	40.7

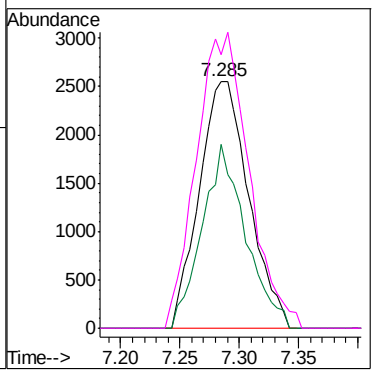


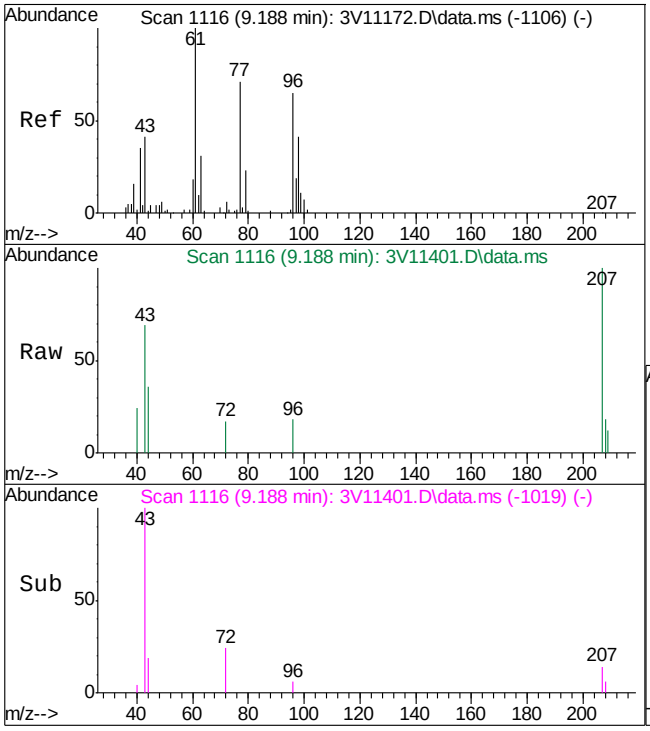


#23
methylene chloride
Concen: 2.20 ug/L
RT: 7.285 min Scan# 753
Delta R.T. -0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 84 Resp: 7420

Ion	Ratio	Lower	Upper
84	100		
86	74.6	44.9	83.5
49	110.8	83.8	155.6

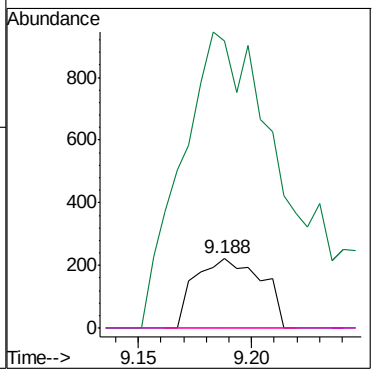


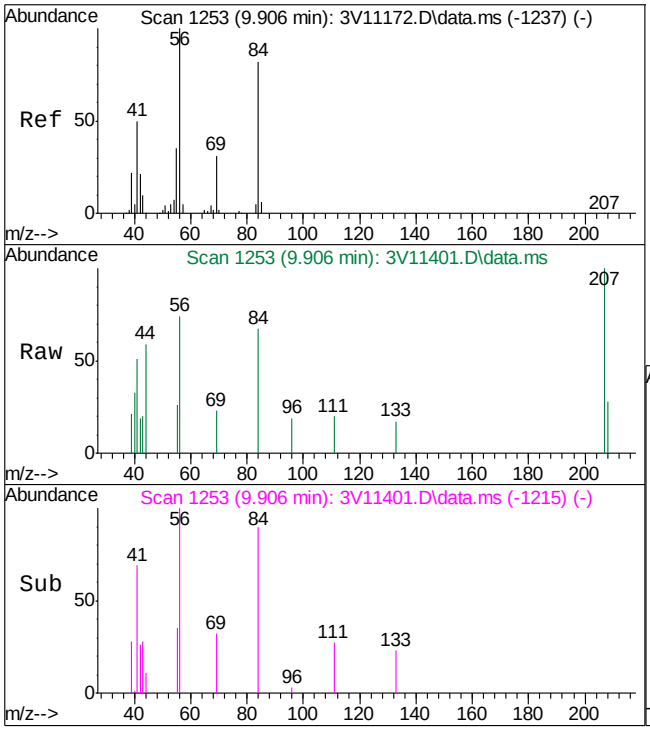


#30
2-butanone
Concen: 1.92 ug/L
RT: 9.188 min Scan# 1116
Delta R.T. 0.010 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 72 Resp: 453

Ion	Ratio	Lower	Upper
72	100		
43	660.7	704.9	1309.1#
57	0.0	17.5	32.5#

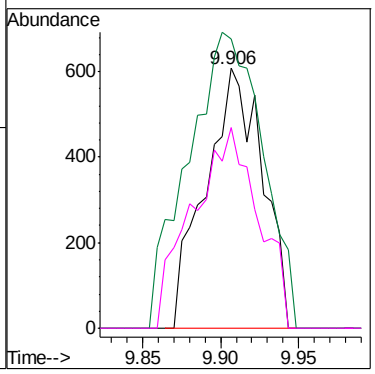


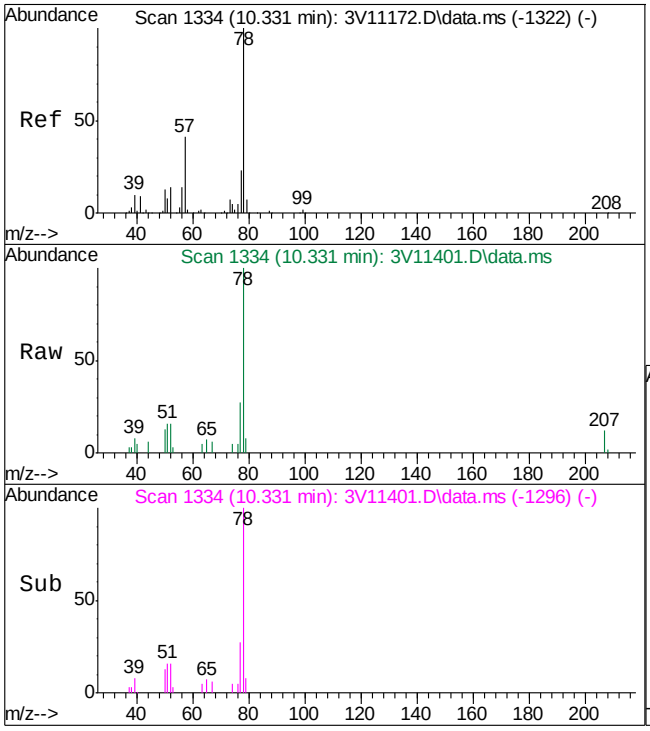


#52
cyclohexane
Concen: 0.39 ug/L
RT: 9.906 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 84 Resp: 1541

Ion	Ratio	Lower	Upper
84	100		
56	149.8	86.7	146.7#
41	89.2	25.3	85.3#

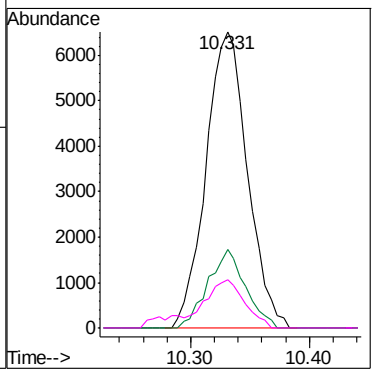


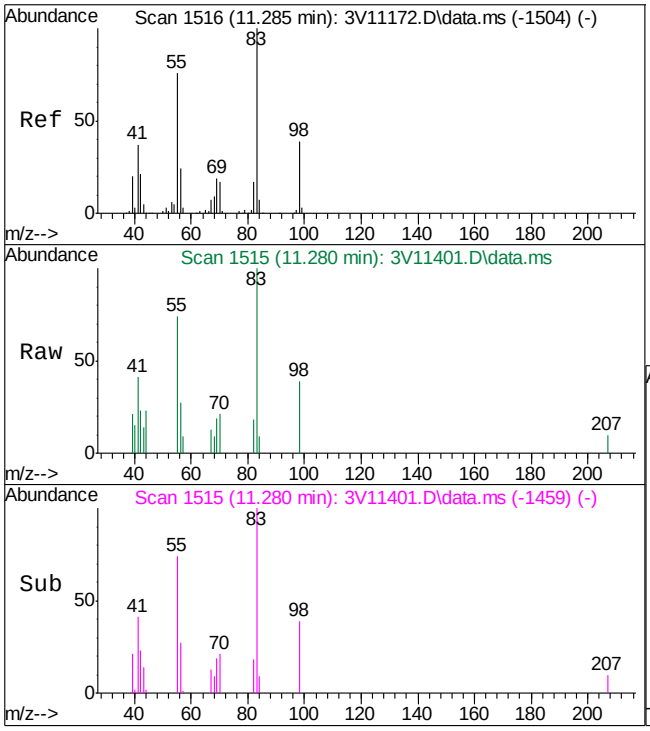


#57
benzene
Concen: 1.69 ug/L
RT: 10.331 min Scan# 1334
Delta R.T. 0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 78 Resp: 15828

Ion	Ratio	Lower	Upper
78	100		
77	26.6	0.0	53.4
52	16.2	0.0	44.3

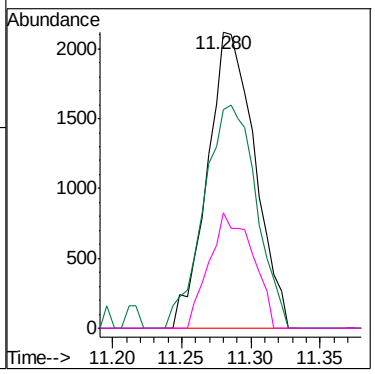


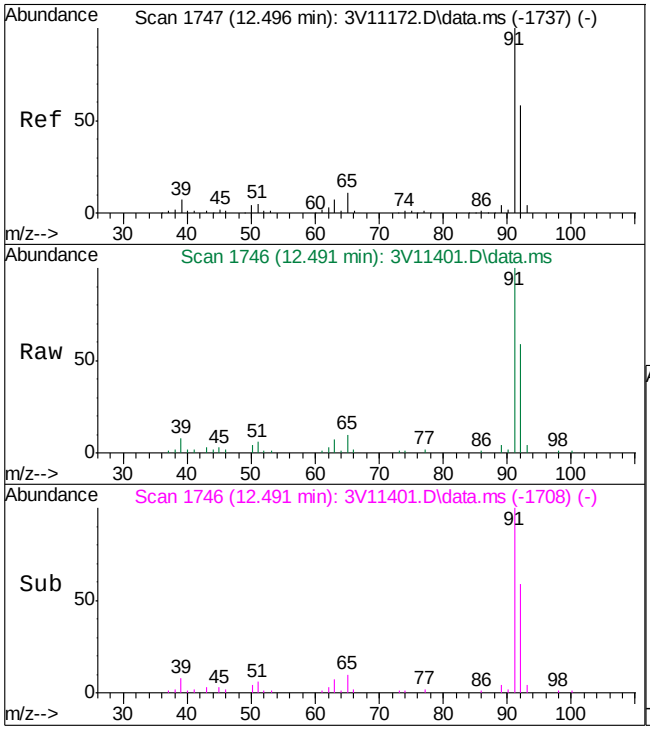


#67
methylcyclohexane
Concen: 1.25 ug/L
RT: 11.280 min Scan# 1515
Delta R.T. -0.005 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 83 Resp: 5055

Ion	Ratio	Lower	Upper
83	100		
55	73.7	46.1	106.1
98	39.0	8.8	68.8

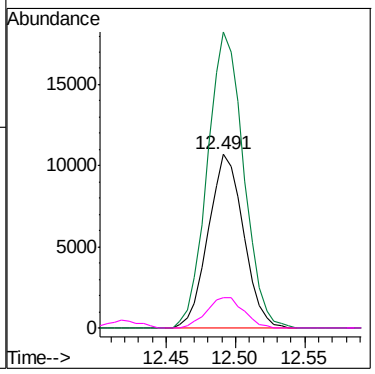


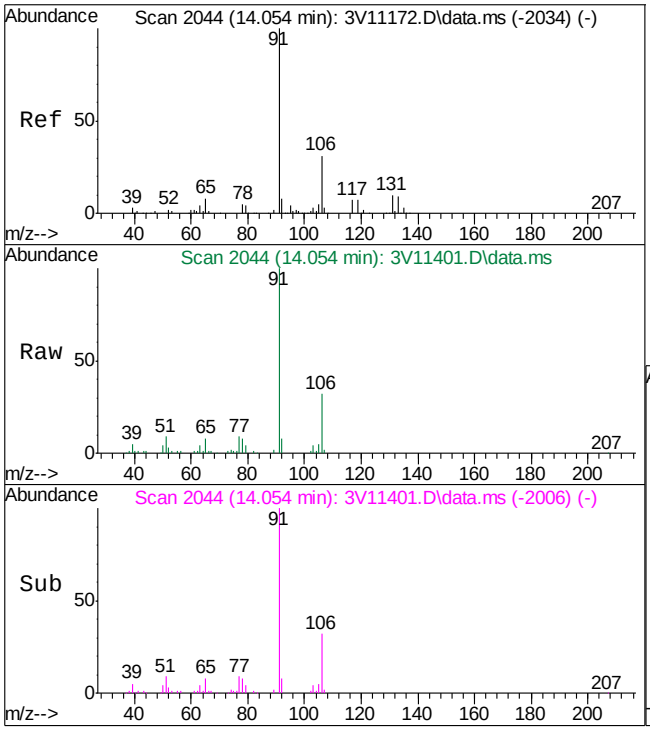


#73
toluene
Concen: 3.49 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 92 Resp: 19076

Ion	Ratio	Lower	Upper
92	100		
91	169.8	141.7	201.7
65	17.2	0.0	48.2

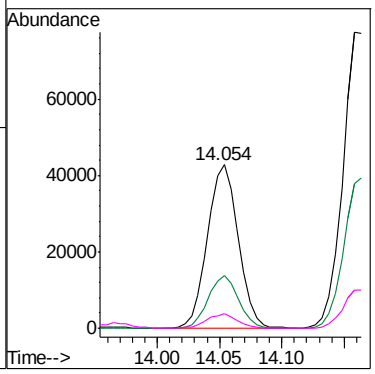


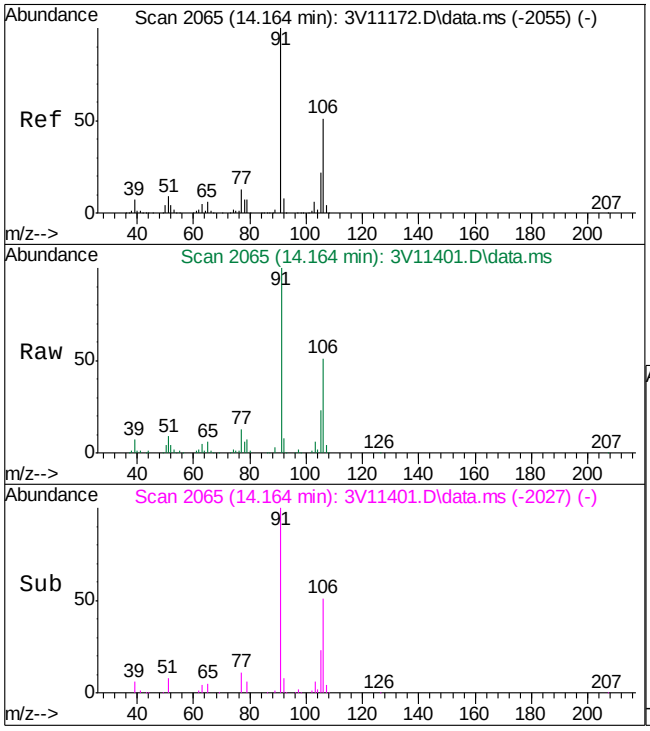


#88
ethylbenzene
Concen: 6.84 ug/L
RT: 14.054 min Scan# 2044
Delta R.T. -0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion: 91 Resp: 73408

Ion	Ratio	Lower	Upper
91	100		
106	32.4	1.7	61.7
77	8.9	0.0	38.5

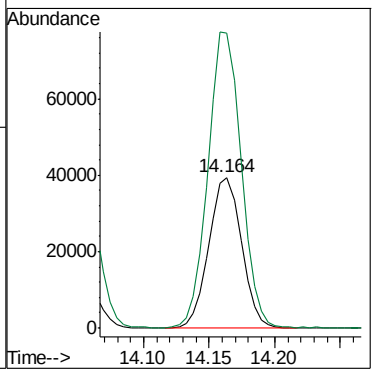


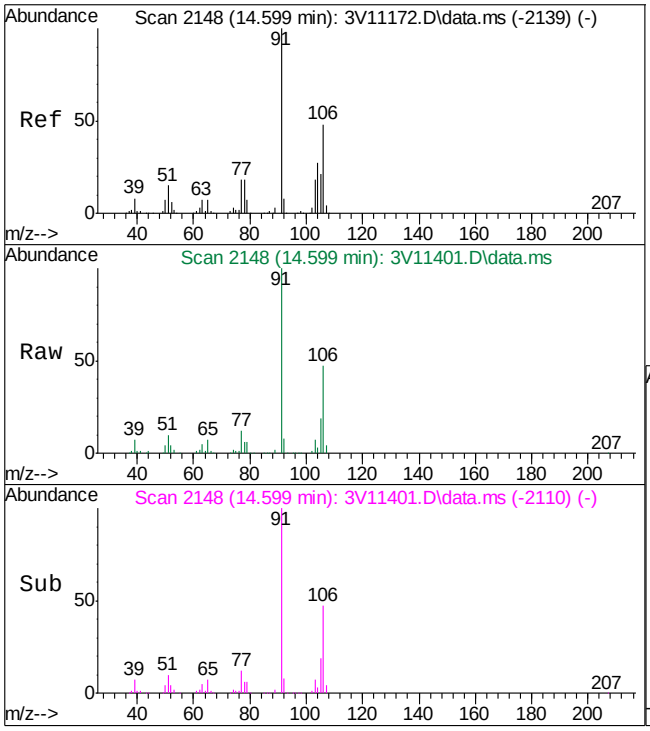


#89
m,p-xylene
Concen: 16.17 ug/L
RT: 14.164 min Scan# 2065
Delta R.T. -0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion:106 Resp: 68034

Ion	Ratio	Lower	Upper
106	100		
91	196.2	138.7	257.7

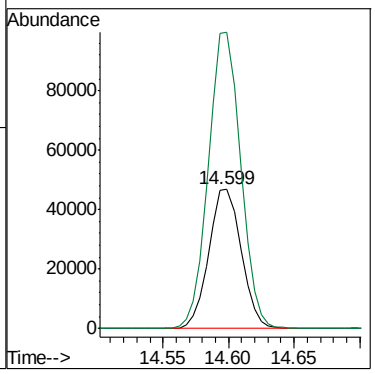


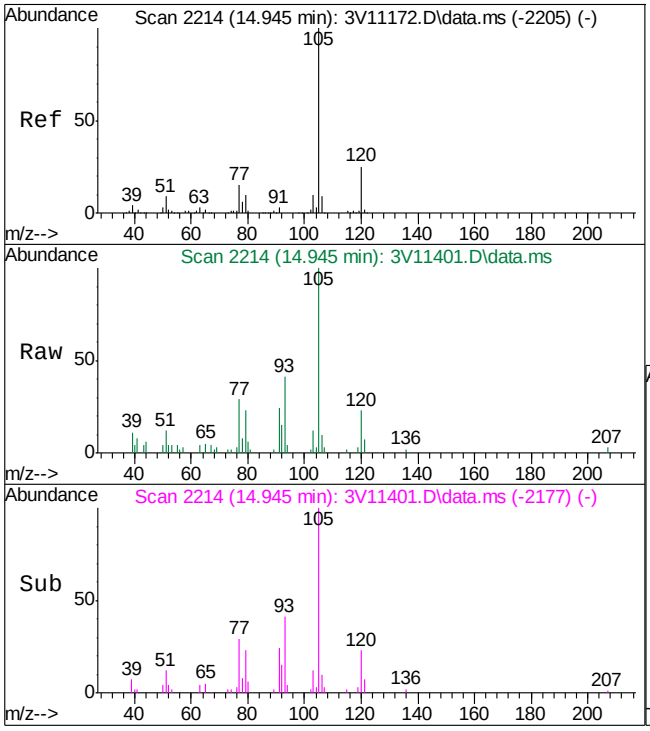


#90
o-xylene
Concen: 19.67 ug/L
RT: 14.599 min Scan# 2148
Delta R.T. -0.000 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion:106 Resp: 80358

Ion	Ratio	Lower	Upper
106	100		
91	212.8	145.4	270.0

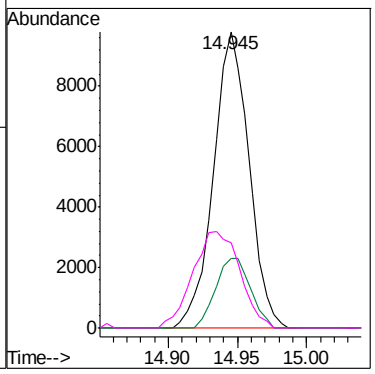




#94
isopropylbenzene
Concen: 1.58 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11401.D
Acq: 2 Jun 2014 8:07 pm

Tgt Ion:105 Resp: 17594

Ion	Ratio	Lower	Upper
105	100		
120	23.3	0.0	55.7
77	28.9	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11449.D
Acq On : 5 Jun 2014 1:52 pm
Operator : thienn
Sample : jb68173-4
Misc : MS68397,V3V487,6.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:27:02 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

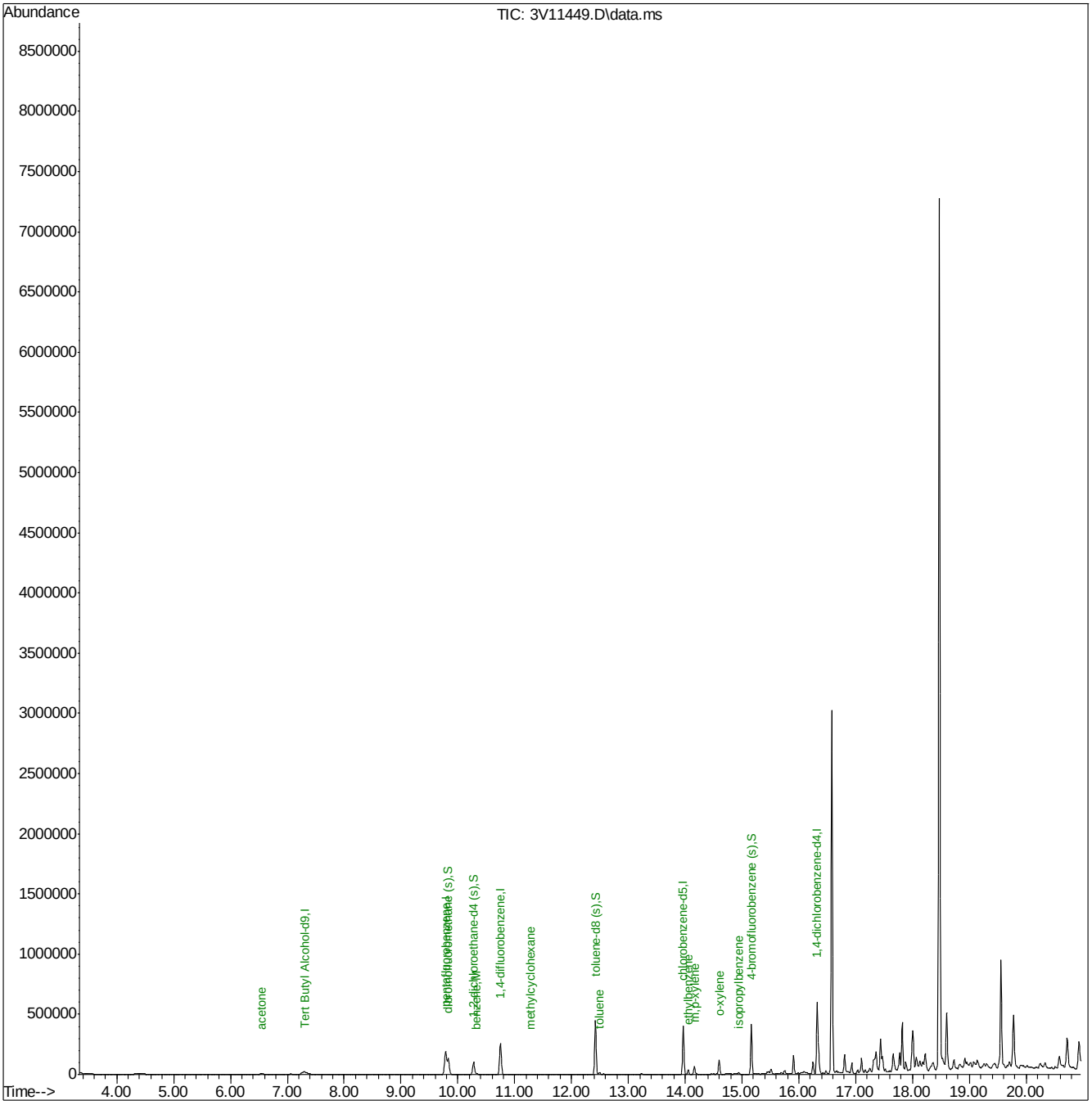
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	73837	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	187168	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	263616	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	238329	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150299	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	103777	43.82	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.64%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	85629	41.30	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 82.60%			
71) toluene-d8 (s)	12.418	98	328989	50.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 100.78%			
95) 4-bromofluorobenzene (s)	15.165	95	137304	52.10	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.20%			
Target Compounds						Qvalue
17) acetone	6.540	43	17730	26.76	ug/L	98
57) benzene	10.326	78	7625	0.93	ug/L	94
67) methylcyclohexane	11.285	83	1520	0.43	ug/L	98
73) toluene	12.491	92	7238	1.51	ug/L	93
88) ethylbenzene	14.054	91	30637	3.27	ug/L	98
89) m,p-xylene	14.164	106	19999	5.45	ug/L	96
90) o-xylene	14.599	106	35580	9.98	ug/L	98
94) isopropylbenzene	14.945	105	7150	0.75	ug/L	89

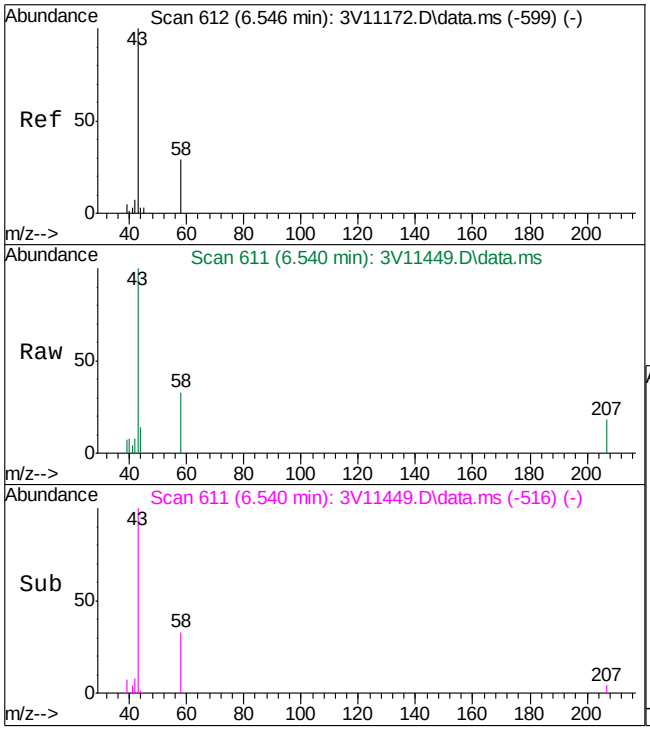
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11449.D
Acq On : 5 Jun 2014 1:52 pm
Operator : thienn
Sample : jb68173-4
Misc : MS68397,V3V487,6.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:27:02 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

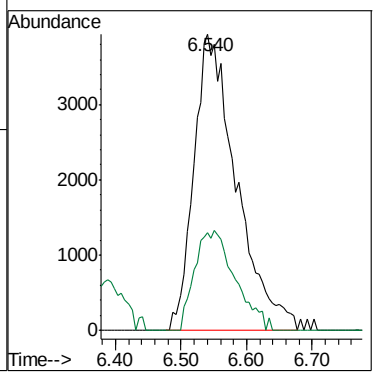


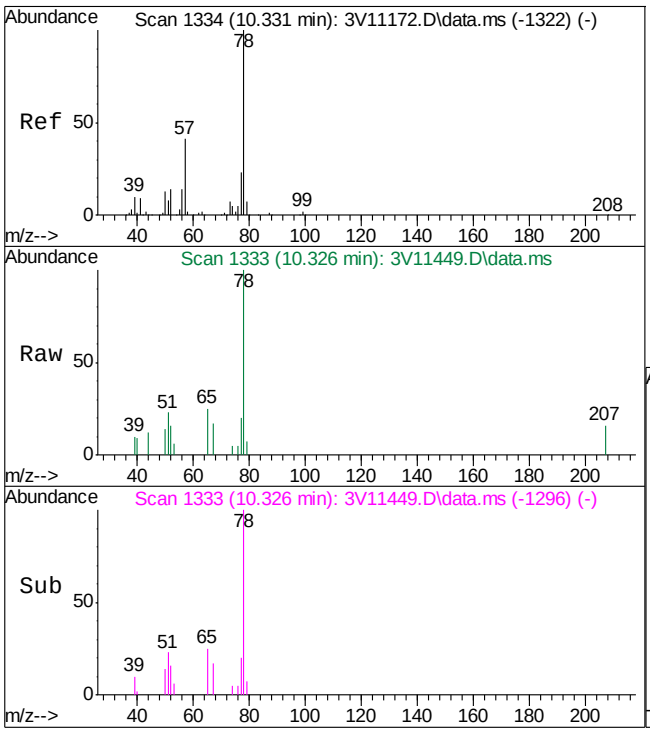


#17
acetone
Concen: 26.76 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion: 43 Resp: 17730

Ion	Ratio	Lower	Upper
43	100		
58	32.9	3.8	63.8

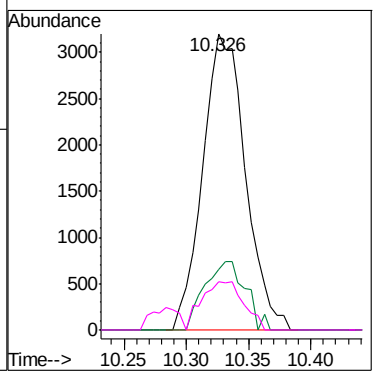


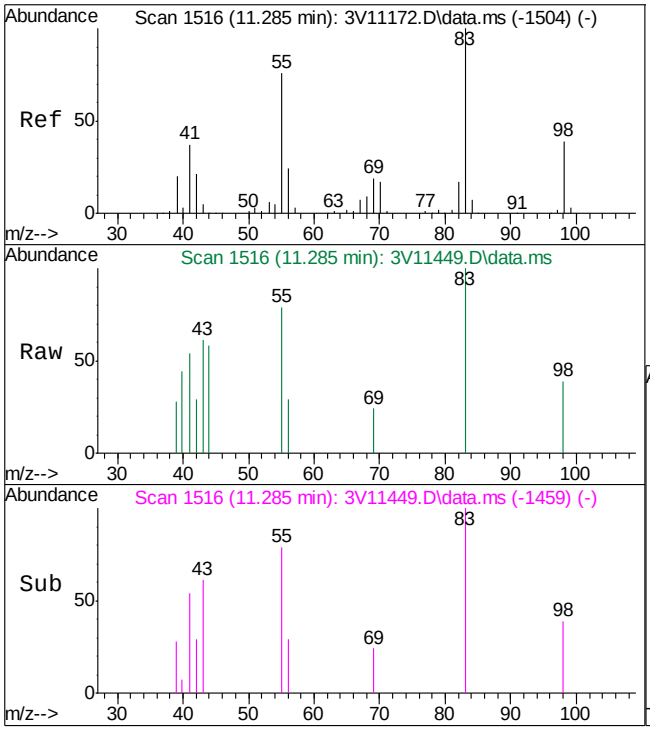


#57
benzene
Concen: 0.93 ug/L
RT: 10.326 min Scan# 1333
Delta R.T. -0.005 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion: 78 Resp: 7625

Ion	Ratio	Lower	Upper
78	100		
77	20.5	0.0	53.4
52	16.4	0.0	44.3

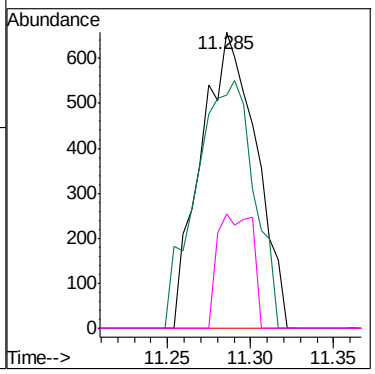


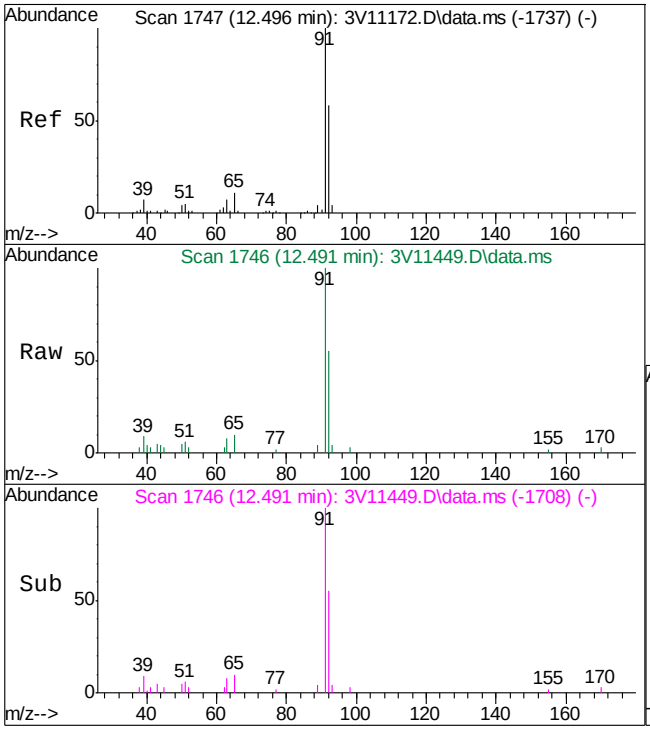


#67
methylcyclohexane
Concen: 0.43 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion: 83 Resp: 1520

Ion	Ratio	Lower	Upper
83	100		
55	78.7	46.1	106.1
98	38.8	8.8	68.8

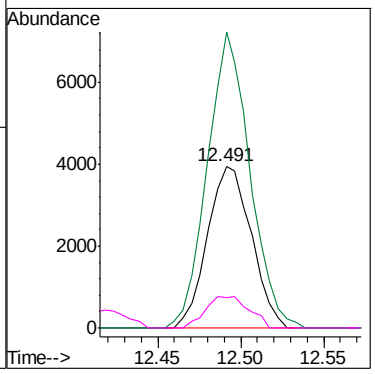


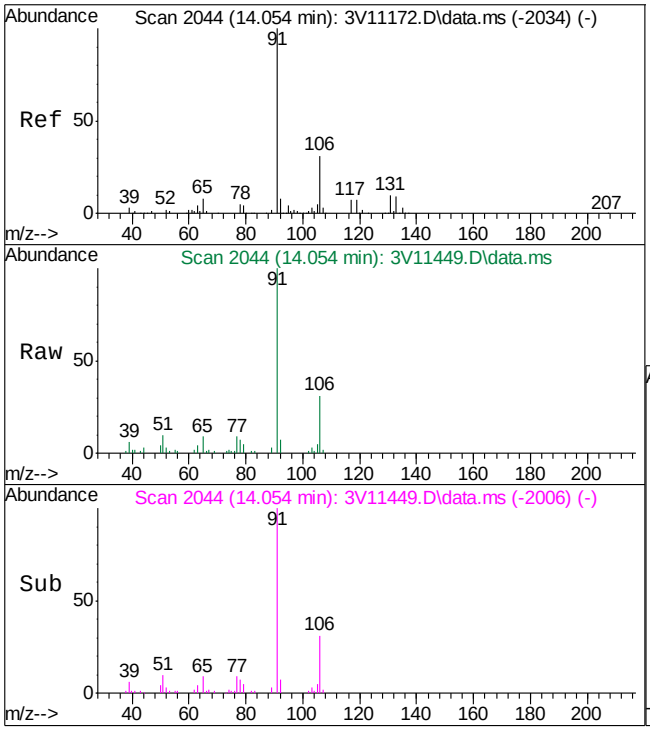


#73
toluene
Concen: 1.51 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion: 92 Resp: 7238

Ion	Ratio	Lower	Upper
92	100		
91	182.8	141.7	201.7
65	18.8	0.0	48.2

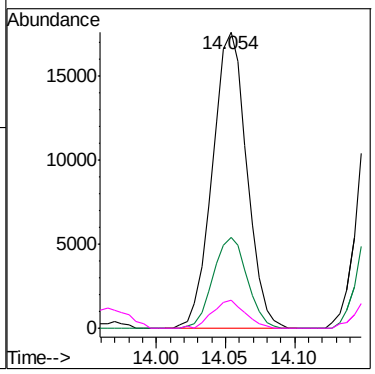


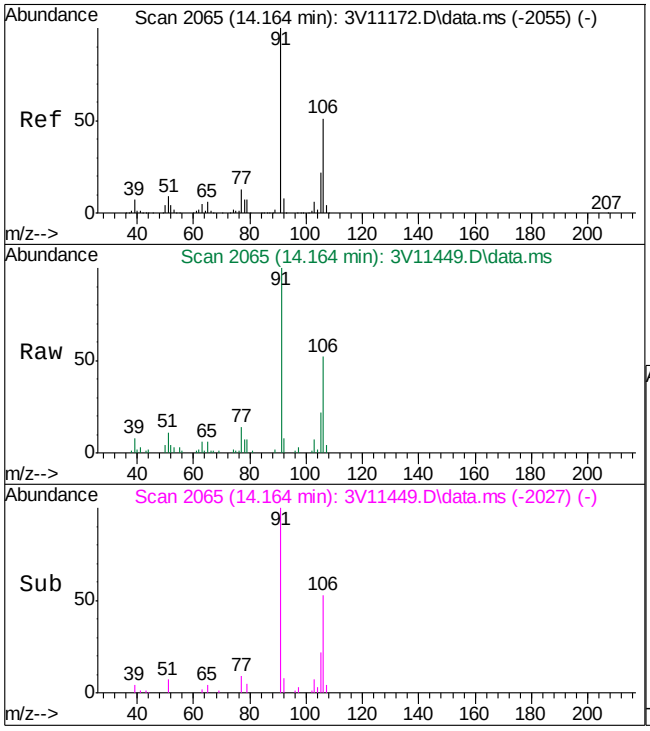


#88
ethylbenzene
Concen: 3.27 ug/L
RT: 14.054 min Scan# 2044
Delta R.T. -0.000 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion: 91 Resp: 30637

Ion	Ratio	Lower	Upper
91	100		
106	30.8	1.7	61.7
77	9.5	0.0	38.5

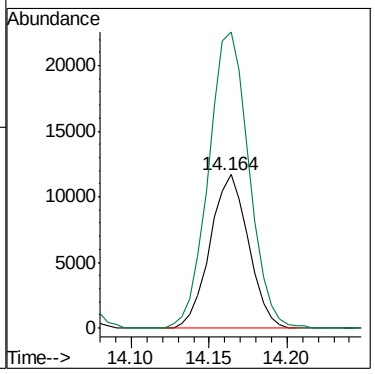


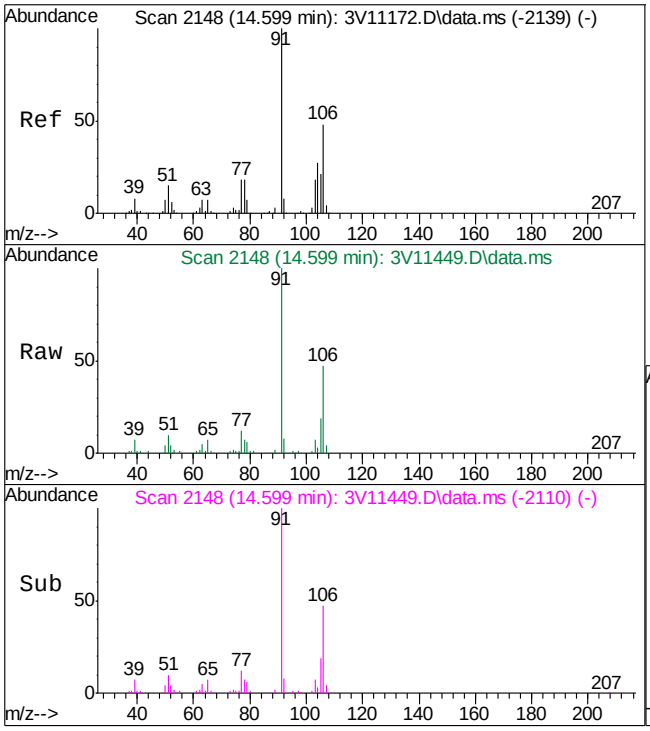


#89
m,p-xylene
Concen: 5.45 ug/L
RT: 14.164 min Scan# 2065
Delta R.T. -0.000 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion:106 Resp: 19999

Ion	Ratio	Lower	Upper
106	100		
91	192.7	138.7	257.7

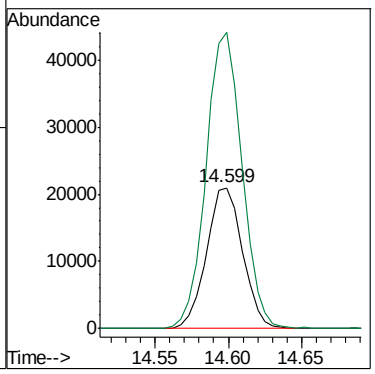


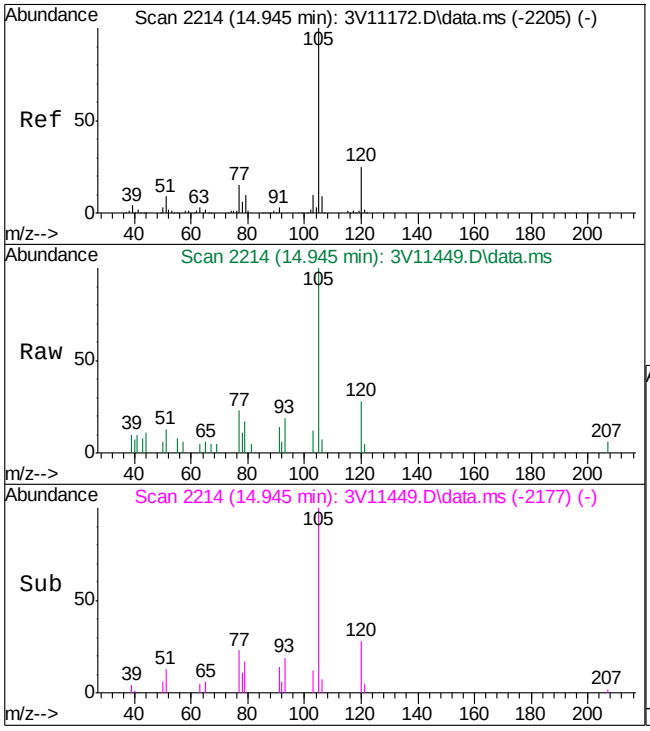


#90
o-xylene
Concen: 9.98 ug/L
RT: 14.599 min Scan# 2148
Delta R.T. -0.000 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion:106 Resp: 35580

Ion	Ratio	Lower	Upper
106	100		
91	210.9	145.4	270.0

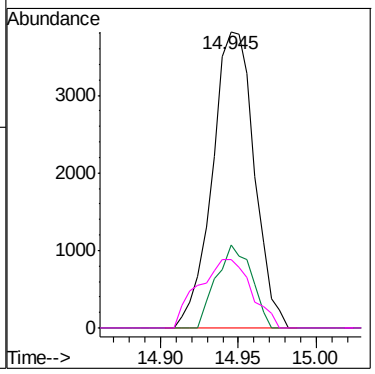




#94
isopropylbenzene
Concen: 0.75 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11449.D
Acq: 5 Jun 2014 1:52 pm

Tgt Ion:105 Resp: 7150

Ion	Ratio	Lower	Upper
105	100		
120	28.2	0.0	55.7
77	23.2	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11448.D
Acq On : 5 Jun 2014 1:25 pm
Operator : thienn
Sample : jb68173-5
Misc : MS68397,V3V487,5.8,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 16:26:00 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

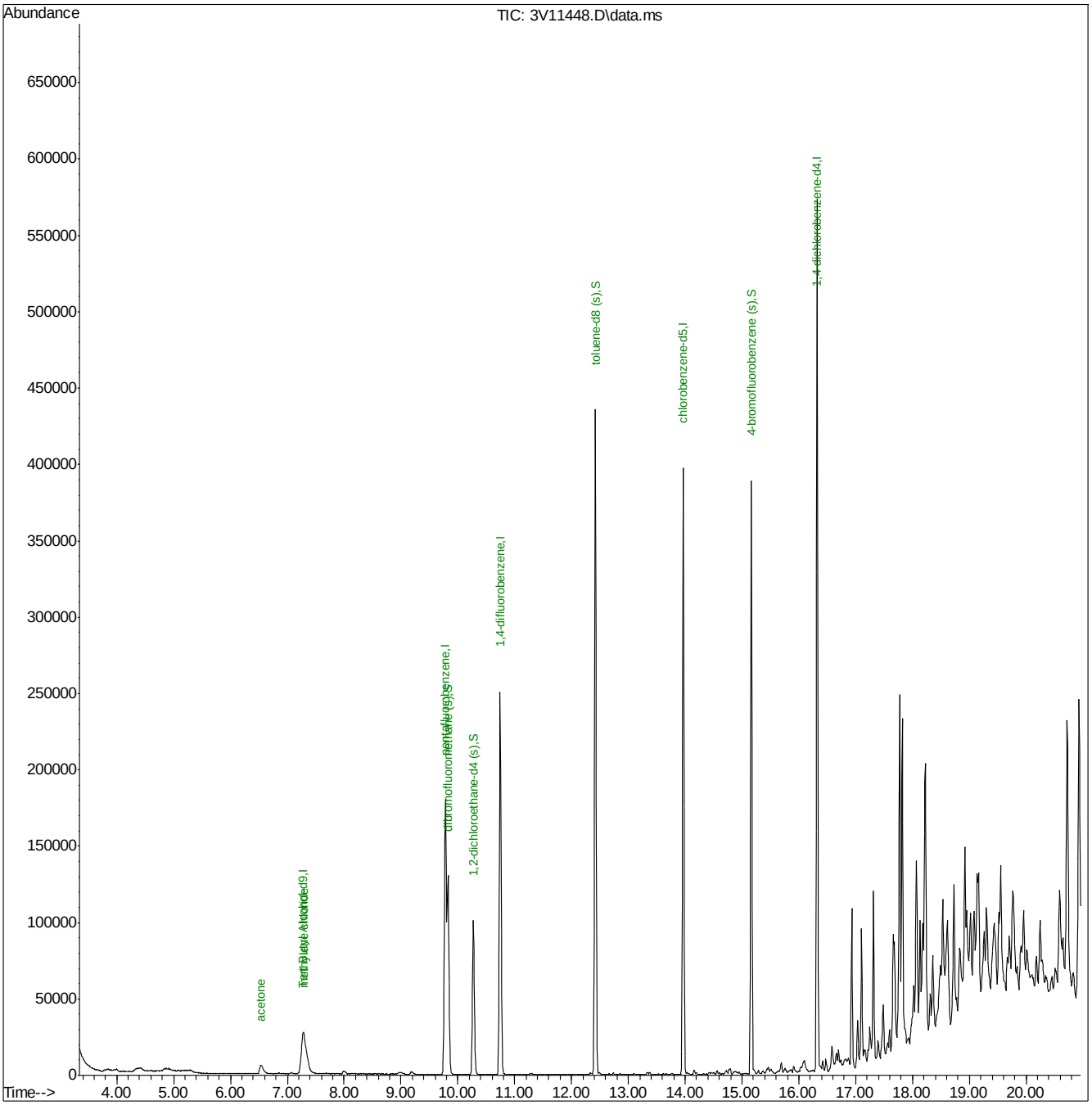
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.280	65	86617	500.00	ug/L	#-0.03
5) pentafluorobenzene	9.781	168	173454	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	248619	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	229079	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	145210	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	98017	44.66	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.32%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	83048	43.22	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 86.44%			
71) toluene-d8 (s)	12.418	98	313152	50.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.72%			
95) 4-bromofluorobenzene (s)	15.165	95	130990	51.45	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.90%			
Target Compounds						Qvalue
17) acetone	6.530	43	17290	28.16	ug/L	99
23) methylene chloride	7.285	84	6473	2.35	ug/L	95

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

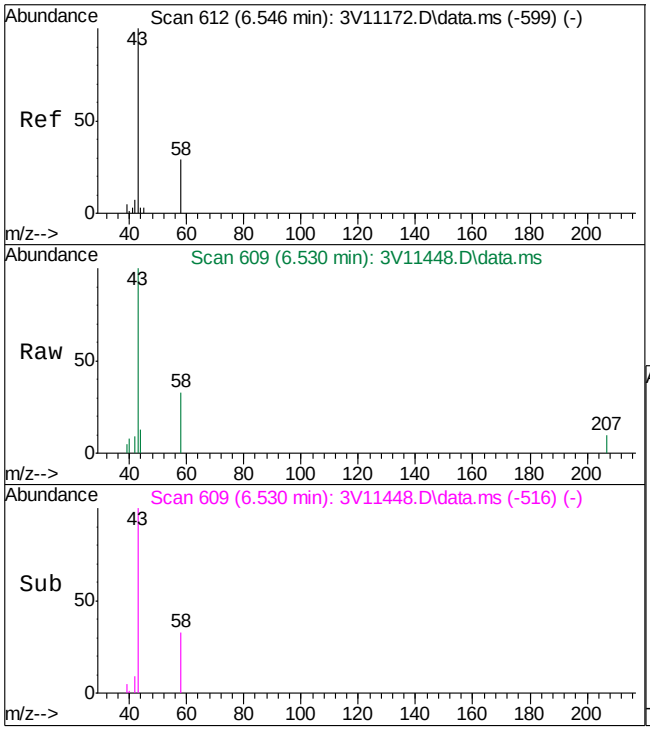
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11448.D
Acq On : 5 Jun 2014 1:25 pm
Operator : thienn
Sample : jb68173-5
Misc : MS68397,V3V487,5.8,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 16:26:00 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



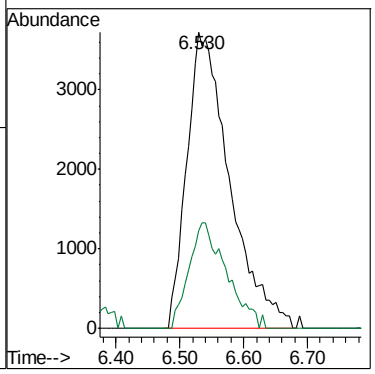
ACCUTEST LABORATORIES JB68173

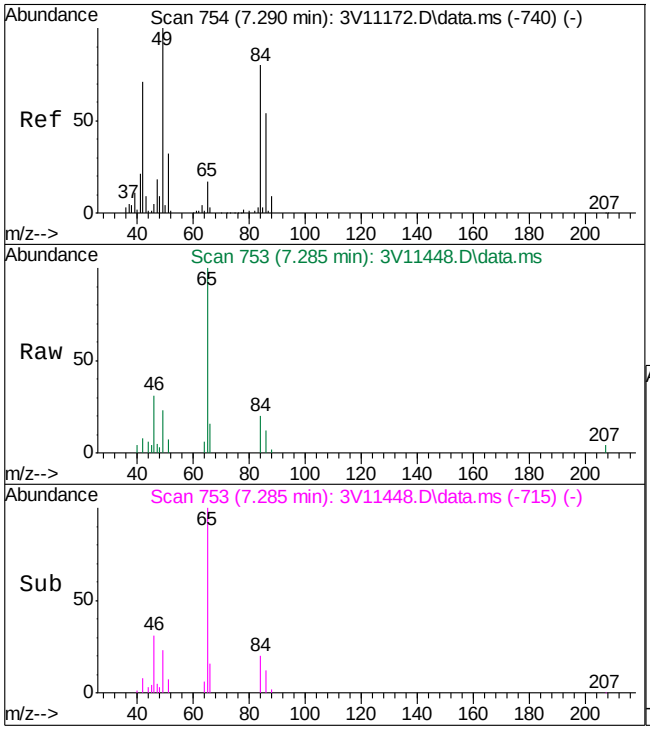


#17
acetone
Concen: 28.16 ug/L
RT: 6.530 min Scan# 609
Delta R.T. -0.010 min
Lab File: 3V11448.D
Acq: 5 Jun 2014 1:25 pm

Tgt Ion: 43 Resp: 17290

Ion	Ratio	Lower	Upper
43	100		
58	33.1	3.8	63.8

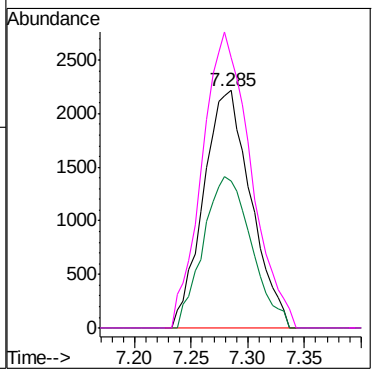




#23
methylene chloride
Concen: 2.35 ug/L
RT: 7.285 min Scan# 753
Delta R.T. -0.000 min
Lab File: 3V11448.D
Acq: 5 Jun 2014 1:25 pm

Tgt Ion: 84 Resp: 6473

Ion	Ratio	Lower	Upper
84	100		
86	61.7	44.9	83.5
49	113.8	83.8	155.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11435.D
Acq On : 4 Jun 2014 7:09 pm
Operator : thienn
Sample : jb68173-6
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 11:16:03 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

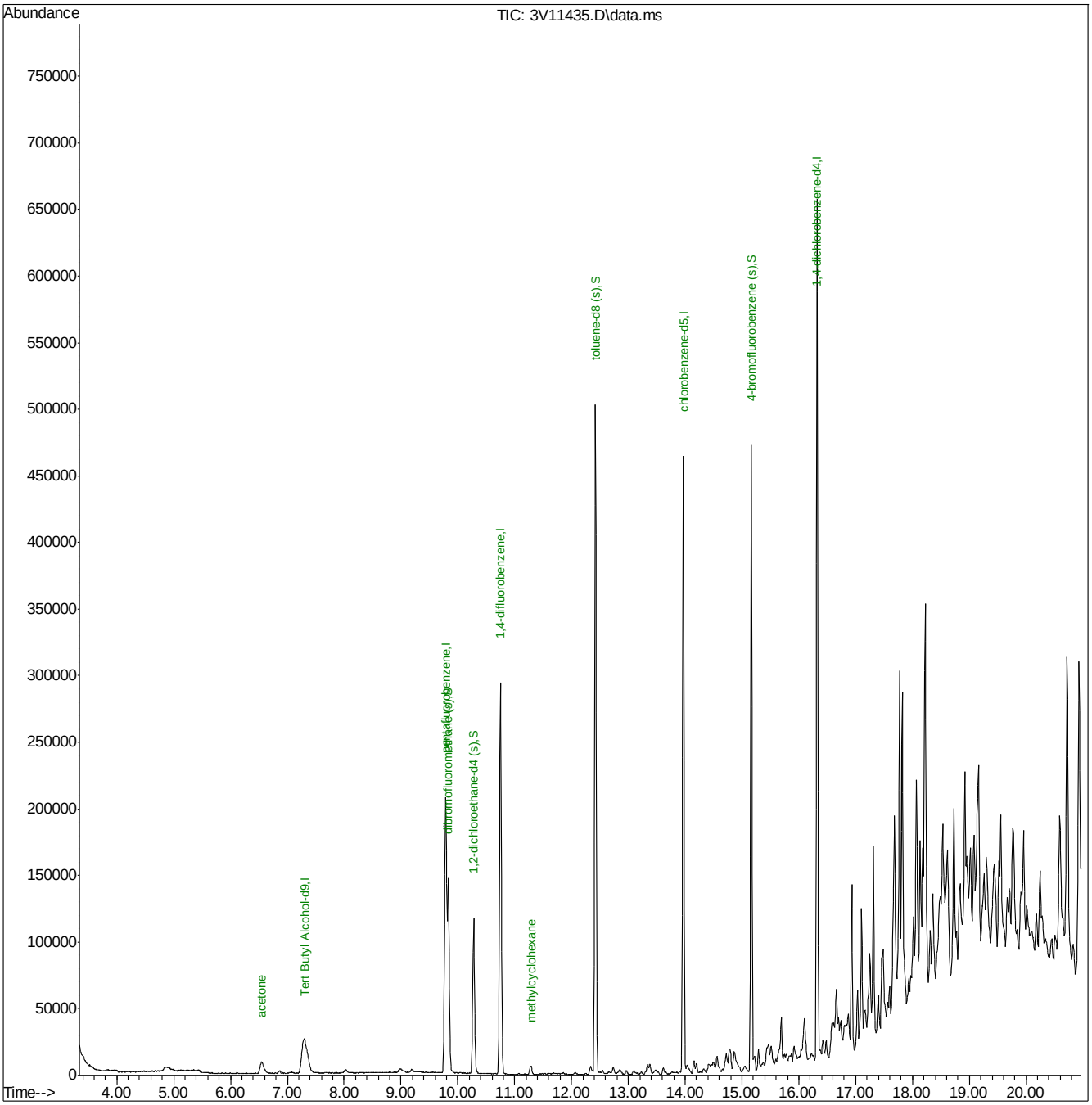
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.311	65	100278	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.786	168	203813	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	294404	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	274308	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	171873	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	111680	43.31	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.62%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	94165	41.70	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 83.40%			
71) toluene-d8 (s)	12.418	98	374396	51.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.70%			
95) 4-bromofluorobenzene (s)	15.165	95	158981	52.75	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.50%			
Target Compounds						Qvalue
17) acetone	6.545	43	26437	36.65	ug/L	97
67) methylcyclohexane	11.290	83	3553	0.90	ug/L	97

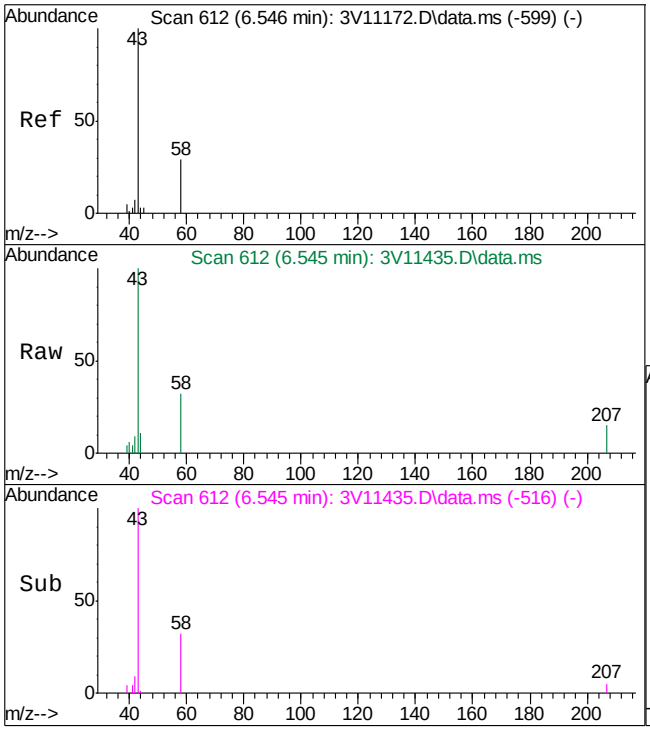
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11435.D
Acq On : 4 Jun 2014 7:09 pm
Operator : thienn
Sample : jb68173-6
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 11:16:03 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

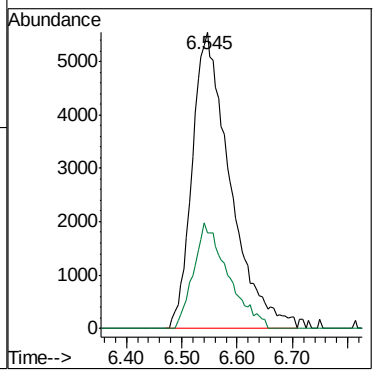


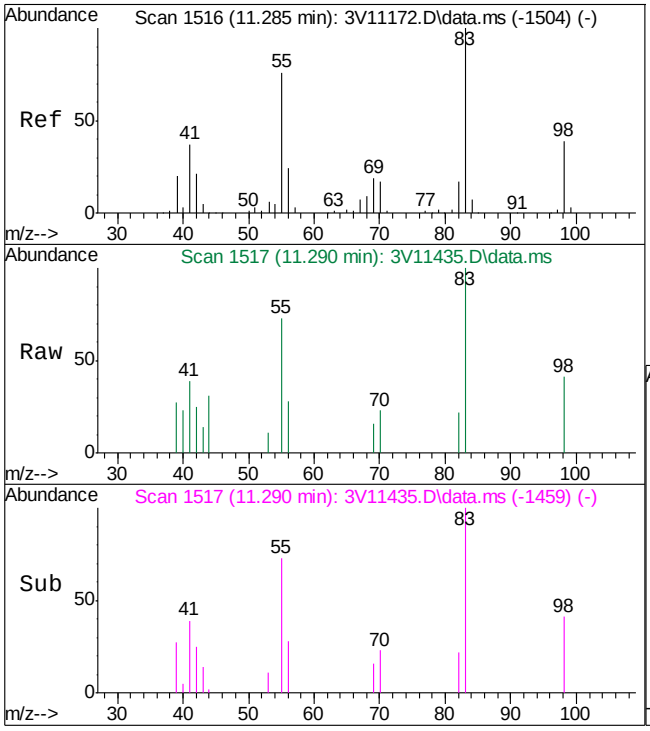


#17
acetone
Concen: 36.65 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11435.D
Acq: 4 Jun 2014 7:09 pm

Tgt Ion: 43 Resp: 26437

Ion	Ratio	Lower	Upper
43	100		
58	32.1	3.8	63.8

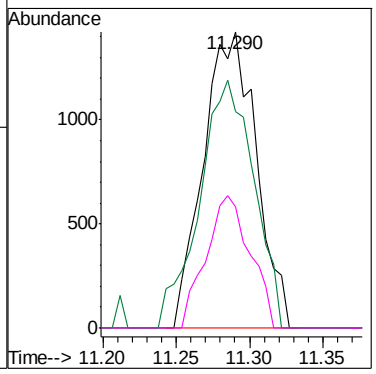




#67
methylcyclohexane
Concen: 0.90 ug/L
RT: 11.290 min Scan# 1517
Delta R.T. 0.005 min
Lab File: 3V11435.D
Acq: 4 Jun 2014 7:09 pm

Tgt Ion: 83 Resp: 3553

Ion	Ratio	Lower	Upper
83	100		
55	73.1	46.1	106.1
98	40.9	8.8	68.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11436.D
Acq On : 4 Jun 2014 7:35 pm
Operator : thienn
Sample : jb68173-7
Misc : MS68397,V3V486,6.2,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 11:17:04 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

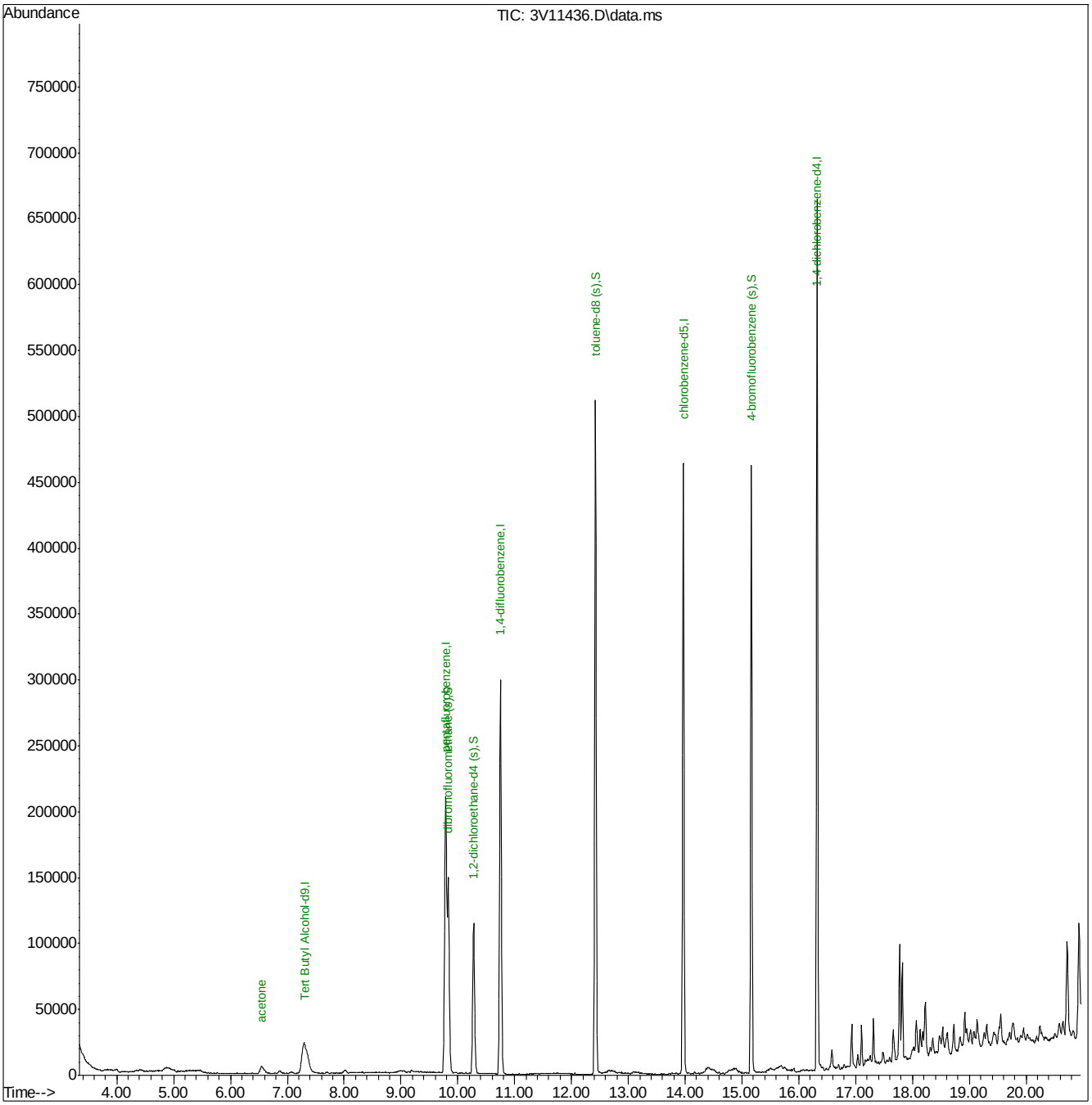
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	92832	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.786	168	206342	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	294611	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	276038	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	173035	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	112786	43.20	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.40%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	93092	40.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 81.44%			
71) toluene-d8 (s)	12.418	98	379281	51.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.96%			
95) 4-bromofluorobenzene (s)	15.165	95	156230	51.49	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.98%			
Target Compounds						Qvalue
17) acetone	6.546	43	17928	24.55	ug/L	96

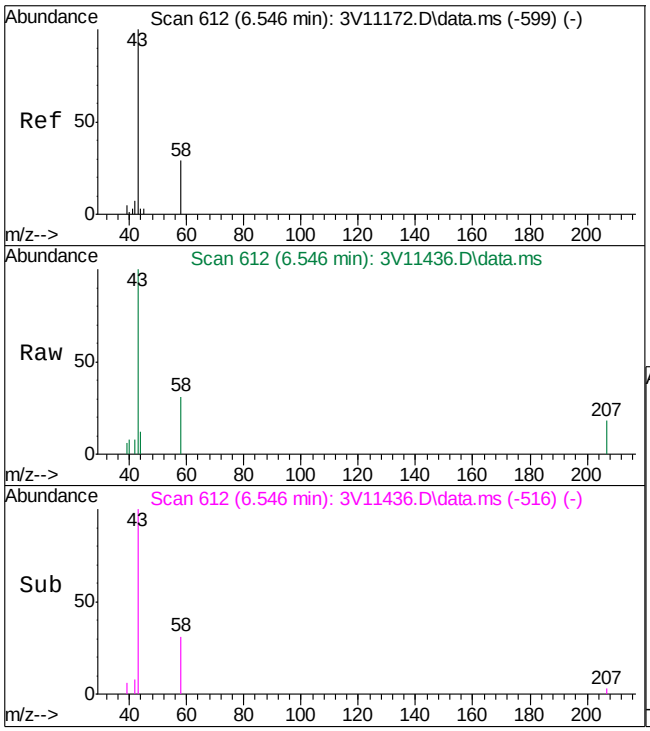
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11436.D
Acq On : 4 Jun 2014 7:35 pm
Operator : thienn
Sample : jb68173-7
Misc : MS68397,V3V486,6.2,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 11:17:04 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

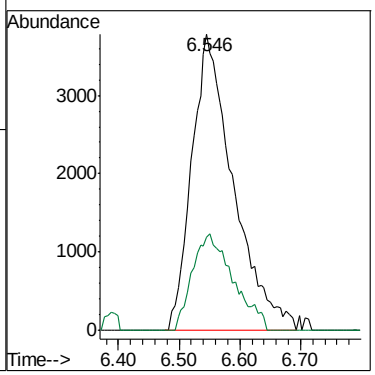




#17
acetone
Concen: 24.55 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11436.D
Acq: 4 Jun 2014 7:35 pm

Tgt Ion: 43 Resp: 17928

Ion	Ratio	Lower	Upper
43	100		
58	31.4	3.8	63.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11437.D
Acq On : 4 Jun 2014 8:02 pm
Operator : thienn
Sample : jb68173-8
Misc : MS68397,V3V486,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 05 11:18:14 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

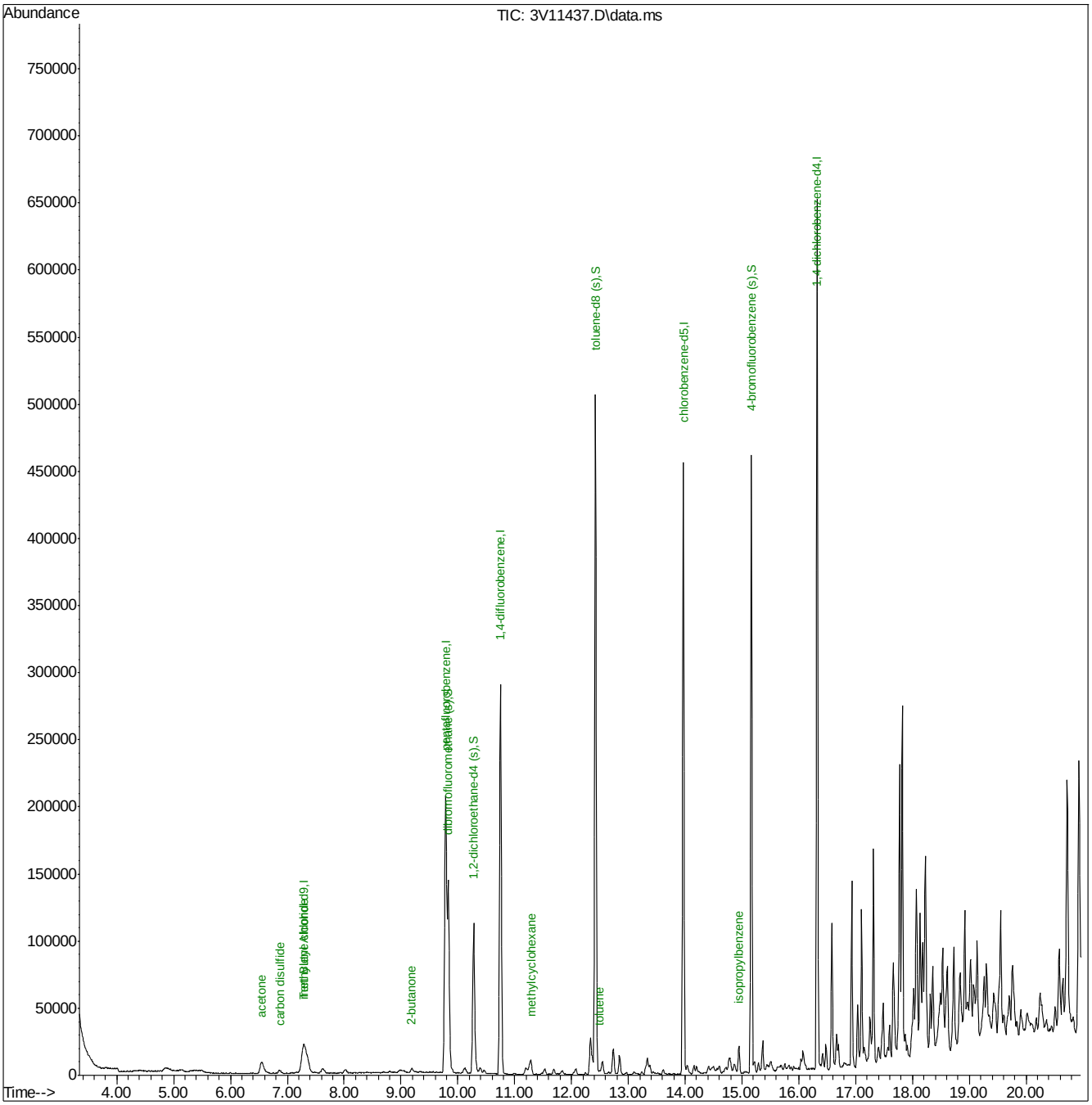
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	81827	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	203959	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	291407	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	269830	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	171147	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	109297	42.35	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 84.70%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	90696	40.14	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 80.28%			
71) toluene-d8 (s)	12.418	98	371732	51.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.02%			
95) 4-bromofluorobenzene (s)	15.165	95	153448	51.13	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.26%			
Target Compounds						Qvalue
17) acetone	6.540	43	27022	37.43	ug/L	99
22) carbon disulfide	6.865	76	5588	0.55	ug/L	88
23) methylene chloride	7.290	84	3325	1.03	ug/L	90
30) 2-butanone	9.183	72	1320	5.81	ug/L #	1
67) methylcyclohexane	11.290	83	5606	1.43	ug/L	90
73) toluene	12.491	92	799	0.15	ug/L	95
94) isopropylbenzene	14.950	105	14176	1.31	ug/L	97

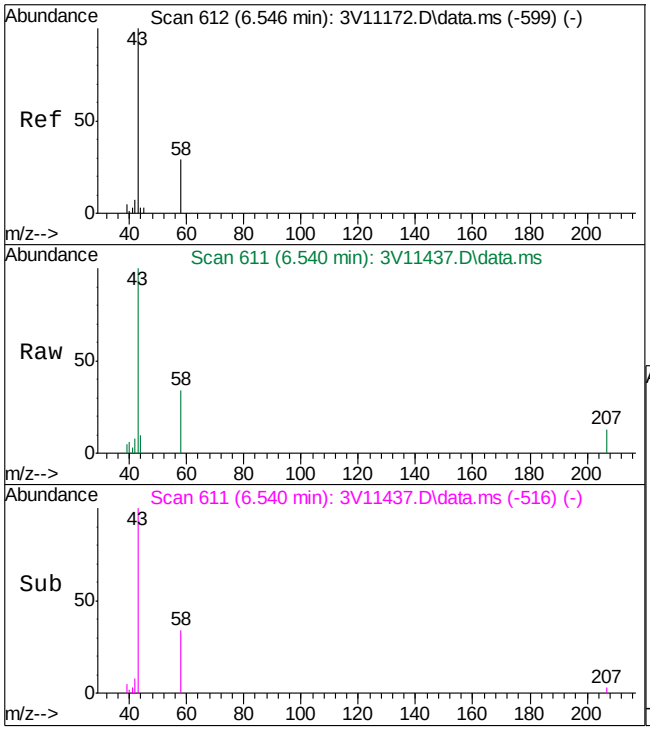
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11437.D
Acq On : 4 Jun 2014 8:02 pm
Operator : thienn
Sample : jb68173-8
Misc : MS68397,V3V486,5.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 05 11:18:14 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

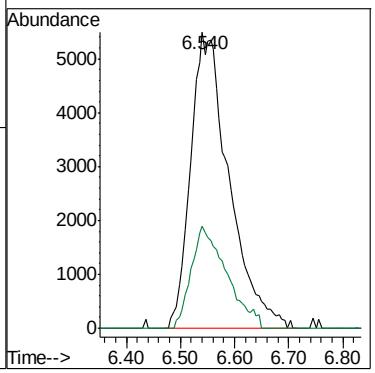


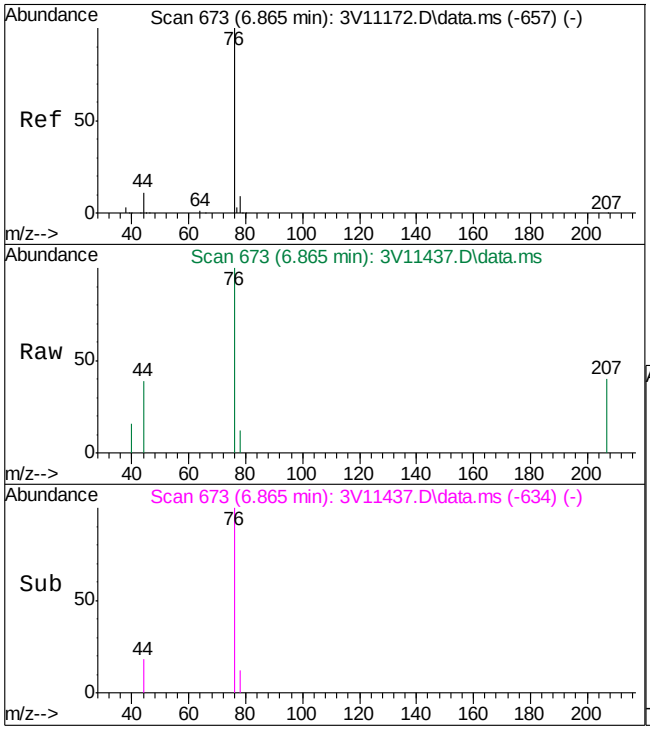


#17
acetone
Concen: 37.43 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion: 43 Resp: 27022

Ion	Ratio	Lower	Upper
43	100		
58	34.4	3.8	63.8

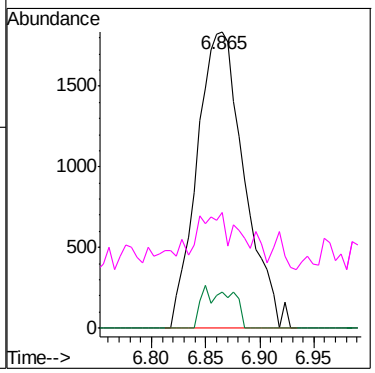


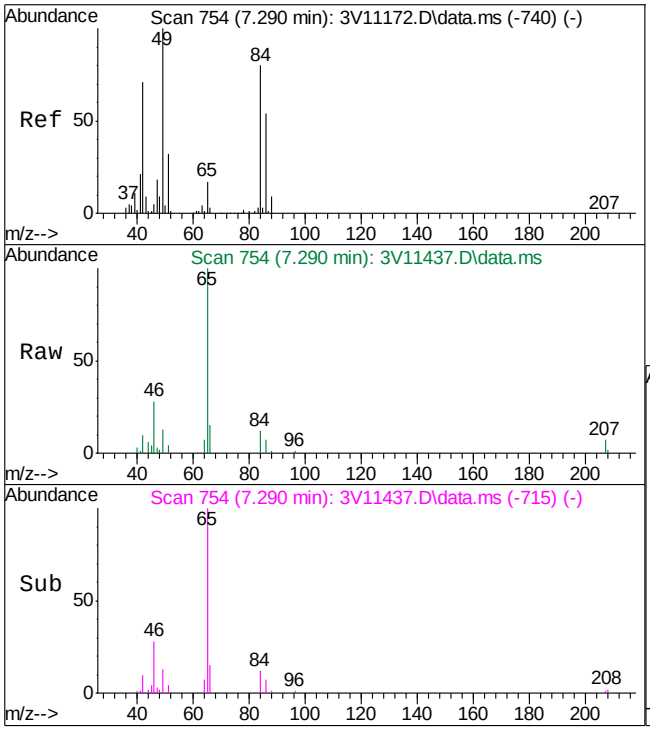


#22
carbon disulfide
Concen: 0.55 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion: 76 Resp: 5588

Ion	Ratio	Lower	Upper
76	100		
78	12.1	0.0	39.0
44	16.1	0.0	40.7

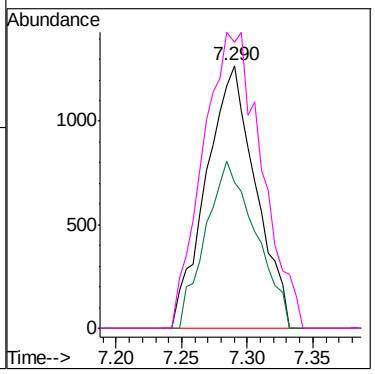


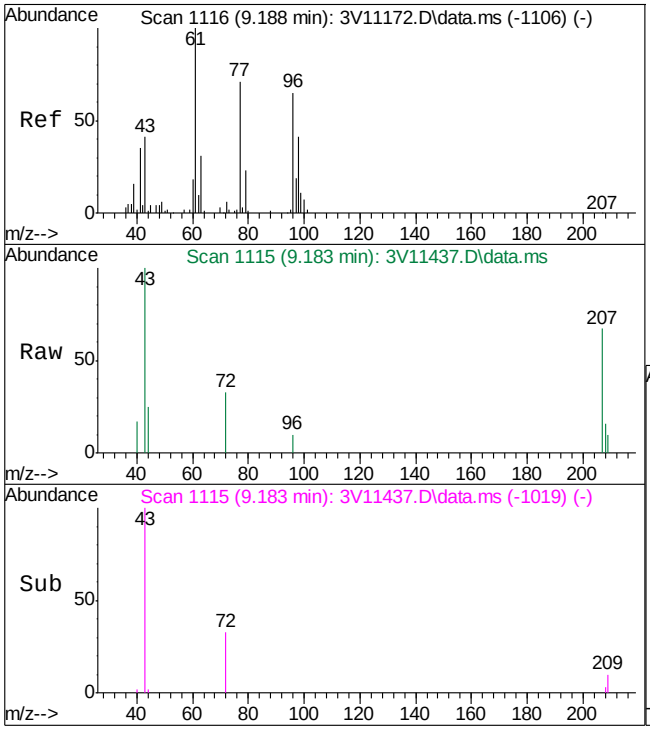


#23
methylene chloride
Concen: 1.03 ug/L
RT: 7.290 min Scan# 754
Delta R.T. 0.005 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion: 84 Resp: 3325

Ion	Ratio	Lower	Upper
84	100		
86	55.6	44.9	83.5
49	108.6	83.8	155.6

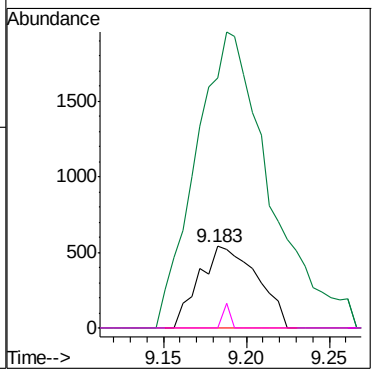


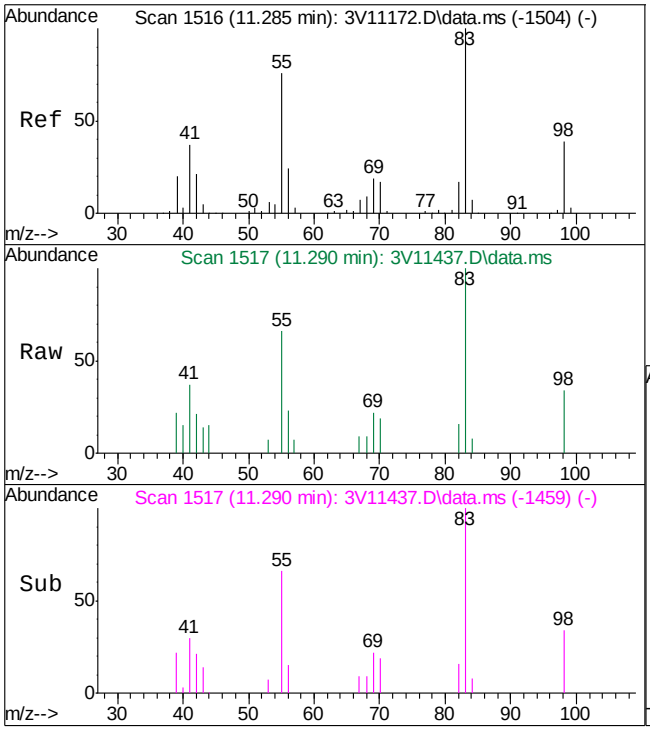


#30
2-butanone
Concen: 5.81 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion: 72 Resp: 1320

Ion	Ratio	Lower	Upper
72	100		
43	460.3	704.9	1309.1#
57	0.0	17.5	32.5#

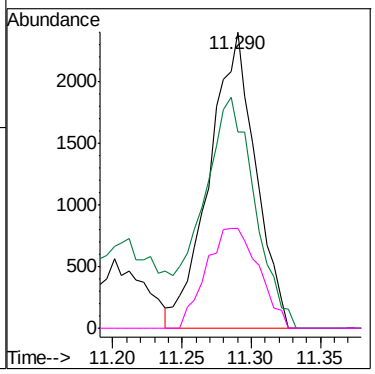


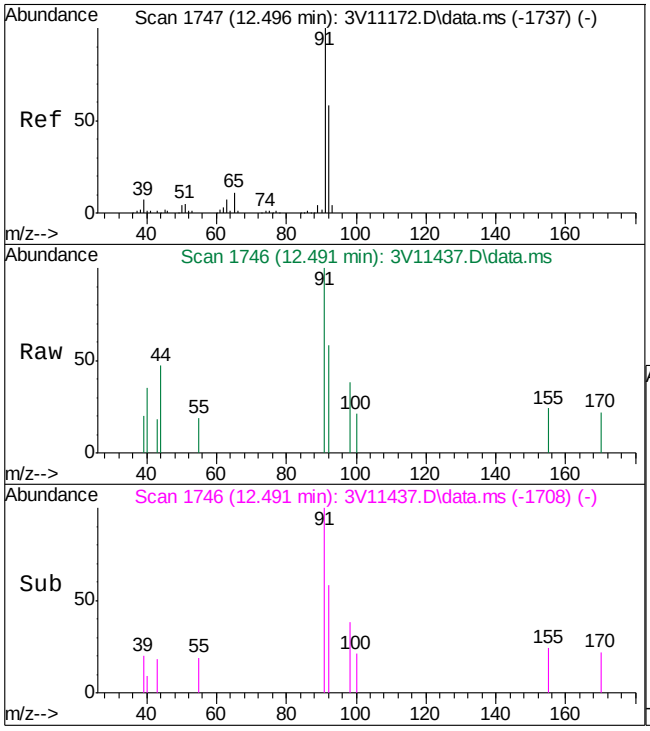


#67
methylcyclohexane
Concen: 1.43 ug/L
RT: 11.290 min Scan# 1517
Delta R.T. 0.005 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion: 83 Resp: 5606

Ion	Ratio	Lower	Upper
83	100		
55	66.3	46.1	106.1
98	33.9	8.8	68.8

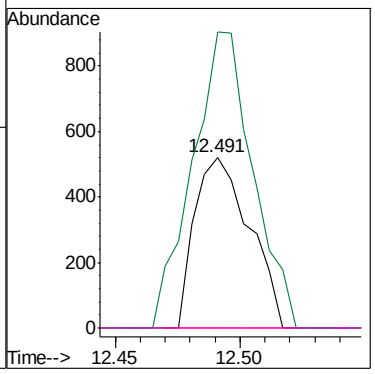


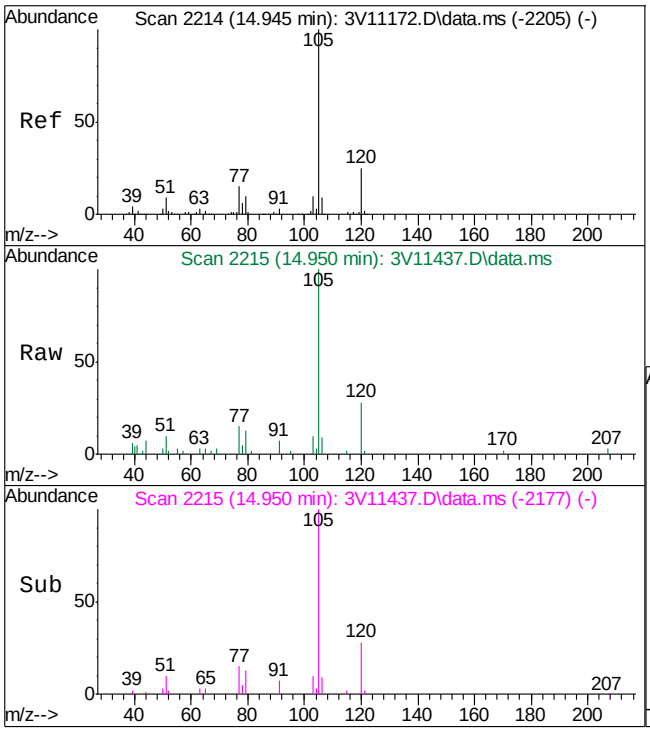


#73
toluene
Concen: 0.15 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. -0.000 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion: 92 Resp: 799

Ion	Ratio	Lower	Upper
92	100		
91	173.5	141.7	201.7
65	0.0	0.0	48.2

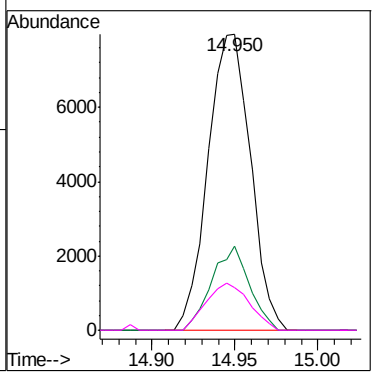




#94
isopropylbenzene
Concen: 1.31 ug/L
RT: 14.950 min Scan# 2215
Delta R.T. -0.000 min
Lab File: 3V11437.D
Acq: 4 Jun 2014 8:02 pm

Tgt Ion:105 Resp: 14176

Ion	Ratio	Lower	Upper
105	100		
120	28.3	0.0	55.7
77	14.6	0.0	44.5



7.1.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11457.D
Acq On : 5 Jun 2014 5:26 pm
Operator : thienn
Sample : jb68173-9
Misc : MS68397,V3V487,5.4,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 10:06:16 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

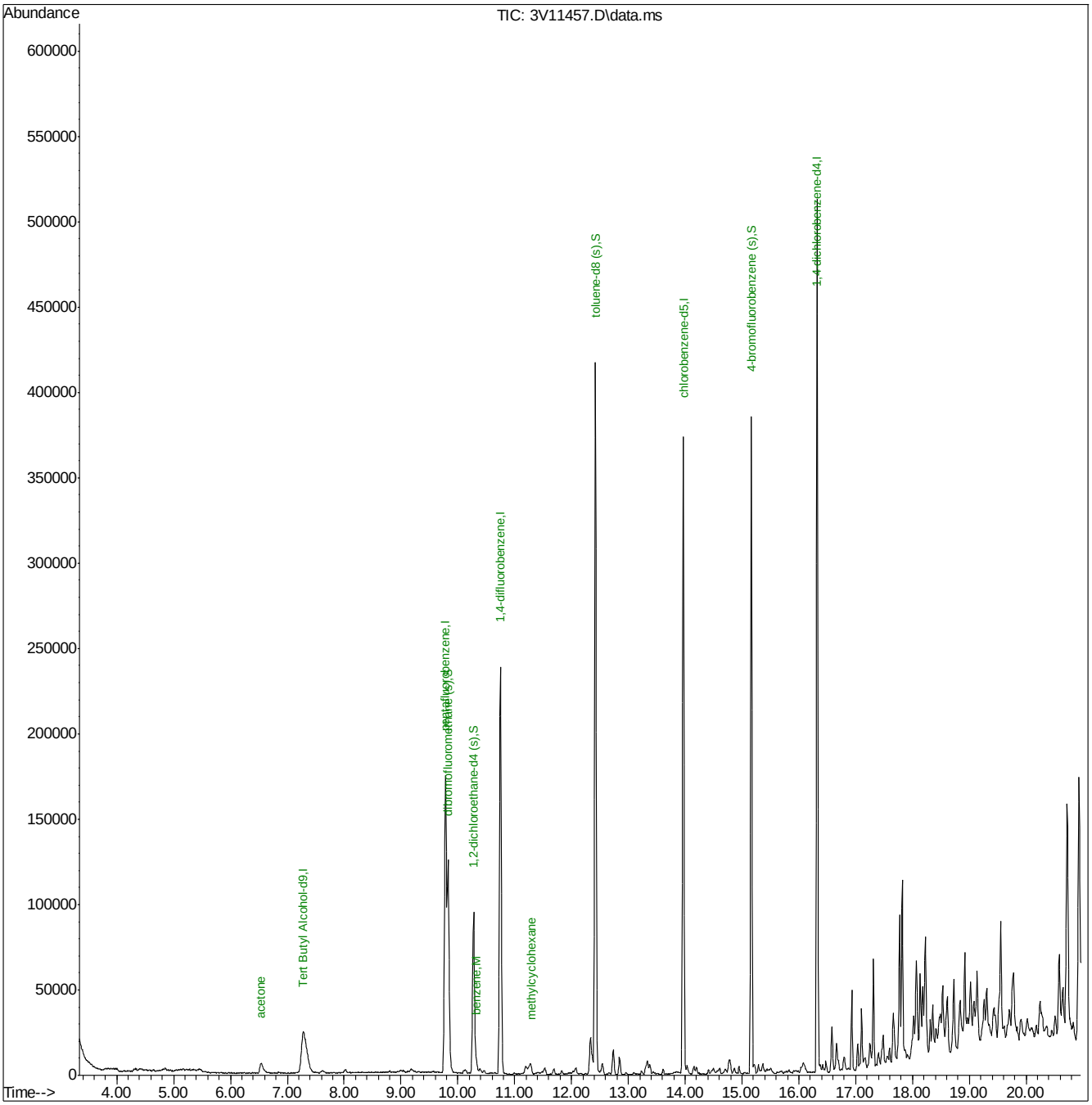
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.274	65	85782	500.00	ug/L	-0.03
5) pentafluorobenzene	9.781	168	166328	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	238839	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	221759	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	132654	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	92216	43.82	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.64%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	79449	43.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 86.24%			
71) toluene-d8 (s)	12.418	98	306609	51.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.66%			
95) 4-bromofluorobenzene (s)	15.165	95	128131	55.09	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 110.18%			
Target Compounds						Qvalue
17) acetone	6.535	43	18146	30.82	ug/L	97
57) benzene	10.326	78	5896	0.79	ug/L	91
67) methylcyclohexane	11.291	83	3090	0.96	ug/L	89

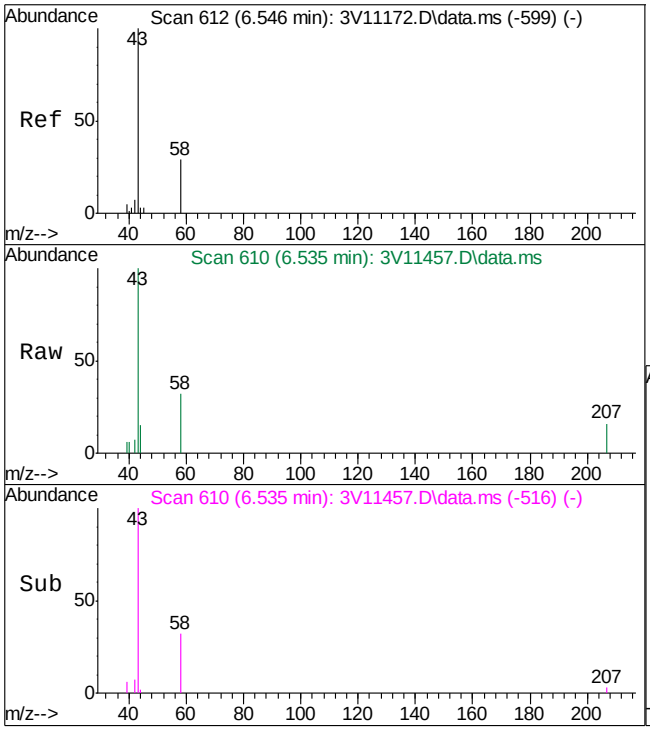
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11457.D
Acq On : 5 Jun 2014 5:26 pm
Operator : thienn
Sample : jb68173-9
Misc : MS68397,V3V487,5.4,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 10:06:16 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

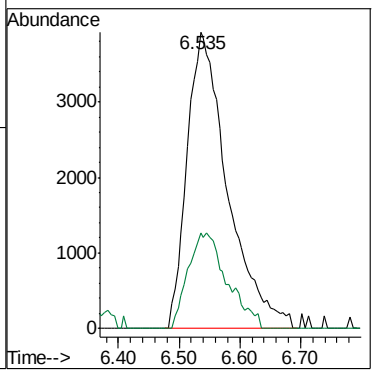


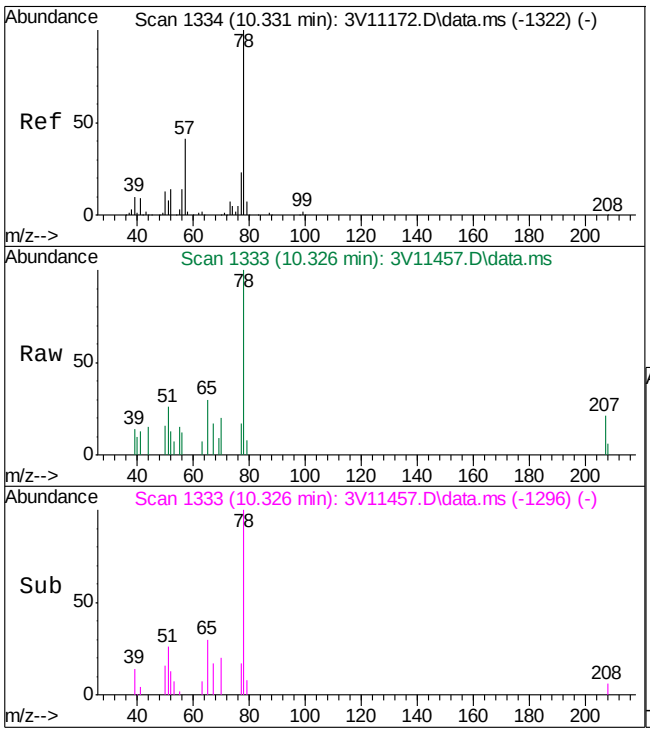


#17
acetone
Concen: 30.82 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11457.D
Acq: 5 Jun 2014 5:26 pm

Tgt Ion: 43 Resp: 18146

Ion	Ratio	Lower	Upper
43	100		
58	32.2	3.8	63.8

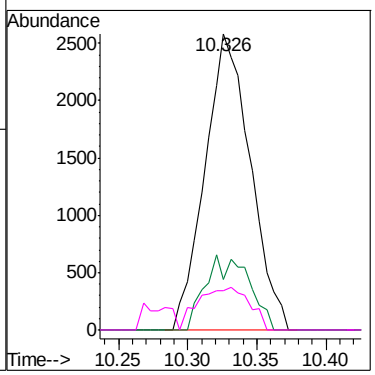


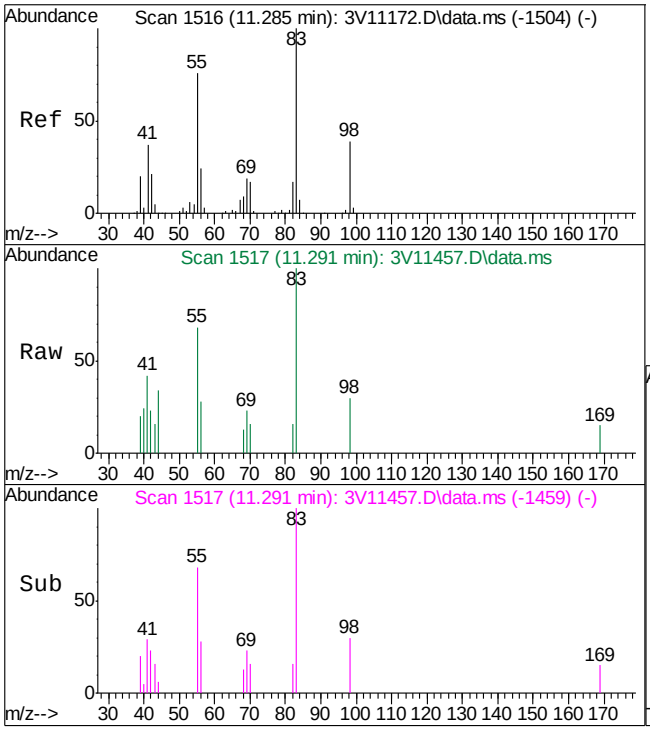


#57
benzene
Concen: 0.79 ug/L
RT: 10.326 min Scan# 1333
Delta R.T. -0.005 min
Lab File: 3V11457.D
Acq: 5 Jun 2014 5:26 pm

Tgt Ion: 78 Resp: 5896

Ion	Ratio	Lower	Upper
78	100		
77	17.3	0.0	53.4
52	13.1	0.0	44.3

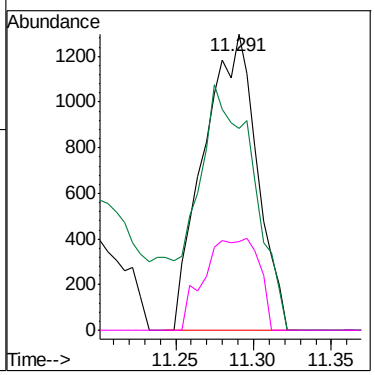




#67
methylcyclohexane
Concen: 0.96 ug/L
RT: 11.291 min Scan# 1517
Delta R.T. 0.005 min
Lab File: 3V11457.D
Acq: 5 Jun 2014 5:26 pm

Tgt Ion: 83 Resp: 3090

Ion	Ratio	Lower	Upper
83	100		
55	68.2	46.1	106.1
98	30.1	8.8	68.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11412.D
Acq On : 4 Jun 2014 6:15 am
Operator : thienn
Sample : jb68173-9
Misc : MS68397,V3V485,6.3,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 09:48:12 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

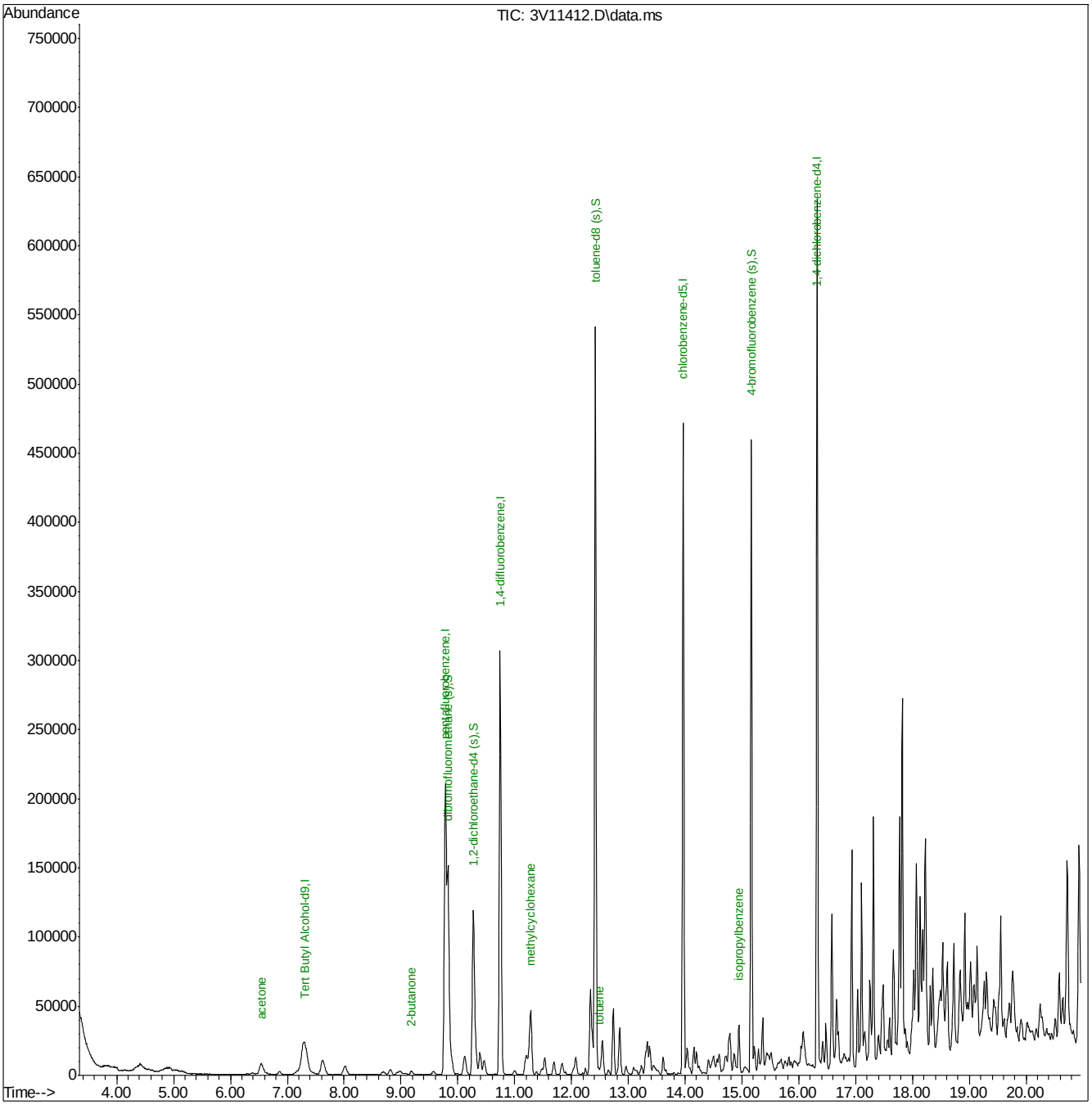
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	92739	500.00	ug/L	0.00
5) pentafluorobenzene	9.780	168	212917	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	312418	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	264499	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	159429	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	119901	44.51	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.02%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	104882	44.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.92%			
71) toluene-d8 (s)	12.418	98	384692	49.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 99.44%			
95) 4-bromofluorobenzene (s)	15.165	95	150299	53.77	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 107.54%			
Target Compounds						Qvalue
17) acetone	6.540	43	27415	36.38	ug/L	94
30) 2-butanone	9.183	72	1201	5.06	ug/L #	1
67) methylcyclohexane	11.285	83	24027	5.73	ug/L	93
73) toluene	12.496	92	1151	0.20	ug/L	94
94) isopropylbenzene	14.945	105	23189	2.30	ug/L	95

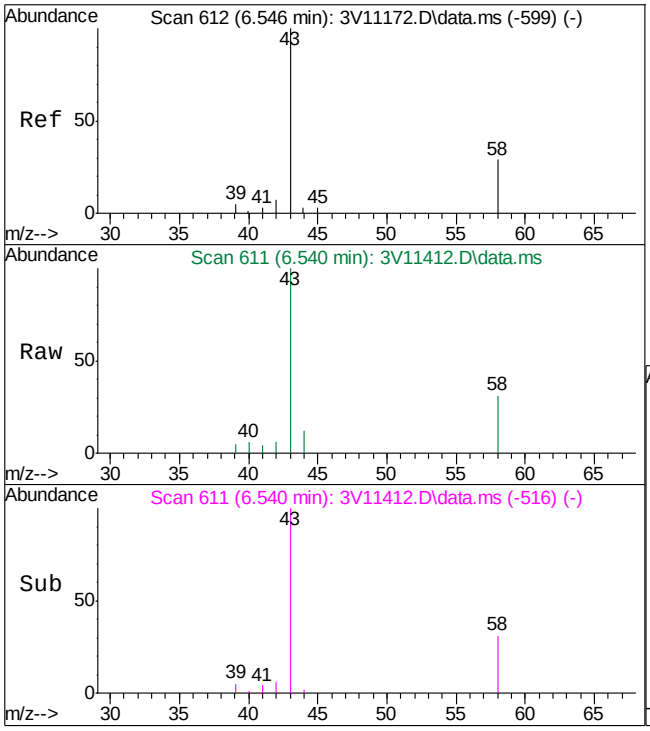
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11412.D
Acq On : 4 Jun 2014 6:15 am
Operator : thienn
Sample : jb68173-9
Misc : MS68397,V3V485,6.3,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 09:48:12 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

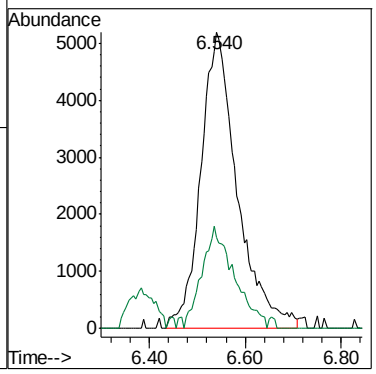


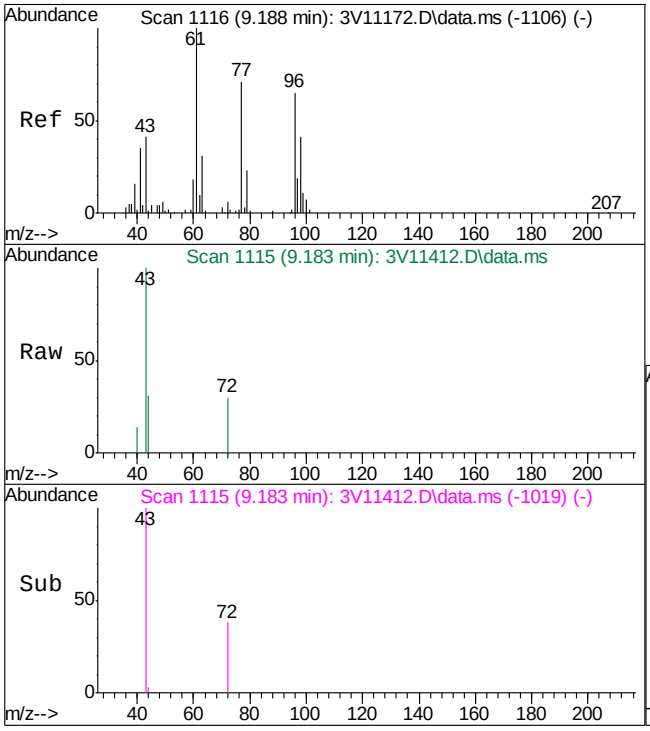


#17
acetone
Concen: 36.38 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11412.D
Acq: 4 Jun 2014 6:15 am

Tgt Ion: 43 Resp: 27415

Ion	Ratio	Lower	Upper
43	100		
58	30.6	3.8	63.8

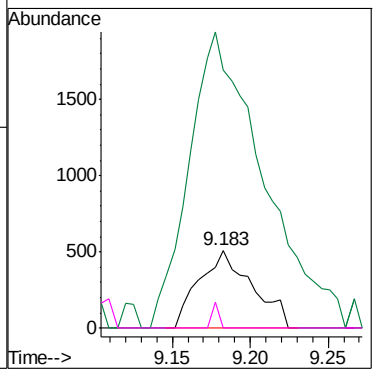


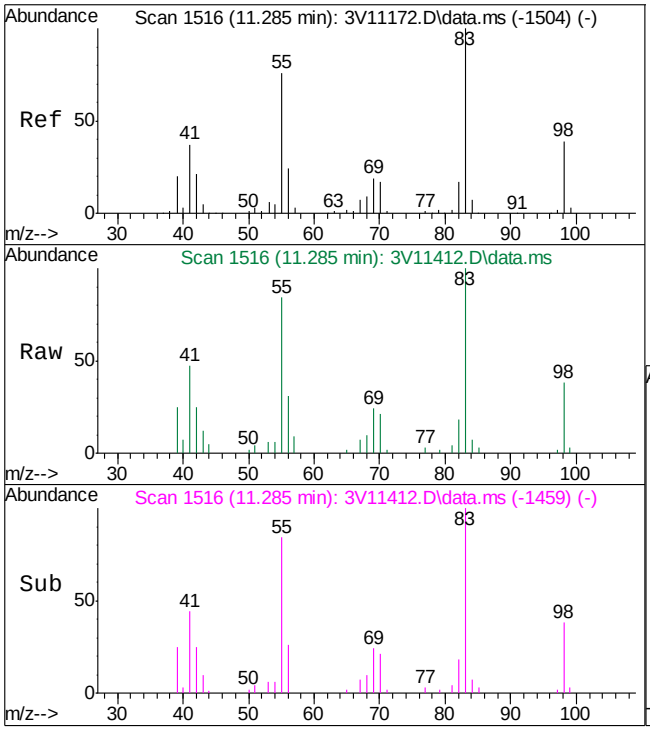


#30
2-butanone
Concen: 5.06 ug/L
RT: 9.183 min Scan# 1115
Delta R.T. 0.005 min
Lab File: 3V11412.D
Acq: 4 Jun 2014 6:15 am

Tgt Ion: 72 Resp: 1201

Ion	Ratio	Lower	Upper
72	100		
43	543.0	704.9	1309.1#
57	0.0	17.5	32.5#

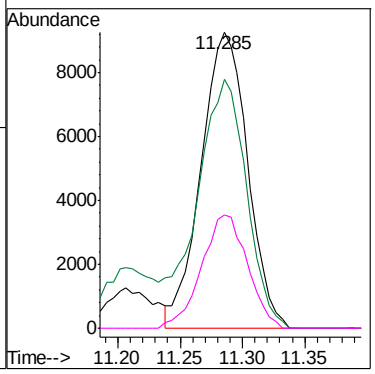


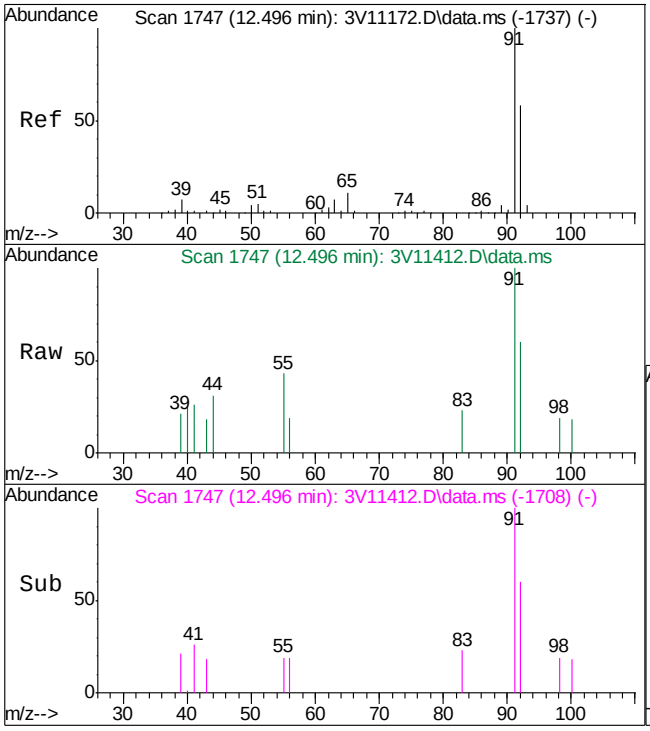


#67
methylcyclohexane
Concen: 5.73 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11412.D
Acq: 4 Jun 2014 6:15 am

Tgt Ion: 83 Resp: 24027

Ion	Ratio	Lower	Upper
83	100		
55	84.2	46.1	106.1
98	38.1	8.8	68.8

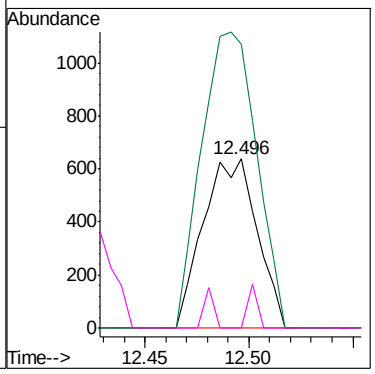


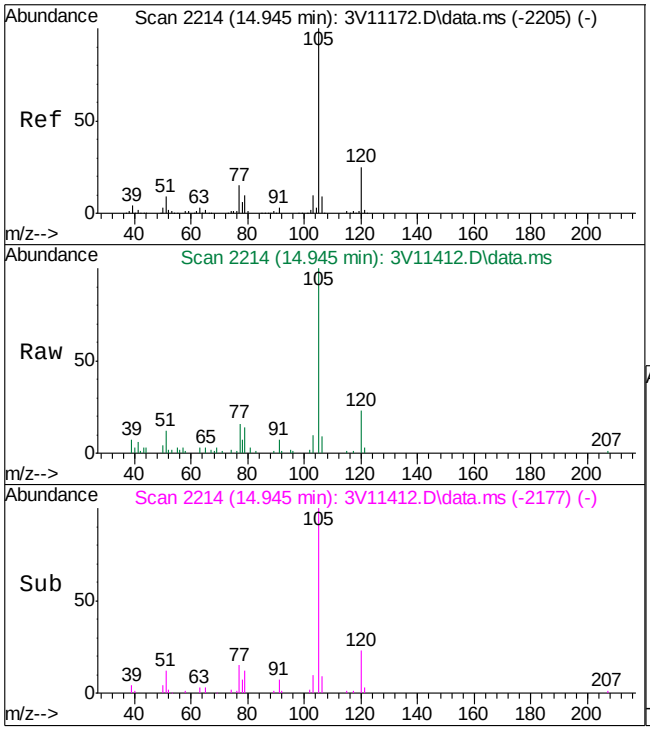


#73
toluene
Concen: 0.20 ug/L
RT: 12.496 min Scan# 1747
Delta R.T. 0.005 min
Lab File: 3V11412.D
Acq: 4 Jun 2014 6:15 am

Tgt Ion: 92 Resp: 1151

Ion	Ratio	Lower	Upper
92	100		
91	168.0	141.7	201.7
65	0.0	0.0	48.2

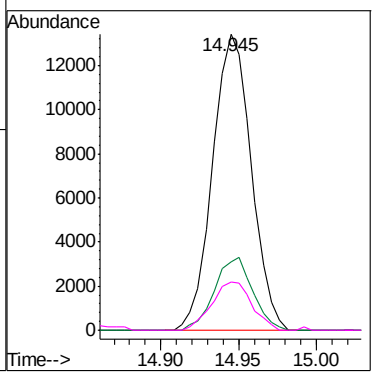




#94
isopropylbenzene
Concen: 2.30 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11412.D
Acq: 4 Jun 2014 6:15 am

Tgt Ion:105 Resp: 23189

Ion	Ratio	Lower	Upper
105	100		
120	23.2	0.0	55.7
77	16.5	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11422.D
Acq On : 4 Jun 2014 1:10 pm
Operator : thienn
Sample : jb68173-10
Misc : MS68397,V3V486,5.8,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 15:48:53 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

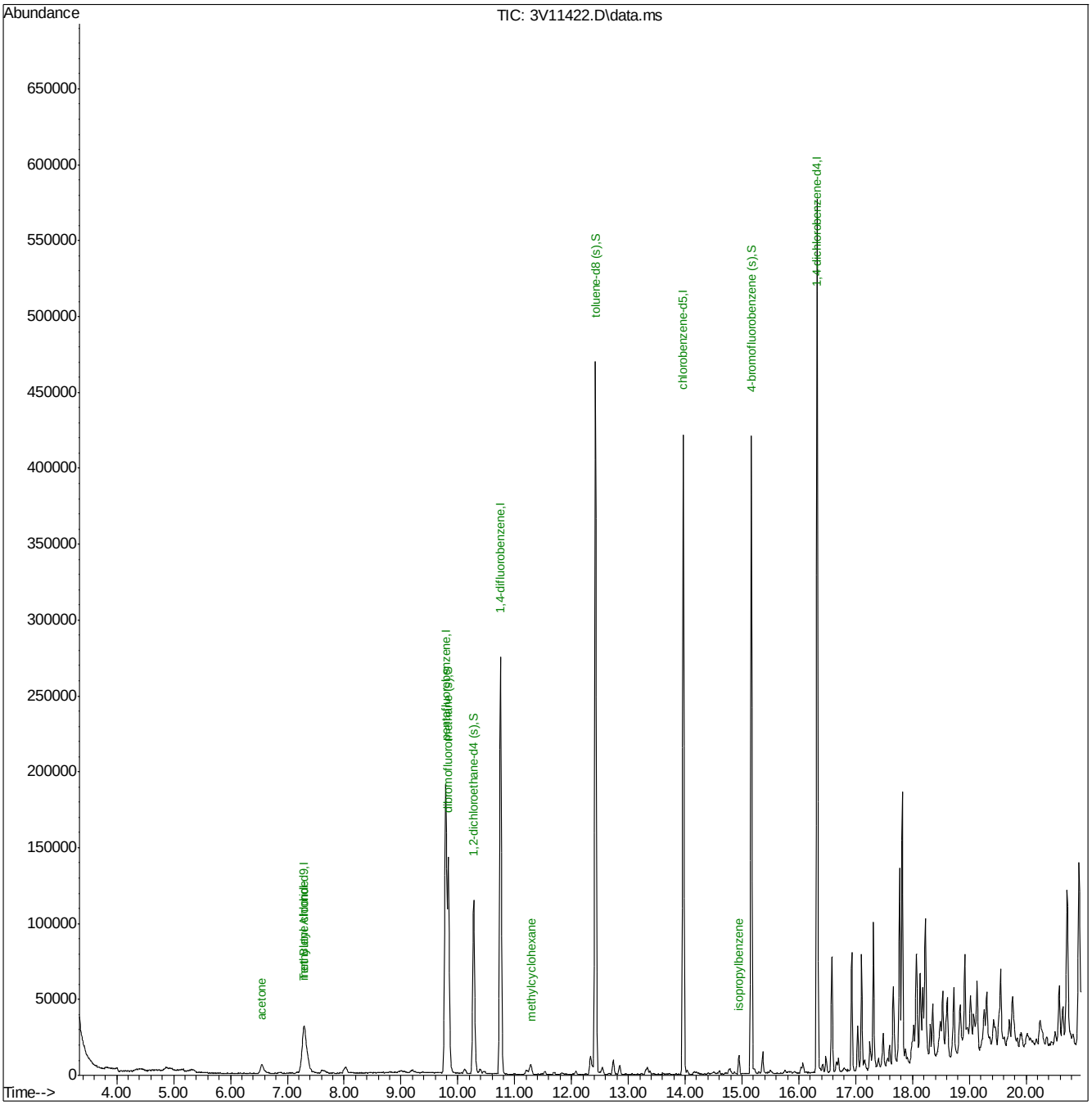
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	88972	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	177478	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	260069	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	238656	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	143067	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	105657	47.05	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 94.10%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	95647	48.65	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 97.30%			
71) toluene-d8 (s)	12.418	98	338302	52.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 105.04%			
95) 4-bromofluorobenzene (s)	15.165	95	138209	55.10	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 110.20%			
Target Compounds						Qvalue
17) acetone	6.551	43	17389	27.68	ug/L	91
23) methylene chloride	7.290	84	7569	2.68	ug/L	84
67) methylcyclohexane	11.290	83	3665	1.05	ug/L	90
94) isopropylbenzene	14.950	105	8968	0.99	ug/L	93

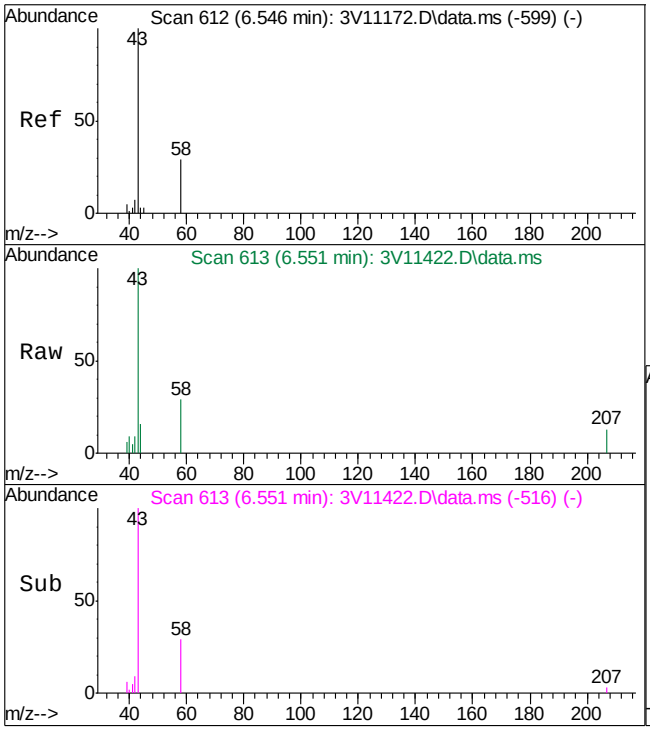
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11422.D
Acq On : 4 Jun 2014 1:10 pm
Operator : thienn
Sample : jb68173-10
Misc : MS68397,V3V486,5.8,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 15:48:53 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

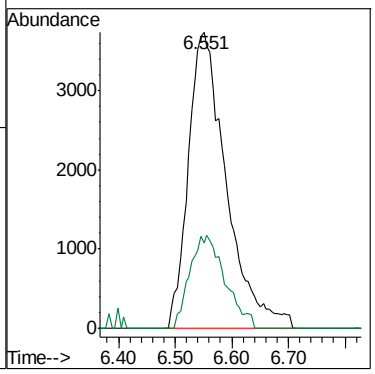


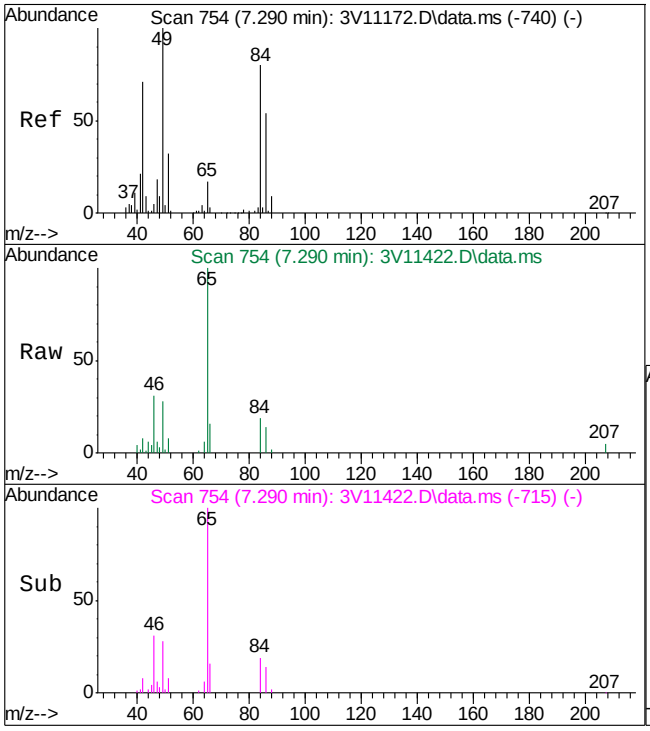


#17
acetone
Concen: 27.68 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11422.D
Acq: 4 Jun 2014 1:10 pm

Tgt Ion: 43 Resp: 17389

Ion	Ratio	Lower	Upper
43	100		
58	28.8	3.8	63.8

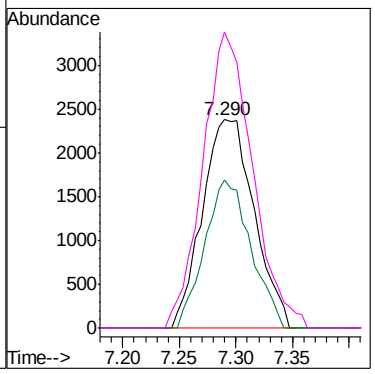


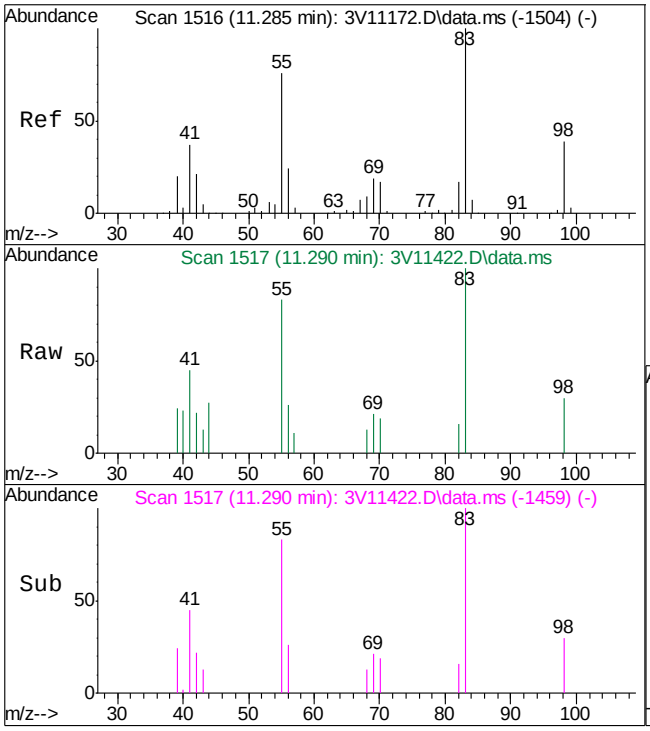


#23
methylene chloride
Concen: 2.68 ug/L
RT: 7.290 min Scan# 754
Delta R.T. 0.005 min
Lab File: 3V11422.D
Acq: 4 Jun 2014 1:10 pm

Tgt Ion: 84 Resp: 7569

Ion	Ratio	Lower	Upper
84	100		
86	71.0	44.9	83.5
49	142.1	83.8	155.6

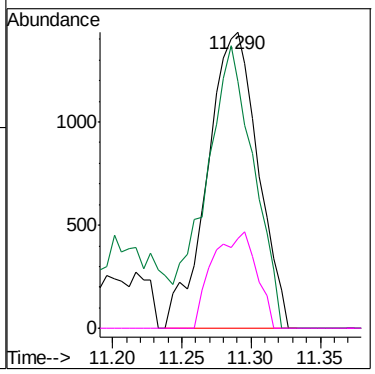


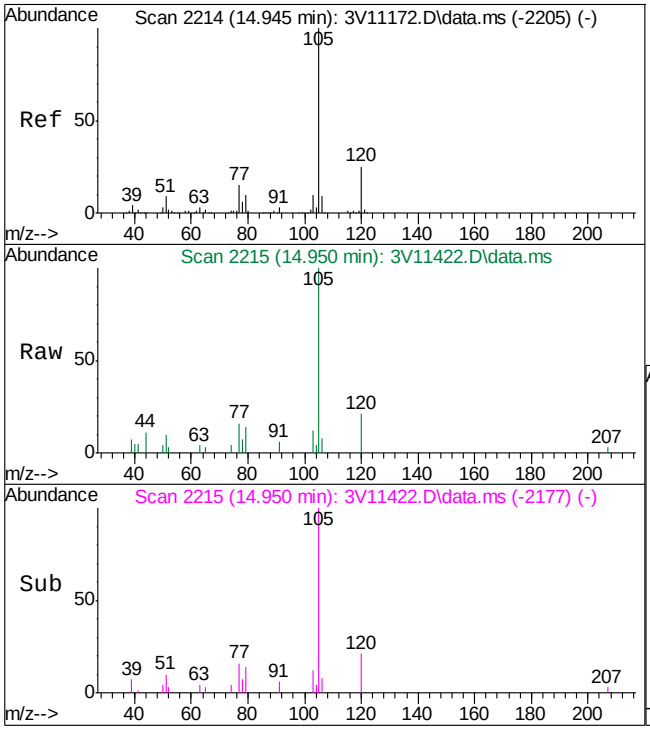


#67
methylcyclohexane
Concen: 1.05 ug/L
RT: 11.290 min Scan# 1517
Delta R.T. 0.005 min
Lab File: 3V11422.D
Acq: 4 Jun 2014 1:10 pm

Tgt Ion: 83 Resp: 3665

Ion	Ratio	Lower	Upper
83	100		
55	83.2	46.1	106.1
98	30.3	8.8	68.8

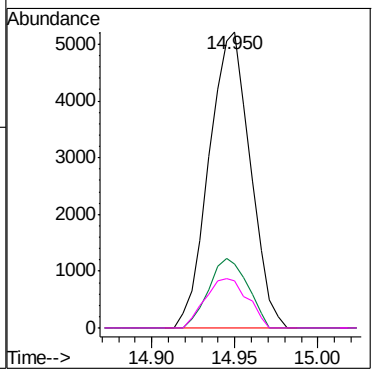




#94
isopropylbenzene
Concen: 0.99 ug/L
RT: 14.950 min Scan# 2215
Delta R.T. 0.000 min
Lab File: 3V11422.D
Acq: 4 Jun 2014 1:10 pm

Tgt Ion:105 Resp: 8968

Ion	Ratio	Lower	Upper
105	100		
120	21.5	0.0	55.7
77	16.1	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11463.D
Acq On : 5 Jun 2014 8:06 pm
Operator : thienn
Sample : jb68173-11
Misc : MS68397,V3V487,6.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 09 10:22:55 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

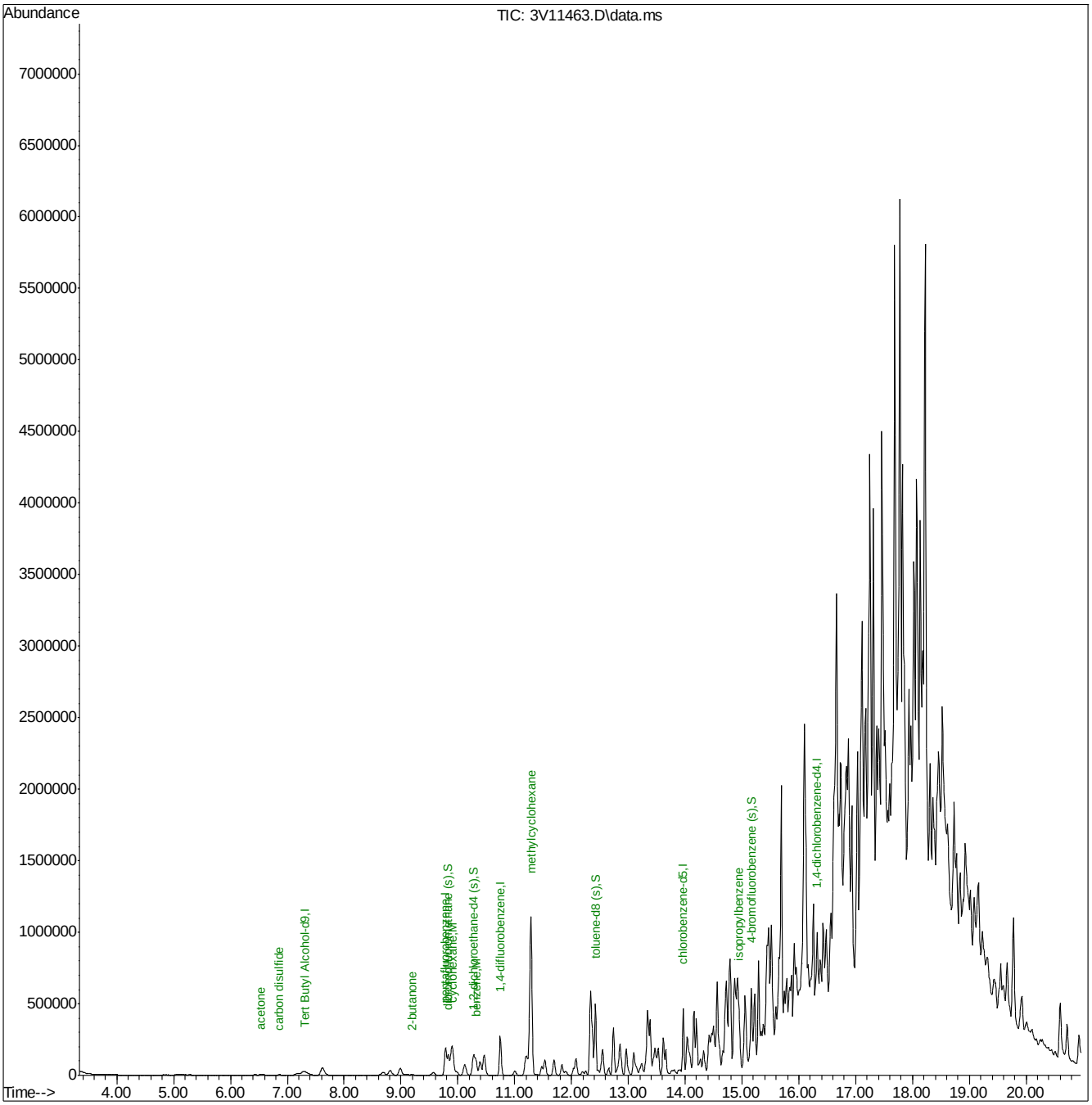
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	96883	500.00	ug/L	0.00
5) pentafluorobenzene	9.781	168	187918	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	273192	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	265564	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	176904	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	103665	43.60	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.20%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	89250	42.87	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 85.74%			
71) toluene-d8 (s)	12.418	98	364833	53.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 107.84%			
95) 4-bromofluorobenzene (s)	15.165	95	162624	52.43	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.86%			
Target Compounds						Qvalue
17) acetone	6.530	43	24724	37.17	ug/L	98
22) carbon disulfide	6.855	76	7746	0.83	ug/L	94
30) 2-butanone	9.199	72	1393	6.65	ug/L #	1
52) cyclohexane	9.906	84	100430	28.19	ug/L #	26
57) benzene	10.326	78	16420	1.93	ug/L	93
67) methylcyclohexane	11.291	83	624998	170.47	ug/L	96
94) isopropylbenzene	14.945	105	14776	1.32	ug/L	92

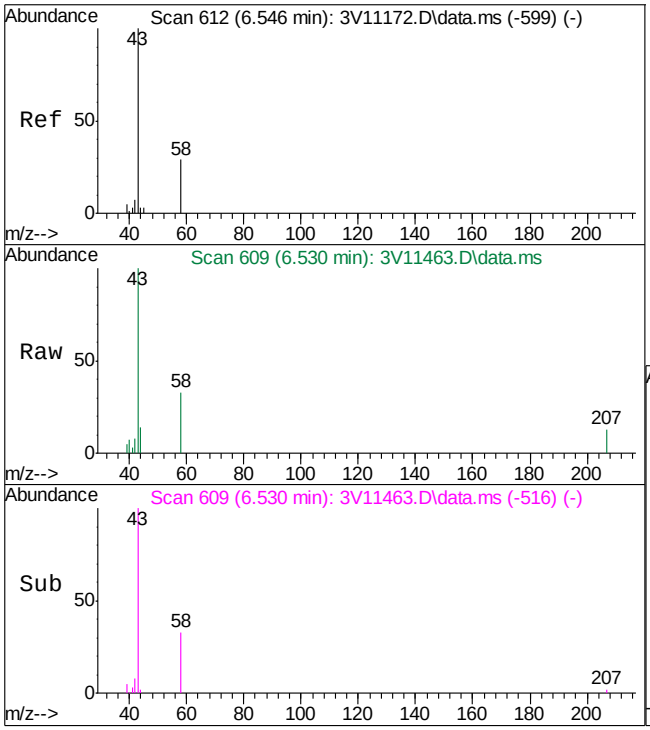
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11463.D
Acq On : 5 Jun 2014 8:06 pm
Operator : thienn
Sample : jb68173-11
Misc : MS68397,V3V487,6.8,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 09 10:22:55 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

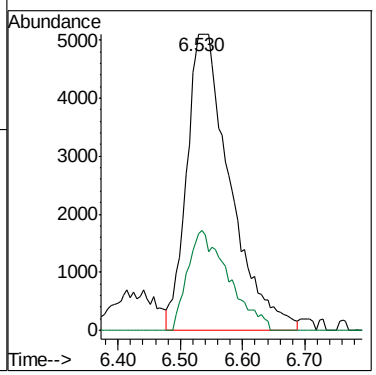


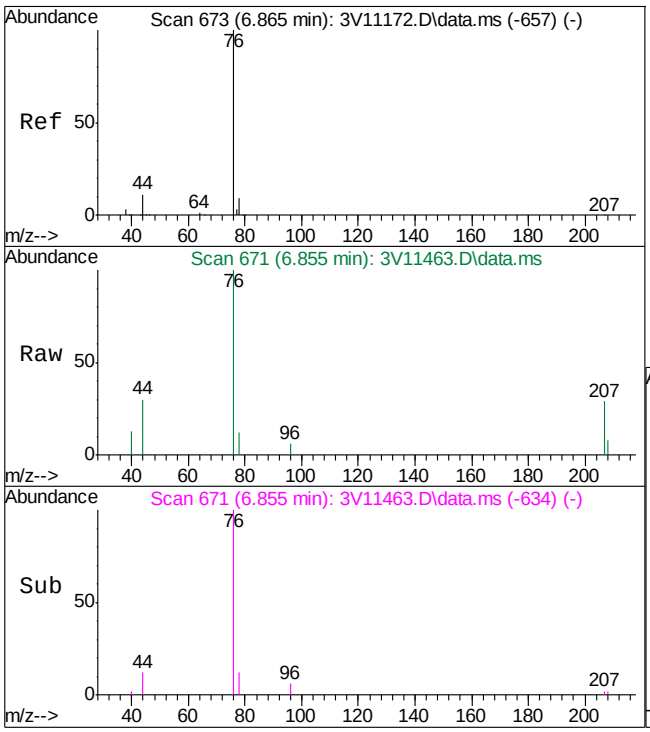


#17
acetone
Concen: 37.17 ug/L
RT: 6.530 min Scan# 609
Delta R.T. -0.010 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion: 43 Resp: 24724

Ion	Ratio	Lower	Upper
43	100		
58	32.7	3.8	63.8

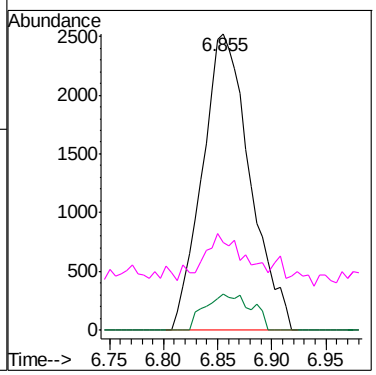


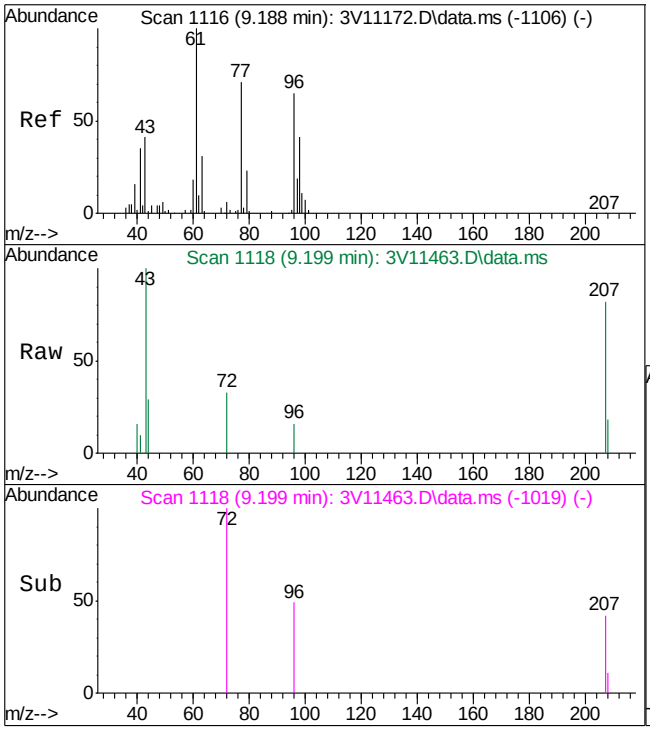


#22
carbon disulfide
Concen: 0.83 ug/L
RT: 6.855 min Scan# 671
Delta R.T. -0.005 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion: 76 Resp: 7746

Ion	Ratio	Lower	Upper
76	100		
78	12.2	0.0	39.0
44	9.1	0.0	40.7

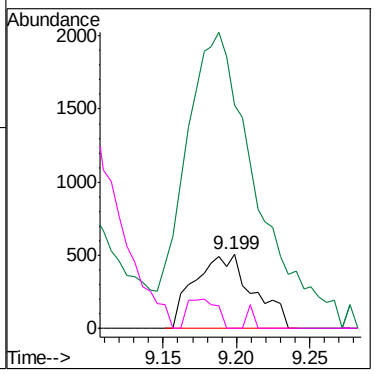


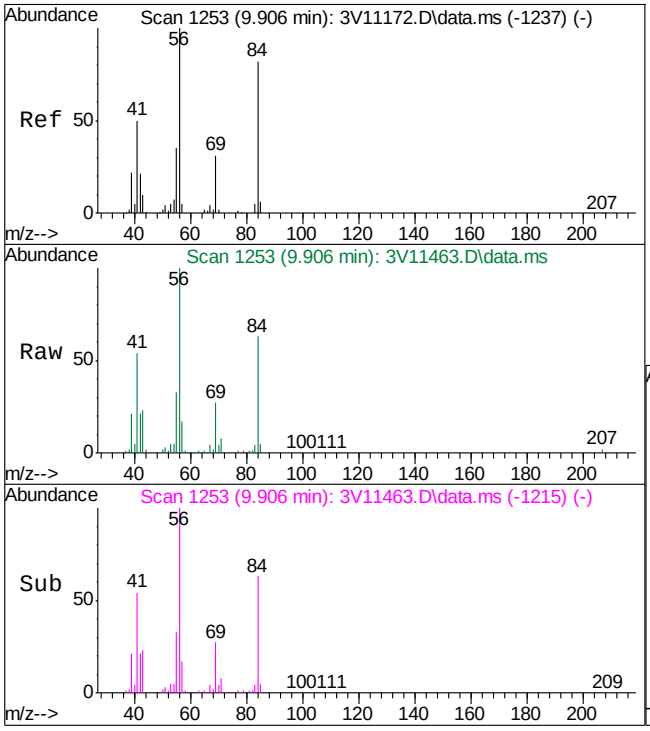


#30
2-butanone
Concen: 6.65 ug/L
RT: 9.199 min Scan# 1118
Delta R.T. 0.021 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion: 72 Resp: 1393

Ion	Ratio	Lower	Upper
72	100		
43	485.7	704.9	1309.1#
57	0.0	17.5	32.5#

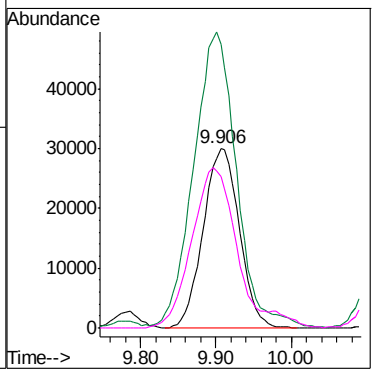


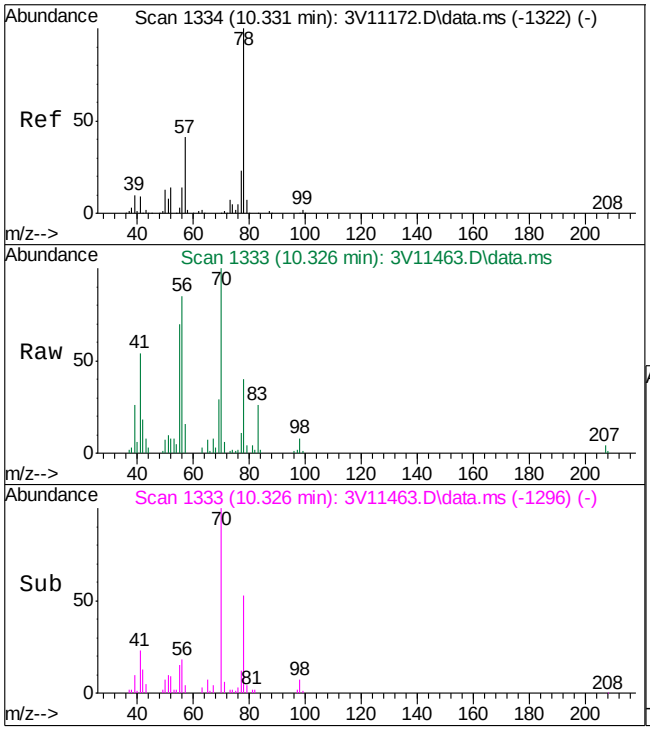


#52
cyclohexane
Concen: 28.19 ug/L
RT: 9.906 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion: 84 Resp: 100430

Ion	Ratio	Lower	Upper
84	100		
56	194.9	86.7	146.7#
41	112.8	25.3	85.3#

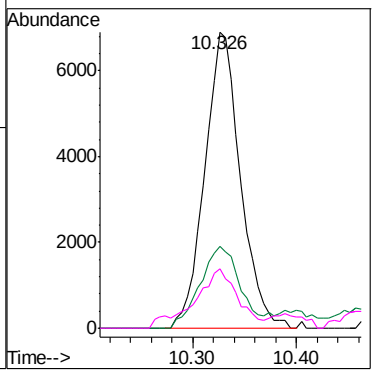


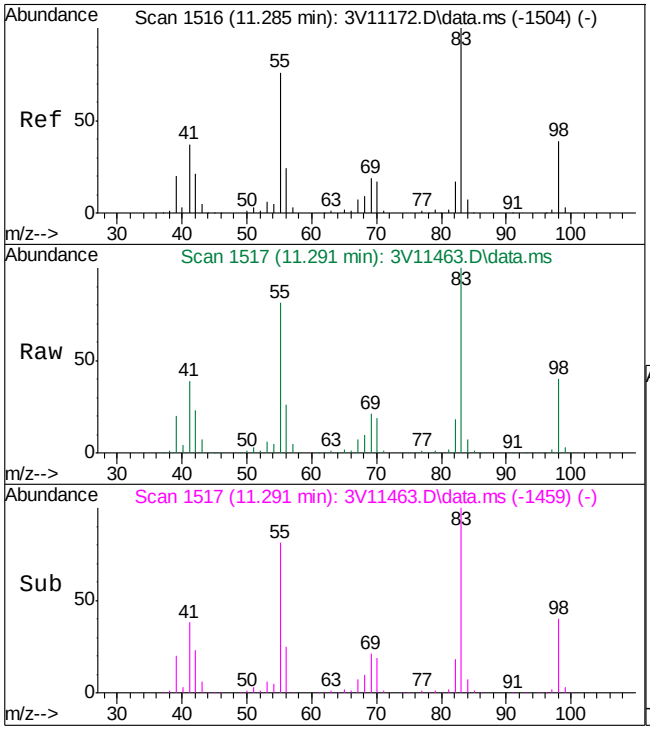


#57
benzene
Concen: 1.93 ug/L
RT: 10.326 min Scan# 1333
Delta R.T. -0.005 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion: 78 Resp: 16420

Ion	Ratio	Lower	Upper
78	100		
77	27.5	0.0	53.4
52	16.2	0.0	44.3

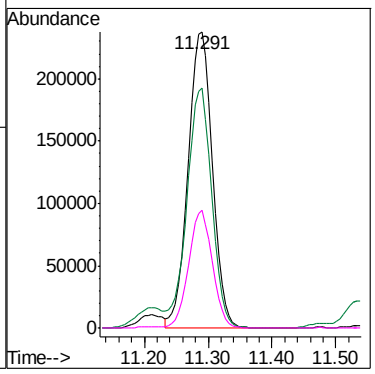


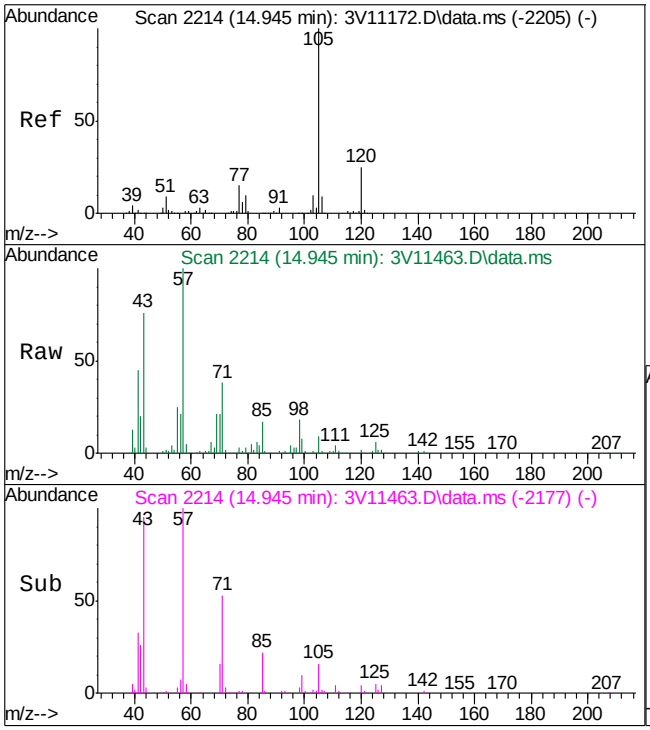


#67
methylcyclohexane
Concen: 170.47 ug/L
RT: 11.291 min Scan# 1517
Delta R.T. 0.006 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion: 83 Resp: 624998

Ion	Ratio	Lower	Upper
83	100		
55	80.8	46.1	106.1
98	39.9	8.8	68.8

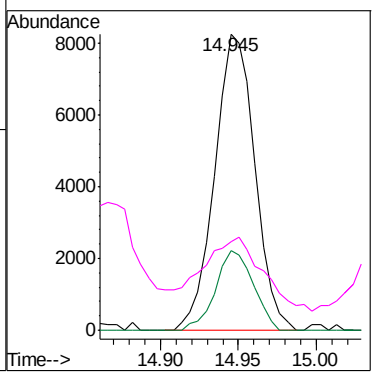




#94
isopropylbenzene
Concen: 1.32 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11463.D
Acq: 5 Jun 2014 8:06 pm

Tgt Ion:105 Resp: 14776

Ion	Ratio	Lower	Upper
105	100		
120	26.8	0.0	55.7
77	21.5	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11462.D
Acq On : 5 Jun 2014 7:40 pm
Operator : thienn
Sample : jb68173-12
Misc : MS68397,V3V487,7.1,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 09 10:21:38 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

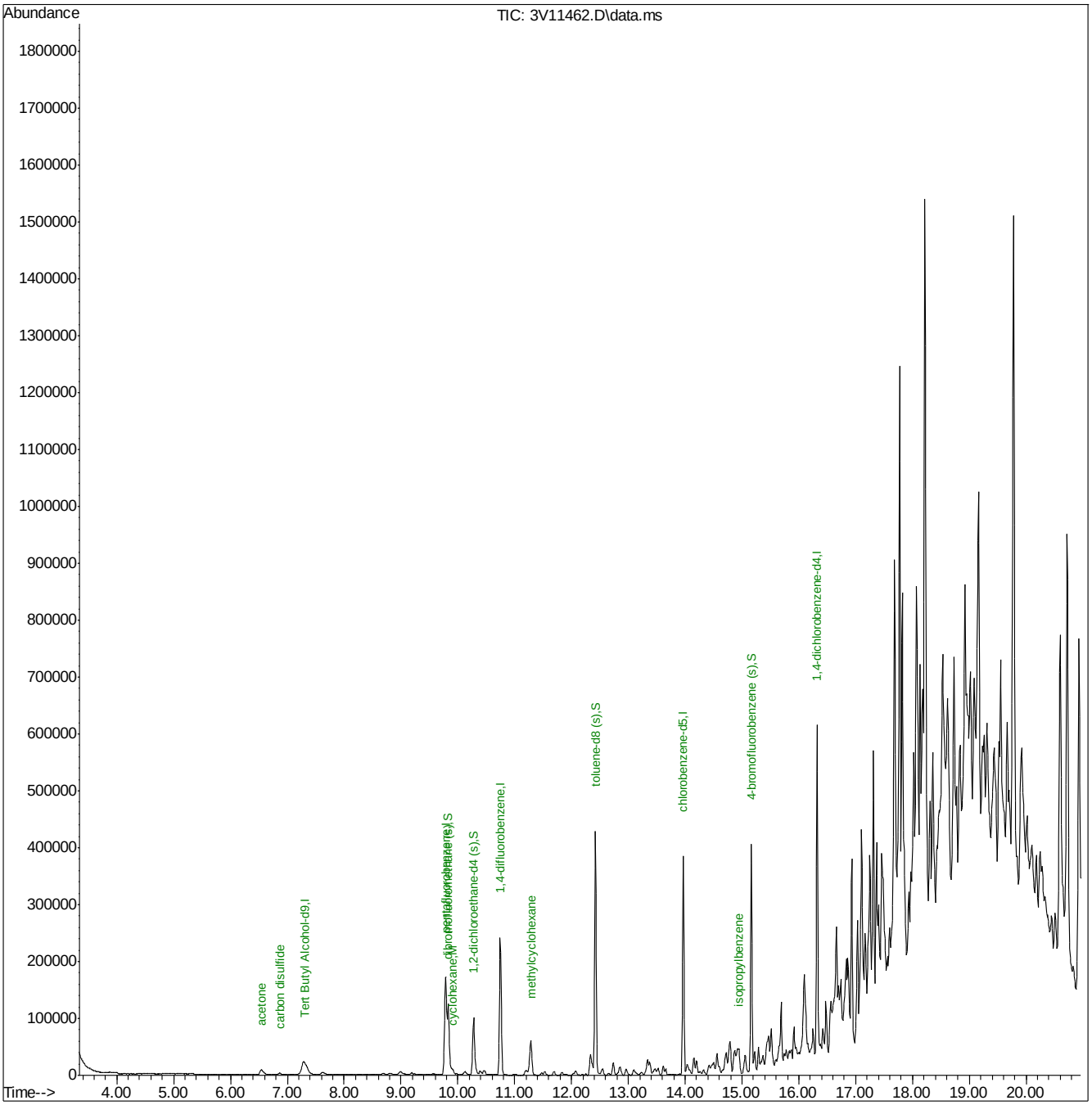
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.301	65	78204	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	164494	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	238318	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	221848	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150751	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	92559	44.47	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 88.94%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	81743	44.86	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.72%			
71) toluene-d8 (s)	12.418	98	307828	52.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.30%			
95) 4-bromofluorobenzene (s)	15.165	95	130701	49.45	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 98.90%			
Target Compounds						Qvalue
17) acetone	6.540	43	24913	42.79	ug/L	94
22) carbon disulfide	6.865	76	6930	0.84	ug/L	96
52) cyclohexane	9.912	84	4376	1.41	ug/L #	5
67) methylcyclohexane	11.291	83	31143	9.74	ug/L	95
94) isopropylbenzene	14.950	105	12642	1.33	ug/L	95

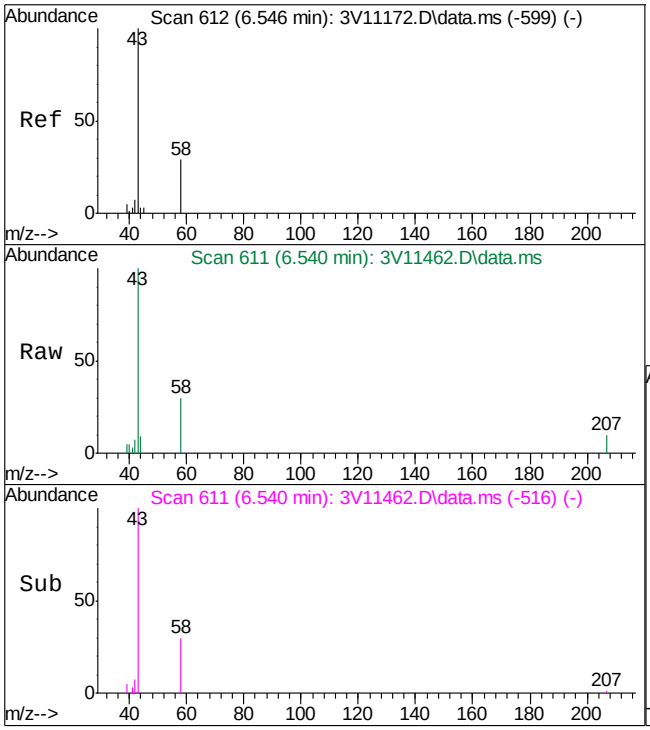
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11462.D
Acq On : 5 Jun 2014 7:40 pm
Operator : thienn
Sample : jb68173-12
Misc : MS68397,V3V487,7.1,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 09 10:21:38 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

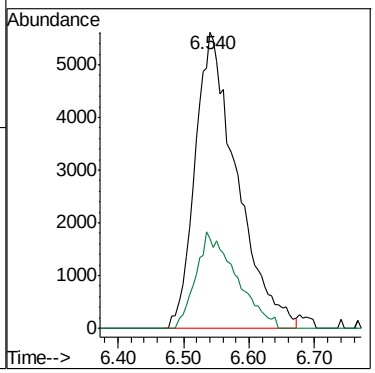


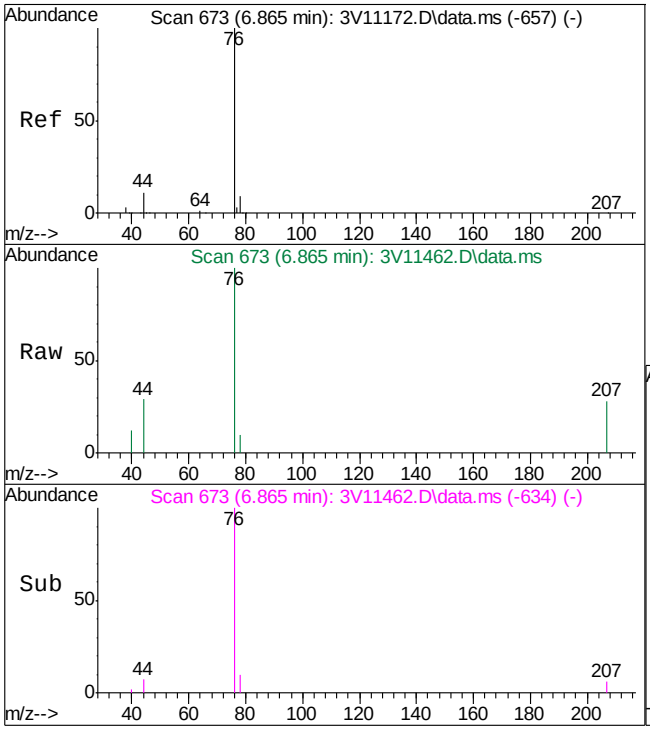


#17
acetone
Concen: 42.79 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11462.D
Acq: 5 Jun 2014 7:40 pm

Tgt Ion: 43 Resp: 24913

Ion	Ratio	Lower	Upper
43	100		
58	30.3	3.8	63.8

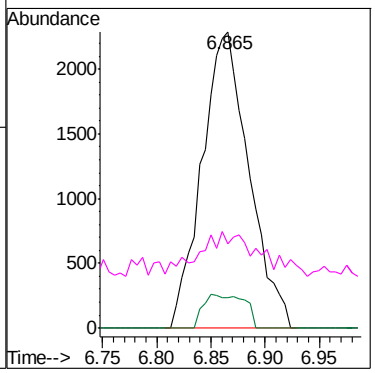


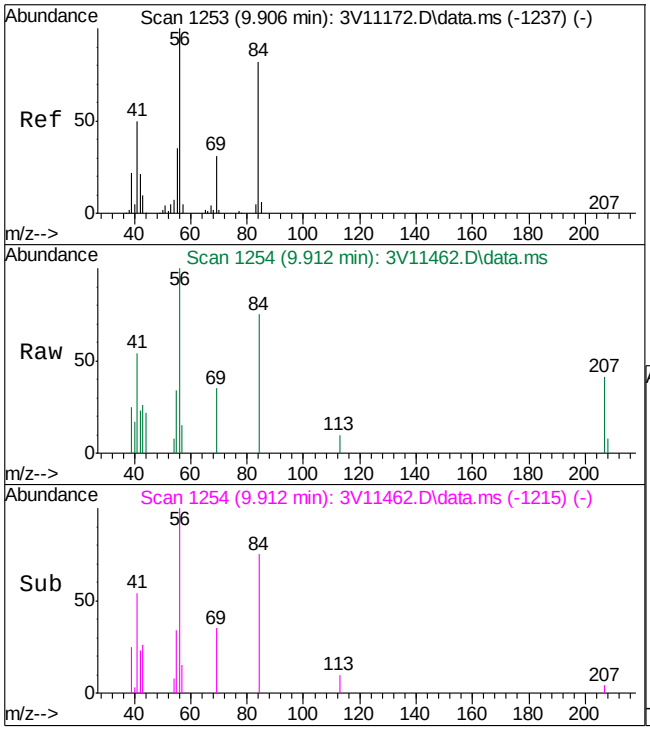


#22
carbon disulfide
Concen: 0.84 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11462.D
Acq: 5 Jun 2014 7:40 pm

Tgt Ion: 76 Resp: 6930

Ion	Ratio	Lower	Upper
76	100		
78	10.4	0.0	39.0
44	8.9	0.0	40.7

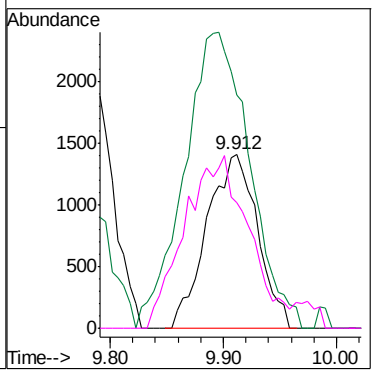


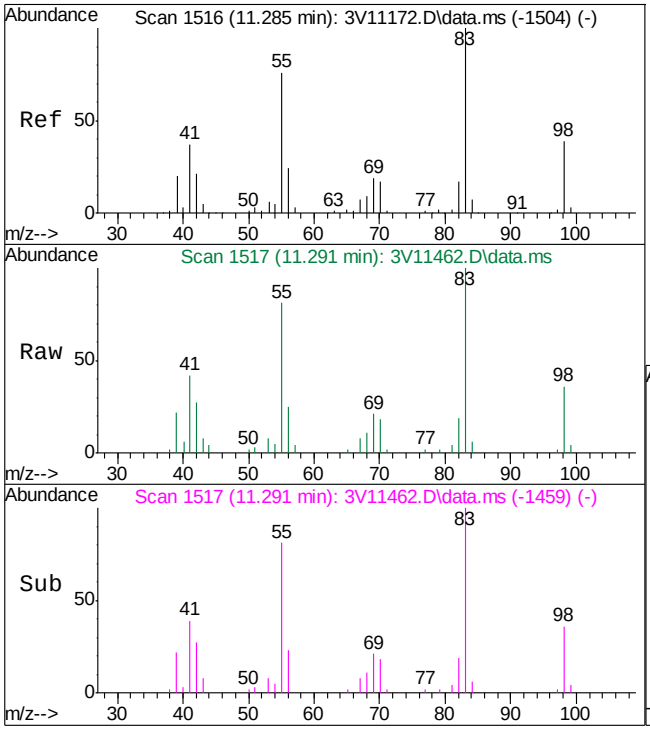


#52
cyclohexane
Concen: 1.41 ug/L
RT: 9.912 min Scan# 1254
Delta R.T. 0.005 min
Lab File: 3V11462.D
Acq: 5 Jun 2014 7:40 pm

Tgt Ion: 84 Resp: 4376

Ion	Ratio	Lower	Upper
84	100		
56	219.1	86.7	146.7#
41	125.4	25.3	85.3#

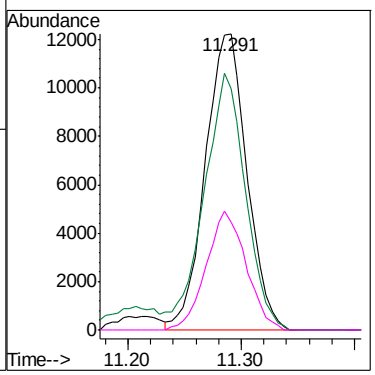


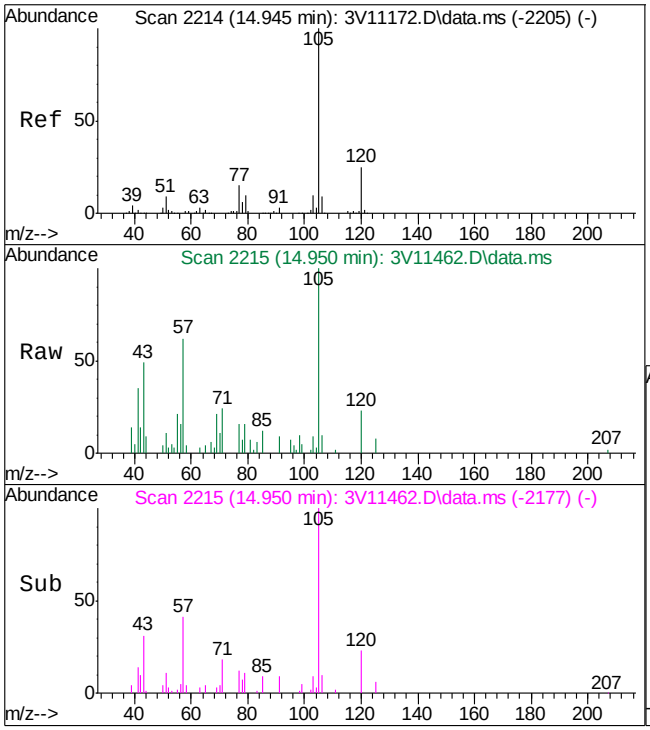


#67
methylcyclohexane
Concen: 9.74 ug/L
RT: 11.291 min Scan# 1517
Delta R.T. 0.006 min
Lab File: 3V11462.D
Acq: 5 Jun 2014 7:40 pm

Tgt Ion: 83 Resp: 31143

Ion	Ratio	Lower	Upper
83	100		
55	81.5	46.1	106.1
98	36.5	8.8	68.8

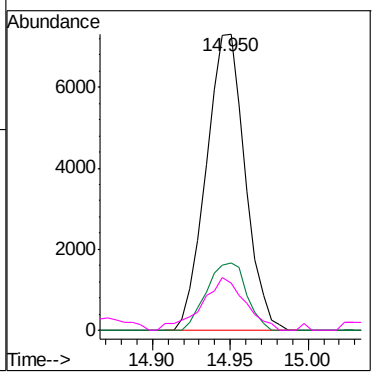




#94
isopropylbenzene
Concen: 1.33 ug/L
RT: 14.950 min Scan# 2215
Delta R.T. 0.000 min
Lab File: 3V11462.D
Acq: 5 Jun 2014 7:40 pm

Tgt Ion:105 Resp: 12642

Ion	Ratio	Lower	Upper
105	100		
120	22.8	0.0	55.7
77	16.1	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11432.D
Acq On : 4 Jun 2014 5:49 pm
Operator : thienn
Sample : jb68173-13
Misc : MS68397,V3V486,4,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 11:11:48 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

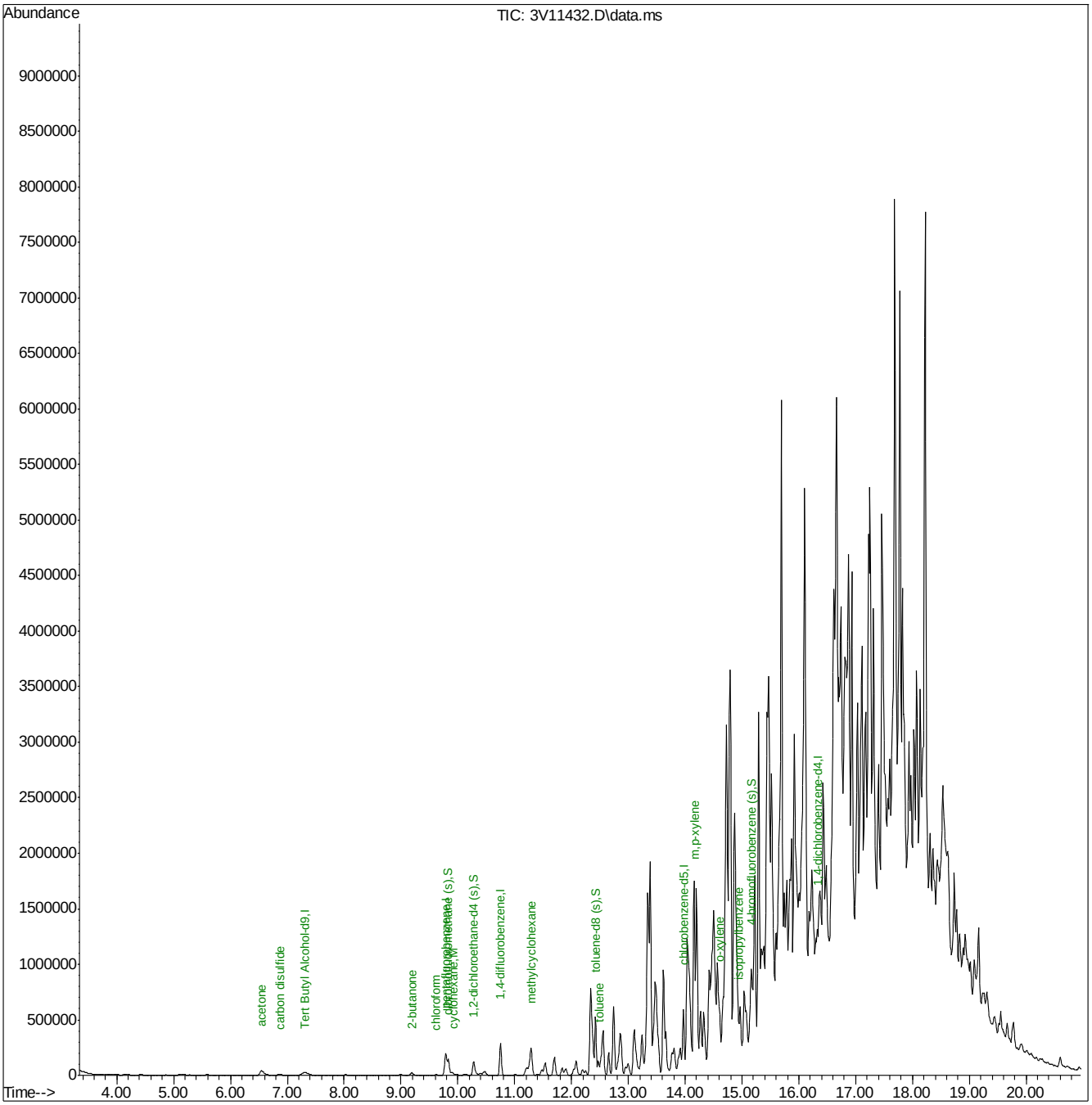
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.311	65	100265	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	192938	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	282034	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	264542	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.329	152	160499	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	109056	44.67	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.34%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	98734	46.19	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.38%			
71) toluene-d8 (s)	12.418	98	381931	54.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 109.36%			
95) 4-bromofluorobenzene (s)	15.165	95	147950	52.57	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 105.14%			
Target Compounds						Qvalue
17) acetone	6.546	43	123799	181.29	ug/L	95
22) carbon disulfide	6.865	76	23909	2.48	ug/L	97
30) 2-butanone	9.188	72	10648	49.51	ug/L #	1
42) chloroform	9.618	83	4599	1.00	ug/L	96
52) cyclohexane	9.917	84	9396	2.55	ug/L #	2
67) methylcyclohexane	11.291	83	131121	34.64	ug/L	94
73) toluene	12.491	92	4908	0.96	ug/L	96
89) m,p-xylene	14.164	106	2155	0.53	ug/L #	24
90) o-xylene	14.599	106	2291	0.58	ug/L #	55
94) isopropylbenzene	14.945	105	7681	0.76	ug/L #	49

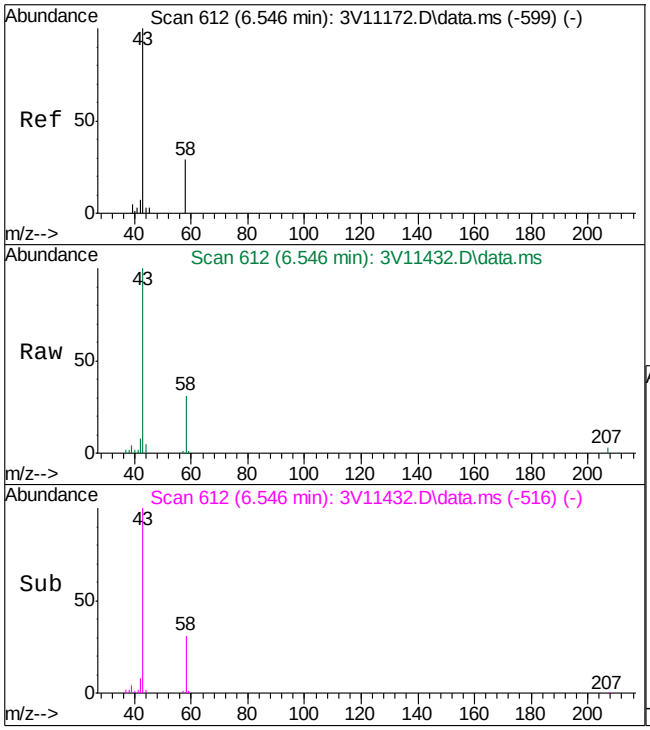
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11432.D
Acq On : 4 Jun 2014 5:49 pm
Operator : thienn
Sample : jb68173-13
Misc : MS68397,V3V486,4,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 11:11:48 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

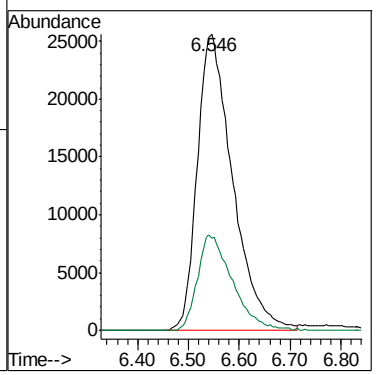


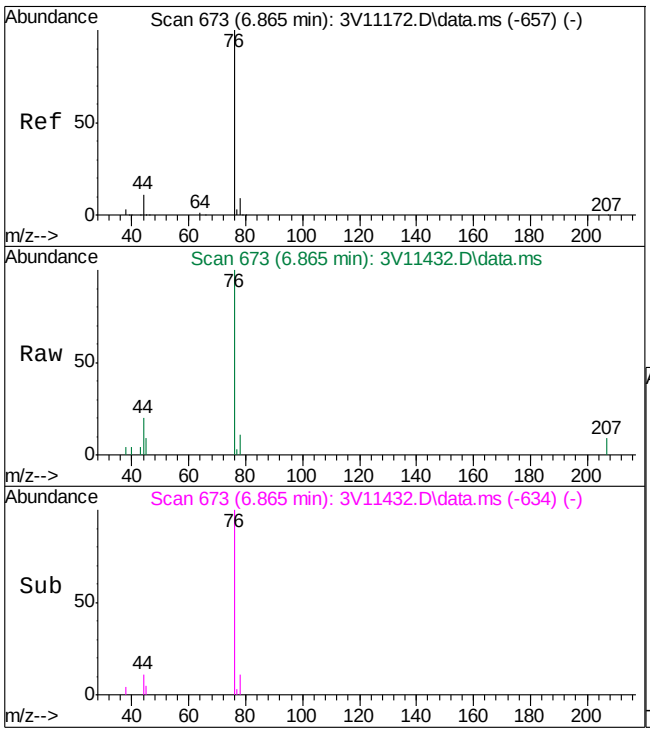


#17
acetone
Concen: 181.29 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 43 Resp: 123799

Ion	Ratio	Lower	Upper
43	100		
58	31.0	3.8	63.8

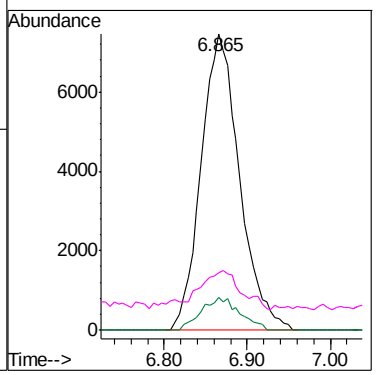


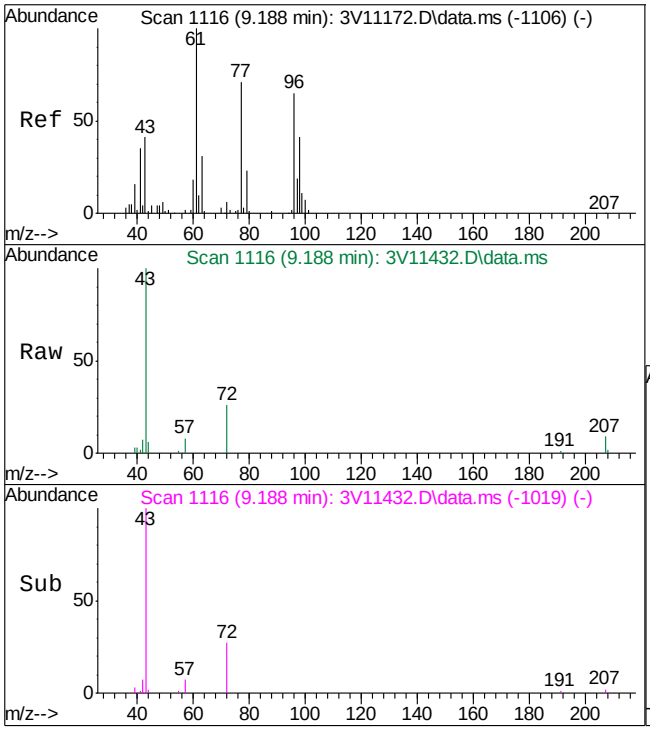


#22
carbon disulfide
Concen: 2.48 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 76 Resp: 23909

Ion	Ratio	Lower	Upper
76	100		
78	10.9	0.0	39.0
44	11.0	0.0	40.7

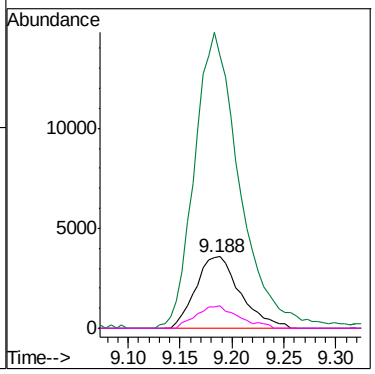


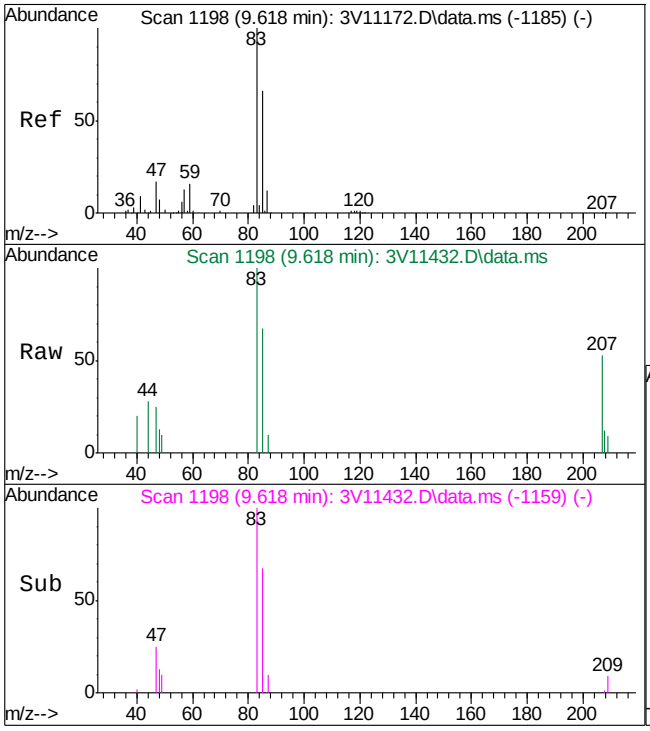


#30
2-butanone
Concen: 49.51 ug/L
RT: 9.188 min Scan# 1116
Delta R.T. 0.010 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 72 Resp: 10648

Ion	Ratio	Lower	Upper
72	100		
43	423.6	704.9	1309.1#
57	30.1	17.5	32.5

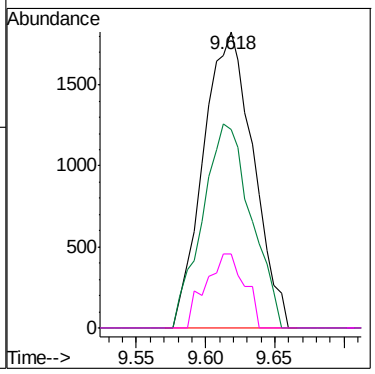


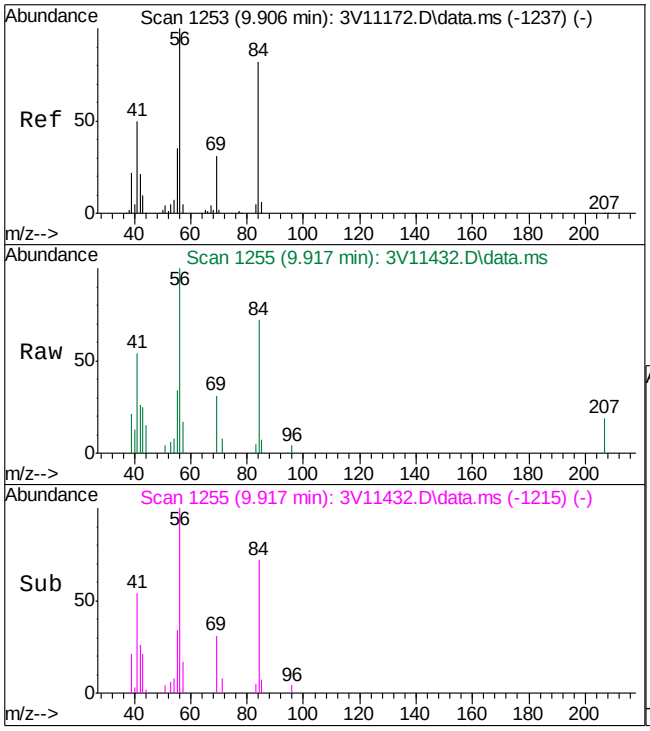


#42
chloroform
Concen: 1.00 ug/L
RT: 9.618 min Scan# 1198
Delta R.T. 0.005 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 83 Resp: 4599

Ion	Ratio	Lower	Upper
83	100		
85	67.1	35.4	95.4
47	25.1	0.0	50.7

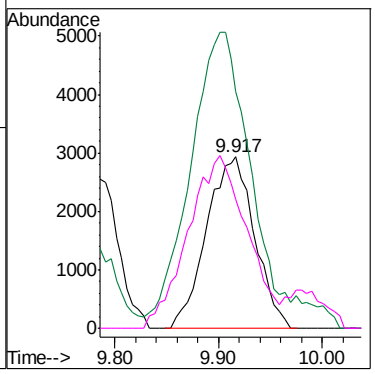


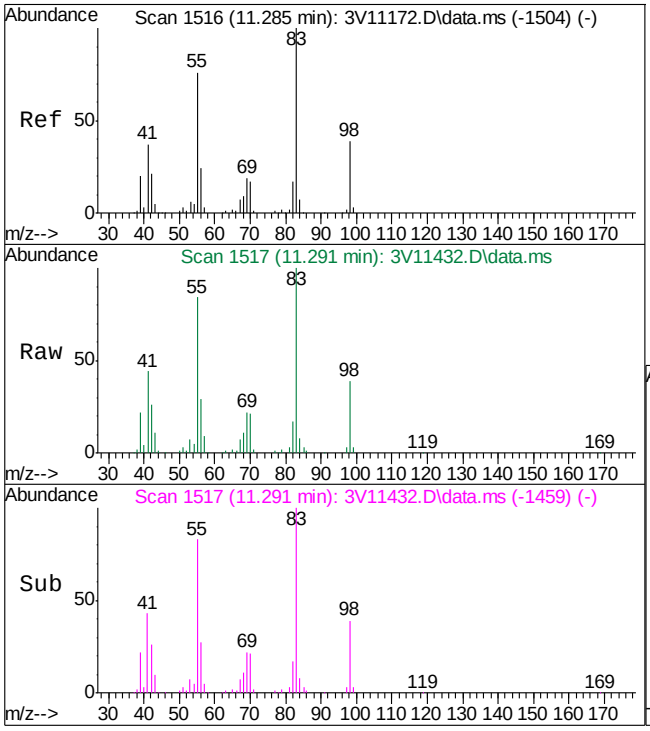


#52
cyclohexane
Concen: 2.55 ug/L
RT: 9.917 min Scan# 1255
Delta R.T. 0.011 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 84 Resp: 9396

Ion	Ratio	Lower	Upper
84	100		
56	224.6	86.7	146.7#
41	124.4	25.3	85.3#

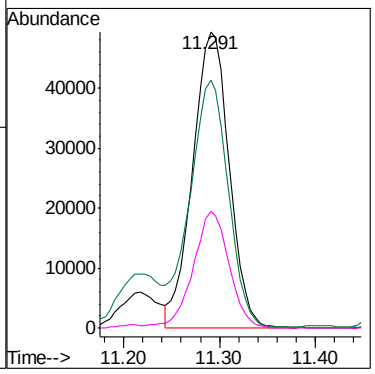


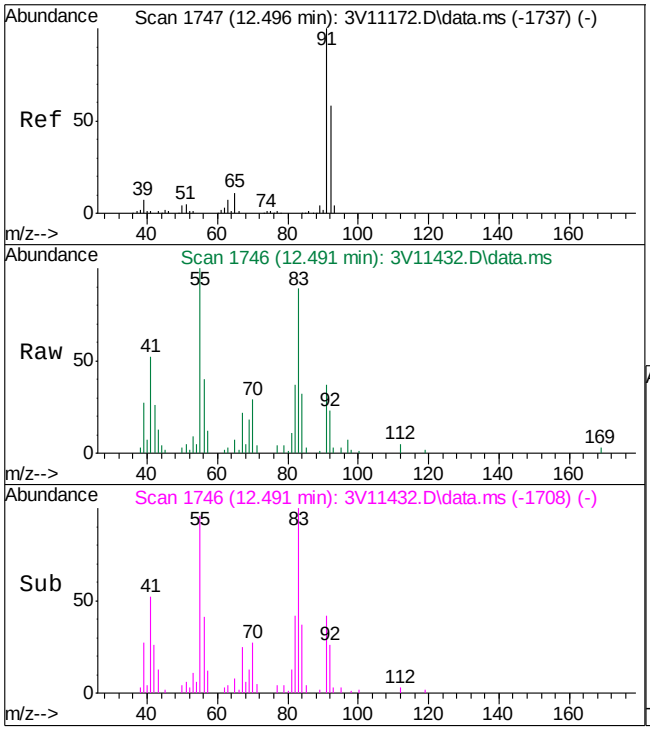


#67
methylcyclohexane
Concen: 34.64 ug/L
RT: 11.291 min Scan# 1517
Delta R.T. 0.006 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 83 Resp: 131121

Ion	Ratio	Lower	Upper
83	100		
55	83.1	46.1	106.1
98	39.3	8.8	68.8

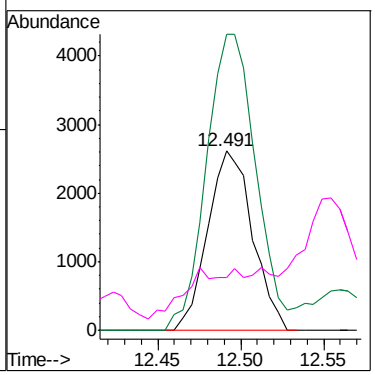


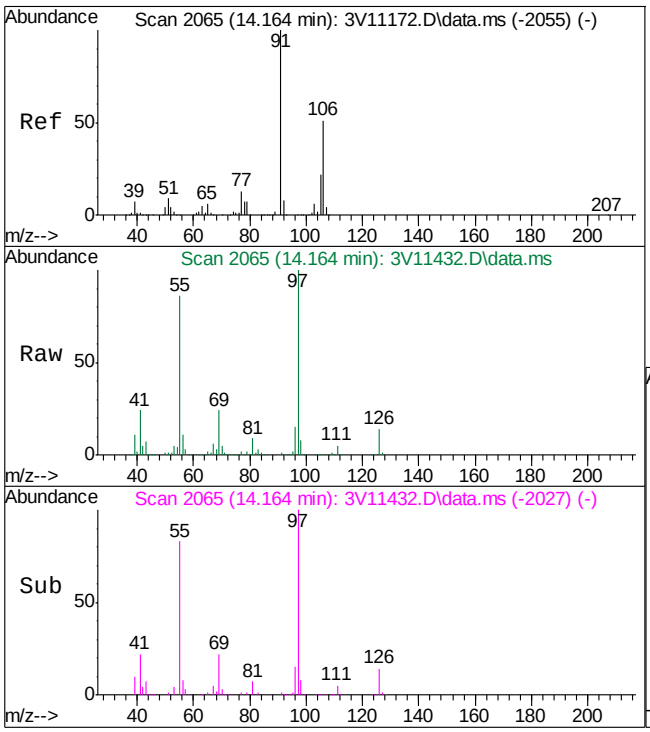


#73
toluene
Concen: 0.96 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion: 92 Resp: 4908

Ion	Ratio	Lower	Upper
92	100		
91	165.1	141.7	201.7
65	18.7	0.0	48.2

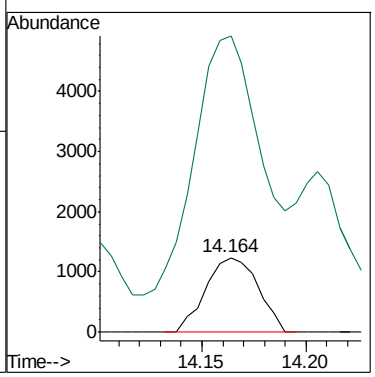


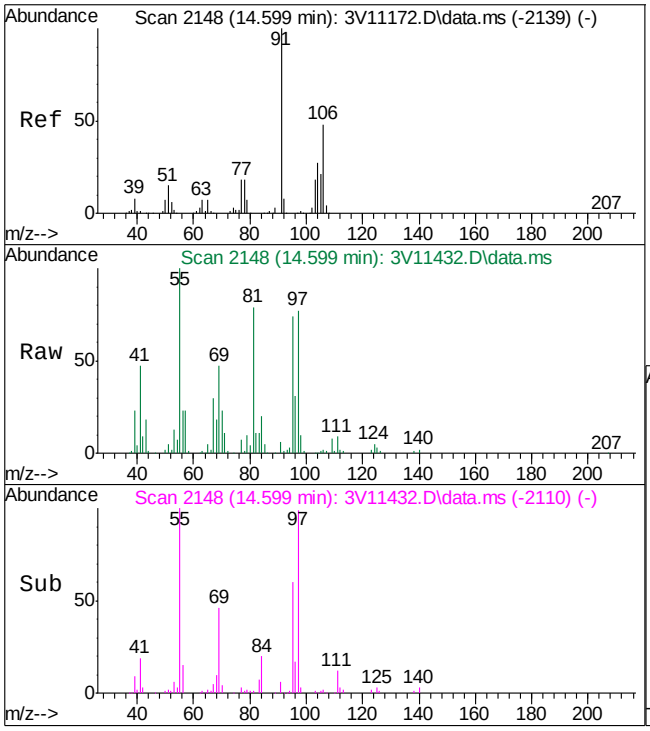


#89
m,p-xylene
Concen: 0.53 ug/L
RT: 14.164 min Scan# 2065
Delta R.T. -0.000 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion:106 Resp: 2155

Ion	Ratio	Lower	Upper
106	100		
91	312.7	138.7	257.7#

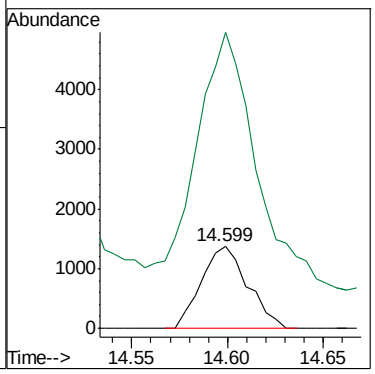


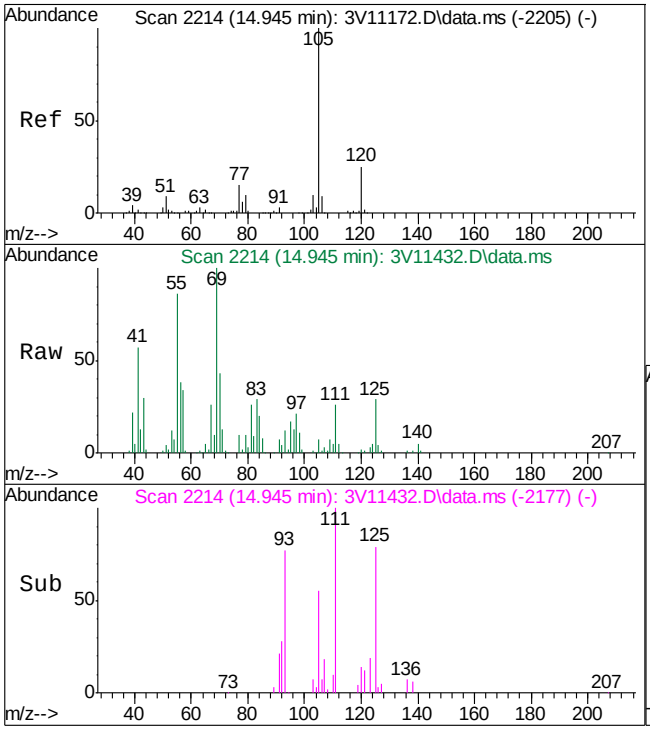


#90
o-xylene
Concen: 0.58 ug/L
RT: 14.599 min Scan# 2148
Delta R.T. -0.000 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion:106 Resp: 2291

Ion	Ratio	Lower	Upper
106	100		
91	277.5	145.4	270.0#

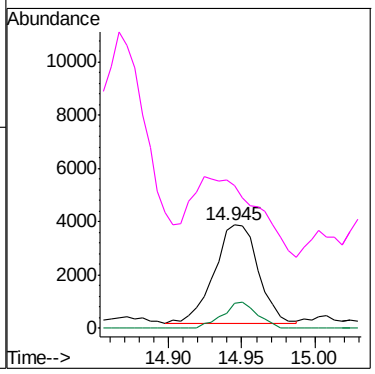




#94
isopropylbenzene
Concen: 0.76 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11432.D
Acq: 4 Jun 2014 5:49 pm

Tgt Ion:105 Resp: 7681

Ion	Ratio	Lower	Upper
105	100		
120	25.4	0.0	55.7
77	72.3	0.0	44.5#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11421.D
Acq On : 4 Jun 2014 12:43 pm
Operator : thienn
Sample : jb68173-14
Misc : MS68397,V3V486,4.1,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 04 15:47:54 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

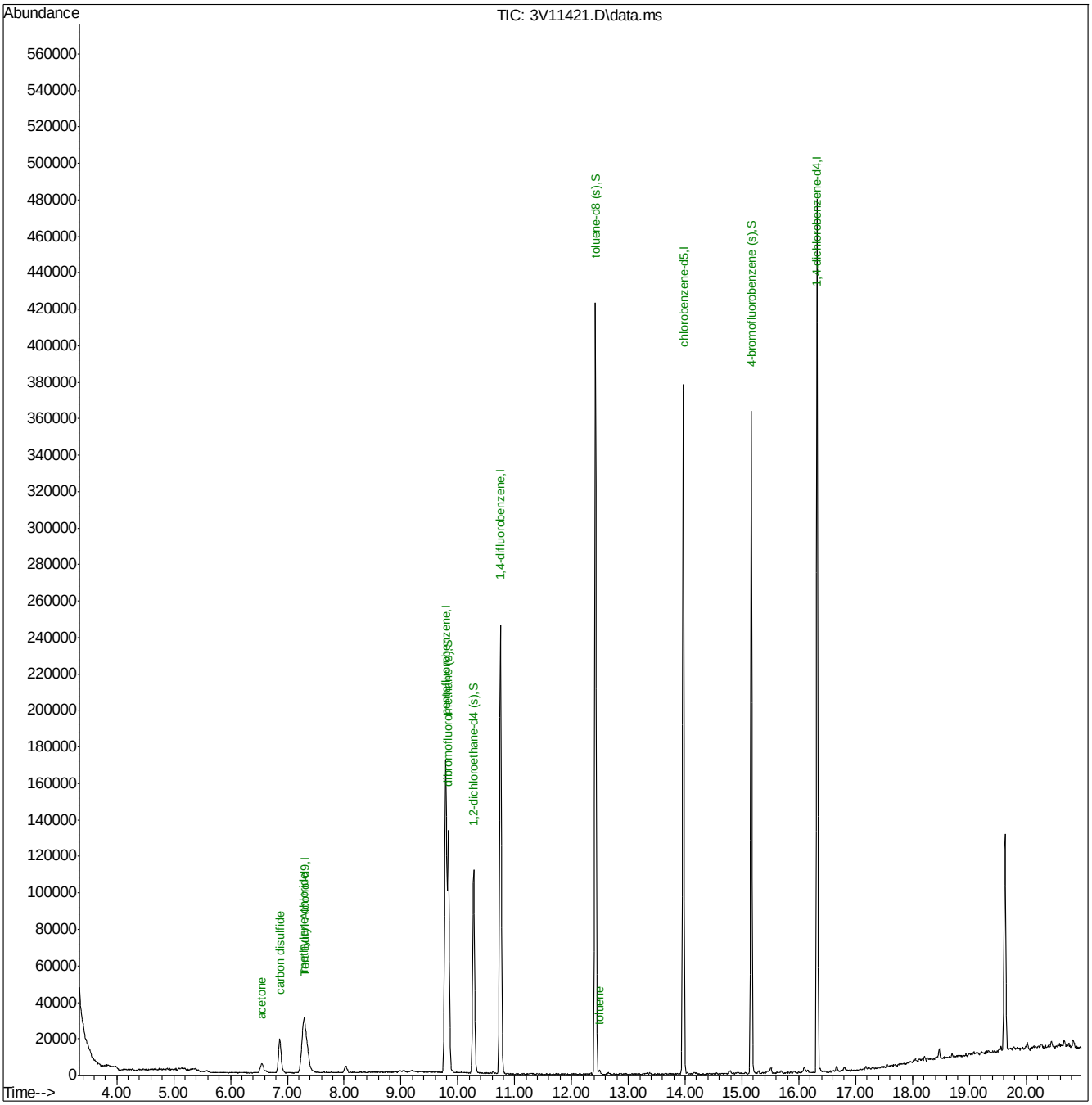
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.306	65	99455	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	159675	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	234248	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	212092	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	118396	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	98738	48.87	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 97.74%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	93246	52.71	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 105.42%			
71) toluene-d8 (s)	12.418	98	302321	52.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.22%			
95) 4-bromofluorobenzene (s)	15.165	95	119453	57.54	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 115.08%			
Target Compounds						Qvalue
17) acetone	6.551	43	16089	28.47	ug/L	91
22) carbon disulfide	6.865	76	46347	5.81	ug/L	97
23) methylene chloride	7.295	84	5002	1.97	ug/L	94
73) toluene	12.491	92	1056	0.25	ug/L	83

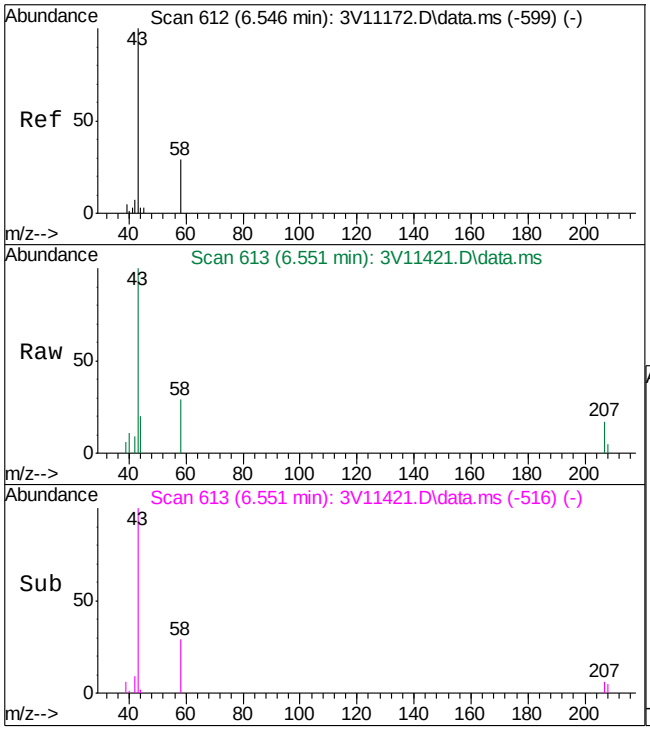
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11421.D
Acq On : 4 Jun 2014 12:43 pm
Operator : thienn
Sample : jb68173-14
Misc : MS68397,V3V486,4.1,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 04 15:47:54 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

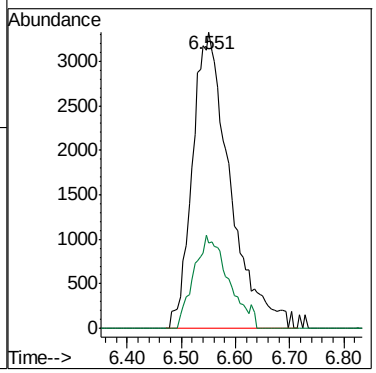


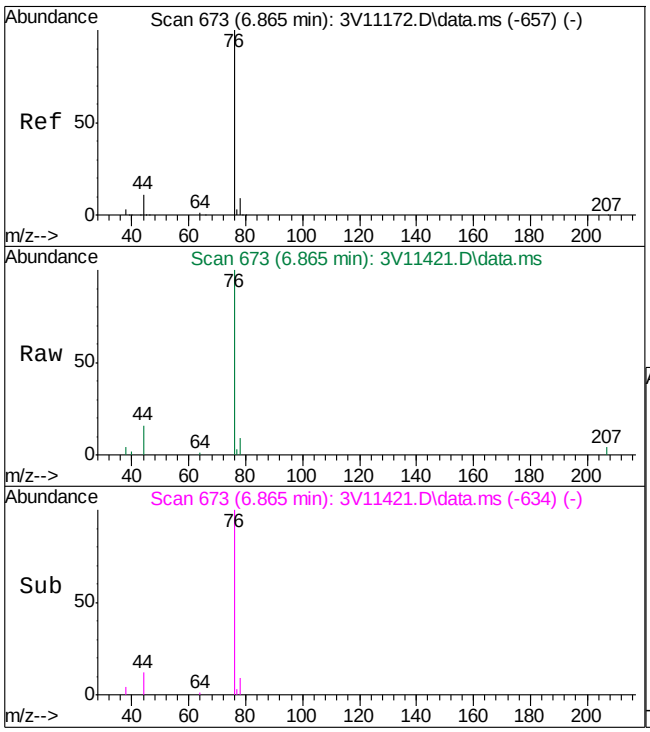


#17
acetone
Concen: 28.47 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11421.D
Acq: 4 Jun 2014 12:43 pm

Tgt Ion: 43 Resp: 16089

Ion	Ratio	Lower	Upper
43	100		
58	28.7	3.8	63.8

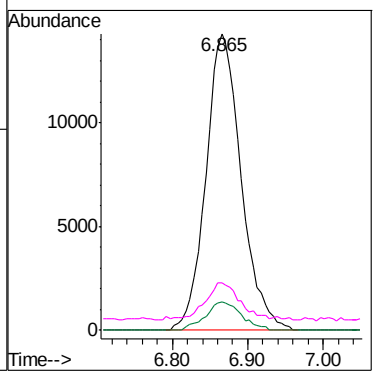


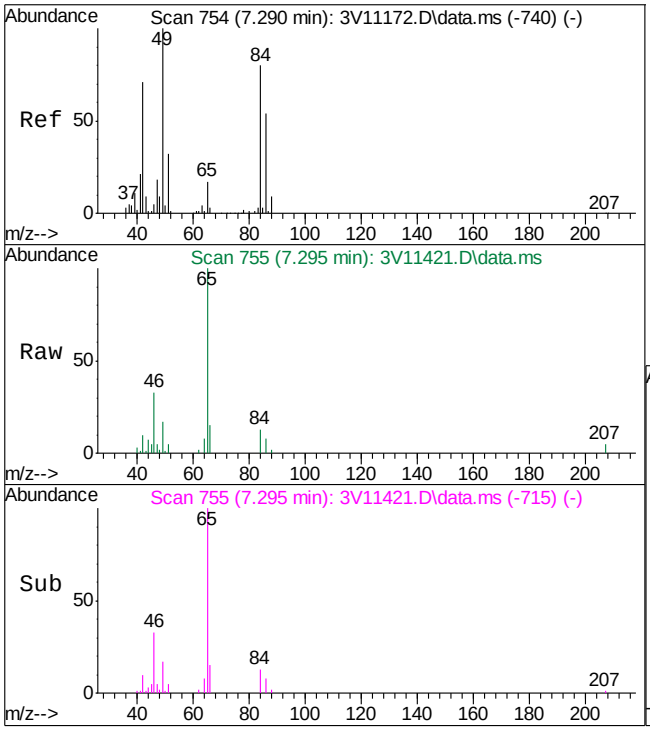


#22
carbon disulfide
Concen: 5.81 ug/L
RT: 6.865 min Scan# 673
Delta R.T. 0.005 min
Lab File: 3V11421.D
Acq: 4 Jun 2014 12:43 pm

Tgt Ion: 76 Resp: 46347

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.0
44	12.1	0.0	40.7

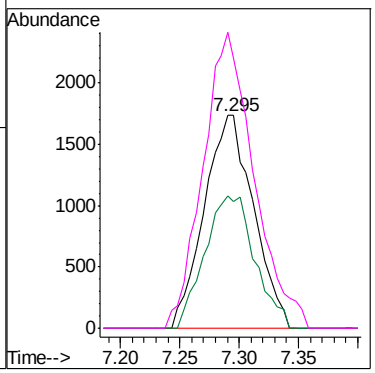


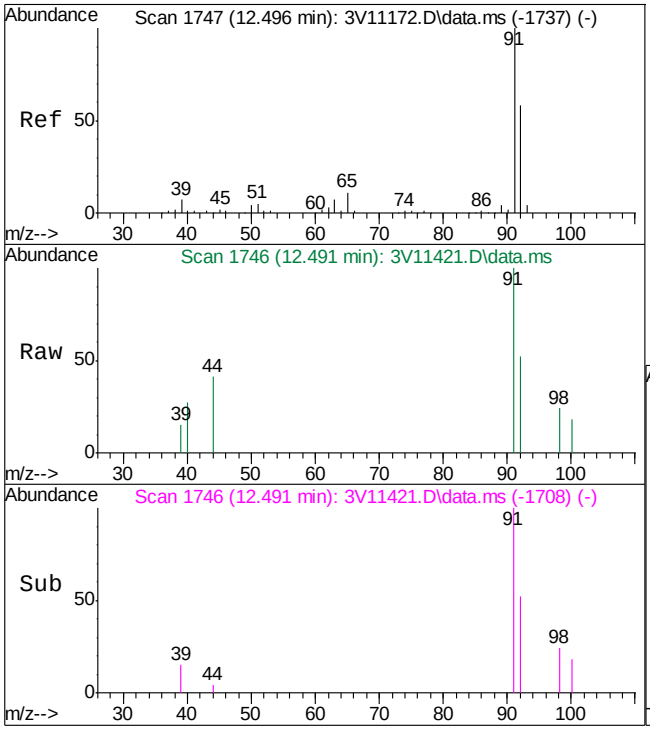


#23
methylene chloride
Concen: 1.97 ug/L
RT: 7.295 min Scan# 755
Delta R.T. 0.010 min
Lab File: 3V11421.D
Acq: 4 Jun 2014 12:43 pm

Tgt Ion: 84 Resp: 5002

Ion	Ratio	Lower	Upper
84	100		
86	59.7	44.9	83.5
49	126.7	83.8	155.6

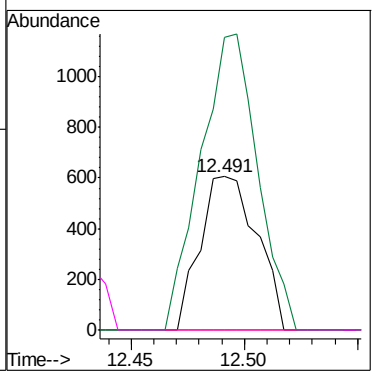




#73
toluene
Concen: 0.25 ug/L
RT: 12.491 min Scan# 1746
Delta R.T. 0.000 min
Lab File: 3V11421.D
Acq: 4 Jun 2014 12:43 pm

Tgt Ion: 92 Resp: 1056

Ion	Ratio	Lower	Upper
92	100		
91	190.9	141.7	201.7
65	0.0	0.0	48.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128961.D
Acq On : 5 Jun 2014 6:16 pm
Operator : mariceld
Sample : jb68173-15
Misc : MS68398,V1C5750,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 06 08:53:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.116	65	114959	500.00	ug/L	-0.01
4) pentafluorobenzene	9.626	168	170285	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	256110	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	242797	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	142803	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.652	113	97535	48.77	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.54%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	106020	45.74	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 91.48%			
80) toluene-d8 (s)	12.320	98	358980	50.04	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 100.08%			
105) 4-bromofluorobenzene (s)	15.186	95	138623	49.31	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 98.62%			
Target Compounds						Qvalue

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

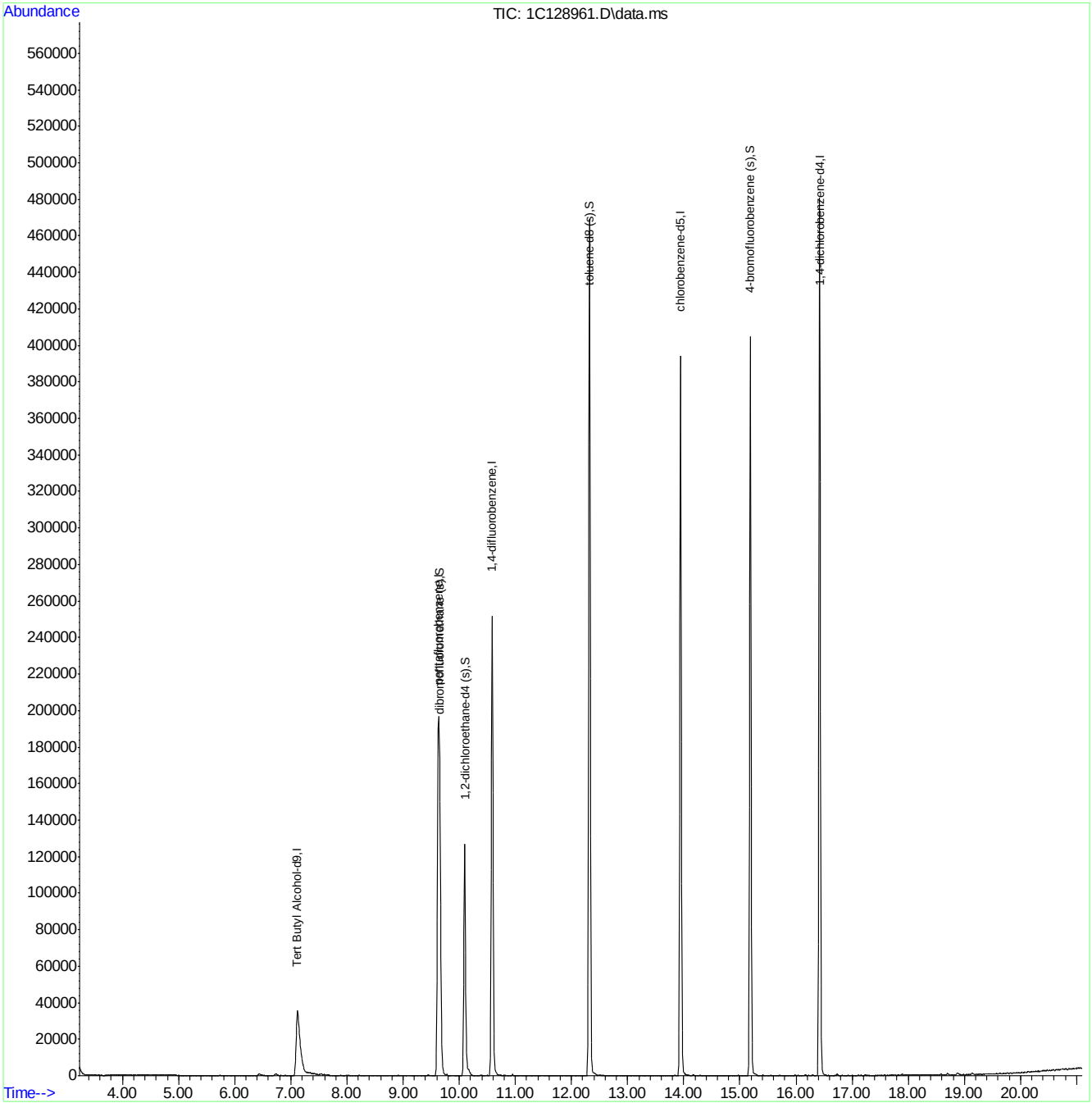
7.1.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128961.D
Acq On : 5 Jun 2014 6:16 pm
Operator : mariceld
Sample : jb68173-15
Misc : MS68398,V1C5750,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 06 08:53:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128962.D
Acq On : 5 Jun 2014 6:43 pm
Operator : mariceld
Sample : jb38173-16
Misc : MS68398,V1C5750,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 06 08:54:23 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	115116	500.00	ug/L	0.00
4) pentafluorobenzene	9.621	168	166934	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.584	114	250899	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	235626	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.421	152	144704	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.653	113	95052	48.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.96%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	104432	45.96	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 91.92%			
80) toluene-d8 (s)	12.320	98	348463	49.58	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 99.16%			
105) 4-bromofluorobenzene (s)	15.186	95	135495	47.57	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 95.14%			
Target Compounds						Qvalue

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

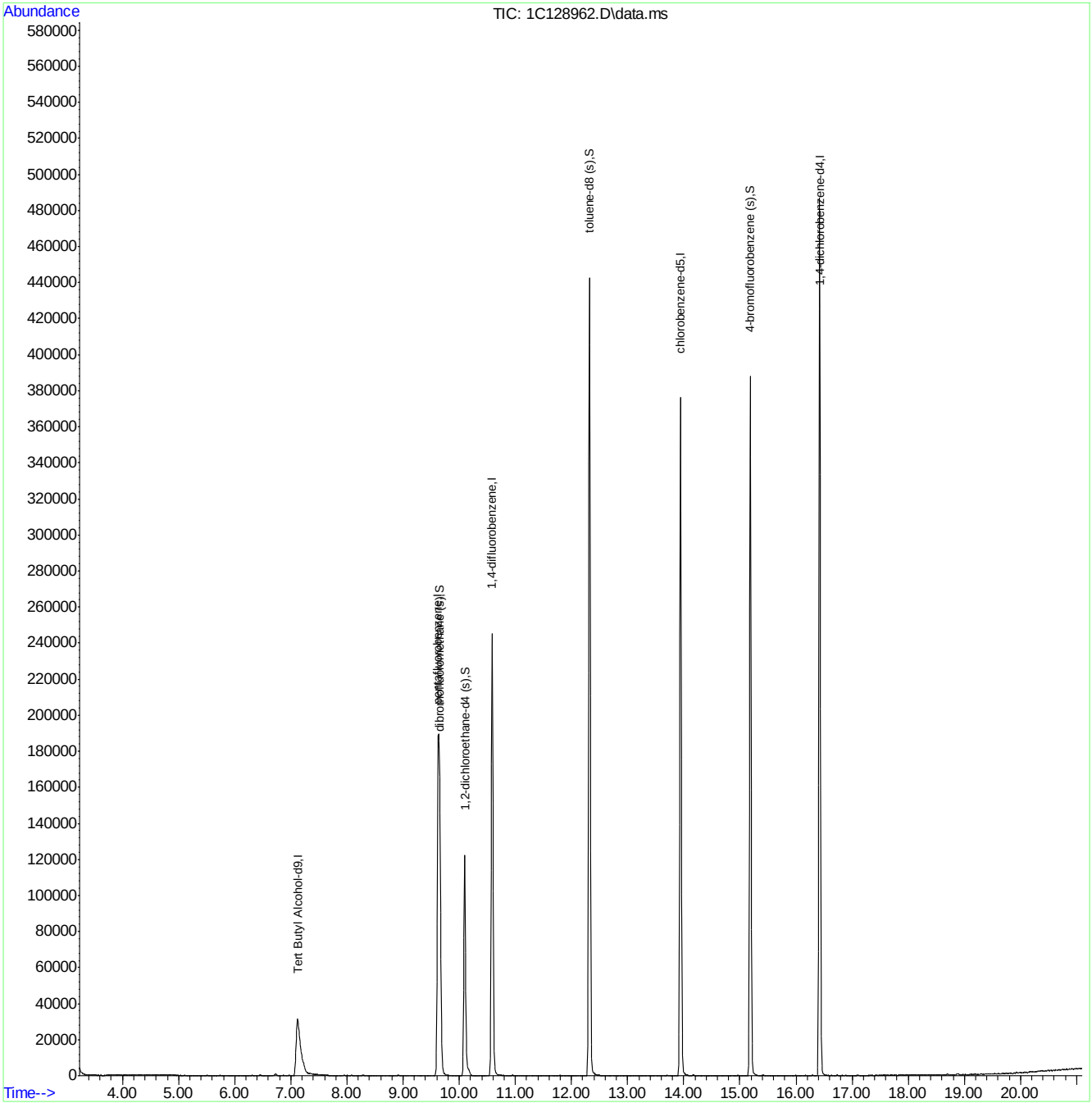
7.1.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128962.D
Acq On : 5 Jun 2014 6:43 pm
Operator : mariceld
Sample : jb38173-16
Misc : MS68398,V1C5750,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 06 08:54:23 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 JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11379.D
Acq On : 2 Jun 2014 9:59 am
Operator : thienn
Sample : mb1
Misc : MS68346,V3V484,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:24:53 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

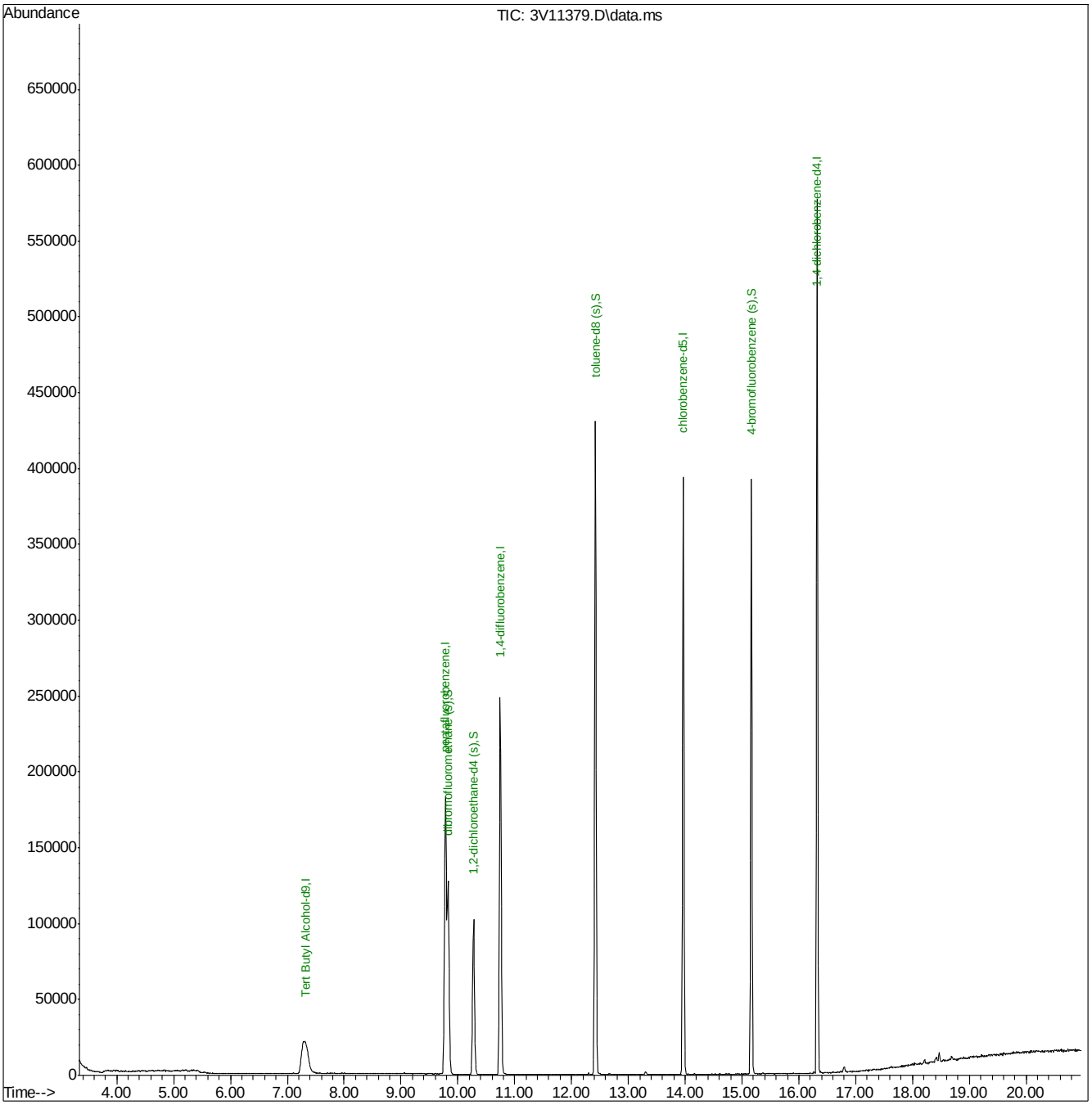
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	99823	500.00	ug/L	0.01
5) pentafluorobenzene	9.781	168	174324	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	248976	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	232522	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	147074	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	96994	43.97	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 87.94%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	85858	44.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.92%			
71) toluene-d8 (s)	12.418	98	318090	51.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 103.18%			
95) 4-bromofluorobenzene (s)	15.165	95	131883	51.14	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.28%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11379.D
Acq On : 2 Jun 2014 9:59 am
Operator : thienn
Sample : mb1
Misc : MS68346,V3V484,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 16:24:53 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\
Data File : 3V11418.D
Acq On : 4 Jun 2014 11:12 am
Operator : thienn
Sample : mb1
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 15:46:44 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

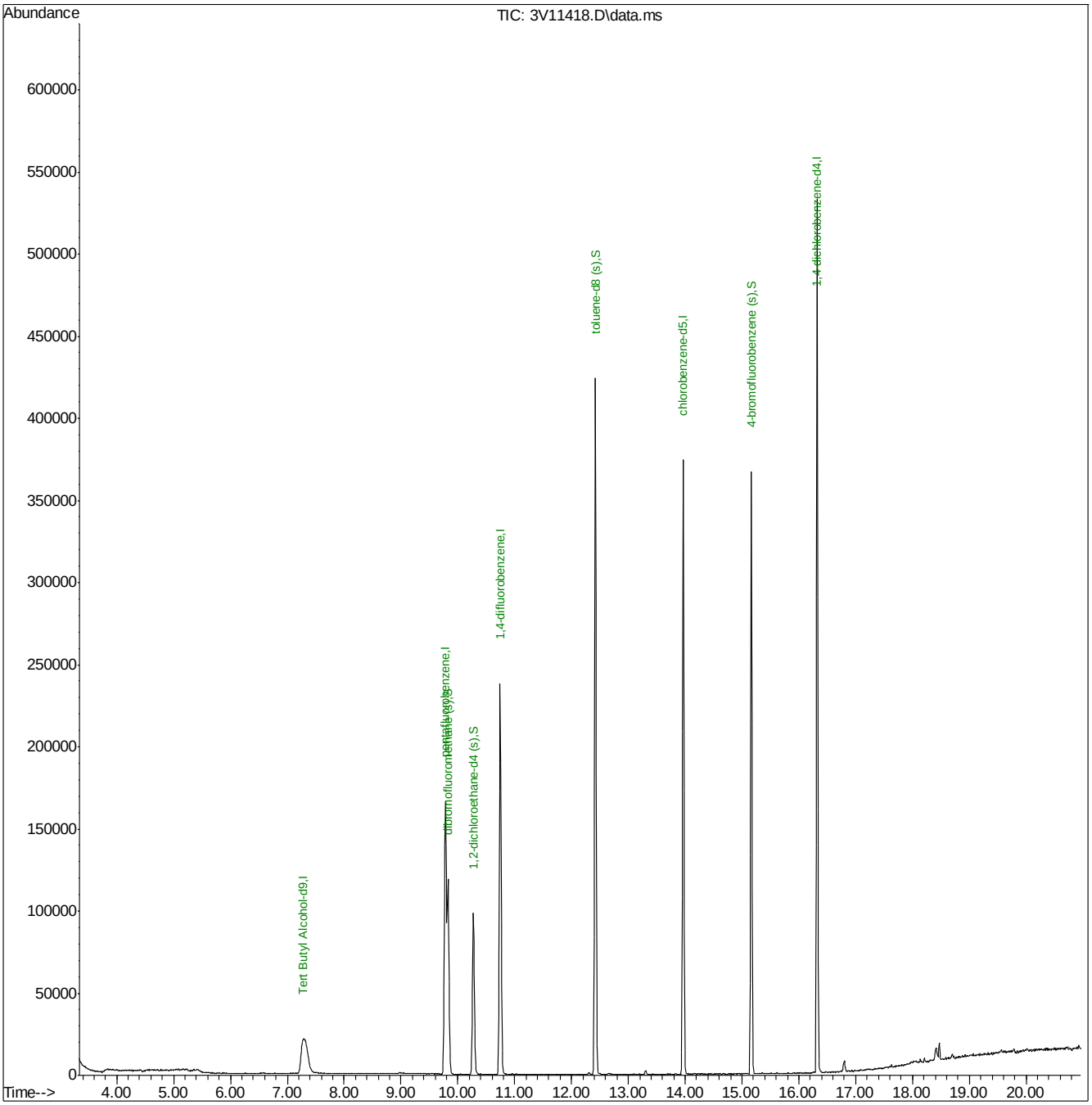
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.279	65	97075	500.00	ug/L	-0.03
5) pentafluorobenzene	9.780	168	158030	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	230492	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	214710	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	131486	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	89248	44.63	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 89.26%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	82486	47.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.24%			
71) toluene-d8 (s)	12.418	98	300500	52.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 105.28%			
95) 4-bromofluorobenzene (s)	15.165	95	124940	54.19	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.38%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11418.D
Acq On : 4 Jun 2014 11:12 am
Operator : thienn
Sample : mb1
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 15:46:44 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 : 3V11444.D
Acq On : 5 Jun 2014 11:24 am
Operator : thienn
Sample : mb1
Misc : MS68576,V3V487,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 16:24:30 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

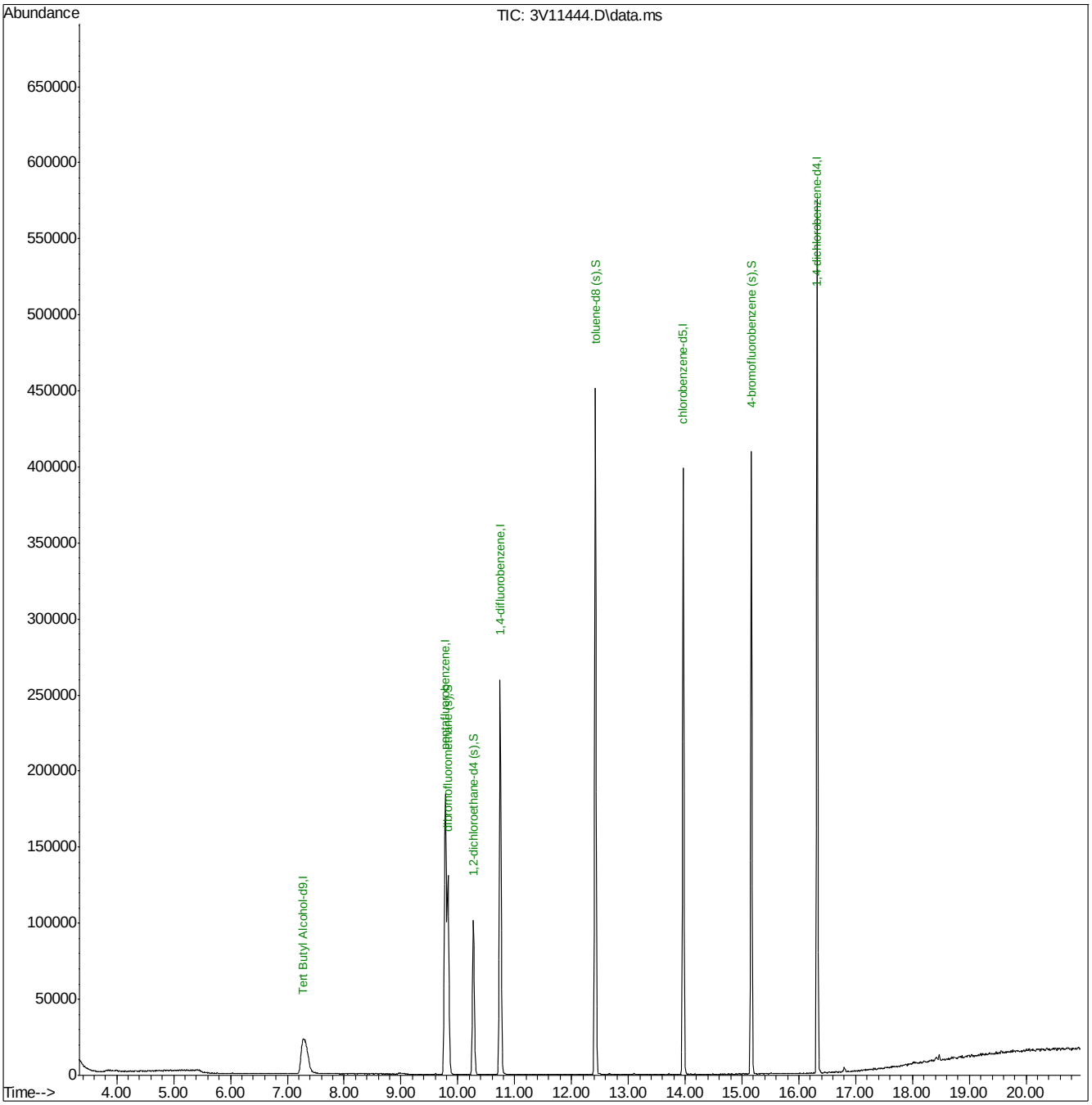
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.274	65	108428	500.00	ug/L	-0.03
5) pentafluorobenzene	9.780	168	178514	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	256972	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	235515	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	153398	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	97717	43.26	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.52%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	83533	42.24	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 84.48%			
71) toluene-d8 (s)	12.418	98	323871	50.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.78%			
95) 4-bromofluorobenzene (s)	15.165	95	134582	50.04	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 100.08%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11444.D
Acq On : 5 Jun 2014 11:24 am
Operator : thienn
Sample : mb1
Misc : MS68576,V3V487,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 16:24:30 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



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128947.D
Acq On : 5 Jun 2014 11:46 am
Operator : mariceld
Sample : mb
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 08:40:51 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

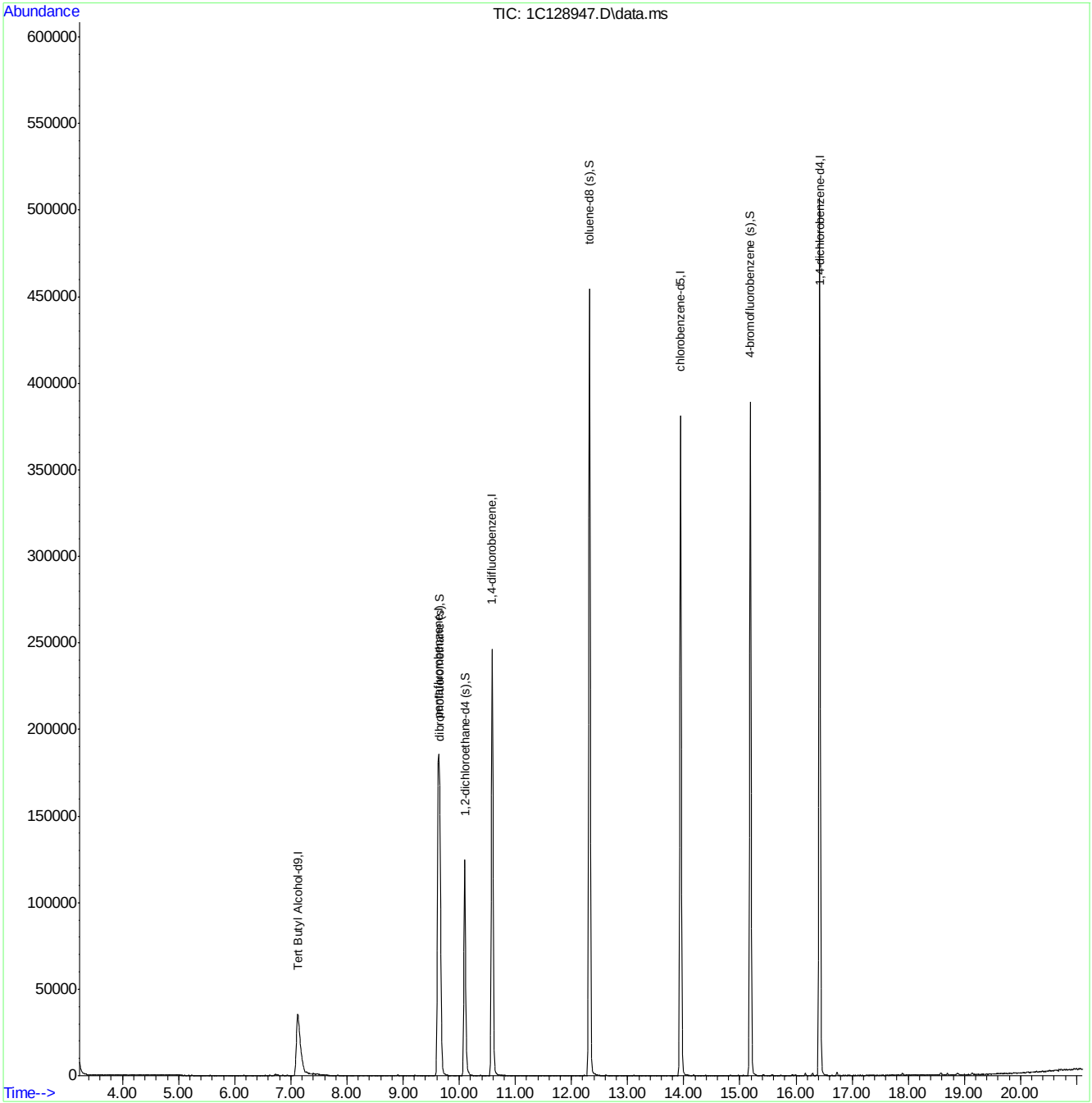
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.126	65	117279	500.00	ug/L	0.00
4) pentafluorobenzene	9.626	168	160112	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	244315	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	233317	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	143368	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.652	113	93673	49.81	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 99.62%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	105662	48.48	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 96.96%			
80) toluene-d8 (s)	12.320	98	344445	50.33	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 100.66%			
105) 4-bromofluorobenzene (s)	15.186	95	134542	47.67	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 95.34%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128947.D
Acq On : 5 Jun 2014 11:46 am
Operator : mariceld
Sample : mb
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 08:40:51 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 JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11380.D
Acq On : 2 Jun 2014 10:46 am
Operator : thienn
Sample : bs
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:25:34 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	88456	500.00	ug/L	# 0.00
5) pentafluorobenzene	9.780	168	178144	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	254321	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	222240	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	141117	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	99731	44.24	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 88.48%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	84889	43.01	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 86.02%			
71) toluene-d8 (s)	12.418	98	318155	50.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.02%			
95) 4-bromofluorobenzene (s)	15.165	95	129356	52.28	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.56%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	31853	1412.78	ug/L	99
4) tertiary butyl alcohol	7.432	59	64517	272.30	ug/L	95
6) chlorodifluoromethane	3.552	51	128837	36.40	ug/L	99
7) dichlorodifluoromethane	3.541	85	174427	36.86	ug/L	99
8) chloromethane	3.861	50	184118	45.20	ug/L	100
9) vinyl chloride	4.128	62	204612	46.67	ug/L	98
10) bromomethane	4.815	94	126012	45.27	ug/L	99
11) chloroethane	4.994	64	88545	61.19	ug/L	99
12) trichlorofluoromethane	5.513	101	221009	45.78	ug/L	99
13) ethyl ether	5.969	74	46622	52.07	ug/L	100
14) 2-chloropropane	6.184	43	190640	55.11	ug/L	98
15) acrolein	6.283	56	205578	574.07	ug/L	99
16) 1,1-dichloroethene	6.430	96	118173	48.99	ug/L	92
17) acetone	6.545	43	27809	44.11	ug/L	97
18) allyl chloride	7.054	76	63229	57.35	ug/L	97
19) acetonitrile	7.065	40	79799	512.29	ug/L #	87
20) iodomethane	6.745	142	252165	50.06	ug/L	99
21) iso-butyl alcohol	10.142	41	32579	477.26	ug/L	98
22) carbon disulfide	6.860	76	480111	53.95	ug/L	100
23) methylene chloride	7.285	84	132467	46.78	ug/L	98
24) 1-chloropropane	7.300	42	169070	43.86	ug/L	100
25) methyl acetate	7.054	74	11589	46.04	ug/L	99
26) methyl tert butyl ether	7.636	73	579309	99.87	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	121182	47.48	ug/L	97
28) di-isopropyl ether	8.333	45	324951	53.32	ug/L	97
29) ethyl tert-butyl ether	8.863	59	313924	51.35	ug/L	99
30) 2-butanone	9.183	72	9704	48.87	ug/L	95
31) 1,1-dichloroethane	8.360	63	213097	54.52	ug/L	98
32) chloroprene	8.470	53	127353	49.38	ug/L	98
33) acrylonitrile	7.694	53	155062	269.98	ug/L	97
34) vinyl acetate	8.370	86	11912	53.69	ug/L	91
35) ethyl acetate	9.198	45	9439	48.18	ug/L	71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11380.D
Acq On : 2 Jun 2014 10:46 am
Operator : thienn
Sample : bs
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:25:34 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	212933	53.85	ug/L		100
37) cis-1,2-dichloroethene	9.193	96	127636	43.86	ug/L		96
38) propionitrile	9.314	54	127198	501.43	ug/L		91
39) methyl acrylate	9.282	55	82034	49.44	ug/L	#	98
40) bromochloromethane	9.539	128	60378	50.31	ug/L		95
41) tetrahydrofuran	9.571	42	27108	51.16	ug/L		98
42) chloroform	9.613	83	207813	48.96	ug/L		98
45) freon 113	6.409	151	101602	47.22	ug/L		99
46) methacrylonitrile	9.497	41	41852	50.85	ug/L		94
47) 1,1,1-trichloroethane	9.854	97	210891	53.37	ug/L		99
48) tert-amyl methyl ether	10.368	73	301855	49.43	ug/L		97
50) epichlorohydrin	12.066	57	38539	271.91	ug/L		98
51) n-butyl alcohol	10.934	56	153985	2697.19	ug/L		99
52) cyclohexane	9.901	84	181615	54.76	ug/L		96
53) carbon tetrachloride	10.058	117	190612	56.70	ug/L		99
54) 1,1-dichloropropene	10.043	75	144705	54.80	ug/L		99
55) hexane	8.019	57	551	0.26	ug/L		89
56) ISOOCTANE	10.310	57	371522	49.62	ug/L		97
57) benzene	10.331	78	436689	55.10	ug/L		99
58) heptane	10.504	57	66420	51.82	ug/L		99
59) isopropyl acetate	10.294	43	204701	54.71	ug/L		99
60) 1,2-dichloroethane	10.373	62	119765	53.87	ug/L		98
61) trichloroethene	11.086	95	114126	55.15	ug/L		98
63) 2-nitropropane	11.935	43	159157	60.16	ug/L		97
64) 2-chloroethyl vinyl ether	11.935	63	241235	331.96	ug/L		99
65) methyl methacrylate	11.280	41	94951	72.30	ug/L		88
66) 1,2-dichloropropane	11.374	63	107668	56.50	ug/L		98
67) methylcyclohexane	11.285	83	178941	52.43	ug/L		96
68) dibromomethane	11.542	93	64046	53.46	ug/L		98
69) bromodichloromethane	11.684	83	140135	55.29	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	153557	54.49	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	32347	55.26	ug/L		98
73) toluene	12.491	92	238942	51.65	ug/L		100
74) 3-methyl-1-butanol	12.297	70	52128	1046.84	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	126217	52.65	ug/L		97
76) ethyl methacrylate	12.711	69	91707	51.35	ug/L		100
77) 1,1,2-trichloroethane	12.937	83	68324	52.74	ug/L		98
78) 2-hexanone	13.115	58	28370	53.07	ug/L		95
80) tetrachloroethene	13.073	166	117596	57.02	ug/L		97
81) 1,3-dichloropropane	13.120	76	121037	58.00	ug/L		98
82) butyl acetate	13.188	56	47503	55.21	ug/L		99
83) dibromochloromethane	13.388	129	105239	55.10	ug/L		98
84) 1,2-dibromoethane	13.534	107	83880	56.24	ug/L		98
86) chlorobenzene	13.996	112	284410	56.78	ug/L		98
87) 1,1,1,2-tetrachloroethane	14.069	131	116456	56.74	ug/L		99
88) ethylbenzene	14.053	91	493142	56.49	ug/L		99
89) m,p-xylene	14.164	106	374158	109.36	ug/L		100
90) o-xylene	14.599	106	194022	58.39	ug/L		100
91) styrene	14.615	104	305018	60.14	ug/L		99
92) bromoform	14.898	173	77029	55.22	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11380.D
Acq On : 2 Jun 2014 10:46 am
Operator : thienn
Sample : bs
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:25:34 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

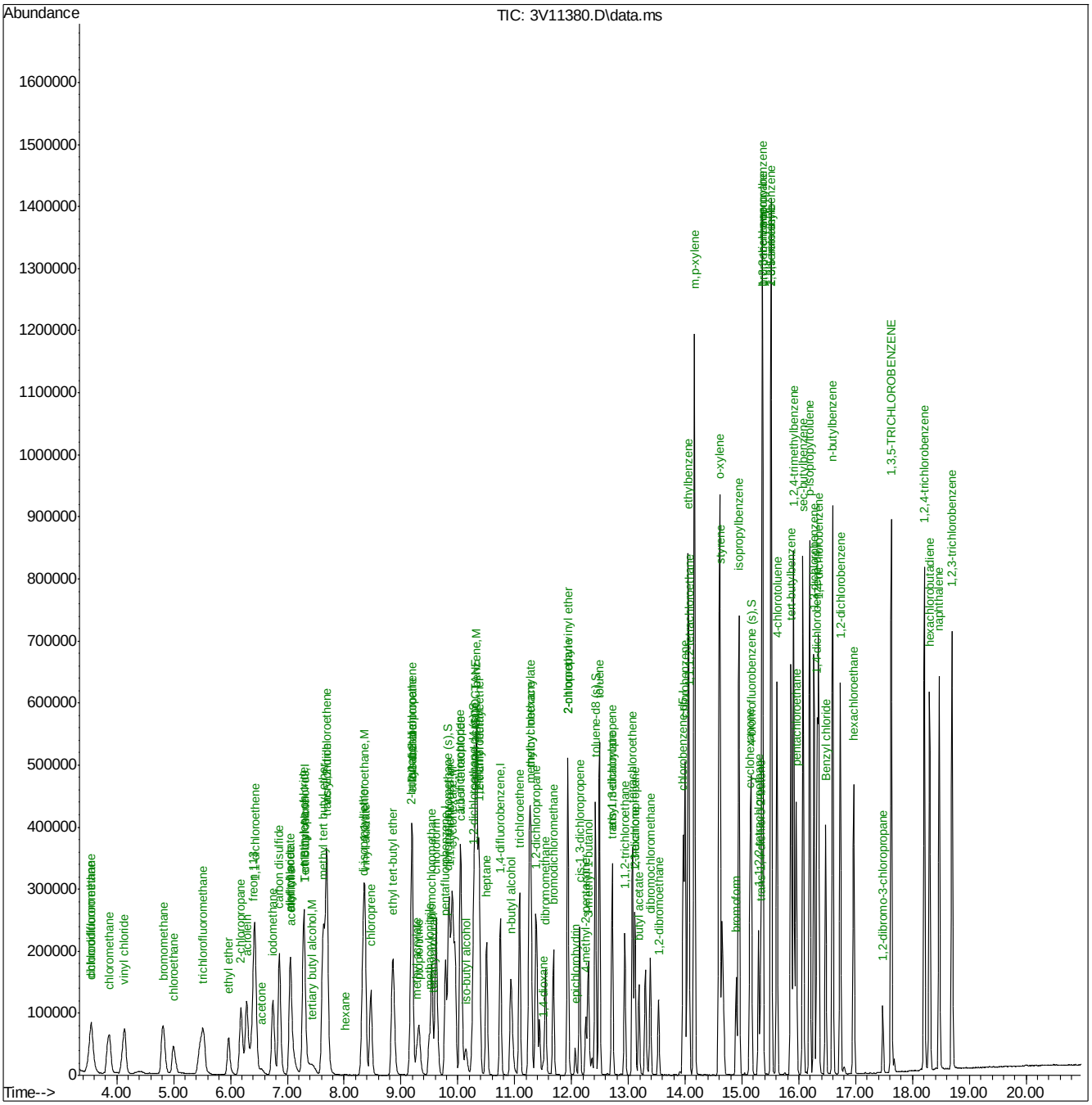
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	534506	59.93	ug/L	99
96) bromobenzene	15.359	156	137510	55.89	ug/L	99
97) cyclohexanone	15.144	55	152366	439.50	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	127053	55.15	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	29242	56.83	ug/L	96
100) 1,2,3-trichloropropane	15.359	110	27032	54.48	ug/L	99
101) n-propylbenzene	15.364	91	677118	62.95	ug/L	100
102) 2-chlorotoluene	15.511	126	135392	58.54	ug/L	96
103) 4-chlorotoluene	15.616	91	376208	56.43	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	457626	59.17	ug/L	100
105) tert-butylbenzene	15.862	119	362912	57.04	ug/L	99
106) pentachloroethane	15.957	167	93592	56.45	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	488774	59.76	ug/L	99
108) sec-butylbenzene	16.072	105	626066	59.02	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	283145	54.35	ug/L	99
110) p-isopropyltoluene	16.193	119	528135	60.19	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	282177	53.66	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	271283	52.72	ug/L	99
113) n-butylbenzene	16.596	92	295515	58.96	ug/L	98
114) 1,2-dibromo-3-chloropr...	17.477	75	26727	51.78	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.624	180	290109	56.34	ug/L	99
116) 1,2,4-trichlorobenzene	18.206	180	256620	53.22	ug/L	99
117) hexachlorobutadiene	18.300	225	138169	55.04	ug/L	98
118) naphthalene	18.468	128	489897	50.98	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	237216	52.62	ug/L	99
120) hexachloroethane	16.963	119	103097	54.38	ug/L	98
121) Benzyl chloride	16.471	91	287316	63.02	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11380.D
Acq On : 2 Jun 2014 10:46 am
Operator : thienn
Sample : bs
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 03 16:25:34 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 JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11419.D
Acq On : 4 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 15:47:07 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	7.295	65	109034	500.00	ug/L		-0.01
5) pentafluorobenzene	9.780	168	162618	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.745	114	237970	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	216001	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	134107	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	93353	45.37	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 90.74%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	85312	47.36	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.72%				
71) toluene-d8 (s)	12.418	98	301862	51.22	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.44%				
95) 4-bromofluorobenzene (s)	15.165	95	126319	53.72	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 107.44%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.505	88	32439	1167.23	ug/L	#	96
4) tertiary butyl alcohol	7.426	59	77332	264.79	ug/L		95
6) chlorodifluoromethane	3.552	51	173086	56.10	ug/L		99
7) dichlorodifluoromethane	3.536	85	240234	55.61	ug/L		99
8) chloromethane	3.851	50	219300	58.98	ug/L		99
9) vinyl chloride	4.123	62	231309	57.79	ug/L		100
10) bromomethane	4.800	94	135797	53.44	ug/L		99
11) chloroethane	4.988	64	76821	58.16	ug/L		100
12) trichlorofluoromethane	5.502	101	241897	54.90	ug/L		100
13) ethyl ether	5.958	74	44142	54.00	ug/L		94
14) 2-chloropropane	6.173	43	188697	59.75	ug/L		99
15) acrolein	6.278	56	202546	619.61	ug/L		100
16) 1,1-dichloroethene	6.425	96	106984	48.59	ug/L		88
17) acetone	6.535	43	30969	53.81	ug/L		90
18) allyl chloride	7.049	76	58347	57.97	ug/L	#	82
19) acetonitrile	7.049	40	91164	641.13	ug/L	#	77
20) iodomethane	6.739	142	220037	47.85	ug/L		98
21) iso-butyl alcohol	10.137	41	41667	668.67	ug/L		99
22) carbon disulfide	6.855	76	444700	54.74	ug/L		98
23) methylene chloride	7.279	84	120136	46.48	ug/L		91
24) 1-chloropropane	7.295	42	170700	48.51	ug/L		99
25) methyl acetate	7.049	74	12495	54.38	ug/L	#	84
26) methyl tert butyl ether	7.636	73	588705	111.18	ug/L		99
27) trans-1,2-dichloroethene	7.694	96	106094	45.54	ug/L		96
28) di-isopropyl ether	8.333	45	348216	62.59	ug/L		93
29) ethyl tert-butyl ether	8.852	59	328550	58.88	ug/L		97
30) 2-butanone	9.177	72	10163	56.07	ug/L		71
31) 1,1-dichloroethane	8.360	63	199123	55.81	ug/L		99
32) chloroprene	8.464	53	129871	55.17	ug/L		95
33) acrylonitrile	7.694	53	162973	310.85	ug/L		97
34) vinyl acetate	8.365	86	11889	58.70	ug/L		68
35) ethyl acetate	9.198	45	11290	63.13	ug/L		78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11419.D
Acq On : 4 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 15:47:07 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)
36) 2,2-dichloropropane	9.183	77	198672	55.04	ug/L		98
37) cis-1,2-dichloroethene	9.193	96	114541	43.12	ug/L		89
38) propionitrile	9.314	54	138819	599.49	ug/L		94
39) methyl acrylate	9.277	55	88227	58.25	ug/L	#	96
40) bromochloromethane	9.539	128	53178	48.54	ug/L	#	87
41) tetrahydrofuran	9.565	42	30321	62.69	ug/L		93
42) chloroform	9.613	83	188269	48.59	ug/L		99
45) freon 113	6.393	151	105100	53.51	ug/L		98
46) methacrylonitrile	9.497	41	44714	59.51	ug/L		88
47) 1,1,1-trichloroethane	9.849	97	192109	53.26	ug/L		99
48) tert-amyl methyl ether	10.368	73	305723	54.84	ug/L		98
50) epichlorohydrin	12.066	57	43014	324.33	ug/L		98
51) n-butyl alcohol	10.934	56	183723	3439.19	ug/L		97
52) cyclohexane	9.906	84	177404	57.16	ug/L		92
53) carbon tetrachloride	10.058	117	172719	54.91	ug/L		99
54) 1,1-dichloropropene	10.043	75	130854	52.96	ug/L		98
56) ISOOCTANE	10.310	57	406548	58.03	ug/L		95
57) benzene	10.326	78	395267	53.30	ug/L		98
58) heptane	10.504	57	71593	59.70	ug/L		98
59) isopropyl acetate	10.289	43	235452	67.26	ug/L		96
60) 1,2-dichloroethane	10.373	62	117041	56.26	ug/L		100
61) trichloroethene	11.086	95	101170	52.25	ug/L		98
63) 2-nitropropane	11.935	43	177118	71.55	ug/L		96
64) 2-chloroethyl vinyl ether	11.935	63	257818	379.16	ug/L		98
65) methyl methacrylate	11.280	41	101438	82.54	ug/L		85
66) 1,2-dichloropropane	11.374	63	101544	56.95	ug/L		94
67) methylcyclohexane	11.285	83	180342	56.47	ug/L		91
68) dibromomethane	11.542	93	59319	52.91	ug/L		99
69) bromodichloromethane	11.684	83	130927	55.21	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	144597	54.83	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	34434	62.86	ug/L		89
73) toluene	12.491	92	214608	49.58	ug/L		100
74) 3-methyl-1-butanol	12.297	70	59038	1267.07	ug/L		93
75) trans-1,3-dichloropropene	12.722	75	122830	54.76	ug/L		98
76) ethyl methacrylate	12.711	69	94962	56.83	ug/L		95
77) 1,1,2-trichloroethane	12.937	83	66782	55.09	ug/L		97
78) 2-hexanone	13.115	58	30602	61.18	ug/L		98
80) tetrachloroethene	13.073	166	104012	51.89	ug/L		99
81) 1,3-dichloropropane	13.120	76	117083	57.73	ug/L		99
82) butyl acetate	13.188	56	52029	62.21	ug/L		92
83) dibromochloromethane	13.388	129	97451	52.49	ug/L		99
84) 1,2-dibromoethane	13.534	107	80129	55.28	ug/L		99
86) chlorobenzene	13.996	112	258011	53.00	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.069	131	107081	53.68	ug/L		98
88) ethylbenzene	14.053	91	454877	53.61	ug/L		98
89) m,p-xylene	14.164	106	343115	103.18	ug/L		99
90) o-xylene	14.599	106	176141	54.54	ug/L		96
91) styrene	14.615	104	281008	57.01	ug/L		100
92) bromoform	14.898	173	73528	54.23	ug/L		98
94) isopropylbenzene	14.945	105	483562	57.05	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11419.D
Acq On : 4 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 15:47:07 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

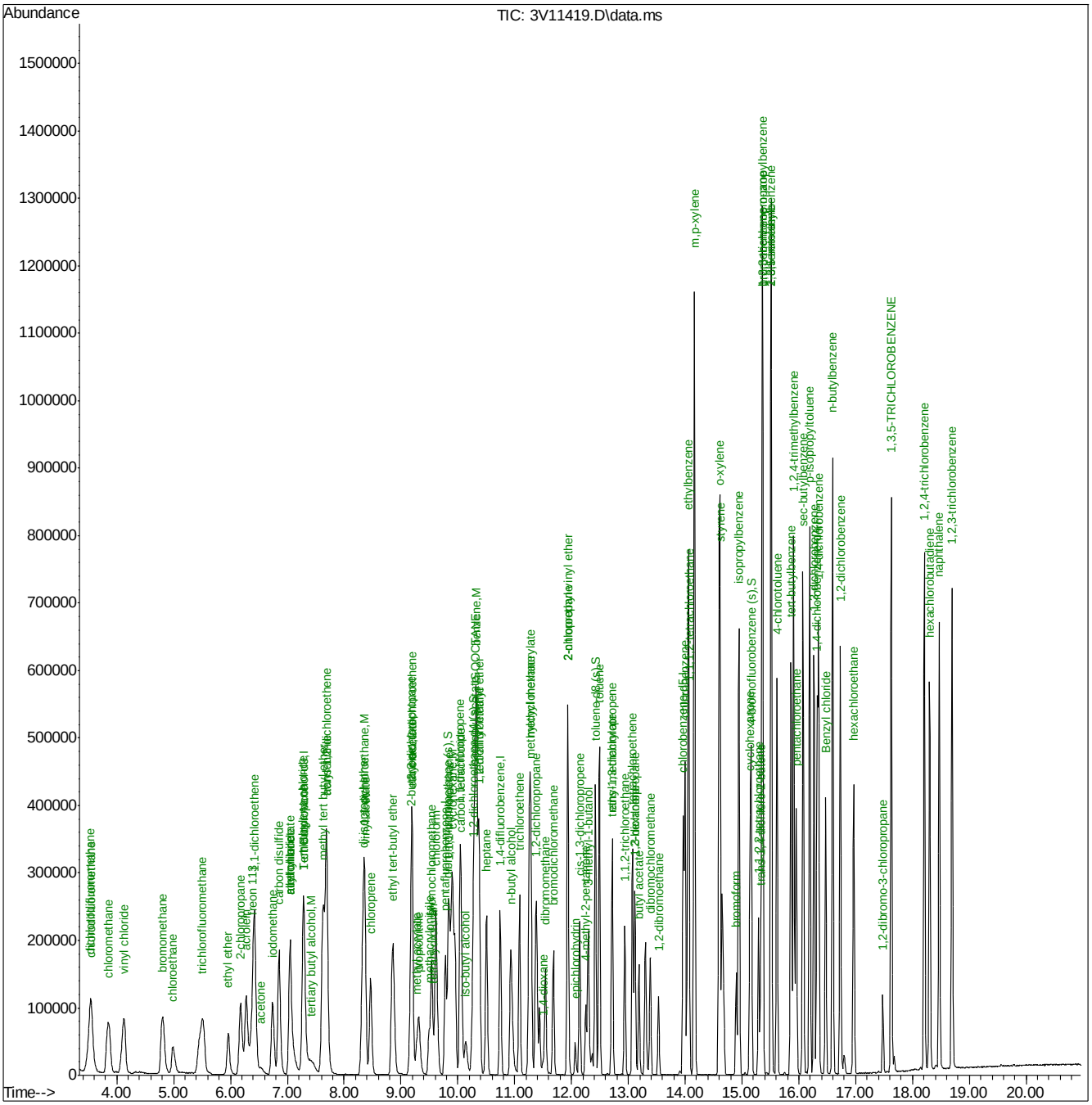
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) bromobenzene	15.359	156	124211	53.13	ug/L	95
97) cyclohexanone	15.144	55	152179	461.91	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	126731	57.88	ug/L	97
99) trans-1,4-dichloro-2-b...	15.333	53	31164	63.73	ug/L	98
100) 1,2,3-trichloropropane	15.359	110	26724	56.68	ug/L	98
101) n-propylbenzene	15.364	91	623398	60.99	ug/L	99
102) 2-chlorotoluene	15.511	126	121164	55.13	ug/L	89
103) 4-chlorotoluene	15.616	91	342307	54.03	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	422923	57.54	ug/L	99
105) tert-butylbenzene	15.862	119	331103	54.76	ug/L	100
106) pentachloroethane	15.957	167	83627	53.08	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	448237	57.67	ug/L	99
108) sec-butylbenzene	16.072	105	577680	57.30	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	257462	52.00	ug/L	100
110) p-isopropyltoluene	16.193	119	484260	58.08	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	257265	51.48	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	255563	52.27	ug/L	99
113) n-butylbenzene	16.596	92	281115	59.01	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	28298	57.69	ug/L	95
115) 1,3,5-TRICHLOROBENZENE	17.624	180	266916	54.55	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	241804	52.77	ug/L	99
117) hexachlorobutadiene	18.300	225	125100	52.43	ug/L	99
118) naphthalene	18.468	128	494826	54.19	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	227705	53.16	ug/L	98
120) hexachloroethane	16.969	119	95228	52.86	ug/L	98
121) Benzyl chloride	16.471	91	286223	66.06	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11419.D
Acq On : 4 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 15:47:07 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



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11445.D
Acq On : 5 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 16:25:00 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	102461	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	189939	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	268378	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	242011	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	151412	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	104520	43.49	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.98%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	88109	41.87	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 83.74%			
71) toluene-d8 (s)	12.418	98	336671	50.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.30%			
95) 4-bromofluorobenzene (s)	15.165	95	137789	51.90	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.80%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	31246	1196.43	ug/L #	99
4) tertiary butyl alcohol	7.426	59	68541	249.74	ug/L	99
6) chlorodifluoromethane	3.557	51	129846	34.12	ug/L	98
7) dichlorodifluoromethane	3.536	85	212223	42.06	ug/L	99
8) chloromethane	3.866	50	196042	45.14	ug/L	100
9) vinyl chloride	4.128	62	219035	46.85	ug/L	99
10) bromomethane	4.815	94	136674	46.05	ug/L	98
11) chloroethane	4.993	64	75053	48.65	ug/L	98
12) trichlorofluoromethane	5.518	101	231141	44.91	ug/L	99
13) ethyl ether	5.969	74	46148	48.34	ug/L	97
14) 2-chloropropane	6.184	43	175764	47.65	ug/L	99
15) acrolein	6.283	56	206902	541.89	ug/L	98
16) 1,1-dichloroethene	6.430	96	112440	43.72	ug/L	94
17) acetone	6.551	43	26282	39.10	ug/L	96
18) allyl chloride	7.054	76	59484	50.60	ug/L	99
19) acetonitrile	7.059	40	78876	474.92	ug/L #	70
20) iodomethane	6.745	142	238936	44.49	ug/L	99
21) iso-butyl alcohol	10.142	41	34344	471.87	ug/L	96
22) carbon disulfide	6.860	76	455586	48.02	ug/L	100
23) methylene chloride	7.285	84	125085	41.43	ug/L	96
24) 1-chloropropane	7.306	42	161078	39.19	ug/L	99
25) methyl acetate	7.064	74	12086	45.04	ug/L	98
26) methyl tert butyl ether	7.646	73	574376	92.87	ug/L	99
27) trans-1,2-dichloroethene	7.699	96	111975	41.15	ug/L	99
28) di-isopropyl ether	8.339	45	310110	47.72	ug/L	93
29) ethyl tert-butyl ether	8.858	59	308650	47.35	ug/L	100
30) 2-butanone	9.183	72	10216	48.26	ug/L	100
31) 1,1-dichloroethane	8.365	63	195664	46.95	ug/L	97
32) chloroprene	8.470	53	117643	42.79	ug/L	99
33) acrylonitrile	7.699	53	154634	252.52	ug/L	98
34) vinyl acetate	8.365	86	11968	50.59	ug/L	75
35) ethyl acetate	9.204	45	10243	49.04	ug/L	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11445.D
Acq On : 5 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 16:25:00 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	188597	44.73	ug/L		100
37) cis-1,2-dichloroethene	9.198	96	122535	39.49	ug/L		98
38) propionitrile	9.319	54	134047	495.62	ug/L		94
39) methyl acrylate	9.282	55	84899	47.99	ug/L	#	98
40) bromochloromethane	9.544	128	57506	44.94	ug/L		96
41) tetrahydrofuran	9.571	42	27627	48.90	ug/L		99
42) chloroform	9.613	83	192785	42.59	ug/L		100
45) freon 113	6.404	151	103169	44.97	ug/L		99
46) methacrylonitrile	9.497	41	41997	47.85	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	188219	44.67	ug/L		98
48) tert-amyl methyl ether	10.368	73	295380	45.37	ug/L		98
50) epichlorohydrin	12.066	57	39885	266.66	ug/L		95
51) n-butyl alcohol	10.939	56	165051	2739.59	ug/L		99
52) cyclohexane	9.906	84	175591	50.17	ug/L		99
53) carbon tetrachloride	10.063	117	174037	49.06	ug/L		98
54) 1,1-dichloropropene	10.043	75	132424	47.52	ug/L		99
56) ISOOCTANE	10.310	57	362470	45.88	ug/L		96
57) benzene	10.331	78	400042	47.83	ug/L		99
58) heptane	10.504	57	64652	47.80	ug/L		98
59) isopropyl acetate	10.294	43	211283	53.52	ug/L		98
60) 1,2-dichloroethane	10.373	62	114591	48.84	ug/L		98
61) trichloroethene	11.086	95	106168	48.62	ug/L		99
63) 2-nitropropane	11.935	43	161219	57.75	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	244157	318.38	ug/L		99
65) methyl methacrylate	11.280	41	89807	64.80	ug/L		87
66) 1,2-dichloropropane	11.374	63	99835	49.64	ug/L		99
67) methylcyclohexane	11.285	83	173104	48.06	ug/L		94
68) dibromomethane	11.542	93	61739	48.83	ug/L		99
69) bromodichloromethane	11.684	83	132505	49.54	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	145200	48.82	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	33343	53.97	ug/L		99
73) toluene	12.491	92	220268	45.12	ug/L		99
74) 3-methyl-1-butanol	12.297	70	56721	1079.41	ug/L		99
75) trans-1,3-dichloropropene	12.722	75	123263	48.73	ug/L		99
76) ethyl methacrylate	12.711	69	95655	50.76	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	67613	49.46	ug/L		98
78) 2-hexanone	13.115	58	29331	51.99	ug/L		100
80) tetrachloroethene	13.078	166	112530	50.11	ug/L		98
81) 1,3-dichloropropane	13.120	76	117805	51.84	ug/L		99
82) butyl acetate	13.188	56	48717	51.99	ug/L		97
83) dibromochloromethane	13.388	129	104976	50.47	ug/L		97
84) 1,2-dibromoethane	13.534	107	84133	51.80	ug/L		97
86) chlorobenzene	14.001	112	274316	50.29	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	111744	50.00	ug/L		99
88) ethylbenzene	14.053	91	462698	48.67	ug/L		99
89) m,p-xylene	14.164	106	359695	96.54	ug/L		98
90) o-xylene	14.599	106	183366	50.68	ug/L		97
91) styrene	14.614	104	294672	53.35	ug/L		100
92) bromoform	14.898	173	79143	52.10	ug/L		99
94) isopropylbenzene	14.945	105	497491	51.98	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11445.D
Acq On : 5 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 16:25:00 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

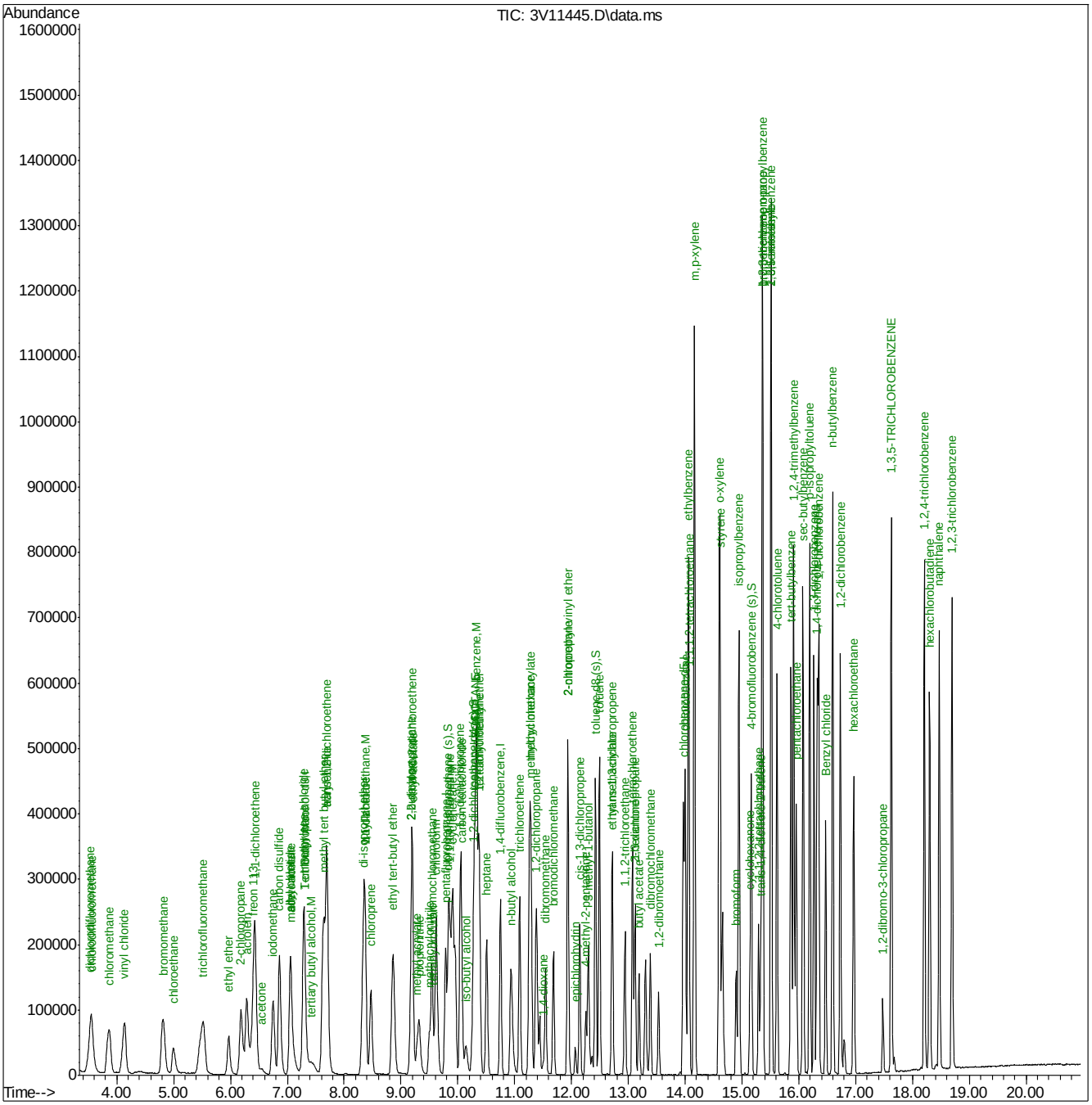
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	135353	51.28	ug/L	99
97)	cyclohexanone	15.144	55	74854	201.24	ug/L	96
98)	1,1,2,2-tetrachloroethane	15.291	83	127572	51.61	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	29211	52.91	ug/L	95
100)	1,2,3-trichloropropane	15.359	110	27722	52.08	ug/L	98
101)	n-propylbenzene	15.364	91	637283	55.22	ug/L	100
102)	2-chlorotoluene	15.516	126	128190	51.66	ug/L	98
103)	4-chlorotoluene	15.616	91	360058	50.34	ug/L	98
104)	1,3,5-trimethylbenzene	15.516	105	434256	52.33	ug/L	99
105)	tert-butylbenzene	15.862	119	346213	50.72	ug/L	99
106)	pentachloroethane	15.957	167	89261	50.18	ug/L	97
107)	1,2,4-trimethylbenzene	15.909	105	463957	52.87	ug/L	99
108)	sec-butylbenzene	16.072	105	587021	51.58	ug/L	100
109)	1,3-dichlorobenzene	16.266	146	271964	48.65	ug/L	100
110)	p-isopropyltoluene	16.193	119	502848	53.41	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	273997	48.56	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	272788	49.41	ug/L	100
113)	n-butylbenzene	16.596	92	285331	53.05	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	26875	48.53	ug/L	96
115)	1,3,5-TRICHLOROBENZENE	17.624	180	279543	50.60	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	251951	48.70	ug/L	100
117)	hexachlorobutadiene	18.300	225	133167	49.44	ug/L	100
118)	naphthalene	18.468	128	514533	49.90	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	239260	49.47	ug/L	99
120)	hexachloroethane	16.969	119	99853	49.09	ug/L	99
121)	Benzyl chloride	16.471	91	274156	56.04	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11445.D
Acq On : 5 Jun 2014 11:50 am
Operator : thienn
Sample : bs
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 16:25:00 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\v1c5750-5751\
Data File : 1C128948.D
Acq On : 5 Jun 2014 12:14 pm
Operator : mariceld
Sample : bs
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:35:40 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	124903	500.00	ug/L		0.00
4) pentafluorobenzene	9.626	168	161490	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.589	114	248482	50.00	ug/L		0.00
88) chlorobenzene-d5	13.941	117	236565	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.420	152	141134	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.652	113	94541	49.84	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 99.68%				
53) 1,2-dichloroethane-d4 (s)	10.097	65	106635	48.51	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 97.02%				
80) toluene-d8 (s)	12.320	98	348037	50.00	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 100.00%				
105) 4-bromofluorobenzene (s)	15.186	95	135260	48.69	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 97.38%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.257	59	71997	235.21	ug/L		100
3) 1,4-dioxane	11.347	88	23579	984.78	ug/L		92
9) chlorodifluoromethane	3.507	51	80560	47.13	ug/L		97
10) dichlorodifluoromethane	3.491	85	103868	38.38	ug/L		96
12) chloromethane	3.800	50	128543	35.97	ug/L		99
13) vinyl chloride	4.056	62	128087	40.75	ug/L		97
14) bromomethane	4.715	94	79198	41.29	ug/L		99
15) chloroethane	4.903	64	68393	51.08	ug/L		98
19) trichlorofluoromethane	5.416	101	147825	48.23	ug/L		99
20) ethyl ether	5.860	74	51672	48.92	ug/L		97
22) acrolein	6.138	56	230386	428.40	ug/L		100
23) 1,1-dichloroethene	6.305	96	90108	50.59	ug/L		97
24) acetone	6.399	43	36364	42.36	ug/L		98
25) acetonitrile	6.891	40	101682	395.86	ug/L		82
26) allyl chloride	6.907	76	55651	59.18	ug/L		93
27) iodomethane	6.603	142	175786	49.57	ug/L		98
28) carbon disulfide	6.723	76	325509	48.09	ug/L		99
29) 2-CHLOROPROPANE	6.064	43	187049	49.98	ug/L		99
30) methylene chloride	7.126	84	100150	48.07	ug/L		96
31) methyl acetate	6.917	43	84949	43.20	ug/L		99
32) methyl tert butyl ether	7.498	73	575211	92.67	ug/L		97
33) trans-1,2-dichloroethene	7.539	96	90375	49.78	ug/L		97
34) 1-CHLOROPROPANE	7.152	42	185900	48.41	ug/L		96
35) di-isopropyl ether	8.193	45	339880	48.48	ug/L		100
36) 2-butanone	9.004	72	13549	49.14	ug/L	#	88
37) 1,1-dichloroethane	8.193	63	183516	49.49	ug/L		99
38) chloroprene	8.313	53	125981	46.12	ug/L		97
39) acrylonitrile	7.508	53	227700	241.62	ug/L		99
40) vinyl acetate	8.214	86	17153	52.10	ug/L		86
41) ethyl tert-butyl ether	8.716	59	308944	47.76	ug/L		98
42) ethyl acetate	9.035	45	17736	45.96	ug/L	#	54
43) 2,2-dichloropropane	9.014	77	149617	51.57	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128948.D
Acq On : 5 Jun 2014 12:14 pm
Operator : mariceld
Sample : bs
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:35:40 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	102314	50.83	ug/L		95
45) propionitrile	9.114	54	189637	488.61	ug/L		99
46) methylacrylate	9.114	55	128503	47.39	ug/L		94
47) bromochloromethane	9.365	128	51188	49.81	ug/L		95
48) tetrahydrofuran	9.412	72	15678	46.55	ug/L		97
49) chloroform	9.438	85	107894	50.31	ug/L		98
50) T-BUTYL FORMATE	9.469	59	93031	47.16	ug/L		97
51) isobutyl alcohol	9.961	43	64352	410.57	ug/L		98
54) freon 113	6.289	151	75299	56.23	ug/L		99
55) methacrylonitrile	9.312	67	44750	47.72	ug/L		98
56) 1,1,1-trichloroethane	9.689	97	146011	51.06	ug/L		97
57) Cyclohexane	9.752	84	145150	48.71	ug/L		92
59) ISO-OCTANE	10.175	57	346704	43.05	ug/L		95
60) epichlorohydrin	11.922	57	68319	231.78	ug/L		99
61) n-butyl alcohol	10.761	56	199191	1990.27	ug/L		99
62) carbon tetrachloride	9.903	117	135574	51.43	ug/L		99
63) 1,1-dichloropropene	9.888	75	125926	48.81	ug/L		99
65) benzene	10.165	78	382713	48.77	ug/L		100
66) tert-amyl methyl ether	10.223	73	299281	46.30	ug/L		98
67) heptane	10.369	57	67794	47.57	ug/L		98
68) isopropyl acetate	10.134	43	271883	45.89	ug/L		100
69) 1,2-dichloroethane	10.191	62	129930	50.44	ug/L		100
70) trichloroethene	10.934	95	95945	51.04	ug/L		99
71) 2-nitropropane	11.771	41	45088	48.20	ug/L		98
72) 2-chloroethyl vinyl ether	11.802	63	355709	259.11	ug/L		99
73) methyl methacrylate	11.248	100	27023	49.48	ug/L	#	88
74) 1,2-dichloropropane	11.211	63	106617	50.19	ug/L		99
75) dibromomethane	11.378	93	62342	48.84	ug/L		98
76) methylcyclohexane	11.153	83	148703	46.80	ug/L		97
77) bromodichloromethane	11.530	83	134989	50.95	ug/L		99
79) cis-1,3-dichloropropene	12.022	75	162115	48.98	ug/L		99
81) 4-methyl-2-pentanone	12.132	58	50506	46.02	ug/L		99
82) toluene	12.398	92	229033	48.99	ug/L		99
83) 3-methyl-1-butanol	12.184	55	133575	814.78	ug/L		99
84) trans-1,3-dichloropropene	12.628	75	145986	46.09	ug/L		99
85) ethyl methacrylate	12.634	69	134601	45.90	ug/L		99
86) 1,1,2-trichloroethane	12.853	83	77200	47.51	ug/L		98
87) 2-hexanone	13.052	58	47066	46.08	ug/L		99
89) tetrachloroethene	13.026	164	86127	50.49	ug/L		96
90) 1,3-dichloropropane	13.047	76	148240	46.99	ug/L		99
91) butyl acetate	13.136	56	73481	41.68	ug/L		89
92) 3,3-DIMETHYL-1-BUTANOL	13.251	57	146888	383.85	ug/L		98
93) dibromochloromethane	13.324	129	107920	46.06	ug/L		100
94) 1,2-dibromoethane	13.476	107	94695	46.87	ug/L		97
95) chlorobenzene	13.978	112	264759	48.21	ug/L		99
96) 1,1,1,2-tetrachloroethane	14.046	131	105712	47.14	ug/L		98
97) ethylbenzene	14.041	91	456781	47.64	ug/L		100
98) m,p-xylene	14.156	106	348319	96.95	ug/L		100
99) o-xylene	14.600	106	175047	47.13	ug/L		99
100) styrene	14.616	104	297270	48.94	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128948.D
Acq On : 5 Jun 2014 12:14 pm
Operator : mariceld
Sample : bs
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:35:40 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

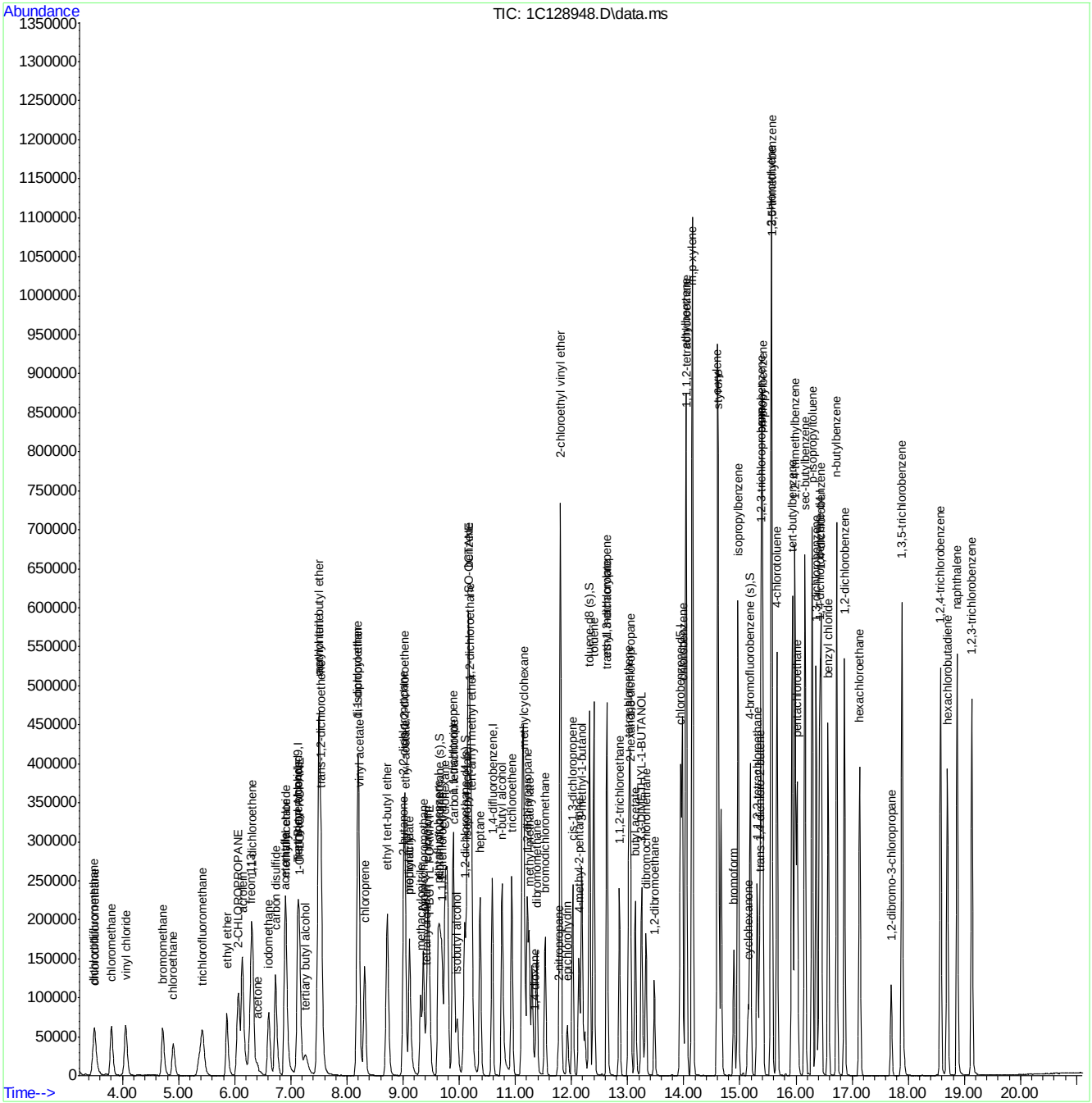
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.893	173	89529	46.42	ug/L	98
104) isopropylbenzene	14.966	105	472494	49.07	ug/L	99
106) cyclohexanone	15.149	55	48453	250.23	ug/L	98
107) bromobenzene	15.385	156	130818	50.36	ug/L	98
108) 1,1,2,2-tetrachloroethane	15.306	83	147367	42.84	ug/L	99
109) trans-1,4-dichloro-2-b...	15.353	53	41287	43.75	ug/L	98
110) 1,2,3-trichloropropane	15.380	110	35965	44.69	ug/L	99
111) n-propylbenzene	15.406	91	575831	51.27	ug/L	99
112) 2-chlorotoluene	15.557	126	118426	49.34	ug/L	97
113) 4-chlorotoluene	15.662	91	337544	47.94	ug/L	99
114) 1,3,5-trimethylbenzene	15.568	105	410844	49.11	ug/L	99
115) tert-butylbenzene	15.934	119	352271	49.43	ug/L	99
116) pentachloroethane	16.023	167	92767	52.10	ug/L	100
117) 1,2,4-trimethylbenzene	15.981	105	424993	51.06	ug/L	99
118) sec-butylbenzene	16.159	105	544282	48.86	ug/L	100
119) 1,3-dichlorobenzene	16.358	146	249062	47.49	ug/L	98
120) p-isopropyltoluene	16.290	119	464764	49.84	ug/L	99
122) 1,4-dichlorobenzene	16.446	146	258344	47.62	ug/L	99
123) benzyl chloride	16.572	91	360595	53.38	ug/L	100
124) 1,2-dichlorobenzene	16.865	146	253130	47.87	ug/L	98
125) n-butylbenzene	16.729	92	246429	50.62	ug/L	99
126) 1,2-dibromo-3-chloropr...	17.697	75	32508	46.68	ug/L	90
127) 1,3,5-trichlorobenzene	17.890	180	237680	52.79	ug/L	100
128) 1,2,4-trichlorobenzene	18.575	180	207737	50.44	ug/L	100
129) hexachlorobutadiene	18.695	225	110892	51.10	ug/L	99
130) naphthalene	18.873	128	489328	45.25	ug/L	100
131) 1,2,3-trichlorobenzene	19.135	180	189263	48.01	ug/L	99
132) hexachloroethane	17.137	201	94108	53.75	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128948.D
Acq On : 5 Jun 2014 12:14 pm
Operator : mariceld
Sample : bs
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:35:40 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 : 3V11385.D
Acq On : 2 Jun 2014 1:00 pm
Operator : thienn
Sample : jb68023-10ms
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 16:30:38 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	7.306	65	75976	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	172811	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.750	114	248106	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	209127	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	120699	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	100240	45.84	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 91.68%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	83324	43.52	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 87.04%				
71) toluene-d8 (s)	12.418	98	300642	48.93	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 97.86%				
95) 4-bromofluorobenzene (s)	15.165	95	114832	54.26	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.52%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.511	88	28607	1477.22	ug/L		99
4) tertiary butyl alcohol	7.437	59	52871	259.80	ug/L		98
6) chlorodifluoromethane	3.557	51	165440	49.92	ug/L		98
7) dichlorodifluoromethane	3.541	85	206634	45.01	ug/L		100
8) chloromethane	3.877	50	179723	45.48	ug/L		97
9) vinyl chloride	4.139	62	193836	45.57	ug/L		99
10) bromomethane	4.815	94	116866	43.28	ug/L		99
11) chloroethane	4.994	64	65933	46.97	ug/L		98
12) trichlorofluoromethane	5.513	101	197938	42.27	ug/L		99
13) ethyl ether	5.969	74	42007	48.36	ug/L		98
14) 2-chloropropane	6.189	43	170434	50.79	ug/L		98
15) acrolein	6.294	56	23329	67.16	ug/L		96
16) 1,1-dichloroethene	6.435	96	104542	44.68	ug/L		94
17) acetone	6.546	43	36027	58.90	ug/L		100
18) allyl chloride	7.059	76	38053	35.58	ug/L	#	79
19) acetonitrile	7.070	40	62109	411.03	ug/L	#	77
20) iodomethane	6.750	142	206713	42.30	ug/L		99
21) iso-butyl alcohol	10.137	41	25422	383.91	ug/L		95
22) carbon disulfide	6.865	76	302446	35.04	ug/L		99
23) methylene chloride	7.290	84	118072	42.99	ug/L		97
24) 1-chloropropane	7.306	42	159660	42.70	ug/L		98
25) methyl acetate	7.065	74	15500	63.48	ug/L		92
26) methyl tert butyl ether	7.641	73	267601	47.56	ug/L		99
27) trans-1,2-dichloroethene	7.699	96	106856	43.16	ug/L		98
28) di-isopropyl ether	8.339	45	293303	49.61	ug/L		95
29) ethyl tert-butyl ether	8.858	59	291406	49.14	ug/L		98
30) 2-butanone	9.188	72	9271	48.13	ug/L		77
31) 1,1-dichloroethane	8.365	63	187589	49.47	ug/L		99
32) chloroprene	8.470	53	58003	23.19	ug/L		97
33) acrylonitrile	7.699	53	123960	222.49	ug/L		97
34) vinyl acetate	8.370	86	2274	10.56	ug/L	#	1
35) ethyl acetate	9.199	45	7305	38.44	ug/L		36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11385.D
Acq On : 2 Jun 2014 1:00 pm
Operator : thienn
Sample : jb68023-10ms
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 16:30:38 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)
36) 2,2-dichloropropane	9.183	77	178454	46.52	ug/L		98
37) cis-1,2-dichloroethene	9.199	96	111187	39.39	ug/L		97
38) propionitrile	9.319	54	99668	405.03	ug/L		99
39) methyl acrylate	9.282	55	65263	40.55	ug/L	#	98
40) bromochloromethane	9.545	128	51845	44.53	ug/L		92
41) tetrahydrofuran	9.571	42	21894	42.60	ug/L		97
42) chloroform	9.613	83	176127	42.77	ug/L		98
45) freon 113	6.414	151	83537	40.02	ug/L		98
46) methacrylonitrile	9.497	41	34031	42.62	ug/L		93
47) 1,1,1-trichloroethane	9.854	97	169292	44.16	ug/L		98
48) tert-amyl methyl ether	10.373	73	266258	44.95	ug/L		97
50) epichlorohydrin	12.066	57	26567	192.13	ug/L		98
51) n-butyl alcohol	10.934	56	122386	2197.40	ug/L		100
52) cyclohexane	9.906	84	122824	37.96	ug/L		93
53) carbon tetrachloride	10.064	117	139545	42.55	ug/L		99
54) 1,1-dichloropropene	10.043	75	112353	43.61	ug/L		100
55) hexane	8.029	57	66462	32.42	ug/L		98
56) ISOOCTANE	10.310	57	161892	22.16	ug/L		97
57) benzene	10.331	78	369389	47.77	ug/L		99
58) heptane	10.509	57	29375	23.49	ug/L		99
59) isopropyl acetate	10.294	43	129339	35.44	ug/L		93
60) 1,2-dichloroethane	10.378	62	101265	46.69	ug/L		97
61) trichloroethene	11.091	95	85158	42.19	ug/L		98
63) 2-nitropropane	11.935	43	116298	45.06	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	176129	248.44	ug/L		99
65) methyl methacrylate	11.285	41	39041	30.47	ug/L		97
66) 1,2-dichloropropane	11.374	63	86893	46.74	ug/L		98
67) methylcyclohexane	11.285	83	98718	29.65	ug/L		98
68) dibromomethane	11.542	93	51462	44.03	ug/L		98
69) bromodichloromethane	11.684	83	108969	44.07	ug/L		97
70) cis-1,3-dichloropropene	12.145	75	115621	42.05	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	24936	43.66	ug/L		98
73) toluene	12.491	92	175670	38.92	ug/L		99
74) 3-methyl-1-butanol	12.292	70	39370	810.44	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	95625	40.89	ug/L		97
76) ethyl methacrylate	12.711	69	65968	37.86	ug/L		98
77) 1,1,2-trichloroethane	12.942	83	52702	41.70	ug/L		99
78) 2-hexanone	13.115	58	21210	40.67	ug/L		95
80) tetrachloroethene	13.073	166	69718	35.93	ug/L		97
81) 1,3-dichloropropane	13.120	76	92430	47.07	ug/L		99
82) butyl acetate	13.188	56	12527	15.47	ug/L		89
83) dibromochloromethane	13.388	129	75367	41.93	ug/L		98
84) 1,2-dibromoethane	13.535	107	62508	44.54	ug/L		99
86) chlorobenzene	14.001	112	175084	37.15	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	79632	41.23	ug/L		99
88) ethylbenzene	14.054	91	346766	42.21	ug/L		99
89) m,p-xylene	14.164	106	235496	73.15	ug/L		100
90) o-xylene	14.599	106	130096	41.61	ug/L		99
91) styrene	14.615	104	158264	33.16	ug/L		99
92) bromoform	14.898	173	48451	36.91	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11385.D
Acq On : 2 Jun 2014 1:00 pm
Operator : thienn
Sample : jb68023-10ms
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 16:30:38 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

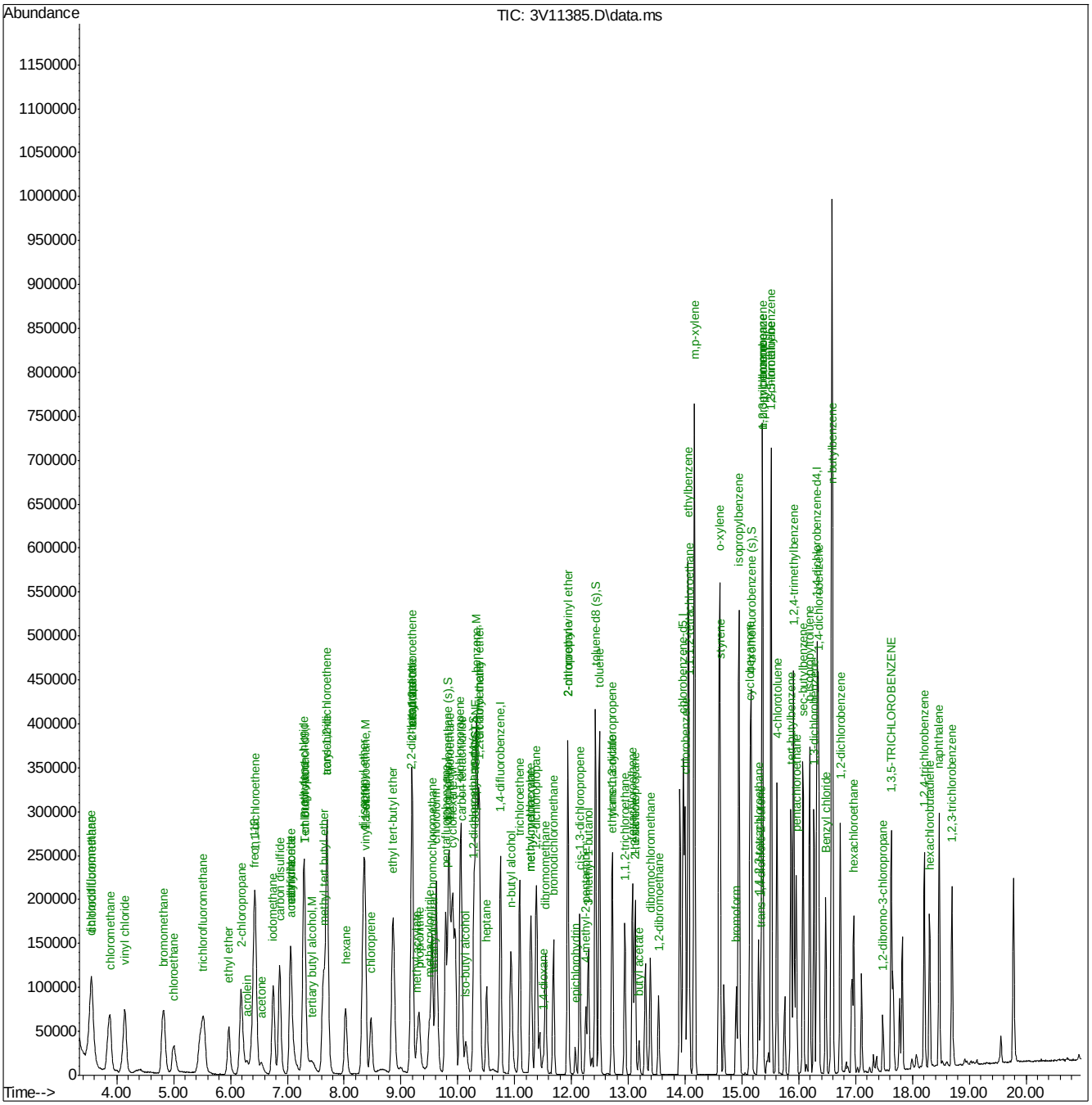
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) isopropylbenzene	14.945	105	377001	49.42	ug/L		98
96) bromobenzene	15.359	156	77209	36.69	ug/L		99
97) cyclohexanone	15.144	55	148111	499.50	ug/L		98
98) 1,1,2,2-tetrachloroethane	15.291	83	83894	42.57	ug/L		100
99) trans-1,4-dichloro-2-b...	15.333	53	15626	35.50	ug/L		96
100) 1,2,3-trichloropropane	15.364	110	18521	43.65	ug/L		99
101) n-propylbenzene	15.364	91	319365	34.71	ug/L		100
102) 2-chlorotoluene	15.511	126	68968	34.86	ug/L		97
103) 4-chlorotoluene	15.616	91	188326	33.03	ug/L		100
104) 1,3,5-trimethylbenzene	15.516	105	227123	34.34	ug/L		100
105) tert-butylbenzene	15.862	119	166260	30.55	ug/L		99
106) pentachloroethane	15.957	167	48885	34.48	ug/L		99
107) 1,2,4-trimethylbenzene	15.910	105	266346	38.07	ug/L		99
108) sec-butylbenzene	16.072	105	266452	29.37	ug/L		100
109) 1,3-dichlorobenzene	16.266	146	127964	28.72	ug/L		98
110) p-isopropyltoluene	16.193	119	226525	30.19	ug/L		99
111) 1,4-dichlorobenzene	16.350	146	128792	28.63	ug/L		99
112) 1,2-dichlorobenzene	16.733	146	119794	27.22	ug/L		99
113) n-butylbenzene	16.596	92	121158	28.26	ug/L		94
114) 1,2-dibromo-3-chloropr...	17.477	75	14193	32.15	ug/L		98
115) 1,3,5-TRICHLOROBENZENE	17.629	180	89057	20.22	ug/L		100
116) 1,2,4-trichlorobenzene	18.206	180	75357	18.27	ug/L		99
117) hexachlorobutadiene	18.300	225	40049	18.65	ug/L		97
118) naphthalene	18.468	128	216879	26.39	ug/L		99
119) 1,2,3-trichlorobenzene	18.694	180	66653	17.29	ug/L		100
120) hexachloroethane	16.969	119	32647	20.13	ug/L	#	67
121) Benzyl chloride	16.471	91	129790	33.28	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11385.D
Acq On : 2 Jun 2014 1:00 pm
Operator : thienn
Sample : jb68023-10ms
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 16:30:38 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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11386.D
Acq On : 2 Jun 2014 1:26 pm
Operator : thienn
Sample : jb68023-10msd
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 16:30:55 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	82695	500.00	ug/L		0.00
5) pentafluorobenzene	9.786	168	181286	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	263726	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	230309	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	138119	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	105680	46.07	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 92.14%				
44) 1,2-dichloroethane-d4 (s)	10.279	65	88130	43.88	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 87.76%				
71) toluene-d8 (s)	12.418	98	324905	49.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 99.48%				
95) 4-bromofluorobenzene (s)	15.165	95	129954	53.66	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 107.32%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.506	88	33617	1594.89	ug/L		99
4) tertiary butyl alcohol	7.426	59	62348	281.47	ug/L		98
6) chlorodifluoromethane	3.557	51	172949	49.73	ug/L		99
7) dichlorodifluoromethane	3.547	85	221508	46.00	ug/L		99
8) chloromethane	3.877	50	190300	45.91	ug/L		97
9) vinyl chloride	4.139	62	201456	45.15	ug/L		98
10) bromomethane	4.815	94	117720	41.55	ug/L		97
11) chloroethane	4.999	64	69395	47.12	ug/L		98
12) trichlorofluoromethane	5.518	101	207058	42.15	ug/L		99
13) ethyl ether	5.974	74	42353	46.48	ug/L		98
14) 2-chloropropane	6.189	43	177951	50.55	ug/L		99
15) acrolein	6.289	56	16912	46.41	ug/L		99
16) 1,1-dichloroethene	6.436	96	107508	43.80	ug/L		93
17) acetone	6.546	43	38242	59.60	ug/L		96
18) allyl chloride	7.054	76	29152	25.98	ug/L	#	72
19) acetonitrile	7.070	40	65156	411.04	ug/L	#	62
20) iodomethane	6.745	142	205576	40.10	ug/L		99
21) iso-butyl alcohol	10.142	41	30621	440.80	ug/L		98
22) carbon disulfide	6.865	76	337824	37.30	ug/L		99
23) methylene chloride	7.290	84	123815	42.97	ug/L		97
24) 1-chloropropane	7.306	42	163492	41.68	ug/L		99
25) methyl acetate	7.059	74	17093	66.74	ug/L		96
26) methyl tert butyl ether	7.647	73	288575	48.89	ug/L		100
27) trans-1,2-dichloroethene	7.699	96	106119	40.86	ug/L		98
28) di-isopropyl ether	8.339	45	309347	49.88	ug/L		93
29) ethyl tert-butyl ether	8.863	59	312028	50.16	ug/L		98
30) 2-butanone	9.188	72	10064	49.81	ug/L		85
31) 1,1-dichloroethane	8.365	63	196645	49.44	ug/L		99
32) chloroprene	8.475	53	69168	26.36	ug/L		100
33) acrylonitrile	7.699	53	131707	225.35	ug/L		97
34) vinyl acetate	8.370	86	2001	8.86	ug/L	#	1
35) ethyl acetate	9.204	45	8499	42.63	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11386.D
Acq On : 2 Jun 2014 1:26 pm
Operator : thienn
Sample : jb68023-10msd
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 16:30:55 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	186902	46.45	ug/L		99
37) cis-1,2-dichloroethene	9.199	96	114888	38.80	ug/L		92
38) propionitrile	9.319	54	113883	441.16	ug/L		94
39) methyl acrylate	9.283	55	72753	43.09	ug/L	#	97
40) bromochloromethane	9.545	128	54330	44.48	ug/L		94
41) tetrahydrofuran	9.566	42	25041	46.44	ug/L		97
42) chloroform	9.613	83	186478	43.17	ug/L		98
45) freon 113	6.409	151	89601	40.92	ug/L		98
46) methacrylonitrile	9.503	41	36832	43.97	ug/L		96
47) 1,1,1-trichloroethane	9.854	97	181741	45.20	ug/L		96
48) tert-amyl methyl ether	10.373	73	286826	46.15	ug/L		96
50) epichlorohydrin	12.067	57	30825	209.72	ug/L		98
51) n-butyl alcohol	10.934	56	150528	2542.61	ug/L		99
52) cyclohexane	9.906	84	136069	39.56	ug/L		94
53) carbon tetrachloride	10.064	117	151431	43.44	ug/L		99
54) 1,1-dichloropropene	10.043	75	121691	44.44	ug/L		97
55) hexane	8.029	57	75314	34.56	ug/L		97
56) ISOOCTANE	10.310	57	181889	23.43	ug/L		97
57) benzene	10.331	78	382031	46.48	ug/L		99
58) heptane	10.509	57	33871	25.48	ug/L		95
59) isopropyl acetate	10.294	43	148143	38.18	ug/L		93
60) 1,2-dichloroethane	10.378	62	109083	47.32	ug/L		100
61) trichloroethene	11.086	95	90560	42.21	ug/L		97
63) 2-nitropropane	11.935	43	129766	47.30	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	194688	258.35	ug/L		99
65) methyl methacrylate	11.285	41	44653	32.79	ug/L		96
66) 1,2-dichloropropane	11.374	63	95963	48.56	ug/L		96
67) methylcyclohexane	11.285	83	113658	32.11	ug/L		96
68) dibromomethane	11.542	93	55384	44.58	ug/L		97
69) bromodichloromethane	11.684	83	118949	45.26	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	121725	41.65	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	28404	46.79	ug/L		99
73) toluene	12.491	92	191311	39.88	ug/L		99
74) 3-methyl-1-butanol	12.297	70	47931	928.23	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	102005	41.03	ug/L		98
76) ethyl methacrylate	12.711	69	71756	38.75	ug/L		98
77) 1,1,2-trichloroethane	12.937	83	58806	43.77	ug/L		98
78) 2-hexanone	13.115	58	25401	45.82	ug/L		94
80) tetrachloroethene	13.078	166	81345	38.06	ug/L		99
81) 1,3-dichloropropane	13.120	76	102883	47.57	ug/L		99
82) butyl acetate	13.189	56	27627	30.98	ug/L		100
83) dibromochloromethane	13.388	129	85188	43.04	ug/L		99
84) 1,2-dibromoethane	13.535	107	69858	45.20	ug/L		98
86) chlorobenzene	14.001	112	201707	38.86	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	90839	42.71	ug/L		100
88) ethylbenzene	14.054	91	365093	40.36	ug/L		100
89) m,p-xylene	14.164	106	264254	74.53	ug/L		99
90) o-xylene	14.599	106	138575	40.24	ug/L		100
91) styrene	14.615	104	185700	35.33	ug/L		99
92) bromoform	14.898	173	55885	38.66	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11386.D
Acq On : 2 Jun 2014 1:26 pm
Operator : thienn
Sample : jb68023-10msd
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 16:30:55 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

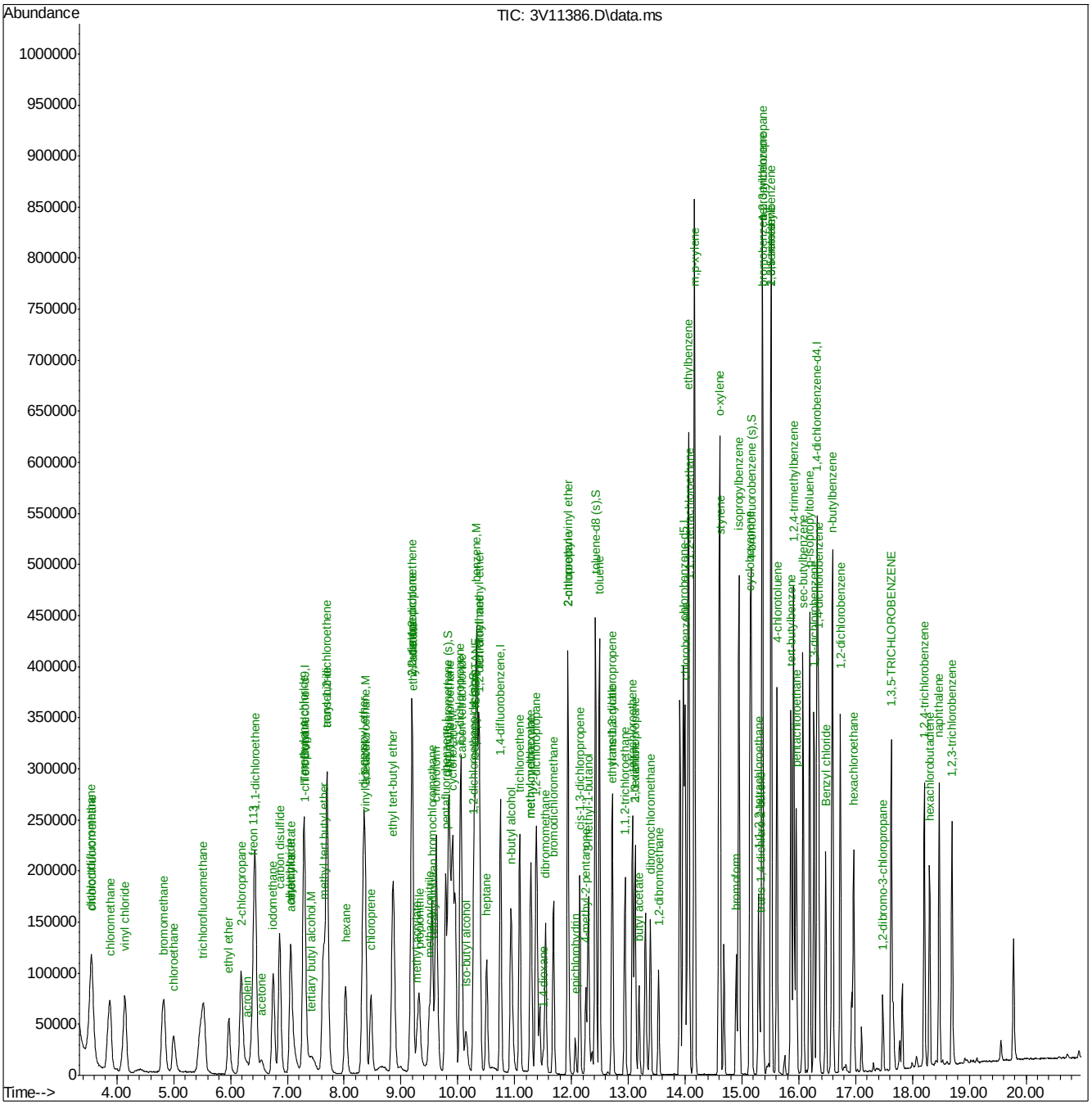
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	354445	40.60	ug/L	99
96) bromobenzene	15.359	156	88261	36.65	ug/L	97
97) cyclohexanone	15.144	55	169563	499.73	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	97220	43.11	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	15358	30.49	ug/L	98
100) 1,2,3-trichloropropane	15.364	110	21354	43.97	ug/L	97
101) n-propylbenzene	15.364	91	370719	35.21	ug/L	99
102) 2-chlorotoluene	15.516	126	81111	35.83	ug/L	97
103) 4-chlorotoluene	15.616	91	221876	34.01	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	264722	34.97	ug/L	99
105) tert-butylbenzene	15.863	119	197956	31.79	ug/L	98
106) pentachloroethane	15.957	167	54929	33.85	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	271522	33.92	ug/L	98
108) sec-butylbenzene	16.072	105	311184	29.97	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	150082	29.43	ug/L	100
110) p-isopropyltoluene	16.193	119	267519	31.15	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	148644	28.88	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	145338	28.86	ug/L	100
113) n-butylbenzene	16.597	92	134688	27.45	ug/L	96
114) 1,2-dibromo-3-chloropr...	17.477	75	17332	34.31	ug/L	95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	106033	21.04	ug/L	100
116) 1,2,4-trichlorobenzene	18.206	180	87961	18.64	ug/L	99
117) hexachlorobutadiene	18.301	225	45232	18.41	ug/L	98
118) naphthalene	18.468	128	211984	22.54	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	77256	17.51	ug/L	98
120) hexachloroethane	16.964	119	44827	24.16	ug/L	87
121) Benzyl chloride	16.471	91	145132	32.52	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11386.D
Acq On : 2 Jun 2014 1:26 pm
Operator : thienn
Sample : jb68023-10msd
Misc : MS68346,V3V484,3.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 16:30:55 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\
Data File : 3V11424.D
Acq On : 4 Jun 2014 2:16 pm
Operator : thienn
Sample : jb68173-10ms
Misc : MS68397,V3V486,5.9,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 15:51:37 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	60311	500.00	ug/L		-0.02
5) pentafluorobenzene	9.781	168	155724	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.745	114	220551	50.00	ug/L		0.00
79) chlorobenzene-d5	13.965	117	189000	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	114289	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	87244	44.28	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 88.56%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	73833	42.80	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 85.60%				
71) toluene-d8 (s)	12.418	98	278343	50.96	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.92%				
95) 4-bromofluorobenzene (s)	15.165	95	108505	54.15	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 108.30%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.506	88	17034	1108.08	ug/L	#	96
4) tertiary butyl alcohol	7.426	59	36795	227.77	ug/L		94
6) chlorodifluoromethane	3.547	51	165185	55.89	ug/L		98
7) dichlorodifluoromethane	3.531	85	245767	59.41	ug/L		98
8) chloromethane	3.861	50	229578	64.48	ug/L		100
9) vinyl chloride	4.129	62	241560	63.03	ug/L		99
10) bromomethane	4.810	94	137003	56.30	ug/L		98
11) chloroethane	4.994	64	73993	58.50	ug/L		99
12) trichlorofluoromethane	5.513	101	245312	58.14	ug/L		100
13) ethyl ether	5.958	74	35690	45.60	ug/L		87
14) 2-chloropropane	6.179	43	183732	60.76	ug/L		100
15) acrolein	6.278	56	129493	413.67	ug/L		100
16) 1,1-dichloroethene	6.425	96	103263	48.98	ug/L		83
17) acetone	6.540	43	34480	62.56	ug/L		93
18) allyl chloride	7.049	76	46925	48.69	ug/L	#	85
19) acetonitrile	7.054	40	55210	405.46	ug/L	#	65
20) iodomethane	6.740	142	206975	47.01	ug/L		96
21) iso-butyl alcohol	10.137	41	20595	345.14	ug/L		95
22) carbon disulfide	6.855	76	429646	55.23	ug/L		97
23) methylene chloride	7.280	84	111624	45.10	ug/L		88
24) 1-chloropropane	7.301	42	172127	51.09	ug/L		98
25) methyl acetate	7.054	74	7825	35.57	ug/L	#	83
26) methyl tert butyl ether	7.641	73	239043	47.14	ug/L		96
27) trans-1,2-dichloroethene	7.694	96	104070	46.65	ug/L		92
28) di-isopropyl ether	8.334	45	292804	54.96	ug/L		96
29) ethyl tert-butyl ether	8.858	59	267021	49.97	ug/L		96
30) 2-butanone	9.183	72	7784	44.85	ug/L		86
31) 1,1-dichloroethane	8.360	63	191327	56.00	ug/L		99
32) chloroprene	8.470	53	122789	54.47	ug/L		94
33) acrylonitrile	7.694	53	101338	201.85	ug/L		98
34) vinyl acetate	8.365	86	6994	36.06	ug/L		70
35) ethyl acetate	9.204	45	6494	37.92	ug/L		57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11424.D
Acq On : 4 Jun 2014 2:16 pm
Operator : thienn
Sample : jb68173-10ms
Misc : MS68397,V3V486,5.9,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 15:51:37 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	198596	57.46	ug/L		98
37)	cis-1,2-dichloroethene	9.193	96	108676	42.72	ug/L		91
38)	propionitrile	9.314	54	77669	350.26	ug/L		91
39)	methyl acrylate	9.277	55	54190	37.36	ug/L	#	95
40)	bromochloromethane	9.539	128	44941	42.84	ug/L	#	85
41)	tetrahydrofuran	9.566	42	18338	39.59	ug/L		94
42)	chloroform	9.613	83	178246	48.04	ug/L		97
45)	freon 113	6.404	151	91756	48.78	ug/L		99
46)	methacrylonitrile	9.497	41	29895	41.55	ug/L		86
47)	1,1,1-trichloroethane	9.854	97	188431	54.55	ug/L		98
48)	tert-amyl methyl ether	10.373	73	234633	43.95	ug/L		98
50)	epichlorohydrin	12.061	57	20829	169.46	ug/L		99
51)	n-butyl alcohol	10.929	56	81197	1640.01	ug/L		93
52)	cyclohexane	9.906	84	173868	60.45	ug/L		81
53)	carbon tetrachloride	10.064	117	169853	58.26	ug/L		99
54)	1,1-dichloropropene	10.043	75	131428	57.39	ug/L		97
55)	hexane	8.024	57	117360	64.40	ug/L		98
56)	ISOOCTANE	10.305	57	398145	61.32	ug/L		98
57)	benzene	10.326	78	364798	53.07	ug/L		98
58)	heptane	10.504	57	66619	59.94	ug/L		94
59)	isopropyl acetate	10.294	43	161025	49.63	ug/L		93
60)	1,2-dichloroethane	10.373	62	96086	49.84	ug/L		100
61)	trichloroethene	11.086	95	94284	52.54	ug/L		95
63)	2-nitropropane	11.935	43	109213	47.60	ug/L		97
64)	2-chloroethyl vinyl ether	11.935	63	157746	250.31	ug/L		98
65)	methyl methacrylate	11.285	41	78984	69.35	ug/L		89
66)	1,2-dichloropropane	11.374	63	89705	54.28	ug/L		95
67)	methylcyclohexane	11.291	83	180773	61.07	ug/L		96
68)	dibromomethane	11.542	93	45930	44.21	ug/L		98
69)	bromodichloromethane	11.679	83	112098	51.00	ug/L		98
70)	cis-1,3-dichloropropene	12.145	75	124992	51.14	ug/L		98
72)	4-methyl-2-pentanone	12.250	58	20713	40.80	ug/L		85
73)	toluene	12.491	92	193370	48.20	ug/L		99
74)	3-methyl-1-butanol	12.292	70	29715	688.11	ug/L	#	77
75)	trans-1,3-dichloropropene	12.722	75	100619	48.40	ug/L		99
76)	ethyl methacrylate	12.711	69	69447	44.84	ug/L		94
77)	1,1,2-trichloroethane	12.937	83	49647	44.19	ug/L		98
78)	2-hexanone	13.115	58	21282	45.91	ug/L		94
80)	tetrachloroethene	13.073	166	92236	52.59	ug/L		97
81)	1,3-dichloropropane	13.120	76	88376	49.80	ug/L		99
82)	butyl acetate	13.189	56	30619	41.84	ug/L		94
83)	dibromochloromethane	13.388	129	75457	46.45	ug/L		99
84)	1,2-dibromoethane	13.529	107	57036	44.97	ug/L		100
86)	chlorobenzene	13.996	112	217451	51.05	ug/L		94
87)	1,1,1,2-tetrachloroethane	14.069	131	96684	55.40	ug/L		99
88)	ethylbenzene	14.054	91	399546	53.82	ug/L		98
89)	m,p-xylene	14.164	106	299361	102.88	ug/L		97
90)	o-xylene	14.599	106	156561	55.40	ug/L		95
91)	styrene	14.615	104	236437	54.82	ug/L		98
92)	bromoform	14.898	173	48508	40.89	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11424.D
Acq On : 4 Jun 2014 2:16 pm
Operator : thienn
Sample : jb68173-10ms
Misc : MS68397,V3V486,5.9,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 15:51:37 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

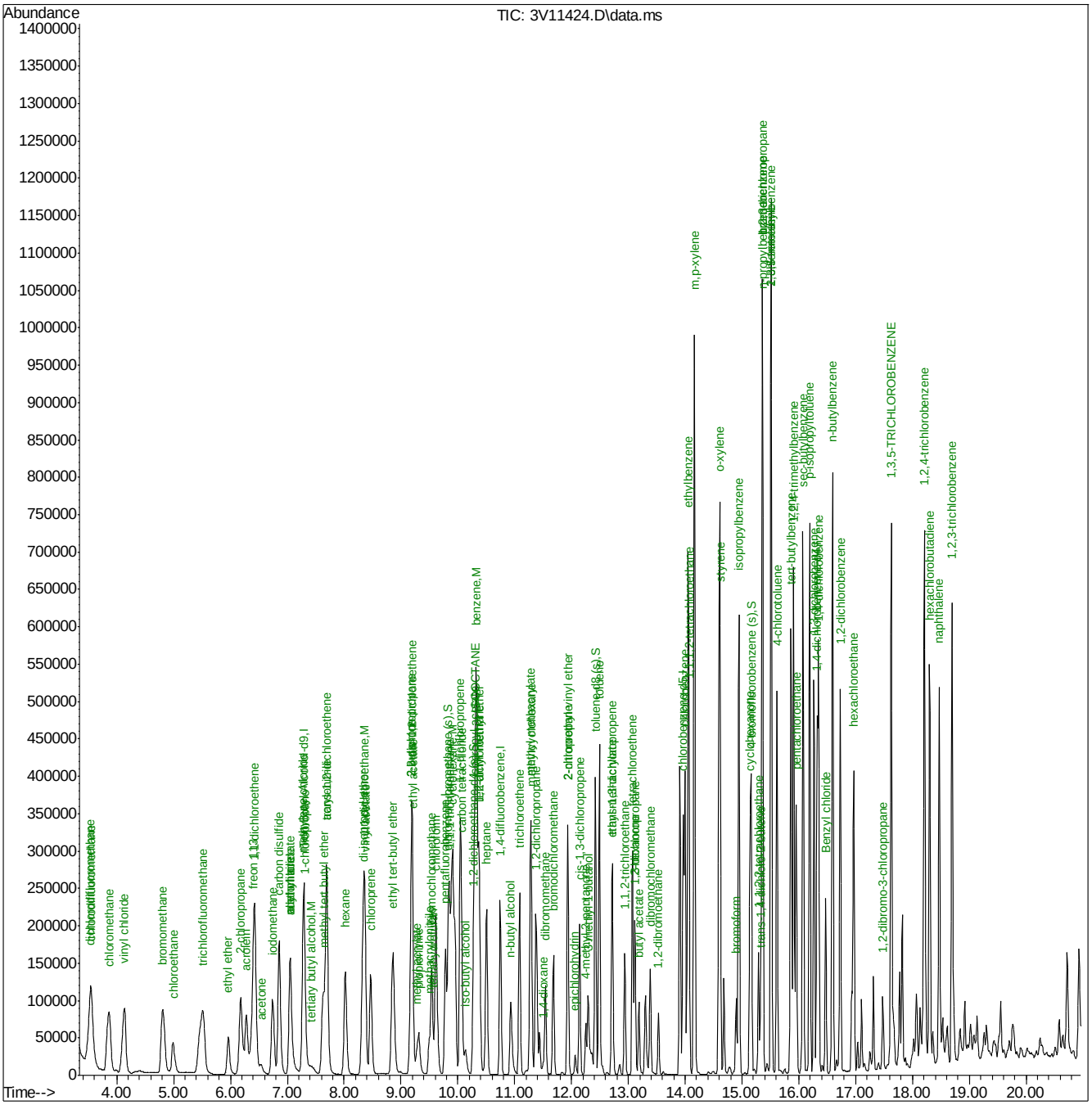
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	434334	60.13	ug/L	98
96) bromobenzene	15.359	156	99628	50.00	ug/L	96
97) cyclohexanone	15.144	55	134294	478.31	ug/L	96
98) 1,1,2,2-tetrachloroethane	15.291	83	86555	46.39	ug/L	97
99) trans-1,4-dichloro-2-b...	15.328	53	20557	49.33	ug/L	83
100) 1,2,3-trichloropropane	15.359	110	17190	42.78	ug/L	97
101) n-propylbenzene	15.364	91	532238	61.10	ug/L	98
102) 2-chlorotoluene	15.511	126	104097	55.57	ug/L	89
103) 4-chlorotoluene	15.616	91	300901	55.73	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	381551	60.92	ug/L	99
105) tert-butylbenzene	15.863	119	315226	61.18	ug/L	99
106) pentachloroethane	15.957	167	73686	54.88	ug/L	99
107) 1,2,4-trimethylbenzene	15.910	105	377828	57.04	ug/L	99
108) sec-butylbenzene	16.072	105	546411	63.60	ug/L	98
109) 1,3-dichlorobenzene	16.266	146	213095	50.50	ug/L	98
110) p-isopropyltoluene	16.193	119	436337	61.40	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	210922	49.52	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	208072	49.93	ug/L	99
113) n-butylbenzene	16.597	92	247770	61.03	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	17649	42.22	ug/L	88
115) 1,3,5-TRICHLOROBENZENE	17.624	180	224457	53.83	ug/L	99
116) 1,2,4-trichlorobenzene	18.206	180	204952	52.48	ug/L	99
117) hexachlorobutadiene	18.301	225	116461	57.28	ug/L	99
118) naphthalene	18.468	128	368563	47.36	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	192148	52.63	ug/L	99
120) hexachloroethane	16.969	119	83426	54.34	ug/L	89
121) Benzyl chloride	16.471	91	152642	41.34	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11424.D
Acq On : 4 Jun 2014 2:16 pm
Operator : thienn
Sample : jb68173-10ms
Misc : MS68397,V3V486,5.9,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 15:51:37 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\
Data File : 3V11450.D
Acq On : 5 Jun 2014 2:19 pm
Operator : thienn
Sample : jb68467-1ms
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 14:41:17 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	93238	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	199976	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	280529	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	253734	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	158114	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	109539	43.29	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.58%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	86735	39.15	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 78.30%			
71) toluene-d8 (s)	12.418	98	353434	50.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.74%			
95) 4-bromofluorobenzene (s)	15.165	95	142285	51.32	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.64%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.500	88	24323	1023.47	ug/L #	98
4) tertiary butyl alcohol	7.432	59	55153	220.84	ug/L	98
6) chlorodifluoromethane	3.552	51	126269	31.10	ug/L	95
7) dichlorodifluoromethane	3.536	85	108133	20.36	ug/L	98
8) chloromethane	3.861	50	199754	43.69	ug/L	100
9) vinyl chloride	4.129	62	213134	43.30	ug/L	99
10) bromomethane	4.815	94	141024	45.13	ug/L	98
11) chloroethane	4.994	64	77471	47.69	ug/L	98
12) trichlorofluoromethane	5.508	101	173622	32.04	ug/L	99
13) ethyl ether	5.969	74	43617	43.39	ug/L	96
14) 2-chloropropane	6.184	43	162992	41.97	ug/L	98
15) acrolein	6.289	56	147064	365.84	ug/L	99
16) 1,1-dichloroethene	6.436	96	103697	38.30	ug/L	97
17) acetone	6.540	43	35037	49.50	ug/L	98
18) allyl chloride	7.054	76	45779	36.99	ug/L	95
19) acetonitrile	7.065	40	60886	348.20	ug/L	90
20) iodomethane	6.745	142	240262	42.49	ug/L	98
21) iso-butyl alcohol	10.142	41	28266	368.87	ug/L	97
22) carbon disulfide	6.860	76	413896	41.43	ug/L	99
23) methylene chloride	7.285	84	123873	38.97	ug/L	95
24) 1-chloropropane	7.306	42	161968	37.43	ug/L	99
25) methyl acetate	7.059	74	11097	39.28	ug/L	97
26) methyl tert butyl ether	7.641	73	286350	43.98	ug/L	100
27) trans-1,2-dichloroethene	7.699	96	113269	39.54	ug/L	99
28) di-isopropyl ether	8.334	45	292507	42.75	ug/L	98
29) ethyl tert-butyl ether	8.863	59	289443	42.18	ug/L	99
30) 2-butanone	9.183	72	8730	39.17	ug/L	90
31) 1,1-dichloroethane	8.365	63	197198	44.94	ug/L	99
32) chloroprene	8.470	53	114909	39.69	ug/L	100
33) acrylonitrile	7.699	53	130488	202.39	ug/L	96
34) vinyl acetate	8.365	86	8314	33.38	ug/L	32
35) ethyl acetate	9.199	45	7908	35.96	ug/L	29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11450.D
Acq On : 5 Jun 2014 2:19 pm
Operator : thienn
Sample : jb68467-1ms
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 14:41:17 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	130634	29.43	ug/L		99
37)	cis-1,2-dichloroethene	9.199	96	124538	38.12	ug/L		100
38)	propionitrile	9.319	54	108806	382.10	ug/L		93
39)	methyl acrylate	9.283	55	73086	39.24	ug/L	#	98
40)	bromochloromethane	9.539	128	57089	42.37	ug/L		95
41)	tetrahydrofuran	9.566	42	23880	40.15	ug/L		98
42)	chloroform	9.613	83	193938	40.70	ug/L		99
45)	freon 113	6.404	151	49286	20.40	ug/L		91
46)	methacrylonitrile	9.497	41	36759	39.78	ug/L		95
47)	1,1,1-trichloroethane	9.854	97	184098	41.50	ug/L		98
48)	tert-amyl methyl ether	10.373	73	269576	39.32	ug/L		98
50)	epichlorohydrin	12.067	57	26001	166.31	ug/L		98
51)	n-butyl alcohol	10.934	56	125664	1995.48	ug/L		97
52)	cyclohexane	9.906	84	103719	28.35	ug/L		87
53)	carbon tetrachloride	10.064	117	157745	42.54	ug/L		99
54)	1,1-dichloropropene	10.048	75	129896	44.60	ug/L		99
55)	hexane	8.029	57	39000	16.83	ug/L		96
56)	ISOOCTANE	10.310	57	107071	12.96	ug/L		98
57)	benzene	10.331	78	403749	46.18	ug/L		100
58)	heptane	10.509	57	19853	14.04	ug/L		98
59)	isopropyl acetate	10.289	43	126456	30.64	ug/L		88
60)	1,2-dichloroethane	10.373	62	109620	44.70	ug/L		98
61)	trichloroethene	11.086	95	103770	45.46	ug/L		99
63)	2-nitropropane	11.935	43	132818	45.51	ug/L		99
64)	2-chloroethyl vinyl ether	11.935	63	199810	249.27	ug/L		98
65)	methyl methacrylate	11.285	41	31130	21.49	ug/L		97
66)	1,2-dichloropropane	11.374	63	101318	48.20	ug/L		97
67)	methylcyclohexane	11.285	83	79829	21.20	ug/L		96
68)	dibromomethane	11.542	93	58627	44.36	ug/L		97
69)	bromodichloromethane	11.684	83	130457	46.67	ug/L		98
70)	cis-1,3-dichloropropene	12.145	75	137460	44.22	ug/L		99
72)	4-methyl-2-pentanone	12.250	58	28507	44.15	ug/L		97
73)	toluene	12.491	92	223390	43.78	ug/L		97
74)	3-methyl-1-butanol	12.297	70	42694	777.28	ug/L		97
75)	trans-1,3-dichloropropene	12.722	75	116116	43.91	ug/L		100
76)	ethyl methacrylate	12.711	69	90737	46.06	ug/L		97
77)	1,1,2-trichloroethane	12.937	83	64553	45.17	ug/L		99
78)	2-hexanone	13.115	58	25300	42.90	ug/L		95
80)	tetrachloroethene	13.078	166	103374	43.91	ug/L		97
81)	1,3-dichloropropane	13.120	76	112075	47.04	ug/L		99
82)	butyl acetate	13.189	56	40455	41.18	ug/L		96
83)	dibromochloromethane	13.388	129	102097	46.82	ug/L		98
84)	1,2-dibromoethane	13.535	107	79505	46.69	ug/L		99
86)	chlorobenzene	14.001	112	268616	46.97	ug/L		99
87)	1,1,1,2-tetrachloroethane	14.069	131	112076	47.83	ug/L		99
88)	ethylbenzene	14.054	91	456832	45.84	ug/L		98
89)	m,p-xylene	14.164	106	348568	89.23	ug/L		99
90)	o-xylene	14.599	106	184141	48.54	ug/L		100
91)	styrene	14.615	104	291515	50.34	ug/L		99
92)	bromoform	14.898	173	72719	45.66	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11450.D
Acq On : 5 Jun 2014 2:19 pm
Operator : thienn
Sample : jb68467-1ms
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 14:41:17 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

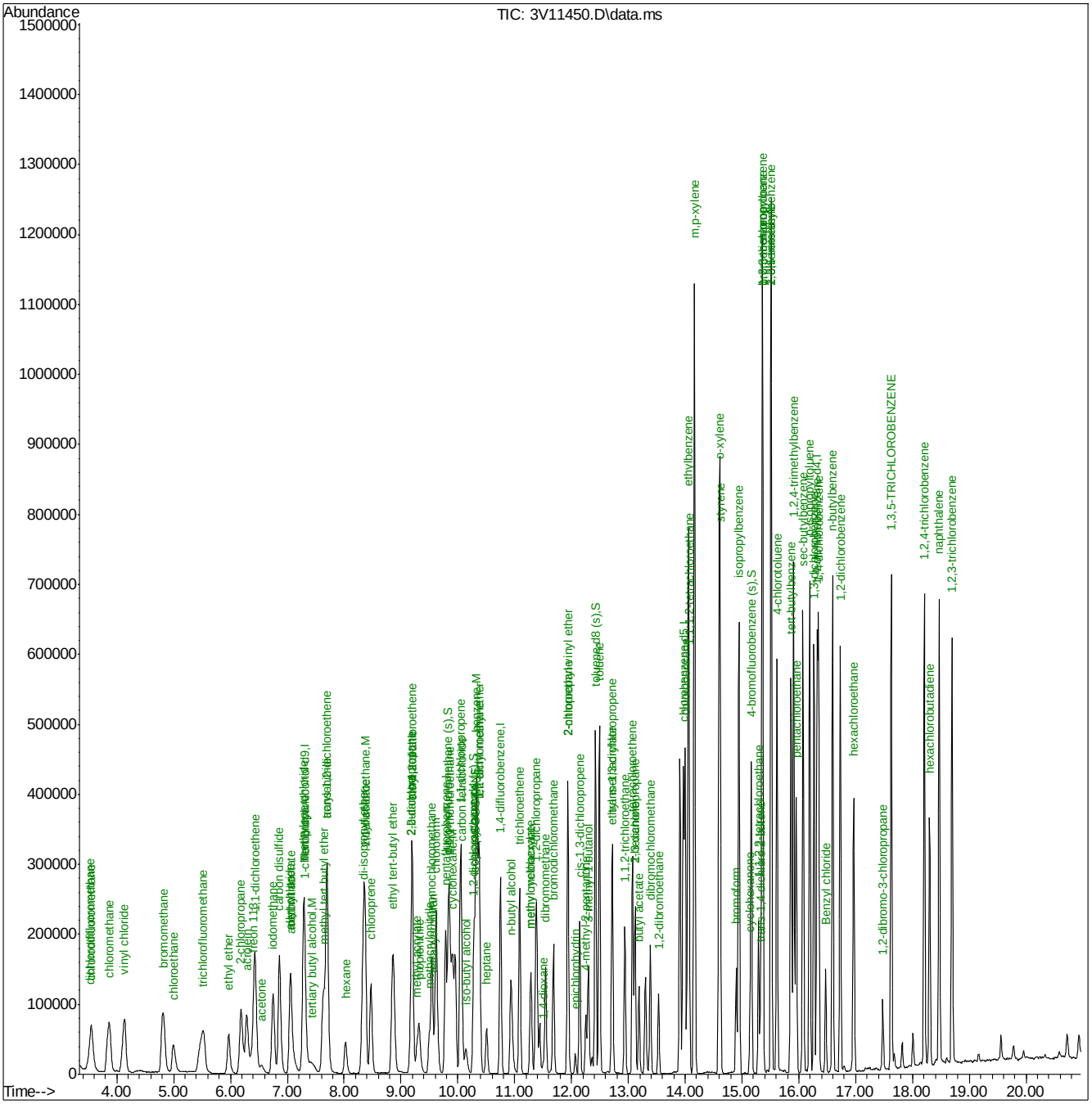
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	476350	47.67	ug/L	99
96) bromobenzene	15.359	156	129364	46.93	ug/L	99
97) cyclohexanone	15.144	55	35189	90.59	ug/L	94
98) 1,1,2,2-tetrachloroethane	15.291	83	119588	46.33	ug/L	98
99) trans-1,4-dichloro-2-b...	15.328	53	22811	39.57	ug/L	88
100) 1,2,3-trichloropropane	15.359	110	24721	44.47	ug/L	98
101) n-propylbenzene	15.364	91	553153	45.90	ug/L	100
102) 2-chlorotoluene	15.511	126	123231	47.55	ug/L	99
103) 4-chlorotoluene	15.616	91	342187	45.81	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	409867	47.30	ug/L	100
105) tert-butylbenzene	15.863	119	309765	43.45	ug/L	98
106) pentachloroethane	15.957	167	86567	46.60	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	417708	45.58	ug/L	99
108) sec-butylbenzene	16.072	105	509077	42.83	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	257071	44.04	ug/L	98
110) p-isopropyltoluene	16.193	119	440795	44.84	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	257222	43.66	ug/L	98
112) 1,2-dichlorobenzene	16.733	146	256960	44.57	ug/L	99
113) n-butylbenzene	16.597	92	223472	39.79	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	23202	40.12	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.624	180	230155	39.89	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	217955	40.34	ug/L	98
117) hexachlorobutadiene	18.301	225	81583	29.00	ug/L	96
118) naphthalene	18.468	128	513897	47.73	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	200882	39.77	ug/L	100
120) hexachloroethane	16.964	119	90063	42.40	ug/L	99
121) Benzyl chloride	16.471	91	103871	20.33	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11450.D
Acq On : 5 Jun 2014 2:19 pm
Operator : thienn
Sample : jb68467-1ms
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 14:41:17 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\
Data File : 3V11451.D
Acq On : 5 Jun 2014 2:46 pm
Operator : thienn
Sample : jb68467-1msd
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 15:08:26 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	92257	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	204209	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	290455	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	258024	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	157943	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	111582	43.18	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 86.36%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	89722	39.66	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 79.32%			
71) toluene-d8 (s)	12.418	98	359216	49.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 99.88%			
95) 4-bromofluorobenzene (s)	15.165	95	143799	51.93	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.86%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.506	88	25609	1089.04	ug/L #	96
4) tertiary butyl alcohol	7.426	59	56413	228.28	ug/L	96
6) chlorodifluoromethane	3.557	51	132028	31.97	ug/L	95
7) dichlorodifluoromethane	3.547	85	112803	20.79	ug/L	100
8) chloromethane	3.866	50	207113	44.36	ug/L	99
9) vinyl chloride	4.134	62	218832	43.54	ug/L	99
10) bromomethane	4.815	94	144282	45.21	ug/L	96
11) chloroethane	4.994	64	80241	48.37	ug/L	97
12) trichlorofluoromethane	5.518	101	176394	31.88	ug/L	99
13) ethyl ether	5.964	74	44773	43.62	ug/L	99
14) 2-chloropropane	6.184	43	166781	42.06	ug/L	98
15) acrolein	6.289	56	147176	358.53	ug/L	99
16) 1,1-dichloroethene	6.430	96	106760	38.61	ug/L	94
17) acetone	6.546	43	35579	49.23	ug/L	96
18) allyl chloride	7.054	76	46191	36.55	ug/L	91
19) acetonitrile	7.070	40	62005	347.25	ug/L	88
20) iodomethane	6.745	142	246414	42.68	ug/L	99
21) iso-butyl alcohol	10.142	41	26943	344.32	ug/L	98
22) carbon disulfide	6.860	76	425823	41.74	ug/L	99
23) methylene chloride	7.290	84	127094	39.16	ug/L	95
24) 1-chloropropane	7.306	42	168191	38.07	ug/L	99
25) methyl acetate	7.065	74	11799	40.90	ug/L	97
26) methyl tert butyl ether	7.641	73	295754	44.48	ug/L	100
27) trans-1,2-dichloroethene	7.699	96	116815	39.93	ug/L	99
28) di-isopropyl ether	8.334	45	296524	42.44	ug/L	96
29) ethyl tert-butyl ether	8.858	59	295517	42.17	ug/L	99
30) 2-butanone	9.188	72	8690	38.18	ug/L	95
31) 1,1-dichloroethane	8.365	63	203258	45.36	ug/L	99
32) chloroprene	8.475	53	117224	39.65	ug/L	98
33) acrylonitrile	7.699	53	134313	204.01	ug/L	99
34) vinyl acetate	8.365	86	8531	33.54	ug/L	77
35) ethyl acetate	9.199	45	7953	35.41	ug/L	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11451.D
Acq On : 5 Jun 2014 2:46 pm
Operator : thienn
Sample : jb68467-1msd
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 15:08:26 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	131215	28.95	ug/L		99
37) cis-1,2-dichloroethene	9.199	96	126746	38.00	ug/L		98
38) propionitrile	9.319	54	111617	383.85	ug/L		93
39) methyl acrylate	9.282	55	75171	39.52	ug/L	#	99
40) bromochloromethane	9.539	128	59062	42.93	ug/L		95
41) tetrahydrofuran	9.571	42	24006	39.53	ug/L		99
42) chloroform	9.613	83	198154	40.72	ug/L		99
45) freon 113	6.409	151	50049	20.29	ug/L		98
46) methacrylonitrile	9.497	41	38092	40.37	ug/L		96
47) 1,1,1-trichloroethane	9.854	97	186015	41.07	ug/L		98
48) tert-amyl methyl ether	10.368	73	276105	39.44	ug/L		97
50) epichlorohydrin	12.067	57	26318	162.58	ug/L		98
51) n-butyl alcohol	10.934	56	130422	2000.26	ug/L		98
52) cyclohexane	9.906	84	106400	28.09	ug/L		93
53) carbon tetrachloride	10.064	117	161093	41.96	ug/L		98
54) 1,1-dichloropropene	10.043	75	132860	44.06	ug/L		98
55) hexane	8.024	57	40121	16.72	ug/L		96
56) ISOOCTANE	10.305	57	108335	12.67	ug/L		98
57) benzene	10.331	78	413363	45.67	ug/L		99
58) heptane	10.504	57	20400	13.94	ug/L		99
59) isopropyl acetate	10.294	43	130926	30.64	ug/L		90
60) 1,2-dichloroethane	10.373	62	111406	43.88	ug/L		97
61) trichloroethene	11.086	95	105853	44.79	ug/L		98
63) 2-nitropropane	11.935	43	133392	44.15	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	200451	241.52	ug/L		99
65) methyl methacrylate	11.285	41	31377	20.92	ug/L		96
66) 1,2-dichloropropane	11.374	63	102651	47.16	ug/L		95
67) methylcyclohexane	11.285	83	80907	20.76	ug/L		97
68) dibromomethane	11.542	93	59925	43.80	ug/L		99
69) bromodichloromethane	11.684	83	133224	46.03	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	140368	43.61	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	29249	43.75	ug/L		99
73) toluene	12.491	92	226390	42.85	ug/L		99
74) 3-methyl-1-butanol	12.297	70	43711	768.60	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	117228	42.82	ug/L		99
76) ethyl methacrylate	12.711	69	92294	45.25	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	65746	44.44	ug/L		98
78) 2-hexanone	13.115	58	25977	42.55	ug/L		98
80) tetrachloroethene	13.078	166	105178	43.93	ug/L		99
81) 1,3-dichloropropane	13.120	76	114955	47.45	ug/L		100
82) butyl acetate	13.189	56	39749	39.79	ug/L		97
83) dibromochloromethane	13.388	129	102907	46.40	ug/L		98
84) 1,2-dibromoethane	13.535	107	80734	46.62	ug/L		99
86) chlorobenzene	14.001	112	272990	46.94	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	113978	47.83	ug/L		99
88) ethylbenzene	14.054	91	460077	45.39	ug/L		99
89) m,p-xylene	14.164	106	353848	89.08	ug/L		99
90) o-xylene	14.599	106	185677	48.13	ug/L		98
91) styrene	14.615	104	293343	49.82	ug/L		100
92) bromoform	14.898	173	73673	45.49	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11451.D
Acq On : 5 Jun 2014 2:46 pm
Operator : thienn
Sample : jb68467-1msd
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 15:08:26 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

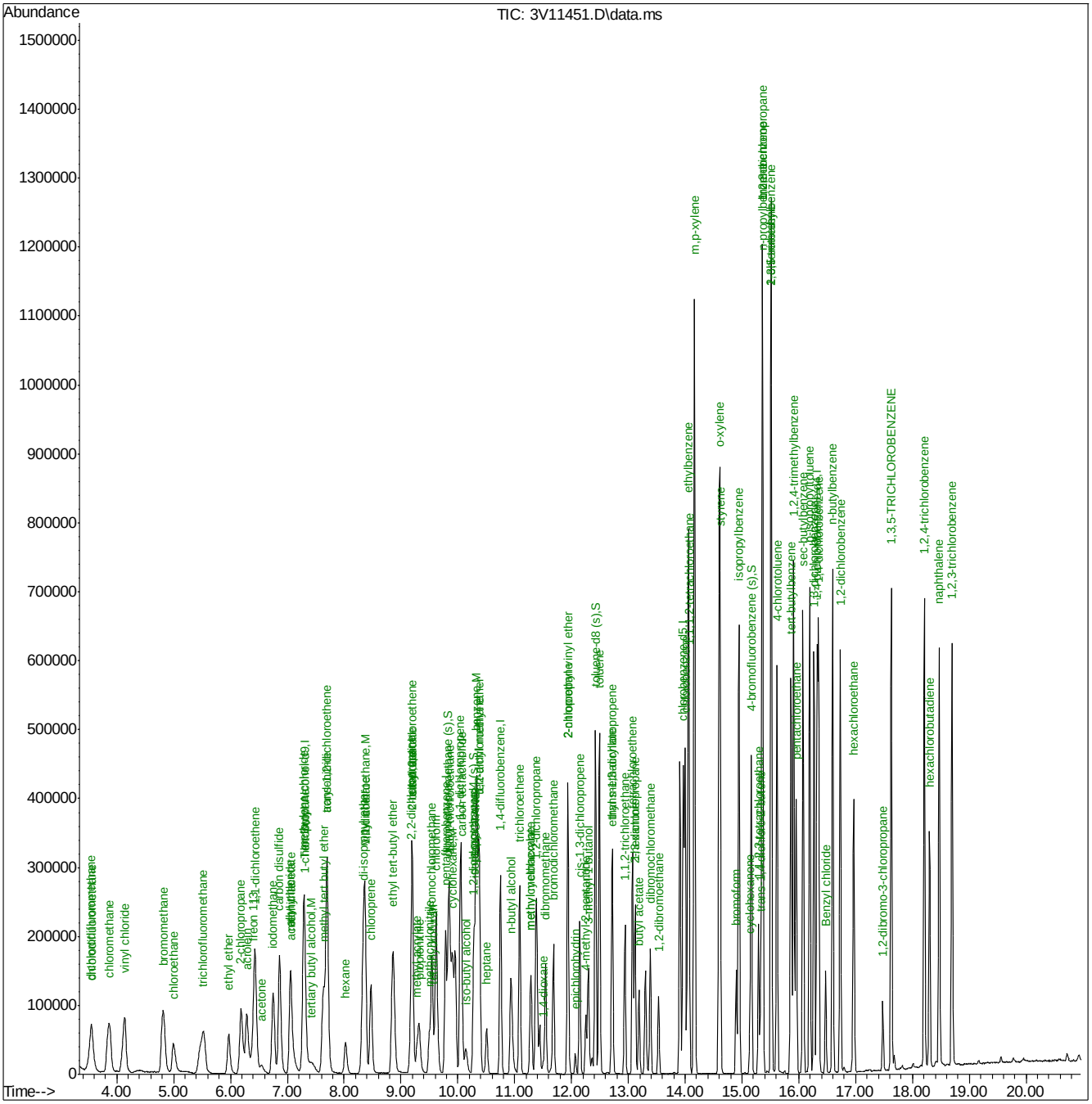
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	483781	48.46	ug/L	99
96) bromobenzene	15.359	156	130723	47.47	ug/L	96
97) cyclohexanone	15.144	55	35391	91.21	ug/L	96
98) 1,1,2,2-tetrachloroethane	15.291	83	120770	46.84	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	22745	39.49	ug/L	96
100) 1,2,3-trichloropropane	15.359	110	25364	45.68	ug/L	96
101) n-propylbenzene	15.364	91	555632	46.15	ug/L	99
102) 2-chlorotoluene	15.511	126	125399	48.44	ug/L	98
103) 4-chlorotoluene	15.616	91	347586	46.59	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	415064	47.95	ug/L	100
105) tert-butylbenzene	15.863	119	319870	44.92	ug/L	98
106) pentachloroethane	15.957	167	87200	47.00	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	422390	46.14	ug/L	99
108) sec-butylbenzene	16.072	105	515224	43.40	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	260224	44.63	ug/L	99
110) p-isopropyltoluene	16.193	119	439491	44.75	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	258267	43.88	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	258840	44.95	ug/L	99
113) n-butylbenzene	16.597	92	225209	40.14	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	23590	40.83	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.624	180	230306	39.96	ug/L	100
116) 1,2,4-trichlorobenzene	18.206	180	217622	40.32	ug/L	98
117) hexachlorobutadiene	18.301	225	79082	28.14	ug/L	98
118) naphthalene	18.468	128	467220	43.44	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	203452	40.33	ug/L	99
120) hexachloroethane	16.964	119	91783	43.26	ug/L	100
121) Benzyl chloride	16.471	91	105409	20.66	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11451.D
Acq On : 5 Jun 2014 2:46 pm
Operator : thienn
Sample : jb68467-1msd
Misc : MS68576,V3V487,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 15:08:26 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\v1c5750-5751\
Data File : 1C128956.D
Acq On : 5 Jun 2014 4:00 pm
Operator : mariceld
Sample : jb67820-3ms
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 06 08:50:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 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	131528	500.00	ug/L	0.00
4) pentafluorobenzene	9.626	168	168518	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.589	114	258577	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	246658	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	148666	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.653	113	97614	49.32	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.64%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	109939	47.93	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 95.86%			
80) toluene-d8 (s)	12.320	98	363641	50.20	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 100.40%			
105) 4-bromofluorobenzene (s)	15.186	95	142256	48.61	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 97.22%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.257	59	81932	254.19	ug/L	100
3) 1,4-dioxane	11.352	88	26629	1056.15	ug/L	95
9) chlorodifluoromethane	3.512	51	97067	54.42	ug/L	97
10) dichlorodifluoromethane	3.486	85	136619	48.37	ug/L	98
12) chloromethane	3.805	50	154156	41.34	ug/L	98
13) vinyl chloride	4.061	62	160462	48.93	ug/L	97
14) bromomethane	4.720	94	93458	46.69	ug/L	98
15) chloroethane	4.904	64	63196	45.23	ug/L	97
19) trichlorofluoromethane	5.427	101	158251	49.48	ug/L	99
20) ethyl ether	5.861	74	55097	49.99	ug/L	97
22) acrolein	6.138	56	250668	446.67	ug/L	99
23) 1,1-dichloroethene	6.310	96	99327	53.44	ug/L	97
24) acetone	6.399	43	38578	43.06	ug/L	97
25) acetonitrile	6.891	40	108644	405.33	ug/L	98
26) allyl chloride	6.907	76	47324	48.23	ug/L	99
27) iodomethane	6.603	142	178220	48.16	ug/L	98
28) carbon disulfide	6.729	76	305351	43.23	ug/L	99
29) 2-CHLOROPROPANE	6.065	43	176332	45.15	ug/L	98
30) methylene chloride	7.126	84	103074	47.41	ug/L	94
31) methyl acetate	6.912	43	103585	50.48	ug/L	100
32) methyl tert butyl ether	7.498	73	326426	50.39	ug/L	98
33) trans-1,2-dichloroethene	7.545	96	92331	48.73	ug/L	97
34) 1-CHLOROPROPANE	7.158	42	188499	46.90	ug/L	94
35) di-isopropyl ether	8.193	45	355061	48.53	ug/L	95
36) 2-butanone	9.009	72	16250	56.48	ug/L	95
37) 1,1-dichloroethane	8.193	63	209672	54.18	ug/L	99
38) chloroprene	8.314	53	138173	48.48	ug/L	98
39) acrylonitrile	7.508	53	242912	247.01	ug/L	99
40) vinyl acetate	8.209	86	17357	50.53	ug/L	100
41) ethyl tert-butyl ether	8.716	59	334486	49.55	ug/L	99
42) ethyl acetate	9.035	45	19617	48.71	ug/L #	1
43) 2,2-dichloropropane	9.014	77	145423	48.03	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128956.D
Acq On : 5 Jun 2014 4:00 pm
Operator : mariceld
Sample : jb67820-3ms
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 06 08:50:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 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	350876	167.04	ug/L	89
45)	propionitrile	9.114	54	202211	499.28	ug/L	98
46)	methylacrylate	9.114	55	141665	50.06	ug/L	98
47)	bromochloromethane	9.365	128	54161	50.51	ug/L	95
48)	tetrahydrofuran	9.412	72	16974	48.30	ug/L	98
49)	chloroform	9.438	85	110675	49.46	ug/L	99
50)	T-BUTYL FORMATE	9.470	59	65524	31.83	ug/L	97
51)	isobutyl alcohol	9.961	43	74143	453.31	ug/L	99
54)	freon 113	6.290	151	76783	54.95	ug/L	97
55)	methacrylonitrile	9.313	67	49146	50.23	ug/L	98
56)	1,1,1-trichloroethane	9.689	97	144268	48.35	ug/L	97
57)	Cyclohexane	9.757	84	140392	45.15	ug/L	98
59)	ISO-OCTANE	10.176	57	359882	42.94	ug/L	97
60)	epichlorohydrin	11.928	57	67296	219.40	ug/L	99
61)	n-butyl alcohol	10.767	56	224973	2160.12	ug/L	98
62)	carbon tetrachloride	9.904	117	132205	48.20	ug/L	98
63)	1,1-dichloropropene	9.888	75	128732	47.95	ug/L	99
64)	hexane	7.895	57	118738	50.52	ug/L	99
65)	benzene	10.165	78	385224	47.17	ug/L	99
66)	tert-amyl methyl ether	10.223	73	322437	47.93	ug/L	99
67)	heptane	10.374	57	69625	46.95	ug/L	98
68)	isopropyl acetate	10.134	43	277472	45.01	ug/L	99
69)	1,2-dichloroethane	10.191	62	135469	50.54	ug/L	99
70)	trichloroethene	10.934	95	688474	351.96	ug/L	99
71)	2-nitropropane	11.771	41	32779	33.68	ug/L	98
73)	methyl methacrylate	11.248	100	28900	50.85	ug/L	93
74)	1,2-dichloropropane	11.211	63	107303	48.55	ug/L	98
75)	dibromomethane	11.384	93	66698	50.21	ug/L	97
76)	methylcyclohexane	11.154	83	155106	46.91	ug/L	97
77)	bromodichloromethane	11.530	83	136393	49.47	ug/L	99
79)	cis-1,3-dichloropropene	12.022	75	170219	49.42	ug/L	100
81)	4-methyl-2-pentanone	12.132	58	54040	47.32	ug/L	98
82)	toluene	12.398	92	231548	47.60	ug/L	100
83)	3-methyl-1-butanol	12.184	55	148451	870.17	ug/L	98
84)	trans-1,3-dichloropropene	12.629	75	158400	48.06	ug/L	99
85)	ethyl methacrylate	12.634	69	147460	48.32	ug/L	97
86)	1,1,2-trichloroethane	12.853	83	81592	48.26	ug/L	98
87)	2-hexanone	13.052	58	51565	48.51	ug/L	99
89)	tetrachloroethene	13.021	164	99136	55.74	ug/L	98
90)	1,3-dichloropropane	13.047	76	156094	47.45	ug/L	98
91)	butyl acetate	13.136	56	82627	44.95	ug/L	93
92)	3,3-DIMETHYL-1-BUTANOL	13.251	57	171250	429.20	ug/L	99
93)	dibromochloromethane	13.324	129	115409	47.24	ug/L	97
94)	1,2-dibromoethane	13.476	107	101550	48.21	ug/L	97
95)	chlorobenzene	13.978	112	266695	46.58	ug/L	100
96)	1,1,1,2-tetrachloroethane	14.046	131	109127	46.67	ug/L	98
97)	ethylbenzene	14.041	91	456680	45.68	ug/L	99
98)	m,p-xylene	14.156	106	345743	92.30	ug/L	99
99)	o-xylene	14.600	106	177929	45.94	ug/L	97
100)	styrene	14.616	104	303617	47.94	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128956.D
Acq On : 5 Jun 2014 4:00 pm
Operator : mariceld
Sample : jb67820-3ms
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 06 08:50:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

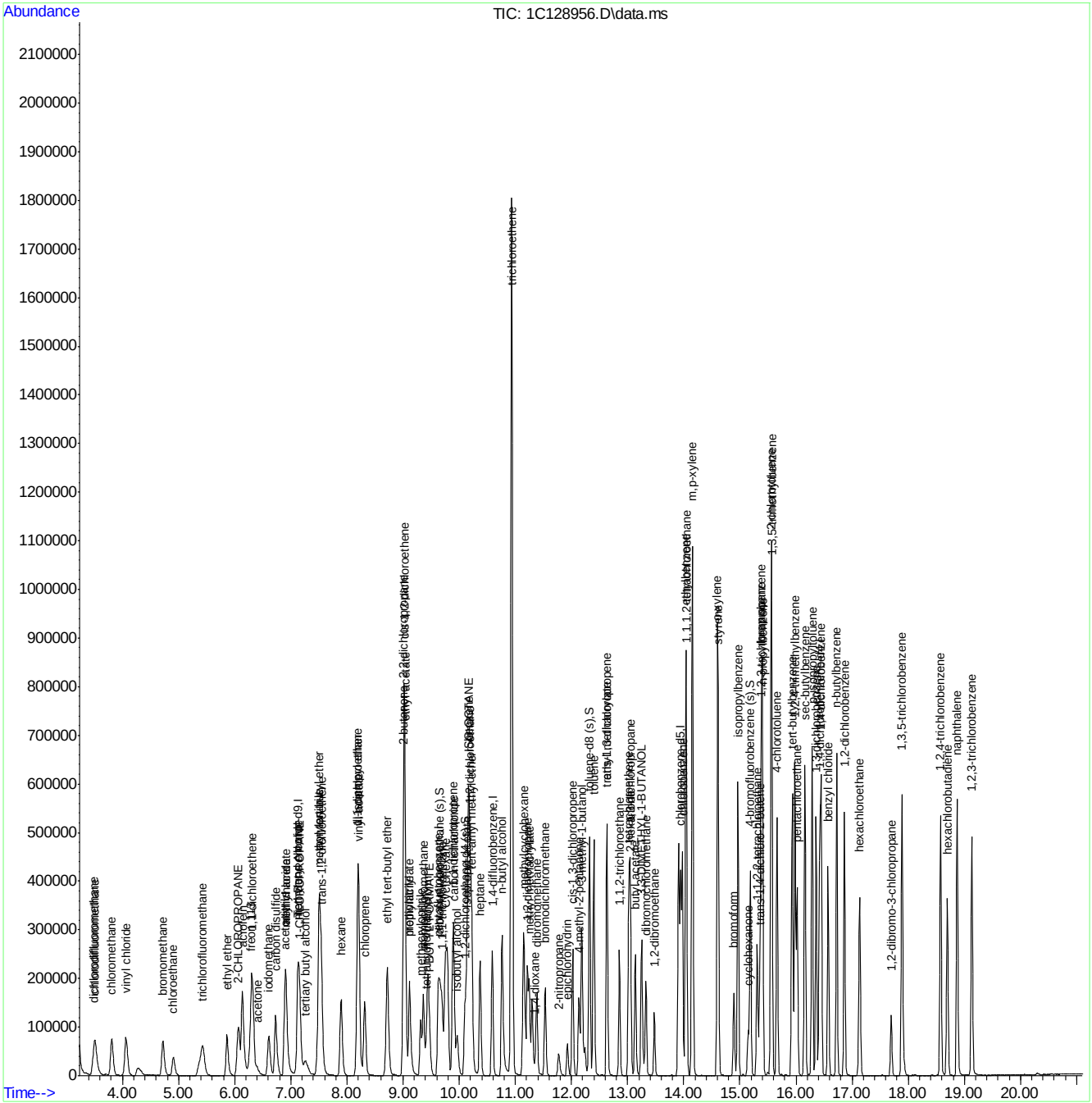
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.893	173	95575	47.53	ug/L	96
104) isopropylbenzene	14.966	105	461832	45.53	ug/L	99
106) cyclohexanone	15.150	55	48783	239.17	ug/L	98
107) bromobenzene	15.385	156	133960	48.95	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.306	83	161259	44.50	ug/L	99
109) trans-1,4-dichloro-2-b...	15.354	53	43504	43.76	ug/L	98
110) 1,2,3-trichloropropane	15.380	110	38668	45.62	ug/L	99
111) n-propylbenzene	15.406	91	531458	44.92	ug/L	100
112) 2-chlorotoluene	15.557	126	118113	46.72	ug/L	96
113) 4-chlorotoluene	15.662	91	339701	45.80	ug/L	100
114) 1,3,5-trimethylbenzene	15.568	105	405995	46.07	ug/L	99
115) tert-butylbenzene	15.934	119	339680	45.25	ug/L	98
116) pentachloroethane	16.023	167	95057	50.69	ug/L	99
117) 1,2,4-trimethylbenzene	15.981	105	400733	45.71	ug/L	98
118) sec-butylbenzene	16.159	105	529596	45.13	ug/L	100
119) 1,3-dichlorobenzene	16.358	146	255761	46.29	ug/L	99
120) p-isopropyltoluene	16.290	119	449357	45.75	ug/L	99
122) 1,4-dichlorobenzene	16.447	146	261594	45.77	ug/L	99
123) benzyl chloride	16.572	91	343700	48.30	ug/L	100
124) 1,2-dichlorobenzene	16.865	146	259981	46.67	ug/L	98
125) n-butylbenzene	16.729	92	229544	44.76	ug/L	98
126) 1,2-dibromo-3-chloropr...	17.697	75	35070	47.81	ug/L	92
127) 1,3,5-trichlorobenzene	17.890	180	229386	48.36	ug/L	99
128) 1,2,4-trichlorobenzene	18.575	180	209711	48.34	ug/L	99
129) hexachlorobutadiene	18.696	225	102237	44.73	ug/L	97
130) naphthalene	18.873	128	526789	46.25	ug/L	99
131) 1,2,3-trichlorobenzene	19.135	180	194049	46.73	ug/L	99
132) hexachloroethane	17.137	201	90119	48.86	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128956.D
Acq On : 5 Jun 2014 4:00 pm
Operator : mariceld
Sample : jb67820-3ms
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 06 08:50:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128957.D
Acq On : 5 Jun 2014 4:27 pm
Operator : mariceld
Sample : jb67820-3msd
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 08:51:07 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	129845	500.00	ug/L		0.00
4) pentafluorobenzene	9.626	168	162956	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.589	114	250215	50.00	ug/L		0.00
88) chlorobenzene-d5	13.941	117	237852	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.421	152	143475	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.653	113	94680	49.47	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.94%				
53) 1,2-dichloroethane-d4 (s)	10.097	65	105799	47.70	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 95.40%				
80) toluene-d8 (s)	12.320	98	352248	50.25	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 100.50%				
105) 4-bromofluorobenzene (s)	15.186	95	137775	48.78	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 97.56%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.252	59	82840	260.34	ug/L		100
3) 1,4-dioxane	11.352	88	26005	1044.77	ug/L		94
9) chlorodifluoromethane	3.507	51	95027	55.09	ug/L		98
10) dichlorodifluoromethane	3.486	85	137233	50.25	ug/L		96
12) chloromethane	3.805	50	156205	43.32	ug/L		98
13) vinyl chloride	4.056	62	162107	51.11	ug/L		99
14) bromomethane	4.715	94	95828	49.51	ug/L		98
15) chloroethane	4.904	64	63251	46.81	ug/L		99
19) trichlorofluoromethane	5.421	101	159934	51.72	ug/L		99
20) ethyl ether	5.861	74	54446	51.09	ug/L		94
22) acrolein	6.138	56	244910	451.31	ug/L		99
23) 1,1-dichloroethene	6.310	96	100561	55.95	ug/L		97
24) acetone	6.394	43	38826	44.82	ug/L		96
25) acetonitrile	6.891	40	106148	409.53	ug/L		98
26) allyl chloride	6.907	76	46960	49.49	ug/L		98
27) iodomethane	6.603	142	179515	50.16	ug/L		99
28) carbon disulfide	6.724	76	313534	45.91	ug/L		100
29) 2-CHLOROPROPANE	6.065	43	177045	46.88	ug/L		98
30) methylene chloride	7.121	84	102559	48.78	ug/L		95
31) methyl acetate	6.912	43	100740	50.77	ug/L		98
32) methyl tert butyl ether	7.498	73	328822	52.50	ug/L		96
33) trans-1,2-dichloroethene	7.540	96	92955	50.74	ug/L		98
34) 1-CHLOROPROPANE	7.153	42	186405	48.08	ug/L		93
35) di-isopropyl ether	8.193	45	354498	50.11	ug/L		99
36) 2-butanone	9.004	72	16264	58.46	ug/L	#	76
37) 1,1-dichloroethane	8.193	63	208082	55.61	ug/L		100
38) chloroprene	8.314	53	138950	50.41	ug/L		98
39) acrylonitrile	7.503	53	238760	251.08	ug/L		99
40) vinyl acetate	8.209	86	16955	51.04	ug/L		95
41) ethyl tert-butyl ether	8.716	59	334497	51.24	ug/L		98
42) ethyl acetate	9.041	45	19571	50.25	ug/L	#	1
43) 2,2-dichloropropane	9.015	77	145370	49.65	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128957.D
Acq On : 5 Jun 2014 4:27 pm
Operator : mariceld
Sample : jb67820-3msd
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 08:51:07 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	350027	172.32	ug/L		88
45)	propionitrile	9.109	54	198943	507.97	ug/L		95
46)	methylacrylate	9.114	55	139687	51.05	ug/L		98
47)	bromochloromethane	9.365	128	53415	51.51	ug/L		94
48)	tetrahydrofuran	9.412	72	17117	50.37	ug/L		93
49)	chloroform	9.438	85	110025	50.84	ug/L		99
50)	T-BUTYL FORMATE	9.470	59	54384	27.32	ug/L		97
51)	isobutyl alcohol	9.961	43	72786	460.20	ug/L		99
54)	freon 113	6.290	151	78570	58.15	ug/L		95
55)	methacrylonitrile	9.307	67	48982	51.77	ug/L		96
56)	1,1,1-trichloroethane	9.689	97	145981	50.59	ug/L		99
57)	Cyclohexane	9.752	84	142461	47.37	ug/L		92
59)	ISO-OCTANE	10.176	57	365430	45.06	ug/L		98
60)	epichlorohydrin	11.928	57	64699	217.98	ug/L		99
61)	n-butyl alcohol	10.761	56	219300	2176.02	ug/L		99
62)	carbon tetrachloride	9.904	117	134624	50.72	ug/L		99
63)	1,1-dichloropropene	9.888	75	129002	49.66	ug/L		98
64)	hexane	7.895	57	117720	51.76	ug/L		97
65)	benzene	10.160	78	383137	48.49	ug/L		100
66)	tert-amyl methyl ether	10.217	73	323049	49.63	ug/L		99
67)	heptane	10.374	57	69377	48.34	ug/L		98
68)	isopropyl acetate	10.129	43	276350	46.33	ug/L		99
69)	1,2-dichloroethane	10.191	62	133084	51.31	ug/L		99
70)	trichloroethene	10.934	95	690623	364.86	ug/L		99
71)	2-nitropropane	11.771	41	32430	34.43	ug/L		99
73)	methyl methacrylate	11.248	100	28572	51.95	ug/L	#	89
74)	1,2-dichloropropane	11.211	63	106656	49.87	ug/L		97
75)	dibromomethane	11.379	93	66169	51.48	ug/L		98
76)	methylcyclohexane	11.148	83	158351	49.49	ug/L		99
77)	bromodichloromethane	11.530	83	136893	51.31	ug/L		99
79)	cis-1,3-dichloropropene	12.022	75	169292	50.80	ug/L		100
81)	4-methyl-2-pentanone	12.132	58	53343	48.27	ug/L		99
82)	toluene	12.398	92	229937	48.84	ug/L		99
83)	3-methyl-1-butanol	12.184	55	146198	885.60	ug/L		99
84)	trans-1,3-dichloropropene	12.629	75	158698	49.76	ug/L		99
85)	ethyl methacrylate	12.634	69	148495	50.29	ug/L		97
86)	1,1,2-trichloroethane	12.853	83	81656	49.91	ug/L		98
87)	2-hexanone	13.047	58	51365	49.94	ug/L		98
89)	tetrachloroethene	13.021	164	100287	58.47	ug/L		97
90)	1,3-dichloropropane	13.047	76	156125	49.22	ug/L		98
91)	butyl acetate	13.141	56	81387	45.91	ug/L		94
92)	3,3-DIMETHYL-1-BUTANOL	13.246	57	170355	442.77	ug/L		99
93)	dibromochloromethane	13.324	129	114574	48.63	ug/L		99
94)	1,2-dibromoethane	13.476	107	101775	50.10	ug/L		100
95)	chlorobenzene	13.978	112	269106	48.74	ug/L		98
96)	1,1,1,2-tetrachloroethane	14.046	131	110379	48.96	ug/L		99
97)	ethylbenzene	14.041	91	456646	47.37	ug/L		99
98)	m,p-xylene	14.156	106	347002	96.06	ug/L		99
99)	o-xylene	14.600	106	178453	47.79	ug/L		99
100)	styrene	14.616	104	305775	50.07	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128957.D
Acq On : 5 Jun 2014 4:27 pm
Operator : mariceld
Sample : jb67820-3msd
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 08:51:07 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

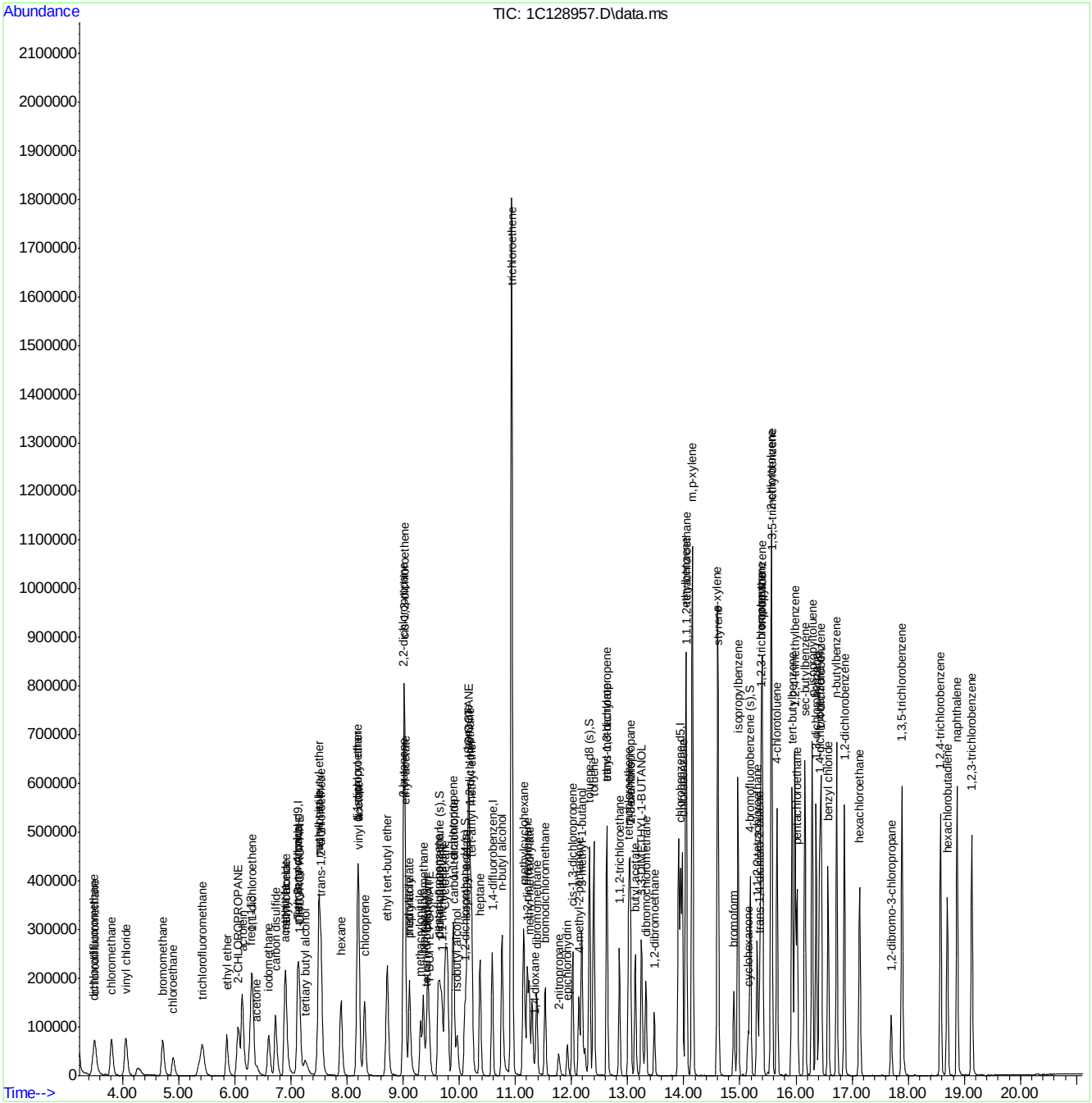
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.893	173	96228	49.62	ug/L	100
104) isopropylbenzene	14.967	105	467655	47.78	ug/L	99
106) cyclohexanone	15.150	55	48053	244.11	ug/L	95
107) bromobenzene	15.385	156	135467	51.30	ug/L	96
108) 1,1,2,2-tetrachloroethane	15.306	83	163046	46.62	ug/L	100
109) trans-1,4-dichloro-2-b...	15.348	53	44227	46.10	ug/L	89
110) 1,2,3-trichloropropane	15.380	110	38893	47.54	ug/L	98
111) n-propylbenzene	15.401	91	543846	47.63	ug/L	99
112) 2-chlorotoluene	15.558	126	120220	49.27	ug/L	98
113) 4-chlorotoluene	15.662	91	342852	47.90	ug/L	99
114) 1,3,5-trimethylbenzene	15.568	105	410319	48.25	ug/L	99
115) tert-butylbenzene	15.934	119	346743	47.86	ug/L	99
116) pentachloroethane	16.023	167	95208	52.60	ug/L	99
117) 1,2,4-trimethylbenzene	15.981	105	411090	48.58	ug/L	100
118) sec-butylbenzene	16.159	105	542371	47.89	ug/L	100
119) 1,3-dichlorobenzene	16.358	146	260989	48.95	ug/L	98
120) p-isopropyltoluene	16.290	119	462460	48.78	ug/L	100
122) 1,4-dichlorobenzene	16.447	146	267697	48.54	ug/L	99
123) benzyl chloride	16.572	91	345392	50.30	ug/L	99
124) 1,2-dichlorobenzene	16.865	146	267584	49.77	ug/L	98
125) n-butylbenzene	16.724	92	237623	48.02	ug/L	98
126) 1,2-dibromo-3-chloropr...	17.697	75	34722	49.05	ug/L	94
127) 1,3,5-trichlorobenzene	17.890	180	232928	50.89	ug/L	99
128) 1,2,4-trichlorobenzene	18.575	180	212866	50.84	ug/L	100
129) hexachlorobutadiene	18.696	225	104697	47.46	ug/L	99
130) naphthalene	18.873	128	538602	49.00	ug/L	100
131) 1,2,3-trichlorobenzene	19.135	180	199284	49.73	ug/L	98
132) hexachloroethane	17.137	201	93380	52.46	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128957.D
Acq On : 5 Jun 2014 4:27 pm
Operator : mariceld
Sample : jb67820-3msd
Misc : MS68173,V1C5750,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 08:51:07 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 : 3V11423.D
Acq On : 4 Jun 2014 1:49 pm
Operator : thienn
Sample : jb68173-14dup
Misc : MS68397,V3V486,3.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 15:49:45 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

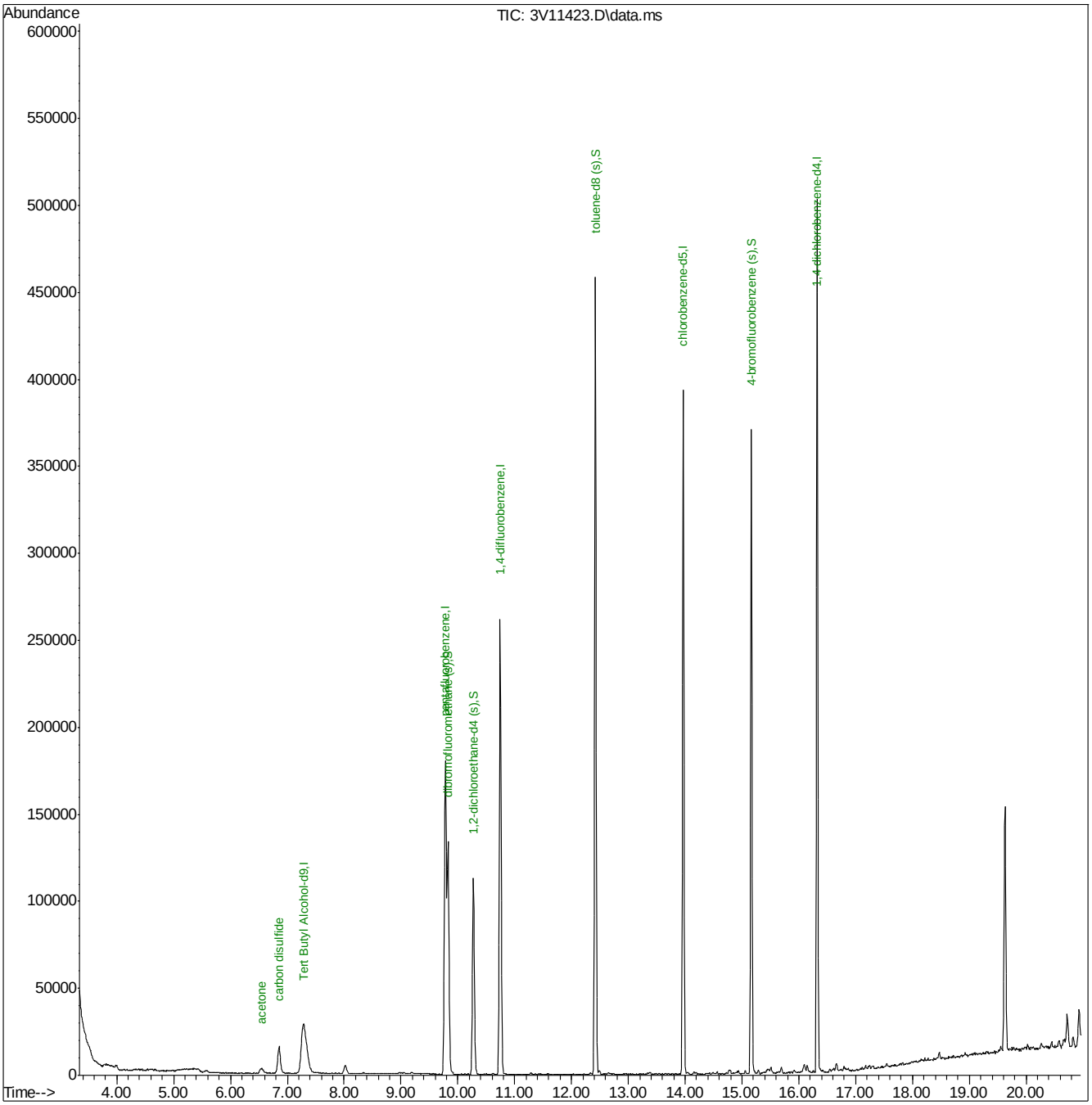
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	100722	500.00	ug/L	-0.01
5) pentafluorobenzene	9.781	168	166010	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	245874	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	221249	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	123616	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	100354	47.77	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.54%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	94247	51.25	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.50%			
71) toluene-d8 (s)	12.418	98	318081	52.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 104.48%			
95) 4-bromofluorobenzene (s)	15.165	95	125908	58.09	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 116.18%			
Target Compounds						Qvalue
17) acetone	6.551	43	8662	14.74	ug/L	94
22) carbon disulfide	6.855	76	37947	4.58	ug/L	99

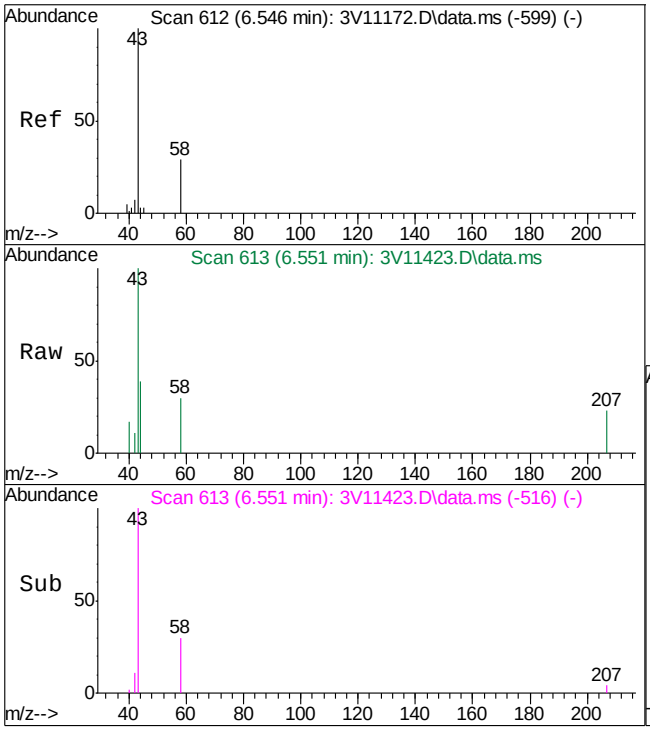
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11423.D
Acq On : 4 Jun 2014 1:49 pm
Operator : thienn
Sample : jb68173-14dup
Misc : MS68397,V3V486,3.7,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 15:49:45 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

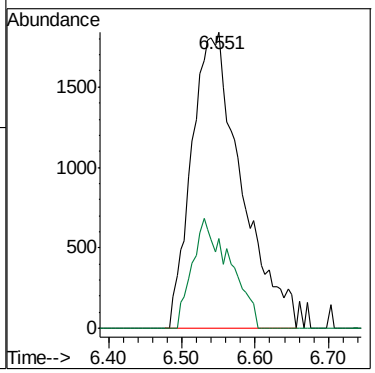


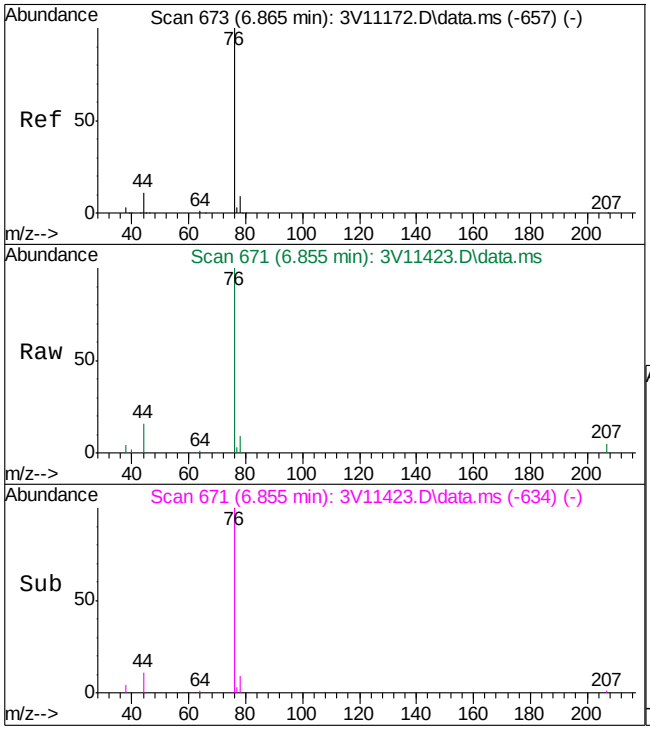


#17
acetone
Concen: 14.74 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11423.D
Acq: 4 Jun 2014 1:49 pm

Tgt Ion: 43 Resp: 8662

Ion	Ratio	Lower	Upper
43	100		
58	30.5	3.8	63.8

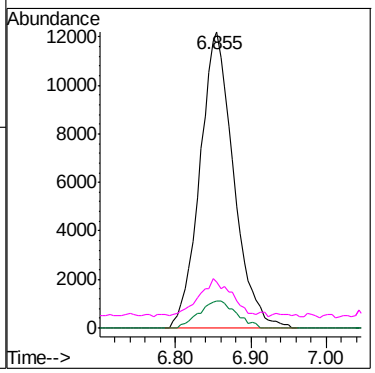




#22
carbon disulfide
Concen: 4.58 ug/L
RT: 6.855 min Scan# 671
Delta R.T. -0.005 min
Lab File: 3V11423.D
Acq: 4 Jun 2014 1:49 pm

Tgt Ion: 76 Resp: 37947

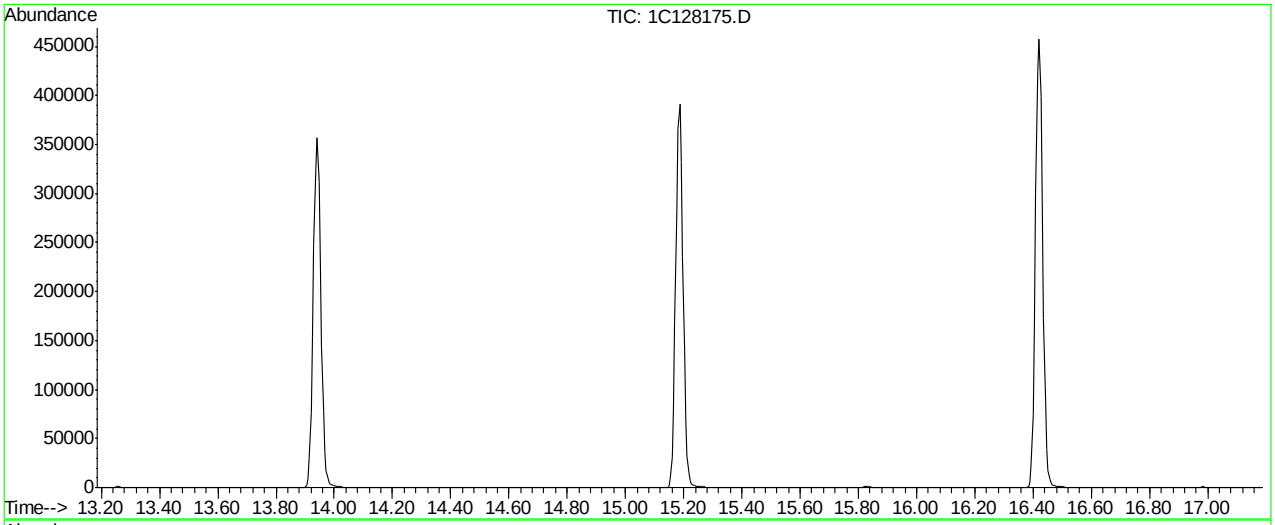
Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	39.0
44	10.9	0.0	40.7

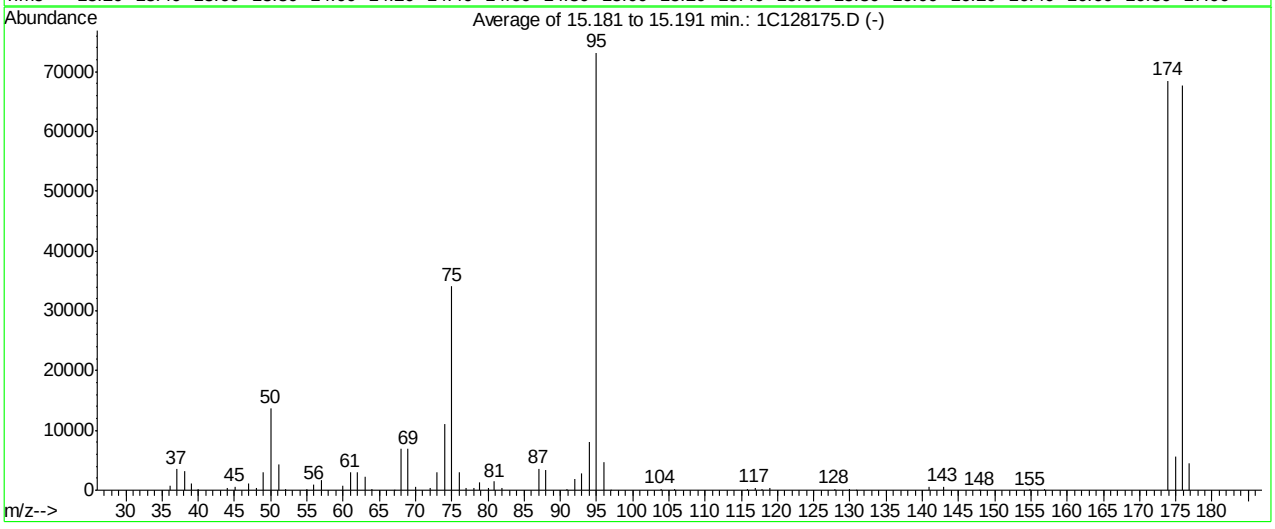


SW-846 Method 8260

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

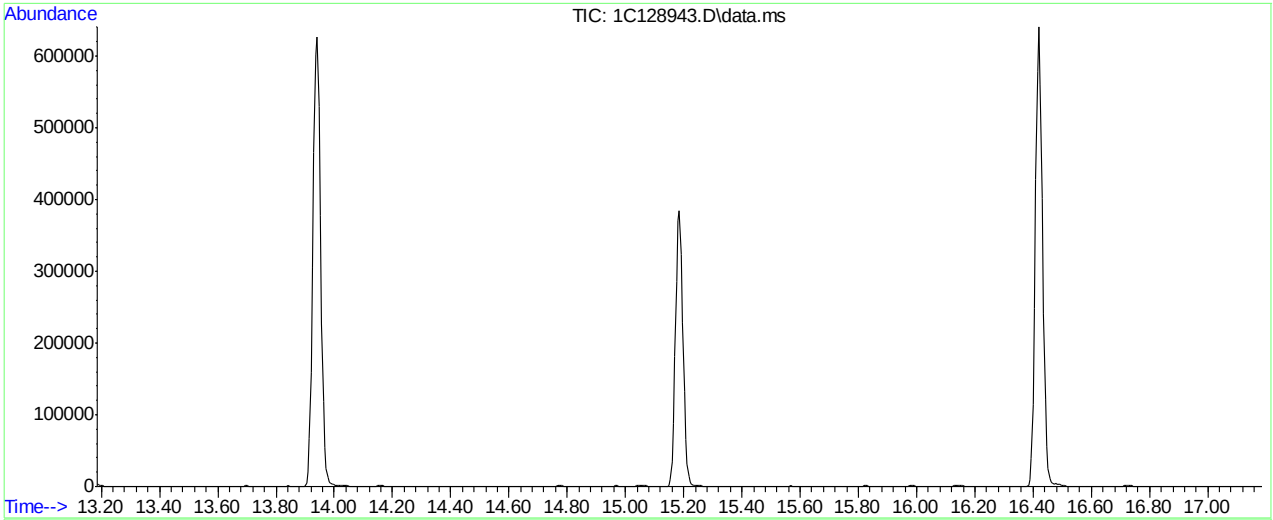
Average of 15.181 to 15.191 min.: 1C128175.D
bfb
Modified:subtracted

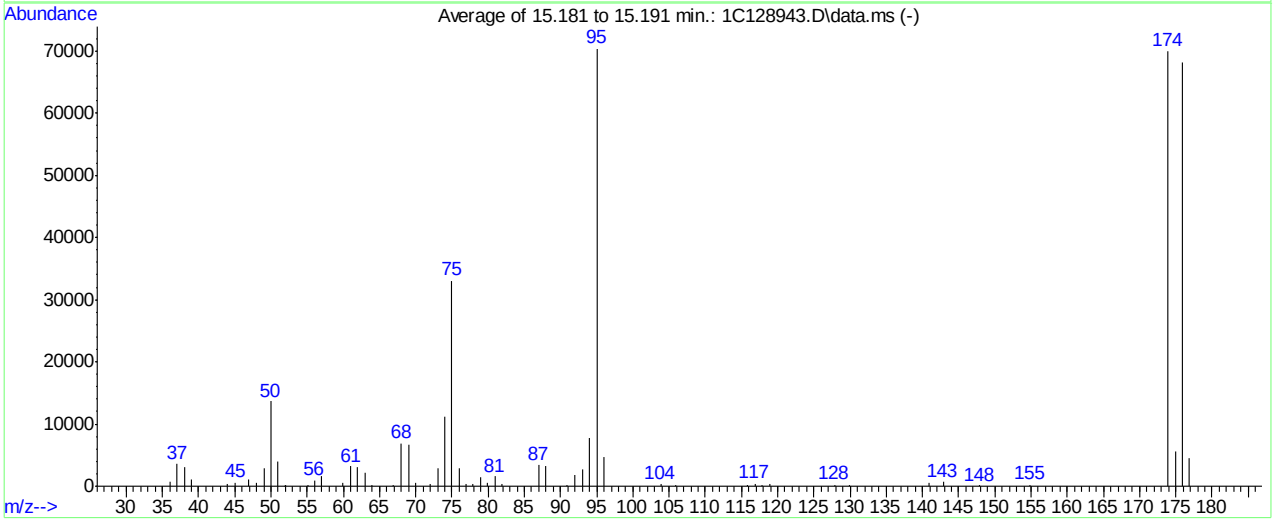
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	56	142.90	643				
103.90	262	147.90	60				
105.85	244	154.90	181				
115.90	247	156.90	105				
116.90	411	173.90	68458				
117.90	212	175.00	5576				
118.90	306	175.90	67693				
127.85	228	176.90	4516				
129.90	227						
130.90	52						
140.90	625						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\1C...c5750-5751\1C128943.D Vial: 1
Acq On : 5 Jun 2014 9:34 am Operator: mariceld
Sample : bfb Inst : MS1C
Misc : MS68046,V1C5750,5,,,,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	19.4	13643	PASS
75	95	30	60	47.0	33072	PASS
95	95	100	100	100.0	70397	PASS
96	95	5	9	6.7	4750	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	99.5	70037	PASS
175	174	5	9	8.0	5584	PASS
176	174	95	101	97.3	68130	PASS
177	176	5	9	6.6	4488	PASS

1C128943.D M1C5716.M Fri Jun 06 08:37:21 2014 RPT1

Average of 15.181 to 15.191 min.: 1C128943.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	714	51.90	56	68.00	6944	79.95	495
37.00	3592	52.05	125	69.00	6742	80.90	1542
38.00	3109	55.05	138	70.00	566	81.90	346
39.05	1165	56.00	905	72.00	370	87.00	3417
43.90	307	57.00	1677	73.00	2916	87.95	3284
45.05	627	59.95	635	74.00	11160	90.90	158
46.95	1035	61.00	3212	75.00	33072	92.00	1803
48.00	469	62.00	3098	76.00	2812	93.00	2760
49.00	2903	63.00	2151	77.00	403	94.00	7710
50.00	13643	63.95	141	77.95	315	95.00	70397
51.00	4020	66.95	250	78.90	1494	96.00	4750

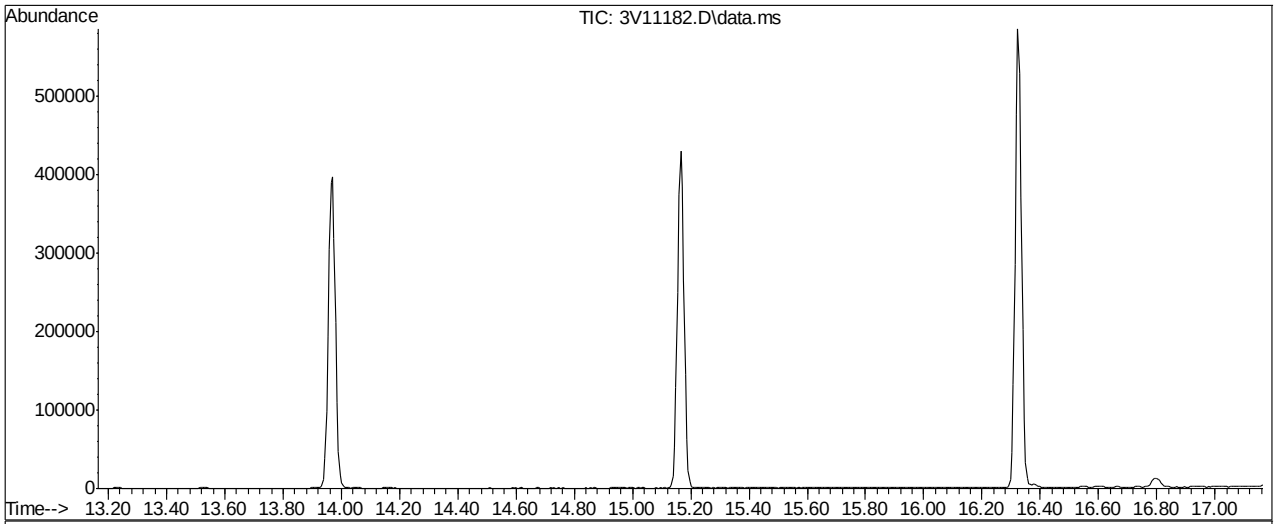
Average of 15.181 to 15.191 min.: 1C128943.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.85	320	154.85	214				
105.90	263	173.90	70037				
115.85	229	174.95	5584				
116.90	383	175.90	68130				
117.90	254	176.90	4488				
118.90	295						
127.85	255						
129.90	254						
140.90	573						
142.90	653						
147.90	182						

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

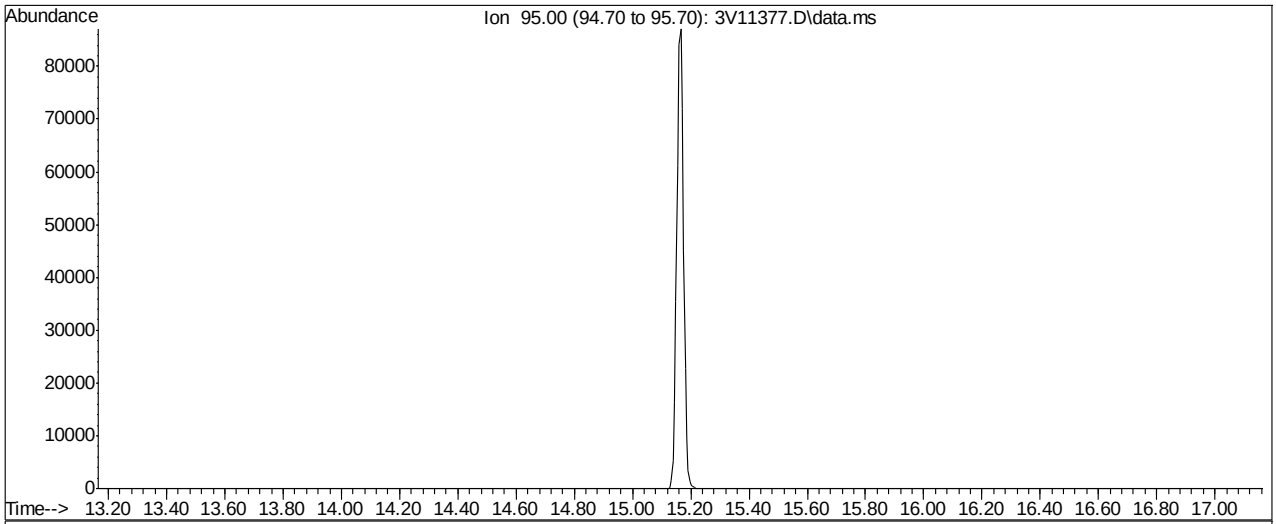
Average of 15.160 to 15.170 min.: 3V11182.D\data.ms
bfb
Modified:subtracted

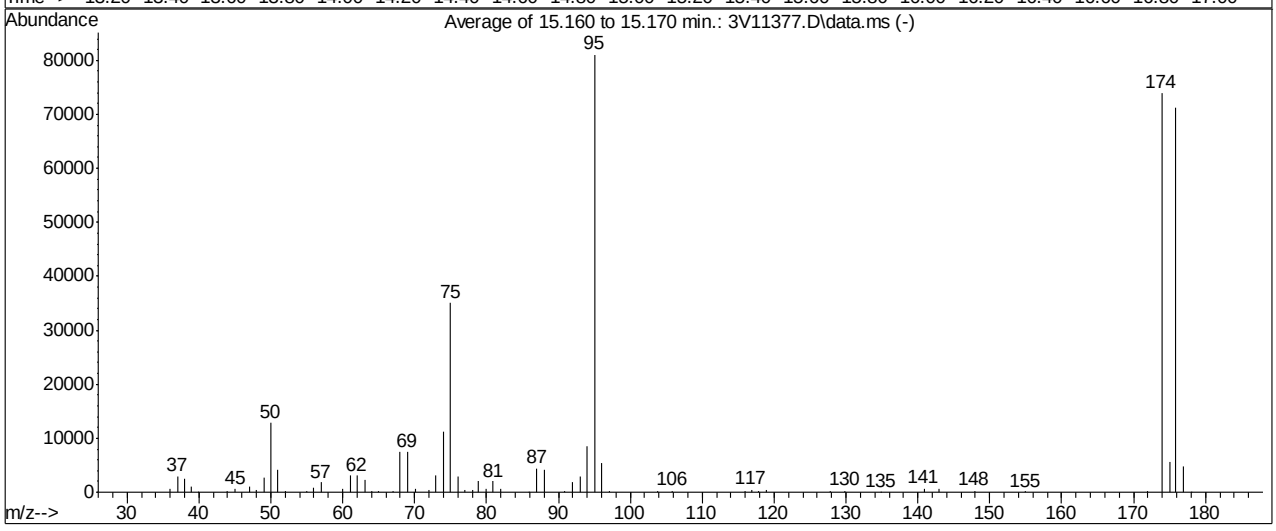
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	57	136.90	69	176.90	4785		
103.90	387	140.90	703	207.05	168		
104.90	53	142.90	731				
105.90	324	145.90	106				
115.90	264	147.90	141				
116.90	503	154.80	54				
117.85	251	154.95	128				
118.90	408	171.95	246				
127.90	255	173.90	76061				
129.90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

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11377.D Vial: 1
Acq On : 2 Jun 2014 8:32 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68345,V3V484,5,,,,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	15.8	12797	PASS
75	95	30	60	43.2	35000	PASS
95	95	100	100	100.0	81088	PASS
96	95	5	9	6.6	5332	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.2	73947	PASS
175	174	5	9	7.5	5582	PASS
176	174	95	101	96.3	71245	PASS
177	176	5	9	6.6	4712	PASS

3V11377.D M3V474.M Tue Jun 03 16:22:37 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11377.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	568	51.00	4109	66.95	221	78.90	2050
37.00	2954	52.00	124	68.00	7406	79.90	687
38.05	2580	55.00	206	69.00	7441	80.90	2064
39.00	1029	56.00	931	70.05	565	81.90	557
39.90	51	57.00	1836	71.95	398	85.90	56
44.00	216	60.00	668	73.00	3097	87.00	4471
45.05	577	61.00	3030	74.00	11194	88.00	4123
47.05	1055	62.00	3080	75.00	35000	90.90	262
47.95	403	63.05	2234	76.00	2905	92.00	1973
49.00	2797	64.00	208	77.00	500	93.00	2936
50.00	12797	65.00	125	78.00	474	94.00	8457

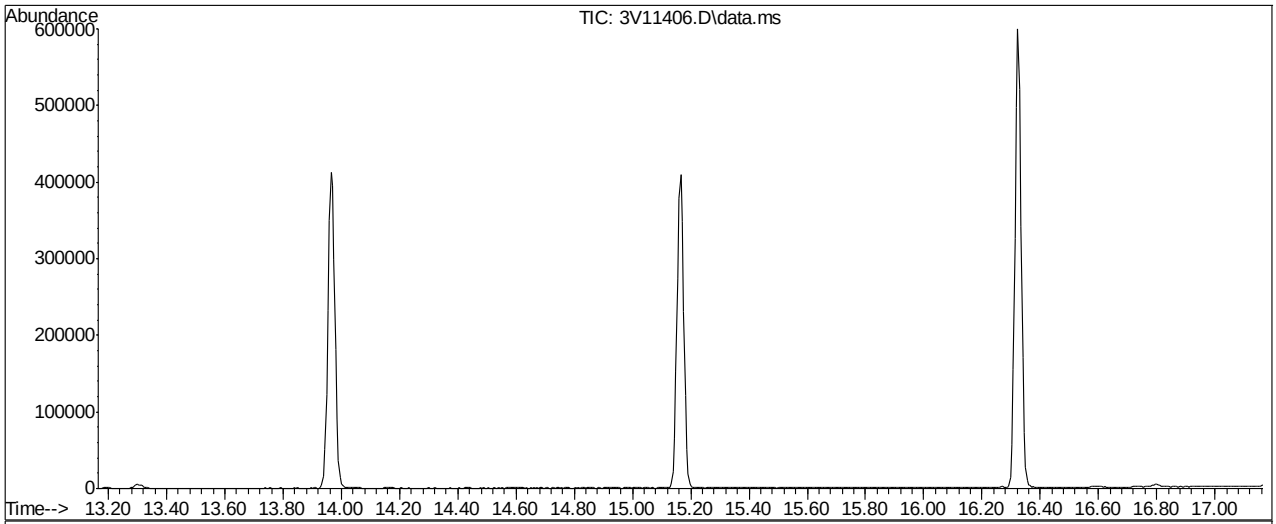
Average of 15.160 to 15.170 min.: 3V11377.D\data.ms
bfb
Modified:subtracted

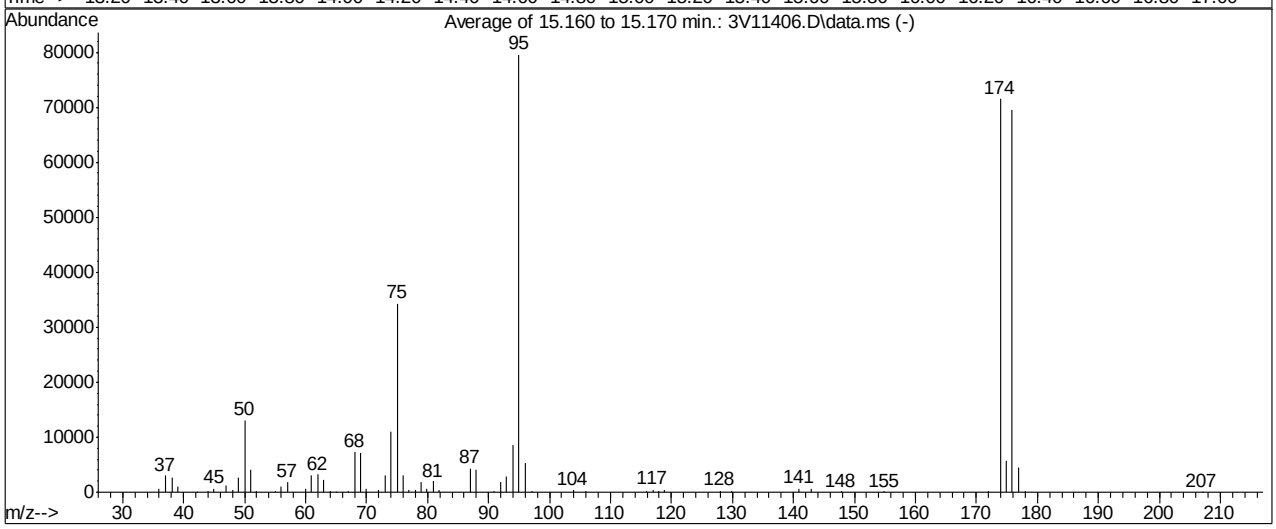
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	81088	134.90	73				
96.00	5332	140.90	707				
97.05	123	142.90	675				
103.85	305	147.85	216				
105.90	314	154.95	122				
115.90	288	172.00	284				
116.90	466	173.90	73947				
117.85	295	175.00	5582				
118.90	378	175.90	71245				
127.85	268	176.90	4712				
129.90	287	178.00	55				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11406.D Vial: 1
Acq On : 3 Jun 2014 2:14 pm Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68397,V3V485,5,,,,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	16.4	13071	PASS
75	95	30	60	43.1	34320	PASS
95	95	100	100	100.0	79592	PASS
96	95	5	9	6.7	5367	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.9	71531	PASS
175	174	5	9	7.9	5680	PASS
176	174	95	101	97.2	69547	PASS
177	176	5	9	6.5	4544	PASS

3V11406.D M3V474.M Mon Jun 09 10:15:18 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11406.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	574	51.00	3990	67.00	218	78.90	1911
37.00	2969	52.00	147	68.00	7282	79.90	610
38.05	2630	55.00	250	69.00	7162	80.90	2001
39.00	1056	56.00	959	70.00	557	81.90	472
42.10	51	57.00	1847	72.00	385	87.00	4291
44.00	270	60.00	640	73.00	3108	88.00	4186
45.00	614	61.00	2991	74.00	11029	90.90	285
47.00	1129	62.00	3170	75.00	34320	92.00	1899
48.00	431	63.00	2273	76.00	2984	93.00	2949
49.00	2623	64.00	238	77.00	514	94.00	8546
50.00	13071	65.00	104	77.95	447	95.00	79592

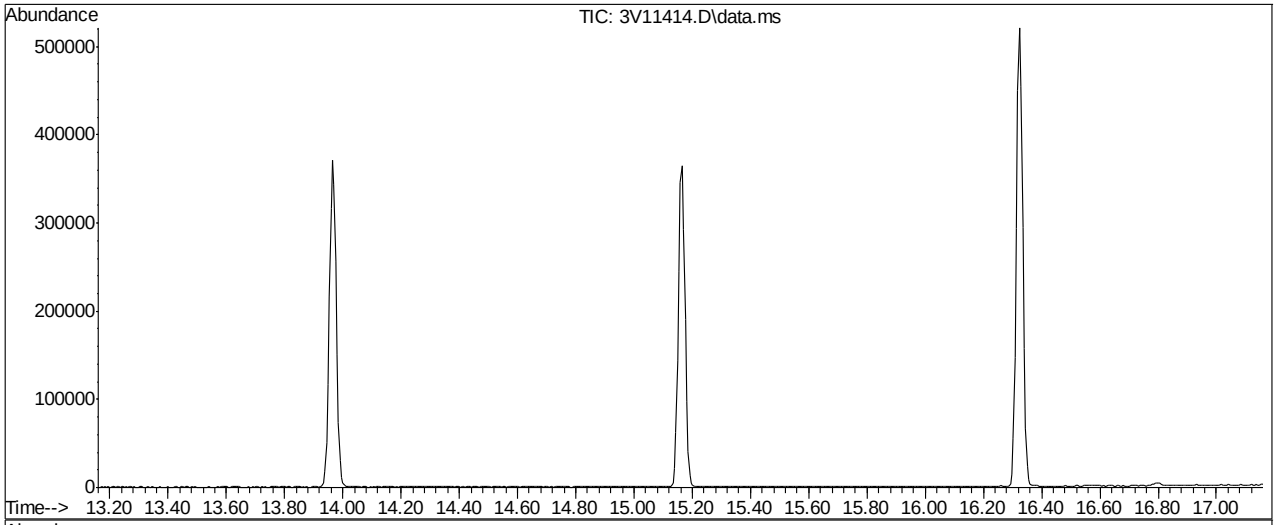
Average of 15.160 to 15.170 min.: 3V11406.D\data.ms
bfb
Modified:subtracted

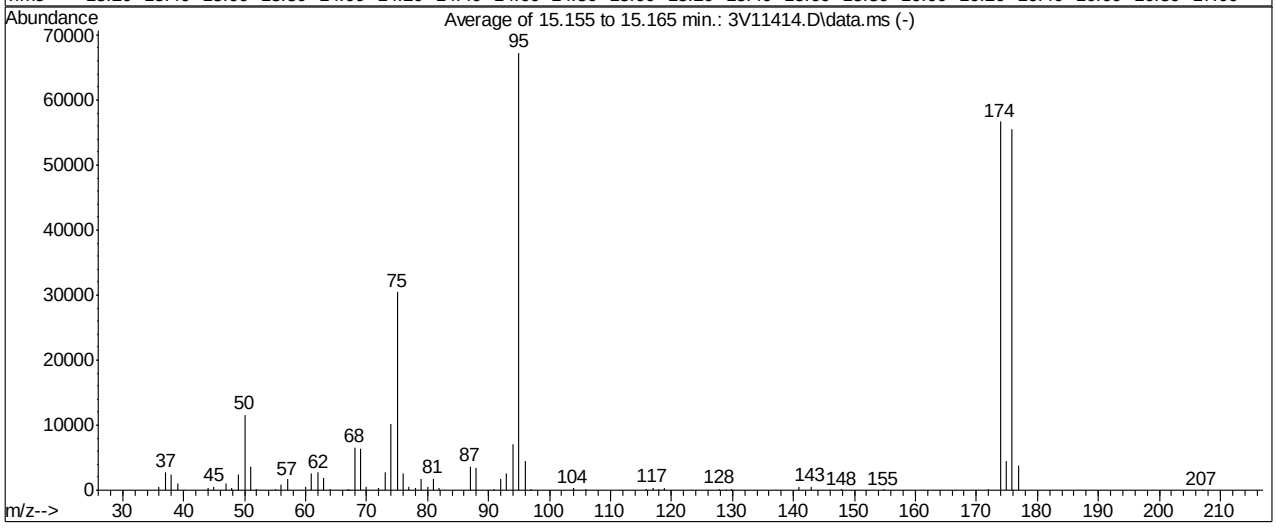
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	5367	142.95	613				
97.05	189	147.85	187				
103.90	321	154.90	178				
105.90	270	171.95	231				
115.95	223	173.90	71531				
116.90	437	174.95	5680				
117.90	250	175.90	69547				
118.90	389	176.90	4544				
127.95	305	177.95	123				
129.90	261	207.00	32				
140.90	667						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11414.D Vial: 1
Acq On : 4 Jun 2014 8:39 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68397,V3V486,5,,,,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 2254, 2255, 2256; 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	17.2	11597	PASS
75	95	30	60	45.2	30440	PASS
95	95	100	100	100.0	67299	PASS
96	95	5	9	6.7	4495	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	84.2	56675	PASS
175	174	5	9	8.0	4525	PASS
176	174	95	101	98.0	55528	PASS
177	176	5	9	6.8	3765	PASS

3V11414.D M3V474.M Wed Jun 04 15:44:25 2014 GCMS3V

Average of 15.155 to 15.165 min.: 3V11414.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	505	51.00	3650	67.10	66	78.90	1709
37.05	2768	52.00	180	68.00	6591	79.95	569
38.00	2407	55.00	123	69.00	6384	80.90	1777
39.05	1046	56.00	884	70.00	451	81.90	429
40.00	14	57.00	1675	72.00	384	87.00	3687
44.00	291	60.00	531	73.00	2786	87.95	3445
45.00	591	61.00	2603	74.00	10152	90.85	262
47.00	1025	62.05	2741	75.00	30440	92.00	1778
47.95	349	63.00	1977	76.05	2549	93.00	2613
49.00	2383	64.00	214	76.90	448	94.00	7037
50.00	11597	66.90	123	78.05	363	95.00	67299

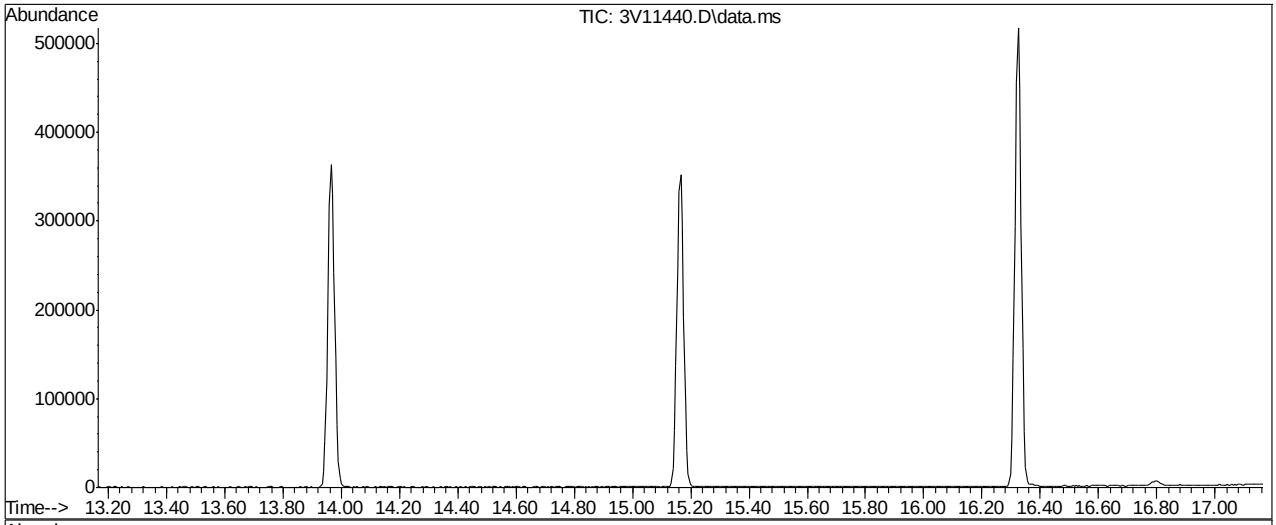
Average of 15.155 to 15.165 min.: 3V11414.D\data.ms
bfb
Modified:subtracted

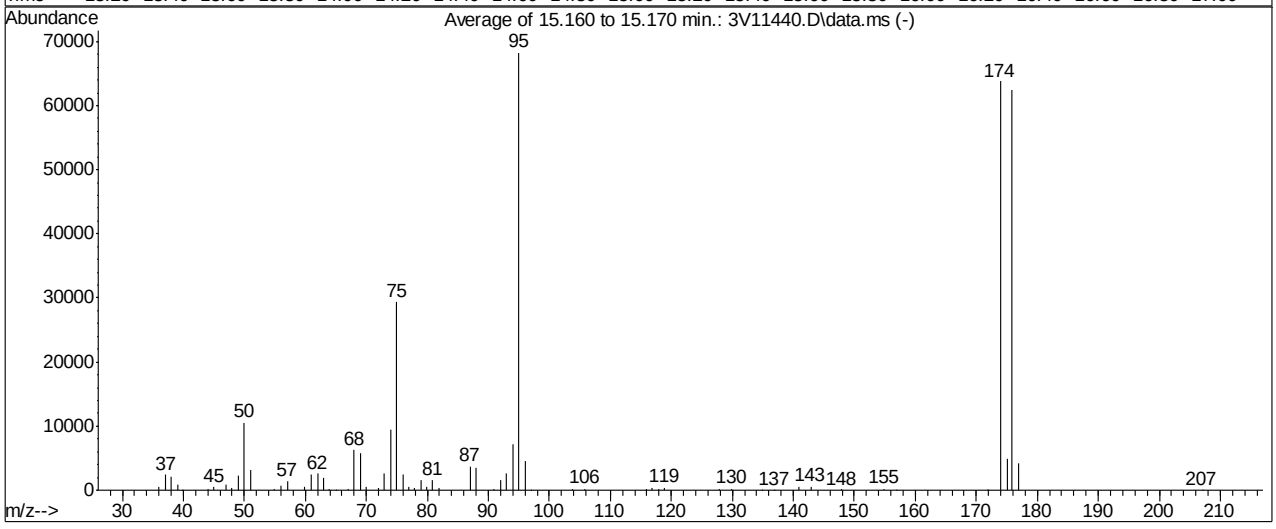
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	4495	140.95	499				
97.00	111	142.90	571				
103.90	270	145.90	52				
105.95	225	147.90	144				
115.85	215	154.80	136				
116.90	413	171.95	204				
117.90	211	173.90	56675				
118.90	377	174.95	4525				
127.85	260	175.90	55528				
128.90	57	176.90	3765				
129.85	230	207.00	36				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3V11440.D Vial: 1
Acq On : 5 Jun 2014 8:31 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68397,V3V487,5,,,,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	15.4	10535	PASS
75	95	30	60	43.0	29352	PASS
95	95	100	100	100.0	68291	PASS
96	95	5	9	6.7	4569	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.4	63792	PASS
175	174	5	9	7.6	4870	PASS
176	174	95	101	98.0	62488	PASS
177	176	5	9	6.6	4150	PASS

3V11440.D M3V474.M Thu Jun 05 16:23:15 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11440.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	498	51.00	3234	68.00	6227	79.95	457
37.10	2433	54.95	154	69.00	5763	80.90	1597
38.05	2123	56.00	790	70.00	495	81.90	399
39.05	874	57.05	1452	72.00	313	87.00	3686
39.90	3	59.95	532	73.00	2664	88.00	3562
44.00	232	61.00	2472	74.00	9460	91.00	237
45.00	482	62.00	2591	75.00	29352	92.00	1623
47.00	861	63.00	1857	76.00	2449	93.00	2545
47.95	315	63.95	126	76.95	479	94.00	7204
49.00	2271	65.00	52	77.95	365	95.00	68291
50.00	10535	66.95	122	78.90	1557	96.00	4569

Average of 15.160 to 15.170 min.: 3V11440.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	55	140.95	530	207.00	23		
103.85	245	142.90	567				
105.85	258	147.90	137				
115.90	223	154.95	240				
116.85	341	156.90	53				
117.90	204	171.80	66				
118.90	353	172.00	52				
127.95	211	173.90	63792				
129.90	218	175.00	4870				
134.80	53	175.90	62488				
136.90	60	176.90	4150				

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

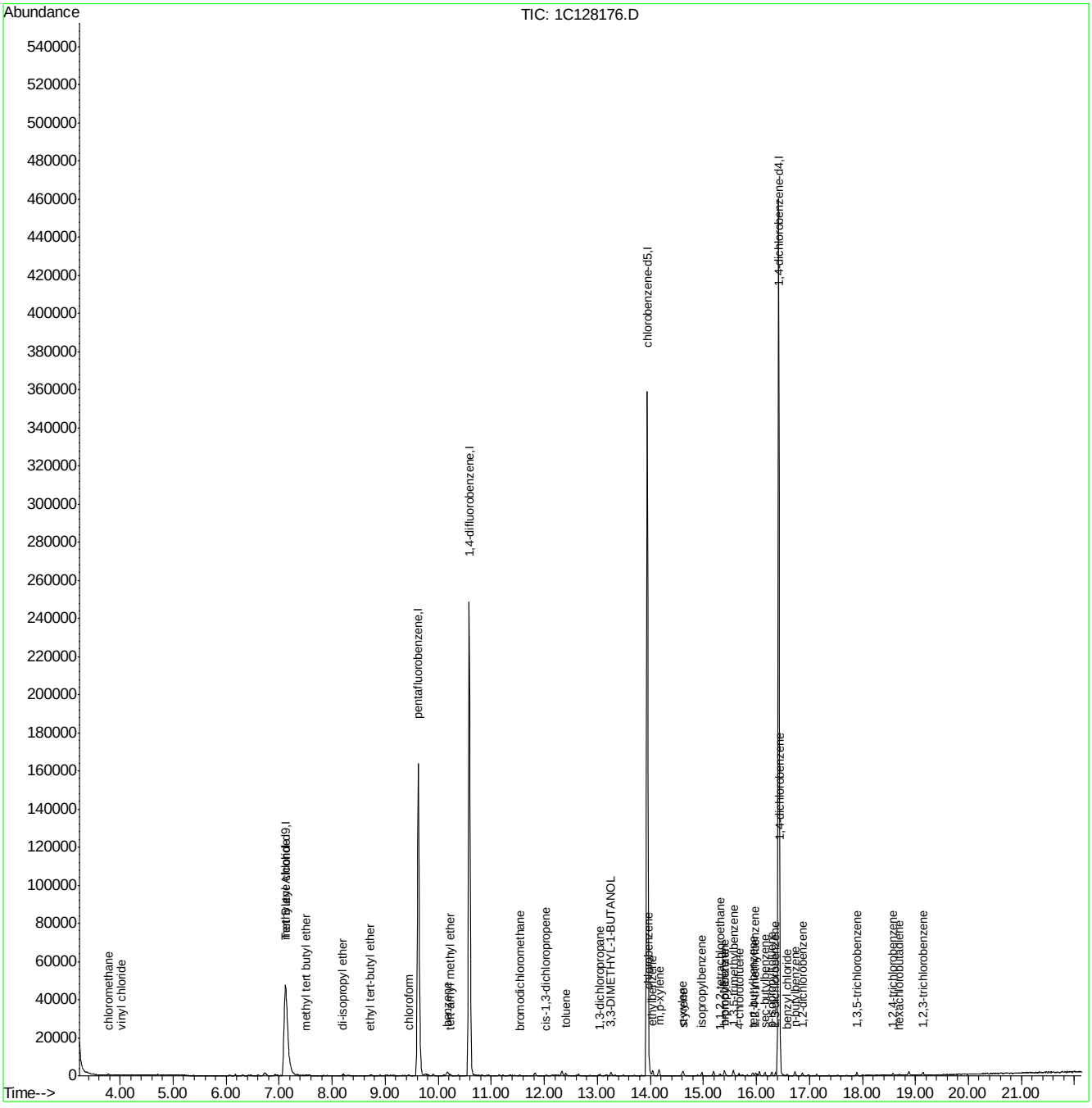
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
125) n-butylbenzene	16.73	92	960	0.22	ug/L		90
127) 1,3,5-trichlorobenzene	17.89	180	869	0.21	ug/L	#	93
128) 1,2,4-trichlorobenzene	18.58	180	816	0.22	ug/L		85
129) hexachlorobutadiene	18.70	225	372	0.19	ug/L	#	53
131) 1,2,3-trichlorobenzene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

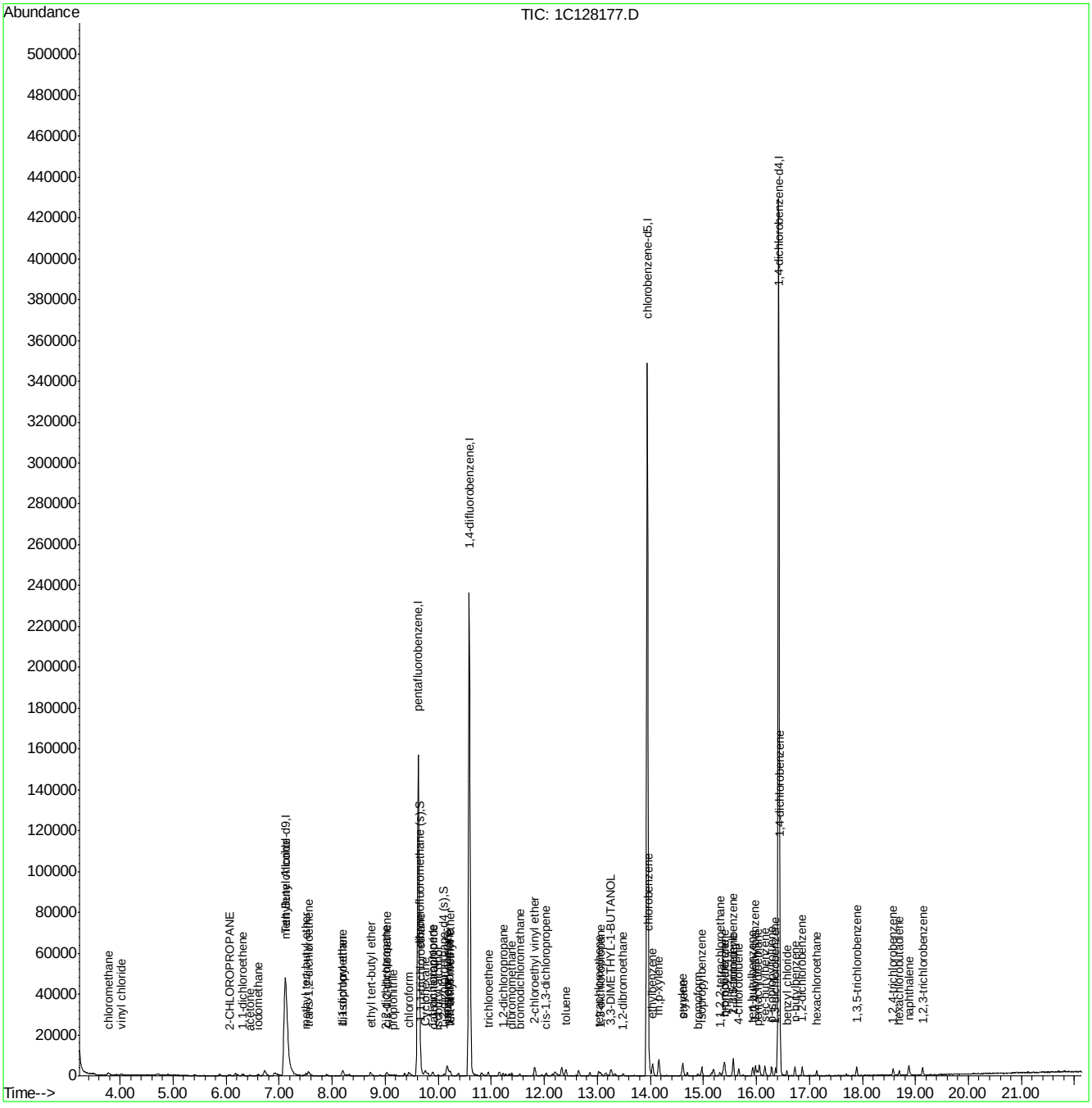
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
90) 1,3-dichloropropane	13.06	76	1226	0.46	ug/L		93
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	1650	4.75	ug/L		93
94) 1,2-dibromoethane	13.48	107	744	0.52	ug/L		81
95) chlorobenzene	13.97	112	2274	0.48	ug/L		99
97) ethylbenzene	14.05	91	3856	0.44	ug/L		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



ACCUTEST LABORATORIES JB68173

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) bromochloromethate	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

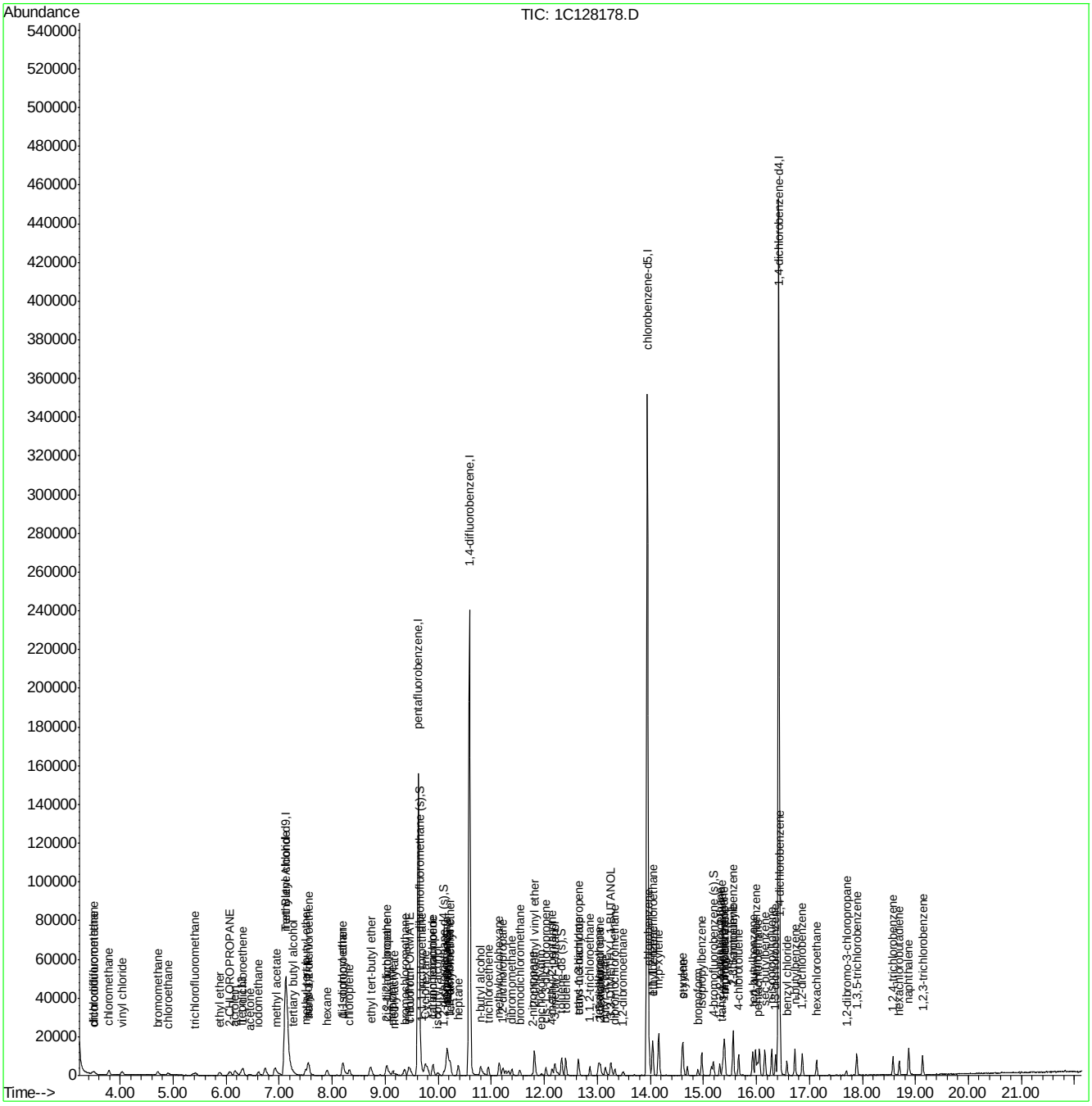
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
116) pentachloroethane	16.02	167	2009	1.53 ug/L	94
117) 1,2,4-trimethylbenzene	15.98	105	8971	1.14 ug/L	99
118) sec-butylbenzene	16.16	105	11889	1.15 ug/L	99
119) 1,3-dichlorobenzene	16.36	146	5874	1.20 ug/L	97
120) p-isopropyltoluene	16.29	119	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

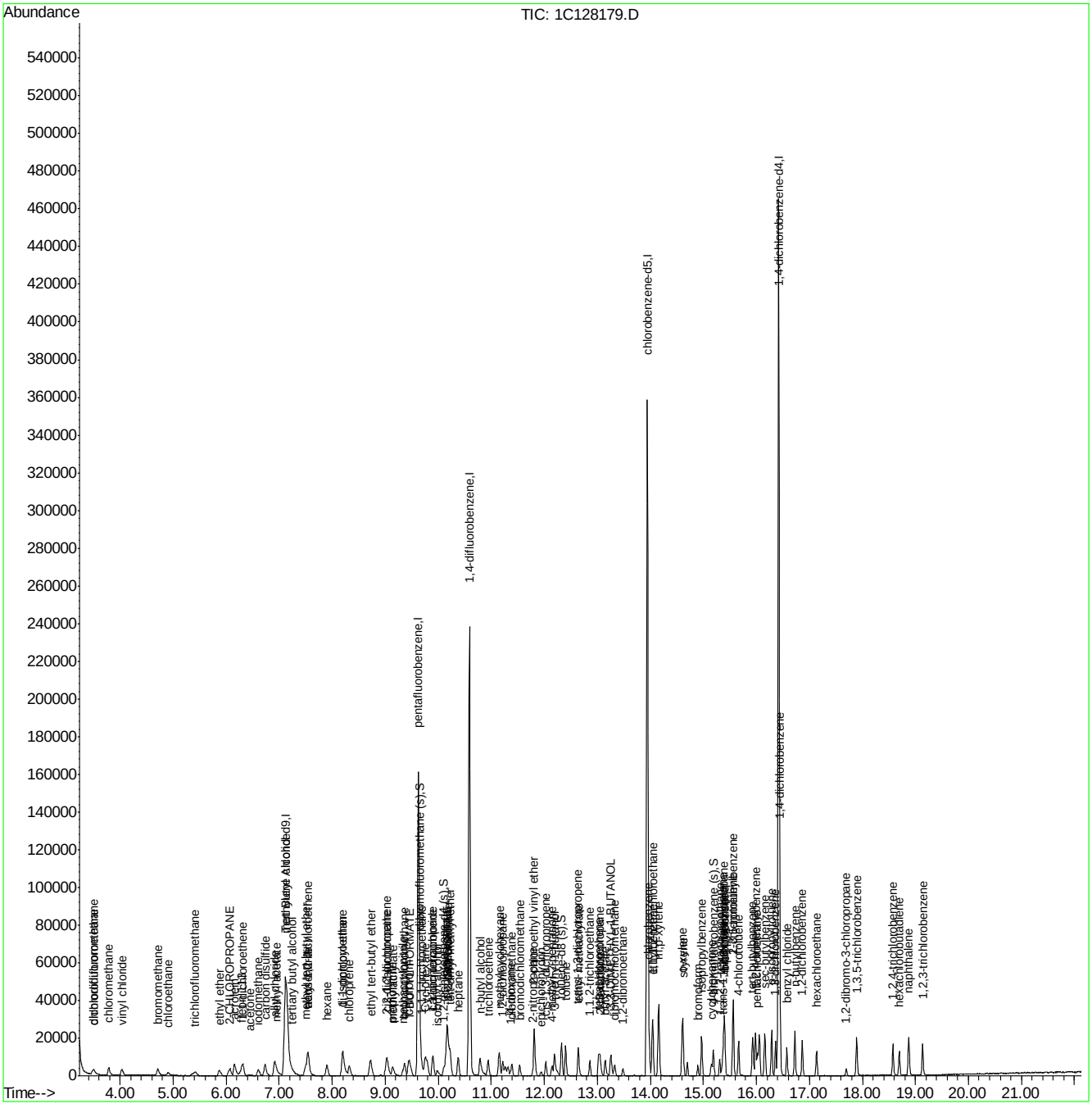
7.7.4

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

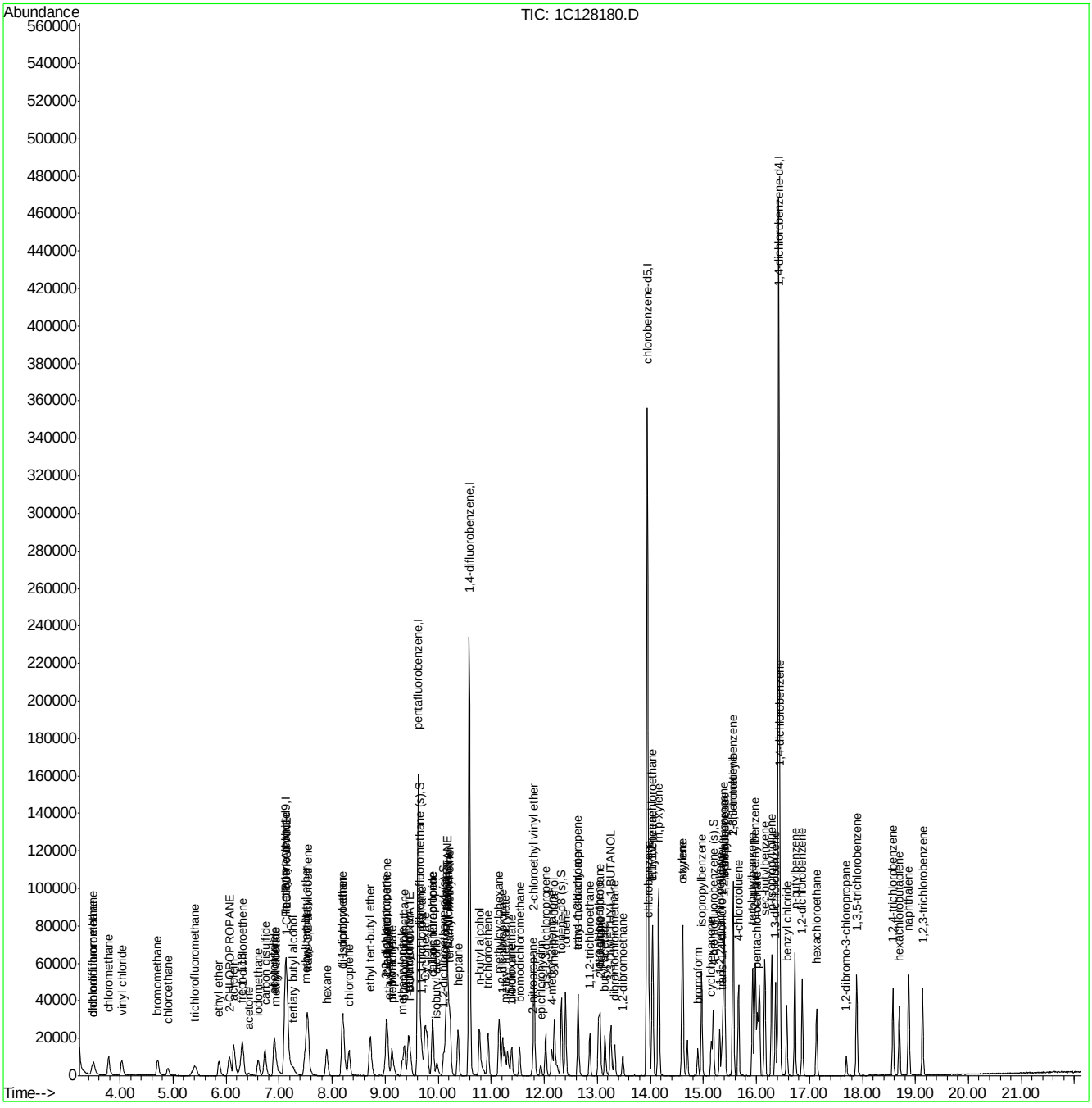
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.97	105	44000	4.77	ug/L	97
106) cyclohexanone	15.15	55	10010	54.16	ug/L	99
107) bromobenzene	15.39	156	11917	4.93	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.31	83	15414	4.58	ug/L	97
109) trans-1,4-dichloro-2-buten	15.35	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

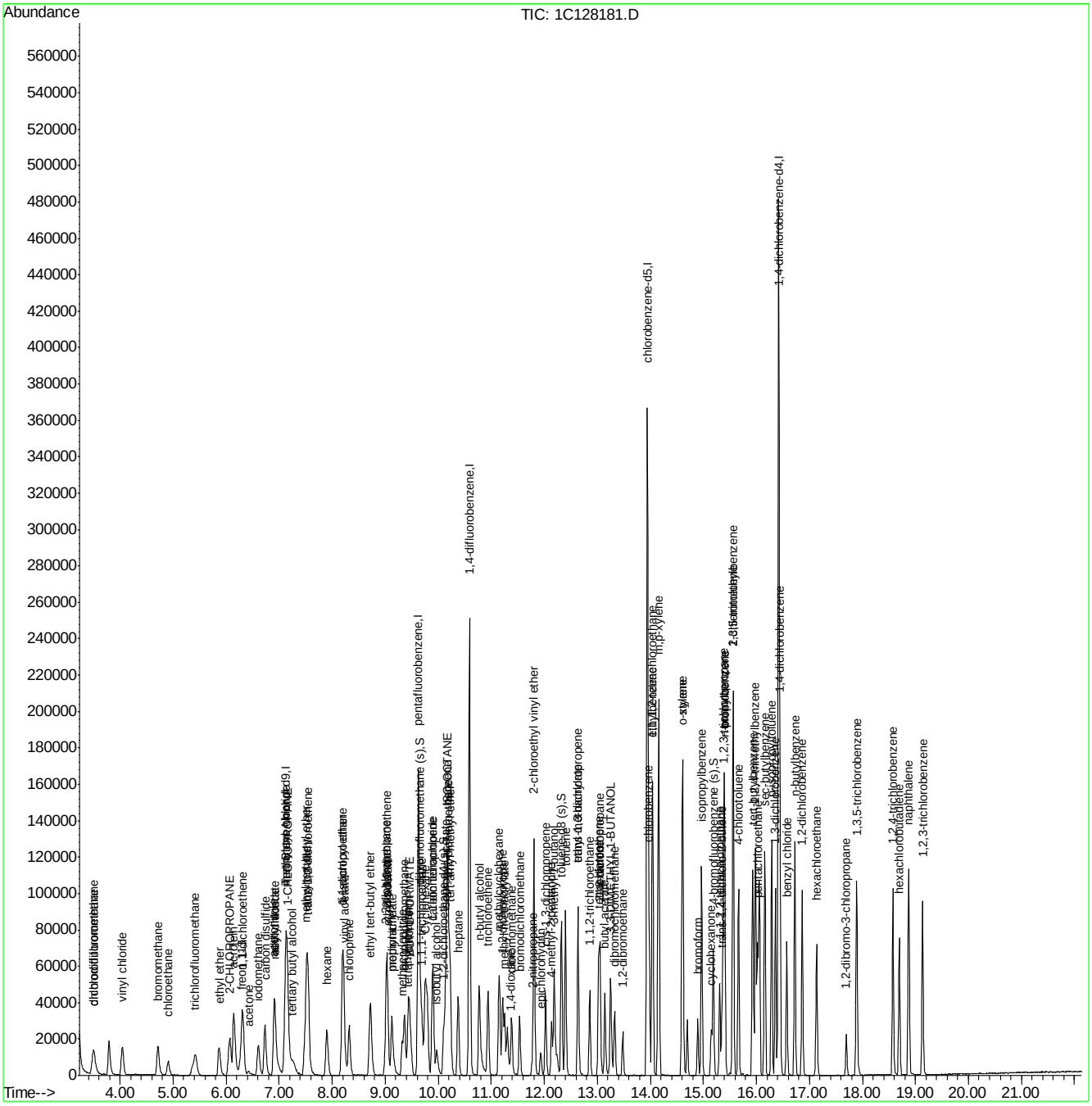
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.97	105	89043	9.64	ug/L	100
106) cyclohexanone	15.15	55	13165	69.63	ug/L	98
107) bromobenzene	15.39	156	24439	10.05	ug/L	95
108) 1,1,2,2-tetrachloroethane	15.31	83	31708	9.47	ug/L	99
109) trans-1,4-dichloro-2-buten	15.35	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

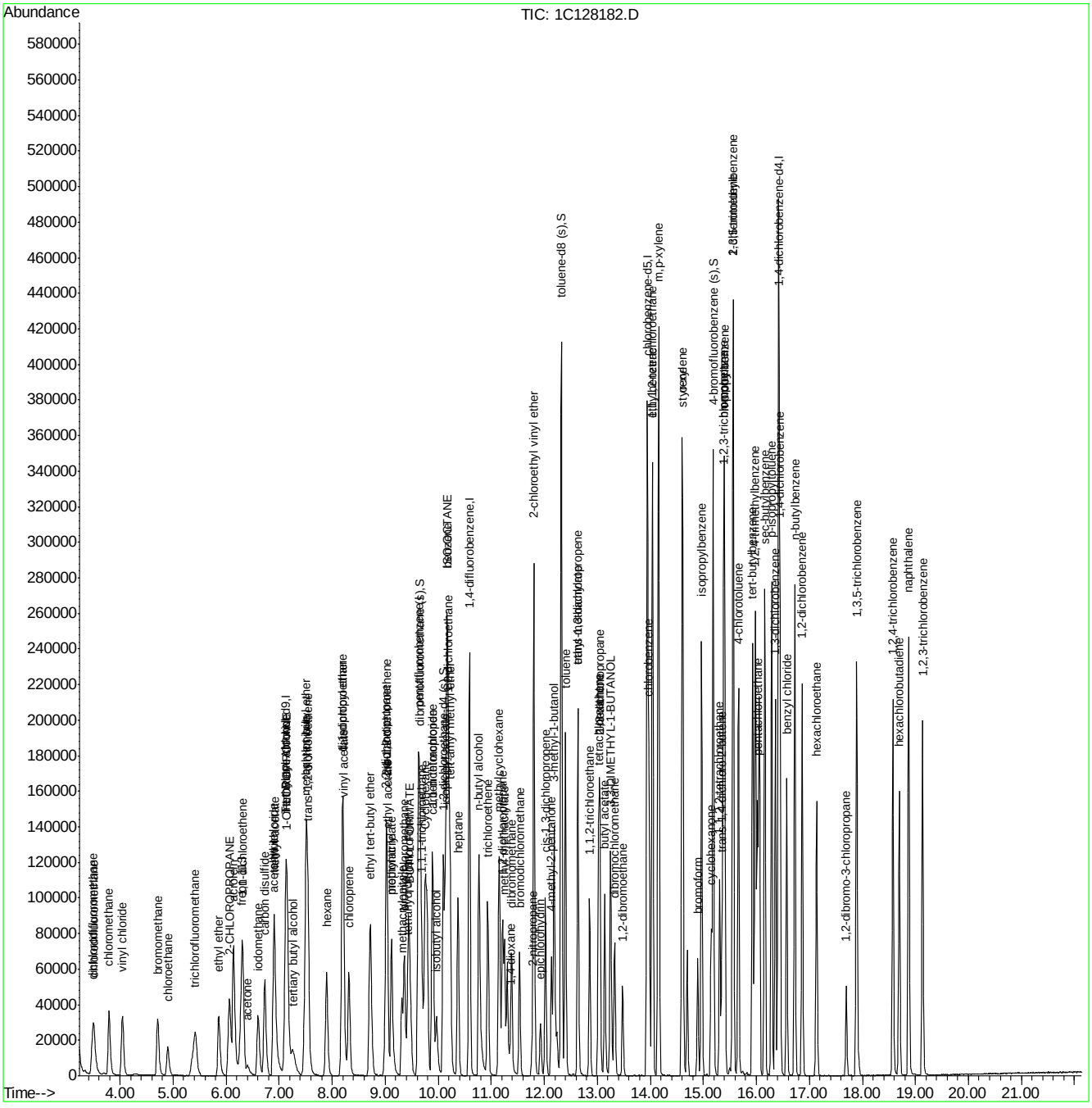
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	37256	21.57	ug/L	98
104) isopropylbenzene	14.97	105	184515	19.87	ug/L	99
106) cyclohexanone	15.15	55	41776	228.54	ug/L	99
107) bromobenzene	15.38	156	51042	20.75	ug/L	96
108) 1,1,2,2-tetrachloroethane	15.31	83	67185	20.01	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

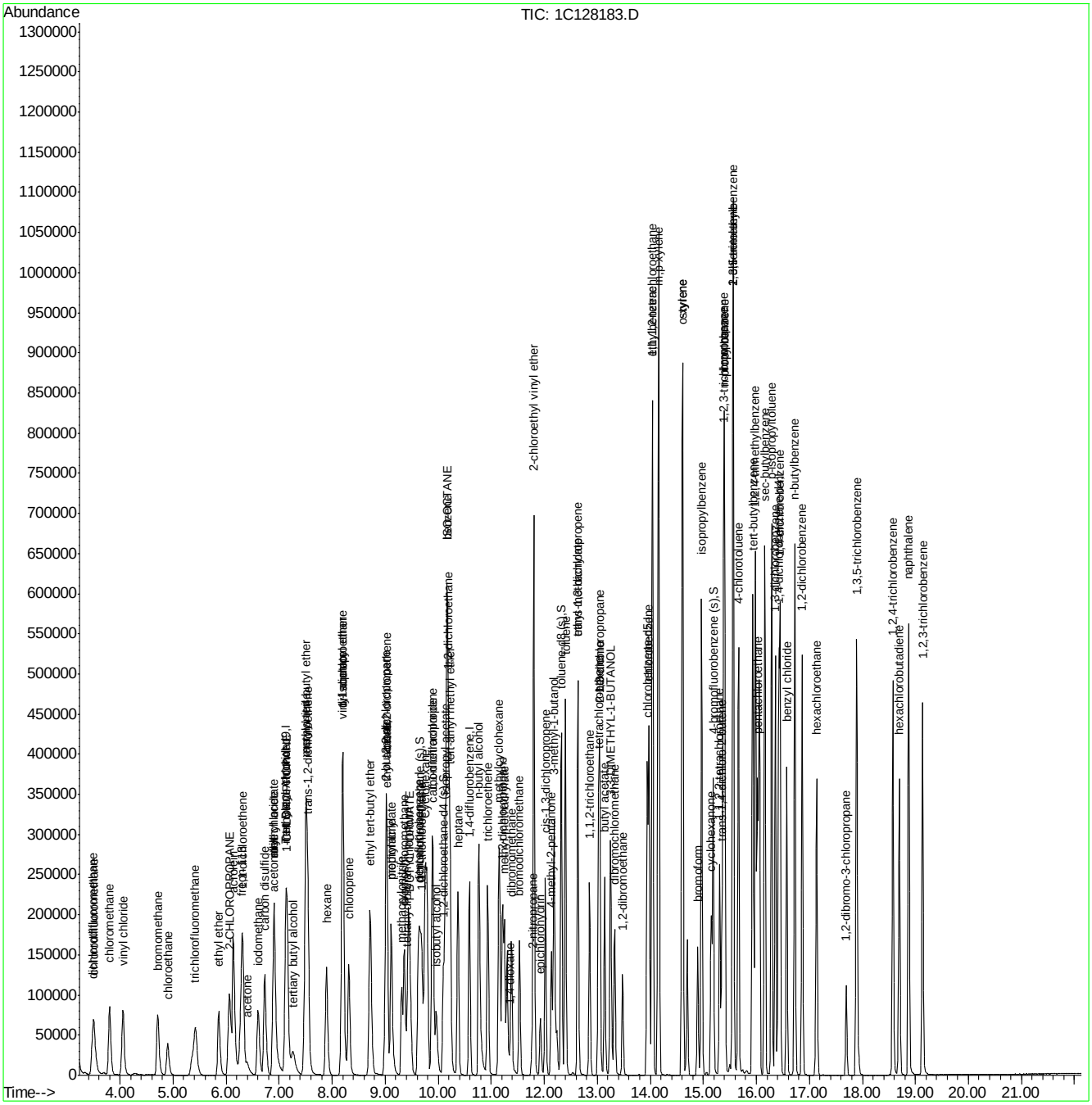
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.89	173	90758	54.36	ug/L	97
104) isopropylbenzene	14.97	105	451428	48.60	ug/L	99
106) cyclohexanone	15.15	55	103252	1131.74	ug/L	97
107) bromobenzene	15.38	156	124642	47.27	ug/L	88
108) 1,1,2,2-tetrachloroethane	15.31	83	155848	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

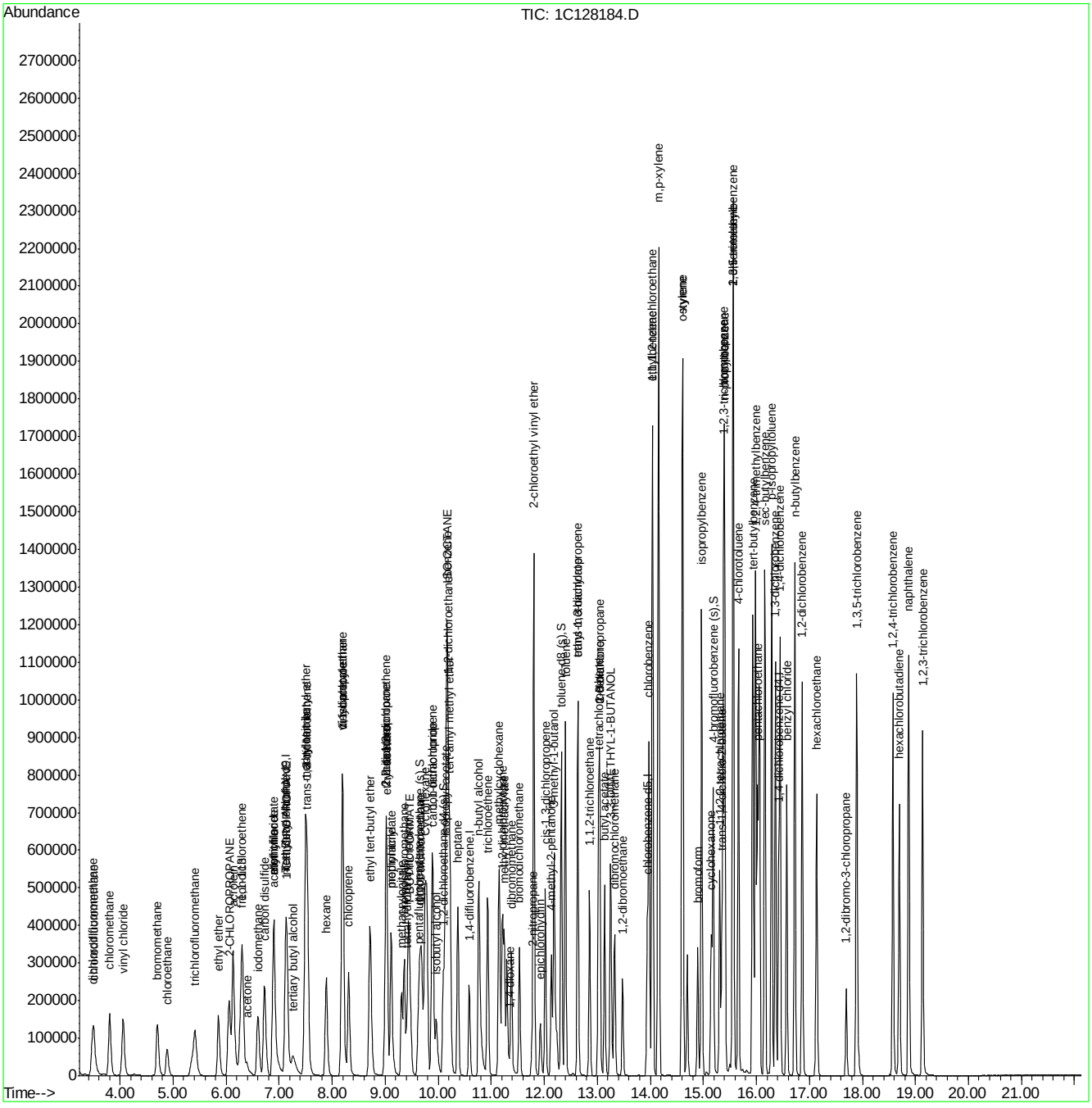
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	191157	103.75	ug/L	97
104) isopropylbenzene	14.97	105	944242	97.04	ug/L	99
106) cyclohexanone	15.15	55	197875	1013.91	ug/L	100
107) bromobenzene	15.38	156	265183	102.31	ug/L	99
108) 1,1,2,2-tetrachloroethane	15.31	83	325053	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

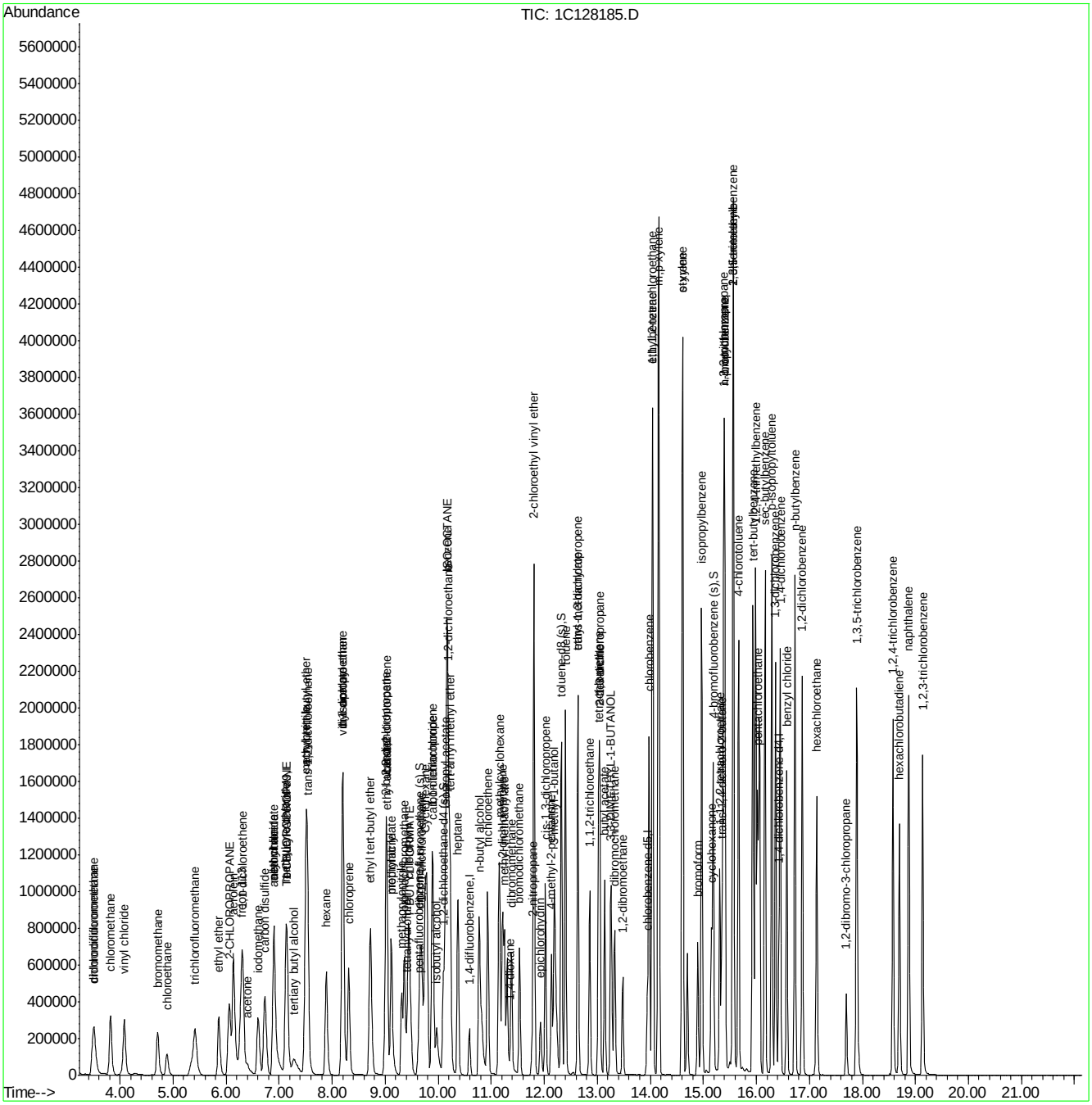
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	400596	203.45	ug/L	97
104) isopropylbenzene	14.97	105	1981195	191.97	ug/L	98
106) cyclohexanone	15.15	55	407777	1960.55	ug/L	99
107) bromobenzene	15.39	156	569219	205.86	ug/L	93
108) 1,1,2,2-tetrachloroethane	15.31	83	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

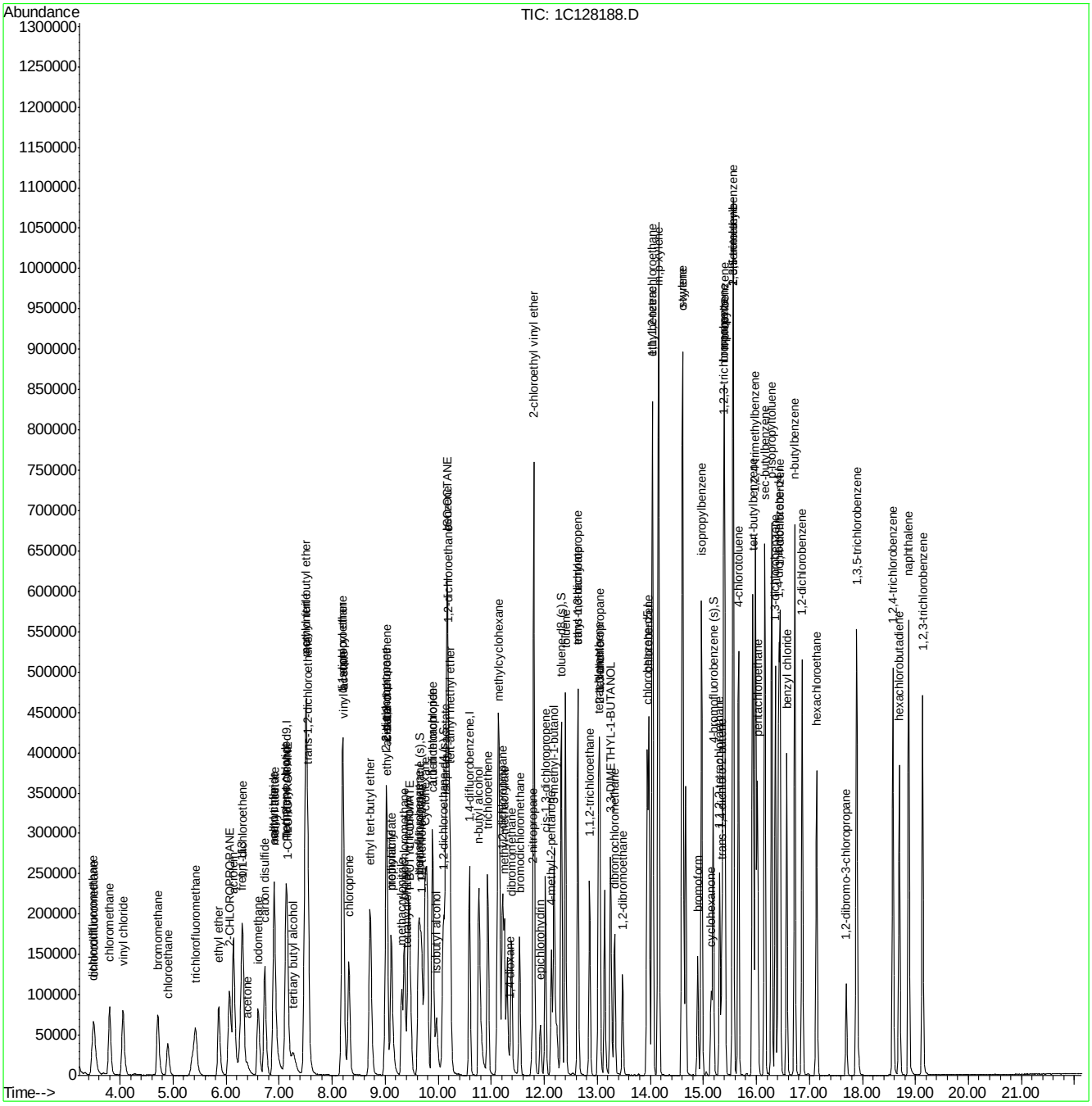
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) bromobenzene	15.38	156	126262	48.40	ug/L	98
108) 1,1,2,2-tetrachloroethane	15.31	83	151467	43.85	ug/L	100
109) trans-1,4-dichloro-2-buten	15.35	53	42608	44.96	ug/L	89
110) 1,2,3-trichloropropane	15.38	110	36385	45.03	ug/L	98
111) n-propylbenzene	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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128945.D
Acq On : 5 Jun 2014 10:48 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 08:37:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.116	65	129573	500.00	ug/L		-0.01
4) pentafluorobenzene	9.621	168	168210	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.584	114	260712	50.00	ug/L		0.00
88) chlorobenzene-d5	13.941	117	242617	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	16.420	152	146796	50.00	ug/L		0.00
System Monitoring Compounds							
52) dibromofluoromethane (s)	9.653	113	95436	48.31	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 96.62%				
53) 1,2-dichloroethane-d4 (s)	10.092	65	111394	48.65	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 97.30%				
80) toluene-d8 (s)	12.320	98	349961	47.92	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 95.84%				
105) 4-bromofluorobenzene (s)	15.186	95	133906	46.34	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 92.68%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.252	59	31247	98.40	ug/L		100
3) 1,4-dioxane	11.352	88	10575	425.75	ug/L		91
9) chlorodifluoromethane	3.491	51	44455	24.97	ug/L		97
10) dichlorodifluoromethane	3.481	85	54290	19.26	ug/L		95
12) chloromethane	3.789	50	62653	16.83	ug/L		99
13) vinyl chloride	4.041	62	60265	18.41	ug/L		98
14) bromomethane	4.705	94	37965	19.00	ug/L		97
15) chloroethane	4.904	64	26059	18.68	ug/L		98
19) trichlorofluoromethane	5.411	101	64687	20.26	ug/L		99
20) ethyl ether	5.855	74	21596	19.63	ug/L		97
22) acrolein	6.133	56	99172	177.04	ug/L		97
23) 1,1-dichloroethene	6.300	96	37094	19.99	ug/L		96
24) acetone	6.405	43	19035	21.29	ug/L		99
25) acetonitrile	6.891	40	44837	167.58	ug/L		96
26) allyl chloride	6.901	76	19733	20.15	ug/L		92
27) iodomethane	6.593	142	74430	20.15	ug/L		99
28) carbon disulfide	6.718	76	139674	19.81	ug/L		98
29) 2-CHLOROPROPANE	6.054	43	76219	19.55	ug/L		99
30) methylene chloride	7.116	84	42287	19.49	ug/L		98
31) methyl acetate	6.912	43	41417	20.22	ug/L		96
32) methyl tert butyl ether	7.487	73	126396	19.55	ug/L		96
33) trans-1,2-dichloroethene	7.540	96	39012	20.63	ug/L		98
34) 1-CHLOROPROPANE	7.147	42	85800	18.69	ug/L		94
35) di-isopropyl ether	8.188	45	145893	19.98	ug/L		78
36) 2-butanone	9.014	72	5882	20.48	ug/L	#	80
37) 1,1-dichloroethane	8.188	63	76217	19.73	ug/L		99
38) chloroprene	8.314	53	58773	20.66	ug/L		100
39) acrylonitrile	7.503	53	96210	98.01	ug/L		99
40) vinyl acetate	8.214	86	6107	17.81	ug/L		74
41) ethyl tert-butyl ether	8.711	59	136579	20.27	ug/L		98
42) ethyl acetate	9.041	45	7593	18.89	ug/L		90
43) 2,2-dichloropropane	9.009	77	63478	21.01	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128945.D
Acq On : 5 Jun 2014 10:48 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 08:37:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 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	43327	20.66	ug/L		97
45) propionitrile	9.114	54	77674	192.14	ug/L		99
46) methylacrylate	9.114	55	53259	18.86	ug/L		95
47) bromochloromethane	9.360	128	21770	20.34	ug/L		98
48) tetrahydrofuran	9.412	72	6652	18.96	ug/L		93
49) chloroform	9.433	85	45677	20.45	ug/L		99
50) T-BUTYL FORMATE	9.464	59	39017	18.99	ug/L		97
51) isobutyl alcohol	9.961	43	27573	168.89	ug/L		96
54) freon 113	6.290	151	32683	23.43	ug/L		92
55) methacrylonitrile	9.313	67	18775	19.22	ug/L		98
56) 1,1,1-trichloroethane	9.689	97	61602	20.68	ug/L		99
57) Cyclohexane	9.752	84	60072	19.35	ug/L		97
59) ISO-OCTANE	10.170	57	156830	18.56	ug/L		98
60) epichlorohydrin	11.922	57	27643	89.38	ug/L		99
61) n-butyl alcohol	10.761	56	83381	794.04	ug/L		99
62) carbon tetrachloride	9.904	117	55778	20.17	ug/L		99
63) 1,1-dichloropropene	9.883	75	54048	19.97	ug/L		99
64) hexane	7.890	57	50343	21.24	ug/L		97
65) benzene	10.160	78	159280	19.34	ug/L		99
66) tert-amyl methyl ether	10.217	73	130030	19.17	ug/L		99
67) heptane	10.369	57	30441	20.36	ug/L		94
68) isopropyl acetate	10.129	43	115041	18.51	ug/L		98
69) 1,2-dichloroethane	10.191	62	54502	20.17	ug/L		98
70) trichloroethene	10.934	95	39977	20.27	ug/L		99
71) 2-nitropropane	11.771	41	18925	19.28	ug/L		98
72) 2-chloroethyl vinyl ether	11.802	63	151659	105.29	ug/L		99
73) methyl methacrylate	11.248	100	10580	18.46	ug/L	#	83
74) 1,2-dichloropropane	11.211	63	43196	19.38	ug/L		97
75) dibromomethane	11.379	93	26468	19.76	ug/L		98
76) methylcyclohexane	11.148	83	67675	20.30	ug/L		97
77) bromodichloromethane	11.530	83	55451	19.95	ug/L		99
79) cis-1,3-dichloropropene	12.017	75	68366	19.69	ug/L		98
81) 4-methyl-2-pentanone	12.132	58	20382	17.70	ug/L		95
82) toluene	12.393	92	94908	19.35	ug/L		98
83) 3-methyl-1-butanol	12.184	55	54598	317.41	ug/L		99
84) trans-1,3-dichloropropene	12.629	75	62415	18.78	ug/L		98
85) ethyl methacrylate	12.634	69	55272	17.96	ug/L		99
86) 1,1,2-trichloroethane	12.853	83	31731	18.61	ug/L		97
87) 2-hexanone	13.052	58	19361	18.06	ug/L		96
89) tetrachloroethene	13.021	164	35508	20.30	ug/L		97
90) 1,3-dichloropropane	13.047	76	60487	18.69	ug/L		97
91) butyl acetate	13.136	56	30879	17.08	ug/L		91
92) 3,3-DIMETHYL-1-BUTANOL	13.246	57	65199	166.13	ug/L		99
93) dibromochloromethane	13.324	129	45164	18.79	ug/L		98
94) 1,2-dibromoethane	13.476	107	38810	18.73	ug/L		98
95) chlorobenzene	13.973	112	107678	19.12	ug/L		99
96) 1,1,1,2-tetrachloroethane	14.046	131	44494	19.35	ug/L		99
97) ethylbenzene	14.036	91	188094	19.13	ug/L		99
98) m,p-xylene	14.156	106	141104	38.30	ug/L		98
99) o-xylene	14.600	106	73796	19.37	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128945.D
Acq On : 5 Jun 2014 10:48 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 08:37:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration

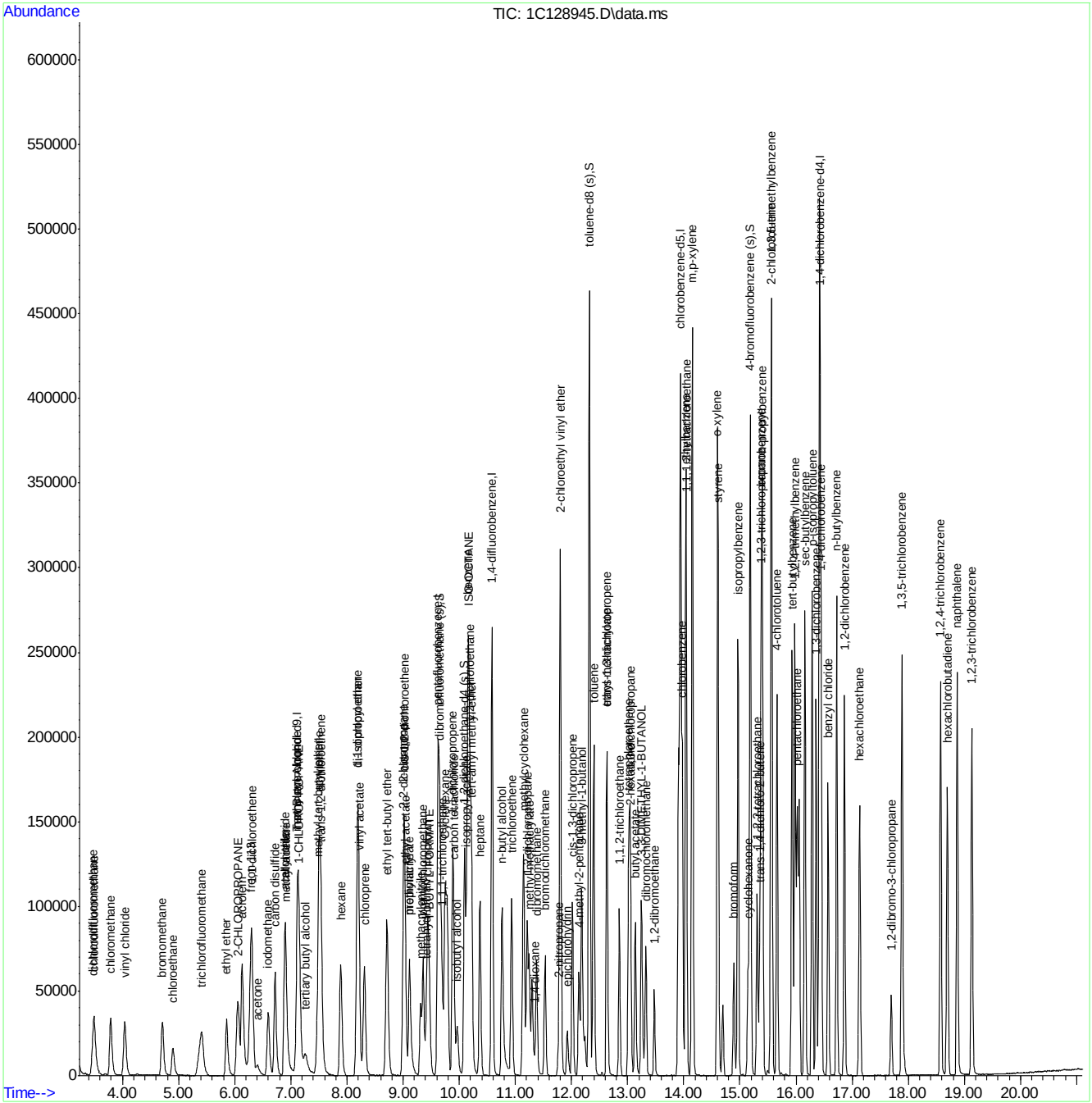
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) styrene	14.616	104	120584	19.36	ug/L	98
102) bromoform	14.893	173	36913	18.66	ug/L	99
104) isopropylbenzene	14.966	105	196794	19.65	ug/L	99
106) cyclohexanone	15.150	55	34833	172.95	ug/L	98
107) bromobenzene	15.385	156	53258	19.71	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.306	83	64024	17.89	ug/L	99
109) trans-1,4-dichloro-2-b...	15.354	53	18353	18.70	ug/L	96
110) 1,2,3-trichloropropane	15.380	110	14938	17.85	ug/L	96
111) n-propylbenzene	15.401	91	225020	19.26	ug/L	98
112) 2-chlorotoluene	15.557	126	48412	19.39	ug/L	99
113) 4-chlorotoluene	15.662	91	138568	18.92	ug/L	99
114) 1,3,5-trimethylbenzene	15.563	105	169094	19.43	ug/L	98
115) tert-butylbenzene	15.934	119	145022	19.57	ug/L	99
116) pentachloroethane	16.023	167	38125	20.59	ug/L	99
117) 1,2,4-trimethylbenzene	15.981	105	166411	19.22	ug/L	97
118) sec-butylbenzene	16.159	105	226078	19.51	ug/L	100
119) 1,3-dichlorobenzene	16.358	146	104189	19.10	ug/L	98
120) p-isopropyltoluene	16.290	119	189332	19.52	ug/L	99
122) 1,4-dichlorobenzene	16.447	146	105569	18.71	ug/L	100
123) benzyl chloride	16.572	91	137332	19.55	ug/L	99
124) 1,2-dichlorobenzene	16.865	146	105715	19.22	ug/L	98
125) n-butylbenzene	16.724	92	99533	19.66	ug/L	98
126) 1,2-dibromo-3-chloropr...	17.697	75	13466	18.59	ug/L	95
127) 1,3,5-trichlorobenzene	17.890	180	98741	21.08	ug/L	99
128) 1,2,4-trichlorobenzene	18.575	180	89925	20.99	ug/L	100
129) hexachlorobutadiene	18.696	225	48303	21.40	ug/L	100
130) naphthalene	18.873	128	215783	19.19	ug/L	99
131) 1,2,3-trichlorobenzene	19.135	180	81782	19.94	ug/L	98
132) hexachloroethane	17.137	201	37806	20.76	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128945.D
Acq On : 5 Jun 2014 10:48 am
Operator : mariceld
Sample : cc5716-20
Misc : MS68235,V1C5750,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 08:37:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M1C5716.M
Quant Title : SW-846 Method 8260B, ZB624 60Mx0.25MMx1.4UM
QLast Update : Tue May 13 12:33:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

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

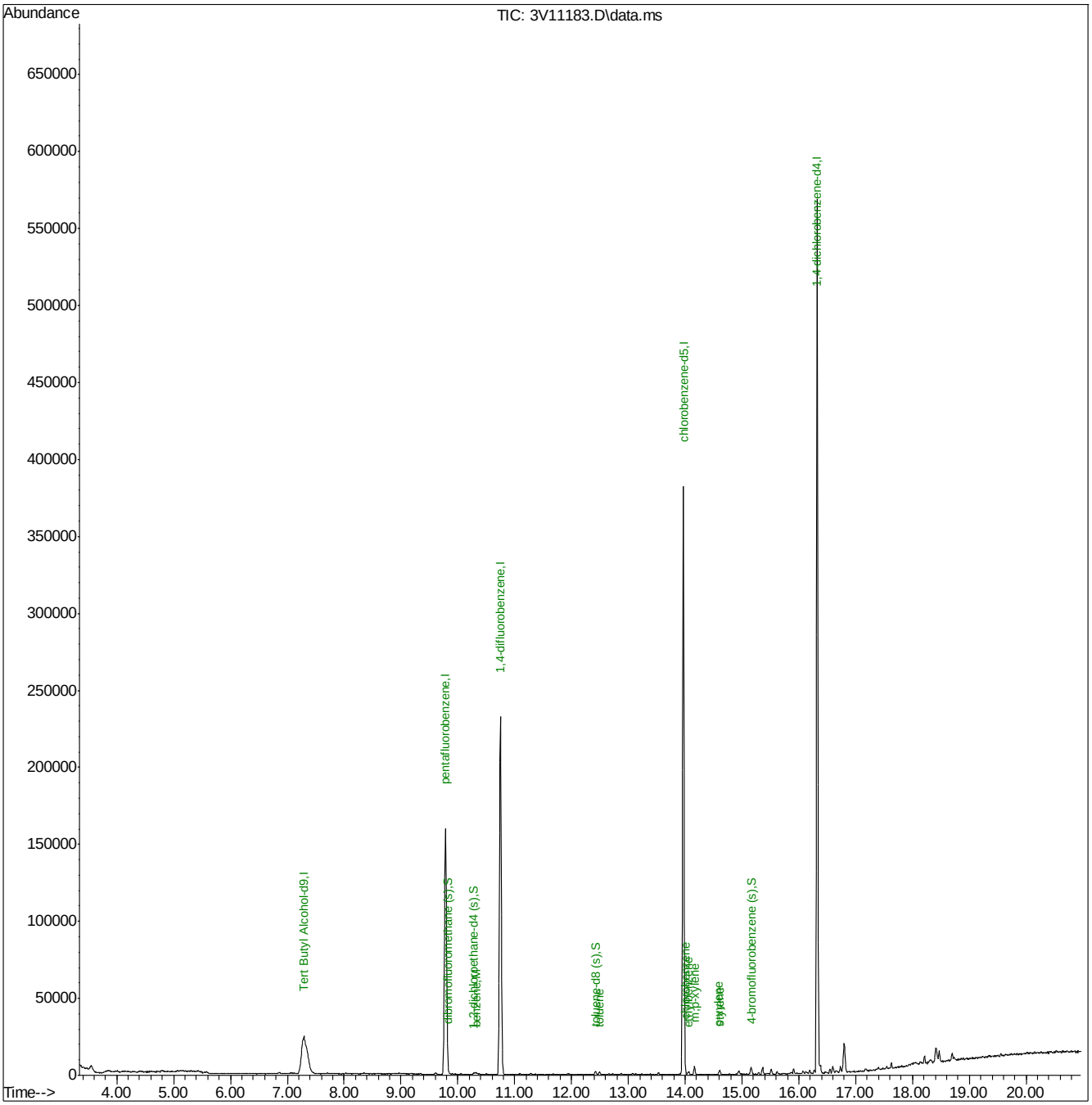
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	92286	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	158490	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	239192	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	228087	50.00	ug/L	0.00
93) 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



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

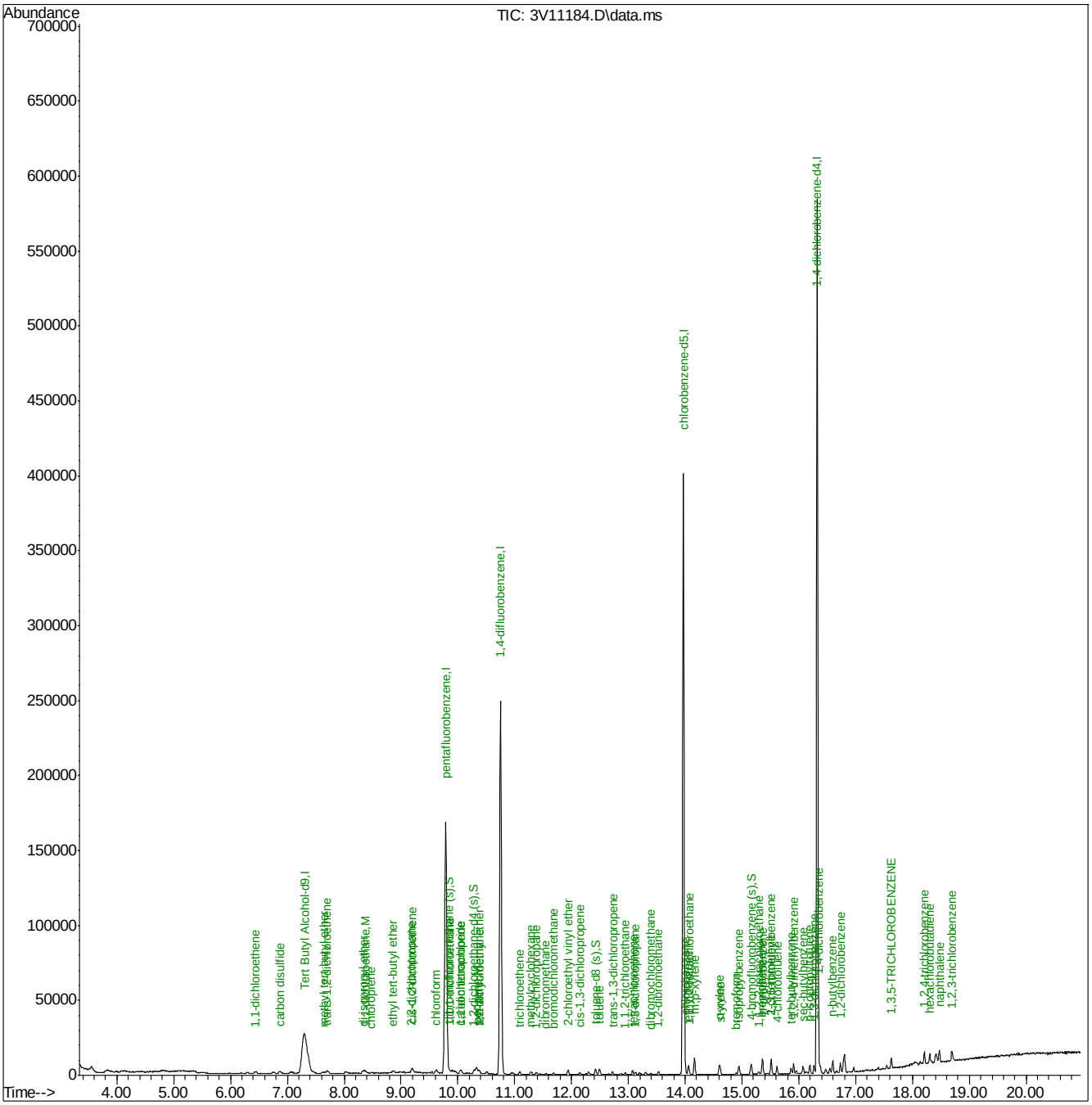
7.7.14

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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



ACCUTEST LABORATORIES JB68173

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

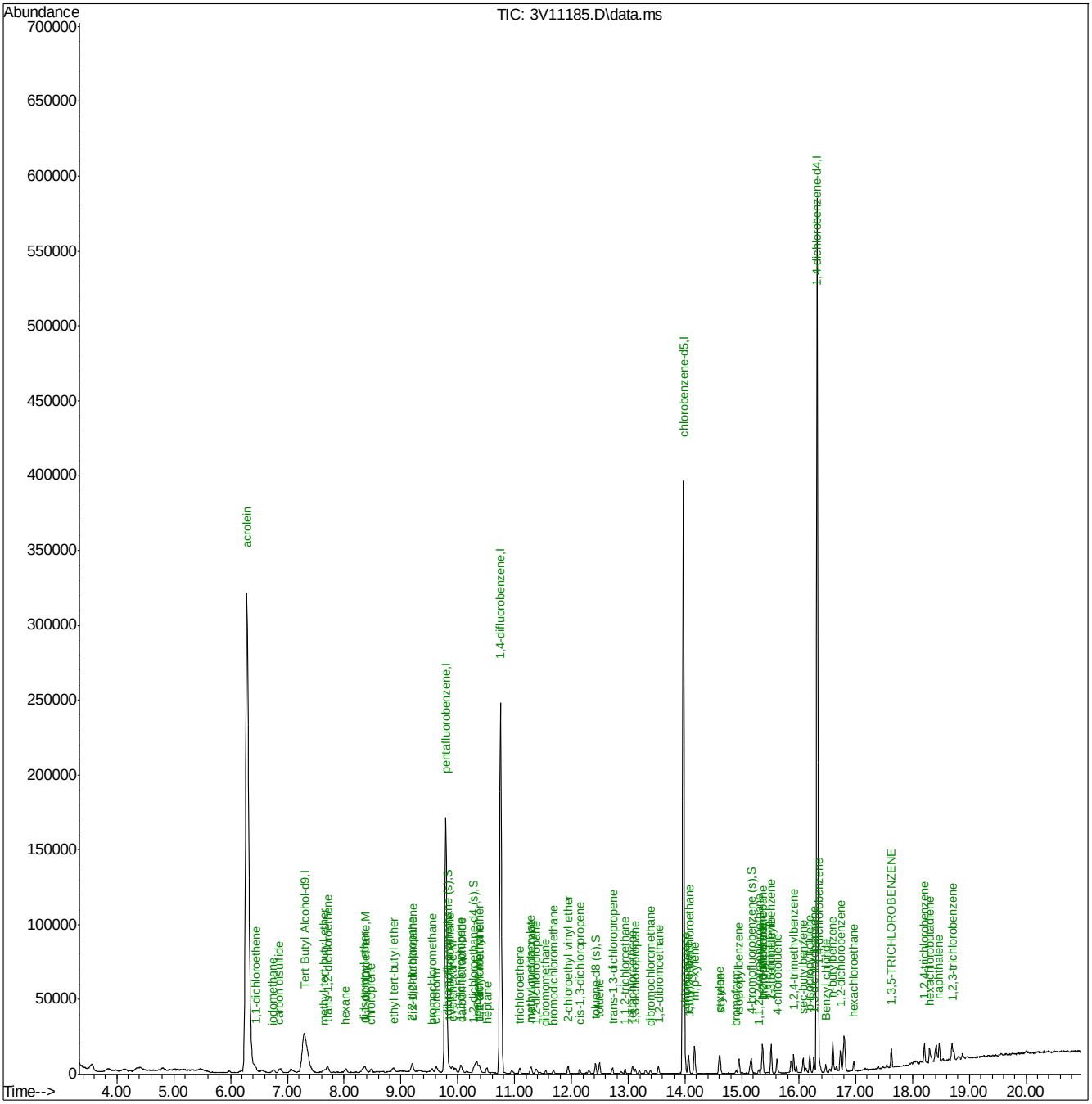
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) trans-1,3-dichloropropene	12.727	75	1826	0.73	ug/L	88
77) 1,1,2-trichloroethane	12.942	83	1031	0.78	ug/L	84
80) tetrachloroethene	13.078	166	1782	0.76	ug/L	97
81) 1,3-dichloropropane	13.120	76	1733	0.69	ug/L	92
83) dibromochloromethane	13.393	129	1440	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



M3V474.M Thu May 29 13:14:34 2014 GCMS3V Page: 3

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

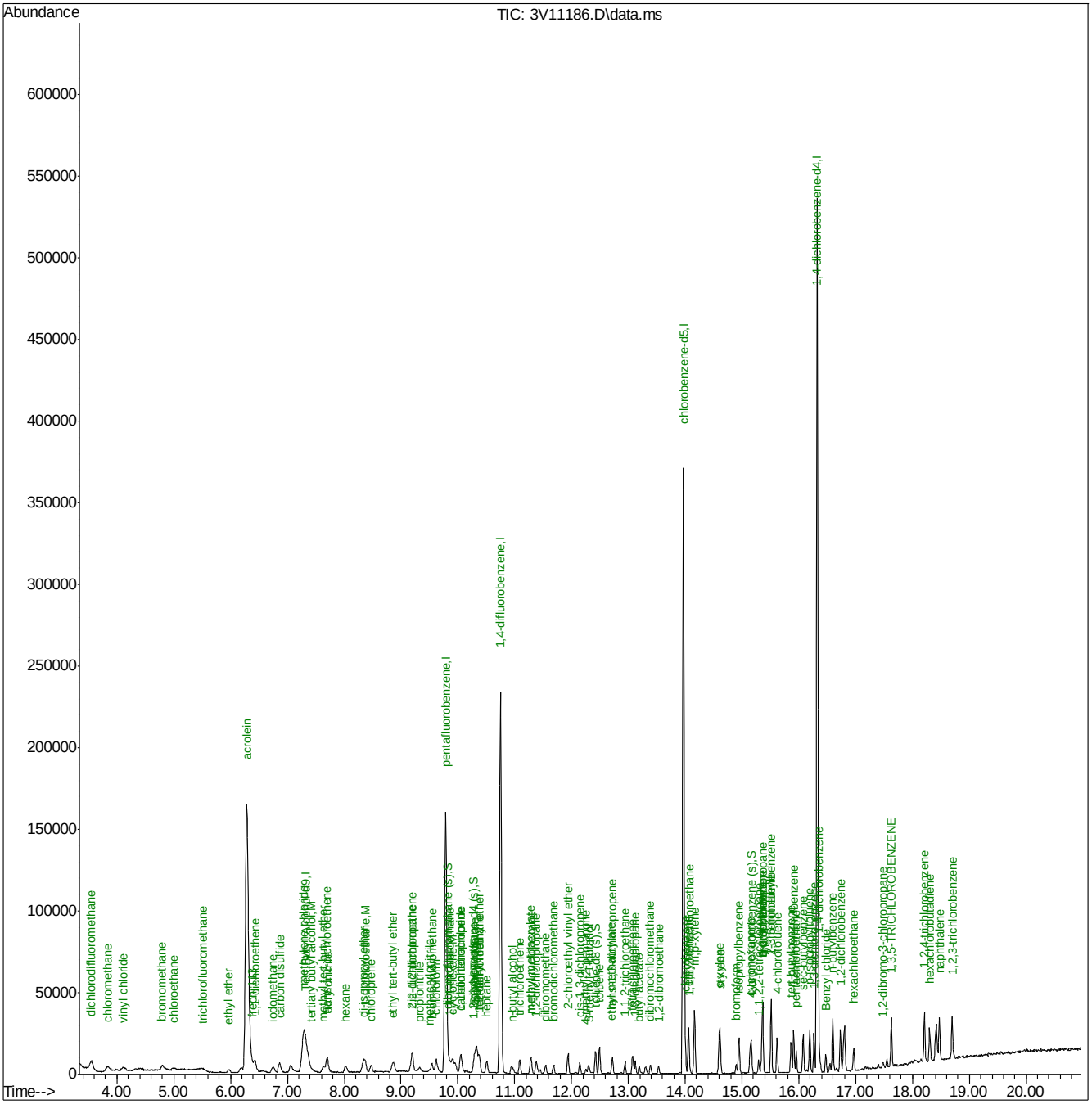
7.7.16

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\
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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)

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Acq On : 22 May 2014 12:08 pm
Operator : thienn
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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

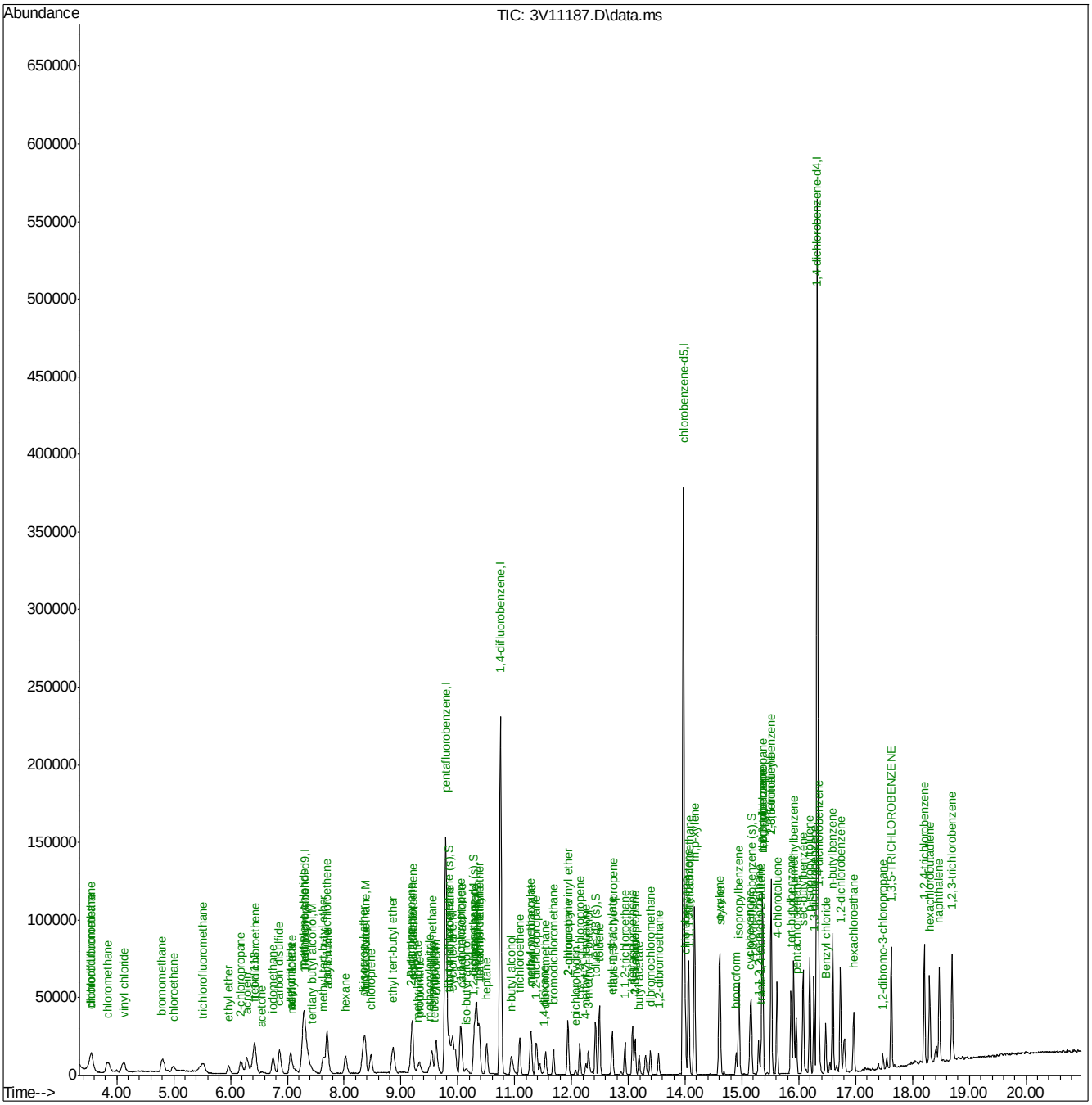
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	43020	5.08	ug/L	97
96) bromobenzene	15.359	156	12846	5.40	ug/L	97
97) cyclohexanone	15.144	55	16268	53.02	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	11850	5.35	ug/L	100
99) trans-1,4-dichloro-2-b...	15.333	53	2420	4.66	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

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

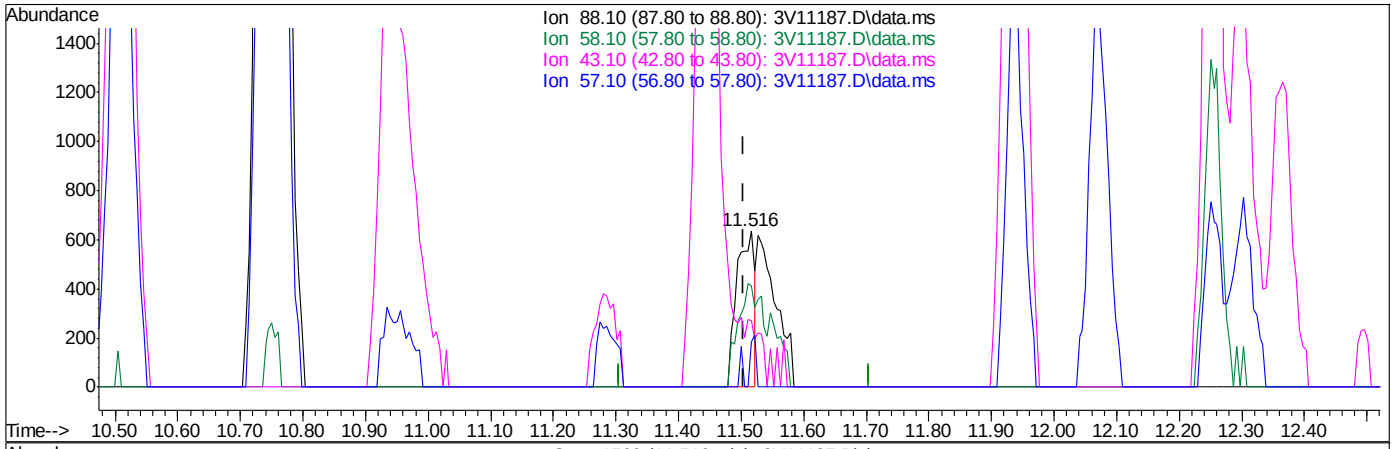
Method: SW846 8260C
Analyst approved: 05/23/14 14:36 Dipa Patel
Supervisor approved: 05/29/14 17:49 Jessica Reitan-Chu

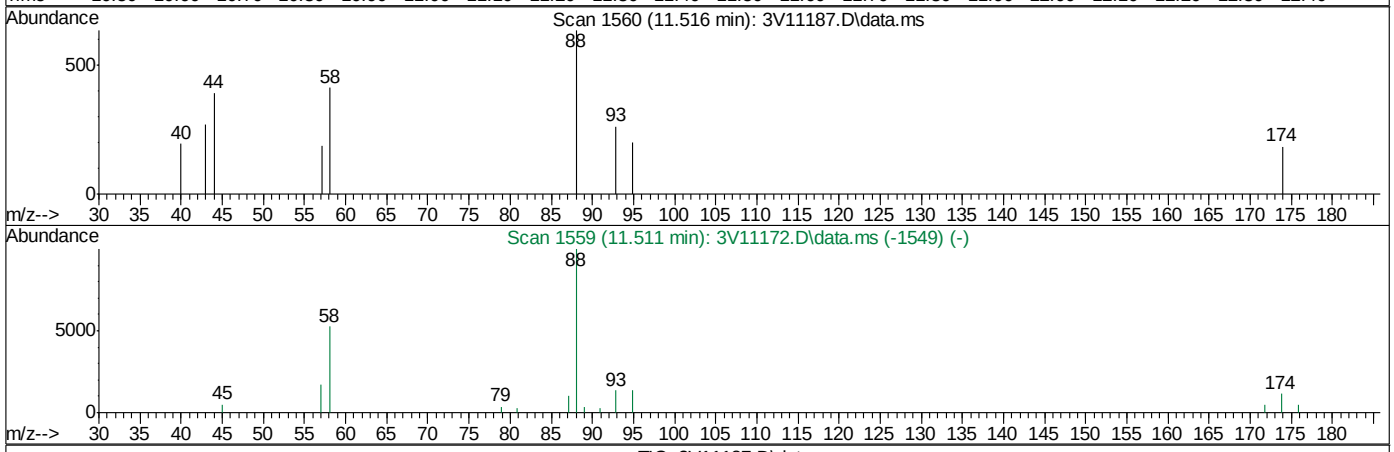
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Acetate	79-20-9		7.08	Poor instrument integration
Tert Butyl Alcohol	75-65-0		7.44	Poor instrument integration
2-Butanone (MEK)	78-93-3		9.18	Missed peak
1,4-Dioxane	123-91-1		11.52	Poor instrument integration

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

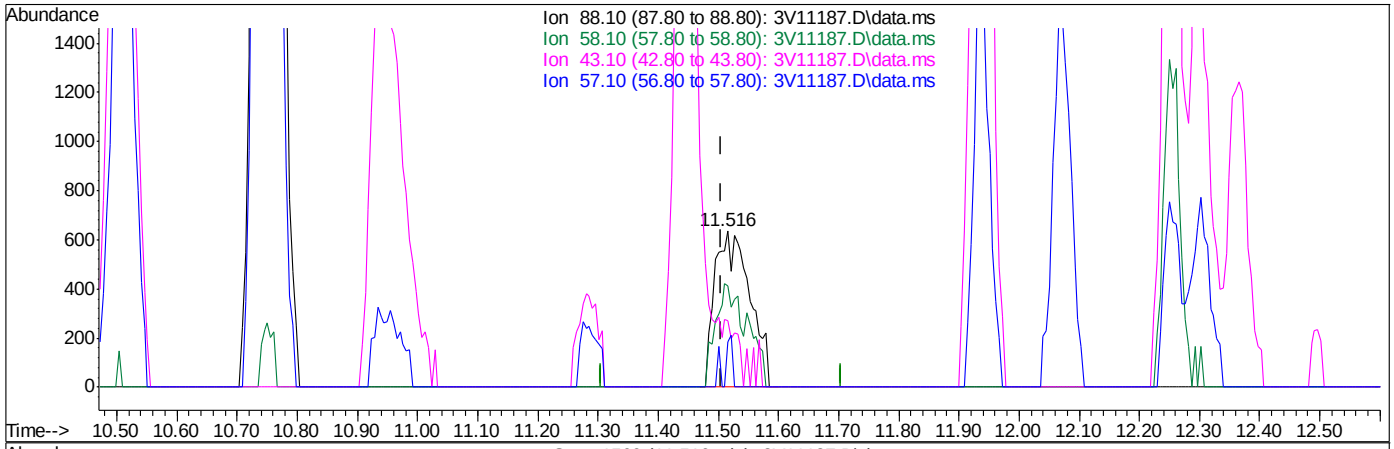
Ion	Exp%	Act%
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58.10	60.40	94.19#
43.10	0.00	0.00
57.10	22.70	0.00

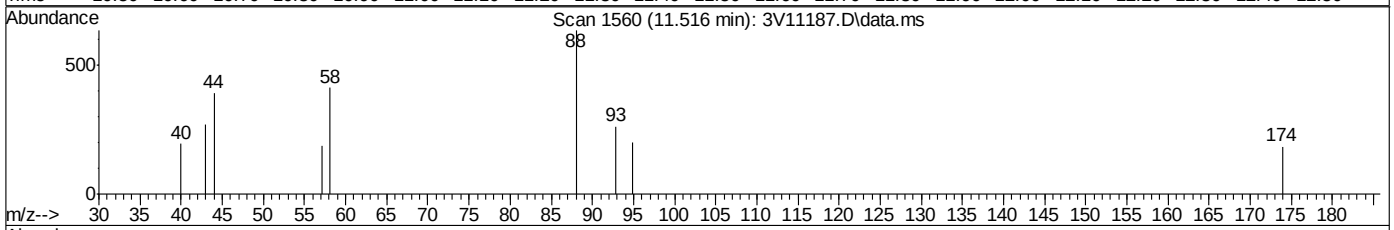
3V11187.D edits: 1,4-dioxane

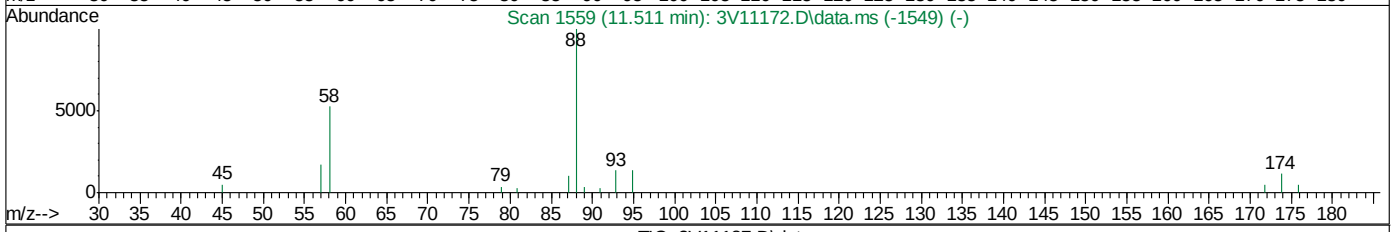
Quantitation Report (Qedit)

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
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TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 108.29ug/L m

response 2556

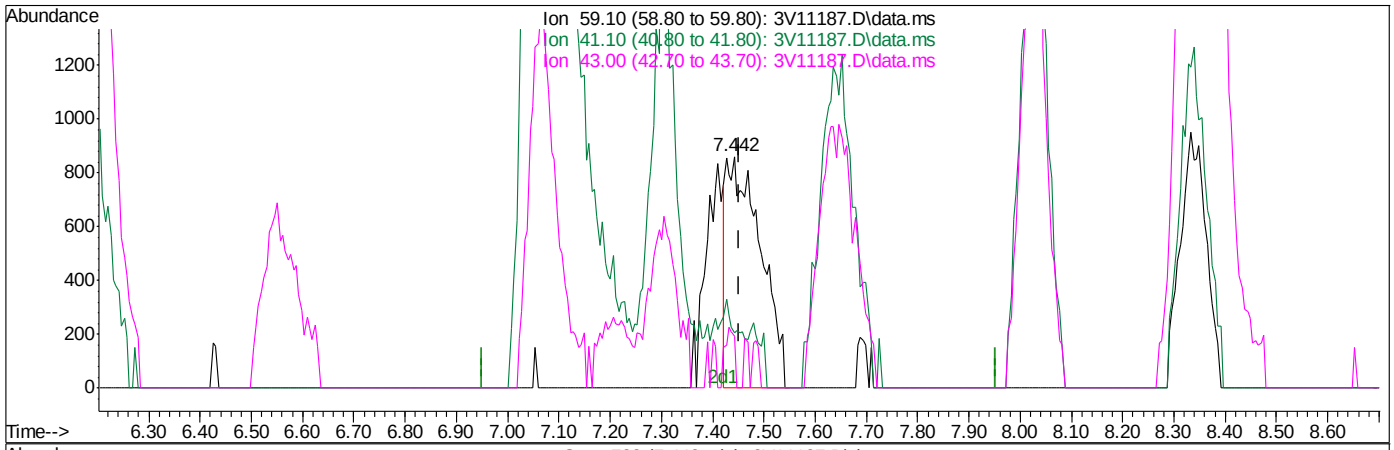
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	44.41
43.10	0.00	0.00
57.10	22.70	0.00

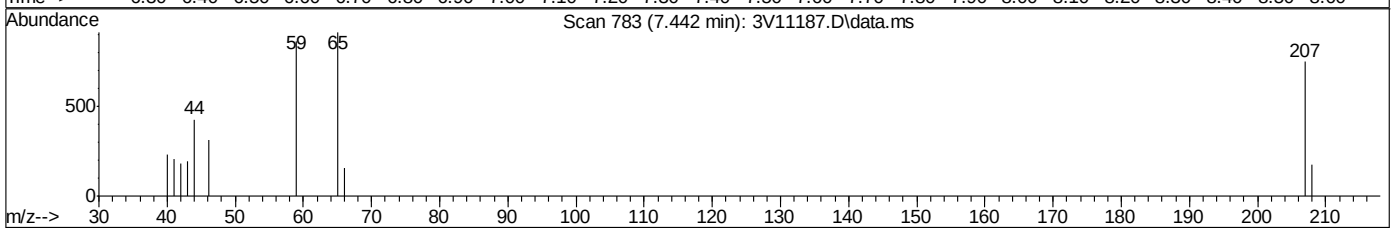
ACCUTEST LABORATORIES JB68173

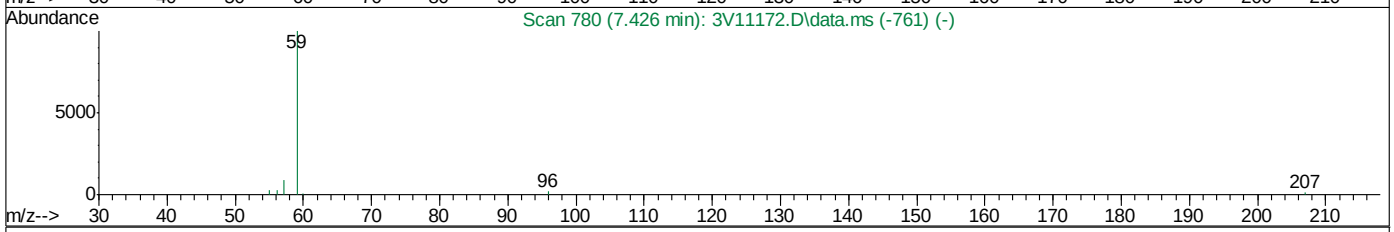
Quantitation Report (Qedit)

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Quant Method : C:\msdchem\1\METHODS\M3V474.M
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TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 16.81ug/L

response 3968

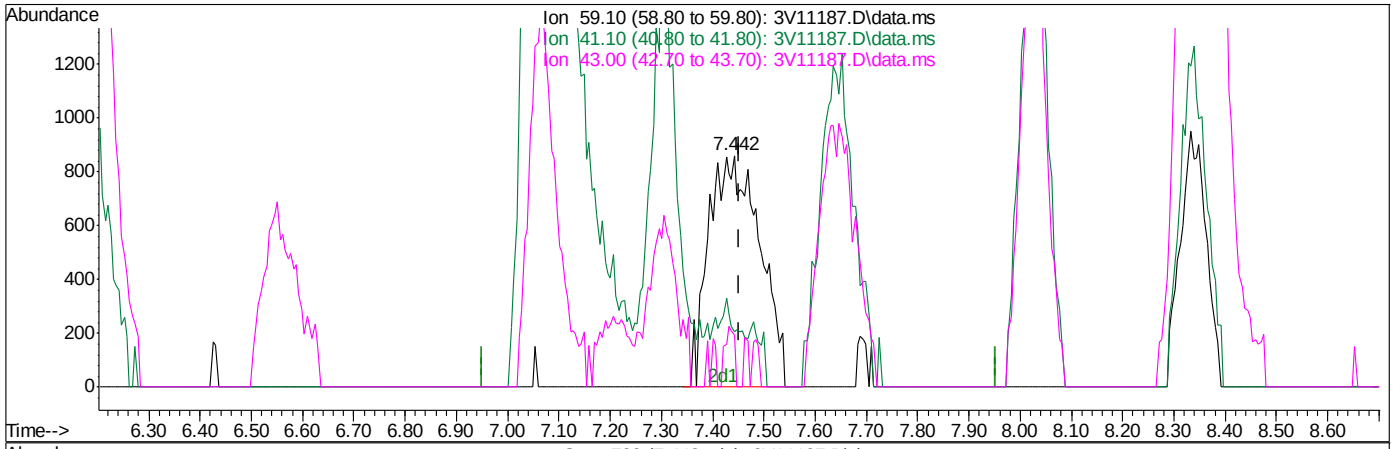
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

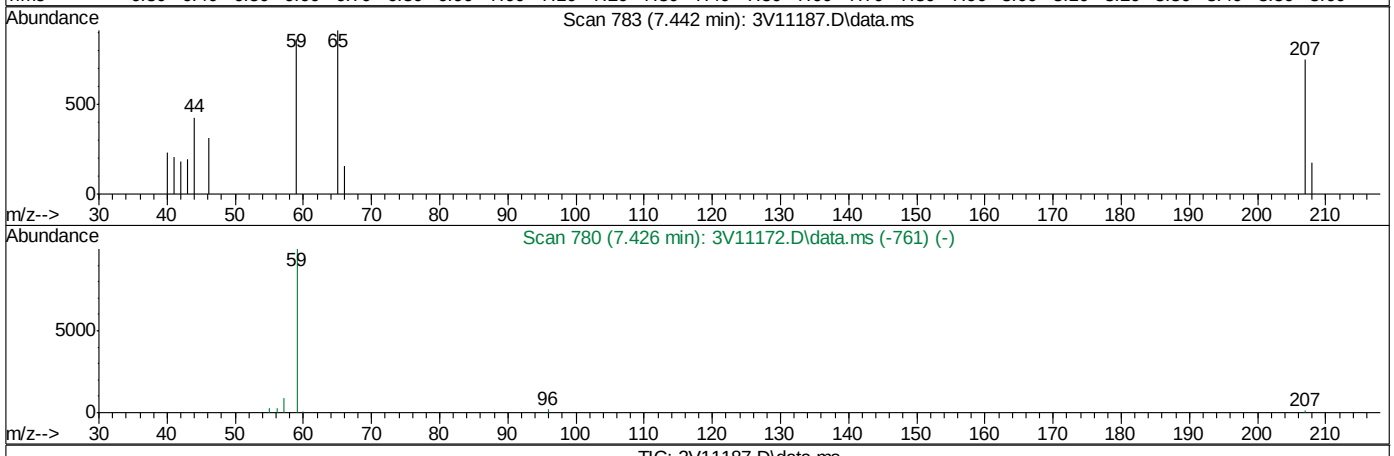
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
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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

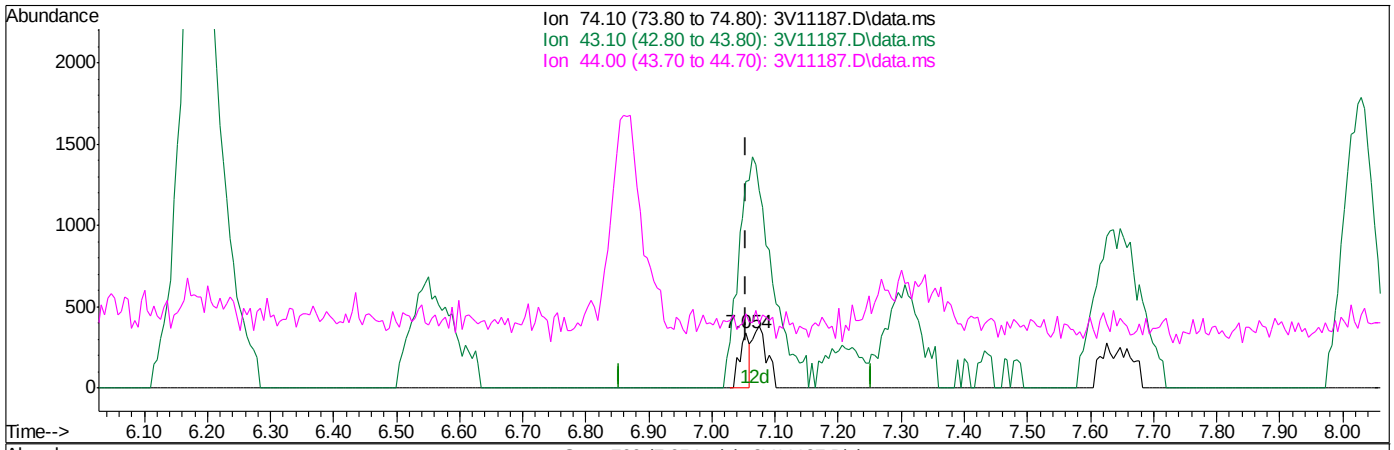
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

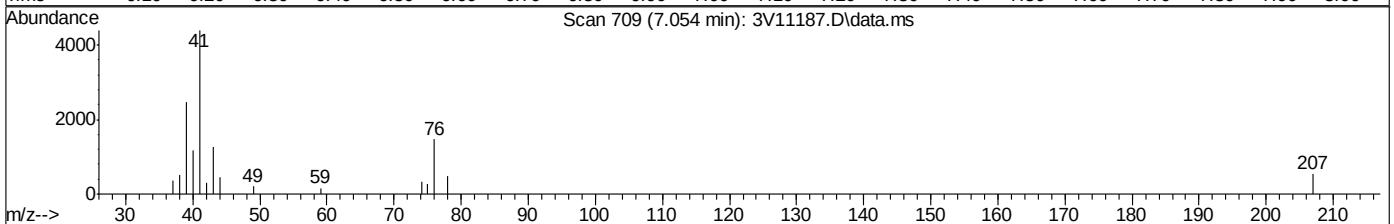
ACCUTEST LABORATORIES JB68173

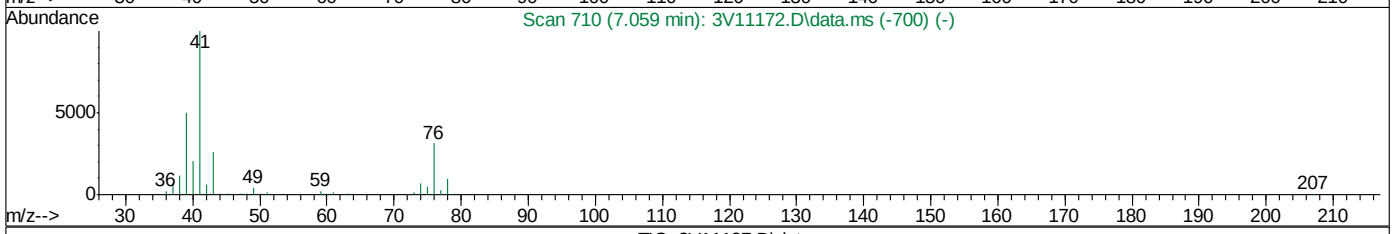
Quantitation Report (Qedit)

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

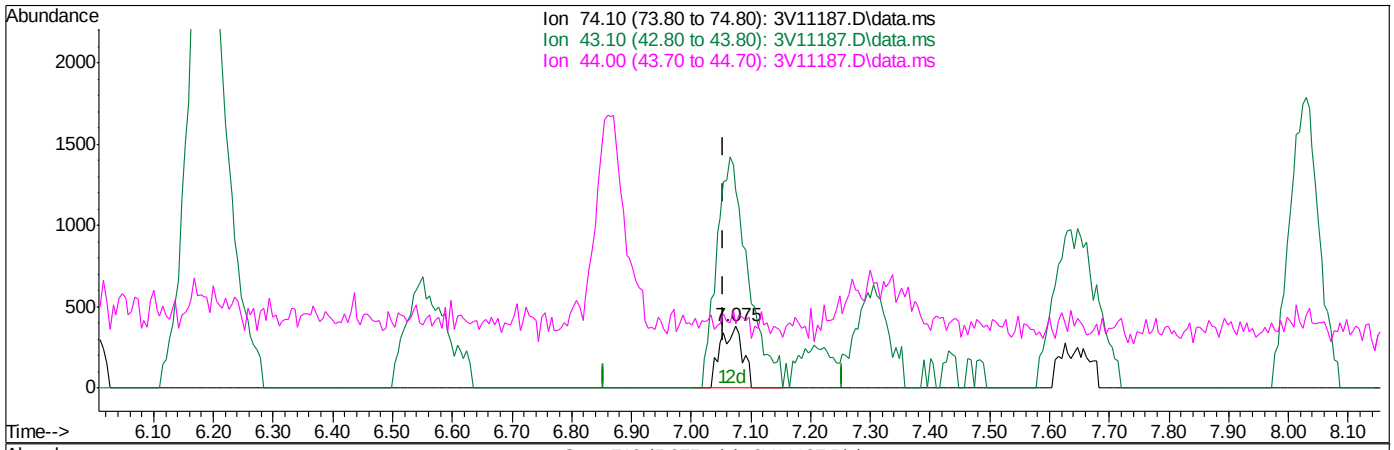
Ion	Exp%	Act%
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43.10	431.60	1333.59#
44.00	11.80	0.00
0.00	0.00	0.00

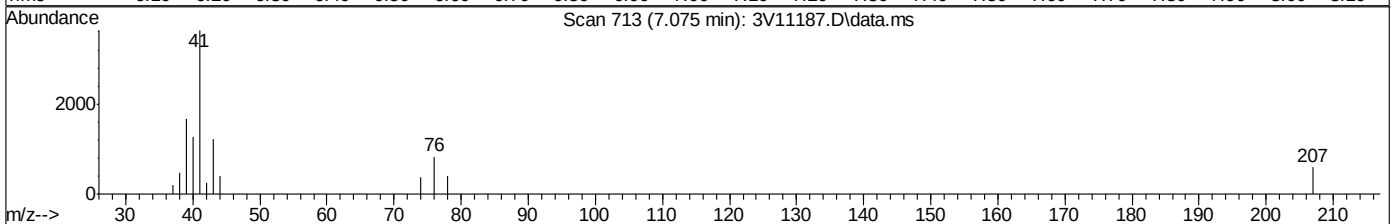
3V11187.D edits: methyl acetate

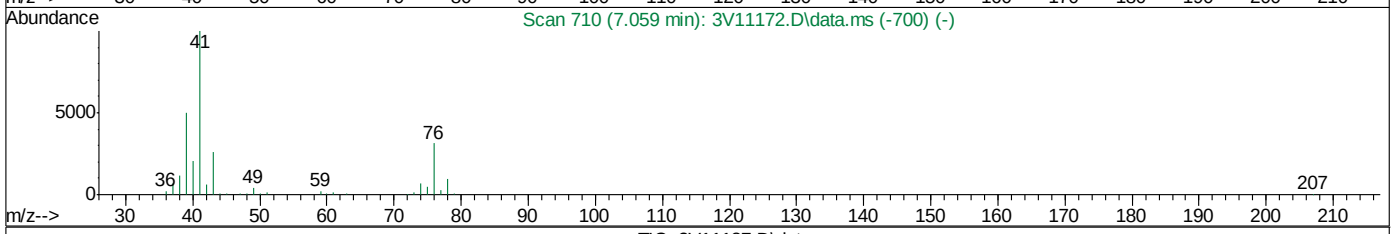
Quantitation Report (Qedit)

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

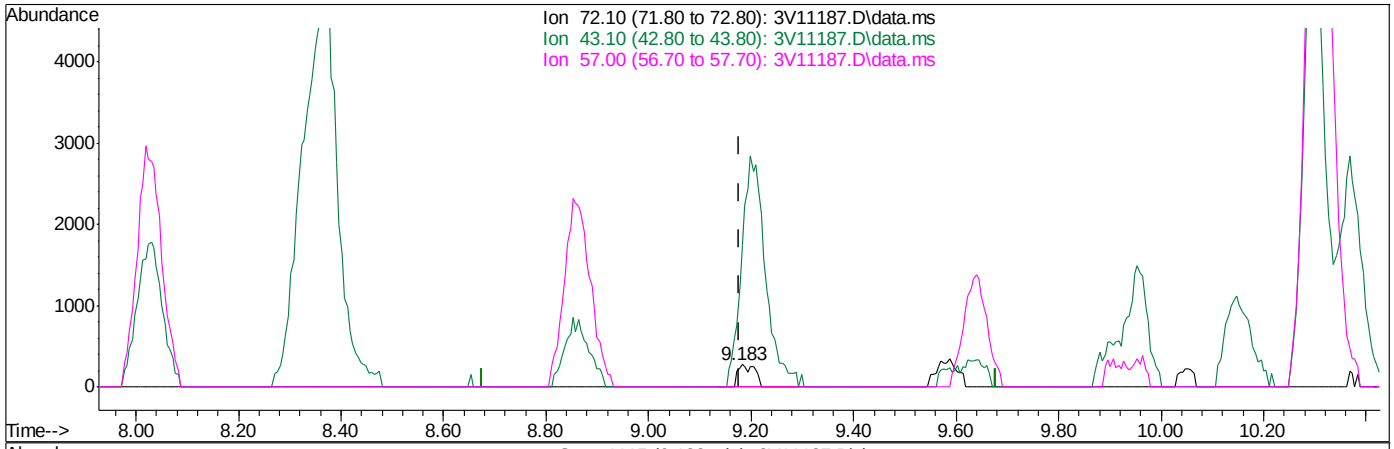
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	531.26#
44.00	11.80	0.00
0.00	0.00	0.00

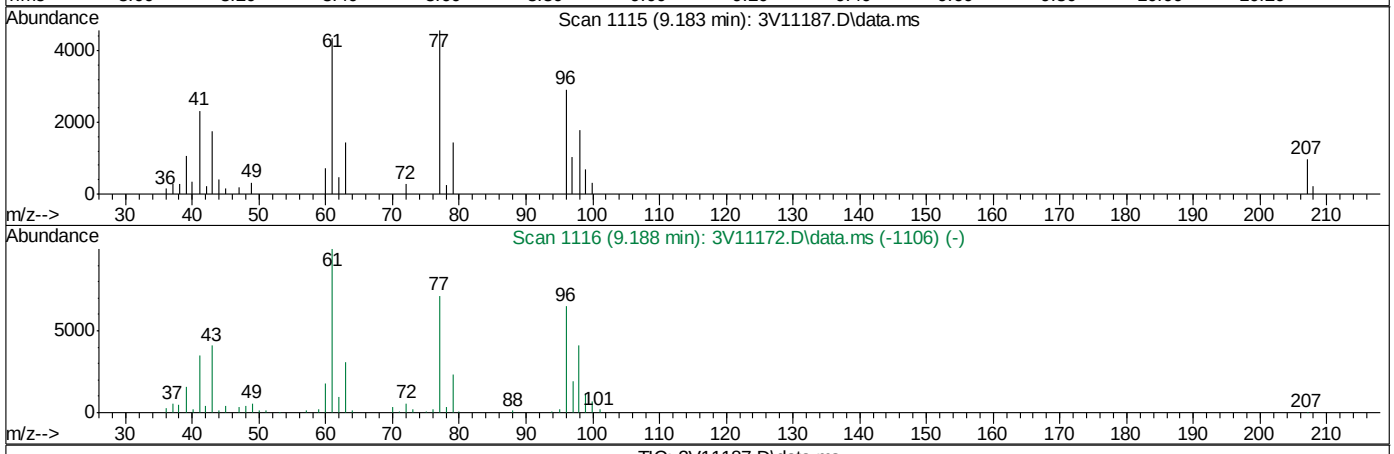
3V11187.D edits: methyl acetate

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

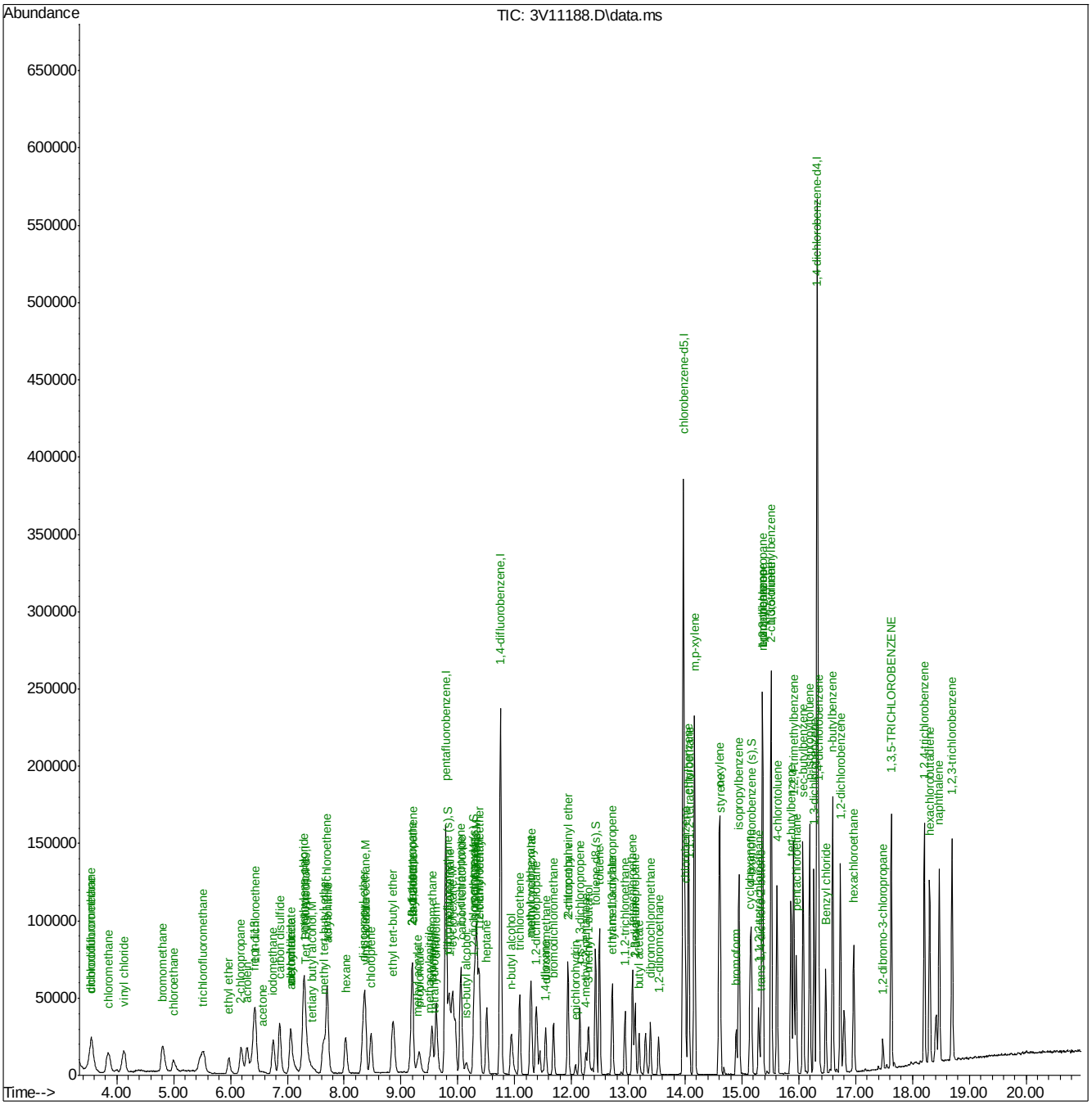
7.7.18

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

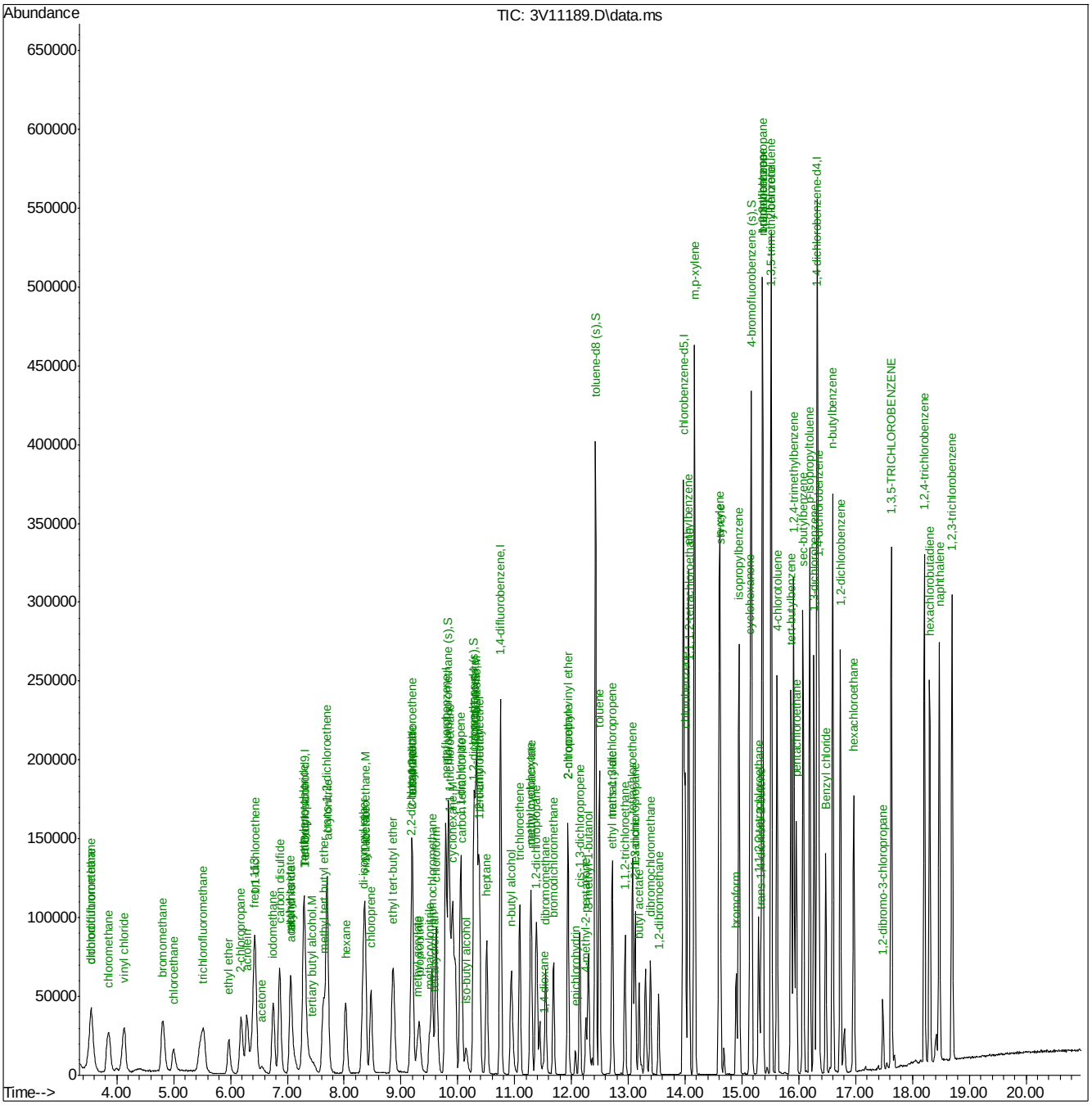
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	198743	19.00	ug/L	100
96) bromobenzene	15.359	156	53803	19.37	ug/L	98
97) cyclohexanone	15.144	55	92458	247.74	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	53202	20.35	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	11446	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

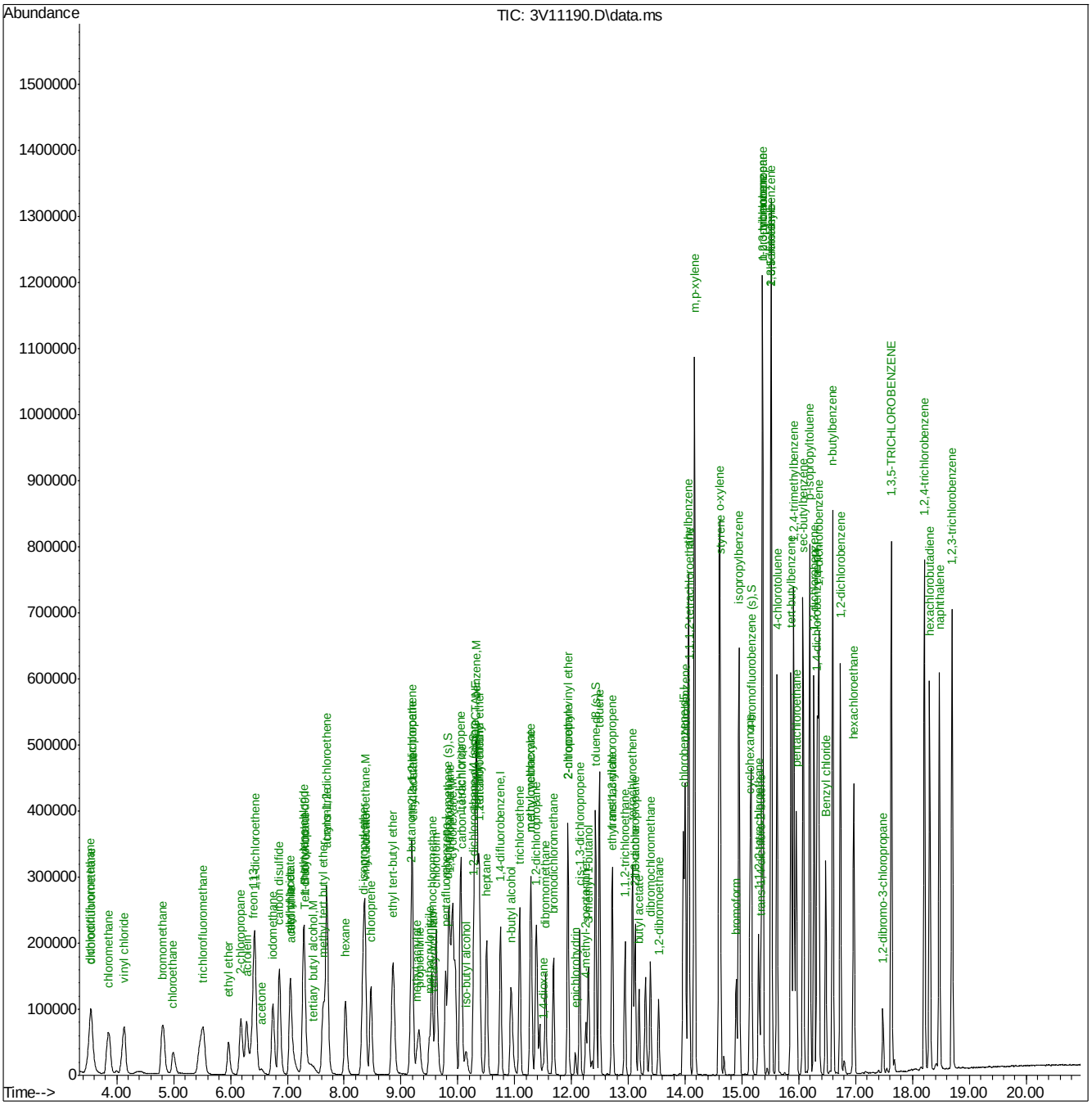
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.950	105	479873	47.15	ug/L	99
96)	bromobenzene	15.359	156	126808	46.91	ug/L	98
97)	cyclohexanone	15.144	55	148904	410.02	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	118022	46.40	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	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

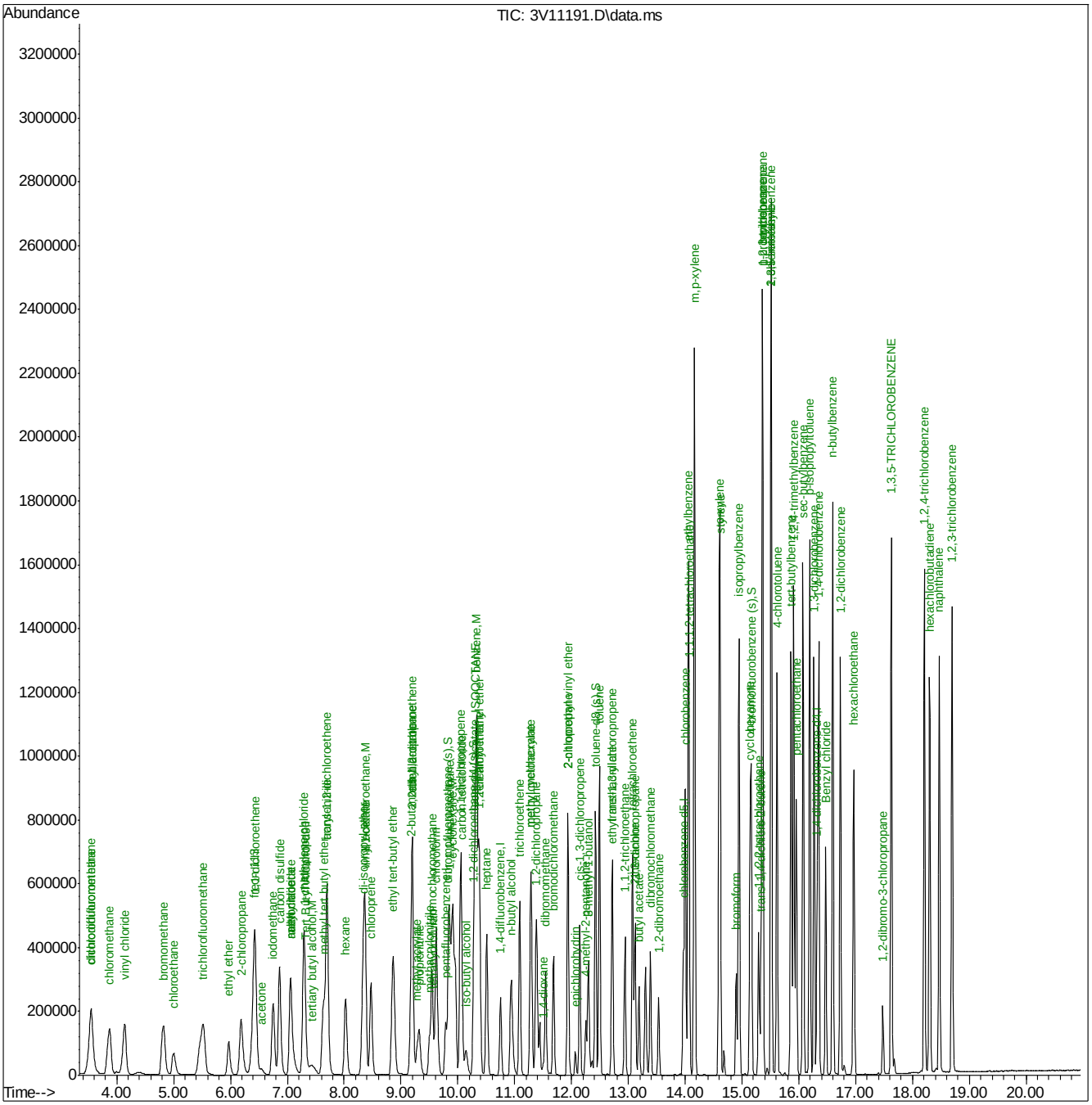
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	265833	93.70	ug/L	98
97)	cyclohexanone	15.144	55	344172	903.13	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	247154	92.60	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	53630	103.90	ug/L	100
100)	1,2,3-trichloropropane	15.364	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 JB68173

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

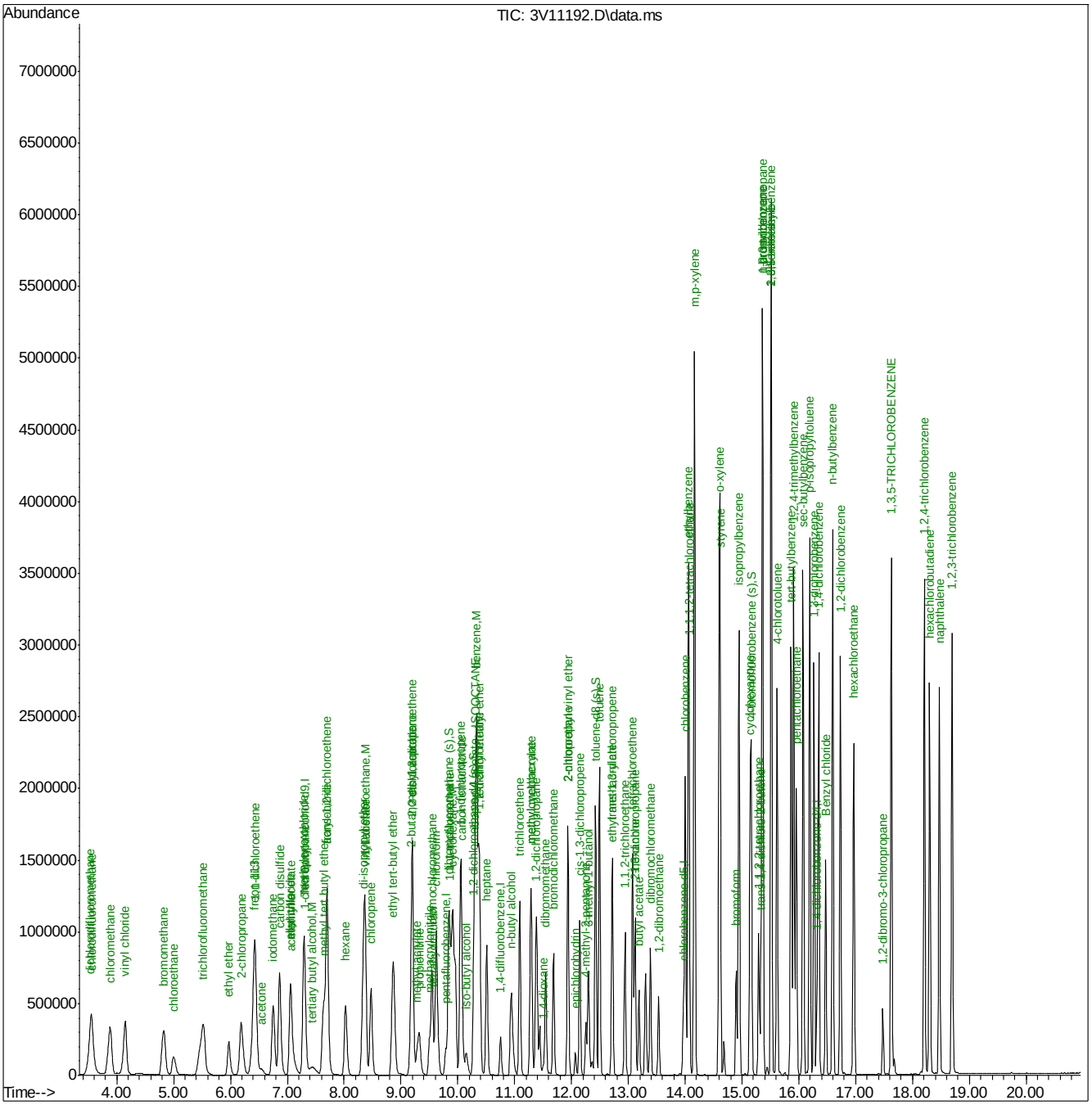
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	593579	192.69	ug/L	100
97)	cyclohexanone	15.144	55	858508	2074.67	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	556603	192.05	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	121307	216.44	ug/L	99
100)	1,2,3-trichloropropane	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 JB68173

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

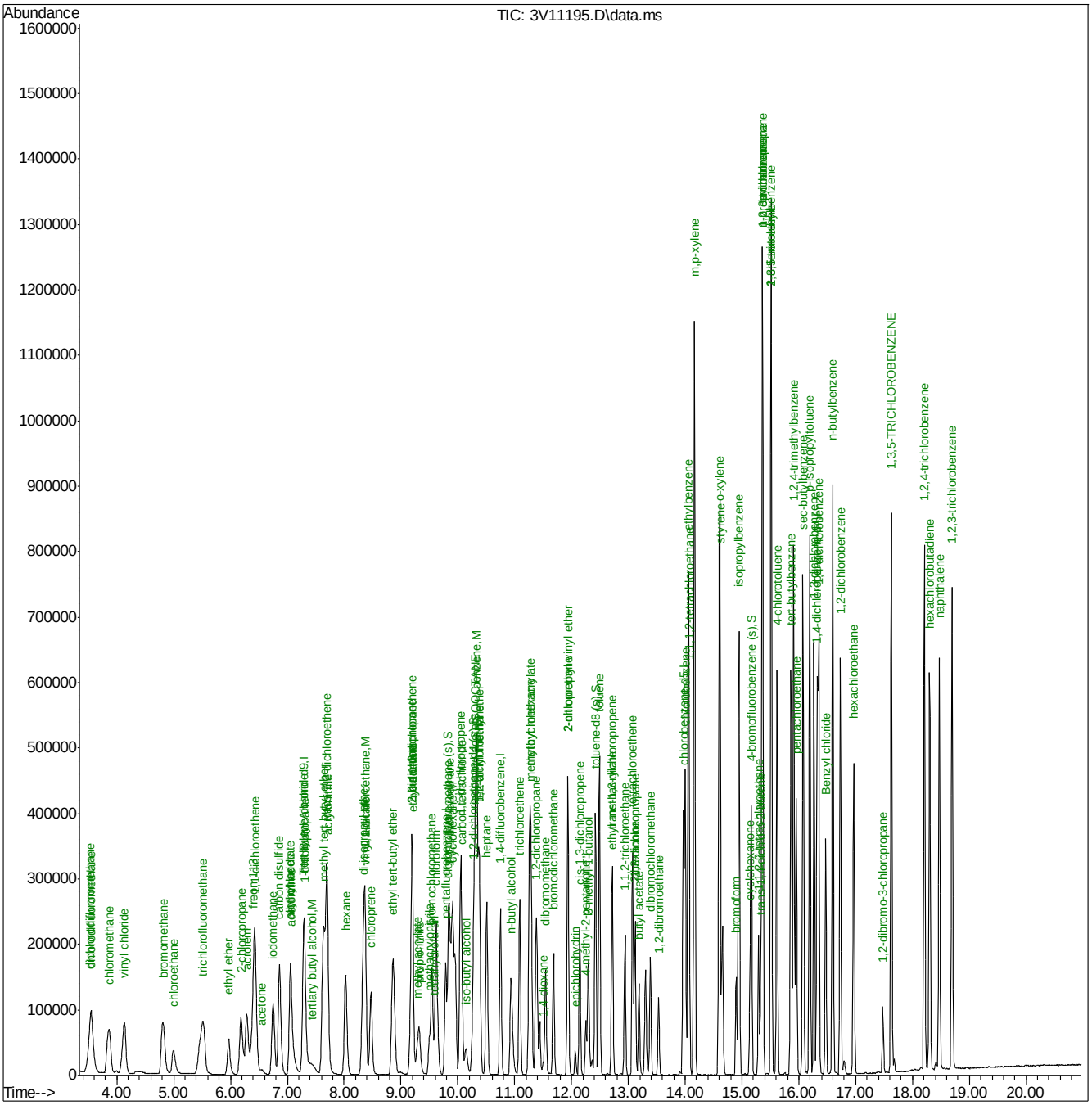
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	496313	51.49	ug/L	99
96) bromobenzene	15.359	156	131620	49.50	ug/L	99
97) cyclohexanone	15.144	55	67987	181.45	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	116808	46.91	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	25756	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



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11378.D
Acq On : 2 Jun 2014 9:23 am
Operator : thienn
Sample : cc474-20
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:56 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	88889	500.00	ug/L		-0.01
5) pentafluorobenzene	9.781	168	177193	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	255963	50.00	ug/L		0.00
79) chlorobenzene-d5	13.964	117	232109	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	145266	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	99407	44.34	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 88.68%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	85310	43.46	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 86.92%				
71) toluene-d8 (s)	12.418	98	324733	51.23	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.46%				
95) 4-bromofluorobenzene (s)	15.165	95	128784	50.56	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 101.12%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.506	88	12172	537.24	ug/L	#	98
4) tertiary butyl alcohol	7.432	59	25441	106.85	ug/L		98
6) chlorodifluoromethane	3.552	51	79801	20.65	ug/L		97
7) dichlorodifluoromethane	3.531	85	79851	16.96	ug/L		99
8) chloromethane	3.851	50	73441	18.13	ug/L		99
9) vinyl chloride	4.118	62	82803	18.99	ug/L		100
10) bromomethane	4.805	94	52944	19.12	ug/L		98
11) chloroethane	4.988	64	36679	25.48	ug/L		97
12) trichlorofluoromethane	5.513	101	95343	19.86	ug/L		99
13) ethyl ether	5.964	74	18050	20.27	ug/L		98
14) 2-chloropropane	6.179	43	77761	22.60	ug/L		99
15) acrolein	6.283	56	74154	208.19	ug/L		99
16) 1,1-dichloroethene	6.430	96	48343	20.15	ug/L		87
17) acetone	6.540	43	12665	20.19	ug/L		92
18) allyl chloride	7.049	76	22063	20.12	ug/L		98
19) acetonitrile	7.070	40	31449	202.98	ug/L	#	80
20) iodomethane	6.740	142	102843	20.53	ug/L		99
21) iso-butyl alcohol	10.137	41	12872	189.58	ug/L		95
22) carbon disulfide	6.855	76	201013	22.71	ug/L		100
23) methylene chloride	7.280	84	56087	19.91	ug/L		94
24) 1-chloropropane	7.301	42	77826	20.30	ug/L		96
25) methyl acetate	7.059	74	5108	20.40	ug/L	#	92
26) methyl tert butyl ether	7.636	73	117371	20.34	ug/L		100
27) trans-1,2-dichloroethene	7.694	96	49195	19.38	ug/L		98
28) di-isopropyl ether	8.333	45	132601	21.87	ug/L		96
29) ethyl tert-butyl ether	8.858	59	125920	20.71	ug/L		99
30) 2-butanone	9.183	72	3800	19.24	ug/L		88
31) 1,1-dichloroethane	8.354	63	85465	21.98	ug/L		97
32) chloroprene	8.465	53	57060	22.24	ug/L		96
33) acrylonitrile	7.699	53	59161	103.56	ug/L		95
34) vinyl acetate	8.370	86	4005	18.15	ug/L		99
35) ethyl acetate	9.199	45	3847	19.74	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11378.D
Acq On : 2 Jun 2014 9:23 am
Operator : thienn
Sample : cc474-20
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:56 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	9.178	77	85651	21.78	ug/L		98
37) cis-1,2-dichloroethene	9.193	96	51517	17.80	ug/L		94
38) propionitrile	9.319	54	49070	194.48	ug/L		92
39) methyl acrylate	9.277	55	31564	19.12	ug/L	#	96
40) bromochloromethane	9.539	128	23198	19.43	ug/L		92
41) tetrahydrofuran	9.571	42	10400	19.73	ug/L		97
42) chloroform	9.608	83	81377	19.27	ug/L		99
45) freon 113	6.409	151	45262	21.15	ug/L		98
46) methacrylonitrile	9.497	41	15933	19.46	ug/L		99
47) 1,1,1-trichloroethane	9.849	97	83312	21.20	ug/L		97
48) tert-amyl methyl ether	10.368	73	118081	19.44	ug/L		97
50) epichlorohydrin	12.067	57	14356	100.64	ug/L		98
51) n-butyl alcohol	10.939	56	56283	979.52	ug/L		99
52) cyclohexane	9.906	84	78555	23.53	ug/L		93
53) carbon tetrachloride	10.058	117	75594	22.34	ug/L		98
54) 1,1-dichloropropene	10.043	75	59205	22.28	ug/L		99
55) hexane	8.019	57	53377	25.24	ug/L		97
56) ISOOCTANE	10.310	57	170268	22.60	ug/L		99
57) benzene	10.326	78	173672	21.77	ug/L		98
58) heptane	10.509	57	32273	25.02	ug/L		97
59) isopropyl acetate	10.294	43	80574	21.40	ug/L		98
60) 1,2-dichloroethane	10.373	62	47486	21.22	ug/L		97
61) trichloroethene	11.086	95	44971	21.59	ug/L		98
63) 2-nitropropane	11.930	43	63149	23.72	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	94605	129.35	ug/L		99
65) methyl methacrylate	11.285	41	31755	24.02	ug/L		93
66) 1,2-dichloropropane	11.369	63	42401	22.11	ug/L		95
67) methylcyclohexane	11.285	83	80626	23.47	ug/L		98
68) dibromomethane	11.542	93	24988	20.72	ug/L		98
69) bromodichloromethane	11.684	83	52200	20.46	ug/L		97
70) cis-1,3-dichloropropene	12.145	75	60319	21.27	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	11744	19.93	ug/L		97
73) toluene	12.491	92	96010	20.62	ug/L		98
74) 3-methyl-1-butanol	12.297	70	18513	369.39	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	51906	21.51	ug/L		97
76) ethyl methacrylate	12.711	69	35508	19.76	ug/L		99
77) 1,1,2-trichloroethane	12.942	83	27176	20.84	ug/L		98
78) 2-hexanone	13.115	58	10534	19.58	ug/L		97
80) tetrachloroethene	13.073	166	46530	21.60	ug/L		99
81) 1,3-dichloropropane	13.120	76	47405	21.75	ug/L		99
82) butyl acetate	13.189	56	19004	21.15	ug/L		97
83) dibromochloromethane	13.388	129	41266	20.69	ug/L		97
84) 1,2-dibromoethane	13.535	107	32878	21.11	ug/L		100
86) chlorobenzene	13.996	112	114234	21.84	ug/L		98
87) 1,1,1,2-tetrachloroethane	14.069	131	45605	21.28	ug/L		99
88) ethylbenzene	14.054	91	199348	21.87	ug/L		99
89) m,p-xylene	14.164	106	151255	42.33	ug/L		100
90) o-xylene	14.599	106	76282	21.98	ug/L		99
91) styrene	14.615	104	118982	22.46	ug/L		99
92) bromoform	14.898	173	29348	20.14	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11378.D
Acq On : 2 Jun 2014 9:23 am
Operator : thienn
Sample : cc474-20
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:56 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

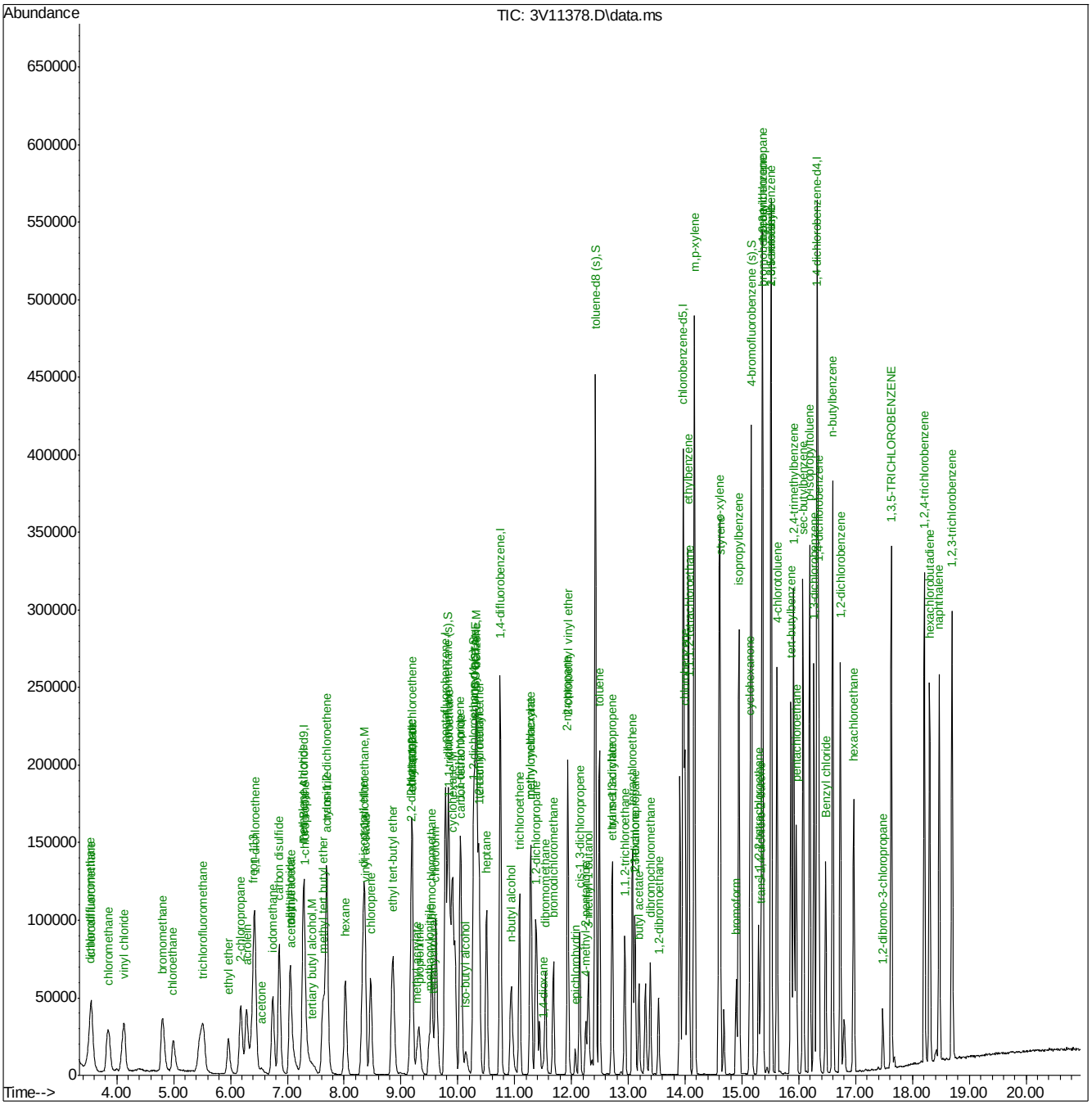
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	207218	22.57	ug/L	99
96) bromobenzene	15.359	156	55112	21.76	ug/L	96
97) cyclohexanone	15.144	55	67129	188.10	ug/L	98
98) 1,1,2,2-tetrachloroethane	15.291	83	52910	22.31	ug/L	95
99) trans-1,4-dichloro-2-b...	15.333	53	11497	21.70	ug/L	96
100) 1,2,3-trichloropropane	15.364	110	11005	21.55	ug/L	95
101) n-propylbenzene	15.364	91	257008	23.21	ug/L	99
102) 2-chlorotoluene	15.511	126	54909	23.06	ug/L	96
103) 4-chlorotoluene	15.616	91	152996	22.29	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	179042	22.49	ug/L	100
105) tert-butylbenzene	15.862	119	133940	20.45	ug/L	99
106) pentachloroethane	15.957	167	34188	20.03	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	176885	21.01	ug/L	98
108) sec-butylbenzene	16.072	105	244640	22.40	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	113377	21.14	ug/L	98
110) p-isopropyltoluene	16.193	119	205613	22.77	ug/L	98
111) 1,4-dichlorobenzene	16.350	146	114464	21.15	ug/L	98
112) 1,2-dichlorobenzene	16.733	146	110227	20.81	ug/L	99
113) n-butylbenzene	16.596	92	119089	23.08	ug/L	98
114) 1,2-dibromo-3-chloropr...	17.477	75	9863	18.56	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	108600	20.49	ug/L	100
116) 1,2,4-trichlorobenzene	18.206	180	100341	20.22	ug/L	99
117) hexachlorobutadiene	18.300	225	55336	21.41	ug/L	99
118) naphthalene	18.468	128	190079	19.22	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	93388	20.13	ug/L	100
120) hexachloroethane	16.964	119	39415	20.20	ug/L	98
121) Benzyl chloride	16.471	91	98195	20.92	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11378.D
Acq On : 2 Jun 2014 9:23 am
Operator : thienn
Sample : cc474-20
Misc : MS68345,V3V484,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 16:22:56 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 JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11407.D
Acq On : 3 Jun 2014 2:40 pm
Operator : thienn
Sample : cc474-50
Misc : MS68397,V3V485,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:45:03 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	92946	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	189636	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	273475	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	242192	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150843	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	105903	44.14	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 88.28%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	90706	43.18	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 86.36%			
71) toluene-d8 (s)	12.418	98	344291	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.66%			
95) 4-bromofluorobenzene (s)	15.165	95	137962	52.16	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 104.32%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	33923	1431.90	ug/L #	98
4) tertiary butyl alcohol	7.437	59	69370	278.64	ug/L	97
6) chlorodifluoromethane	3.562	51	198592	55.11	ug/L	99
7) dichlorodifluoromethane	3.541	85	276290	54.85	ug/L	100
8) chloromethane	3.871	50	280566	64.71	ug/L	99
9) vinyl chloride	4.139	62	286139	61.31	ug/L	100
10) bromomethane	4.820	94	180036	60.75	ug/L	97
11) chloroethane	5.004	64	100233	65.07	ug/L	99
12) trichlorofluoromethane	5.523	101	273179	53.16	ug/L	100
13) ethyl ether	5.969	74	50715	53.21	ug/L	97
14) 2-chloropropane	6.189	43	199828	54.26	ug/L	98
15) acrolein	6.288	56	217160	569.67	ug/L	98
16) 1,1-dichloroethene	6.435	96	125967	49.06	ug/L	95
17) acetone	6.551	43	28312	42.18	ug/L	95
18) allyl chloride	7.054	76	55591	47.36	ug/L	92
19) acetonitrile	7.070	40	82602	498.15	ug/L	89
20) iodomethane	6.750	142	278736	51.98	ug/L	99
21) iso-butyl alcohol	10.147	41	37511	516.21	ug/L	99
22) carbon disulfide	6.865	76	517271	54.61	ug/L	99
23) methylene chloride	7.290	84	144364	47.89	ug/L	96
24) 1-chloropropane	7.306	42	190733	46.48	ug/L	99
25) methyl acetate	7.064	74	13844	51.67	ug/L	92
26) methyl tert butyl ether	7.641	73	330250	53.48	ug/L	100
27) trans-1,2-dichloroethene	7.699	96	129693	47.74	ug/L	98
28) di-isopropyl ether	8.333	45	363225	55.99	ug/L	98
29) ethyl tert-butyl ether	8.863	59	385671	59.27	ug/L	98
30) 2-butanone	9.177	72	11198	52.98	ug/L	84
31) 1,1-dichloroethane	8.365	63	225143	54.11	ug/L	99
32) chloroprene	8.475	53	149269	54.37	ug/L	99
33) acrylonitrile	7.704	53	163028	266.65	ug/L	98
34) vinyl acetate	8.365	86	11747	49.73	ug/L	38
35) ethyl acetate	9.198	45	11913	57.12	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11407.D
Acq On : 3 Jun 2014 2:40 pm
Operator : thienn
Sample : cc474-50
Misc : MS68397,V3V485,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:45:03 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	206899	49.15	ug/L		98
37) cis-1,2-dichloroethene	9.198	96	146669	47.35	ug/L		96
38) propionitrile	9.319	54	147883	547.65	ug/L		94
39) methyl acrylate	9.282	55	98383	55.70	ug/L	#	97
40) bromochloromethane	9.544	128	68663	53.74	ug/L		92
41) tetrahydrofuran	9.571	42	32198	57.09	ug/L		95
42) chloroform	9.613	83	233456	51.66	ug/L		98
45) freon 113	6.414	151	111975	48.88	ug/L		98
46) methacrylonitrile	9.497	41	50651	57.81	ug/L		92
47) 1,1,1-trichloroethane	9.854	97	220894	52.51	ug/L		98
48) tert-amyl methyl ether	10.368	73	355005	54.61	ug/L		97
50) epichlorohydrin	12.066	57	40219	263.88	ug/L		97
51) n-butyl alcohol	10.934	56	178432	2906.50	ug/L		98
52) cyclohexane	9.906	84	203667	57.10	ug/L		96
53) carbon tetrachloride	10.063	117	197821	54.73	ug/L		98
54) 1,1-dichloropropene	10.043	75	162821	57.34	ug/L		98
55) hexane	8.024	57	121496	53.77	ug/L		99
56) ISOOCTANE	10.310	57	478955	59.49	ug/L		100
57) benzene	10.331	78	480594	56.39	ug/L		98
58) heptane	10.509	57	72454	52.57	ug/L		99
59) isopropyl acetate	10.294	43	237067	58.93	ug/L		98
60) 1,2-dichloroethane	10.373	62	137720	57.61	ug/L		99
61) trichloroethene	11.086	95	123356	55.44	ug/L		95
63) 2-nitropropane	11.935	43	190942	67.12	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	286184	366.23	ug/L		99
65) methyl methacrylate	11.285	41	84719	59.99	ug/L		95
66) 1,2-dichloropropane	11.374	63	120578	58.84	ug/L		96
67) methylcyclohexane	11.285	83	211276	57.56	ug/L		97
68) dibromomethane	11.542	93	73104	56.74	ug/L		98
69) bromodichloromethane	11.684	83	156269	57.34	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	174312	57.52	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	36696	58.29	ug/L		95
73) toluene	12.491	92	261488	52.56	ug/L		99
74) 3-methyl-1-butanol	12.297	70	58518	1092.86	ug/L		95
75) trans-1,3-dichloropropene	12.722	75	149124	57.85	ug/L		99
76) ethyl methacrylate	12.711	69	110762	57.68	ug/L		95
77) 1,1,2-trichloroethane	12.937	83	79511	57.08	ug/L		99
78) 2-hexanone	13.115	58	31999	55.66	ug/L		97
80) tetrachloroethene	13.078	166	123379	54.90	ug/L		98
81) 1,3-dichloropropane	13.120	76	137724	60.56	ug/L		100
82) butyl acetate	13.188	56	56687	60.45	ug/L		93
83) dibromochloromethane	13.388	129	121736	58.48	ug/L		97
84) 1,2-dibromoethane	13.534	107	96738	59.52	ug/L		99
86) chlorobenzene	13.996	112	313210	57.38	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.069	131	131712	58.89	ug/L		99
88) ethylbenzene	14.053	91	537156	56.46	ug/L		99
89) m,p-xylene	14.164	106	406664	109.07	ug/L		98
90) o-xylene	14.599	106	216188	59.70	ug/L		98
91) styrene	14.614	104	342072	61.89	ug/L		99
92) bromoform	14.898	173	88523	58.23	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11407.D
Acq On : 3 Jun 2014 2:40 pm
Operator : thienn
Sample : cc474-50
Misc : MS68397,V3V485,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:45:03 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

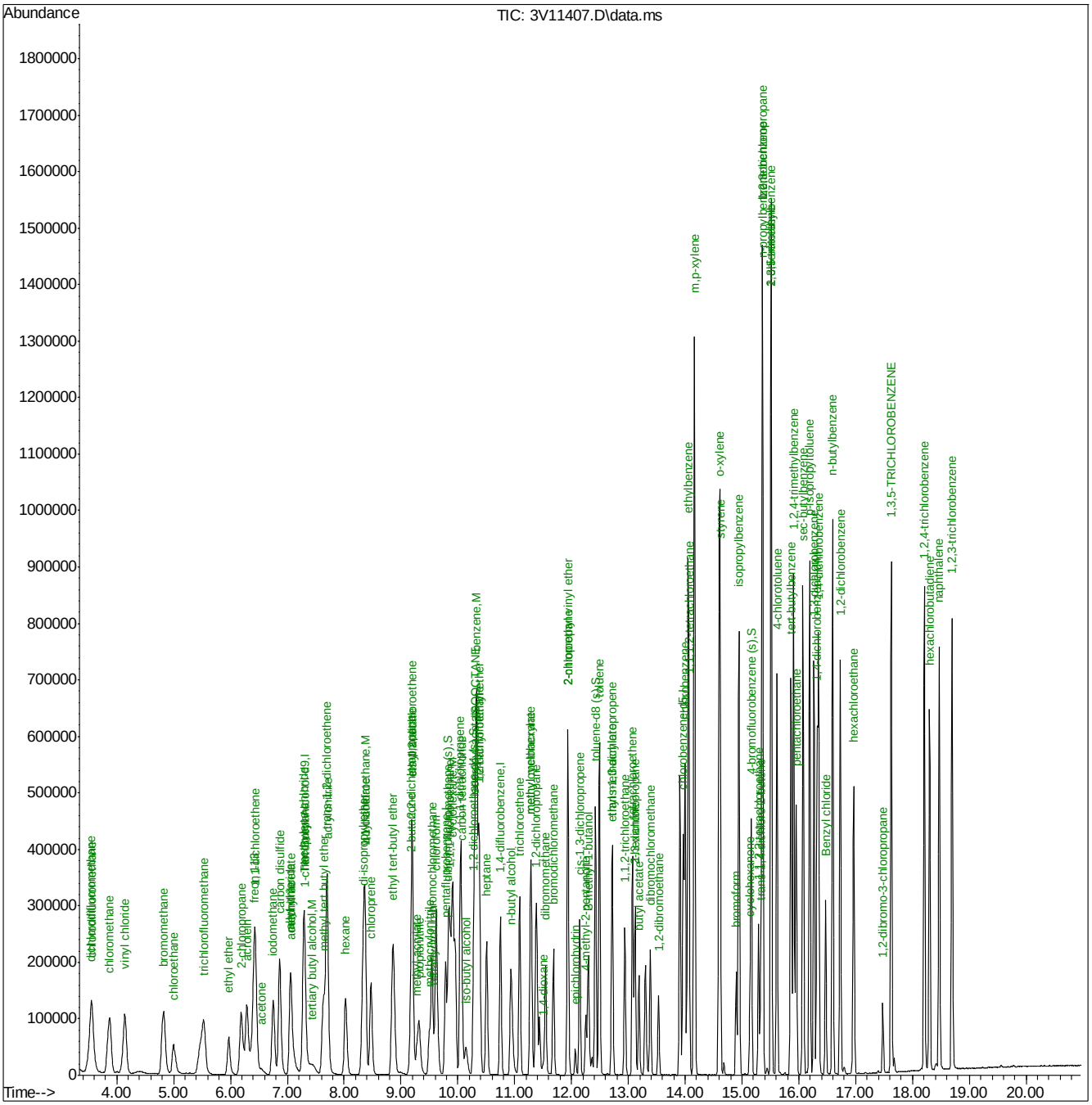
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	568398	59.62	ug/L	98
96)	bromobenzene	15.359	156	153496	58.37	ug/L	98
97)	cyclohexanone	15.144	55	64269	173.43	ug/L	98
98)	1,1,2,2-tetrachloroethane	15.291	83	149500	60.71	ug/L	98
99)	trans-1,4-dichloro-2-b...	15.333	53	31607	57.46	ug/L	95
100)	1,2,3-trichloropropane	15.359	110	30855	58.18	ug/L	100
101)	n-propylbenzene	15.364	91	677760	58.95	ug/L	100
102)	2-chlorotoluene	15.516	126	146509	59.26	ug/L	100
103)	4-chlorotoluene	15.616	91	411631	57.77	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	498395	60.29	ug/L	100
105)	tert-butylbenzene	15.862	119	393980	57.93	ug/L	99
106)	pentachloroethane	15.957	167	102498	57.84	ug/L	98
107)	1,2,4-trimethylbenzene	15.909	105	503192	57.55	ug/L	99
108)	sec-butylbenzene	16.072	105	666018	58.74	ug/L	100
109)	1,3-dichlorobenzene	16.266	146	308895	55.47	ug/L	99
110)	p-isopropyltoluene	16.193	119	556559	59.34	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	307005	54.62	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	308686	56.13	ug/L	99
113)	n-butylbenzene	16.596	92	305460	57.01	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.477	75	29289	53.09	ug/L	98
115)	1,3,5-TRICHLOROBENZENE	17.624	180	293878	53.39	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	276450	53.64	ug/L	99
117)	hexachlorobutadiene	18.300	225	146013	54.41	ug/L	98
118)	naphthalene	18.468	128	576116	56.09	ug/L	100
119)	1,2,3-trichlorobenzene	18.694	180	266916	55.40	ug/L	100
120)	hexachloroethane	16.963	119	116096	57.29	ug/L	99
121)	Benzyl chloride	16.470	91	215895	44.30	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11407.D
Acq On : 3 Jun 2014 2:40 pm
Operator : thienn
Sample : cc474-50
Misc : MS68397,V3V485,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:45:03 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 JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11417.D
Acq On : 4 Jun 2014 10:34 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 15:44:50 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	114399	500.00	ug/L		-0.01
5) pentafluorobenzene	9.780	168	174847	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.745	114	253817	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	235418	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	148348	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.828	113	99909	45.16	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 90.32%				
44) 1,2-dichloroethane-d4 (s)	10.273	65	91263	47.12	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.24%				
71) toluene-d8 (s)	12.418	98	323426	51.45	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 102.90%				
95) 4-bromofluorobenzene (s)	15.165	95	138844	53.38	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 106.76%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.516	88	10349	354.92	ug/L	#	97
4) tertiary butyl alcohol	7.447	59	29434	96.06	ug/L		93
6) chlorodifluoromethane	3.546	51	68191	17.16	ug/L		98
7) dichlorodifluoromethane	3.531	85	92508	19.92	ug/L		99
8) chloromethane	3.856	50	86032	21.52	ug/L		98
9) vinyl chloride	4.123	62	93377	21.70	ug/L		98
10) bromomethane	4.810	94	58284	21.33	ug/L		99
11) chloroethane	4.994	64	33082	23.29	ug/L		99
12) trichlorofluoromethane	5.518	101	96863	20.44	ug/L		100
13) ethyl ether	5.969	74	19326	21.99	ug/L		94
14) 2-chloropropane	6.184	43	77708	22.89	ug/L		99
15) acrolein	6.289	56	89416	254.40	ug/L		98
16) 1,1-dichloroethene	6.430	96	45149	19.07	ug/L		93
17) acetone	6.540	43	13933	22.51	ug/L		97
18) allyl chloride	7.054	76	21324	19.70	ug/L	#	84
19) acetonitrile	7.065	40	36157	236.50	ug/L		88
20) iodomethane	6.745	142	96927	19.61	ug/L		99
21) iso-butyl alcohol	10.137	41	16085	240.08	ug/L		96
22) carbon disulfide	6.860	76	186425	21.34	ug/L		97
23) methylene chloride	7.285	84	56206	20.22	ug/L		92
24) 1-chloropropane	7.300	42	82031	21.68	ug/L		96
25) methyl acetate	7.054	74	5510	22.30	ug/L	#	78
26) methyl tert butyl ether	7.636	73	129408	22.73	ug/L		99
27) trans-1,2-dichloroethene	7.694	96	47512	18.97	ug/L		95
28) di-isopropyl ether	8.333	45	132828	22.21	ug/L		96
29) ethyl tert-butyl ether	8.852	59	127301	21.22	ug/L		98
30) 2-butanone	9.188	72	4088	20.98	ug/L		70
31) 1,1-dichloroethane	8.360	63	86284	22.49	ug/L		97
32) chloroprene	8.470	53	52809	20.86	ug/L		97
33) acrylonitrile	7.699	53	70298	124.71	ug/L		99
34) vinyl acetate	8.365	86	4242	19.48	ug/L		86
35) ethyl acetate	9.198	45	4312	22.42	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11417.D
Acq On : 4 Jun 2014 10:34 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 15:44:50 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	82014	21.13	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	50092	17.54	ug/L		93
38) propionitrile	9.314	54	59303	238.19	ug/L		92
39) methyl acrylate	9.277	55	37835	23.23	ug/L	#	95
40) bromochloromethane	9.539	128	23907	20.29	ug/L		88
41) tetrahydrofuran	9.571	42	13095	25.18	ug/L		95
42) chloroform	9.613	83	81292	19.51	ug/L		97
45) freon 113	6.404	151	39331	18.62	ug/L		96
46) methacrylonitrile	9.497	41	19327	23.92	ug/L		87
47) 1,1,1-trichloroethane	9.854	97	80720	20.81	ug/L		97
48) tert-amyl methyl ether	10.368	73	119317	19.91	ug/L		97
50) epichlorohydrin	12.066	57	16241	114.81	ug/L		98
51) n-butyl alcohol	10.934	56	67501	1184.69	ug/L		95
52) cyclohexane	9.901	84	75245	22.73	ug/L		96
53) carbon tetrachloride	10.058	117	72113	21.49	ug/L		99
54) 1,1-dichloropropene	10.043	75	57443	21.80	ug/L		98
55) hexane	8.024	57	47719	22.75	ug/L		99
56) ISOOCTANE	10.305	57	154416	20.67	ug/L		97
57) benzene	10.326	78	169704	21.45	ug/L		99
58) heptane	10.504	57	28257	22.09	ug/L		97
59) isopropyl acetate	10.294	43	83982	22.49	ug/L		98
60) 1,2-dichloroethane	10.373	62	50088	22.57	ug/L		98
61) trichloroethene	11.086	95	43697	21.16	ug/L		98
63) 2-nitropropane	11.935	43	69808	26.44	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	101456	139.89	ug/L		97
65) methyl methacrylate	11.280	41	30821	23.51	ug/L		90
66) 1,2-dichloropropane	11.374	63	43516	22.88	ug/L		95
67) methylcyclohexane	11.285	83	72955	21.42	ug/L		96
68) dibromomethane	11.542	93	25823	21.60	ug/L		99
69) bromodichloromethane	11.684	83	55262	21.85	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	63620	22.62	ug/L		100
72) 4-methyl-2-pentanone	12.250	58	14474	24.77	ug/L		92
73) toluene	12.491	92	99118	21.47	ug/L		99
74) 3-methyl-1-butanol	12.297	70	22643	455.62	ug/L		93
75) trans-1,3-dichloropropene	12.722	75	55588	23.23	ug/L		99
76) ethyl methacrylate	12.711	69	41569	23.32	ug/L		95
77) 1,1,2-trichloroethane	12.937	83	28779	22.26	ug/L		99
78) 2-hexanone	13.115	58	13757	25.78	ug/L		98
80) tetrachloroethene	13.073	166	44290	20.27	ug/L		98
81) 1,3-dichloropropane	13.120	76	52261	23.64	ug/L		99
82) butyl acetate	13.188	56	22079	24.22	ug/L		95
83) dibromochloromethane	13.388	129	43292	21.40	ug/L		97
84) 1,2-dibromoethane	13.534	107	36454	23.07	ug/L		99
86) chlorobenzene	13.996	112	113736	21.44	ug/L		98
87) 1,1,1,2-tetrachloroethane	14.064	131	45395	20.88	ug/L		98
88) ethylbenzene	14.054	91	204710	22.14	ug/L		99
89) m,p-xylene	14.164	106	162158	44.74	ug/L		98
90) o-xylene	14.599	106	80950	23.00	ug/L		96
91) styrene	14.615	104	123161	22.92	ug/L		99
92) bromoform	14.898	173	32547	22.03	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11417.D
Acq On : 4 Jun 2014 10:34 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 15:44:50 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

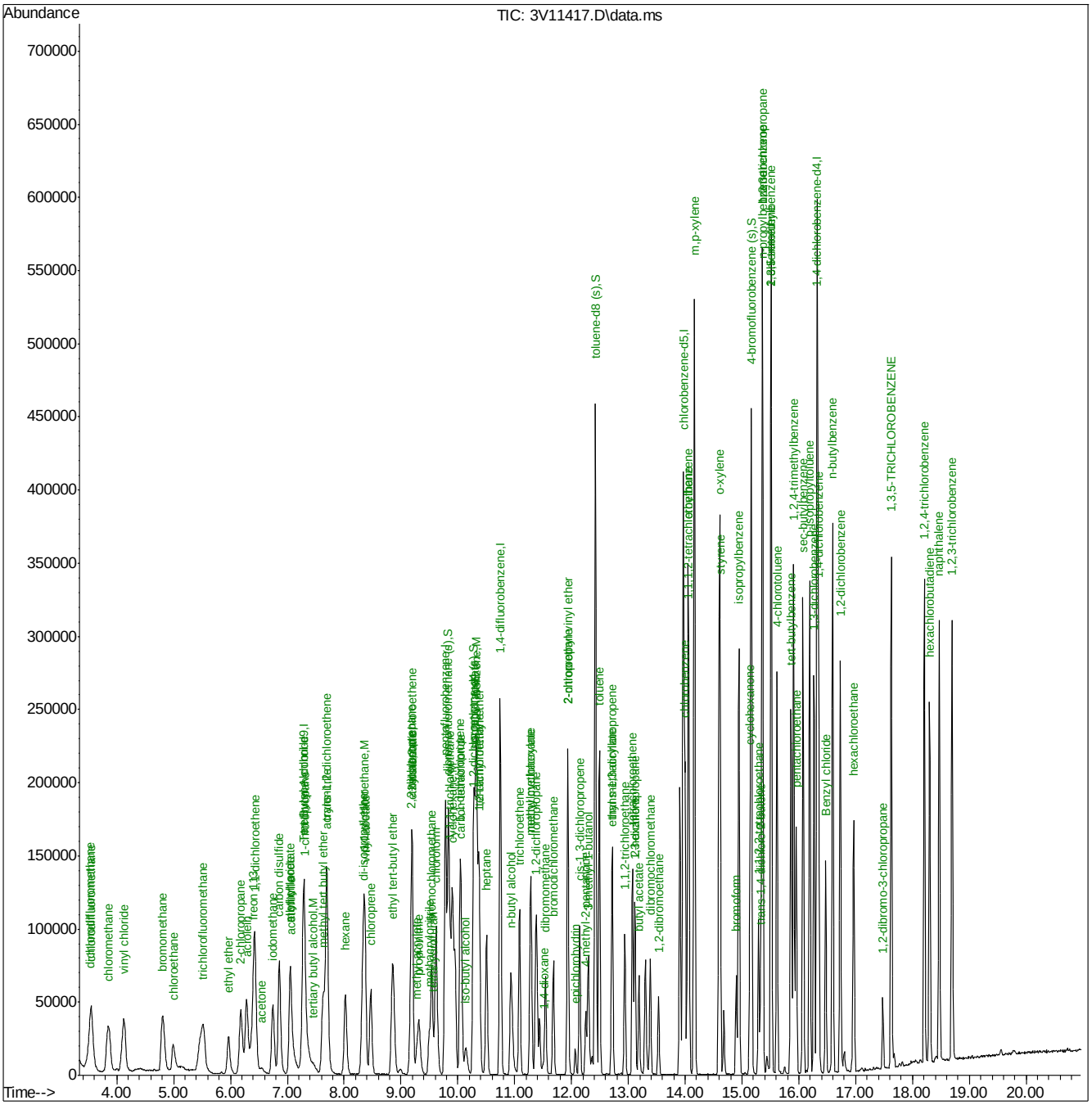
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	209424	22.34	ug/L	97
96) bromobenzene	15.359	156	55440	21.44	ug/L	93
97) cyclohexanone	15.144	55	60372	165.66	ug/L	95
98) 1,1,2,2-tetrachloroethane	15.291	83	58633	24.21	ug/L	99
99) trans-1,4-dichloro-2-b...	15.328	53	13895	25.69	ug/L	83
100) 1,2,3-trichloropropane	15.359	110	12199	23.39	ug/L	99
101) n-propylbenzene	15.364	91	259492	22.95	ug/L	100
102) 2-chlorotoluene	15.516	126	54138	22.27	ug/L	99
103) 4-chlorotoluene	15.616	91	156579	22.34	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	183847	22.61	ug/L	99
105) tert-butylbenzene	15.862	119	135126	20.20	ug/L	99
106) pentachloroethane	15.957	167	34728	19.93	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	197271	22.94	ug/L	98
108) sec-butylbenzene	16.072	105	244482	21.92	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	114757	20.95	ug/L	97
110) p-isopropyltoluene	16.193	119	204784	22.20	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	114906	20.79	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	114271	21.13	ug/L	100
113) n-butylbenzene	16.596	92	118604	22.51	ug/L	98
114) 1,2-dibromo-3-chloropr...	17.477	75	12425	22.90	ug/L	91
115) 1,3,5-TRICHLOROBENZENE	17.624	180	111901	20.67	ug/L	99
116) 1,2,4-trichlorobenzene	18.211	180	105452	20.80	ug/L	99
117) hexachlorobutadiene	18.300	225	53596	20.31	ug/L	97
118) naphthalene	18.468	128	229200	22.69	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	99173	20.93	ug/L	100
120) hexachloroethane	16.963	119	41328	20.74	ug/L	94
121) Benzyl chloride	16.471	91	102334	21.35	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11417.D
Acq On : 4 Jun 2014 10:34 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V486,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 15:44:50 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 JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 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	7.311	65	100696	500.00	ug/L	0.00
5) pentafluorobenzene	9.780	168	192742	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	271953	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	251981	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	158462	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.827	113	103894	42.60	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 85.20%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	88037	41.23	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 82.46%			
71) toluene-d8 (s)	12.418	98	343360	50.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 101.96%			
95) 4-bromofluorobenzene (s)	15.165	95	142534	51.30	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 102.60%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.510	88	13114	510.94	ug/L	96
4) tertiary butyl alcohol	7.447	59	27442	101.74	ug/L	96
6) chlorodifluoromethane	3.546	51	73938	16.79	ug/L	99
7) dichlorodifluoromethane	3.536	85	90437	17.66	ug/L	97
8) chloromethane	3.845	50	81908	18.59	ug/L	98
9) vinyl chloride	4.118	62	89776	18.93	ug/L	100
10) bromomethane	4.799	94	57398	19.06	ug/L	99
11) chloroethane	4.988	64	32371	20.68	ug/L	97
12) trichlorofluoromethane	5.512	101	96523	18.48	ug/L	96
13) ethyl ether	5.958	74	17982	18.56	ug/L	97
14) 2-chloropropane	6.178	43	69696	18.62	ug/L	99
15) acrolein	6.278	56	84349	217.70	ug/L	97
16) 1,1-dichloroethene	6.425	96	44885	17.20	ug/L	93
17) acetone	6.551	43	11352	16.64	ug/L	95
18) allyl chloride	7.049	76	20590	17.26	ug/L	91
19) acetonitrile	7.059	40	32560	193.20	ug/L	93
20) iodomethane	6.739	142	98775	18.12	ug/L	99
21) iso-butyl alcohol	10.142	41	14249	192.93	ug/L	95
22) carbon disulfide	6.855	76	178931	18.58	ug/L	99
23) methylene chloride	7.279	84	54144	17.67	ug/L	95
24) 1-chloropropane	7.295	42	71389	17.12	ug/L	97
25) methyl acetate	7.049	74	5615	20.62	ug/L #	96
26) methyl tert butyl ether	7.636	73	120985	19.28	ug/L	100
27) trans-1,2-dichloroethene	7.688	96	47806	17.31	ug/L	99
28) di-isopropyl ether	8.333	45	134065	20.33	ug/L	96
29) ethyl tert-butyl ether	8.857	59	133955	20.25	ug/L	98
30) 2-butanone	9.183	72	3721	17.32	ug/L	74
31) 1,1-dichloroethane	8.359	63	80932	19.14	ug/L	99
32) chloroprene	8.470	53	55789	19.99	ug/L	99
33) acrylonitrile	7.688	53	60923	98.04	ug/L	99
34) vinyl acetate	8.359	86	4465	18.60	ug/L	94
35) ethyl acetate	9.193	45	4007	18.90	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 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	79532	18.59	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	50498	16.04	ug/L		100
38) propionitrile	9.314	54	51772	188.63	ug/L		90
39) methyl acrylate	9.282	55	33098	18.44	ug/L	#	98
40) bromochloromethane	9.539	128	23899	18.40	ug/L		97
41) tetrahydrofuran	9.565	42	11221	19.57	ug/L		95
42) chloroform	9.607	83	78742	17.14	ug/L		99
45) freon 113	6.404	151	45536	19.56	ug/L		97
46) methacrylonitrile	9.497	41	16924	19.00	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	77943	18.23	ug/L		98
48) tert-amyl methyl ether	10.368	73	125614	19.01	ug/L		99
50) epichlorohydrin	12.066	57	15801	104.25	ug/L		97
51) n-butyl alcohol	10.934	56	63956	1047.62	ug/L		98
52) cyclohexane	9.906	84	72461	20.43	ug/L		98
53) carbon tetrachloride	10.058	117	70713	19.67	ug/L		99
54) 1,1-dichloropropene	10.037	75	56255	19.92	ug/L		99
55) hexane	8.024	57	51887	23.09	ug/L		99
56) ISOOCTANE	10.305	57	163228	20.39	ug/L		98
57) benzene	10.326	78	168036	19.83	ug/L		99
58) heptane	10.504	57	30553	22.29	ug/L		98
59) isopropyl acetate	10.294	43	81972	20.49	ug/L		98
60) 1,2-dichloroethane	10.373	62	47291	19.89	ug/L		99
61) trichloroethene	11.086	95	43464	19.64	ug/L		95
63) 2-nitropropane	11.935	43	67983	24.03	ug/L		95
64) 2-chloroethyl vinyl ether	11.935	63	104173	134.06	ug/L		99
65) methyl methacrylate	11.280	41	30231	21.53	ug/L		94
66) 1,2-dichloropropane	11.369	63	42143	20.68	ug/L		95
67) methylcyclohexane	11.285	83	79180	21.69	ug/L		100
68) dibromomethane	11.542	93	25220	19.69	ug/L		98
69) bromodichloromethane	11.678	83	53251	19.65	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	61563	20.43	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	13017	20.79	ug/L		99
73) toluene	12.491	92	95277	19.26	ug/L		99
74) 3-methyl-1-butanol	12.297	70	21709	407.70	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	53779	20.98	ug/L		97
76) ethyl methacrylate	12.711	69	38669	20.25	ug/L		97
77) 1,1,2-trichloroethane	12.937	83	28764	20.76	ug/L		98
78) 2-hexanone	13.115	58	11666	20.41	ug/L		95
80) tetrachloroethene	13.073	166	47189	20.18	ug/L		99
81) 1,3-dichloropropane	13.120	76	49748	21.02	ug/L		100
82) butyl acetate	13.188	56	21088	21.62	ug/L		98
83) dibromochloromethane	13.387	129	43203	19.95	ug/L		97
84) 1,2-dibromoethane	13.529	107	34985	20.69	ug/L		98
86) chlorobenzene	13.996	112	116262	20.47	ug/L		98
87) 1,1,1,2-tetrachloroethane	14.069	131	46234	19.87	ug/L		98
88) ethylbenzene	14.053	91	199328	20.14	ug/L		98
89) m,p-xylene	14.163	106	152794	39.39	ug/L		99
90) o-xylene	14.599	106	78440	20.82	ug/L		99
91) styrene	14.614	104	123994	21.56	ug/L		98
92) bromoform	14.897	173	31703	20.04	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 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

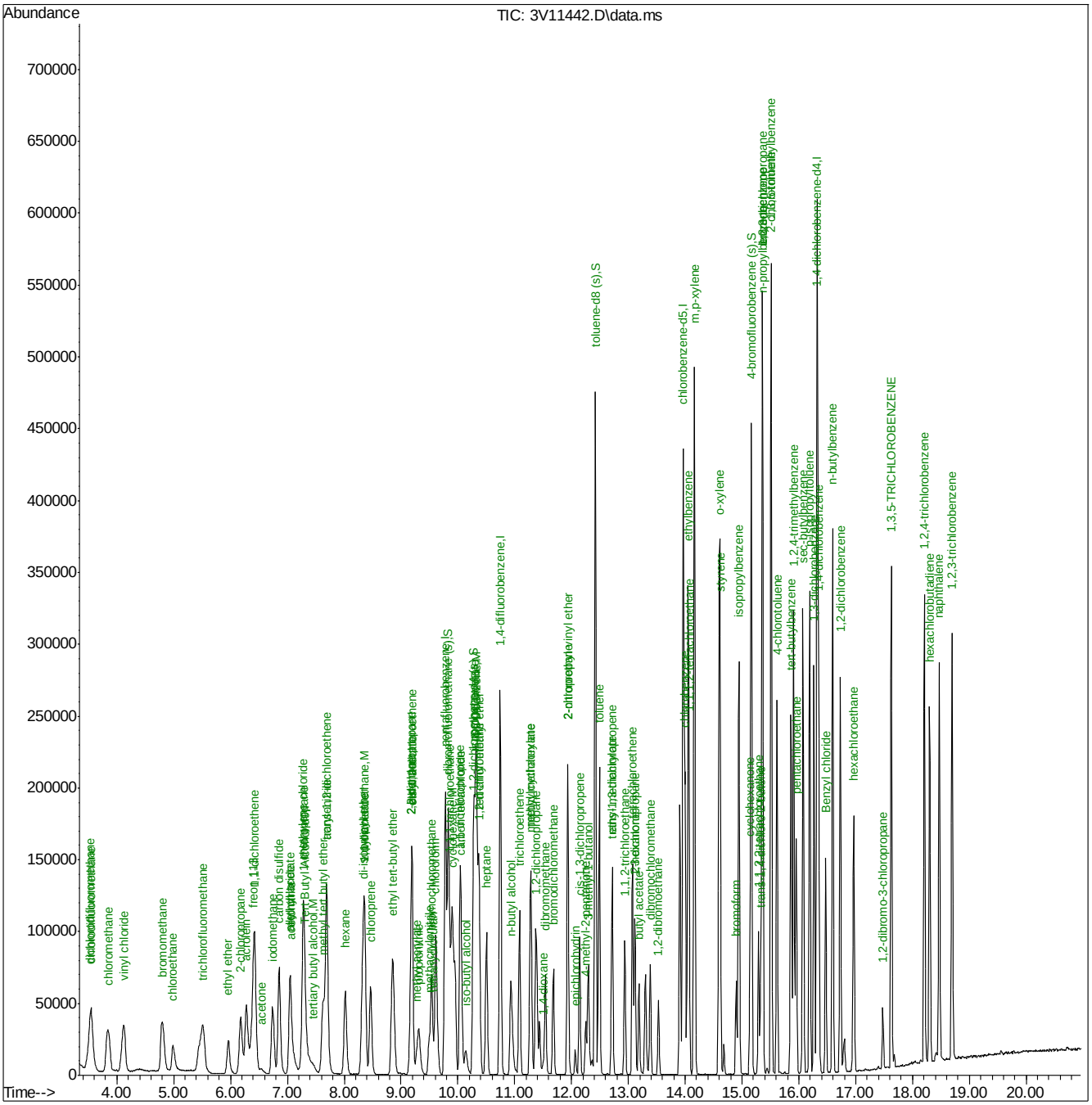
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	209062	20.87	ug/L	99
96) bromobenzene	15.359	156	57039	20.65	ug/L	100
97) cyclohexanone	15.144	55	33268	85.46	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	54150	20.93	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	11908	20.61	ug/L	95
100) 1,2,3-trichloropropane	15.359	110	11720	21.04	ug/L	98
101) n-propylbenzene	15.364	91	255652	21.17	ug/L	99
102) 2-chlorotoluene	15.511	126	55177	21.25	ug/L	98
103) 4-chlorotoluene	15.616	91	155329	20.75	ug/L	98
104) 1,3,5-trimethylbenzene	15.516	105	182823	21.05	ug/L	99
105) tert-butylbenzene	15.862	119	138766	19.42	ug/L	99
106) pentachloroethane	15.957	167	35957	19.32	ug/L	97
107) 1,2,4-trimethylbenzene	15.909	105	185237	20.17	ug/L	99
108) sec-butylbenzene	16.072	105	246157	20.67	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	118857	20.32	ug/L	99
110) p-isopropyltoluene	16.193	119	208883	21.20	ug/L	98
111) 1,4-dichlorobenzene	16.350	146	117873	19.96	ug/L	98
112) 1,2-dichlorobenzene	16.733	146	115901	20.06	ug/L	99
113) n-butylbenzene	16.596	92	117367	20.85	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	10605	18.30	ug/L	98
115) 1,3,5-TRICHLOROBENZENE	17.629	180	115165	19.92	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	107019	19.77	ug/L	99
117) hexachlorobutadiene	18.300	225	55346	19.63	ug/L	100
118) naphthalene	18.468	128	214037	19.84	ug/L	100
119) 1,2,3-trichlorobenzene	18.693	180	99978	19.75	ug/L	99
120) hexachloroethane	16.963	119	39875	18.73	ug/L	99
121) Benzyl chloride	16.470	91	104534	20.42	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11442.D
Acq On : 5 Jun 2014 10:07 am
Operator : thienn
Sample : cc474-20
Misc : MS68397,V3V487,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 16:23:36 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 JB68173

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: V1C5716

Date: 5/12/14

Print Analyst Name: Mancela Delgadillo

Analyst Signature: Mancela Delgadillo

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 V8260C/

Method 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											QA	11:52am	
	128176	IC5716-0.2	V8260B initial Cal.	W									QA	1ul A,B,C,Ac,Surr/50mL	
	128177	IC5716-0.5											QA	2.5ul A,B,C,Ac,Surr/50mL	
	128178	IC5716-1											QA	5ul A,B,C,Ac,Surr/100mL	
	128179	IC5716-2											QA	2ul A,B,C,Ac,Surr/100mL	
	128180	IC5716-5											QA	5ul A,B,C,Ac,Surr/100mL	
	128181	IC5716-10											QA	5ul A,B,C,Ac,Surr/50mL	
	128182	IC5716-20											QA	10ul A,B,C,Ac +25ul Surr/50mL	
	128183	IC5716-50											QA	25ul A,B,C,Ac,Surr/50mL	
	128184	IC5716-100											QA	50ul A,B,C,Ac,Surr/50mL	
	128185	IC5716-200											QA	100ul A,B,C,Ac,Surr/50mL	
	128186	IB													
	128187	IB													
	128188	ICV5716-50											QA	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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V1C5750

Date: 6.5.14

Print Analyst Name: [illegible]

Analyst Signature: [illegible]

Columns: ZB624 (60mx0.25mmx1.4u)

Method VA8260C

Initial Cal. Method M1C5716

Standard Data

Lot #	Description	Conc.
1014801	D BFB	1ml
	19 BFB	"
	43 BFB	"
	85 BFB	1ml
218713	AA	6.5.14

Standard Data

Lot #	Description	Conc.
1014801	87 A	1ml
"	34 B	"
"	40 C	"
1014888	138 Acrolein	1ml
1014801	83 1,4-DCB-d4	50ppb

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: 6/6/2014

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	1C188943	BFB				1							ok	9:34 AM 9:43 AM 65%	
	1C188944	CCV1602				2	5		1x				NC	93% ✓	
	1C188945	CCV1602-DC				3	5		1x				ok	DCE Acrolein low	
	1C188946	MB1B				4					+				
	1C188947	BFB MB1	RESH			5	5		1x		+		ok		
	1C188948	BS				6	5		1x		+		ok	DCE Acrolein low	
2	1C188949	ZB607914-10	68835 NJTCLP+ TPH	G	6	7	5/5		1x		+		ok		—
2	1C188950	ZB607880-3	68173 NJTCLP+ TPH	S	6	8	5		1x		+		ok		—
2	1C188951	ZB607880-6	↓	↓	6	9	5		1x		+		ok		—
2	1C188952	ZB607885-3	68191 STARC	S	3	10	2.5/50		25x		+		ok		—
2	1C188953	ZB607886-3	↓	↓	3	11	5		5x		+		ok		—
2	1C188954	ZB607914-9	68835 NJTCLP+ TPH	G	6	12	5/5		10x		+		ok		—
2	1C188955	ZB607914-7	↓	↓	2	13	0.25/5		20x		+		ok		—
	1C188956	ZB607880-3MS	68173 NJTCLP+ TPH	S	5	14	5		1x		+		ok	DCE Acrolein low ↓	—
	1C188957	ZB607880-3MSD	↓	↓	5	15	5		1x		+		ok		—
2	1C188958	ZB607914-13	68835 NJTCLP+ TPH	G	2	16	0.5/5		10x		+		ok		—
	1C188959	ZB607906	68334 TCLP	S	4	17	5		1x		+		R2	1x CP	—

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: V1C5750

Date: 6.5.14

Print Analyst Name: DCLARCHER

Analyst Signature:

Columns: ZB 624

Method V8260C

Initial Cal. Method M1C5710

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	8123	

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: 6/6/2014

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	1C188900	226976-7	68314 TCLP	S	1	18	5		1x				ca		
	1C188901	226873-15	68398 TCLP	S	4	19	5		1x				ca		
	1C188902	226873-16	4	S	1	20	5		1x				ca	6:43 PM	

1265M

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.
V014-1922-118	A	100 ppm
L 127	B	↓
1861-11	C	↓
1922-138	Anlr	1000
↓ 146	Surr	100 ↓

Standard Data

Lot #	Description	Conc.
V014-1861-06	Int std	250/500 ppm
1861-129	Ext A	100
1922-138	Ext B	100
1861-12	Ext C	100
1861-05	Ext Anlr	1000
↓ 13	Ext Hexane	100
↓ 1922-144	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
	V11182	BFB				1							ok	9:42 Am	
	11183	1C474-0.2	8260C Tunitral	50	—	2	5						ok	A,B,C,Anlr, Surr 1µl/500ml	
	11184	1C474-0.5			—	3	5						ok	A,B,C,Anlr, Surr 1µl/200ml	
	11185	1C474-1			—	4	5						ok	A,B,C,Surr 1µl/100ml Anlr 200µl/100ml	
	11186	1C474-2			—	5	5						ok	A,B,C,Surr 2µl/100ml Anlr 100µl/100ml	
	11187	1C474-5			—	6	5						ok	A,B,C,Anlr,Surr 5µl/100ml	
	11188	1C474-10			—	7	5						ok	A,B,C,Anlr,Surr 10µl/50ml	
	11189	1C474-20			—	8	5						ok	A,B,C,Anlr: 20µl/100ml Surr 50ml/100ml	
	11190	1C474-50			—	9	5						ok	A,B,C,Anlr,Surr 25µl/50ml	
	11191	1C474-100			—	10	5						ok	A,B,C,Surr 50µl/50ml	
	11192	1C474-200			—	11	5						ok	A,B,C,Surr 100µl/50ml	
	11193	IB			—	12	5						clean up		
	11194	IB			—	13	5						↓		
	11195	1C474-50			—	14	5						ok	Ext(A,B,C,Anlr,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: V3V484

Print Analyst Name: THEW

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4μm)

Method 8260C

Initial Cal. Method M3V474

Date: 6/2/14

Standard Data

Lot #	Description	Conc.
1014-1861-27	A	100 ppm
34	B	↓
33	C	↓
23	I/S	200/200
1822-138	Surr	100 ↓

Standard Data

Lot #	Description	Conc.
1014-1861-20	Cal A	100 ppm
19	B	↓
25	C	↓
05	Surr	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: **Date:** 6/3/2014

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	V3V377	BFB				1							ok	8: 32sm	
	113 78	ee474-20				2	5						ok	8ml, nl 10ml/sm	
	113 79	MB1				3	5			✓			ok		
	113 80	BS				4	5						ok	Cal (MB, S, nl) 25ml/sm	
	113 81	BS				5	5						clo		
	113 82	JB68023-10	68346 TCL20+		8	6	3.5						ok		
	113 83	JB68023-8			5	7	4.8						ok		
	113 84	JB68023-13			5	8	4.3						ok		
	113 85	JB68023-10MS			10	9	3.7						ok	8ml, nl 25ml/sm	
	113 86	JB68023-10MSD	↓	↓	12	10	3.7						ok	↓	
	113 87	BS				11	5						clo		
	113 88	JB68023-2			5	12	5.3			✓			ok		
	113 89	JB68023-5			5	13	4.8			✓			ok		
	113 90	JB68023-6			5	14	3.9			✓			ok		
	113 91	JB68023-7			5	15	4.1			✓			ok		
	113 92	JB68023-11			5	16	5.7			✓			ok		
	113 93	JB68023-15	↓	↓	5	17	4.5			✓			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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V484

Print Analyst Name: THOM

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4μm)

Method 8260C

Initial Cal. Method M3V474

Date: 6/2/14

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.

see page 73

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:** 6/3/2014

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	V113 94	JB68023-3	68346 TCL20+	S	4	17	6.2			✓	✓	✓	ok		
	113 95	JB68023-9	↓	↓	4	19	4.8			✓	✓	✓	ok/re	re SME	
	113 96	JB68023-14	↓	↓	4	20	6.2			✓	✓	✓	ok/re	re SME	
	113 97	IB				21	5						clo		
	113 98	JB67896-2	68345 TCL20+	S	4	22	6.3			✓	✓	✓	ok		
	113 99	JB68173-1	68347 TCL20	↓	4	23	6.1				✓	✓	ok/re	re 1x c/o	
	114 00	JB68173-2	↓	↓	4	24	6.4				✓	✓	ok/re	↓	
	114 01	JB68173-3	↓	↓	4	25	6.1				✓	✓	ok	8:07pm	
	114 02	IB				26	5						clo		
	114 03	IB				27	5						↓		

JMB 6/2/14

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

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Form: OR001-9
Rev. Date: 2/14/2007

7.8.4

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ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V4586 TDM 6/4/14

Print Analyst Name: THIEN

Date: 6/3/14

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4μm)

Method 8260 C

Initial Cal. Method M3V474

Standard Data		
Lot #	Description	Conc.
VHH-1861-27	A	100
34	B	↓ ppm
30	C	↓
23	IS	20/200
1822-138	Surr	100 ✓

Standard Data		
Lot #	Description	Conc.
VHH-1861-20	624 A	100
19	B	↓ ppm
28	C	↓
05	Surr	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: [signature] **Date:** 6/5/14

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
	V114 06 07	BFB TDM 6/4/14				1			TDM 6/6/14				NOT USE	2:14 pm	
	114 07 08	cc474-20 50				2	5						↓	A, B, C, Surr to personnel TDM 6/4/14	
	114 08 09	IB				3	5					✓	clo		
	114 09 10	MB				4	5					✓	NOT USE		
	114 10 11	BS				5	5					✓	✓	(LCA, B, C, Surr.) to personnel	
	114 11 12	TD	TDM 6/4/14			6	5					✓	clo	Sequence window is not close. Data not go until the next morning.	
	114 12 13	JB 68173-9	68397 TCL20	3/2	4	7	6.3		↓			✓	RR CF TDM 6/4/14	6:15 AM 6/4/14	
MJ 6/3/14	114 13 14	JB68173-10	68397 TCL20		4	8	5.8		TDM 6/6/14				NOT RAN		
	114 14 15	JB68173-14			4	9	4.1								
	114 15 16	JB68173-13			4	10	4.0								
	114 16 17	JB68173-9MS			5	11	7.0						↓	A, B, C, Surr to personnel	
	114 17 18	IB				12	5						clo		
	114 18 19	JB68173-10 DUP			5	13	5.9						NOT RAN		
	114 19 20	JB68173-4			4	14	6.8						↓		
	114 20 21	JB68173-5			4	15	4.5								
	114 21 22	JB68173-6			4	16	5.0								
	114 22 23	JB68173-7	↓	↓	4	17	6.2						✓		

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

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V 485

Print Analyst Name: TH/BW

Analyst Signature:

Columns: 624 (Coms x0.25mm x1.4µm)

Method 8260 C

Initial Cal. Method M3V474

Date: 6/3/14

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 77	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: dated **Date:** 6/5/14

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
	3V114 23	JB68173-8	68397 OC120	S	4	18	5.8						NOT RPW		
	114 24	JB68173-11	↓	↓	4	19	6.8						↓		
	114 25	JB68173-12	↓	↓	4	20	7.1								
	114 26	IB				21									
	114 27	IB				22									
	114 28	IB				23							↓		

TH 6/24/14

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

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V3V486

Print Analyst Name: TH'Ou

Analyst Signature: Thou

Date: 6/4/14

Columns: ZB-624 (60mx0.25mmx1.4µm).

Method V8260C

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.
VOA-1861-27	A	100 ppm
34	B	
46	C	
23	IS	250/5000
1822-138	Blk	100

Standard Data

Lot #	Description	Conc.
VOA-1861-20	Ext A	100 ppm
19	B	
43	C	
05	Blk	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: DPatel **Date:** 6/5/14

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
	V3V1404	BFB				1							OK	8:39 AM.	
	1404 15	CC474-20				2	5						NO DATA	A,B,C,Mb OI Error type/sound Air purged	
	1404 16	CC474-20				3	5						NC	See Run 2	
	1404 17	CC474-20				4	5						OK		
	1404 18	MB1				5	5						OK		
	1404 19	BS				6	5						OK	Ext(A, B, C, Mb) + 2.5µg/5ml	
	1404 20	BB				7	5						clo		
	1404 21	JB68173-14	68397 TCL20	S	4	8	4.1						OK		
	1404 22	JB68173-10			4	9	5.8						OK		
	1404 23	JB68173-14 Rep		S	5	10	3.7						OK		
	1404 24	JB68173-10MS			5	11	5.9						OK	A,B,C,Mb 2.5µg/5ml	
	1404 25	BB				12	5						clo		
R	1404 26	JB68173-1	68397 TCL20	S	5	13	6.2						OK		
	1404 27	JB68173-2			5	14	6.5						(OK)		
	1404 28	JB68173-9MS			5	15	7.0						NO need	A,B,C,Mb 2.5µg/5ml	
	1404 29	JB68286-1	68534 TCL20	S	8	16	6.0						RR	matrix clo	
	1404 30	JB68286-3			8	17	5.5						(OK)	RR → V-cave change to B method.	

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

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Form: OR001-9
Rev. Date: 2/14/2007

7.8.6

7

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: V3V486

Print Analyst Name: THIGU

Date: 6/4/14

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4

Method 8260 C

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.

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Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Patel **Date:** 6/5/14

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
	V114 31	JB68286-5	68534 8260 SOIL	S/W	6	18	6.3						ON	RR → V-OA change to B method.	
	114 32	JB68173-13	68397 TCL20	S/W	4	19	4.0						ON		
	114 33	JB68173-4			4	20	6.8						RR	clo hit # 78	
	114 34	JB68173-5			4	21	4.5						RR	clo	
	114 35	JB68173-6			4	22	5						ON		
	114 36	JB68173-7			4	23	6.2						ON		
	114 37	JB68173-8			4	24	5.8						ON	8:02pm	
	114 38	BL				25	5						clo		
	114 39	LB				26	5						↓		

6/4/14

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: V3V 487

Print Analyst Name: THIEW

Analyst Signature:

Columns: ZB-624 (60m x 0.25mm x 1.4μm)

Method 8260C

Initial Cal. Method M3V 474

Date: 6/4/14 5 TOM 6/5/14

Standard Data

Lot #	Description	Conc.
VOA-1861-27	A	100 ppm
34	B	↓
46	C	↓
23	IS	50/200
↓ 42	Multi	1000 ↓

Standard Data

Lot #	Description	Conc.
VOA-1861-20	BFB A	100 ppm
19	B	↓
43	C	↓
↓ 05	Multi	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: DPatel **Date:** 6/9/14

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
	V3V 11440	BFB				1							ok	8.31 rpm	
	114 41	ccv474-20				2	5						NC	A,B,C, Multi are compounds of interest/some Low	
	114 42	ccv474-20				3	5						ok		
	114 43	IB				4	5						clo		
	114 44	MB1				5	5						ok		
	114 45	BS				6	5						ok	(Except CA, B, C, Multi) 2 true/some.	
	114 46	IB				7	5						clo		
	114 47	JB68467-1	68576 SCO	S	1	8	5.2						ok		
R	114 48	JB68173-5	68397 TCL20	S	5	9	5.8						ok		
R	114 49	JB68173-4	↓		5	10	6.7						ok		
	114 50	JB68467-1MS	68576 SCO	S	1	11	5.2						ok	A,B,C, Multi 2 true/some	
	114 51	JB68467-1MSD	↓	↓	1	12	5.2						ok	↓	
	114 52	BB				13	5						clo		
	114 53	JB68403-1	68611 TCL20/TBD	S	5	14	5.8						ok		
	114 54	JB68403-2	↓		5	15	6.5						ok		
	114 55	JB68350-1	68614 TCL20		5	16	5.8						ok		
	114 56	JB68350-2	↓	↓	5	17	6.1						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: V3V487

Print Analyst Name: THEW

Analyst Signature: [signature]

Columns: ZB-624 (from xxxxxxxxxx)

Method V8260C

Initial Cal. Method M3V424

Date: 6/5/14

Standard Data

Lot #	Description	Conc.

see page 88

Standard Data

Lot #	Description	Conc.

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 6/9/14

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
R	V3V114 57	JB68173-9	68397 TCL20	S	1	18	5.4				✓		low	Sample from intact soil	
	114 58	JB68458-1	68605 TCL20		4	19	4.1				✓		RR	matrix may clo	
	114 59	JB68458-2	↓		4	20	5.4				✓		ok		
	114 60	JB68458-5			4	21	4.4				✓		ok		
	114 61	JB68458-6	↓		4	22	4.4				✓		ok		
	114 62	JB68173-12	68397 TCL20		4	23	7.1				✓		ok		
	114 63	JB68173-11	↓		4	24	6.8				✓		ok		
	114 64	BS				25	5				✓		clo		
	114 65	BD				26	5				✓		↓		

TM 6/5/14

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

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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: JB68173
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
OP75302-MB1	Z92117.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

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: JB68173
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
OP75302-MB1	Z92117.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

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: JB68173
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
OP75302-MB1	Z92117.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	42%	10-110%
4165-62-2	Phenol-d5	29%	10-110%
118-79-6	2,4,6-Tribromophenol	90%	29-139%
4165-60-0	Nitrobenzene-d5	81%	28-131%
321-60-8	2-Fluorobiphenyl	77%	30-121%
1718-51-0	Terphenyl-d14	90%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.74	4.4	ug/l	J
	system artifact	2.91	6.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JB68173
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
OP75285-MB1	3E61852.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
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
OP75285-MB1	3E61852.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
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
OP75285-MB1	3E61852.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	81%	13-110%
4165-62-2	Phenol-d5	80%	15-110%
118-79-6	2,4,6-Tribromophenol	110%	20-123%
4165-60-0	Nitrobenzene-d5	89%	10-110%
321-60-8	2-Fluorobiphenyl	87%	17-110%
1718-51-0	Terphenyl-d14	95%	30-124%

Method Blank Summary

Job Number: JB68173
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
OP75285-MB1	Z92397.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
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
OP75285-MB1	Z92397.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
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
OP75285-MB1	Z92397.D	1	06/11/14	HK	06/03/14	OP75285	EZ4593

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	80%	13-110%
4165-62-2	Phenol-d5	81%	15-110%
118-79-6	2,4,6-Tribromophenol	90%	20-123%
4165-60-0	Nitrobenzene-d5	91%	10-110%
321-60-8	2-Fluorobiphenyl	82%	17-110%
1718-51-0	Terphenyl-d14	92%	30-124%

Blank Spike Summary

Job Number: JB68173
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
OP75302-BS1	Z92118.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	35.3	71	42-110
59-50-7	4-Chloro-3-methyl phenol	50	45.5	91	49-120
120-83-2	2,4-Dichlorophenol	50	43.0	86	47-114
105-67-9	2,4-Dimethylphenol	50	46.5	93	48-129
51-28-5	2,4-Dinitrophenol	100	87.1	87	26-153
534-52-1	4,6-Dinitro-o-cresol	50	47.6	95	44-132
95-48-7	2-Methylphenol	50	35.5	71	39-110
	3&4-Methylphenol	50	34.5	69	36-110
88-75-5	2-Nitrophenol	50	43.1	86	45-110
100-02-7	4-Nitrophenol	50	34.7	69	10-110
87-86-5	Pentachlorophenol	50	49.7	99	32-122
108-95-2	Phenol	50	19.8	40	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	47.1	94	47-119
95-95-4	2,4,5-Trichlorophenol	50	48.6	97	52-119
88-06-2	2,4,6-Trichlorophenol	50	46.0	92	51-118
83-32-9	Acenaphthene	50	42.3	85	46-108
208-96-8	Acenaphthylene	50	36.3	73	44-101
98-86-2	Acetophenone	50	39.8	80	39-125
120-12-7	Anthracene	50	48.8	98	60-117
1912-24-9	Atrazine	50	66.3	133	58-153
100-52-7	Benzaldehyde	50	48.4	97	32-119
56-55-3	Benzo(a)anthracene	50	50.3	101	59-116
50-32-8	Benzo(a)pyrene	50	51.2	102	61-122
205-99-2	Benzo(b)fluoranthene	50	51.9	104	56-129
191-24-2	Benzo(g,h,i)perylene	50	51.5	103	54-126
207-08-9	Benzo(k)fluoranthene	50	47.4	95	53-124
101-55-3	4-Bromophenyl phenyl ether	50	50.1	100	55-120
85-68-7	Butyl benzyl phthalate	50	57.8	116	42-138
92-52-4	1,1'-Biphenyl	50	41.6	83	41-123
91-58-7	2-Chloronaphthalene	50	35.5	71	38-107
106-47-8	4-Chloroaniline	50	41.7	83	38-110
86-74-8	Carbazole	50	45.6	91	55-121
105-60-2	Caprolactam	50	15.5	31	10-113
218-01-9	Chrysene	50	51.3	103	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	44.1	88	48-117
111-44-4	bis(2-Chloroethyl)ether	50	37.8	76	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
OP75302-BS1	Z92118.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	36.3	73	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	47.1	94	48-117
121-14-2	2,4-Dinitrotoluene	50	53.8	108	53-129
606-20-2	2,6-Dinitrotoluene	50	53.6	107	57-126
91-94-1	3,3'-Dichlorobenzidine	100	87.5	88	41-109
123-91-1	1,4-Dioxane	50	17.6	35	10-110
53-70-3	Dibenzo(a,h)anthracene	50	51.3	103	57-126
132-64-9	Dibenzofuran	50	45.8	92	46-112
84-74-2	Di-n-butyl phthalate	50	55.9	112	54-127
117-84-0	Di-n-octyl phthalate	50	52.1	104	55-142
84-66-2	Diethyl phthalate	50	51.0	102	35-130
131-11-3	Dimethyl phthalate	50	48.5	97	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	58.5	117	58-135
206-44-0	Fluoranthene	50	51.1	102	59-120
86-73-7	Fluorene	50	46.9	94	53-114
118-74-1	Hexachlorobenzene	50	49.0	98	52-120
87-68-3	Hexachlorobutadiene	50	18.7	37	10-111
77-47-4	Hexachlorocyclopentadiene	100	57.7	58	10-116
67-72-1	Hexachloroethane	50	16.9	34	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	52.5	105	56-127
78-59-1	Isophorone	50	43.1	86	45-119
91-57-6	2-Methylnaphthalene	50	41.5	83	30-112
88-74-4	2-Nitroaniline	50	54.5	109	46-136
99-09-2	3-Nitroaniline	50	47.7	95	46-113
100-01-6	4-Nitroaniline	50	54.8	110	47-129
91-20-3	Naphthalene	50	30.2	60	35-101
98-95-3	Nitrobenzene	50	38.8	78	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	42.1	84	40-118
86-30-6	N-Nitrosodiphenylamine	50	51.5	103	54-112
85-01-8	Phenanthrene	50	46.6	93	58-113
129-00-0	Pyrene	50	49.8	100	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	35.0	70	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
OP75302-BS1	Z92118.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	10-110%
4165-62-2	Phenol-d5	40%	10-110%
118-79-6	2,4,6-Tribromophenol	113%	29-139%
4165-60-0	Nitrobenzene-d5	81%	28-131%
321-60-8	2-Fluorobiphenyl	78%	30-121%
1718-51-0	Terphenyl-d14	101%	16-147%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
OP75285-BS1	3E61853.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1040	73	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	958	67	44-125
120-83-2	2,4-Dichlorophenol	1430	940	66	41-120
105-67-9	2,4-Dimethylphenol	1430	991	69	43-137
51-28-5	2,4-Dinitrophenol	2860	2240	78	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1150	81	37-136
95-48-7	2-Methylphenol	1430	1070	75	40-110
	3&4-Methylphenol	1430	1060	74	39-111
88-75-5	2-Nitrophenol	1430	1030	72	36-117
100-02-7	4-Nitrophenol	1430	1150	81	26-143
87-86-5	Pentachlorophenol	1430	1110	78	21-123
108-95-2	Phenol	1430	1080	76	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1120	78	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1120	78	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1160	81	48-119
83-32-9	Acenaphthene	1430	1220	85	46-110
208-96-8	Acenaphthylene	1430	1010	71	43-103
98-86-2	Acetophenone	1430	1130	79	35-120
120-12-7	Anthracene	1430	1210	85	56-118
1912-24-9	Atrazine	1430	1470	103	57-151
56-55-3	Benzo(a)anthracene	1430	1210	85	56-117
50-32-8	Benzo(a)pyrene	1430	1270	89	56-124
205-99-2	Benzo(b)fluoranthene	1430	1290	90	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1210	85	52-126
207-08-9	Benzo(k)fluoranthene	1430	1180	83	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1220	85	51-121
85-68-7	Butyl benzyl phthalate	1430	1260	88	52-133
92-52-4	1,1'-Biphenyl	1430	1170	82	42-122
100-52-7	Benzaldehyde	1430	1250	88	30-119
91-58-7	2-Chloronaphthalene	1430	1110	78	42-110
106-47-8	4-Chloroaniline	1430	708	50	32-102
86-74-8	Carbazole	1430	1110	78	53-119
105-60-2	Caprolactam	1430	1110	78	35-144
218-01-9	Chrysene	1430	1260	88	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1070	75	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1190	83	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
OP75285-BS1	3E61853.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1150	81	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1200	84	48-116
121-14-2	2,4-Dinitrotoluene	1430	1160	81	51-126
606-20-2	2,6-Dinitrotoluene	1430	1190	83	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2140	75	49-115
123-91-1	1,4-Dioxane	1430	785	55	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1190	83	53-126
132-64-9	Dibenzofuran	1430	1160	81	45-114
84-74-2	Di-n-butyl phthalate	1430	1380	97	56-125
117-84-0	Di-n-octyl phthalate	1430	1320	92	49-145
84-66-2	Diethyl phthalate	1430	1240	87	52-118
131-11-3	Dimethyl phthalate	1430	1190	83	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1480	104	52-138
206-44-0	Fluoranthene	1430	1220	85	55-119
86-73-7	Fluorene	1430	1220	85	51-114
118-74-1	Hexachlorobenzene	1430	1130	79	47-122
87-68-3	Hexachlorobutadiene	1430	958	67	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2800	98	22-126
67-72-1	Hexachloroethane	1430	1120	78	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1230	86	53-128
78-59-1	Isophorone	1430	1010	71	37-117
91-57-6	2-Methylnaphthalene	1430	970	68	34-114
88-74-4	2-Nitroaniline	1430	1430	100	46-135
99-09-2	3-Nitroaniline	1430	1090	76	44-114
100-01-6	4-Nitroaniline	1430	1270	89	44-128
91-20-3	Naphthalene	1430	975	68	37-104
98-95-3	Nitrobenzene	1430	1030	72	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1210	85	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1260	88	51-114
85-01-8	Phenanthrene	1430	1160	81	55-113
129-00-0	Pyrene	1430	1280	90	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1110	78	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB68173
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
OP75285-BS1	3E61853.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	81%	13-110%
4165-62-2	Phenol-d5	80%	15-110%
118-79-6	2,4,6-Tribromophenol	97%	20-123%
4165-60-0	Nitrobenzene-d5	77%	10-110%
321-60-8	2-Fluorobiphenyl	81%	17-110%
1718-51-0	Terphenyl-d14	92%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
OP75302-MS	Z92129.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
OP75302-MSD	Z92130.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
JB68170-6	Z92131.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Compound	JB68170-6 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	84.2	84	100	84.7	85	1	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		100	97.5	98	100	101	101	4	40-130/28
120-83-2	2,4-Dichlorophenol	ND		100	93.2	93	100	96.1	96	3	27-128/34
105-67-9	2,4-Dimethylphenol	ND		100	95.0	95	100	102	102	7	32-145/31
51-28-5	2,4-Dinitrophenol	ND		200	169	85	200	181	91	7	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		100	91.2	91	100	96.0	96	5	10-147/42
95-48-7	2-Methylphenol	ND		100	84.3	84	100	85.9	86	2	29-111/29
	3&4-Methylphenol	ND		100	84.2	84	100	87.3	87	4	26-114/29
88-75-5	2-Nitrophenol	ND		100	95.8	96	100	99.6	100	4	27-121/35
100-02-7	4-Nitrophenol	ND		100	94.0	94	100	99.8	100	6	10-135/37
87-86-5	Pentachlorophenol	ND		100	99.7	100	100	107	107	7	21-133/35
108-95-2	Phenol	ND		100	68.9	69	100	71.1	71	3	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		100	95.3	95	100	101	101	6	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		100	99.2	99	100	103	103	4	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		100	97.6	98	100	99.6	100	2	31-130/34
83-32-9	Acenaphthene	ND		100	94.4	94	100	94.7	95	0	41-112/29
208-96-8	Acenaphthylene	ND		100	80.6	81	100	81.5	82	1	42-101/29
98-86-2	Acetophenone	ND		100	92.1	92	100	90.5	91	2	24-142/31
120-12-7	Anthracene	ND		100	101	101	100	103	103	2	52-122/26
1912-24-9	Atrazine	ND		100	139	139	100	144	144	4	42-160/26
100-52-7	Benzaldehyde	ND		100	126	126	100	127	127	1	17-130/33
56-55-3	Benzo(a)anthracene	ND		100	103	103	100	104	104	1	50-122/26
50-32-8	Benzo(a)pyrene	ND		100	104	104	100	106	106	2	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		100	103	103	100	109	109	6	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		100	105	105	100	107	107	2	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		100	99.2	99	100	96.8	97	2	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		100	104	104	100	108	108	4	51-122/26
85-68-7	Butyl benzyl phthalate	ND		100	120	120	100	120	120	0	37-145/29
92-52-4	1,1'-Biphenyl	ND		100	90.4	90	100	90.4	90	0	40-122/30
91-58-7	2-Chloronaphthalene	ND		100	85.3	85	100	85.3	85	0	36-108/30
106-47-8	4-Chloroaniline	ND		100	65.6	66	100	60.2	60	9	24-110/32
86-74-8	Carbazole	ND		100	92.6	93	100	94.7	95	2	47-128/25
105-60-2	Caprolactam	ND		100	56.6	57	100	56.4	56	0	10-110/44
218-01-9	Chrysene	ND		100	104	104	100	105	105	1	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		100	99.0	99	100	99.5	100	1	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		100	92.2	92	100	92.0	92	0	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
OP75302-MS	Z92129.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
OP75302-MSD	Z92130.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
JB68170-6	Z92131.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Compound	JB68170-6 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	88.9	89	100	89.0	89	0	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	98.7	99	100	101	101	2	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		100	110	110	100	113	113	3	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		100	110	110	100	113	113	3	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		200	178	89	200	150	75	17	14-119/33
123-91-1	1,4-Dioxane	ND		100	57.7	58	100	61.1	61	6	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		100	106	106	100	108	108	2	49-130/28
132-64-9	Dibenzofuran	ND		100	95.7	96	100	95.8	96	0	44-114/28
84-74-2	Di-n-butyl phthalate	ND		100	116	116	100	118	118	2	47-131/27
117-84-0	Di-n-octyl phthalate	ND		100	108	108	100	109	109	1	47-148/29
84-66-2	Diethyl phthalate	ND		100	104	104	100	106	106	2	32-131/29
131-11-3	Dimethyl phthalate	ND		100	101	101	100	102	102	1	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	123	123	100	122	122	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	98.5	99	100	99.7	100	1	50-116/26
118-74-1	Hexachlorobenzene	ND		100	98.7	99	100	102	102	3	45-123/26
87-68-3	Hexachlorobutadiene	ND		100	70.2	70	100	66.2	66	6	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		200	133	67	200	140	70	5	10-113/37
67-72-1	Hexachloroethane	ND		100	65.8	66	100	63.6	64	3	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	107	107	100	109	109	2	48-131/27
78-59-1	Isophorone	ND		100	95.6	96	100	94.9	95	1	42-119/30
91-57-6	2-Methylnaphthalene	ND		100	91.4	91	100	91.8	92	0	22-120/32
88-74-4	2-Nitroaniline	ND		100	113	113	100	115	115	2	43-138/29
99-09-2	3-Nitroaniline	ND		100	82.3	82	100	76.5	77	7	34-116/26
100-01-6	4-Nitroaniline	ND		100	109	109	100	109	109	0	36-131/28
91-20-3	Naphthalene	ND		100	79.2	79	100	78.0	78	2	25-108/32
98-95-3	Nitrobenzene	ND		100	89.8	90	100	88.6	89	1	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		100	96.9	97	100	95.5	96	1	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		100	106	106	100	110	110	4	46-120/26
85-01-8	Phenanthrene	ND		100	94.9	95	100	97.9	98	3	51-117/25
129-00-0	Pyrene	ND		100	101	101	100	102	102	1	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		100	90.0	90	100	90.3	90	0	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
OP75302-MS	Z92129.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
OP75302-MSD	Z92130.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582
JB68170-6	Z92131.D	1	06/04/14	AR	06/03/14	OP75302	EZ4582

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-15

CAS No.	Surrogate Recoveries	MS	MSD	JB68170-6	Limits
367-12-4	2-Fluorophenol	79%	79%	49%	10-110%
4165-62-2	Phenol-d5	68%	68%	33%	10-110%
118-79-6	2,4,6-Tribromophenol	117%	119%	91%	29-139%
4165-60-0	Nitrobenzene-d5	96%	95%	77%	28-131%
321-60-8	2-Fluorobiphenyl	89%	88%	69%	30-121%
1718-51-0	Terphenyl-d14	106%	105%	93%	16-147%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
OP75285-MS	3E61864.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
OP75285-MSD	3E61865.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
JB68173-1	3E61866.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Compound	JB68173-1 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		1800	1290	72	1750	1230	70	5	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1800	1220	68	1750	1140	65	7	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1800	1180	65	1750	1090	62	8	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1800	1310	73	1750	1190	68	10	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3600	2380	66	3500	2370	68	0	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1800	1310	73	1750	1240	71	5	10-111/55
95-48-7	2-Methylphenol	ND		1800	1360	75	1750	1260	72	8	19-105/42
	3&4-Methylphenol	ND		1800	1360	75	1750	1260	72	8	17-108/43
88-75-5	2-Nitrophenol	ND		1800	1240	69	1750	1210	69	2	11-103/44
100-02-7	4-Nitrophenol	ND		1800	1480	82	1750	1350	77	9	10-141/48
87-86-5	Pentachlorophenol	ND		1800	1460	81	1750	1340	77	9	10-114/47
108-95-2	Phenol	ND		1800	1330	74	1750	1260	72	5	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1800	1450	80	1750	1310	75	10	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1800	1440	80	1750	1300	74	10	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1800	1510	84	1750	1370	78	10	21-117/40
83-32-9	Acenaphthene	ND		1800	1570	87	1750	1470	84	7	25-106/38
208-96-8	Acenaphthylene	ND		1800	1310	73	1750	1210	69	8	21-110/39
98-86-2	Acetophenone	ND		1800	1390	77	1750	1340	77	4	13-117/43
120-12-7	Anthracene	ND		1800	1580	88	1750	1420	81	11	27-123/40
1912-24-9	Atrazine	ND		1800	1810	100	1750	1610	92	12	31-147/39
56-55-3	Benzo(a)anthracene	ND		1800	1540	85	1750	1390	79	10	22-127/44
50-32-8	Benzo(a)pyrene	ND		1800	1640	91	1750	1450	83	12	22-132/42
205-99-2	Benzo(b)fluoranthene	ND		1800	1650	92	1750	1500	86	10	17-141/45
191-24-2	Benzo(g,h,i)perylene	ND		1800	1570	87	1750	1410	81	11	23-129/42
207-08-9	Benzo(k)fluoranthene	ND		1800	1520	84	1750	1360	78	11	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1800	1590	88	1750	1420	81	11	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1800	1630	90	1750	1480	85	10	26-134/40
92-52-4	1,1'-Biphenyl	ND		1800	1480	82	1750	1410	81	5	22-114/41
100-52-7	Benzaldehyde	ND		1800	1790	99	1750	1700	97	5	10-115/42
91-58-7	2-Chloronaphthalene	ND		1800	1430	79	1750	1350	77	6	24-101/40
106-47-8	4-Chloroaniline	ND		1800	691	38	1750	550	31	23	15-110/44
86-74-8	Carbazole	ND		1800	1300	72	1750	1170	67	11	27-123/38
105-60-2	Caprolactam	ND		1800	1350	75	1750	1260	72	7	10-141/42
218-01-9	Chrysene	ND		1800	1610	89	1750	1470	84	9	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1800	1340	74	1750	1290	74	4	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1800	1600	89	1750	1500	86	6	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
OP75285-MS	3E61864.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
OP75285-MSD	3E61865.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
JB68173-1	3E61866.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Compound	JB68173-1 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		1800	1410	78	1750	1350	77	4	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1800	1520	84	1750	1390	79	9	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1800	1480	82	1750	1320	75	11	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1800	1540	85	1750	1380	79	11	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3600	1810	50	3500	1690	48	7	10-121/45
123-91-1	1,4-Dioxane	ND		1800	990	55	1750	950	54	4	10-110/48
53-70-3	Dibenzo(a,h)anthracene	ND		1800	1560	87	1750	1400	80	11	26-129/42
132-64-9	Dibenzofuran	ND		1800	1500	83	1750	1390	79	8	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1800	1840	102	1750	1650	94	11	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1800	1660	92	1750	1500	86	10	25-140/43
84-66-2	Diethyl phthalate	ND		1800	1620	90	1750	1480	85	9	32-115/37
131-11-3	Dimethyl phthalate	ND		1800	1560	87	1750	1410	81	10	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1800	1910	106	1750	1720	98	10	26-140/43
206-44-0	Fluoranthene	ND		1800	1580	88	1750	1420	81	11	16-134/44
86-73-7	Fluorene	ND		1800	1550	86	1750	1430	82	8	24-116/39
118-74-1	Hexachlorobenzene	ND		1800	1480	82	1750	1310	75	12	24-118/41
87-68-3	Hexachlorobutadiene	ND		1800	1160	64	1750	1100	63	5	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3600	2210	61	3500	2400	69	8	10-110/52
67-72-1	Hexachloroethane	ND		1800	1340	74	1750	1230	70	9	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1800	1630	90	1750	1430	82	13	23-132/43
78-59-1	Isophorone	ND		1800	1290	72	1750	1240	71	4	22-105/41
91-57-6	2-Methylnaphthalene	ND		1800	1220	68	1750	1170	67	4	16-108/40
88-74-4	2-Nitroaniline	ND		1800	1790	99	1750	1650	94	8	23-130/39
99-09-2	3-Nitroaniline	ND		1800	726	40	1750	653	37	11	19-116/40
100-01-6	4-Nitroaniline	ND		1800	942	52	1750	818	47	14	18-124/42
91-20-3	Naphthalene	ND		1800	1210	67	1750	1170	67	3	13-103/41
98-95-3	Nitrobenzene	ND		1800	1260	70	1750	1230	70	2	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1800	1540	85	1750	1460	83	5	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1800	1640	91	1750	1450	83	12	26-119/38
85-01-8	Phenanthrene	ND		1800	1520	84	1750	1370	78	10	19-126/42
129-00-0	Pyrene	ND		1800	1610	89	1750	1460	83	10	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1800	1410	78	1750	1340	77	5	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB68173
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
OP75285-MS	3E61864.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
OP75285-MSD	3E61865.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653
JB68173-1	3E61866.D	1	06/09/14	SP	06/03/14	OP75285	E3E2653

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

CAS No.	Surrogate Recoveries	MS	MSD	JB68173-1	Limits
367-12-4	2-Fluorophenol	75%	76%	88%	13-110%
4165-62-2	Phenol-d5	75%	75%	84%	15-110%
118-79-6	2,4,6-Tribromophenol	93%	86%	108%	20-123%
4165-60-0	Nitrobenzene-d5	70%	73%	96%	10-110%
321-60-8	2-Fluorobiphenyl	79%	79%	91%	17-110%
1718-51-0	Terphenyl-d14	87%	82%	103%	30-124%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2646-DFTPP	**Injection Date:**	06/04/14
Lab File ID:	3E61393.D	**Injection Time:**	17:31
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	32000	33.8		Pass
68	Less than 2.0% of mass 69	462	0.49	(1.34) [a]	Pass
69	Mass 69 relative abundance	34486	36.4		Pass
70	Less than 2.0% of mass 69	149	0.16	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	49442	52.2		Pass
197	Less than 1.0% of mass 198	195	0.21		Pass
198	Base peak, 100% relative abundance	94664	100.0		Pass
199	5.0 - 9.0% of mass 198	6346	6.70		Pass
275	10.0 - 30.0% of mass 198	22082	23.3		Pass
365	1.0 - 100.0% of mass 198	2233	2.36		Pass
441	Present, but less than mass 443	8455	8.93	(77.2) [b]	Pass
442	40.0 - 100.0% of mass 198	58176	61.5		Pass
443	17.0 - 23.0% of mass 442	10948	11.6	(18.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2646-IC2646	3E61394.D	06/04/14	17:45	00:14	Initial cal 100
E3E2646-IC2646	3E61395.D	06/04/14	18:13	00:42	Initial cal 80
E3E2646-ICC2646	3E61396.D	06/04/14	18:41	01:10	Initial cal 50
E3E2646-IC2646	3E61397.D	06/04/14	19:09	01:38	Initial cal 25
E3E2646-IC2646	3E61398.D	06/04/14	19:37	02:06	Initial cal 10
E3E2646-IC2646	3E61399.D	06/04/14	20:05	02:34	Initial cal 5
E3E2646-IC2646	3E61400.D	06/04/14	20:33	03:02	Initial cal 2
E3E2646-IC2646	3E61401.D	06/04/14	21:01	03:30	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3E2647-DFTPP
Lab File ID: 3E61402.D
Instrument ID: GCMS3E
Injection Date: 06/04/14
Injection Time: 21:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	34890	39.1		Pass
68	Less than 2.0% of mass 69	573	0.64	(1.58) [a]	Pass
69	Mass 69 relative abundance	36282	40.6		Pass
70	Less than 2.0% of mass 69	169	0.19	(0.47) [a]	Pass
127	40.0 - 60.0% of mass 198	50290	56.3		Pass
197	Less than 1.0% of mass 198	210	0.24		Pass
198	Base peak, 100% relative abundance	89256	100.0		Pass
199	5.0 - 9.0% of mass 198	6029	6.75		Pass
275	10.0 - 30.0% of mass 198	19782	22.2		Pass
365	1.0 - 100.0% of mass 198	1874	2.10		Pass
441	Present, but less than mass 443	6767	7.58	(77.5) [b]	Pass
442	40.0 - 100.0% of mass 198	46063	51.6		Pass
443	17.0 - 23.0% of mass 442	8730	9.78	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2647-IC2647	3E61403.D	06/04/14	21:51	00:27	Initial cal 100
E3E2647-IC2647	3E61404.D	06/04/14	22:18	00:54	Initial cal 80
E3E2647-ICC2647	3E61405.D	06/04/14	22:46	01:22	Initial cal 50
E3E2647-IC2647	3E61406.D	06/04/14	23:14	01:50	Initial cal 25
E3E2647-IC2647	3E61407.D	06/04/14	23:41	02:17	Initial cal 10
E3E2647-IC2647	3E61408.D	06/05/14	00:09	02:45	Initial cal 5
E3E2647-IC2647	3E61409.D	06/05/14	00:37	03:13	Initial cal 2
E3E2647-IC2647	3E61410.D	06/05/14	01:04	03:40	Initial cal 1
E3E2647-ICV2646	3E61412.D	06/05/14	01:59	04:35	Initial cal verification 50
E3E2647-ICV2646	3E61414.D	06/05/14	02:54	05:30	Initial cal verification 50
E3E2647-ICV2646	3E61415.D	06/05/14	03:22	05:58	Initial cal verification 50
E3E2647-ICV2646	3E61416.D	06/05/14	03:49	06:25	Initial cal verification 50
E3E2647-ICV2647	3E61416A.D	06/05/14	03:49	06:25	Initial cal verification 50
E3E2647-ICV2647	3E61417.D	06/05/14	04:16	06:52	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2648-DFTPP	**Injection Date:**	06/05/14
Lab File ID:	3E61420.D	**Injection Time:**	12:24
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	40405	36.0		Pass
68	Less than 2.0% of mass 69	583	0.52	(1.37) [a]	Pass
69	Mass 69 relative abundance	42426	37.8		Pass
70	Less than 2.0% of mass 69	395	0.35	(0.93) [a]	Pass
127	40.0 - 60.0% of mass 198	60445	53.8		Pass
197	Less than 1.0% of mass 198	543	0.48		Pass
198	Base peak, 100% relative abundance	112290	100.0		Pass
199	5.0 - 9.0% of mass 198	7568	6.74		Pass
275	10.0 - 30.0% of mass 198	25430	22.6		Pass
365	1.0 - 100.0% of mass 198	2418	2.15		Pass
441	Present, but less than mass 443	9330	8.31	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	63104	56.2		Pass
443	17.0 - 23.0% of mass 442	12107	10.8	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E2648-ICV2646	3E61421.D	06/05/14	12:37	00:13	Initial cal verification 50
E3E2648-ICV2647	3E61422A.D	06/05/14	13:05	00:41	Initial cal verification 50
E3E2648-ICV2646	3E61422.D	06/05/14	13:05	00:41	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2653-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	3E61843.D	**Injection Time:**	09:06
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	29053	37.4		Pass
68	Less than 2.0% of mass 69	292	0.38	(0.98) [a]	Pass
69	Mass 69 relative abundance	29769	38.3		Pass
70	Less than 2.0% of mass 69	231	0.30	(0.78) [a]	Pass
127	40.0 - 60.0% of mass 198	41471	53.3		Pass
197	Less than 1.0% of mass 198	127	0.16		Pass
198	Base peak, 100% relative abundance	77762	100.0		Pass
199	5.0 - 9.0% of mass 198	5150	6.62		Pass
275	10.0 - 30.0% of mass 198	18610	23.9		Pass
365	1.0 - 100.0% of mass 198	2089	2.69		Pass
441	Present, but less than mass 443	6679	8.59	(78.0) [b]	Pass
442	40.0 - 100.0% of mass 198	44658	57.4		Pass
443	17.0 - 23.0% of mass 442	8563	11.0	(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
E3E2653-CC2646	3E61844.D	06/09/14	09:19	00:13	Continuing cal 50
E3E2653-CC2647	3E61845.D	06/09/14	09:47	00:41	Continuing cal 50
OP75279-MB1	3E61847.D	06/09/14	11:58	02:52	Method Blank
OP75403-MB1	3E61850.D	06/09/14	12:26	03:20	Method Blank
ZZZZZZ	3E61851.D	06/09/14	12:54	03:48	(unrelated sample)
OP75285-MB1	3E61852.D	06/09/14	13:23	04:17	Method Blank
OP75285-BS1	3E61853.D	06/09/14	13:51	04:45	Blank Spike
ZZZZZZ	3E61854.D	06/09/14	14:18	05:12	(unrelated sample)
ZZZZZZ	3E61854R.D	06/09/14	14:18	05:12	(unrelated sample)
ZZZZZZ	3E61855.D	06/09/14	14:46	05:40	(unrelated sample)
ZZZZZZ	3E61855R.D	06/09/14	14:46	05:40	(unrelated sample)
ZZZZZZ	3E61856.D	06/09/14	15:14	06:08	(unrelated sample)
ZZZZZZ	3E61856R.D	06/09/14	15:14	06:08	(unrelated sample)
ZZZZZZ	3E61857.D	06/09/14	15:42	06:36	(unrelated sample)
ZZZZZZ	3E61857R.D	06/09/14	15:42	06:36	(unrelated sample)
ZZZZZZ	3E61858.D	06/09/14	16:10	07:04	(unrelated sample)
ZZZZZZ	3E61859R.D	06/09/14	16:38	07:32	(unrelated sample)
ZZZZZZ	3E61859.D	06/09/14	16:38	07:32	(unrelated sample)
ZZZZZZ	3E61860.D	06/09/14	17:06	08:00	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2653-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	3E61843.D	**Injection Time:**	09:06
Instrument ID:	GCMS3E		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75387-MS	3E61861.D	06/09/14	17:34	08:28	Matrix Spike
OP75387-MSD	3E61862.D	06/09/14	18:01	08:55	Matrix Spike Duplicate
JB68342-6	3E61863.D	06/09/14	18:29	09:23	(used for QC only; not part of job JB68173)
OP75285-MS	3E61864.D	06/09/14	18:57	09:51	Matrix Spike
OP75285-MSD	3E61865.D	06/09/14	19:25	10:19	Matrix Spike Duplicate
JB68173-1	3E61866.D	06/09/14	19:53	10:47	303-PE-88
JB68173-2	3E61867.D	06/09/14	20:21	11:15	304-PE-84
JB68173-3	3E61868.D	06/09/14	20:49	11:43	305-PE-85

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2658-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	3E61977.D	**Injection Time:**	10:10
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	29186	42.8		Pass
68	Less than 2.0% of mass 69	315	0.46	(1.04) [a]	Pass
69	Mass 69 relative abundance	30310	44.5		Pass
70	Less than 2.0% of mass 69	87	0.13	(0.29) [a]	Pass
127	40.0 - 60.0% of mass 198	40216	59.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	68160	100.0		Pass
199	5.0 - 9.0% of mass 198	4522	6.63		Pass
275	10.0 - 30.0% of mass 198	15640	22.9		Pass
365	1.0 - 100.0% of mass 198	1843	2.70		Pass
441	Present, but less than mass 443	5746	8.43	(82.4) [b]	Pass
442	40.0 - 100.0% of mass 198	34688	50.9		Pass
443	17.0 - 23.0% of mass 442	6971	10.2	(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
E3E2658-CC2646	3E61978.D	06/12/14	10:29	00:19	Continuing cal 25
E3E2658-CC2647	3E61979.D	06/12/14	11:00	00:50	Continuing cal 25
OP75518-MB1	3E61981.D	06/12/14	11:56	01:46	Method Blank
OP75518-BS1	3E61982.D	06/12/14	12:24	02:14	Blank Spike
OP75207A-MB1	3E61983.D	06/12/14	12:52	02:42	Method Blank
JB67921-41	3E61984.D	06/12/14	13:19	03:09	(used for QC only; not part of job JB68173)
ZZZZZZ	3E61985.D	06/12/14	13:47	03:37	(unrelated sample)
ZZZZZZ	3E61986.D	06/12/14	14:15	04:05	(unrelated sample)
ZZZZZZ	3E61987.D	06/12/14	14:42	04:32	(unrelated sample)
ZZZZZZ	3E61988.D	06/12/14	15:10	05:00	(unrelated sample)
ZZZZZZ	3E61989.D	06/12/14	15:38	05:28	(unrelated sample)
ZZZZZZ	3E61990.D	06/12/14	16:06	05:56	(unrelated sample)
ZZZZZZ	3E61991.D	06/12/14	16:34	06:24	(unrelated sample)
ZZZZZZ	3E61992.D	06/12/14	17:01	06:51	(unrelated sample)
JB68173-11	3E61995.D	06/12/14	18:25	08:15	313-PE-93
JB68173-12	3E61996.D	06/12/14	18:52	08:42	314-PE-94
JB68173-13	3E61997.D	06/12/14	19:20	09:10	315-DEC-4
JB68173-14	3E61998.D	06/12/14	19:48	09:38	316-PE-43
OP75518-MS	3E61999.D	06/12/14	20:16	10:06	Matrix Spike

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2658-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	3E61977.D	**Injection Time:**	10:10
Instrument ID:	GCMS3E		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75518-MSD	3E62000.D	06/12/14	20:43	10:33	Matrix Spike Duplicate
JB68819-62A	3E62001.D	06/12/14	21:11	11:01	(used for QC only; not part of job JB68173)

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2660-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	3E62031.D	**Injection Time:**	11:54
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	24129	38.1		Pass
68	Less than 2.0% of mass 69	139	0.22	(0.54) [a]	Pass
69	Mass 69 relative abundance	25904	40.9		Pass
70	Less than 2.0% of mass 69	64	0.10	(0.25) [a]	Pass
127	40.0 - 60.0% of mass 198	35513	56.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	63390	100.0		Pass
199	5.0 - 9.0% of mass 198	4143	6.54		Pass
275	10.0 - 30.0% of mass 198	15892	25.1		Pass
365	1.0 - 100.0% of mass 198	1741	2.75		Pass
441	Present, but less than mass 443	6158	9.71	(80.4) [b]	Pass
442	40.0 - 100.0% of mass 198	39382	62.1		Pass
443	17.0 - 23.0% of mass 442	7657	12.1	(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
E3E2660-CC2646	3E62033.D	06/13/14	12:42	00:48	Continuing cal 25
JB68173-13	3E62034.D	06/13/14	13:21	01:27	315-DEC-4

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4569-DFTPP	**Injection Date:**	05/24/14
Lab File ID:	Z91825.D	**Injection Time:**	10:37
Instrument ID:	GCMSZ		

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: JB68173
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: JB68173
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

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4582-DFTPP	**Injection Date:**	06/04/14
Lab File ID:	Z92109.D	**Injection Time:**	09:02
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	90586	42.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	89732	41.6		Pass
70	Less than 2.0% of mass 69	482	0.22	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	108920	50.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	215842	100.0		Pass
199	5.0 - 9.0% of mass 198	14555	6.74		Pass
275	10.0 - 30.0% of mass 198	53386	24.7		Pass
365	1.0 - 100.0% of mass 198	7164	3.32		Pass
441	Present, but less than mass 443	26474	12.3	(76.3) [b]	Pass
442	40.0 - 100.0% of mass 198	180581	83.7		Pass
443	17.0 - 23.0% of mass 442	34701	16.1	(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
EZ4582-CC4569	Z92110.D	06/04/14	09:14	00:12	Continuing cal 50
EZ4582-CC4571	Z92111.D	06/04/14	09:40	00:38	Continuing cal 50
OP75302-MB1	Z92117.D	06/04/14	11:00	01:58	Method Blank
OP75302-BS1	Z92118.D	06/04/14	11:26	02:24	Blank Spike
ZZZZZZ	Z92116.D	06/04/14	12:44	03:42	(unrelated sample)
ZZZZZZ	Z92120.D	06/04/14	13:36	04:34	(unrelated sample)
ZZZZZZ	Z92121.D	06/04/14	14:02	05:00	(unrelated sample)
ZZZZZZ	Z92122.D	06/04/14	14:29	05:27	(unrelated sample)
ZZZZZZ	Z92123.D	06/04/14	14:55	05:53	(unrelated sample)
ZZZZZZ	Z92124.D	06/04/14	15:20	06:18	(unrelated sample)
ZZZZZZ	Z92124A.D	06/04/14	15:46	06:44	(unrelated sample)
ZZZZZZ	Z92125.D	06/04/14	16:12	07:10	(unrelated sample)
ZZZZZZ	Z92126.D	06/04/14	16:38	07:36	(unrelated sample)
ZZZZZZ	Z92127.D	06/04/14	17:04	08:02	(unrelated sample)
ZZZZZZ	Z92128.D	06/04/14	17:30	08:28	(unrelated sample)
ZZZZZZ	Z92128.D	06/04/14	17:30	08:28	(unrelated sample)
OP75302-MS	Z92129.D	06/04/14	17:55	08:53	Matrix Spike
OP75302-MSD	Z92130.D	06/04/14	18:21	09:19	Matrix Spike Duplicate
JB68170-6	Z92131.D	06/04/14	18:47	09:45	(used for QC only; not part of job JB68173)

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4582-DFTPP	**Injection Date:**	06/04/14
Lab File ID:	Z92109.D	**Injection Time:**	09:02
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Z92131.D	06/04/14	18:47	09:45	(unrelated sample)
ZZZZZZ	Z92132.D	06/04/14	19:13	10:11	(unrelated sample)
ZZZZZZ	Z92133.D	06/04/14	19:39	10:37	(unrelated sample)
JB68173-15	Z92134.D	06/04/14	20:05	11:03	317-FB-8

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4593-DFTPP	**Injection Date:**	06/11/14
Lab File ID:	Z92389.D	**Injection Time:**	09:20
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	53558	49.2		Pass
68	Less than 2.0% of mass 69	797	0.73	(1.57) [a]	Pass
69	Mass 69 relative abundance	50613	46.5		Pass
70	Less than 2.0% of mass 69	300	0.28	(0.59) [a]	Pass
127	40.0 - 60.0% of mass 198	57497	52.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	108848	100.0		Pass
199	5.0 - 9.0% of mass 198	7035	6.46		Pass
275	10.0 - 30.0% of mass 198	27389	25.2		Pass
365	1.0 - 100.0% of mass 198	4242	3.90		Pass
441	Present, but less than mass 443	12793	11.8	(76.9) [b]	Pass
442	40.0 - 100.0% of mass 198	91408	84.0		Pass
443	17.0 - 23.0% of mass 442	16637	15.3	(18.2) [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
EZ4593-CC4569	Z92390.D	06/11/14	09:35	00:15	Continuing cal 25
EZ4593-CC4571	Z92391.D	06/11/14	10:10	00:50	Continuing cal 25
OP75504-MB1	Z92392.D	06/11/14	10:47	01:27	Method Blank
OP75504-BS1	Z92393.D	06/11/14	11:12	01:52	Blank Spike
OP75504-BSD	Z92394.D	06/11/14	11:38	02:18	Blank Spike Duplicate
OP75285-MB1	Z92397.D	06/11/14	12:58	03:38	Method Blank
OP75428-MB1	Z92398.D	06/11/14	13:24	04:04	Method Blank
ZZZZZZ	Z92401.D	06/11/14	14:42	05:22	(unrelated sample)
ZZZZZZ	Z92402.D	06/11/14	15:08	05:48	(unrelated sample)
ZZZZZZ	Z92404.D	06/11/14	15:59	06:39	(unrelated sample)
ZZZZZZ	Z92405.D	06/11/14	16:24	07:04	(unrelated sample)
ZZZZZZ	Z92406.D	06/11/14	16:50	07:30	(unrelated sample)
ZZZZZZ	Z92408.D	06/11/14	17:43	08:23	(unrelated sample)
JB68486-1	Z92409.D	06/11/14	18:08	08:48	(used for QC only; not part of job JB68173)
OP75428-MSD	Z92410.D	06/11/14	18:34	09:14	Matrix Spike Duplicate
OP75428-MS	Z92411.D	06/11/14	19:00	09:40	Matrix Spike
JB68173-4	Z92412.D	06/11/14	19:25	10:05	306-PE-75
JB68173-5	Z92413.D	06/11/14	19:51	10:31	307-PE-76
JB68173-6	Z92414.D	06/11/14	20:17	10:57	308-PE-86

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4593-DFTPP	**Injection Date:**	06/11/14
Lab File ID:	Z92389.D	**Injection Time:**	09:20
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JB68173-7	Z92415.D	06/11/14	20:43	11:23	309-PE-77
JB68173-8	Z92416.D	06/11/14	21:09	11:49	310-PE-90

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4596-DFTPP	**Injection Date:**	06/12/14
Lab File ID:	Z92458.D	**Injection Time:**	16:59
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	51376	47.6		Pass
68	Less than 2.0% of mass 69	671	0.62	(1.28) [a]	Pass
69	Mass 69 relative abundance	52578	48.7		Pass
70	Less than 2.0% of mass 69	109	0.10	(0.21) [a]	Pass
127	40.0 - 60.0% of mass 198	58901	54.6		Pass
197	Less than 1.0% of mass 198	151	0.14		Pass
198	Base peak, 100% relative abundance	107882	100.0		Pass
199	5.0 - 9.0% of mass 198	7628	7.07		Pass
275	10.0 - 30.0% of mass 198	27738	25.7		Pass
365	1.0 - 100.0% of mass 198	4324	4.01		Pass
441	Present, but less than mass 443	12773	11.8	(73.6) [b]	Pass
442	40.0 - 100.0% of mass 198	86880	80.5		Pass
443	17.0 - 23.0% of mass 442	17343	16.1	(20.0) [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
EZ4596-IC4596	Z92459.D	06/12/14	17:12	00:13	Initial cal 100
EZ4596-IC4596	Z92460.D	06/12/14	17:38	00:39	Initial cal 80
EZ4596-ICC4596	Z92461.D	06/12/14	18:04	01:05	Initial cal 50
EZ4596-IC4596	Z92462.D	06/12/14	18:30	01:31	Initial cal 25
EZ4596-IC4596	Z92463.D	06/12/14	18:56	01:57	Initial cal 10
EZ4596-IC4596	Z92464.D	06/12/14	19:22	02:23	Initial cal 5
EZ4596-IC4596	Z92465.D	06/12/14	19:47	02:48	Initial cal 2
EZ4596-IC4596	Z92466.D	06/12/14	20:13	03:14	Initial cal 1
EZ4596-ICV4596	Z92467.D	06/12/14	20:39	03:40	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4598-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	Z92497.D	**Injection Time:**	12:19
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	43464	40.7		Pass
68	Less than 2.0% of mass 69	188	0.18	(0.41) [a]	Pass
69	Mass 69 relative abundance	45558	42.6		Pass
70	Less than 2.0% of mass 69	134	0.13	(0.29) [a]	Pass
127	40.0 - 60.0% of mass 198	56050	52.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	106823	100.0		Pass
199	5.0 - 9.0% of mass 198	7112	6.66		Pass
275	10.0 - 30.0% of mass 198	27241	25.5		Pass
365	1.0 - 100.0% of mass 198	4300	4.03		Pass
441	Present, but less than mass 443	13156	12.3	(71.1) [b]	Pass
442	40.0 - 100.0% of mass 198	93861	87.9		Pass
443	17.0 - 23.0% of mass 442	18514	17.3	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4598-CC4569	Z92498.D	06/13/14	12:34	00:15	Continuing cal 25
EZ4598-CC4571	Z92499.D	06/13/14	13:25	01:06	Continuing cal 25
EZ4598-CC4596	Z92500.D	06/13/14	13:54	01:35	Continuing cal 25
OP75554-MB1	Z92501.D	06/13/14	14:20	02:01	Method Blank
OP75554-BS1	Z92502.D	06/13/14	14:46	02:27	Blank Spike
OP75554-BS13	Z92503.D	06/13/14	15:12	02:53	Blank Spike
ZZZZZZ	Z92504.D	06/13/14	15:38	03:19	(unrelated sample)
JB68173-9	Z92505.D	06/13/14	16:05	03:46	311-PE-91
JB68173-10	Z92506.D	06/13/14	16:31	04:12	312-PE-92
ZZZZZZ	Z92507.D	06/13/14	16:56	04:37	(unrelated sample)
ZZZZZZ	Z92508.D	06/13/14	17:22	05:03	(unrelated sample)
ZZZZZZ	Z92509.D	06/13/14	17:48	05:29	(unrelated sample)
ZZZZZZ	Z92510.D	06/13/14	18:14	05:55	(unrelated sample)
ZZZZZZ	Z92511.D	06/13/14	18:40	06:21	(unrelated sample)
ZZZZZZ	Z92512.D	06/13/14	19:06	06:47	(unrelated sample)
JB68790-1A	Z92513.D	06/13/14	19:32	07:13	(used for QC only; not part of job JB68173)
ZZZZZZ	Z92515.D	06/13/14	20:23	08:04	(unrelated sample)
OP75554-MS	Z92516.D	06/13/14	20:49	08:30	Matrix Spike
OP75554-MSD	Z92517.D	06/13/14	21:15	08:56	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4598-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	Z92497.D	**Injection Time:**	12:19
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Z92518.D	06/13/14	21:41	09:22	(unrelated sample)
ZZZZZZ	Z92519.D	06/13/14	22:07	09:48	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2653-CC2646	**Injection Date:**	06/09/14
Lab File ID:	3E61844.D	**Injection Time:**	09:19
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	203454	4.96	711655	6.10	371402	8.23	560393	10.43	449426	14.64	326554	16.77
Upper Limit [a]	406908	5.46	1423310	6.60	742804	8.73	1120786	10.93	898852	15.14	653108	17.27
Lower Limit [b]	101727	4.46	355828	5.60	185701	7.73	280197	9.93	224713	14.14	163277	16.27

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
OP75279-MB1	234781	4.96	901693	6.09	493751	8.22	747497	10.42	626803	14.62	521756	16.76
OP75403-MB1	163019	4.96	623988	6.09	334732	8.22	507377	10.42	429392	14.62	357148	16.75
ZZZZZZ	175342	4.96	671759	6.09	358277	8.22	542283	10.42	467062	14.62	394426	16.75
OP75285-MB1	190150	4.96	715039	6.09	376240	8.22	558576	10.42	455025	14.62	371453	16.75
OP75285-BS1	188427	4.96	772862	6.09	323367	8.22	464481	10.42	373679	14.62	312426	16.76
ZZZZZZ	154112	4.96	560560	6.11	283157	8.22	409532	10.42	390420	14.62	338516	16.75
ZZZZZZ	154112	4.96	560560	6.11	283157	8.22	409532	10.42	390420	14.62	338516	16.75
ZZZZZZ	151354	4.96	559611	6.10	286627	8.22	416365	10.42	400585	14.62	356316	16.75
ZZZZZZ	151354	4.96	559611	6.10	286627	8.22	416365	10.42	400585	14.62	356316	16.75
ZZZZZZ	166123	4.95	645275	6.09	343211	8.22	518665	10.42	458120	14.62	401026	16.75
ZZZZZZ	166123	4.95	645275	6.09	343211	8.22	518665	10.42	458120	14.62	401026	16.75
ZZZZZZ	178741	4.95	650488	6.10	336196	8.22	488297	10.42	454270	14.62	405672	16.75
ZZZZZZ	178741	4.95	650488	6.10	336196	8.22	488297	10.42	454270	14.62	405672	16.75
ZZZZZZ	171320	4.95	661733	6.09	363249	8.21	550471	10.42	478869	14.62	420865	16.75
ZZZZZZ	152462	4.96	537147	6.11	257577	8.23	382406	10.43	360085	14.62	325917	16.75
ZZZZZZ	152462	4.96	537147	6.11	257577	8.23	382406	10.43	360085	14.62	325917	16.75
ZZZZZZ	150315	4.95	585754	6.09	303731	8.21	456859	10.42	383989	14.62	316487	16.75
OP75387-MS	156130	4.95	664375	6.09	272838	8.22	392948	10.42	329840	14.62	277905	16.75
OP75387-MSD	154896	4.95	662948	6.09	272501	8.22	393887	10.42	331779	14.62	279999	16.75
JB68342-6	162876	4.95	629922	6.09	341368	8.21	514748	10.41	442281	14.61	371143	16.75
OP75285-MS	166827	4.96	693758	6.09	290032	8.22	408509	10.42	340111	14.62	293277	16.75
OP75285-MSD	181187	4.96	740894	6.09	307719	8.22	438242	10.42	362276	14.62	316983	16.75
JB68173-1	155978	4.95	583280	6.09	302781	8.21	443835	10.41	362723	14.61	323007	16.74
JB68173-2	185456	4.95	675836	6.09	351265	8.21	521272	10.41	426388	14.61	380092	16.75
JB68173-3	184033	4.95	679887	6.09	354054	8.21	517918	10.41	423957	14.61	380619	16.74

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: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2658-CC2646	**Injection Date:**	06/12/14
Lab File ID:	3E61978.D	**Injection Time:**	10:29
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	191706	4.92	712377	6.05	381336	8.18	578302	10.38	470366	14.58	357958	16.72
Upper Limit [a]	383412	5.42	1424754	6.55	762672	8.68	1156604	10.88	940732	15.08	715916	17.22
Lower Limit [b]	95853	4.42	356189	5.55	190668	7.68	289151	9.88	235183	14.08	178979	16.22

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
OP75518-MB1	188135	4.92	729073	6.05	398813	8.18	609661	10.38	522607	14.57	396315	16.71
OP75518-BS1	171576	4.92	659885	6.05	312783	8.18	461233	10.38	393749	14.58	293119	16.71
OP75207A-MB1	189684	4.92	748837	6.05	424624	8.17	670616	10.37	613577	14.57	502756	16.71
JB67921-41	136784	4.92	547427	6.05	271730	8.18	377140	10.37	366367	14.57	317613	16.71
ZZZZZZ	152980	4.92	614201	6.05	339848	8.17	542465	10.37	491675	14.57	403308	16.71
ZZZZZZ	150757	4.92	594100	6.05	332669	8.17	522902	10.37	492293	14.57	406816	16.71
ZZZZZZ	129184	4.92	535548	6.05	300098	8.17	485014	10.37	455022	14.57	382467	16.70
ZZZZZZ	166285	4.92	640017	6.05	354426	8.17	559379	10.37	453616	14.57	337636	16.71
ZZZZZZ	173414	4.92	668069	6.05	364798	8.18	565977	10.38	446966	14.58	351877	16.71
ZZZZZZ	177634	4.92	668045	6.05	362781	8.18	532905	10.38	299327	14.58	224258	16.72
ZZZZZZ	169710	4.92	659188	6.05	345009	8.18	498754	10.37	268721	14.58	228281	16.73
ZZZZZZ	153819	4.92	614866	6.05	328716	8.18	449604	10.38	312683	14.61	410028	16.77
JB68173-11	143110	4.92	561584	6.05	292752	8.17	439344	10.38	361080	14.57	307946	16.71
JB68173-12	149364	4.92	569693	6.05	297240	8.17	430647	10.38	356743	14.57	309548	16.71
JB68173-13	66145[c]	4.92	256919[c]	6.05	125445[c]	8.17	176823[c]	10.38	146387[c]	14.58	116261[c]	16.71
JB68173-14	148015	4.92	571569	6.05	283334	8.18	395062	10.38	300192	14.58	251255	16.72
OP75518-MS	152260	4.92	659602	6.05	280673	8.18	413701	10.38	335332	14.58	273895	16.72
OP75518-MSD	157084	4.92	673731	6.05	289965	8.18	431083	10.38	356395	14.58	295592	16.72
JB68819-62A	162474	4.92	626137	6.05	333928	8.18	506130	10.38	412134	14.58	346222	16.71

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 dilution.

Semivolatile Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2660-CC2646	**Injection Date:**	06/13/14
Lab File ID:	3E62033.D	**Injection Time:**	12:42
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	139936	4.90	524100	6.03	283492	8.15	441807	10.35	356690	14.56	289078	16.69
Upper Limit [a]	279872	5.40	1048200	6.53	566984	8.65	883614	10.85	713380	15.06	578156	17.19
Lower Limit [b]	69968	4.40	262050	5.53	141746	7.65	220904	9.85	178345	14.06	144539	16.19

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
JB68173-13	145303	4.90	555092	6.03	285934	8.15	415456	10.35	305274	14.56	254649	16.69

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: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EZ4582-CC4569 **Injection Date:** 06/04/14
Lab File ID: Z92110.D **Injection Time:** 09:14
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	382632	3.68	1493648	5.02	824001	7.07	1373126	8.87	1357592	12.60	1327536	14.64
Upper Limit [a]	765264	4.18	2987296	5.52	1648002	7.57	2746252	9.37	2715184	13.10	2655072	15.14
Lower Limit [b]	191316	3.18	746824	4.52	412001	6.57	686563	8.37	678796	12.10	663768	14.14

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
OP75302-MB1	282551	3.67	1109565	5.01	623512	7.07	1054619	8.86	1073749	12.58	986360	14.63
OP75302-BS1	268919	3.67	1047977	5.01	578285	7.07	968728	8.87	966270	12.59	922534	14.64
ZZZZZZ	289922	3.67	1131937	5.01	628757	7.07	1061217	8.87	1054039	12.58	921689	14.64
ZZZZZZ	260719	3.68	1032621	5.01	590334	7.07	999448	8.87	1002659	12.59	919668	14.64
ZZZZZZ	275971	3.68	1107327	5.01	612471	7.07	1043819	8.87	1069163	12.59	945692	14.64
ZZZZZZ	274782	3.68	1105902	5.01	612835	7.07	1033054	8.87	1047239	12.59	920604	14.64
ZZZZZZ	292556	3.68	1172301	5.01	657898	7.07	1097797	8.87	1115289	12.59	1002423	14.64
ZZZZZZ	282631	3.68	1125373	5.01	626470	7.07	1042623	8.87	1048571	12.59	945264	14.64
ZZZZZZ	258918	3.68	1030199	5.01	577957	7.07	982164	8.87	995587	12.59	920892	14.64
ZZZZZZ	261274	3.68	1042454	5.01	583538	7.07	1006678	8.87	1028632	12.59	950513	14.64
ZZZZZZ	267388	3.68	1074039	5.01	609062	7.07	1028688	8.87	1051452	12.59	968242	14.64
ZZZZZZ	273974	3.67	1093298	5.01	603800	7.07	1020873	8.87	1033049	12.59	953137	14.64
ZZZZZZ	277083	3.67	1100702	5.01	609960	7.07	1033781	8.87	1058268	12.59	979036	14.64
ZZZZZZ	277083	3.67	1100702	5.01	609960	7.07	1033781	8.87	1058268	12.59	979036	14.64
OP75302-MS	273498	3.68	1083776	5.01	601732	7.07	1013113	8.87	994938	12.60	959191	14.64
OP75302-MSD	284655	3.68	1122607	5.01	626520	7.07	1036088	8.87	1037401	12.60	997521	14.64
JB68170-6	278749	3.67	1103260	5.01	616788	7.07	1038150	8.86	1052199	12.58	980524	14.64
ZZZZZZ	278749	3.67	1103260	5.01	616788	7.07	1038150	8.86	1052199	12.58	980524	14.64
ZZZZZZ	274210	3.67	1079696	5.01	593290	7.07	996609	8.86	1016267	12.58	950367	14.64
ZZZZZZ	271226	3.68	1064026	5.01	598322	7.07	1029186	8.87	1015352	12.59	947718	14.64
JB68173-15	277786	3.67	1108657	5.01	614888	7.07	1037076	8.87	1063083	12.58	988625	14.64

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: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4593-CC4569	**Injection Date:**	06/11/14
Lab File ID:	Z92390.D	**Injection Time:**	09:35
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	279141	3.57	1113387	4.90	635323	6.95	1077346	8.74	1124909	12.45	1048266	14.49
Upper Limit [a]	558282	4.07	2226774	5.40	1270646	7.45	2154692	9.24	2249818	12.95	2096532	14.99
Lower Limit [b]	139571	3.07	556694	4.40	317662	6.45	538673	8.24	562455	11.95	524133	13.99

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
OP75504-MB1	199128	3.57	787406	4.90	428659	6.95	740318	8.74	767183	12.44	686805	14.49
OP75504-BS1	217270	3.57	871920	4.90	483018	6.95	832303	8.74	864940	12.45	752656	14.49
OP75504-BSD	218057	3.57	871756	4.90	484813	6.95	841388	8.74	857842	12.45	739380	14.49
OP75285-MB1	225289	3.57	896528	4.90	489941	6.95	817006	8.74	815388	12.44	747998	14.49
OP75428-MB1	244273	3.57	980363	4.90	538399	6.95	903461	8.74	910533	12.44	850726	14.49
ZZZZZZ	238024	3.57	949810	4.90	524513	6.95	922196	8.74	946591	12.44	867523	14.49
ZZZZZZ	218573	3.57	875091	4.90	472893	6.95	821748	8.74	858726	12.44	795116	14.49
ZZZZZZ	210829	3.57	855973	4.90	471352	6.95	798252	8.74	835828	12.45	772736	14.49
ZZZZZZ	242946	3.57	970777	4.90	536522	6.95	903218	8.74	946478	12.44	858800	14.49
ZZZZZZ	204823	3.57	827772	4.90	453309	6.95	780965	8.74	826919	12.44	745369	14.49
ZZZZZZ	233765	3.57	928123	4.90	502585	6.95	840988	8.74	826923	12.44	778290	14.49
JB68486-1	224561	3.57	834481	4.91	431533	6.98	760736	8.77	813808	12.46	768400	14.49
OP75428-MSD	244958	3.57	909307	4.91	468256	6.99	843338	8.78	935081	12.47	868528	14.50
OP75428-MS	234509	3.57	876846	4.91	458371	6.99	827541	8.78	918190	12.47	845997	14.50
JB68173-4	220969	3.57	872372	4.90	475955	6.95	805722	8.74	802591	12.45	772889	14.49
JB68173-5	213475	3.57	842832	4.90	462192	6.95	768066	8.74	792351	12.45	720620	14.49
JB68173-6	231024	3.57	934747	4.90	526928	6.95	893757	8.74	941869	12.45	828678	14.49
JB68173-7	212802	3.57	840815	4.90	463035	6.95	782139	8.74	805925	12.44	738577	14.49
JB68173-8	221272	3.57	873902	4.90	480938	6.95	801080	8.74	825769	12.44	765228	14.49

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4598-CC4569	**Injection Date:**	06/13/14
Lab File ID:	Z92498.D	**Injection Time:**	12:34
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	324531	3.55	1293513	4.88	727947	6.92	1232793	8.71	1275627	12.41	1171603	14.45
Upper Limit [a]	649062	4.05	2587026	5.38	1455894	7.42	2465586	9.21	2551254	12.91	2343206	14.95
Lower Limit [b]	162266	3.05	646757	4.38	363974	6.42	616397	8.21	637814	11.91	585802	13.95

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
OP75554-MB1	214245	3.54	842944	4.87	468570	6.92	786576	8.70	787102	12.40	723654	14.44
OP75554-BS1	207483	3.54	804236	4.87	441607	6.92	733044	8.71	732741	12.40	667244	14.44
OP75554-BS13	215316	3.54	859285	4.87	472740	6.92	796663	8.70	785941	12.40	715675	14.44
ZZZZZZ	236058	3.54	895063	4.87	481429	6.92	809480	8.70	807492	12.40	740332	14.44
JB68173-9	267437	3.54	1031450	4.87	544739	6.92	868643	8.71	826714	12.40	715410	14.44
JB68173-10	255405	3.54	998689	4.87	512230	6.92	811316	8.70	781530	12.40	685072	14.44
ZZZZZZ	248151	3.54	983262	4.87	550580	6.92	942916	8.70	973602	12.40	896019	14.44
ZZZZZZ	277214	3.54	1097924	4.87	601725	6.92	1026507	8.71	1004583	12.40	885772	14.44
ZZZZZZ	246716	3.54	932498	4.87	512937	6.92	865498	8.70	870237	12.40	796914	14.44
ZZZZZZ	229044	3.54	900953	4.87	493734	6.92	827014	8.70	820146	12.40	750215	14.44
ZZZZZZ	225189	3.54	890144	4.87	486486	6.92	843061	8.71	864851	12.40	799140	14.44
ZZZZZZ	238318	3.54	906351	4.87	480486	6.92	806221	8.70	793702	12.40	725998	14.44
JB68790-1A	234117	3.54	914601	4.87	473002	6.92	808803	8.71	829591	12.40	773284	14.44
ZZZZZZ	199386	3.54	779798	4.87	447290	6.92	754544	8.70	766914	12.40	696106	14.44
OP75554-MS	190560	3.54	740383	4.87	399602	6.92	683094	8.71	707459	12.40	644674	14.44
OP75554-MSD	216222	3.55	819611	4.87	433924	6.92	722240	8.71	697171	12.40	636915	14.44
ZZZZZZ	208736	3.54	820476	4.87	455091	6.92	768999	8.70	792162	12.40	717935	14.44
ZZZZZZ	208177	3.54	818070	4.87	458038	6.92	760827	8.70	777468	12.40	705872	14.44

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: JB68173
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
JB68173-15	Z92134.D	33	27	57	66	65	83
OP75302-BS1	Z92118.D	53	40	113	81	78	101
OP75302-MB1	Z92117.D	42	29	90	81	77	90
OP75302-MS	Z92129.D	79	68	117	96	89	106
OP75302-MSD	Z92130.D	79	68	119	95	88	105

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: JB68173
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
JB68173-1	3E61866.D	88	84	108	96	91	103
JB68173-2	3E61867.D	88	85	118	98	97	103
JB68173-3	3E61868.D	79	75	105	83	84	90
JB68173-4	Z92412.D	79	80	95	85	81	83
JB68173-5	Z92413.D	66	64	79	71	65	71
JB68173-6	Z92414.D	76	77	99	80	75	87
JB68173-7	Z92415.D	76	76	88	83	77	83
JB68173-8	Z92416.D	88	87	107	95	86	98
JB68173-9	Z92505.D	77	75	96	74	79	88
JB68173-10	Z92506.D	73	70	87	83	75	82
JB68173-11	3E61995.D	75	75	96	71	76	85
JB68173-12	3E61996.D	74	74	94	62	77	81
JB68173-13	3E61997.D	48	48	61	48	48	45
JB68173-13	3E62034.D	47	45	54	45	48	46
JB68173-14	3E61998.D	39	39	37	41	33	31
OP75285-BS1	3E61853.D	81	80	97	77	81	92
OP75285-MB1	3E61852.D	81	80	110	89	87	95
OP75285-MB1	Z92397.D	80	81	90	91	82	92
OP75285-MS	3E61864.D	75	75	93	70	79	87
OP75285-MSD	3E61865.D	76	75	86	73	79	82

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%

Initial Calibration Summary

Job Number: JB68173 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61400.D 5 =3E61399.D 25 =3E61397.D 80 =3E61395.D
100 =3E61394.D 50 =3E61396.D 1 =3E61401.D 10 =3E61398.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.774	0.754	0.672	0.734	0.707	0.662	0.741	0.725	0.721 5.39
3) Pyridine	1.772	1.830	1.724	1.868	1.756	1.686	1.754	1.784	1.772 3.24
4) N-Nitrosodim	0.979	1.004	1.020	1.009	0.946	1.014	0.925	0.985	0.985 3.49
5) 2-Fluorophen	1.272	1.350	1.444	1.417	1.340	1.424	1.223	1.343	1.352 5.68
6) Indene	2.843	2.956	2.612	2.462	2.221	2.454	2.841	2.883	2.659 9.85
7) Cumene	4.045	4.119	3.670	3.452	3.165	3.473	4.040	4.004	3.746 9.50
8) Phenol-d5	1.602	1.703	1.793	1.707	1.614	1.748	1.545	1.685	1.675 4.89
9) Phenol	1.852	1.935	1.958	1.971	1.842	2.043	1.929	1.909	1.930 3.36
10) Aniline	2.294	2.232	2.230	1.748	1.634	2.084	2.163	2.054	2.055 11.68
11) bis(2-Chloro	1.372	1.403	1.400	1.340	1.259	1.358	1.368	1.365	1.358 3.33
12) 2-Chlorophen	1.433	1.542	1.551	1.505	1.426	1.516	1.512	1.500	1.498 3.07
13) Decane	1.798	1.843	1.622	1.433	1.232	1.524	1.745	1.787	1.623 13.16
14) 1,3-Dichloro	1.639	1.661	1.655	1.514	1.456	1.597	1.680	1.608	1.601 4.90
15) 1,4-Dichloro	1.636	1.648	1.652	1.495	1.422	1.577	1.709	1.594	1.591 5.85
16) Benzyl alcoh	0.914	0.984	1.023	0.980	0.928	1.008	0.897	0.960	0.962 4.72
17) 1,2-Dichloro	1.533	1.530	1.525	1.364	1.283	1.458	1.610	1.497	1.475 7.12
18) Acetophenone	2.284	2.351	2.053	1.924	1.736	1.942	2.257	2.270	2.102 10.50
19) 2-Methylphen	1.221	1.366	1.333	1.265	1.178	1.292	1.252	1.319	1.278 4.84
20) 2,2'-oxybis(	0.523	0.530	0.524	0.485	0.445	0.508	0.507	0.514	0.504 5.49
21) 3&4-Methylph	1.281	1.418	1.459	1.320	1.194	1.413	1.335	1.420	1.355 6.55
22) n-Nitroso-di	0.974	1.005	1.005	0.843	0.768	0.941	0.954	0.974	0.933 9.03
23) Hexachloroet	0.459	0.456	0.455	0.399	0.403	0.429	0.438	0.444	0.436 5.37
24) I Naphthalene-d8	ISTD								
25) Nitrobenzene	0.319	0.358	0.363	0.364	0.344	0.362	0.312	0.352	0.347 5.93
26) Nitrobenzene	0.371	0.399	0.405	0.391	0.369	0.399	0.382	0.393	0.389 3.47
27) Quinoline	0.821	0.865	0.741	0.810	0.777	0.720	0.798	0.837	0.796 6.10
28) Isophorone	0.650	0.692	0.704	0.662	0.626	0.694	0.617	0.683	0.666 4.86
29) 2-Nitropheno	0.152	0.183	0.200	0.214	0.207	0.205	0.147	0.189	0.187 13.51
30) 2,4-Dimethyl	0.198	0.279	0.328	0.342	0.332	0.341	0.241	0.293	0.294 17.93
31) Benzoic acid		0.155	0.226	0.286	0.271	0.258		0.193	0.232 21.80
----- Linear regression ----- Coefficient = 0.9971									
Response Ratio = -0.02489 + 0.28613 *A									
32) bis(2-Chloro	0.399	0.413	0.406	0.399	0.380	0.403	0.396	0.399	0.399 2.35
33) 2,4-Dichloro	0.262	0.287	0.285	0.279	0.275	0.278	0.256	0.282	0.275 4.03
34) 2,6-Dichloro	0.265	0.280	0.272	0.266	0.259	0.265	0.259	0.272	0.267 2.68
35) 1,3,5-Trichl	0.388	0.397	0.330	0.340	0.346	0.316	0.391	0.373	0.360 8.62
36) 1,2,4-Trichl	0.323	0.325	0.305	0.274	0.272	0.291	0.321	0.307	0.302 7.09
37) 1,2,3-Trichl	0.355	0.356	0.292	0.287	0.276	0.272	0.361	0.334	0.317 12.27
38) Naphthalene	1.148	1.145	1.086	0.983	0.924	1.047	1.220	1.099	1.081 8.82
39) 4-Chloroanil	0.455	0.474	0.481	0.427	0.406	0.465	0.442	0.463	0.452 5.58
40) 2,3-Dichloro	0.387	0.407	0.357	0.376	0.359	0.346	0.379	0.395	0.376 5.49
41) Caprolactam	0.164	0.186	0.177	0.213	0.199	0.179	0.141	0.189	0.181 11.97
42) Hexachlorobu	0.147	0.147	0.138	0.123	0.124	0.129	0.154	0.140	0.138 8.51

Initial Calibration Summary

Job Number: JB68173 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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43) 4-Chloro-3-m 0.262 0.298 0.306 0.310 0.297 0.307 0.260 0.296 0.292   6.84
44) 2-Methylnaph 0.631 0.653 0.646 0.612 0.582 0.632 0.646 0.630 0.629   3.65
45) 1-Methylnaph 0.727 0.741 0.643 0.682 0.644 0.626 0.724 0.713 0.687   6.54
46) Dimethylnaph 0.721 0.746 0.647 0.676 0.649 0.623 0.699 0.725 0.686   6.39

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.243 0.283 0.286 0.287 0.299 0.287 0.220 0.281 0.273   9.88
49) 2,4,6-Trichl 0.286 0.328 0.334 0.318 0.317 0.331 0.275 0.330 0.315   7.11
50) 2,4,5-Trichl 0.314 0.348 0.350 0.328 0.323 0.336 0.297 0.343 0.330   5.50
51) 2-Fluorobiph 1.262 1.284 1.276 1.156 1.121 1.239 1.247 1.233 1.227   4.74
52) 2-Chloronaph 1.179 1.204 1.172 1.031 1.005 1.136 1.178 1.150 1.132   6.50
53) Biphenyl     1.798 1.841 1.629 1.699 1.633 1.617 1.759 1.806 1.723   5.21
54) 2-Nitroanili 0.262 0.322 0.380 0.408 0.387 0.399       0.343 0.357  14.56
55) Dimethylphth 1.191 1.229 1.213 1.167 1.140 1.188 1.272 1.198 1.200   3.32
56) Acenaphthyle 1.806 1.917 1.919 1.819 1.751 1.922 1.707 1.880 1.840   4.49
57) 2,6-Dinitrot 0.181 0.235 0.272 0.283 0.274 0.288 0.152 0.250 0.242  20.75
            ----- Linear regression -----  Coefficient =  0.9991
              Response Ratio = -0.00341 + 0.28025 *A

58) 3-Nitroanili 0.264 0.320 0.369 0.379 0.365 0.382 0.206 0.342 0.328  19.14
59) Acenaphthene 1.159 1.194 1.213 1.159 1.122 1.205 1.194 1.174 1.178   2.54
60) 2,4-Dinitrop             0.110 0.148 0.143 0.131       0.085 0.123  20.92
            ----- Linear regression -----  Coefficient =  0.9974
              Response Ratio = -0.04482 + 0.15372 *A

61) 4-Nitropheno       0.143 0.168 0.189 0.180 0.177       0.153 0.168  10.42
62) Dibenzofuran 1.598 1.615 1.579 1.493 1.448 1.578 1.696 1.556 1.570   4.81
63) 2,4-Dinitrot 0.228 0.317 0.377 0.389 0.377 0.391 0.173 0.339 0.324  25.22
            ----- Linear regression -----  Coefficient =  0.9993
              Response Ratio = -0.00585 + 0.38559 *A

64) 2,3,4,6-Tetr 0.202 0.242 0.255 0.248 0.247 0.256 0.171 0.247 0.233  13.07
65) Diethylphtha 1.104 1.207 1.235 1.213 1.174 1.236 1.111 1.210 1.186   4.41
66) Fluorene     1.225 1.312 1.345 1.317 1.269 1.345 1.254 1.308 1.297   3.35
67) 4-Chlorophen 0.555 0.575 0.538 0.504 0.504 0.512 0.541 0.546 0.534   4.80
68) 4-Nitroanili 0.275 0.339 0.386 0.363 0.348 0.389 0.232 0.357 0.336  16.38

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-             0.104 0.124 0.120 0.117       0.084 0.110  14.76
71) n-Nitrosodip 0.534 0.576 0.590 0.587 0.560 0.594 0.515 0.581 0.567   5.07
72) 1,2-Diphenyl 0.835 0.906 0.975 0.938 0.882 0.991 0.757 0.920 0.900   8.47
73) 2,4,6-Tribro 0.062 0.075 0.080 0.071 0.070 0.077 0.052 0.074 0.070  13.15
74) 4-Bromopheny 0.183 0.191 0.192 0.179 0.176 0.188 0.186 0.193 0.186   3.35
75) Hexachlorobe 0.208 0.214 0.200 0.174 0.168 0.190 0.212 0.198 0.196   8.65
76) Pentachlorop 0.082 0.111 0.127 0.133 0.132 0.128       0.120 0.119  15.15
77) Phenanthrene 1.129 1.155 1.165 1.091 1.040 1.157 1.156 1.135 1.128   3.81
78) Anthracene   1.062 1.143 1.187 1.081 1.026 1.169 1.020 1.136 1.103   5.86
79) Carbazole    1.189 1.296 1.190 1.288 1.227 1.188 1.113 1.296 1.224   5.38
80) Di-n-butylph 1.034 1.245 1.375 1.390 1.322 1.413 0.999 1.301 1.260  12.67
81) Fluoranthene 1.024 1.145 1.215 1.213 1.177 1.234 0.999 1.160 1.146   7.72
82) Octadecane   0.562 0.666 0.659 0.706 0.639 0.679 0.497 0.690 0.637  11.23

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.241 1.368 1.426 1.477 1.428 1.450 1.191 1.352 1.367   7.49
85) Terphenyl-d1 0.795 0.861 0.891 0.884 0.861 0.882 0.754 0.839 0.846   5.71
86) Butylbenzylp 0.419 0.558 0.673 0.806 0.775 0.723       0.598 0.650  20.85
         ----- Quadratic regression -----                Coefficient =  0.9981
              Response Ratio = -0.03032 + 0.73780 *A + 0.02501 *A^2

87) Butyl steara 0.253 0.373 0.496 0.541 0.500 0.539       0.407 0.444  23.85
```

8.7.1

8

Initial Calibration Summary

Job Number: JB68173 **Sample:** E3E2646-ICC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61396.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 88) Benzo[a]anth 1.154 1.211 1.260 1.314 1.289 1.262 1.207 1.197 1.237   4.32
 89) 3,3'-Dichlor 0.315 0.386 0.447 0.503 0.508 0.469       0.411 0.434  15.94
 90) Chrysene     1.021 1.044 1.068 0.992 0.943 1.046 1.001 1.018 1.017   3.83
 91) bis(2-Ethylh 0.529 0.724 0.874 0.981 0.924 0.933       0.781 0.821  19.12

 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 0.906 1.373 1.734 2.154 2.081 1.907       1.569 1.675  26.07
          ----- Quadratic regression -----                Coefficient =  0.9980
               Response Ratio = -0.08746 + 1.91743 *A + 0.09439 *A^2

 94) Benzo[b]fluo 1.109 1.338 1.450 1.579 1.523 1.435 1.002 1.374 1.351  14.78
 95) Benzo[k]fluo 1.236 1.323 1.300 1.073 1.038 1.251 1.166 1.338 1.215   9.32
 96) Benzo[a]pyre 0.978 1.112 1.197 1.203 1.161 1.190 0.893 1.151 1.111  10.31
 97) Indeno[1,2,3 0.906 1.054 1.212 1.364 1.292 1.251 0.866 1.137 1.135  15.87
 98) Dibenz(a,h)a 0.923 1.089 1.054 1.313 1.285 1.087 0.851 1.153 1.095  14.56
 99) Dibenz[a,h]a 0.971 1.114 1.168 1.140 1.093 1.151 0.965 1.137 1.092   7.33
100) 7,12-Dimethy 0.151 0.272 0.636 0.873 0.877 0.697       0.401 0.558  51.65
          ----- Quadratic regression -----                Coefficient =  0.9976
               Response Ratio = -0.04720 + 0.63618 *A + 0.11025 *A^2

101) Benzo[g,h,i] 0.952 1.088 1.163 1.193 1.147 1.158 0.958 1.136 1.099   8.55

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

           M3E2646.M         Fri Jun 06 09:21:54 2014   MS3E
```

8.7.1

8

Initial Calibration Summary

Job Number: JB68173 **Sample:** E3E2647-ICC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61405.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2647.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61409.D 5 =3E61408.D 25 =3E61406.D 80 =3E61404.D
100 =3E61403.D 50 =3E61405.D 1 =3E61410.D 10 =3E61407.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	ISTD								
103) Benzaldehyde	1.012	1.108	1.170	1.061	0.954	1.131	0.983	1.133	1.069 7.40
104) Acenaphthene-d10a	ISTD								
105) 1,2,4,5-Tetr	0.469	0.491	0.491	0.497	0.511	0.482	0.465	0.478	0.486 3.16
106) Phenanthrene-d10a	ISTD								
107) Atrazine	0.069	0.090	0.114	0.119	0.120	0.113		0.106	0.104 17.72
108) o-Terphenyl	0.457	0.519	0.552	0.565	0.569	0.551	0.452	0.536	0.525 8.83
109) 1-Chloroocta	0.202	0.277	0.367	0.371	0.360	0.371		0.339	0.327 19.67
110) I Chrysene-d12a	ISTD								
111) benzidine		0.614	0.883	0.592		0.808		0.780	0.736 17.23
112) I Naphthalene-d8a	ISTD								
113) Hydroquinone		0.202	0.331	0.333	0.334	0.339		0.277	0.303 17.91

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

M3E2646.M Fri Jun 06 10:04:47 2014 MS3E

8.7.2

8

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61412.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61412.D Vial: 19
Acq On : 5 Jun 2014 1:59 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.98
3	t	Pyridine	1.772	1.508	14.9	108	0.00	2.89
4	t	N-Nitrosodimethylamine	0.985	0.892	9.4	106	0.00	2.85
11	t	bis(2-Chloroethyl)ether	1.358	1.303	4.1	116	0.00	4.76
14	t	1,3-Dichlorobenzene	1.601	1.459	8.9	110	0.00	4.94
15	t	1,4-Dichlorobenzene	1.591	1.430	10.1	109	0.00	4.99
16	t	Benzyl alcohol	0.962	0.867	9.9	104	0.00	5.09
17	t	1,2-Dichlorobenzene	1.475	1.324	10.2	110	0.00	5.12
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.466	7.5	111	0.00	5.19
22	t	n-Nitroso-di-n-propylamin	0.933	0.861	7.7	110	0.00	5.30
23	t	Hexachloroethane	0.436	0.415	4.8	117	0.00	5.41
24	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00	6.12
26	t	Nitrobenzene	0.389	0.332	14.7	98	0.00	5.45
28	t	Isophorone	0.666	0.583	12.5	99	0.00	5.66
32	t	bis(2-Chloroethoxy)methan	0.399	0.389	2.5	114	0.00	5.86
36	t	1,2,4-Trichlorobenzene	0.302	0.282	6.6	114	0.00	6.06
38	t	Naphthalene	1.081	0.960	11.2	108	0.00	6.14
42	t	Hexachlorobutadiene	0.138	0.127	8.0	116	0.00	6.28
44	t	2-Methylnaphthalene	0.629	0.561	10.8	104	0.00	6.90
47	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00	8.26
48	t	Hexachlorocyclopentadiene	0.273	0.246	9.9	98	0.00	7.11
52	t	2-Chloronaphthalene	1.132	1.082	4.4	109	0.00	7.51
54	t	2-Nitroaniline	0.357	0.302	15.4	86	0.00	7.64
55	t	Dimethylphthalate	1.200	1.109	7.6	107	0.00	7.89
56	t	Acenaphthylene	1.840	1.476	19.8	88	0.00	8.06
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	40.902	18.2	90	0.00	7.96
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.328	0.259	21.0	78	0.00	8.19
59	t	Acenaphthene	1.178	1.127	4.3	107	0.00	8.31
62	t	Dibenzofuran	1.570	1.417	9.7	103	0.00	8.55
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	35.217	29.6	78	0.01	8.53
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.186	1.079	9.0	100	0.00	8.90
66	t	Fluorene	1.297	1.210	6.7	103	0.00	9.04

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61412.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

67	t	4-Chlorophenyl-phenylethe	0.534	0.498	6.7	111	0.00	9.05
68	t	4-Nitroaniline	0.336	0.294	12.5	86	0.02	9.08
69	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00	10.46
71	t	n-Nitrosodiphenylamine	0.567	0.563	0.7	103	0.00	9.23
72	t	1,2-Diphenylhydrazine	0.900	0.844	6.2	93	0.00	9.29
74	t	4-Bromophenyl-phenylether	0.186	0.183	1.6	106	0.00	9.79
75	t	Hexachlorobenzene	0.196	0.179	8.7	102	0.00	9.88
77	t	Phenanthrene	1.128	1.047	7.2	98	0.00	10.49
78	t	Anthracene	1.103	1.045	5.3	97	0.00	10.57
79	t	Carbazole	1.224	1.017	16.9	93	0.00	10.84
80	t	Di-n-butylphthalate	1.260	1.203	4.5	93	0.00	11.45
81	t	Fluoranthene	1.146	1.039	9.3	91	0.00	12.36
83	I	Chrysene-d12	1.000	1.000	0.0	100	0.00	14.66
84	t	Pyrene	1.367	1.316	3.7	91	0.00	12.72
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	50.000	41.874	16.3	85	0.00	13.84
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.237	1.122	9.3	89	0.00	14.64
90	t	Chrysene	1.017	0.994	2.3	95	0.01	14.70
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.784	4.5	84	0.00	14.80
92	I	Perylene-d12	1.000	1.000	0.0	98	0.00	16.79
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	41.146	17.7	81	0.00	15.78
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.351	1.222	9.5	83	0.00	16.25
95	t	Benzo[k]fluoranthene	1.215	1.179	3.0	92	0.01	16.30
96	t	Benzo[a]pyrene	1.111	1.097	1.3	90	0.01	16.71
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.032	9.1	80	0.02	18.52
99	t	Dibenz[a,h]anthracene	1.092	1.031	5.6	87	0.02	18.56
101	t	Benzo[g,h,i]perylene	1.099	1.039	5.5	88	0.02	19.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:24:08 2014 MS3E

8.7.3

8

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61414.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61414.D Vial: 21
Acq On : 5 Jun 2014 2:54 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	0.00	4.98
5	S	2-Fluorophenol	1.352	1.184	12.4	112	0.00	3.98
8	S	Phenol-d5	1.675	1.378	17.7	106	0.00	4.68
24	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00	6.12
25	S	Nitrobenzene-d5	0.347	0.301	13.3	112	0.00	5.44
47	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00	8.25
51	S	2-Fluorobiphenyl	1.227	1.166	5.0	128	0.00	7.35
69	I	Phenanthrene-d10	1.000	1.000	0.0	131	0.00	10.46
73	S	2,4,6-Tribromophenol	0.070	0.067	4.3	114	0.00	9.40
83	I	Chrysene-d12	1.000	1.000	0.0	118	0.00	14.65
85	S	Terphenyl-d14	0.846	0.851	-0.6	114	0.00	13.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:28:00 2014 MS3E

8.7.4

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61415.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61415.D Vial: 22
Acq On : 5 Jun 2014 3:22 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00	4.98
10	Aniline	2.055	2.235	-8.8	151	0.00	4.72
24 I	Naphthalene-d8	1.000	1.000	0.0	148	0.00	6.12
39 t	4-Chloroaniline	0.452	0.461	-2.0	146	0.00	6.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:29:37 2014 MS3E

8.7.5

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61416A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61416a.D Vial: 23
Acq On : 5 Jun 2014 3:49 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110 I	Chrysene-d12a	1.000	1.000	0.0	177	0.00	14.66
111 T	benzidine	0.736	0.765	-3.9	168	0.00	12.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:01:00 2014 MS3E

8.7.6

8

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61416.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61416.D Vial: 23
Acq On : 5 Jun 2014 3:49 am Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	181	0.00	14.66
89 t	3,3'-Dichlorobenzidine	0.434	0.386	11.1	149	0.00	14.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 09:30:43 2014 MS3E

8.7.7

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61417.D Vial: 24
Acq On : 5 Jun 2014 4:16 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	128	0.00	6.12
113 T	Hydroquinone	0.303	0.335	-10.6	127	0.01	6.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:02:06 2014 MS3E

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2648-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61421.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61421.D Vial: 2
Acq On : 5 Jun 2014 12:37 pm Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	-0.01	4.97
9	t	Phenol	1.930	1.780	7.8	107	0.00	4.68
12	t	2-Chlorophenol	1.498	1.473	1.7	120	0.00	4.81
19	t	2-Methylphenol	1.278	1.321	-3.4	126	-0.01	5.16
21	t	3&4-Methylphenol	1.355	1.360	-0.4	118	-0.01	5.28
24	I	Naphthalene-d8	1.000	1.000	0.0	121	-0.01	6.11
29	t	2-Nitrophenol	0.187	0.209	-11.8	123	-0.01	5.73
30	t	2,4-Dimethylphenol	0.294	0.351	-19.4	125	-0.01	5.76
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	41.649	16.7	103	0.05	5.87
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.275	0.295	-7.3	128	-0.01	5.96
34	t	2,6-Dichlorophenol	0.267	0.286	-7.1	131	0.00	6.19
43	t	4-Chloro-3-methylphenol	0.292	0.293	-0.3	116	-0.01	6.70
47	I	Acenaphthene-d10	1.000	1.000	0.0	126	-0.01	8.25
49	t	2,4,6-Trichlorophenol	0.315	0.355	-12.7	135	-0.01	7.24
50	t	2,4,5-Trichlorophenol	0.330	0.364	-10.3	136	0.00	7.28
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	83.364	16.6	88	0.00	8.32
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.168	0.145	13.7	103	0.00	8.43
64		2,3,4,6-Tetrachlorophenol	0.233	0.261	-12.0	128	0.00	8.72
69	I	Phenanthrene-d10	1.000	1.000	0.0	121	-0.01	10.44
70	t	4,6-Dinitro-2-methylpheno	0.110	0.112	-1.8	116	-0.01	9.11
76	t	Pentachlorophenol	0.119	0.138	-16.0	130	-0.01	10.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:09:03 2014 MS3E

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2648-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61422A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61422a.D Vial: 3
Acq On : 5 Jun 2014 1:05 pm Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	128	0.00	4.98
103	Benzaldehyde	1.069	1.319	-23.4	149	0.00	4.64
106	Phenanthrene-d10a	1.000	1.000	0.0	110	-0.01	10.44
107	Atrazine	0.104	0.137	-31.7#	134	0.00	10.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:24:54 2014 MS3E

8.7.10

8

Initial Calibration Verification

Job Number: JB68173 **Sample:** E3E2648-ICV2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61422.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61422.D Vial: 3
Acq On : 5 Jun 2014 1:05 pm Operator: olgaa
Sample : icv2646-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	4.98
2	t	1,4-Dioxane	0.721	0.776	-7.6	142	0.01	2.59
6	t	Indene	2.659	2.830	-6.4	140	0.00	5.19
7	t	Cumene	3.746	3.688	1.5	129	0.00	4.37
13	t	Decane	1.623	1.556	4.1	124	0.00	4.84
18	t	Acetophenone	2.102	2.052	2.4	128	0.00	5.30
24	I	Naphthalene-d8	1.000	1.000	0.0	143	0.00	6.12
27	t	Quinoline	0.796	0.679	14.7	135	0.00	6.49
40	t	2,3-Dichloroaniline	0.376	0.258	31.4#	107	0.00	7.24
41	t	Caprolactam	0.181	0.137	24.3	109	0.01	6.53
45	t	1-Methylnaphthalene	0.687	0.562	18.2	129	0.00	7.02
46	t	Dimethylnaphthalene	0.686	0.570	16.9	131	0.00	7.68
47	I	Acenaphthene-d10	1.000	1.000	0.0	118	-0.01	8.25
53	t	Biphenyl	1.723	1.777	-3.1	130	0.00	7.48
69	I	Phenanthrene-d10	1.000	1.000	0.0	115	-0.01	10.44
82	t	Octadecane	0.637	0.674	-5.8	114	0.00	10.38
92	I	Perylene-d12	1.000	1.000	0.0	107	-0.02	16.77
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	52.350	-4.7	120	0.00	16.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:21:16 2014 MS3E

8.7.11
8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2653-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61844.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2653\3E61844.D Vial: 2
Acq On : 9 Jun 2014 9:19 am Operator: saumilp
Sample : CC2646-50 Inst : MS3E
Misc : op74977,e3e2653 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 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	89	-0.02	4.96
2	t	1,4-Dioxane	0.721	0.717	0.6	96	-0.04	2.54
3	t	Pyridine	1.772	1.766	0.3	93	-0.03	2.86
4	t	N-Nitrosodimethylamine	0.985	0.980	0.5	86	-0.03	2.82
5	S	2-Fluorophenol	1.352	1.334	1.3	83	-0.01	3.97
6	t	Indene	2.659	2.613	1.7	95	-0.02	5.17
7	t	Cumene	3.746	3.795	-1.3	97	-0.02	4.35
8	S	Phenol-d5	1.675	1.620	3.3	83	0.00	4.67
9	t	Phenol	1.930	1.879	2.6	82	0.00	4.68
10		Aniline	2.055	1.671	18.7	71	-0.02	4.70
11	t	bis(2-Chloroethyl)ether	1.358	1.251	7.9	82	-0.02	4.74
12	t	2-Chlorophenol	1.498	1.409	5.9	83	-0.02	4.80
13	t	Decane	1.623	1.739	-7.1	102	-0.03	4.82
14	t	1,3-Dichlorobenzene	1.601	1.525	4.7	85	-0.02	4.91
15	t	1,4-Dichlorobenzene	1.591	1.506	5.3	85	-0.02	4.97
16	t	Benzyl alcohol	0.962	0.936	2.7	83	-0.02	5.06
17	t	1,2-Dichlorobenzene	1.475	1.359	7.9	83	-0.02	5.10
18	t	Acetophenone	2.102	1.989	5.4	91	-0.02	5.29
19	t	2-Methylphenol	1.278	1.216	4.9	84	-0.01	5.16
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.474	6.0	83	-0.02	5.17
21	t	3&4-Methylphenol	1.355	1.324	2.3	83	-0.01	5.28
22	t	n-Nitroso-di-n-propylamin	0.933	0.888	4.8	84	-0.02	5.28
23	t	Hexachloroethane	0.436	0.420	3.7	87	-0.03	5.38
24	I	Naphthalene-d8	1.000	1.000	0.0	85	-0.03	6.10
25	S	Nitrobenzene-d5	0.347	0.360	-3.7	85	-0.02	5.42
26	t	Nitrobenzene	0.389	0.387	0.5	82	-0.02	5.43
27	t	Quinoline	0.796	0.758	4.8	90	-0.02	6.47
28	t	Isophorone	0.666	0.651	2.3	80	-0.02	5.65
29	t	2-Nitrophenol	0.187	0.211	-12.8	88	-0.02	5.72
30	t	2,4-Dimethylphenol	0.294	0.323	-9.9	80	-0.02	5.75
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	47.573	4.9	83	0.05	5.87
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.399	0.378	5.3	80	-0.03	5.83
33	t	2,4-Dichlorophenol	0.275	0.269	2.2	82	-0.02	5.96
34	t	2,6-Dichlorophenol	0.267	0.249	6.7	80	-0.02	6.18
35		1,3,5-Trichlorobenzene	0.360	0.350	2.8	94	-0.02	5.74
36	t	1,2,4-Trichlorobenzene	0.302	0.278	7.9	81	-0.03	6.04
37		1,2,3-Trichlorobenzene	0.317	0.291	8.2	91	-0.03	6.27

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2653-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61844.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.081	0.989	8.5	80	-0.03	6.12
39	t	4-Chloroaniline	0.452	0.404	10.6	74	-0.02	6.17
40	t	2,3-Dichloroaniline	0.376	0.351	6.6	86	-0.02	7.22
41	t	Caprolactam	0.181	0.006#	96.7#	3#	-0.02	6.51
42	t	Hexachlorobutadiene	0.138	0.129	6.5	85	-0.03	6.25
43	t	4-Chloro-3-methylphenol	0.292	0.295	-1.0	82	0.00	6.70
44	t	2-Methylnaphthalene	0.629	0.585	7.0	79	-0.03	6.88
45	t	1-Methylnaphthalene	0.687	0.657	4.4	89	-0.02	7.00
46	t	Dimethylnaphthalene	0.686	0.640	6.7	87	-0.02	7.66
47	I	Acenaphthene-d10	1.000	1.000	0.0	86	-0.03	8.23
48	t	Hexachlorocyclopentadiene	0.273	0.283	-3.7	85	-0.03	7.07
49	t	2,4,6-Trichlorophenol	0.315	0.316	-0.3	82	-0.02	7.22
50	t	2,4,5-Trichlorophenol	0.330	0.321	2.7	82	0.00	7.28
51	S	2-Fluorobiphenyl	1.227	1.111	9.5	77	-0.03	7.33
52	t	2-Chloronaphthalene	1.132	1.004	11.3	76	-0.02	7.48
53	t	Biphenyl	1.723	1.641	4.8	87	-0.03	7.45
54	t	2-Nitroaniline	0.357	0.391	-9.5	84	-0.02	7.61
55	t	Dimethylphthalate	1.200	1.112	7.3	81	-0.02	7.86
56	t	Acenaphthylene	1.840	1.725	6.2	77	-0.02	8.03
		----------	True	Calc.	% Drift		----------	
57	t	2,6-Dinitrotoluene	50.000	48.953	2.1	81	-0.02	7.94
		----------	AvgRF	CCRF	% Dev		----------	
58	t	3-Nitroaniline	0.328	0.337	-2.7	76	-0.02	8.17
59	t	Acenaphthene	1.178	1.078	8.5	77	-0.03	8.27
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	94.531	5.5	84	0.00	8.33
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.168	0.175	-4.2	85	0.00	8.43
62	t	Dibenzofuran	1.570	1.399	10.9	76	-0.02	8.52
		----------	True	Calc.	% Drift		----------	
63	t	2,4-Dinitrotoluene	50.000	48.531	2.9	81	0.00	8.51
		----------	AvgRF	CCRF	% Dev		----------	
64		2,3,4,6-Tetrachlorophenol	0.233	0.241	-3.4	81	-0.02	8.71
65	t	Diethylphthalate	1.186	1.161	2.1	81	-0.03	8.87
66	t	Fluorene	1.297	1.229	5.2	79	-0.02	9.02
67	t	4-Chlorophenyl-phenylethe	0.534	0.492	7.9	83	-0.03	9.02
68	t	4-Nitroaniline	0.336	0.293	12.8	65	0.00	9.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	89	-0.02	10.43
70	t	4,6-Dinitro-2-methylpheno	0.110	0.113	-2.7	86	0.00	9.11
71	t	n-Nitrosodiphenylamine	0.567	0.528	6.9	79	-0.02	9.20
72	t	1,2-Diphenylhydrazine	0.900	0.879	2.3	79	-0.02	9.26
73	S	2,4,6-Tribromophenol	0.070	0.074	-5.7	85	-0.02	9.37
74	t	4-Bromophenyl-phenylether	0.186	0.171	8.1	81	-0.03	9.76
75	t	Hexachlorobenzene	0.196	0.172	12.2	80	-0.02	9.86
76	t	Pentachlorophenol	0.119	0.118	0.8	82	-0.02	10.16
77	t	Phenanthrene	1.128	1.005	10.9	77	-0.02	10.47
78	t	Anthracene	1.103	1.008	8.6	76	-0.02	10.55
79	t	Carbazole	1.224	1.162	5.1	87	-0.02	10.81
80	t	Di-n-butylphthalate	1.260	1.324	-5.1	83	-0.03	11.42
81	t	Fluoranthene	1.146	1.090	4.9	78	-0.02	12.34
82	t	Octadecane	0.637	0.731	-14.8	95	-0.03	10.35

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2653-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61844.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	81	-0.02	14.64
84	t	Pyrene	1.367	1.406	-2.9	79	-0.02	12.70
85	S	Terphenyl-d14	0.846	0.865	-2.2	80	-0.02	12.99
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	50.000	49.812	0.4	83	-0.03	13.81
		----------	AvgRF	CCRF	% Dev	----------		
87		Butyl stearate	0.444	0.568	-27.9#	86	-0.04	13.96
88	t	Benzo[a]anthracene	1.237	1.198	3.2	77	-0.02	14.62
89	t	3,3'-Dichlorobenzidine	0.434	0.414	4.6	71	-0.02	14.61
90	t	Chrysene	1.017	0.854	16.0	66	-0.01	14.68
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.925	-12.7	80	-0.03	14.77
92	I	Perylene-d12	1.000	1.000	0.0	69	-0.02	16.77
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	56.959	-13.9	82	-0.03	15.75
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.351	1.527	-13.0	73	-0.01	16.24
95	t	Benzo[k]fluoranthene	1.215	1.038	14.6	57	0.00	16.28
96	t	Benzo[a]pyrene	1.111	1.111	0.0	64	-0.01	16.69
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.264	-11.4	69	0.00	18.49
98	t	Dibenz(a,h)acridine	1.095	1.058	3.4	67	-0.01	18.09
99	t	Dibenz[a,h]anthracene	1.092	0.983	10.0	59	-0.01	18.53
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	50.000	49.332	1.3	71	0.00	16.24
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.099	0.986	10.3	58	0.00	18.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Mon Jun 09 12:57:03 2014 MS3E

8.7.12

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2653-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2653\3E61845.D Vial: 3
Acq On : 9 Jun 2014 9:47 am Operator: saumilp
Sample : CC2647-50 Inst : MS3E
Misc : op74977,e3e2653 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 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	93	-0.02	4.96
103	Benzaldehyde	1.069	1.031	3.6	85	-0.02	4.61
104	Acenaphthene-d10a	1.000	1.000	0.0	95	-0.03	8.22
105	1,2,4,5-Tetrachlorobenzen	0.486	0.451	7.2	89	-0.02	7.09
106	Phenanthrene-d10a	1.000	1.000	0.0	96	-0.03	10.43
107	Atrazine	0.104	0.115	-10.6	98	-0.02	10.04
108 I	Chrysene-d12a	1.000	1.000	0.0	89	-0.02	14.63
109 T	benzidine	0.736	0.500	32.1#	55	-0.03	12.58
110 I	Naphthalene-d8a	1.000	1.000	0.0	94	-0.03	6.10
111 T	Hydroquinone	0.303	0.361	-19.1	100	-0.02	6.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Mon Jun 09 15:29:23 2014 MS3E

8.7.13

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2658-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61978.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2658\3E61978.D Vial: 2
Acq On : 12 Jun 2014 10:29 am Operator: harpreek
Sample : cc2646-25 Inst : MS3E
Misc : op75429,e3e2658 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 12 13:53:45 2014
Last Update : Thu Jun 12 13:53:45 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	81	0.00	4.92
2	t	1,4-Dioxane	0.721	0.712	1.2	85	0.00	2.50
3	t	Pyridine	1.772	1.815	-2.4	85	0.00	2.82
4	t	N-Nitrosodimethylamine	0.985	1.005	-2.0	79	0.00	2.78
5	S	2-Fluorophenol	1.352	1.344	0.6	75	0.00	3.93
6	t	Indene	2.659	2.863	-7.7	88	0.00	5.13
7	t	Cumene	3.746	4.082	-9.0	90	0.00	4.32
8	S	Phenol-d5	1.675	1.711	-2.1	77	0.00	4.64
9	t	Phenol	1.930	2.009	-4.1	83	0.00	4.64
10		Aniline	2.055	1.828	11.0	66	0.00	4.66
11	t	bis(2-Chloroethyl)ether	1.358	1.329	2.1	77	0.00	4.71
12	t	2-Chlorophenol	1.498	1.503	-0.3	78	0.00	4.76
13	t	Decane	1.623	2.234	-37.6#	111	0.00	4.79
14	t	1,3-Dichlorobenzene	1.601	1.578	1.4	77	0.00	4.88
15	t	1,4-Dichlorobenzene	1.591	1.563	1.8	76	0.00	4.93
16	t	Benzyl alcohol	0.962	0.992	-3.1	78	0.00	5.03
17	t	1,2-Dichlorobenzene	1.475	1.446	2.0	76	0.00	5.06
18	t	Acetophenone	2.102	2.264	-7.7	89	0.00	5.25
19	t	2-Methylphenol	1.278	1.328	-3.9	80	0.00	5.12
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.512	-1.6	79	0.00	5.13
21	t	3&4-Methylphenol	1.355	1.453	-7.2	80	0.00	5.24
22	t	n-Nitroso-di-n-propylamin	0.933	1.066	-14.3	85	0.00	5.24
23	t	Hexachloroethane	0.436	0.448	-2.8	79	0.00	5.34
24	I	Naphthalene-d8	1.000	1.000	0.0	79	0.00	6.05
25	S	Nitrobenzene-d5	0.347	0.386	-11.2	84	0.00	5.37
26	t	Nitrobenzene	0.389	0.416	-6.9	82	0.00	5.39
27	t	Quinoline	0.796	0.799	-0.4	86	0.00	6.43
28	t	Isophorone	0.666	0.705	-5.9	80	0.00	5.60
29	t	2-Nitrophenol	0.187	0.214	-14.4	85	0.00	5.68
30	t	2,4-Dimethylphenol	0.294	0.319	-8.5	77	0.00	5.71
		---------- True	Calc.	% Drift	----------			
31	t	Benzoic acid	25.000	27.720	-10.9	98	0.00	5.80
		---------- AvgRF	CCRF	% Dev	----------			
32	t	bis(2-Chloroethoxy)methan	0.399	0.391	2.0	77	0.00	5.79
33	t	2,4-Dichlorophenol	0.275	0.278	-1.1	77	0.00	5.91
34	t	2,6-Dichlorophenol	0.267	0.267	0.0	78	0.00	6.13
35		1,3,5-Trichlorobenzene	0.360	0.352	2.2	85	0.00	5.69
36	t	1,2,4-Trichlorobenzene	0.302	0.281	7.0	73	0.00	5.99
37		1,2,3-Trichlorobenzene	0.317	0.309	2.5	84	0.00	6.22

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2658-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61978.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.081	1.045	3.3	76	0.00	6.07
39	t	4-Chloroaniline	0.452	0.416	8.0	69	0.00	6.12
40	t	2,3-Dichloroaniline	0.376	0.368	2.1	82	0.00	7.17
41	t	Caprolactam	0.181	0.225	-24.3#	101	0.00	6.50
42	t	Hexachlorobutadiene	0.138	0.138	0.0	79	0.00	6.20
43	t	4-Chloro-3-methylphenol	0.292	0.311	-6.5	81	0.00	6.65
44	t	2-Methylnaphthalene	0.629	0.617	1.9	76	0.00	6.83
45	t	1-Methylnaphthalene	0.687	0.689	-0.3	85	0.00	6.95
46	t	Dimethylnaphthalene	0.686	0.664	3.2	82	0.00	7.61
47	I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00	8.18
48	t	Hexachlorocyclopentadiene	0.273	0.280	-2.6	78	0.00	7.03
49	t	2,4,6-Trichlorophenol	0.315	0.325	-3.2	78	0.00	7.18
50	t	2,4,5-Trichlorophenol	0.330	0.338	-2.4	77	0.00	7.22
51	S	2-Fluorobiphenyl	1.227	1.151	6.2	72	0.00	7.28
52	t	2-Chloronaphthalene	1.132	1.049	7.3	72	0.00	7.43
53	t	Biphenyl	1.723	1.674	2.8	82	0.00	7.41
54	t	2-Nitroaniline	0.357	0.424	-18.8	89	0.00	7.56
55	t	Dimethylphthalate	1.200	1.162	3.2	77	0.00	7.81
56	t	Acenaphthylene	1.840	1.798	2.3	75	0.00	7.98
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	25.000	25.576	-2.3	83	0.00	7.89
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.328	0.339	-3.4	74	0.00	8.12
59	t	Acenaphthene	1.178	1.120	4.9	74	0.00	8.22
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	55.978	-12.0	99	0.00	8.27
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.168	0.187	-11.3	89	0.00	8.39
62	t	Dibenzofuran	1.570	1.450	7.6	74	0.00	8.47
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	25.000	25.354	-1.4	81	0.00	8.46
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.233	0.247	-6.0	78	0.00	8.65
65	t	Diethylphthalate	1.186	1.201	-1.3	78	0.00	8.82
66	t	Fluorene	1.297	1.219	6.0	73	0.00	8.96
67	t	4-Chlorophenyl-phenylethe	0.534	0.505	5.4	75	0.00	8.97
68	t	4-Nitroaniline	0.336	0.299	11.0	62	0.00	9.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00	10.38
70	t	4,6-Dinitro-2-methylpheno	0.110	0.121	-10.0	96	0.00	9.06
71	t	n-Nitrosodiphenylamine	0.567	0.527	7.1	73	0.00	9.15
72	t	1,2-Diphenylhydrazine	0.900	0.945	-5.0	79	0.00	9.21
73	S	2,4,6-Tribromophenol	0.070	0.079	-12.9	81	0.00	9.32
74	t	4-Bromophenyl-phenylether	0.186	0.172	7.5	73	0.00	9.71
75	t	Hexachlorobenzene	0.196	0.179	8.7	73	0.00	9.80
76	t	Pentachlorophenol	0.119	0.129	-8.4	83	0.00	10.11
77	t	Phenanthrene	1.128	1.019	9.7	72	0.00	10.41
78	t	Anthracene	1.103	1.033	6.3	71	0.00	10.49
79	t	Carbazole	1.224	1.175	4.0	81	0.00	10.76
80	t	Di-n-butylphthalate	1.260	1.345	-6.7	80	0.00	11.37
81	t	Fluoranthene	1.146	1.085	5.3	73	0.00	12.29
82	t	Octadecane	0.637	0.792	-24.3#	99	0.00	10.30

8.7.14

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Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2658-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61978.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	75	0.00	14.58
84	t	Pyrene	1.367	1.382	-1.1	73	0.00	12.64
85	S	Terphenyl-d14	0.846	0.838	0.9	70	0.00	12.94
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	25.000	25.792	-3.2	81	0.00	13.76
		----------	AvgRF	CCRF	% Dev	----------		
87		Butyl stearate	0.444	0.611	-37.6#	92	0.00	13.92
88	t	Benzo[a]anthracene	1.237	1.165	5.8	69	0.00	14.57
89	t	3,3'-Dichlorobenzidine	0.434	0.396	8.8	66	0.00	14.56
90	t	Chrysene	1.017	0.964	5.2	68	0.00	14.62
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.937	-14.1	80	0.00	14.72
92	I	Perylene-d12	1.000	1.000	0.0	67	0.00	16.72
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	25.000	29.337	-17.3	84	0.00	15.71
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.351	1.405	-4.0	65	0.00	16.18
95	t	Benzo[k]fluoranthene	1.215	1.189	2.1	61	0.00	16.22
96	t	Benzo[a]pyrene	1.111	1.115	-0.4	62	0.00	16.63
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.104	2.7	61	0.00	18.41
98	t	Dibenz(a,h)acridine	1.095	1.067	2.6	67	0.00	18.02
99	t	Dibenz[a,h]anthracene	1.092	0.994	9.0	57	0.00	18.45
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	25.000	25.146	-0.6	66	0.00	16.18
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.099	1.016	7.6	58	0.00	18.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61818.D M3E2646.M Thu Jun 12 14:03:26 2014 MS3E

8.7.14

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2658-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61979.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2658\3E61979.D Vial: 3
Acq On : 12 Jun 2014 11:00 am Operator: harpreek
Sample : cc2647-25 Inst : MS3E
Misc : op75429,e3e2658 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 12 16:30:38 2014
Last Update : Thu Jun 12 16:30:38 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	77	-0.05	4.92
103	Benzaldehyde	1.069	1.178	-10.2	78	-0.01	4.58
104	Acenaphthene-d10a	1.000	1.000	0.0	80	-0.06	8.18
105	1,2,4,5-Tetrachlorobenzen	0.486	0.467	3.9	76	-0.07	7.04
106	Phenanthrene-d10a	1.000	1.000	0.0	82	-0.06	10.37
107	Atrazine	0.104	0.120	-15.4	86	0.01	10.00
108 I	Chrysene-d12a	1.000	1.000	0.0	79	-0.06	14.58
109 T	benzidine	0.736	0.383	48.0#	34#	0.01	12.53
110 I	Naphthalene-d8a	1.000	1.000	0.0	79	0.05	6.05
111 T	Hydroquinone	0.303	0.385	-27.1#	92	0.24	6.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61818.D M3E2646.M Thu Jun 12 17:58:12 2014 MS3E

8.7.15

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2660-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62033.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2660\3E62033.D Vial: 2
Acq On : 13 Jun 2014 12:42 pm Operator: olgaa
Sample : cc2646-25 Inst : MS3E
Misc : op75470,e3e2660, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
Last Update : Fri Jun 13 12:30:25 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	59	-0.01	4.90
2	t	1,4-Dioxane	0.721	0.687	4.7	60	-0.02	2.48
3	t	Pyridine	1.772	1.674	5.5	57	-0.01	2.81
4	t	N-Nitrosodimethylamine	0.985	0.922	6.4	53	-0.02	2.76
5	S	2-Fluorophenol	1.352	1.312	3.0	53	0.00	3.93
6	t	Indene	2.659	2.882	-8.4	65	-0.02	5.11
7	t	Cumene	3.746	4.030	-7.6	65	-0.02	4.29
8	S	Phenol-d5	1.675	1.654	1.3	54	0.00	4.64
9	t	Phenol	1.930	1.881	2.5	57	0.00	4.65
10		Aniline	2.055	1.685	18.0	44#	-0.01	4.65
11	t	bis(2-Chloroethyl)ether	1.358	1.284	5.4	54	-0.02	4.68
12	t	2-Chlorophenol	1.498	1.497	0.1	57	-0.01	4.74
13	t	Decane	1.623	2.140	-31.9#	78	-0.02	4.76
14	t	1,3-Dichlorobenzene	1.601	1.574	1.7	56	-0.02	4.86
15	t	1,4-Dichlorobenzene	1.591	1.566	1.6	56	-0.01	4.91
16	t	Benzyl alcohol	0.962	0.940	2.3	54	-0.01	5.01
17	t	1,2-Dichlorobenzene	1.475	1.464	0.7	56	-0.01	5.04
18	t	Acetophenone	2.102	2.188	-4.1	63	-0.02	5.22
19	t	2-Methylphenol	1.278	1.286	-0.6	57	0.00	5.11
20	t	2,2'-oxybis(1-Chloropropa	0.504	0.503	0.2	56	-0.01	5.11
21	t	3&4-Methylphenol	1.355	1.354	0.1	55	0.00	5.24
22	t	n-Nitroso-di-n-propylamin	0.933	1.009	-8.1	59	-0.02	5.22
23	t	Hexachloroethane	0.436	0.452	-3.7	58	-0.02	5.32
24	I	Naphthalene-d8	1.000	1.000	0.0	58	-0.02	6.03
25	S	Nitrobenzene-d5	0.347	0.374	-7.8	60	-0.01	5.36
26	t	Nitrobenzene	0.389	0.400	-2.8	58	-0.01	5.37
27	t	Quinoline	0.796	0.799	-0.4	63	-0.02	6.40
28	t	Isophorone	0.666	0.665	0.2	55	-0.02	5.58
29	t	2-Nitrophenol	0.187	0.211	-12.8	62	-0.02	5.66
30	t	2,4-Dimethylphenol	0.294	0.306	-4.1	55	0.00	5.70
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	25.000	21.612	13.6	54	-0.03	5.79
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.399	0.374	6.3	54	-0.02	5.77
33	t	2,4-Dichlorophenol	0.275	0.272	1.1	56	0.00	5.90
34	t	2,6-Dichlorophenol	0.267	0.267	0.0	57	-0.01	6.12
35		1,3,5-Trichlorobenzene	0.360	0.351	2.5	62	-0.02	5.67
36	t	1,2,4-Trichlorobenzene	0.302	0.284	6.0	54	-0.01	5.97
37		1,2,3-Trichlorobenzene	0.317	0.312	1.6	63	-0.02	6.20

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2660-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62033.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.081	1.059	2.0	57	-0.02	6.05
39	t	4-Chloroaniline	0.452	0.408	9.7	50	-0.01	6.10
40	t	2,3-Dichloroaniline	0.376	0.372	1.1	61	0.00	7.15
41	t	Caprolactam	0.181	0.205	-13.3	68	-0.03	6.47
42	t	Hexachlorobutadiene	0.138	0.143	-3.6	61	-0.02	6.17
43	t	4-Chloro-3-methylphenol	0.292	0.297	-1.7	57	0.00	6.65
44	t	2-Methylnaphthalene	0.629	0.622	1.1	56	-0.02	6.80
45	t	1-Methylnaphthalene	0.687	0.712	-3.6	65	-0.02	6.92
46	t	Dimethylnaphthalene	0.686	0.682	0.6	62	-0.02	7.58
47	I	Acenaphthene-d10	1.000	1.000	0.0	60	-0.01	8.15
48	t	Hexachlorocyclopentadiene	0.273	0.275	-0.7	57	-0.02	6.99
49	t	2,4,6-Trichlorophenol	0.315	0.318	-1.0	57	0.00	7.16
50	t	2,4,5-Trichlorophenol	0.330	0.334	-1.2	57	0.00	7.21
51	S	2-Fluorobiphenyl	1.227	1.189	3.1	55	-0.01	7.25
52	t	2-Chloronaphthalene	1.132	1.065	5.9	54	-0.01	7.41
53	t	Biphenyl	1.723	1.719	0.2	63	-0.01	7.38
54	t	2-Nitroaniline	0.357	0.391	-9.5	61	0.00	7.55
55	t	Dimethylphthalate	1.200	1.181	1.6	58	-0.01	7.79
56	t	Acenaphthylene	1.840	1.817	1.3	56	-0.01	7.95
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	25.000	25.854	-3.4	62	-0.01	7.87
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.328	0.351	-7.0	57	0.00	8.10
59	t	Acenaphthene	1.178	1.151	2.3	56	-0.02	8.19
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	55.421	-10.8	73	0.00	8.26
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.168	0.173	-3.0	61	0.03	8.41
62	t	Dibenzofuran	1.570	1.513	3.6	57	-0.01	8.44
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	25.000	25.705	-2.8	61	0.00	8.44
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.233	0.239	-2.6	56	0.00	8.64
65	t	Diethylphthalate	1.186	1.211	-2.1	58	-0.01	8.80
66	t	Fluorene	1.297	1.265	2.5	56	-0.01	8.94
67	t	4-Chlorophenyl-phenylethe	0.534	0.517	3.2	57	-0.02	8.94
68	t	4-Nitroaniline	0.336	0.331	1.5	51	0.00	8.98
69	I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00	10.35
70	t	4,6-Dinitro-2-methylpheno	0.110	0.120	-9.1	73	0.00	9.04
71	t	n-Nitrosodiphenylamine	0.567	0.531	6.3	56	-0.01	9.12
72	t	1,2-Diphenylhydrazine	0.900	0.872	3.1	56	-0.02	9.18
73	S	2,4,6-Tribromophenol	0.070	0.074	-5.7	58	0.00	9.30
74	t	4-Bromophenyl-phenylether	0.186	0.169	9.1	55	-0.02	9.67
75	t	Hexachlorobenzene	0.196	0.172	12.2	54	-0.01	9.77
76	t	Pentachlorophenol	0.119	0.098	17.6	48#	0.00	10.09
77	t	Phenanthrene	1.128	1.185	-5.1	64	-0.01	10.39
78	t	Anthracene	1.103	1.066	3.4	56	-0.01	10.47
79	t	Carbazole	1.224	1.213	0.9	64	0.00	10.74
80	t	Di-n-butylphthalate	1.260	1.300	-3.2	59	-0.01	11.34
81	t	Fluoranthene	1.146	1.415	-23.5#	73	0.00	12.26
82	t	Octadecane	0.637	0.724	-13.7	69	-0.02	10.27

8.7.16

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** E3E2660-CC2646
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62033.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	57	0.00	14.56
84	t	Pyrene	1.367	1.742	-27.4#	69	0.00	12.62
85	S	Terphenyl-d14	0.846	0.811	4.1	52	0.00	12.91
			True	Calc.	% Drift			
86	t	Butylbenzylphthalate	25.000	25.395	-1.6	60	-0.01	13.73
			AvgRF	CCRF	% Dev			
87		Butyl stearate	0.444	0.565	-27.3#	65	-0.02	13.88
88	t	Benzo[a]anthracene	1.237	1.439	-16.3	65	0.00	14.54
89	t	3,3'-Dichlorobenzidine	0.434	0.436	-0.5	55	0.00	14.54
90	t	Chrysene	1.017	1.156	-13.7	61	0.00	14.60
91	t	bis(2-Ethylhexyl)phthalat	0.821	0.960	-16.9	62	-0.02	14.69
92	I	Perylene-d12	1.000	1.000	0.0	54	0.00	16.69
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	27.784	-11.1	64	-0.01	15.68
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.351	1.407	-4.1	52	-0.01	16.16
95	t	Benzo[k]fluoranthene	1.215	1.241	-2.1	51	0.00	16.20
96	t	Benzo[a]pyrene	1.111	1.134	-2.1	51	0.00	16.61
97	t	Indeno[1,2,3-cd]pyrene	1.135	1.343	-18.3	60	-0.01	18.38
98	t	Dibenz(a,h)acridine	1.095	1.114	-1.7	57	0.00	17.99
99	t	Dibenz[a,h]anthracene	1.092	1.044	4.4	48#	-0.01	18.41
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	25.205	-0.8	54	-0.01	16.16
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.099	1.045	4.9	48#	-0.01	18.86

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61818.D M3E2646.M Fri Jun 13 14:26:21 2014 MS3E

8.7.16

8

Initial Calibration Summary

Job Number: JB68173 **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

8.7.17

8

Initial Calibration Summary

Job Number: JB68173 **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
```

8.7.17

8

Initial Calibration Summary

Job Number: JB68173 **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
```

8.7.17

8

Initial Calibration Summary

Job Number: JB68173 **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

8.7.18

8

Initial Calibration Verification

Job Number: JB68173 **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
```

8.7.19

8

Initial Calibration Verification

Job Number: JB68173 **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: JB68173 **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

8.7.20

8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.21

8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.22
8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.23

8

Initial Calibration Verification

Job Number: JB68173 **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
```

8.7.24

8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.25

8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.26

8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.27

8

Initial Calibration Verification

Job Number: JB68173 **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

8.7.28

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4582-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92110.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4582\z92110.D Vial: 2
Acq On : 4 Jun 2014 9:14 am Operator: ashleyv
Sample : cc4569-50 Inst : MSZ
Misc : op73791,ez4582 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 : Tue Jun 03 11:48:54 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	132	-0.02	3.68
2		1,4-Dioxane	0.685	0.569	16.9	123	-0.02	1.66
3	t	Pyridine	1.774	1.506	15.1	123	-0.02	1.83
4	t	N-Nitrosodimethylamine	0.959	0.888	7.4	124	-0.02	1.80
5	S	2-Fluorophenol	1.367	1.360	0.5	129	-0.02	2.59
6	t	Indene	2.709	2.292	15.4	125	-0.02	3.93
7	t	Cumene	3.831	3.398	11.3	131	-0.02	2.97
8	S	Phenol-d5	1.722	1.672	2.9	127	-0.02	3.34
9	t	Phenol	1.932	1.919	0.7	134	-0.02	3.36
10	t	Aniline	2.099	1.815	13.5	120	-0.02	3.37
11	t	bis(2-Chloroethyl)ether	1.354	1.245	8.1	126	-0.02	3.42
12	t	2-Chlorophenol	1.540	1.485	3.6	130	-0.02	3.49
13	t	Decane	1.832	1.462	20.2#	118	-0.02	3.51
14	t	1,3-Dichlorobenzene	1.659	1.597	3.7	129	-0.02	3.63
15	t	1,4-Dichlorobenzene	1.699	1.613	5.1	127	-0.02	3.69
16	t	Benzyl alcohol	0.928	0.932	-0.4	128	-0.02	3.82
17	t	1,2-Dichlorobenzene	1.593	1.511	5.1	128	-0.02	3.84
18	t	Acetophenone	2.214	1.897	14.3	128	-0.02	4.08
19	t	2-Methylphenol	1.297	1.166	10.1	121	-0.02	3.94
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.407	8.9	125	-0.02	3.95
21	t	3&4-Methylphenol	1.392	1.340	3.7	129	-0.02	4.10
22	t	n-Nitroso-di-n-propylamin	0.976	0.912	6.6	126	-0.02	4.08
23	t	Hexachloroethane	0.525	0.535	-1.9	136	-0.02	4.19
24	I	Naphthalene-d8	1.000	1.000	0.0	130	-0.02	5.02
25	S	Nitrobenzene-d5	0.352	0.363	-3.1	133	-0.02	4.24
26	t	Nitrobenzene	0.390	0.383	1.8	129	-0.02	4.26
27	t	Quinoline	0.801	0.714	10.9	127	-0.02	5.43
28	t	Isophorone	0.644	0.647	-0.5	127	-0.02	4.51
29	t	2-Nitrophenol	0.182	0.201	-10.4	134	-0.02	4.60
30	t	2,4-Dimethylphenol	0.304	0.336	-10.5	131	-0.02	4.67
31		Benzoic Acid	0.170	0.200	-17.6	114	0.00	4.82
32	t	bis(2-Chloroethoxy)methan	0.391	0.370	5.4	125	-0.02	4.76
33	t	2,4-Dichlorophenol	0.279	0.288	-3.2	130	-0.02	4.88
34		2,6-Dichlorophenol	0.274	0.271	1.1	130	-0.02	5.13
35	t	1,3,5-Trichlorobenzene	0.389	0.343	11.8	130	-0.02	4.61
36	t	1,2,4-Trichlorobenzene	0.332	0.331	0.3	132	-0.02	4.96
37	t	1,2,3-Trichlorobenzene	0.368	0.324	12.0	131	-0.02	5.21
38	t	Naphthalene	1.116	1.036	7.2	127	-0.02	5.04
39	t	4-Chloroaniline	0.440	0.424	3.6	127	-0.02	5.12
40	t	2,3-Dichloroaniline	0.382	0.347	9.2	132	-0.02	6.18
41	t	Caprolactam	0.186	0.171	8.1	123	-0.02	5.53

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4582-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92110.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.183	-1.7	137	-0.02	5.20
43	t	4-Chloro-3-methylphenol	0.296	0.309	-4.4	129	-0.02	5.71
44	t	2-Methylnaphthalene	0.606	0.587	3.1	129	-0.02	5.84
45	t	1-Methylnaphthalene	0.668	0.588	12.0	129	-0.02	5.95
46	t	Dimethylnaphthalene	0.676	0.613	9.3	129	-0.02	6.58
47	I	Acenaphthene-d10	1.000	1.000	0.0	130	-0.02	7.07
48	t	Hexachlorocyclopentadiene	0.316	0.346	-9.5	132	-0.02	6.03
49	t	2,4,6-Trichlorophenol	0.347	0.370	-6.6	135	-0.02	6.20
50	t	2,4,5-Trichlorophenol	0.368	0.399	-8.4	135	-0.02	6.24
51	S	2-Fluorobiphenyl	1.268	1.227	3.2	131	-0.02	6.29
52	t	2-Chloronaphthalene	1.190	1.160	2.5	130	-0.02	6.41
53	t	Biphenyl	1.692	1.496	11.6	130	-0.02	6.40
54	t	2-Nitroaniline	0.326	0.369	-13.2	133	-0.02	6.56
55	t	Dimethylphthalate	1.271	1.238	2.6	130	-0.02	6.78
56	t	Acenaphthylene	1.869	1.873	-0.2	129	-0.02	6.90
57	t	2,6-Dinitrotoluene	0.260	0.302	-16.2	133	-0.02	6.85
58	t	3-Nitroaniline	0.329	0.361	-9.7	128	-0.02	7.05
59	t	Acenaphthene	1.183	1.126	4.8	129	-0.02	7.11
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	98.289	1.7	136	-0.02	7.17
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.182	-22.1#	148	-0.02	7.31
62	t	Dibenzofuran	1.641	1.560	4.9	129	-0.02	7.32
63	t	2,4-Dinitrotoluene	0.355	0.417	-17.5	137	-0.02	7.33
64		2,3,4,6-Tetrachlorophenol	0.298	0.324	-8.7	134	-0.02	7.49
65	t	Diethylphthalate	1.237	1.279	-3.4	133	-0.02	7.64
66	t	Fluorene	1.283	1.255	2.2	130	-0.02	7.73
67	t	4-Chlorophenyl-phenylethe	0.601	0.580	3.5	131	-0.02	7.74
68	t	4-Nitroaniline	0.330	0.361	-9.4	128	-0.02	7.79
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	-0.03	8.87
70	t	4,6-Dinitro-2-methylpheno	0.128	0.145	-13.3	138	-0.02	7.82
71	t	n-Nitrosodiphenylamine	0.507	0.523	-3.2	131	-0.02	7.90
72	t	1,2-Diphenylhydrazine	0.788	0.792	-0.5	125	-0.02	7.94
73	S	2,4,6-Tribromophenol	0.098	0.119	-21.4#	138	-0.02	8.03
74	t	4-Bromophenyl-phenylether	0.205	0.213	-3.9	135	-0.02	8.33
75	t	Hexachlorobenzene	0.245	0.254	-3.7	136	-0.02	8.40
76	t	Pentachlorophenol	0.125	0.144	-15.2	133	-0.02	8.66
77	t	Phenanthrene	1.163	1.128	3.0	128	-0.02	8.90
78	t	Anthracene	1.128	1.134	-0.5	129	-0.02	8.96
79	t	Carbazole	1.168	1.056	9.6	128	-0.02	9.19
80	t	Di-n-butylphthalate	1.147	1.295	-12.9	133	-0.02	9.69
81	t	Fluoranthene	1.133	1.188	-4.9	132	-0.02	10.48
82	t	Octadecane	0.549	0.507	7.7	121	-0.02	8.80
83	I	Chrysene-d12	1.000	1.000	0.0	129	-0.03	12.60
84	t	Pyrene	1.220	1.259	-3.2	130	-0.02	10.80
85		Butyl stearate	0.329	0.371	-12.8	123	-0.03	11.97
86	S	Terphenyl-d14	0.804	0.869	-8.1	135	-0.02	11.07
87	t	Butylbenzylphthalate	0.492	0.579	-17.7	136	-0.03	11.83
88	t	Benzo[a]anthracene	1.100	1.157	-5.2	133	-0.03	12.58
89	t	3,3'-Dichlorobenzidine	0.362	0.433	-19.6	135	-0.03	12.58
90	t	Chrysene	1.092	1.100	-0.7	130	-0.03	12.63
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.801	-19.9	138	-0.03	12.73
92	I	Perylene-d12	1.000	1.000	0.0	134	-0.03	14.64

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4582-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92110.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	52.859	-5.7	143	-0.03	13.69

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.260	-5.7	136	-0.03	14.13
95	t	Benzo[k]fluoranthene	1.231	1.196	2.8	130	-0.03	14.18
96	t	Benzo[a]pyrene	1.059	1.125	-6.2	137	-0.03	14.57
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.183	-15.9	144	-0.03	16.09
98	t	Dibenz(a,h)acridine	0.995	1.050	-5.5	142	-0.03	15.76
99	t	Dibenz[a,h]anthracene	1.077	1.185	-10.0	140	-0.03	16.13
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.559	-20.5#	132	-0.03	14.14
101	t	Benzo[g,h,i]perylene	1.064	1.134	-6.6	140	-0.04	16.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92066.D MZ4569.M Wed Jun 04 14:17:38 2014 RTE

8.7.29

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4582-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92111.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4582\z92111.D Vial: 3
Acq On : 4 Jun 2014 9:40 am Operator: ashleyv
Sample : cc4571-50 Inst : MSZ
Misc : op73791,ez4582 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 : Tue Jun 03 11:48:54 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	90	-0.02	3.67
103	Benzaldehyde	0.939	0.847	9.8	78	-0.03	3.27
104	Phenanthrene-d10a	1.000	1.000	0.0	92	-0.03	8.86
		True	Calc.	% Drift			
105	Atrazine	50.000	63.045	-26.1#	103	0.17	8.57
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	95	-0.04	12.58
107	Benzidine	0.411	0.482	-17.3	120	-0.09	10.71
108	Acenaphthene-d10a	1.000	1.000	0.0	89	-0.02	7.07
109	1,2,4,5-Tetrachlorobenzen	0.483	0.558	-15.5	95	-0.04	6.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92066.D MZ4569.M Wed Jun 04 14:17:40 2014 RTE

8.7.30

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4593-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92390.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4593\z92390.D Vial: 2
Acq On : 11 Jun 2014 9:35 am Operator: harpreek
Sample : cc4569-25 Inst : MSZ
Misc : op73791,ez4593 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 : Tue Jun 10 14:36:56 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	97	-0.05	3.57
2		1,4-Dioxane	0.685	0.570	16.8	89	-0.04	1.58
3	t	Pyridine	1.774	1.554	12.4	94	-0.05	1.74
4	t	N-Nitrosodimethylamine	0.959	0.910	5.1	93	-0.05	1.72
5	S	2-Fluorophenol	1.367	1.360	0.5	95	-0.05	2.50
6	t	Indene	2.709	2.527	6.7	98	-0.06	3.82
7	t	Cumene	3.831	3.526	8.0	99	-0.05	2.87
8	S	Phenol-d5	1.722	1.775	-3.1	100	-0.05	3.26
9	t	Phenol	1.932	2.027	-4.9	106	-0.05	3.27
10	t	Aniline	2.099	1.907	9.1	85	-0.05	3.27
11	t	bis(2-Chloroethyl)ether	1.354	1.354	0.0	99	-0.06	3.32
12	t	2-Chlorophenol	1.540	1.530	0.6	97	-0.05	3.39
13	t	Decane	1.832	1.816	0.9	107	-0.05	3.41
14	t	1,3-Dichlorobenzene	1.659	1.628	1.9	95	-0.06	3.52
15	t	1,4-Dichlorobenzene	1.699	1.664	2.1	97	-0.05	3.59
16	t	Benzyl alcohol	0.928	1.003	-8.1	103	-0.05	3.72
17	t	1,2-Dichlorobenzene	1.593	1.555	2.4	96	-0.06	3.74
18	t	Acetophenone	2.214	2.125	4.0	103	-0.06	3.97
19	t	2-Methylphenol	1.297	1.329	-2.5	98	-0.05	3.84
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.446	0.2	98	-0.05	3.84
21	t	3&4-Methylphenol	1.392	1.453	-4.4	101	-0.05	4.00
22	t	n-Nitroso-di-n-propylamin	0.976	1.088	-11.5	107	-0.06	3.97
23	t	Hexachloroethane	0.525	0.548	-4.4	100	-0.05	4.08
24	I	Naphthalene-d8	1.000	1.000	0.0	99	-0.06	4.90
25	S	Nitrobenzene-d5	0.352	0.396	-12.5	111	-0.06	4.13
26	t	Nitrobenzene	0.390	0.425	-9.0	106	-0.06	4.15
27	t	Quinoline	0.801	0.761	5.0	102	-0.07	5.31
28	t	Isophorone	0.644	0.710	-10.2	105	-0.06	4.40
29	t	2-Nitrophenol	0.182	0.205	-12.6	104	-0.06	4.49
30	t	2,4-Dimethylphenol	0.304	0.335	-10.2	102	-0.06	4.57
31		Benzoic Acid	0.170	0.268	-57.6#	210#	-0.09	4.71
32	t	bis(2-Chloroethoxy)methan	0.391	0.394	-0.8	100	-0.06	4.65
33	t	2,4-Dichlorophenol	0.279	0.297	-6.5	102	-0.05	4.77
34		2,6-Dichlorophenol	0.274	0.290	-5.8	102	-0.06	5.02
35	t	1,3,5-Trichlorobenzene	0.389	0.350	10.0	99	-0.06	4.50
36	t	1,2,4-Trichlorobenzene	0.332	0.335	-0.9	98	-0.06	4.84
37	t	1,2,3-Trichlorobenzene	0.368	0.331	10.1	98	-0.06	5.09
38	t	Naphthalene	1.116	1.087	2.6	98	-0.06	4.93
39	t	4-Chloroaniline	0.440	0.448	-1.8	95	-0.06	5.01
40	t	2,3-Dichloroaniline	0.382	0.368	3.7	103	-0.06	6.07
41	t	Caprolactam	0.186	0.202	-8.6	113	-0.10	5.39

8.7.31

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4593-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92390.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.187	-3.9	102	-0.06	5.08
43	t	4-Chloro-3-methylphenol	0.296	0.337	-13.9	110	-0.06	5.62
44	t	2-Methylnaphthalene	0.606	0.617	-1.8	100	-0.06	5.72
45	t	1-Methylnaphthalene	0.668	0.621	7.0	100	-0.06	5.84
46	t	Dimethylnaphthalene	0.676	0.649	4.0	101	-0.06	6.46
47	I	Acenaphthene-d10	1.000	1.000	0.0	102	-0.06	6.95
48	t	Hexachlorocyclopentadiene	0.316	0.313	0.9	96	-0.06	5.92
49	t	2,4,6-Trichlorophenol	0.347	0.379	-9.2	108	-0.06	6.08
50	t	2,4,5-Trichlorophenol	0.368	0.404	-9.8	108	-0.06	6.14
51	S	2-Fluorobiphenyl	1.268	1.240	2.2	100	-0.06	6.17
52	t	2-Chloronaphthalene	1.190	1.186	0.3	101	-0.06	6.30
53	t	Biphenyl	1.692	1.537	9.2	101	-0.06	6.28
54	t	2-Nitroaniline	0.326	0.430	-31.9#	125	-0.06	6.44
55	t	Dimethylphthalate	1.271	1.287	-1.3	105	-0.06	6.67
56	t	Acenaphthylene	1.869	1.922	-2.8	102	-0.06	6.78
57	t	2,6-Dinitrotoluene	0.260	0.305	-17.3	109	-0.06	6.73
58	t	3-Nitroaniline	0.329	0.367	-11.6	107	-0.06	6.94
59	t	Acenaphthene	1.183	1.162	1.8	102	-0.06	6.99
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	51.324	-2.6	122	-0.06	7.06
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.214	-43.6#	147	-0.05	7.22
62	t	Dibenzofuran	1.641	1.666	-1.5	105	-0.06	7.20
63	t	2,4-Dinitrotoluene	0.355	0.435	-22.5#	113	-0.06	7.22
64		2,3,4,6-Tetrachlorophenol	0.298	0.323	-8.4	107	-0.06	7.38
65	t	Diethylphthalate	1.237	1.339	-8.2	110	-0.06	7.52
66	t	Fluorene	1.283	1.319	-2.8	104	-0.06	7.61
67	t	4-Chlorophenyl-phenylethe	0.601	0.607	-1.0	103	-0.06	7.63
68	t	4-Nitroaniline	0.330	0.378	-14.5	108	-0.07	7.67
69	I	Phenanthrene-d10	1.000	1.000	0.0	105	-0.06	8.74
70	t	4,6-Dinitro-2-methylpheno	0.128	0.140	-9.4	123	-0.06	7.71
71	t	n-Nitrosodiphenylamine	0.507	0.523	-3.2	104	-0.06	7.78
72	t	1,2-Diphenylhydrazine	0.788	0.880	-11.7	111	-0.06	7.82
73	S	2,4,6-Tribromophenol	0.098	0.117	-19.4	112	-0.06	7.91
74	t	4-Bromophenyl-phenylether	0.205	0.210	-2.4	106	-0.06	8.21
75	t	Hexachlorobenzene	0.245	0.254	-3.7	105	-0.06	8.28
76	t	Pentachlorophenol	0.125	0.139	-11.2	107	-0.06	8.54
77	t	Phenanthrene	1.163	1.150	1.1	104	-0.06	8.77
78	t	Anthracene	1.128	1.173	-4.0	103	-0.06	8.83
79	t	Carbazole	1.168	1.120	4.1	106	-0.07	9.06
80	t	Di-n-butylphthalate	1.147	1.346	-17.3	115	-0.06	9.56
81	t	Fluoranthene	1.133	1.234	-8.9	109	-0.08	10.34
82	t	Octadecane	0.549	0.603	-9.8	112	-0.06	8.67
83	I	Chrysene-d12	1.000	1.000	0.0	109	-0.08	12.45
84	t	Pyrene	1.220	1.248	-2.3	107	-0.07	10.66
85		Butyl stearate	0.329	0.419	-27.4#	122	-0.06	11.84
86	S	Terphenyl-d14	0.804	0.843	-4.9	111	-0.07	10.92
87	t	Butylbenzylphthalate	0.492	0.590	-19.9	125	-0.07	11.69
88	t	Benzo[a]anthracene	1.100	1.161	-5.5	112	-0.08	12.43
89	t	3,3'-Dichlorobenzidine	0.362	0.436	-20.4#	116	-0.07	12.44
90	t	Chrysene	1.092	1.094	-0.2	107	-0.08	12.48
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.800	-19.8	122	-0.07	12.60
92	I	Perylene-d12	1.000	1.000	0.0	109	-0.07	14.49

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4593-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92390.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	29.613	-18.5	133	-0.07	13.55

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.295	-8.6	112	-0.08	13.98
95	t	Benzo[k]fluoranthene	1.231	1.237	-0.5	108	-0.08	14.02
96	t	Benzo[a]pyrene	1.059	1.124	-6.1	111	-0.08	14.41
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.125	-10.2	117	-0.10	15.90
98	t	Dibenz(a,h)acridine	0.995	1.015	-2.0	116	-0.09	15.58
99	t	Dibenz[a,h]anthracene	1.077	1.136	-5.5	110	-0.10	15.93
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.549	-18.3	108	-0.08	13.98
101	t	Benzo[g,h,i]perylene	1.064	1.099	-3.3	110	-0.12	16.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Wed Jun 11 22:40:20 2014 RTE

8.7.31

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4593-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92391.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4593\z92391.D Vial: 3
Acq On : 11 Jun 2014 10:10 am Operator: harpreek
Sample : cc4571-25 Inst : MSZ
Misc : op73791,ez4593 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 : Tue Jun 10 14:36:56 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	80	-0.05	3.57
103	Benzaldehyde	0.939	1.159	-23.4#	90	-0.26	3.17
104	Phenanthrene-d10a	1.000	1.000	0.0	88	-0.06	8.74
		True	Calc.	% Drift			
105	Atrazine	25.000	26.703	-6.8	98	-0.06	8.45
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	95	-0.08	12.45
107	Benzidine	0.411	0.662	-61.1#	125	-0.07	10.58
108	Acenaphthene-d10a	1.000	1.000	0.0	84	-0.06	6.95
109	1,2,4,5-Tetrachlorobenzen	0.483	0.540	-11.8	85	-0.16	5.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Thu Jun 12 15:39:58 2014 RTE

8.7.32

8

Initial Calibration Summary

Job Number: JB68173 **Sample:** EZ4596-ICC4596
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92461.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSZ

Method : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Calibration Files
100 =z92459.D 80 =z92460.D 50 =z92461.D 25 =z92462.D
10 =z92463.D 5 =z92464.D 2 =z92465.D 1 =z92466.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
112) I 1,4-Dichlorobenzene-d	ISTD									
113) Benzenethiol	1.804	1.839	1.790	1.738	1.693	1.618	2.000	1.453	1.742	9.29
114) Chrysene-d12b	ISTD									
115) Methyl Chrys	0.815	0.814	0.796	0.775	0.728	0.674	0.859	0.560	0.753	12.82

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

MZ4569sknr.M Thu Jun 12 22:25:02 2014 RTE

8.7.33

8

Initial Calibration Verification

Job Number: JB68173 **Sample:** EZ4596-ICV4596
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92467.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4596\z92467.D Vial: 10
Acq On : 12 Jun 2014 8:39 pm Operator: olgaa
Sample : icv4596-50 Inst : MSZ
Misc : op73791,ez4596, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Thu Jun 12 22:18:41 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	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	116	0.00	3.56
113	Benzenethiol	1.742	1.349	22.6	87	0.00	3.20
114	Chrysene-d12b	1.000	1.000	0.0	94	0.00	12.42
115	Methyl Chrysene	0.753	0.770	-2.3	91	0.00	13.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92461.D MZ4569sknr.M Thu Jun 12 22:23:33 2014 RTE

8.7.34

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4598-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92498.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4598\z92498.D Vial: 2
Acq On : 13 Jun 2014 12:34 pm Operator: olgaa
Sample : cc4569-25 Inst : MSZ
Misc : op75490,ez4598, 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 : Tue Jun 10 14:36:56 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	113	-0.08	3.55
2		1,4-Dioxane	0.685	0.561	18.1	102	-0.06	1.57
3	t	Pyridine	1.774	1.479	16.6	104	-0.07	1.72
4	t	N-Nitrosodimethylamine	0.959	0.868	9.5	103	-0.07	1.70
5	S	2-Fluorophenol	1.367	1.349	1.3	110	-0.07	2.48
6	t	Indene	2.709	2.517	7.1	114	-0.09	3.80
7	t	Cumene	3.831	3.584	6.4	117	-0.08	2.85
8	S	Phenol-d5	1.722	1.737	-0.9	114	-0.08	3.23
9	t	Phenol	1.932	1.967	-1.8	119	-0.08	3.24
10	t	Aniline	2.099	1.841	12.3	95	-0.08	3.25
11	t	bis(2-Chloroethyl)ether	1.354	1.302	3.8	111	-0.09	3.29
12	t	2-Chlorophenol	1.540	1.536	0.3	113	-0.09	3.36
13	t	Decane	1.832	1.699	7.3	116	-0.08	3.39
14	t	1,3-Dichlorobenzene	1.659	1.660	-0.1	113	-0.09	3.49
15	t	1,4-Dichlorobenzene	1.699	1.679	1.2	113	-0.08	3.56
16	t	Benzyl alcohol	0.928	0.966	-4.1	115	-0.09	3.68
17	t	1,2-Dichlorobenzene	1.593	1.566	1.7	113	-0.09	3.71
18	t	Acetophenone	2.214	2.093	5.5	117	-0.09	3.94
19	t	2-Methylphenol	1.297	1.292	0.4	111	-0.09	3.81
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.449	-0.4	115	-0.09	3.81
21	t	3&4-Methylphenol	1.392	1.430	-2.7	115	-0.09	3.97
22	t	n-Nitroso-di-n-propylamin	0.976	1.035	-6.0	119	-0.09	3.95
23	t	Hexachloroethane	0.525	0.563	-7.2	119	-0.09	4.05
24	I	Naphthalene-d8	1.000	1.000	0.0	115	-0.09	4.88
25	S	Nitrobenzene-d5	0.352	0.391	-11.1	127	-0.09	4.10
26	t	Nitrobenzene	0.390	0.422	-8.2	123	-0.09	4.12
27	t	Quinoline	0.801	0.742	7.4	115	-0.10	5.28
28	t	Isophorone	0.644	0.691	-7.3	119	-0.09	4.37
29	t	2-Nitrophenol	0.182	0.209	-14.8	123	-0.09	4.46
30	t	2,4-Dimethylphenol	0.304	0.336	-10.5	119	-0.09	4.53
31		Benzoic Acid	0.170	0.181	-6.5	165	-0.12	4.67
32	t	bis(2-Chloroethoxy)methan	0.391	0.384	1.8	114	-0.09	4.62
33	t	2,4-Dichlorophenol	0.279	0.297	-6.5	119	-0.09	4.74
34		2,6-Dichlorophenol	0.274	0.292	-6.6	120	-0.09	4.99
35	t	1,3,5-Trichlorobenzene	0.389	0.355	8.7	116	-0.09	4.47
36	t	1,2,4-Trichlorobenzene	0.332	0.340	-2.4	116	-0.09	4.81
37	t	1,2,3-Trichlorobenzene	0.368	0.344	6.5	118	-0.09	5.06
38	t	Naphthalene	1.116	1.078	3.4	113	-0.09	4.90
39	t	4-Chloroaniline	0.440	0.448	-1.8	111	-0.09	4.98
40	t	2,3-Dichloroaniline	0.382	0.368	3.7	120	-0.09	6.04
41	t	Caprolactam	0.186	0.185	0.5	121	-0.11	5.38

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4598-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92498.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.199	-10.6	127	-0.09	5.05
43	t	4-Chloro-3-methylphenol	0.296	0.337	-13.9	127	-0.09	5.59
44	t	2-Methylnaphthalene	0.606	0.617	-1.8	116	-0.09	5.69
45	t	1-Methylnaphthalene	0.668	0.616	7.8	115	-0.09	5.81
46	t	Dimethylnaphthalene	0.676	0.651	3.7	118	-0.10	6.43
47	I	Acenaphthene-d10	1.000	1.000	0.0	117	-0.10	6.92
48	t	Hexachlorocyclopentadiene	0.316	0.297	6.0	104	-0.10	5.89
49	t	2,4,6-Trichlorophenol	0.347	0.381	-9.8	125	-0.09	6.05
50	t	2,4,5-Trichlorophenol	0.368	0.397	-7.9	121	-0.09	6.10
51	S	2-Fluorobiphenyl	1.268	1.264	0.3	117	-0.09	6.14
52	t	2-Chloronaphthalene	1.190	1.199	-0.8	117	-0.09	6.26
53	t	Biphenyl	1.692	1.556	8.0	117	-0.10	6.25
54	t	2-Nitroaniline	0.326	0.432	-32.5#	144	-0.09	6.41
55	t	Dimethylphthalate	1.271	1.317	-3.6	123	-0.09	6.64
56	t	Acenaphthylene	1.869	1.947	-4.2	119	-0.09	6.75
57	t	2,6-Dinitrotoluene	0.260	0.306	-17.7	125	-0.09	6.70
58	t	3-Nitroaniline	0.329	0.364	-10.6	122	-0.10	6.91
59	t	Acenaphthene	1.183	1.177	0.5	119	-0.10	6.96
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	40.613	18.8	102	-0.09	7.03
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.209	-40.3#	164	-0.09	7.19
62	t	Dibenzofuran	1.641	1.671	-1.8	120	-0.10	7.17
63	t	2,4-Dinitrotoluene	0.355	0.433	-22.0#	129	-0.10	7.18
64		2,3,4,6-Tetrachlorophenol	0.298	0.331	-11.1	126	-0.09	7.34
65	t	Diethylphthalate	1.237	1.379	-11.5	130	-0.10	7.49
66	t	Fluorene	1.283	1.342	-4.6	121	-0.10	7.58
67	t	4-Chlorophenyl-phenylethe	0.601	0.621	-3.3	121	-0.10	7.59
68	t	4-Nitroaniline	0.330	0.364	-10.3	119	-0.10	7.65
69	I	Phenanthrene-d10	1.000	1.000	0.0	120	-0.10	8.71
70	t	4,6-Dinitro-2-methylpheno	0.128	0.122	4.7	122	-0.10	7.67
71	t	n-Nitrosodiphenylamine	0.507	0.532	-4.9	121	-0.09	7.75
72	t	1,2-Diphenylhydrazine	0.788	0.883	-12.1	127	-0.10	7.78
73	S	2,4,6-Tribromophenol	0.098	0.120	-22.4#	131	-0.10	7.87
74	t	4-Bromophenyl-phenylether	0.205	0.219	-6.8	127	-0.10	8.18
75	t	Hexachlorobenzene	0.245	0.262	-6.9	124	-0.10	8.24
76	t	Pentachlorophenol	0.125	0.128	-2.4	113	-0.10	8.51
77	t	Phenanthrene	1.163	1.149	1.2	118	-0.10	8.74
78	t	Anthracene	1.128	1.168	-3.5	118	-0.10	8.80
79	t	Carbazole	1.168	1.104	5.5	120	-0.10	9.03
80	t	Di-n-butylphthalate	1.147	1.356	-18.2	132	-0.10	9.52
81	t	Fluoranthene	1.133	1.225	-8.1	124	-0.11	10.30
82	t	Octadecane	0.549	0.577	-5.1	123	-0.10	8.64
83	I	Chrysene-d12	1.000	1.000	0.0	124	-0.12	12.41
84	t	Pyrene	1.220	1.243	-1.9	121	-0.12	10.61
85		Butyl stearate	0.329	0.394	-19.8	130	-0.11	11.79
86	S	Terphenyl-d14	0.804	0.849	-5.6	127	-0.11	10.89
87	t	Butylbenzylphthalate	0.492	0.587	-19.3	141	-0.11	11.64
88	t	Benzo[a]anthracene	1.100	1.151	-4.6	126	-0.12	12.39
89	t	3,3'-Dichlorobenzidine	0.362	0.423	-16.9	128	-0.12	12.40
90	t	Chrysene	1.092	1.069	2.1	119	-0.12	12.44
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.789	-18.1	137	-0.11	12.55
92	I	Perylene-d12	1.000	1.000	0.0	122	-0.12	14.45

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4598-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92498.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	29.745	-19.0	149	-0.11	13.51

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.294	-8.6	125	-0.13	13.94
95	t	Benzo[k]fluoranthene	1.231	1.218	1.1	119	-0.13	13.97
96	t	Benzo[a]pyrene	1.059	1.117	-5.5	123	-0.12	14.37
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.161	-13.7	134	-0.16	15.84
98	t	Dibenz(a,h)acridine	0.995	1.035	-4.0	132	-0.14	15.53
99	t	Dibenz[a,h]anthracene	1.077	1.164	-8.1	126	-0.16	15.87
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.541	-16.6	119	-0.13	13.94
101	t	Benzo[g,h,i]perylene	1.064	1.138	-7.0	127	-0.18	16.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Fri Jun 13 17:02:25 2014 RTE

8.7.35

8

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4598-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92499.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4598\z92499.D Vial: 3
Acq On : 13 Jun 2014 1:25 pm Operator: olgaa
Sample : cc4571-25 Inst : MSZ
Misc : op75490,ez4598, 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 : Sun Jun 15 13:03:48 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	93	0.00	3.54
103	Benzaldehyde	0.939	0.990	-5.4	89	0.00	3.14
104	Phenanthrene-d10a	1.000	1.000	0.0	98	0.00	8.71
		True	Calc.	% Drift			
105	Atrazine	25.000	26.279	-5.1	107	0.00	8.42
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	100	-0.01	12.40
107	Benzidine	0.411	0.533	-29.7#	106	0.00	10.54
108	Acenaphthene-d10a	1.000	1.000	0.0	95	0.00	6.92
109	1,2,4,5-Tetrachlorobenzen	0.483	0.536	-11.0	95	-0.19	5.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92240.D MZ4569.M Mon Jun 16 16:52:05 2014 RTE

8.7.36

Continuing Calibration Summary

Job Number: JB68173 **Sample:** EZ4598-CC4596
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92500.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\ez4598\z92500.D           Vial: 4
  Acq On    : 13 Jun 2014   1:54 pm                   Operator: olgaa
  Sample    : cc4596-25                               Inst    : MSZ
  Misc      : op75490,ez4598,                         Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MZ4569sknr.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, ZB-5MS 15m x .25mm x .25um
  Last Update  : Thu Jun 12 22:18:41 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.
110 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	109	-0.02	3.54
111	Benzenethiol	1.742	1.712	1.7	107	-0.02	3.18
112	Chrysene-d12b	1.000	1.000	0.0	113	-0.02	12.40
113	Methyl Chrysene	0.753	0.776	-3.1	113	-0.02	13.11

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     z92462.D   MZ4569sknr.M       Mon Jun 16 16:52:34 2014   RTE
```

8.7.37

8

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61866.D
Acq On : 9 Jun 2014 7:53 pm
Operator : saumilp
Sample : jb68173-1
Misc : op75285,e3e2653,33.1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 18:12:31 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

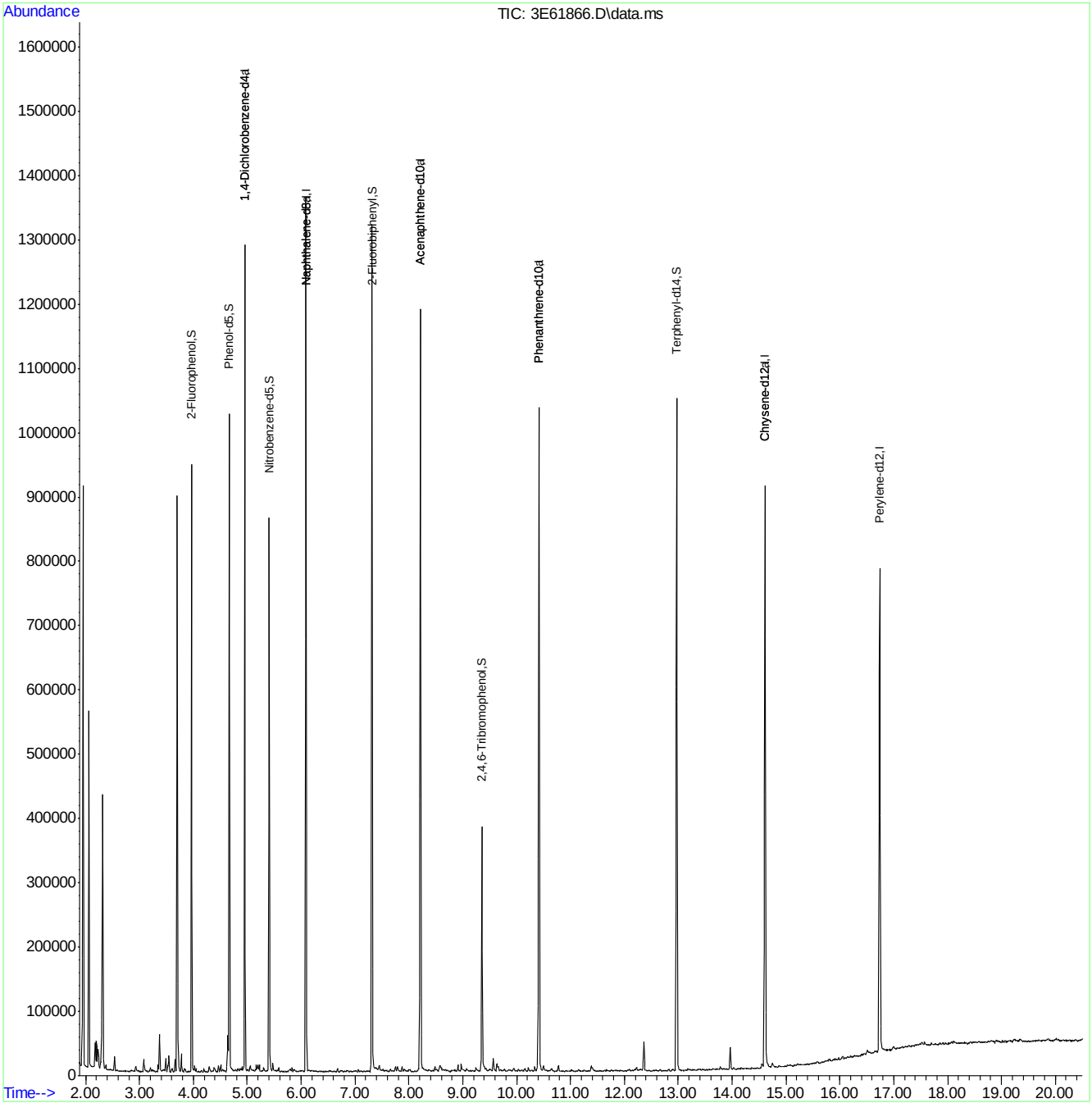
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.952	152	155978	40.00	ppb	-0.03
24) Naphthalene-d8	6.085	136	583280	40.00	ppb	-0.04
47) Acenaphthene-d10	8.214	164	302781	40.00	ppb	-0.04
69) Phenanthrene-d10	10.413	188	443835	40.00	ppb	-0.04
83) Chrysene-d12	14.611	240	362723	40.00	ppb	-0.05
92) Perylene-d12	16.740	264	323007	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	4.952	152	155978	40.00	ppb	-0.03
104) Acenaphthene-d10a	8.214	164	302781	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.413	188	443835	40.00	ppb	-0.04
108) Chrysene-d12a	14.611	240	362723	40.00	ppb	-0.04
110) Naphthalene-d8a	6.085	136	583280	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	232056	44.02	ppb	-0.01
Spiked Amount 50.000			Recovery = 88.04%			
8) Phenol-d5	4.663	99	273884	41.94	ppb	-0.02
Spiked Amount 50.000			Recovery = 83.88%			
25) Nitrobenzene-d5	5.406	82	242551	47.99	ppb	-0.03
Spiked Amount 50.000			Recovery = 95.98%			
51) 2-Fluorobiphenyl	7.316	172	421057	45.32	ppb	-0.04
Spiked Amount 50.000			Recovery = 90.64%			
73) 2,4,6-Tribromophenol	9.359	330	42115	54.21	ppb	-0.04
Spiked Amount 50.000			Recovery = 108.42%			
85) Terphenyl-d14	12.975	244	394711	51.46	ppb	-0.04
Spiked Amount 50.000			Recovery = 102.92%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61866.D
Acq On : 9 Jun 2014 7:53 pm
Operator : saumilp
Sample : jb68173-1
Misc : op75285,e3e2653,33.1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 18:12:31 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61867.D
Acq On : 9 Jun 2014 8:21 pm
Operator : saumilp
Sample : jb68173-2
Misc : op75285,e3e2653,30.4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 11 18:13:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

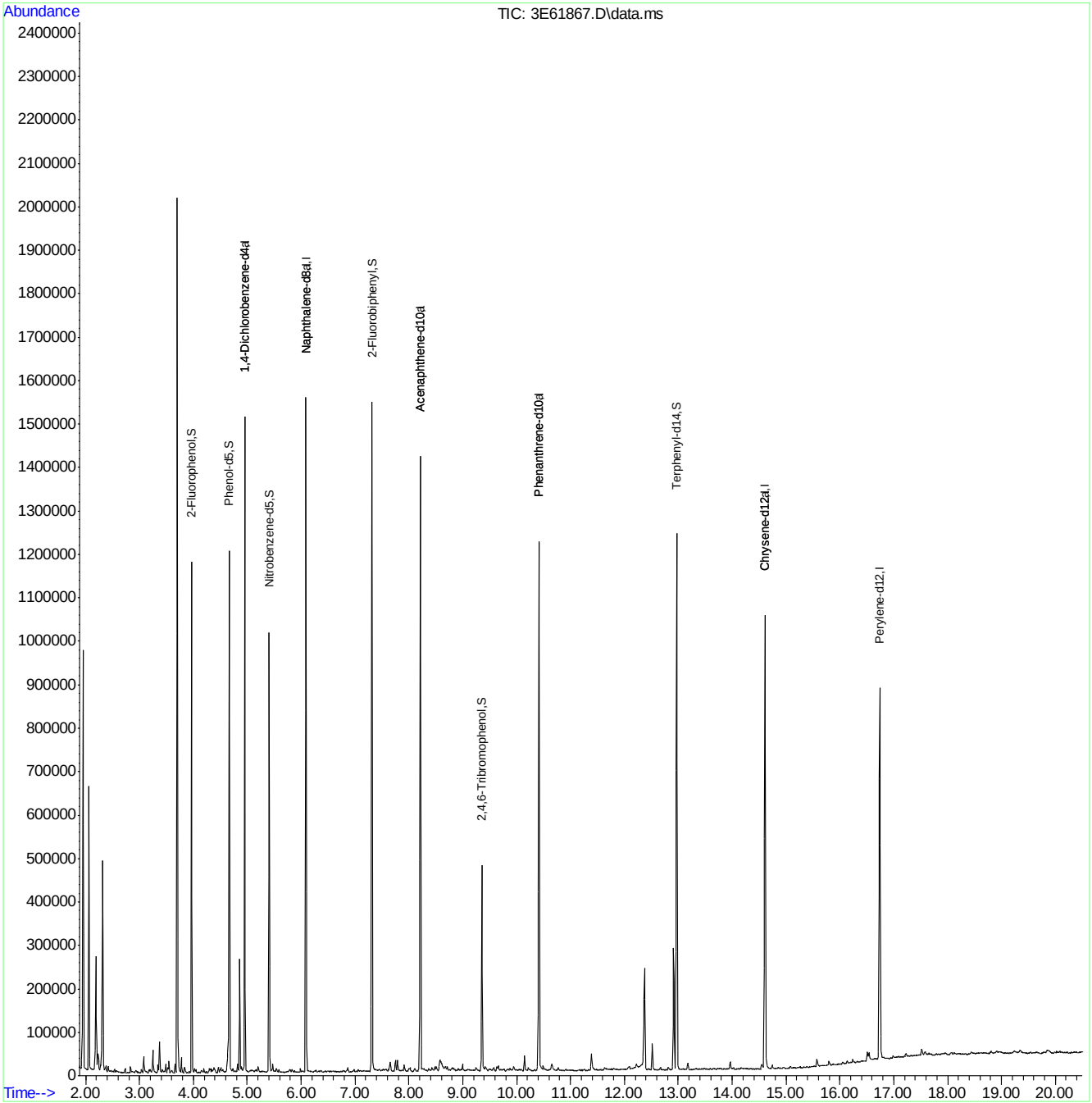
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.952	152	185456	40.00	ppb	-0.03
24) Naphthalene-d8	6.085	136	675836	40.00	ppb	-0.04
47) Acenaphthene-d10	8.214	164	351265	40.00	ppb	-0.04
69) Phenanthrene-d10	10.413	188	521272	40.00	ppb	-0.04
83) Chrysene-d12	14.611	240	426388	40.00	ppb	-0.05
92) Perylene-d12	16.745	264	380092	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	4.952	152	185456	40.00	ppb	-0.03
104) Acenaphthene-d10a	8.214	164	351265	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.413	188	521272	40.00	ppb	-0.04
108) Chrysene-d12a	14.611	240	426388	40.00	ppb	-0.04
110) Naphthalene-d8a	6.085	136	675836	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	274865	43.86	ppb	-0.01
Spiked Amount 50.000			Recovery = 87.72%			
8) Phenol-d5	4.663	99	329785	42.47	ppb	-0.02
Spiked Amount 50.000			Recovery = 84.94%			
25) Nitrobenzene-d5	5.406	82	286023	48.84	ppb	-0.03
Spiked Amount 50.000			Recovery = 97.68%			
51) 2-Fluorobiphenyl	7.316	172	520749	48.32	ppb	-0.04
Spiked Amount 50.000			Recovery = 96.64%			
73) 2,4,6-Tribromophenol	9.359	330	53611	58.76	ppb	-0.04
Spiked Amount 50.000			Recovery = 117.52%			
85) Terphenyl-d14	12.975	244	463081	51.36	ppb	-0.04
Spiked Amount 50.000			Recovery = 102.72%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61867.D
Acq On : 9 Jun 2014 8:21 pm
Operator : saumilp
Sample : jb68173-2
Misc : op75285,e3e2653,30.4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 11 18:13:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/12/14 12:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61868.D
Acq On : 9 Jun 2014 8:49 pm
Operator : saumilp
Sample : jb68173-3
Misc : op75285,e3e2653,31.3
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 12 15:57:18 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

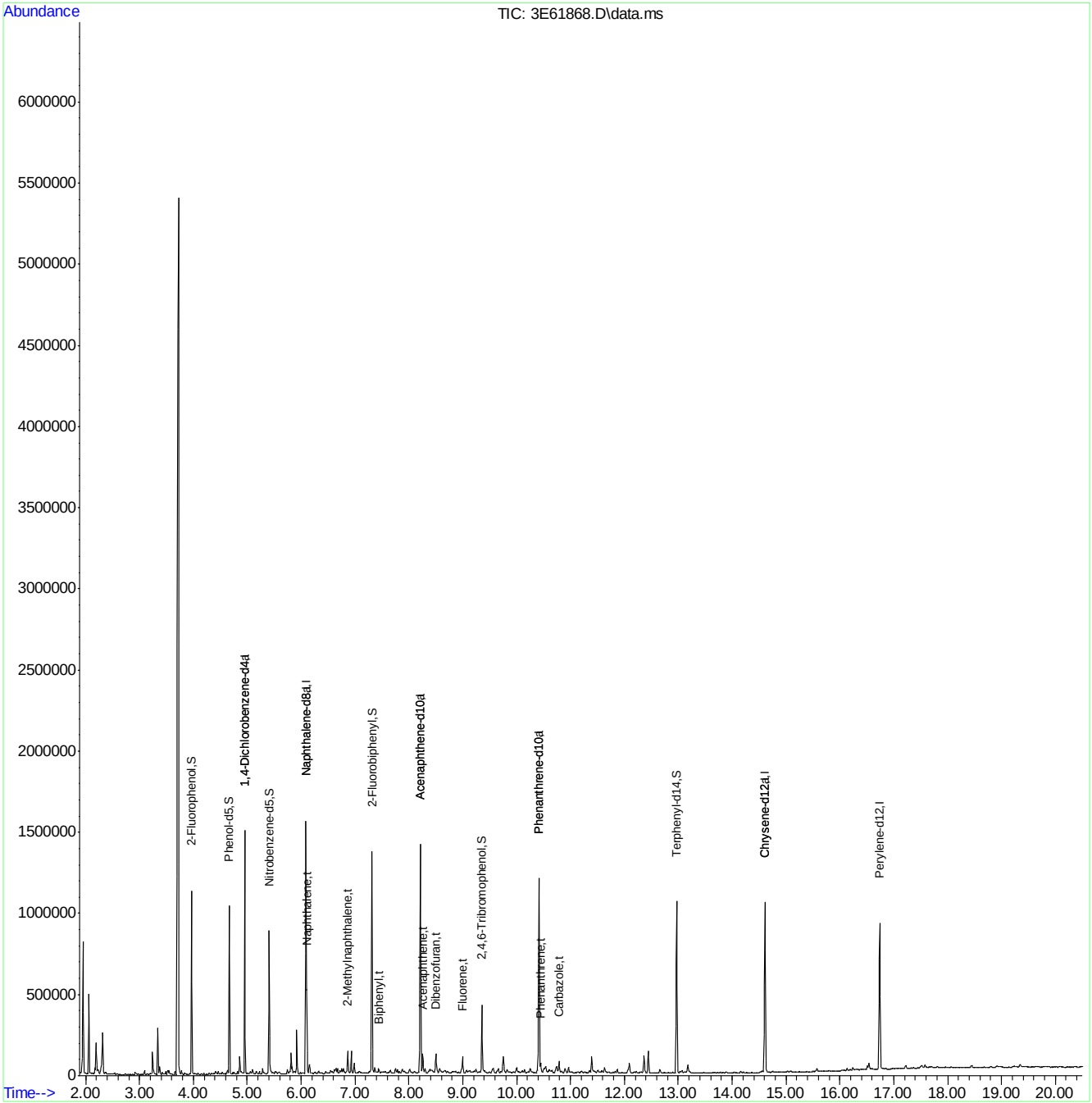
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.952	152	184033	40.00	ppb	-0.03
24) Naphthalene-d8	6.085	136	679887	40.00	ppb	-0.04
47) Acenaphthene-d10	8.214	164	354054	40.00	ppb	-0.04
69) Phenanthrene-d10	10.413	188	517918	40.00	ppb	-0.04
83) Chrysene-d12	14.611	240	423957	40.00	ppb	-0.05
92) Perylene-d12	16.740	264	380619	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	4.952	152	184033	40.00	ppb	-0.03
104) Acenaphthene-d10a	8.214	164	354054	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.413	188	517918	40.00	ppb	-0.04
108) Chrysene-d12a	14.611	240	423957	40.00	ppb	-0.04
110) Naphthalene-d8a	6.085	136	679887	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	245782	39.52	ppb	-0.01
Spiked Amount 50.000			Recovery = 79.04%			
8) Phenol-d5	4.663	99	288647	37.46	ppb	-0.02
Spiked Amount 50.000			Recovery = 74.92%			
25) Nitrobenzene-d5	5.406	82	245688	41.70	ppb	-0.03
Spiked Amount 50.000			Recovery = 83.40%			
51) 2-Fluorobiphenyl	7.316	172	456845	42.05	ppb	-0.04
Spiked Amount 50.000			Recovery = 84.10%			
73) 2,4,6-Tribromophenol	9.359	330	47729	52.65	ppb	-0.04
Spiked Amount 50.000			Recovery = 105.30%			
85) Terphenyl-d14	12.969	244	405309	45.21	ppb	-0.04
Spiked Amount 50.000			Recovery = 90.42%			
Target Compounds						Qvalue
38) Naphthalene	6.107	128	218058	11.86	ppb	98
44) 2-Methylnaphthalene	6.866	141	33358	3.12	ppb	98
53) Biphenyl	7.439	154	7024	0.46	ppb	95
59) Acenaphthene	8.257	153	30233	2.90	ppb	100
62) Dibenzofuran	8.503	168	49893	3.59	ppb	99
66) Fluorene	8.995	166	34114	2.97	ppb	97
77) Phenanthrene	10.445	178	23812	1.63	ppb	99
79) Carbazole	10.792	167	30712	1.94	ppb	98

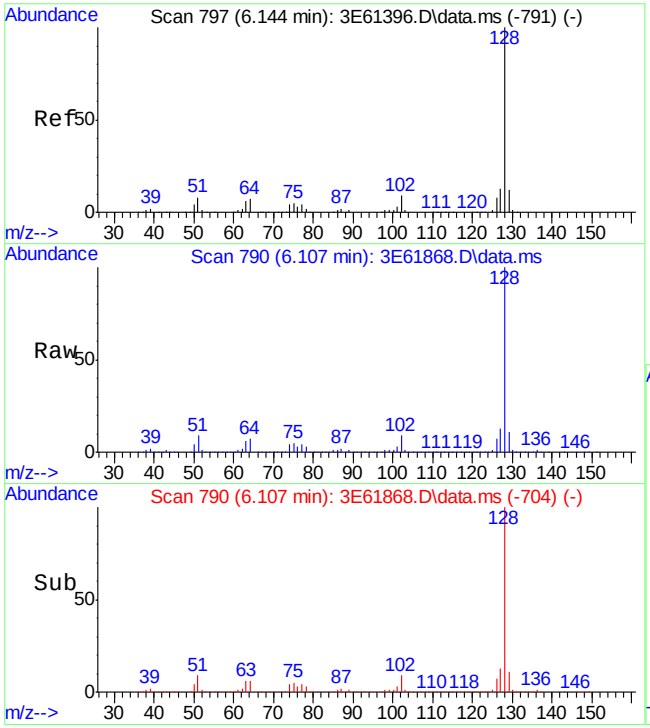
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61868.D
Acq On : 9 Jun 2014 8:49 pm
Operator : saumilp
Sample : jb68173-3
Misc : op75285,e3e2653,31.3
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 12 15:57:18 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

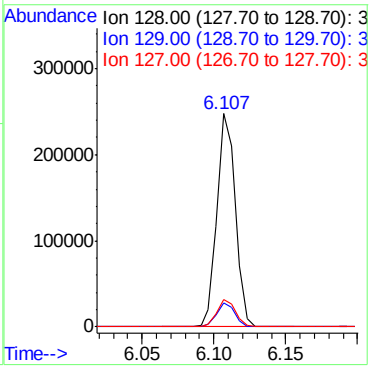


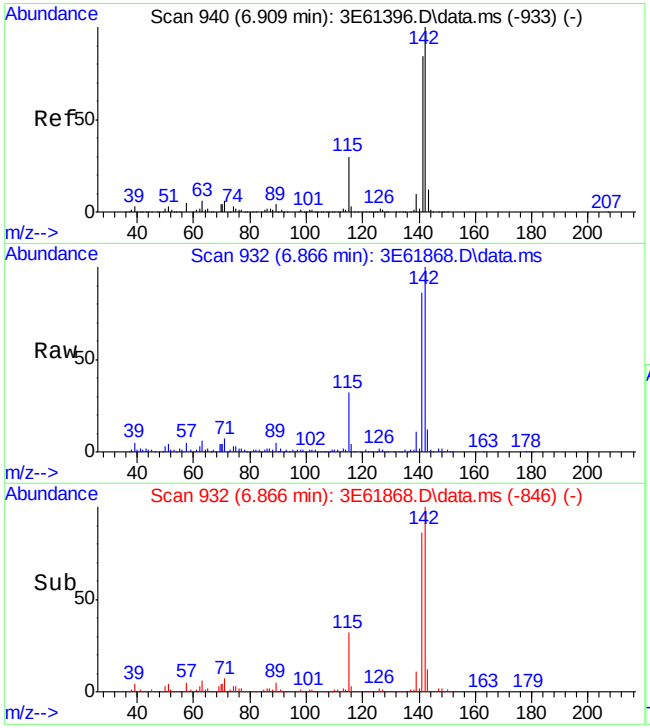


#38
Naphthalene
Concen: 11.86 ppb
RT: 6.107 min Scan# 790
Delta R.T. -0.037 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:128 Resp: 218058

Ion	Ratio	Lower	Upper
128	100		
129	11.4	0.0	41.9
127	12.6	0.0	43.4

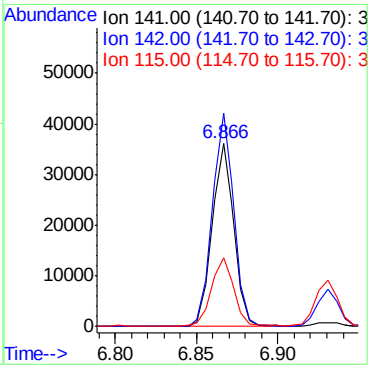


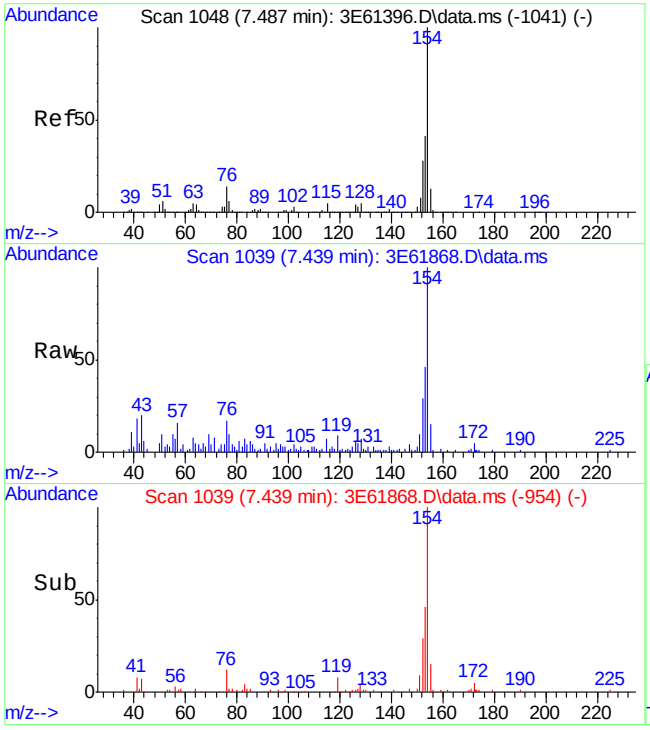


#44
2-Methylnaphthalene
Concen: 3.12 ppb
RT: 6.866 min Scan# 932
Delta R.T. -0.037 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:141 Resp: 33358

Ion	Ratio	Lower	Upper
141	100		
142	116.4	88.5	148.5
115	37.3	5.9	65.9

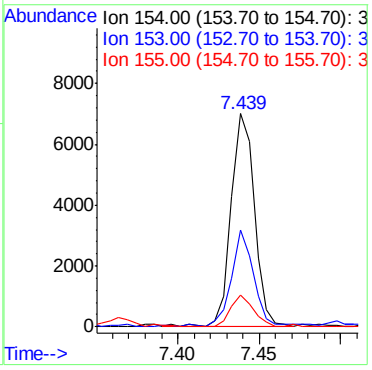


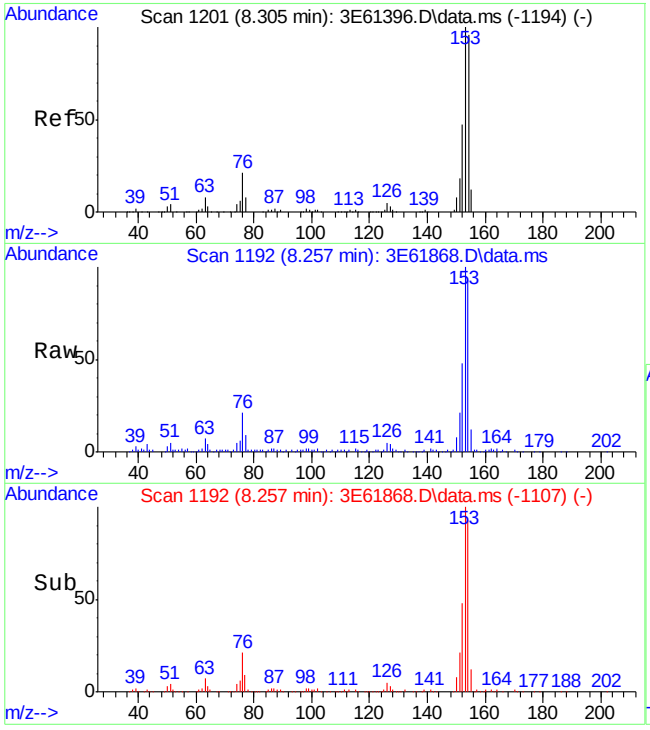


#53
Biphenyl
Concen: 0.46 ppb
RT: 7.439 min Scan# 1039
Delta R.T. -0.043 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:154 Resp: 7024

Ion	Ratio	Lower	Upper
154	100		
153	44.5	10.7	70.7
155	14.1	0.0	43.4

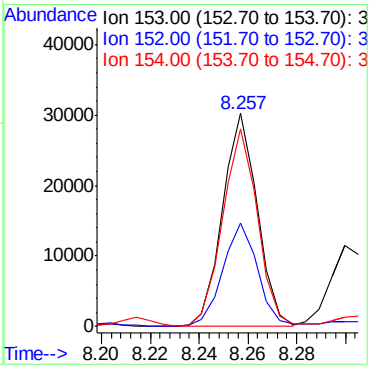


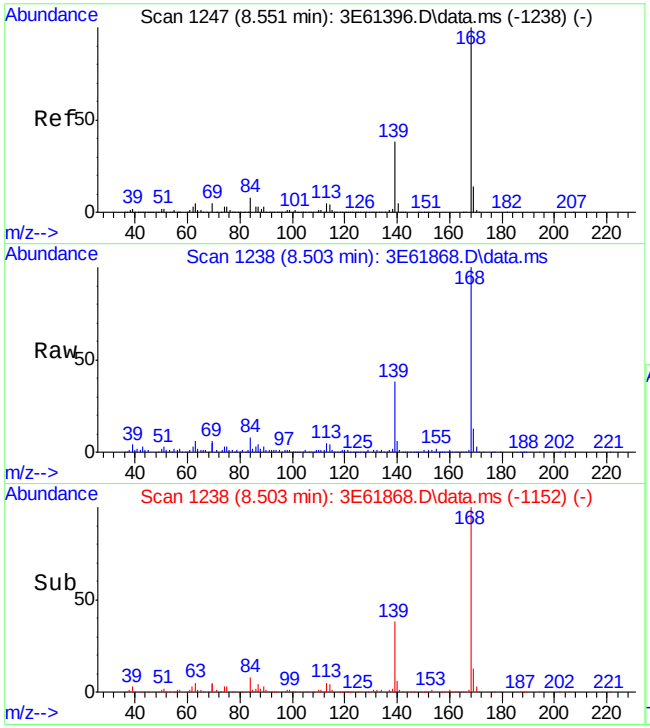


#59
Acenaphthene
Concen: 2.90 ppb
RT: 8.257 min Scan# 1192
Delta R.T. -0.043 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:153 Resp: 30233

Ion	Ratio	Lower	Upper
153	100		
152	47.8	17.4	77.4
154	92.0	62.3	122.3

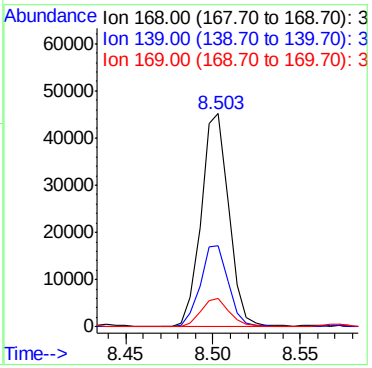


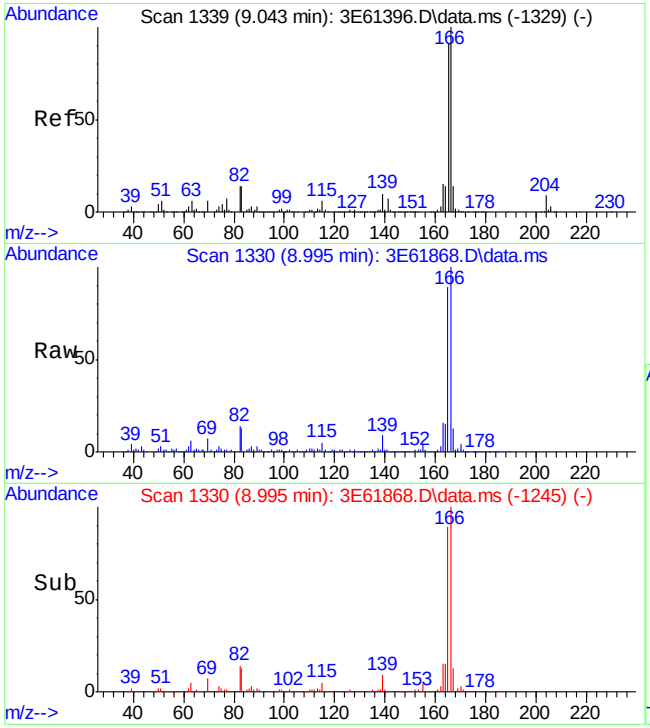


#62
Dibenzofuran
Concen: 3.59 ppb
RT: 8.503 min Scan# 1238
Delta R.T. -0.037 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:168 Resp: 49893

Ion	Ratio	Lower	Upper
168	100		
139	38.0	8.4	68.4
169	13.4	0.0	44.3

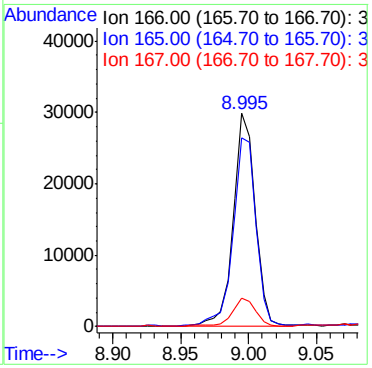


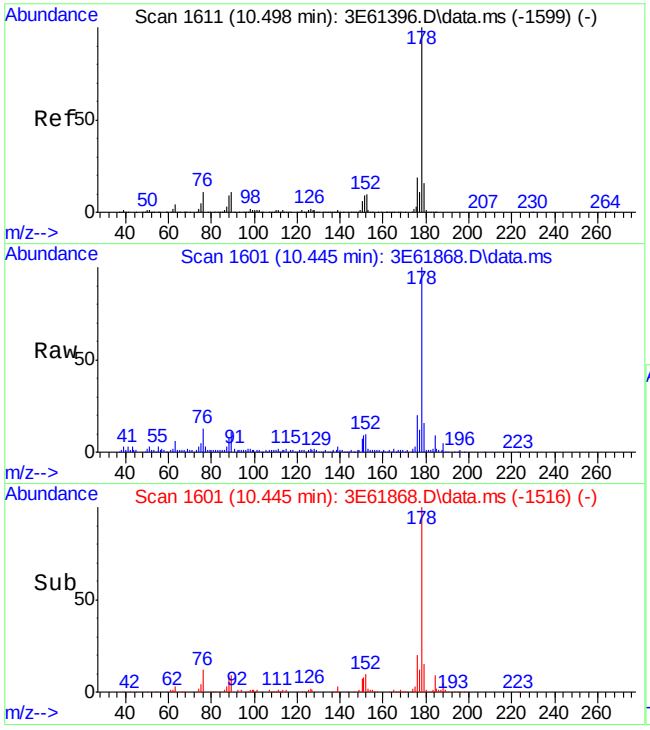


#66
Fluorene
Concen: 2.97 ppb
RT: 8.995 min Scan# 1330
Delta R.T. -0.043 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:166 Resp: 34114

Ion	Ratio	Lower	Upper
166	100		
165	88.4	61.1	121.1
167	13.1	0.0	44.0

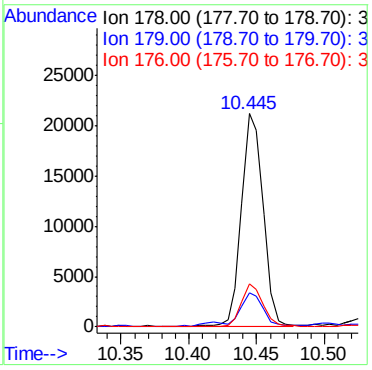


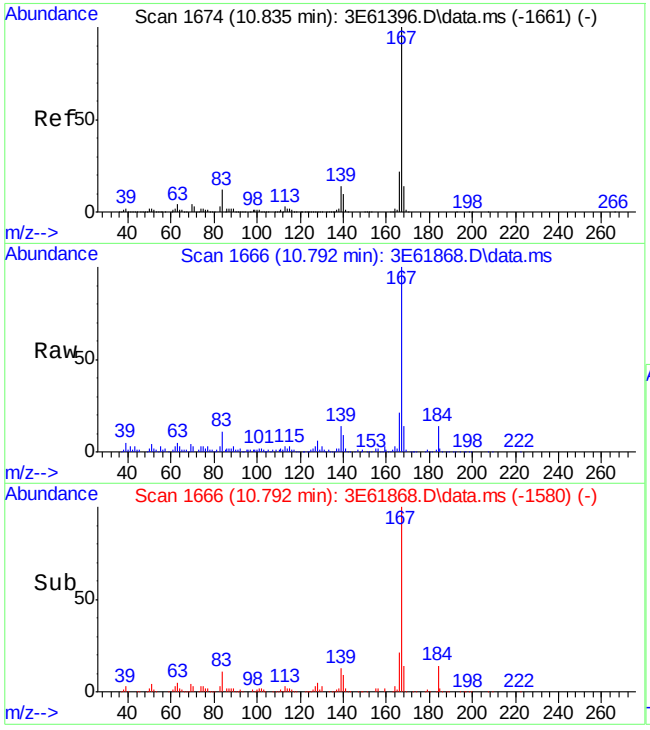


#77
Phenanthrene
Concen: 1.63 ppb
RT: 10.445 min Scan# 1601
Delta R.T. -0.043 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:178 Resp: 23812

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	46.3
176	19.6	0.0	49.5

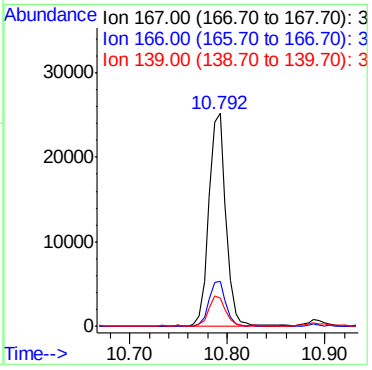




#79
Carbazole
Concen: 1.94 ppb
RT: 10.792 min Scan# 1666
Delta R.T. -0.037 min
Lab File: 3E61868.D
Acq: 9 Jun 2014 8:49 pm

Tgt Ion:167 Resp: 30712

Ion	Ratio	Lower	Upper
167	100		
166	20.9	0.0	52.1
139	13.1	0.0	44.0



Manual Integration Approval Summary

Sample Number:	JB68173-3	**Method:**	SW846 8270D
Lab FileID:	3E61868.D	**Analyst approved:**	06/11/14 18:27 Andrew Lee Smith
Injection Time:	06/09/14 20:49	**Supervisor approved:**	06/12/14 12:31 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-Dimethylphenol	105-67-9		5.74	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92412.D
Acq On : 11 Jun 2014 7:25 pm
Operator : harpreek
Sample : jb68173-4
Misc : op75285,ez4593,31.5,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 12 11:30:05 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

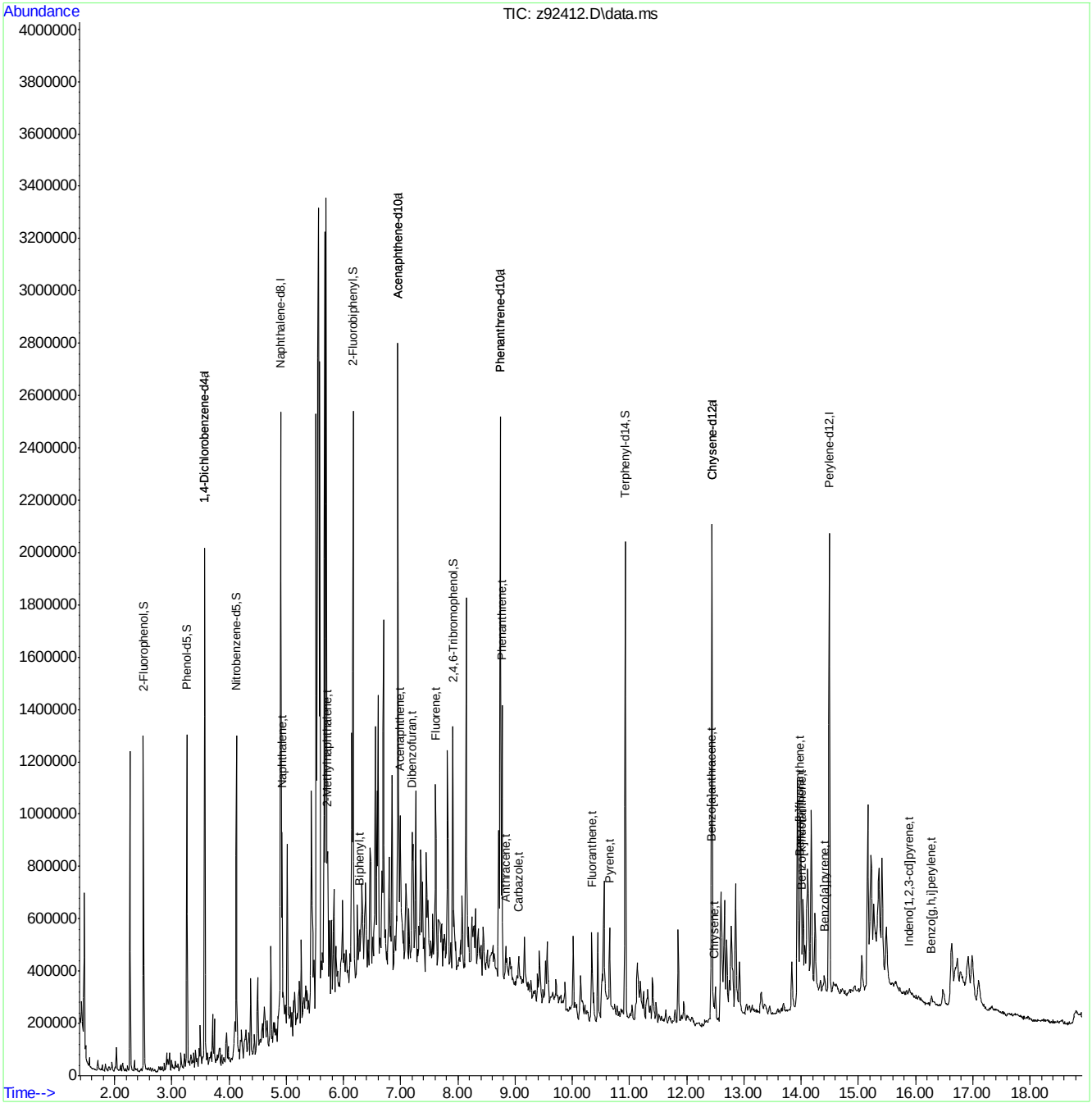
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	220969	40.00	ppb	0.00
24) Naphthalene-d8	4.902	136	872372	40.00	ppb	0.00
47) Acenaphthene-d10	6.954	164	475955	40.00	ppb	0.00
69) Phenanthrene-d10	8.743	188	805722	40.00	ppb	0.00
83) Chrysene-d12	12.446	240	802591	40.00	ppb	0.00
92) Perylene-d12	14.492	264	772889	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	220969	40.00	ppb	0.00
104) Phenanthrene-d10a	8.743	188	805722	40.00	ppb	0.00
106) Chrysene-d12a	12.446	240	802591	40.00	ppb	0.00
108) Acenaphthene-d10a	6.954	164	475955	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.504	112	296544	39.27	ppb	0.00
Spiked Amount 50.000			Recovery = 78.54%			
8) Phenol-d5	3.262	99	381753	40.14	ppb	0.00
Spiked Amount 50.000			Recovery = 80.28%			
25) Nitrobenzene-d5	4.128	82	327161	42.56	ppb	0.00
Spiked Amount 50.000			Recovery = 85.12%			
51) 2-Fluorobiphenyl	6.168	172	609856	40.42	ppb	0.00
Spiked Amount 50.000			Recovery = 80.84%			
73) 2,4,6-Tribromophenol	7.910	330	93734	47.61	ppb	0.00
Spiked Amount 50.000			Recovery = 95.22%			
86) Terphenyl-d14	10.928	244	665958	41.26	ppb	0.00
Spiked Amount 50.000			Recovery = 82.52%			
Target Compounds						Qvalue
38) Naphthalene	4.924	128	315672	12.97	ppb	99
44) 2-Methylnaphthalene	5.725	141	77541	5.87	ppb	93
53) Biphenyl	6.281	154	12781	0.63	ppb	96
59) Acenaphthene	6.991	153	80638	5.73	ppb	100
62) Dibenzofuran	7.199	168	124780	6.39	ppb	76
66) Fluorene	7.611	166	126015	8.25	ppb	99
77) Phenanthrene	8.770	178	383842	16.38	ppb	99
78) Anthracene	8.834	178	41532	1.83	ppb	97
79) Carbazole	9.064	167	30327	1.29	ppb	96
81) Fluoranthene	10.341	202	153666	6.73	ppb	97
84) Pyrene	10.656	202	113001	4.62	ppb	98
88) Benzo[a]anthracene	12.430	228	30984	1.40	ppb	99
90) Chrysene	12.478	228	27456	1.25	ppb	99
94) Benzo[b]fluoranthene	13.979	252	18700	0.81	ppb	83
95) Benzo[k]fluoranthene	14.011	252	7534	0.32	ppb	95
96) Benzo[a]pyrene	14.406	252	18703	0.91	ppb	95
97) Indeno[1,2,3-cd]pyrene	15.886	276	9228	0.47	ppb	86
101) Benzo[g,h,i]perylene	16.276	276	14201	0.69	ppb	86

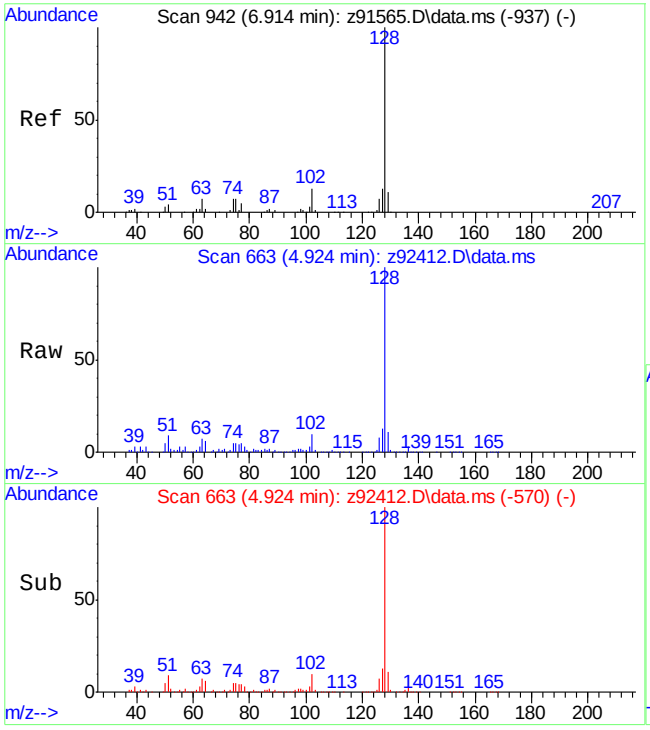
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92412.D
Acq On : 11 Jun 2014 7:25 pm
Operator : harpreek
Sample : jb68173-4
Misc : op75285,ez4593,31.5,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 12 11:30:05 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

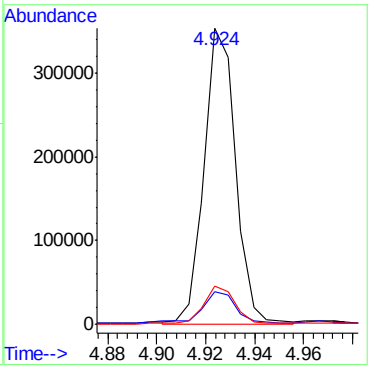


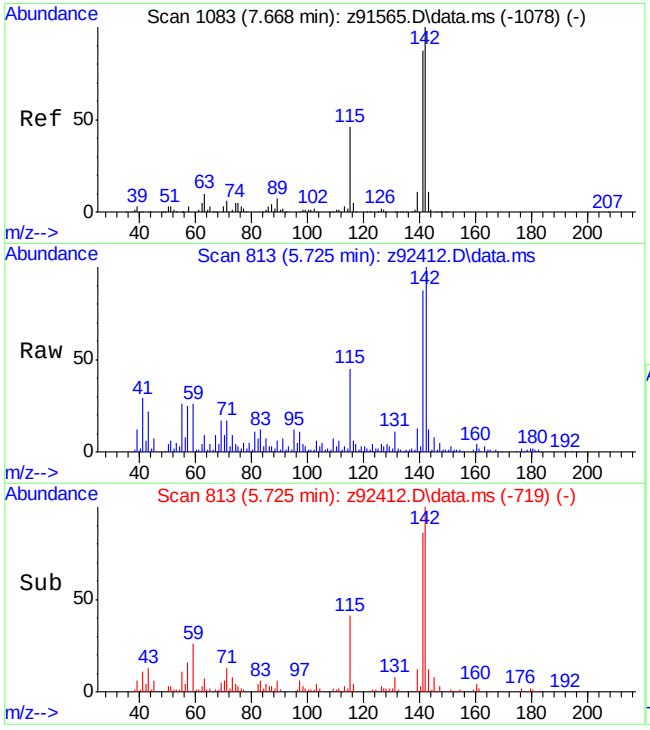


#38
Naphthalene
Concen: 12.97 ppb
RT: 4.924 min Scan# 663
Delta R.T. -0.005 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:128 Resp: 315672

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	40.5
127	12.8	0.0	42.7

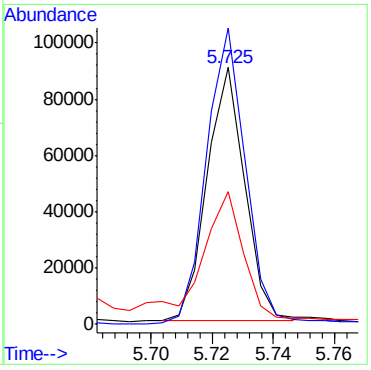


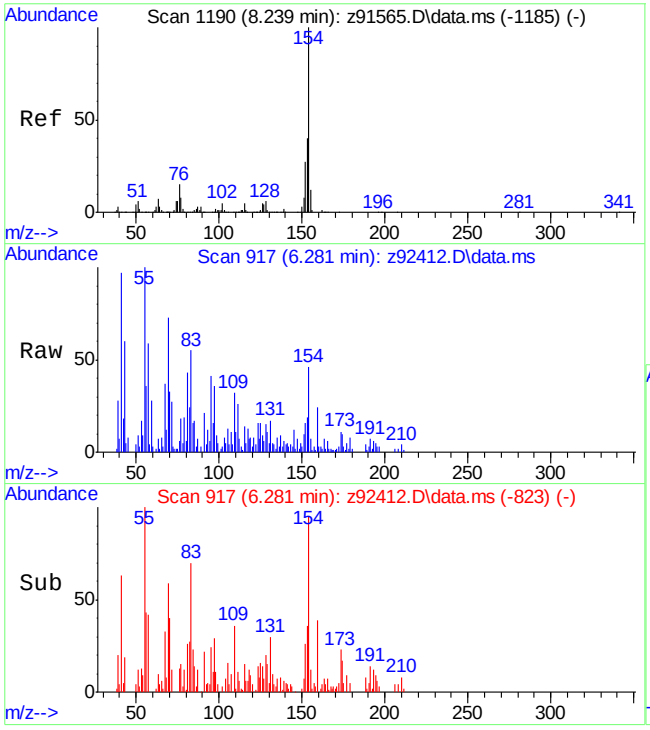


#44
2-Methylnaphthalene
Concen: 5.87 ppb
RT: 5.725 min Scan# 813
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:141 Resp: 77541

Ion	Ratio	Lower	Upper
141	100		
142	116.3	91.4	151.4
115	46.8	8.5	68.5

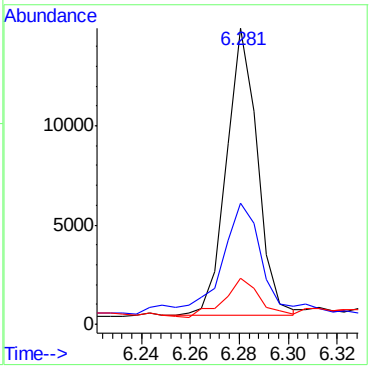


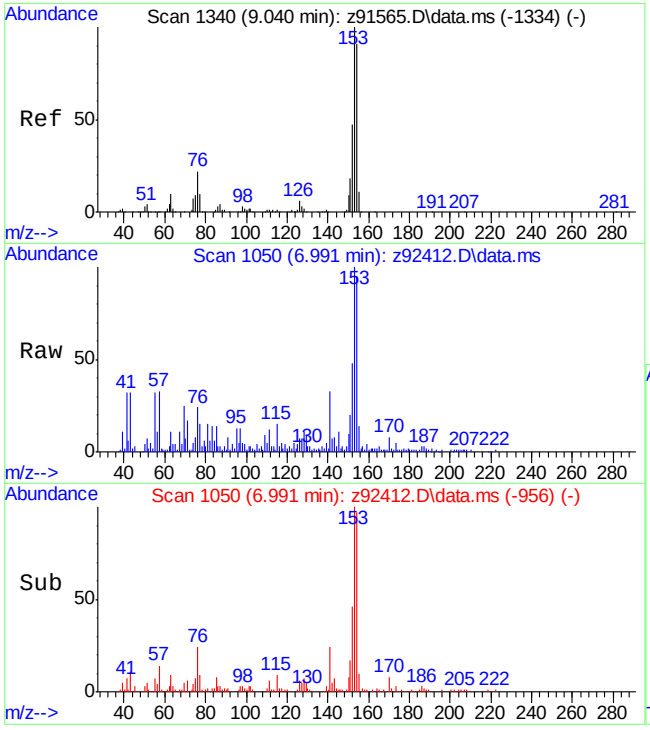


#53
Biphenyl
Concen: 0.63 ppb
RT: 6.281 min Scan# 917
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:154 Resp: 12781

Ion	Ratio	Lower	Upper
154	100		
153	36.1	9.3	69.3
155	12.7	0.0	42.4

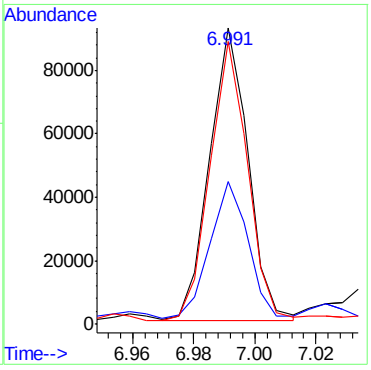


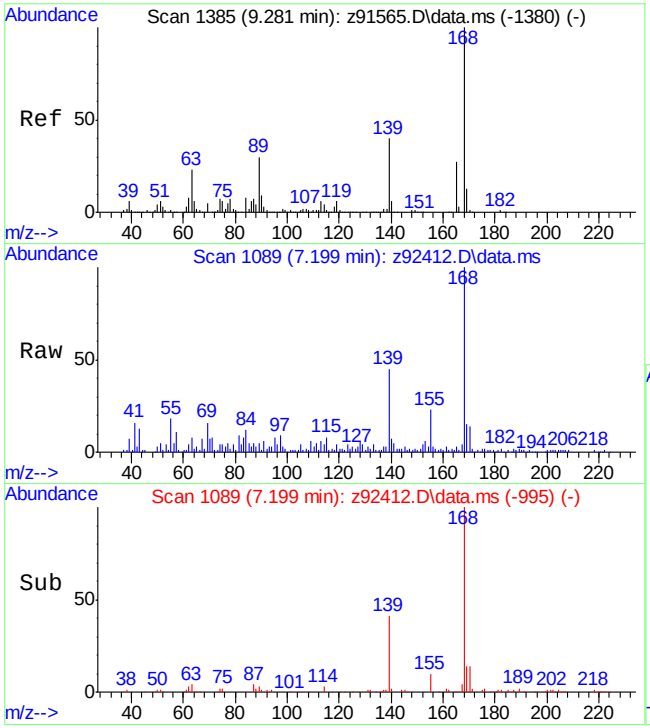


#59
Acenaphthene
Concen: 5.73 ppb
RT: 6.991 min Scan# 1050
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:153 Resp: 80638

Ion	Ratio	Lower	Upper
153	100		
152	47.1	17.4	77.4
154	96.0	65.9	125.9

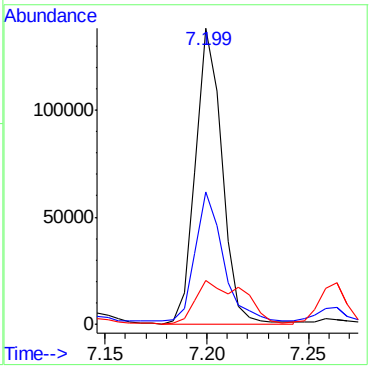


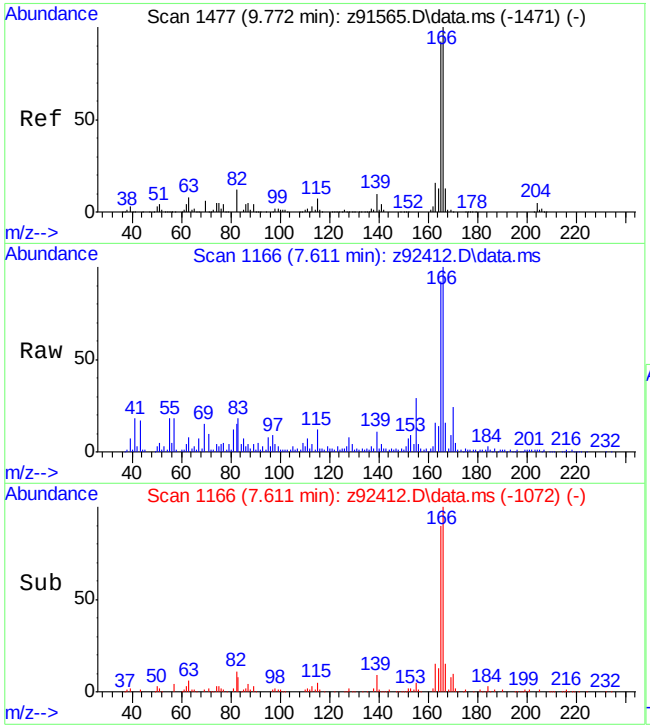


#62
Dibenzofuran
Concen: 6.39 ppb
RT: 7.199 min Scan# 1089
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:168 Resp: 124780

Ion	Ratio	Lower	Upper
168	100		
139	43.6	0.0	56.5
169	14.5	0.0	42.8

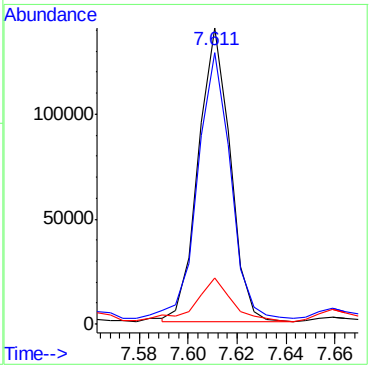


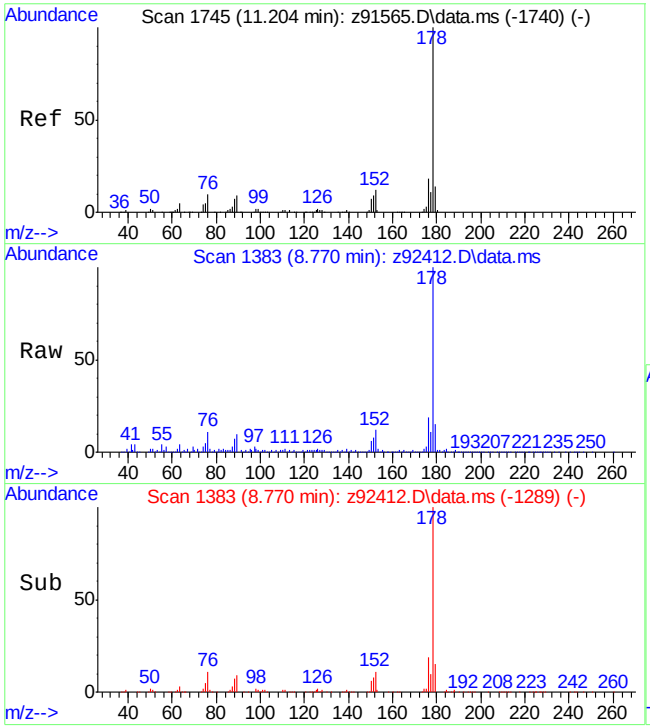


#66
Fluorene
Concen: 8.25 ppb
RT: 7.611 min Scan# 1166
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:166 Resp: 126015

Ion	Ratio	Lower	Upper
166	100		
165	89.7	60.3	120.3
167	13.8	0.0	42.9

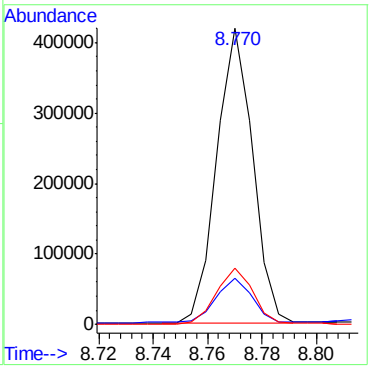


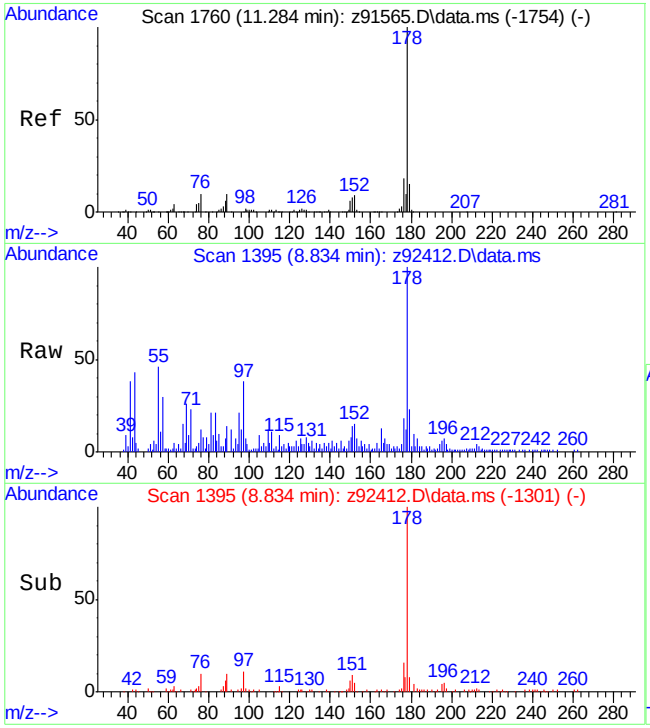


#77
Phenanthrene
Concen: 16.38 ppb
RT: 8.770 min Scan# 1383
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:178 Resp: 383842

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	45.1
176	19.0	0.0	48.1

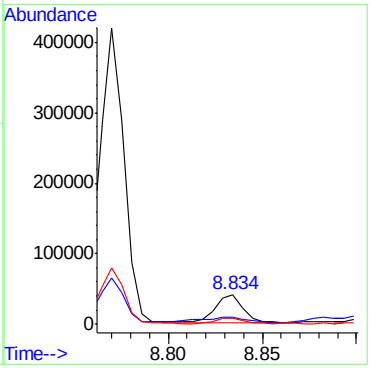


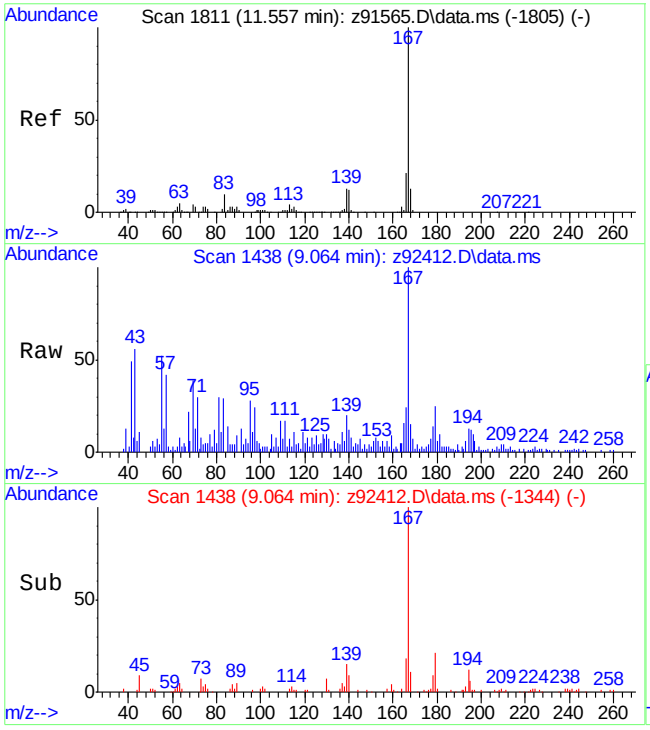


#78
Anthracene
Concen: 1.83 ppb
RT: 8.834 min Scan# 1395
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:178 Resp: 41532

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.0
176	17.0	0.0	47.8

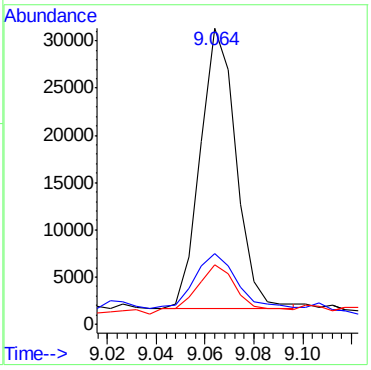


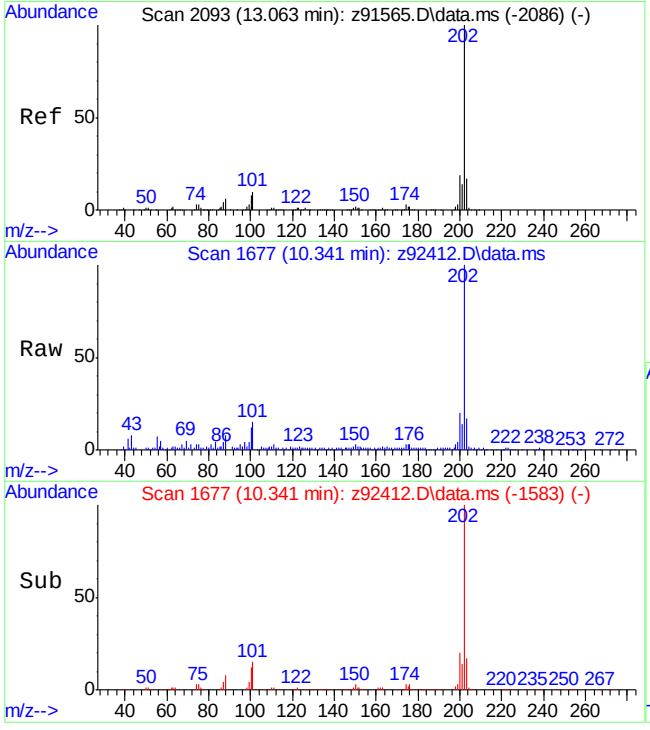


#79
Carbazole
Concen: 1.29 ppb
RT: 9.064 min Scan# 1438
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:167 Resp: 30327

Ion	Ratio	Lower	Upper
167	100		
166	18.9	0.0	49.8
139	16.1	0.0	43.1

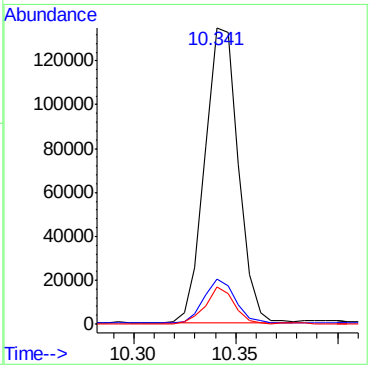


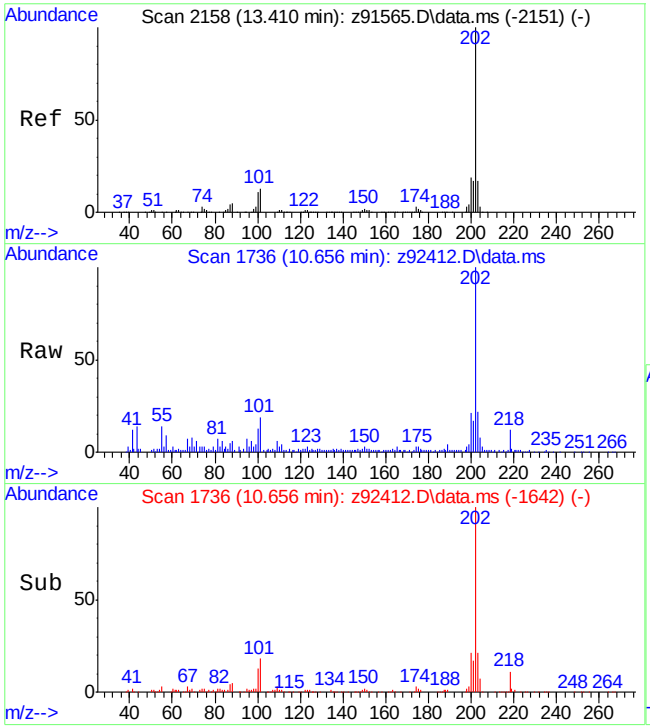


#81
Fluoranthene
Concen: 6.73 ppb
RT: 10.341 min Scan# 1677
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:202 Resp: 153666

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	47.1
100	12.3	0.0	42.5

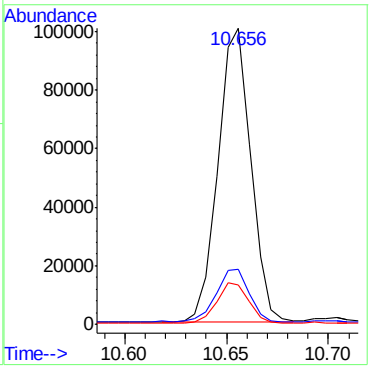


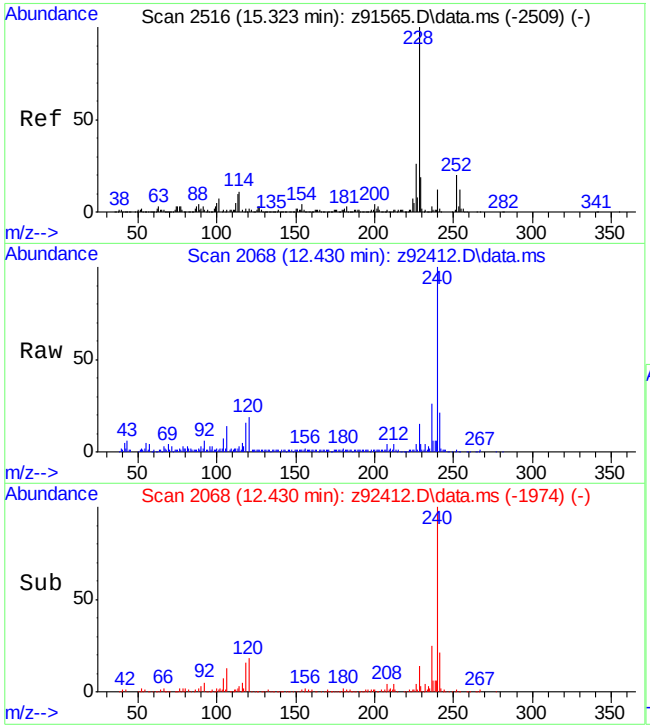


#84
Pyrene
Concen: 4.62 ppb
RT: 10.656 min Scan# 1736
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:202 Resp: 113001

Ion	Ratio	Lower	Upper
202	100		
101	18.1	0.0	48.4
100	12.9	0.0	44.6

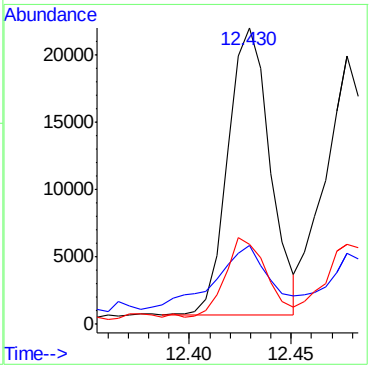


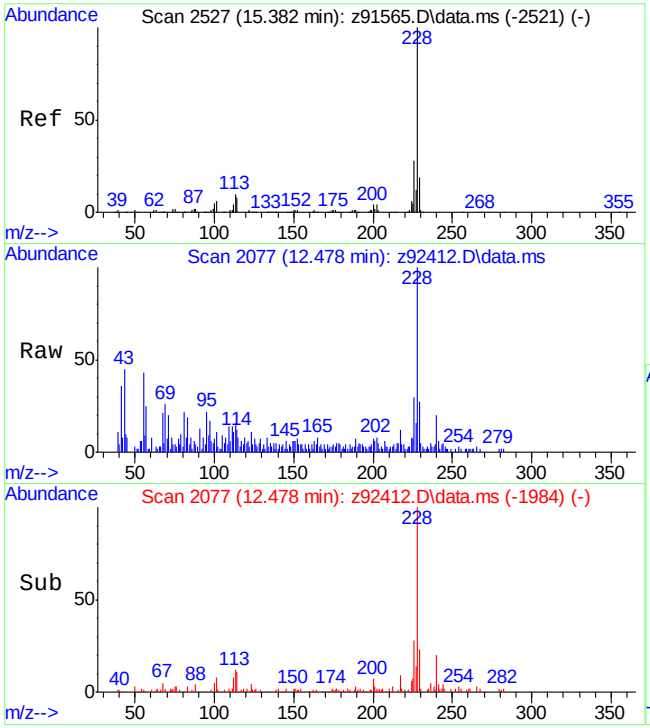


#88
Benzo[a]anthracene
Concen: 1.40 ppb
RT: 12.430 min Scan# 2068
Delta R.T. 0.000 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:228 Resp: 30984

Ion	Ratio	Lower	Upper
228	100		
229	20.3	0.0	49.3
226	25.4	0.0	55.6

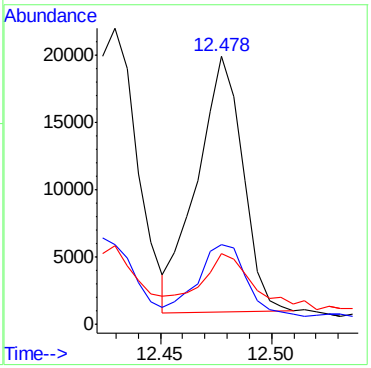


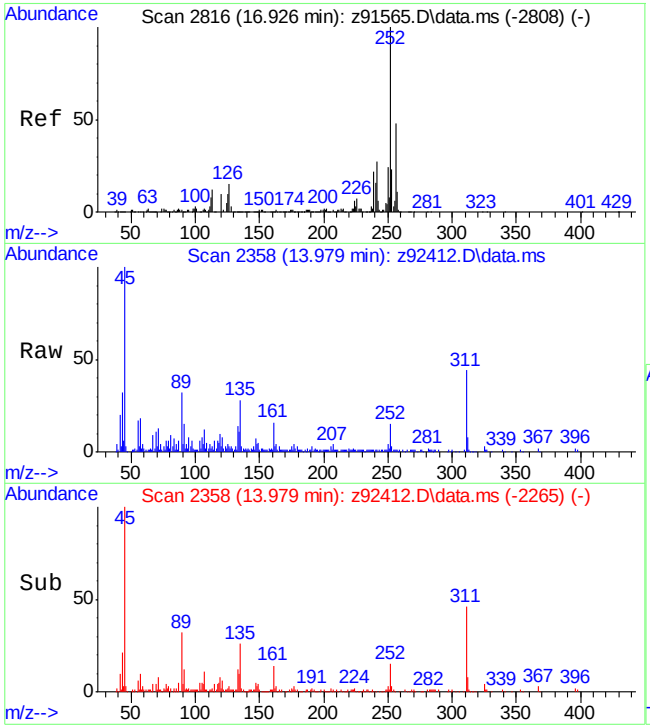


#90
Chrysene
Concen: 1.25 ppb
RT: 12.478 min Scan# 2077
Delta R.T. -0.005 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:228 Resp: 27456

Ion	Ratio	Lower	Upper
228	100		
226	28.2	0.0	58.5
229	19.7	0.0	49.0

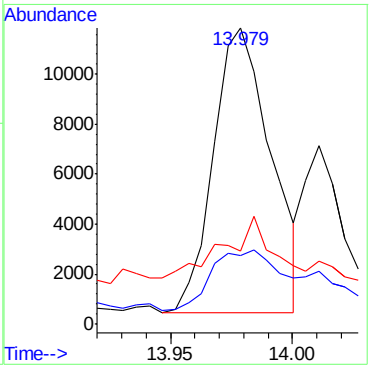


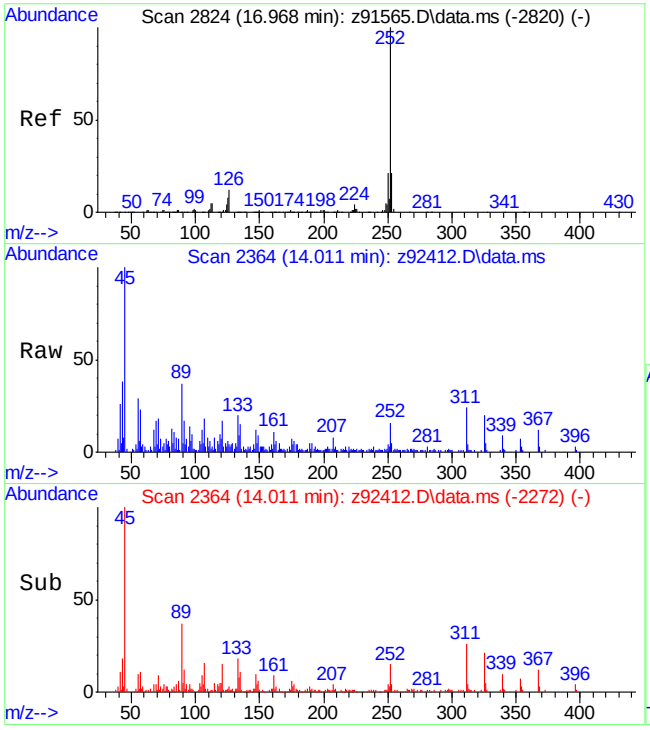


#94
Benzo[b]fluoranthene
Concen: 0.81 ppb
RT: 13.979 min Scan# 2358
Delta R.T. -0.005 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:252 Resp: 18700

Ion	Ratio	Lower	Upper
252	100		
253	16.2	0.0	54.0
125	8.9	0.0	47.1

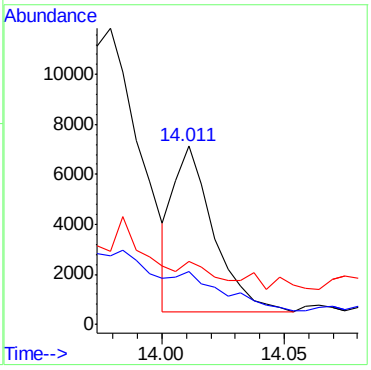


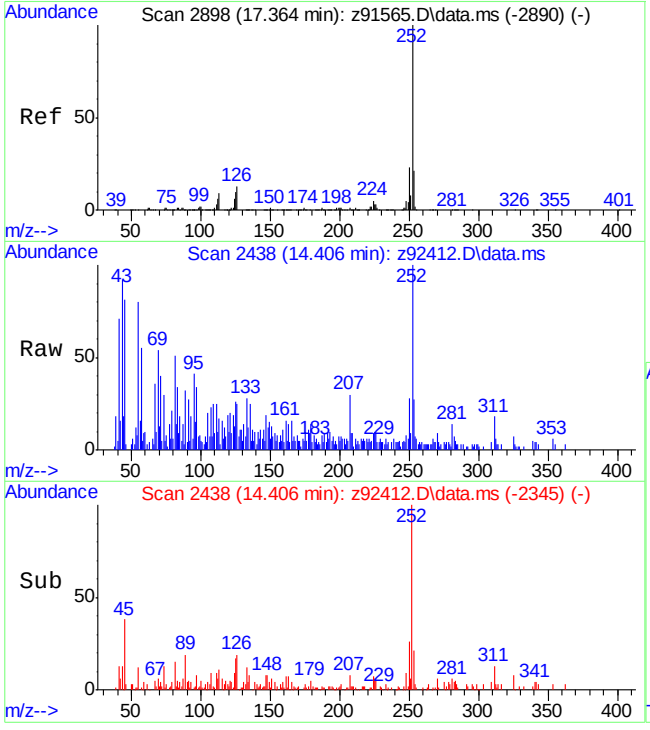


#95
Benzo[k]fluoranthene
Concen: 0.32 ppb
RT: 14.011 min Scan# 2364
Delta R.T. -0.011 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:252 Resp: 7534

Ion	Ratio	Lower	Upper
252	100		
253	19.3	0.0	51.2
125	12.1	0.0	45.0

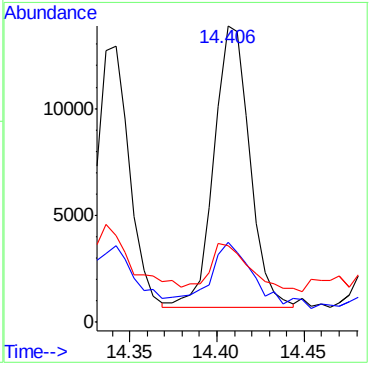


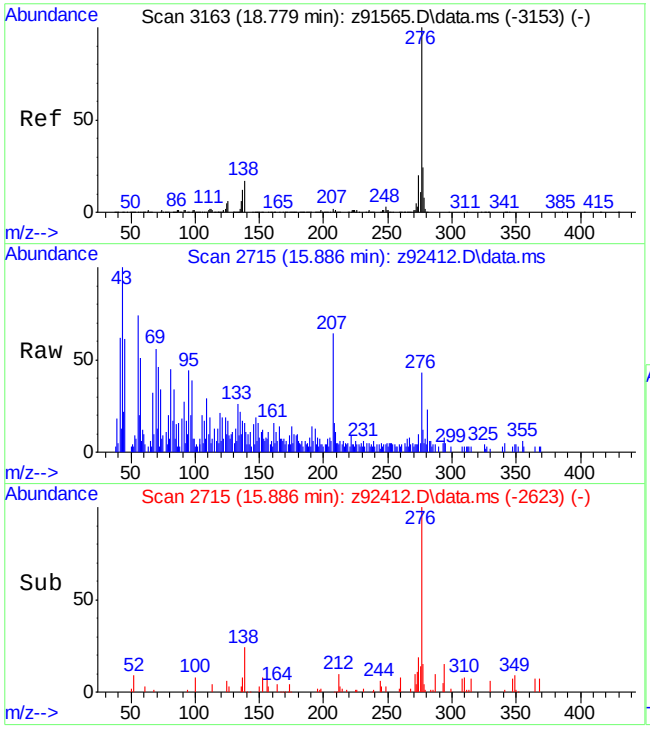


#96
Benzo[a]pyrene
Concen: 0.91 ppb
RT: 14.406 min Scan# 2438
Delta R.T. -0.005 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:252 Resp: 18703

Ion	Ratio	Lower	Upper
252	100		
253	20.2	0.0	51.6
125	14.0	0.0	47.1

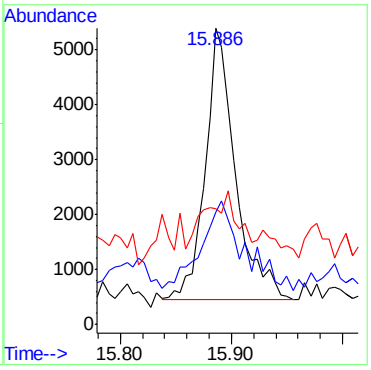


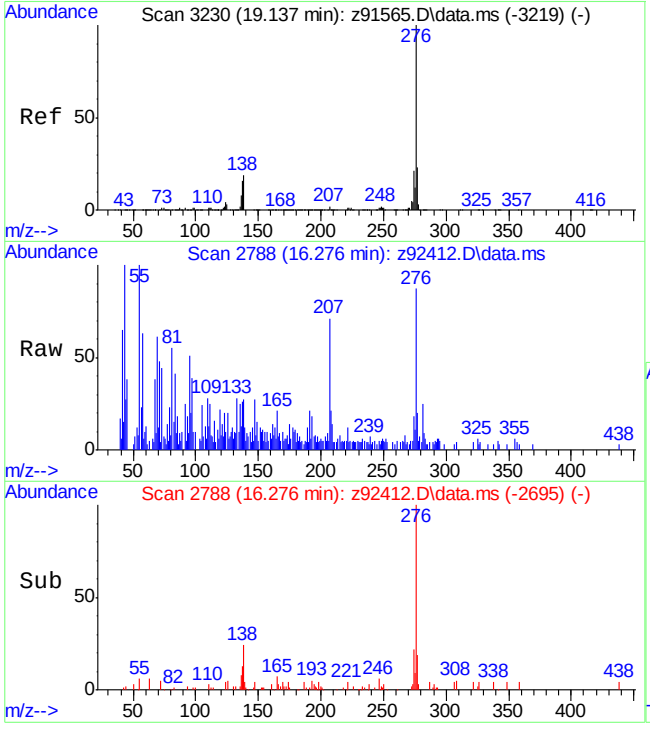


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.47 ppb
RT: 15.886 min Scan# 2715
Delta R.T. -0.011 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:276 Resp: 9228

Ion	Ratio	Lower	Upper
276	100		
138	28.6	0.0	55.2
137	8.7	0.0	49.3

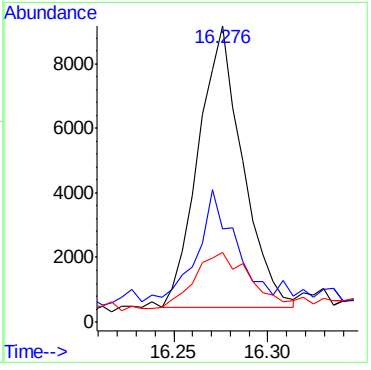




#101
Benzo[g,h,i]perylene
Concen: 0.69 ppb
RT: 16.276 min Scan# 2788
Delta R.T. -0.005 min
Lab File: z92412.D
Acq: 11 Jun 2014 7:25 pm

Tgt Ion:276 Resp: 14201

Ion	Ratio	Lower	Upper
276	100		
138	24.2	3.7	63.7
277	18.6	0.0	53.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92413.D
Acq On : 11 Jun 2014 7:51 pm
Operator : harpreek
Sample : jb68173-5
Misc : op75285,ez4593,32.6,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 12 11:31:31 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

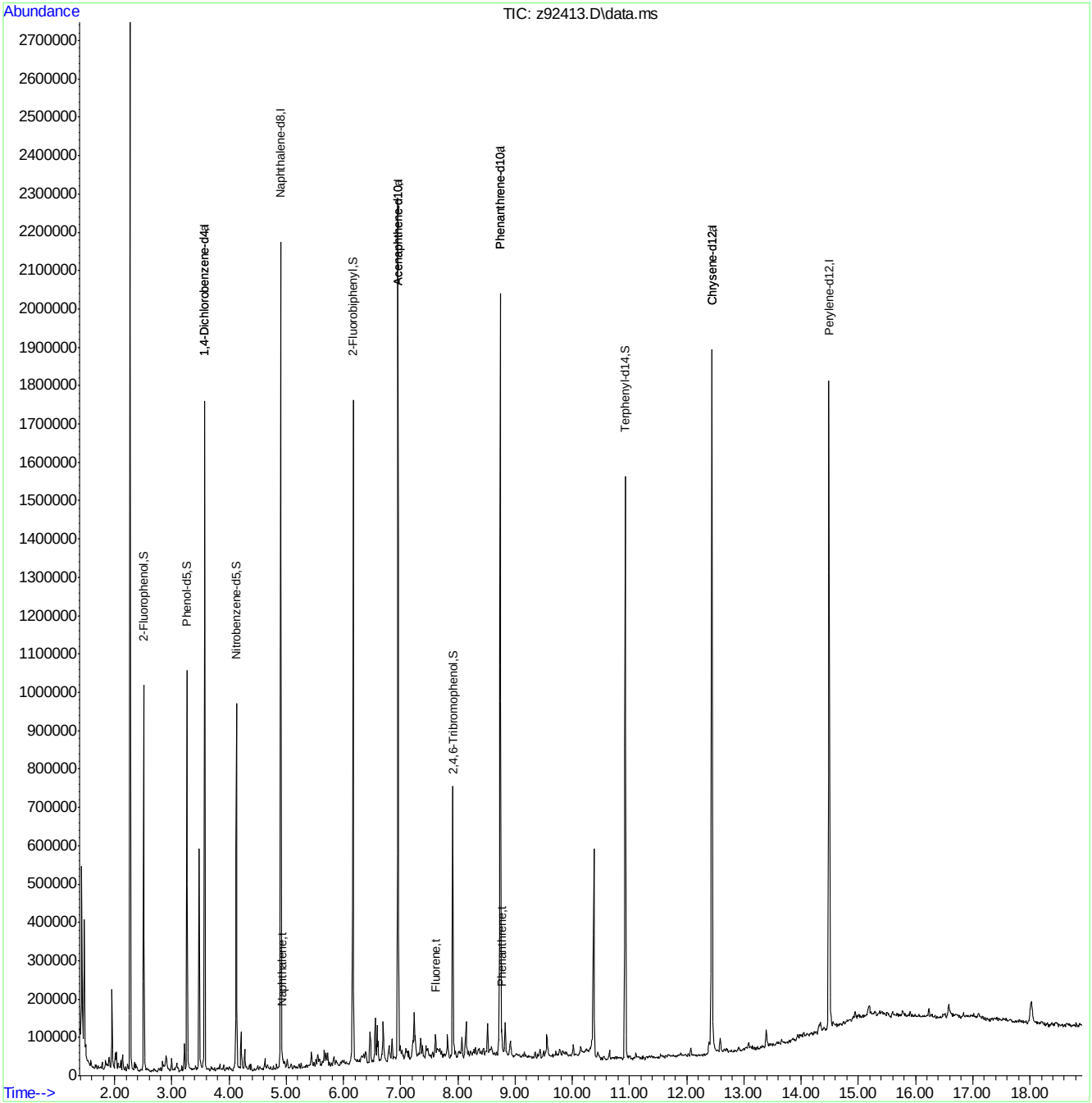
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	213475	40.00	ppb	0.00
24) Naphthalene-d8	4.902	136	842832	40.00	ppb	0.00
47) Acenaphthene-d10	6.954	164	462192	40.00	ppb	0.00
69) Phenanthrene-d10	8.743	188	768066	40.00	ppb	0.00
83) Chrysene-d12	12.445	240	792351	40.00	ppb	0.00
92) Perylene-d12	14.486	264	720620	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	213475	40.00	ppb	0.00
104) Phenanthrene-d10a	8.743	188	768066	40.00	ppb	0.00
106) Chrysene-d12a	12.445	240	792351	40.00	ppb	0.00
108) Acenaphthene-d10a	6.954	164	462192	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.509	112	238922	32.75	ppb	0.00
Spiked Amount 50.000			Recovery =	65.50%		
8) Phenol-d5	3.262	99	292023	31.78	ppb	0.00
Spiked Amount 50.000			Recovery =	63.56%		
25) Nitrobenzene-d5	4.128	82	262821	35.39	ppb	0.00
Spiked Amount 50.000			Recovery =	70.78%		
51) 2-Fluorobiphenyl	6.168	172	475332	32.44	ppb	0.00
Spiked Amount 50.000			Recovery =	64.88%		
73) 2,4,6-Tribromophenol	7.910	330	74208	39.54	ppb	0.00
Spiked Amount 50.000			Recovery =	79.08%		
86) Terphenyl-d14	10.928	244	566948	35.58	ppb	0.00
Spiked Amount 50.000			Recovery =	71.16%		
Target Compounds						Qvalue
38) Naphthalene	4.924	128	9588	0.41	ppb	94
66) Fluorene	7.611	166	8674	0.58	ppb	98
77) Phenanthrene	8.770	178	20184	0.90	ppb	92

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

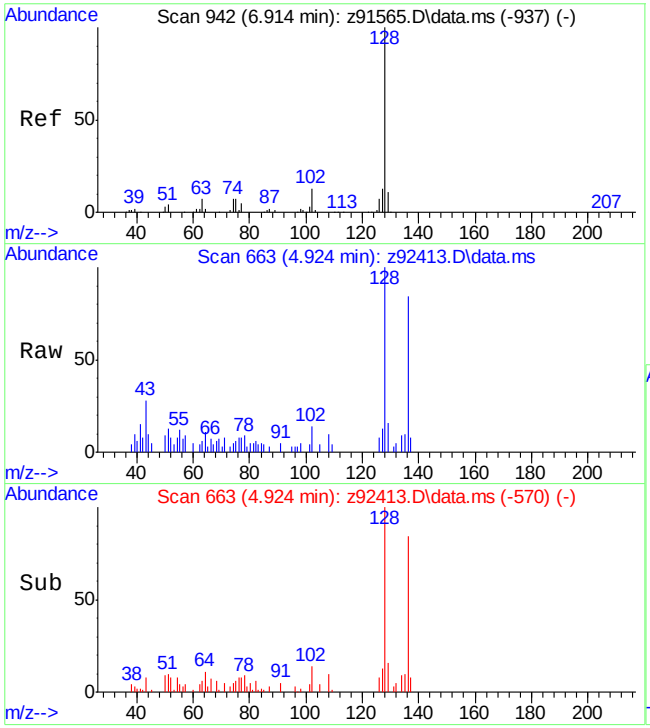
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92413.D
Acq On : 11 Jun 2014 7:51 pm
Operator : harpreek
Sample : jb68173-5
Misc : op75285,ez4593,32.6,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 12 11:31:31 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 Jun 11 22:23:22 2014
Response via : Initial Calibration



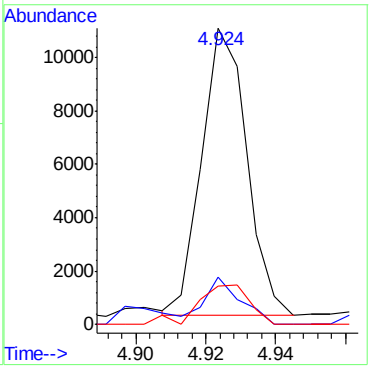
MZ4569.M Thu Jun 12 11:31:37 2014 RTE Page: 2

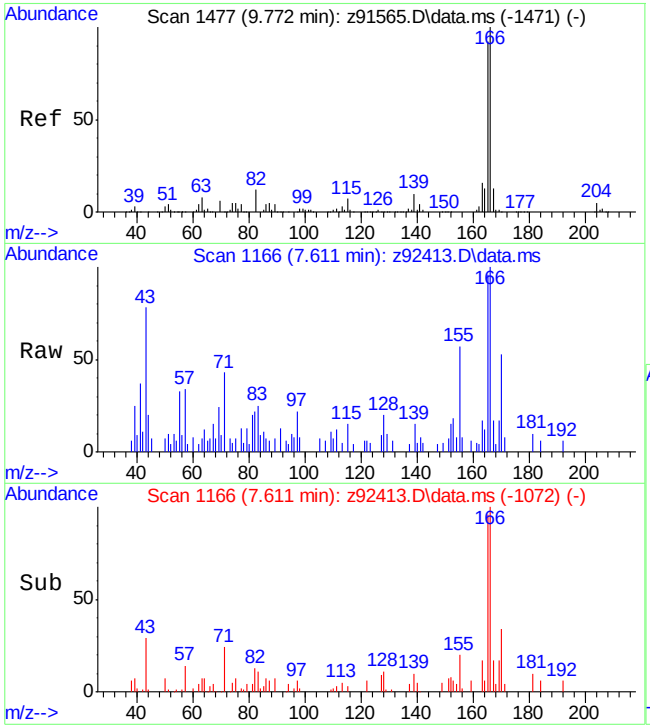


#38
Naphthalene
Concen: 0.41 ppb
RT: 4.924 min Scan# 663
Delta R.T. -0.005 min
Lab File: z92413.D
Acq: 11 Jun 2014 7:51 pm

Tgt Ion:128 Resp: 9588

Ion	Ratio	Lower	Upper
128	100		
129	14.6	0.0	40.5
127	11.9	0.0	42.7

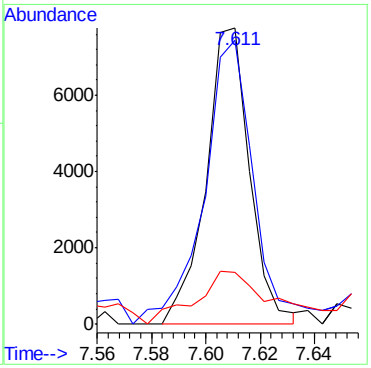


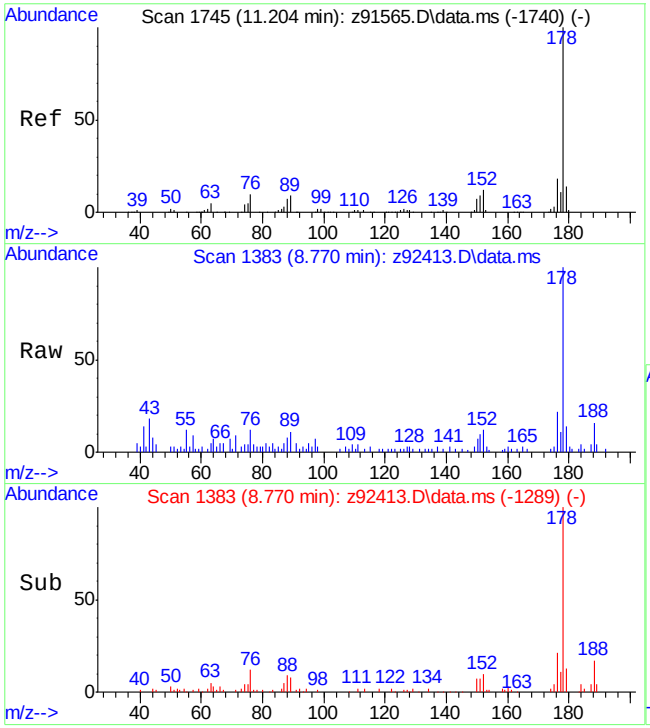


#66
Fluorene
Concen: 0.58 ppb
RT: 7.611 min Scan# 1166
Delta R.T. 0.000 min
Lab File: z92413.D
Acq: 11 Jun 2014 7:51 pm

Tgt Ion:166 Resp: 8674

Ion	Ratio	Lower	Upper
166	100		
165	91.7	60.3	120.3
167	11.5	0.0	42.9

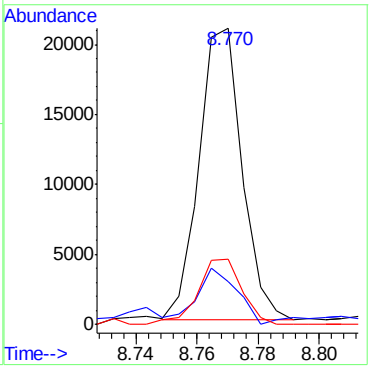




#77
Phenanthrene
Concen: 0.90 ppb
RT: 8.770 min Scan# 1383
Delta R.T. 0.000 min
Lab File: z92413.D
Acq: 11 Jun 2014 7:51 pm

Tgt Ion:178 Resp: 20184

Ion	Ratio	Lower	Upper
178	100		
179	12.2	0.0	45.1
176	21.8	0.0	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92414.D
Acq On : 11 Jun 2014 8:17 pm
Operator : harpreek
Sample : jb68173-6
Misc : op75285,ez4593,30.4,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 13 17:29:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 11 22:23:22 2014
Response via : Initial Calibration

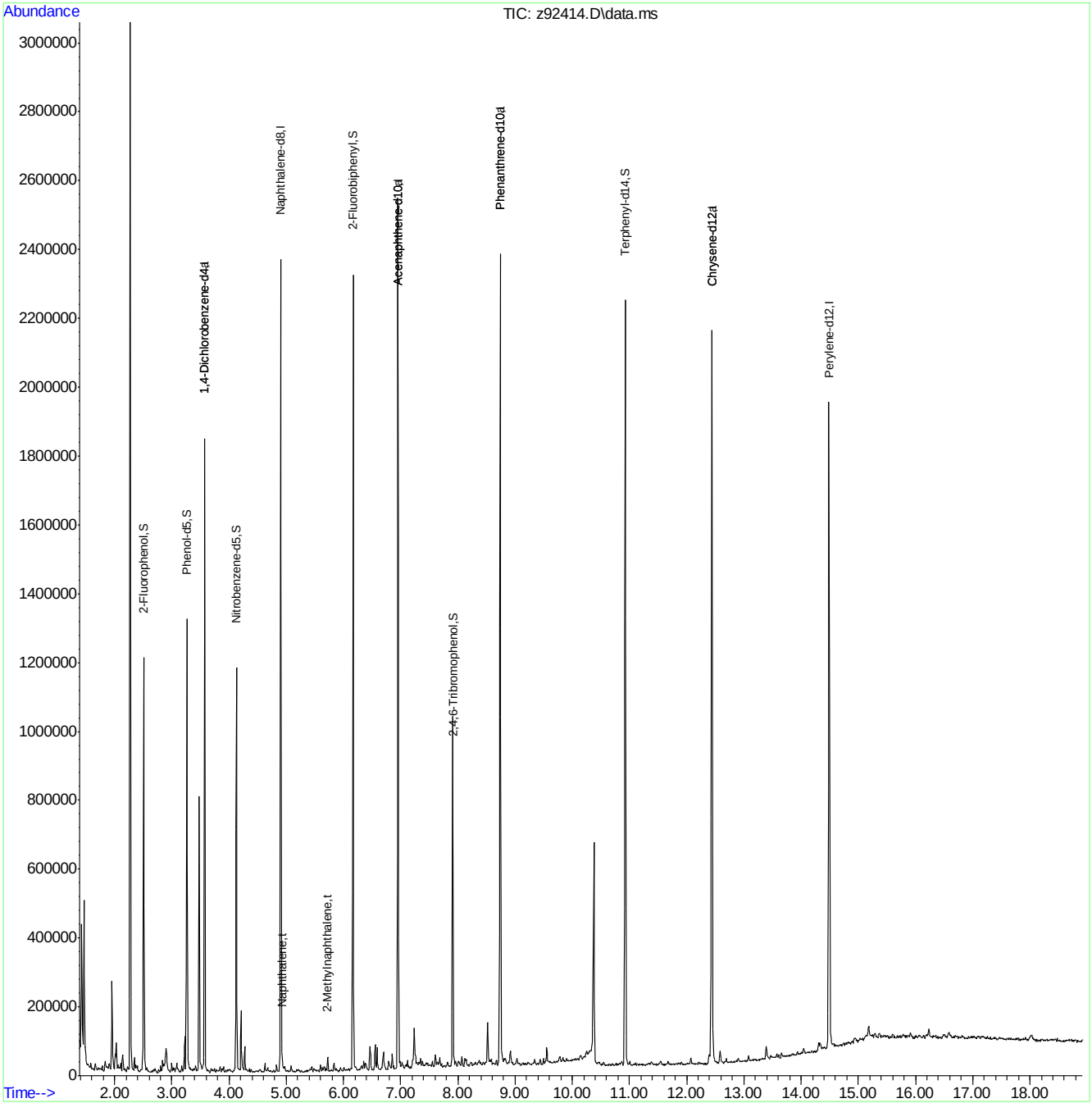
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	231024	40.00	ppb	0.00
24) Naphthalene-d8	4.902	136	934747	40.00	ppb	0.00
47) Acenaphthene-d10	6.954	164	526928	40.00	ppb	0.00
69) Phenanthrene-d10	8.738	188	893757	40.00	ppb	0.00
83) Chrysene-d12	12.446	240	941869	40.00	ppb	0.00
92) Perylene-d12	14.492	264	828678	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	231024	40.00	ppb	0.00
104) Phenanthrene-d10a	8.738	188	893757	40.00	ppb	0.00
106) Chrysene-d12a	12.446	240	941869	40.00	ppb	0.00
108) Acenaphthene-d10a	6.954	164	526928	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.509	112	300755	38.10	ppb	0.00
Spiked Amount 50.000			Recovery =	76.20%		
8) Phenol-d5	3.262	99	381105	38.33	ppb	0.00
Spiked Amount 50.000			Recovery =	76.66%		
25) Nitrobenzene-d5	4.128	82	328300	39.86	ppb	0.00
Spiked Amount 50.000			Recovery =	79.72%		
51) 2-Fluorobiphenyl	6.168	172	622776	37.28	ppb	0.00
Spiked Amount 50.000			Recovery =	74.56%		
73) 2,4,6-Tribromophenol	7.910	330	108477	49.67	ppb	0.00
Spiked Amount 50.000			Recovery =	99.34%		
86) Terphenyl-d14	10.928	244	826869	43.65	ppb	0.00
Spiked Amount 50.000			Recovery =	87.30%		
Target Compounds						Qvalue
38) Naphthalene	4.924	128	13225	0.51	ppb	97
44) 2-Methylnaphthalene	5.725	141	9156	0.65	ppb	94

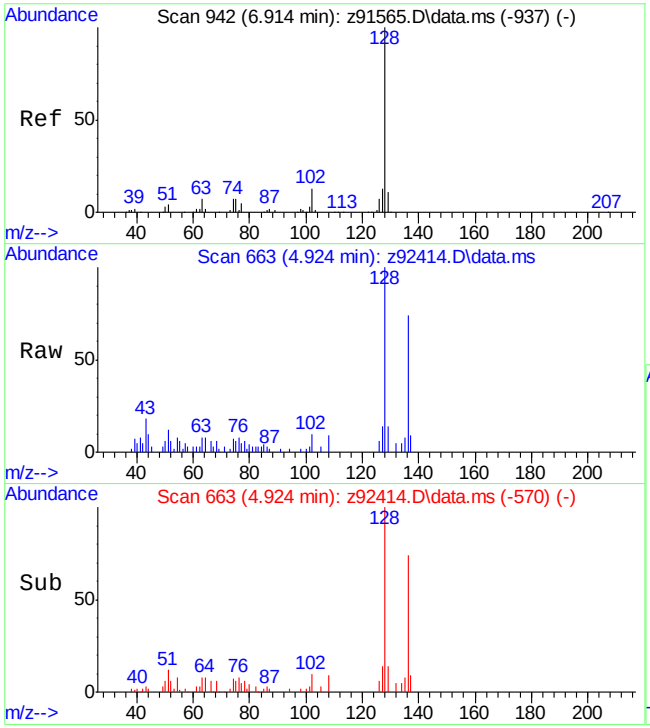
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92414.D
Acq On : 11 Jun 2014 8:17 pm
Operator : harpreek
Sample : jb68173-6
Misc : op75285,ez4593,30.4,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 13 17:29:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 11 22:23:22 2014
Response via : Initial Calibration

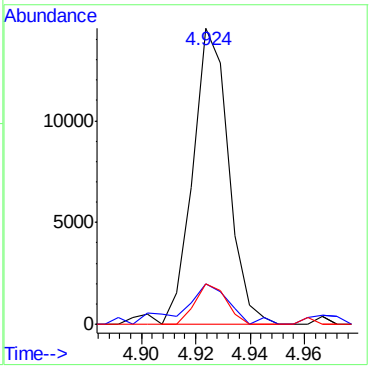


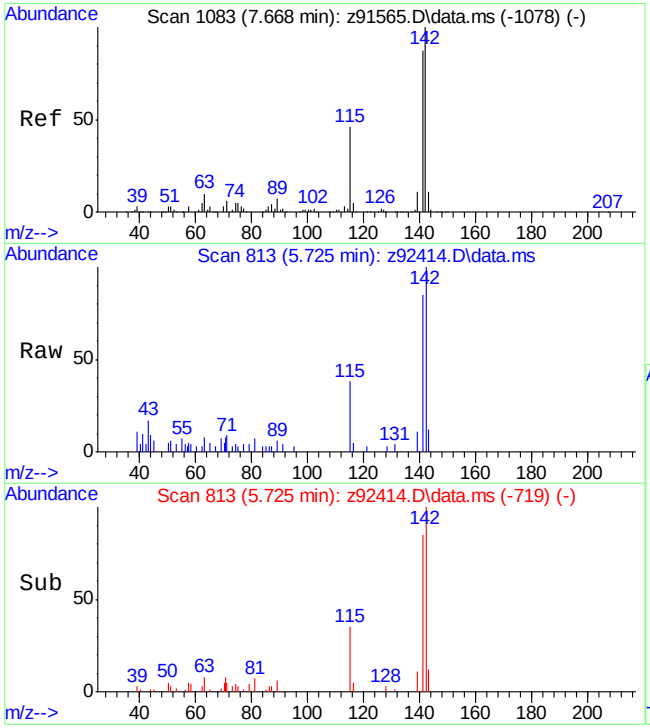


#38
Naphthalene
Concen: 0.51 ppb
RT: 4.924 min Scan# 663
Delta R.T. -0.005 min
Lab File: z92414.D
Acq: 11 Jun 2014 8:17 pm

Tgt Ion:128 Resp: 13225

Ion	Ratio	Lower	Upper
128	100		
129	12.0	0.0	40.5
127	13.8	0.0	42.7

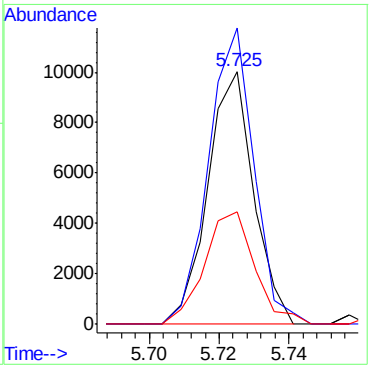




#44
2-Methylnaphthalene
Concen: 0.65 ppb
RT: 5.725 min Scan# 813
Delta R.T. 0.000 min
Lab File: z92414.D
Acq: 11 Jun 2014 8:17 pm

Tgt Ion:141 Resp: 9156

Ion	Ratio	Lower	Upper
141	100		
142	114.9	91.4	151.4
115	42.2	8.5	68.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92415.D
Acq On : 11 Jun 2014 8:43 pm
Operator : harpreek
Sample : jb68173-7
Misc : op75285,ez4593,34.6,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 12 11:34:15 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

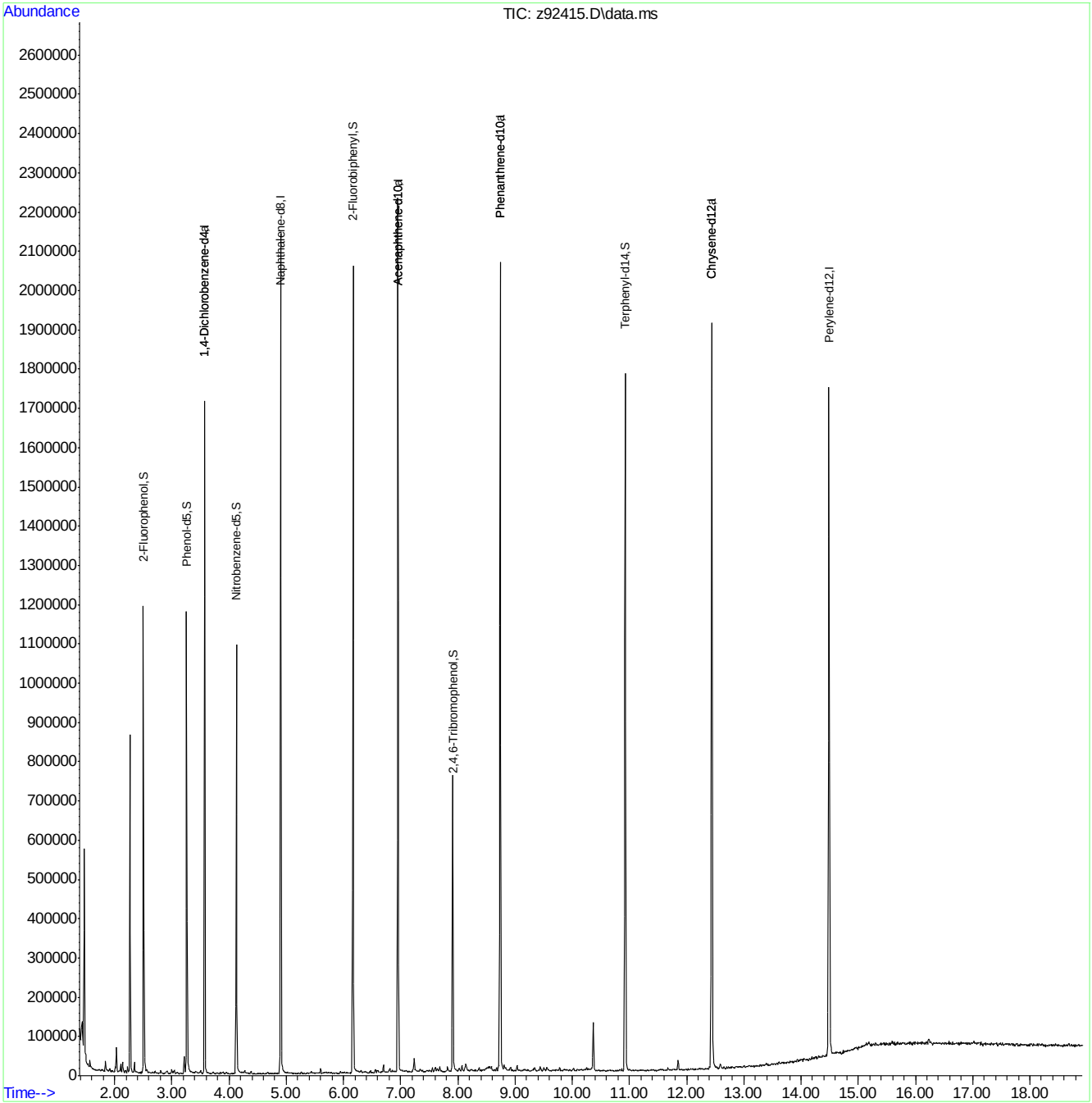
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	212802	40.00	ppb	0.00
24) Naphthalene-d8	4.903	136	840815	40.00	ppb	0.00
47) Acenaphthene-d10	6.954	164	463035	40.00	ppb	0.00
69) Phenanthrene-d10	8.738	188	782139	40.00	ppb	0.00
83) Chrysene-d12	12.441	240	805925	40.00	ppb	0.00
92) Perylene-d12	14.487	264	738577	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	212802	40.00	ppb	0.00
104) Phenanthrene-d10a	8.738	188	782139	40.00	ppb	0.00
106) Chrysene-d12a	12.441	240	805925	40.00	ppb	0.00
108) Acenaphthene-d10a	6.954	164	463035	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.504	112	277307	38.13	ppb	0.00
Spiked Amount 50.000			Recovery = 76.26%			
8) Phenol-d5	3.257	99	347818	37.98	ppb	0.00
Spiked Amount 50.000			Recovery = 75.96%			
25) Nitrobenzene-d5	4.128	82	308646	41.66	ppb	0.00
Spiked Amount 50.000			Recovery = 83.32%			
51) 2-Fluorobiphenyl	6.169	172	566848	38.62	ppb	0.00
Spiked Amount 50.000			Recovery = 77.24%			
73) 2,4,6-Tribromophenol	7.910	330	83886	43.89	ppb	0.00
Spiked Amount 50.000			Recovery = 87.78%			
86) Terphenyl-d14	10.923	244	673683	41.56	ppb	0.00
Spiked Amount 50.000			Recovery = 83.12%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92415.D
Acq On : 11 Jun 2014 8:43 pm
Operator : harpreek
Sample : jb68173-7
Misc : op75285,ez4593,34.6,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 12 11:34:15 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 Jun 11 22:23:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92416.D
Acq On : 11 Jun 2014 9:09 pm
Operator : harpreek
Sample : jb68173-8
Misc : op75285,ez4593,31.8,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 12 11:35:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 11 22:23:22 2014
Response via : Initial Calibration

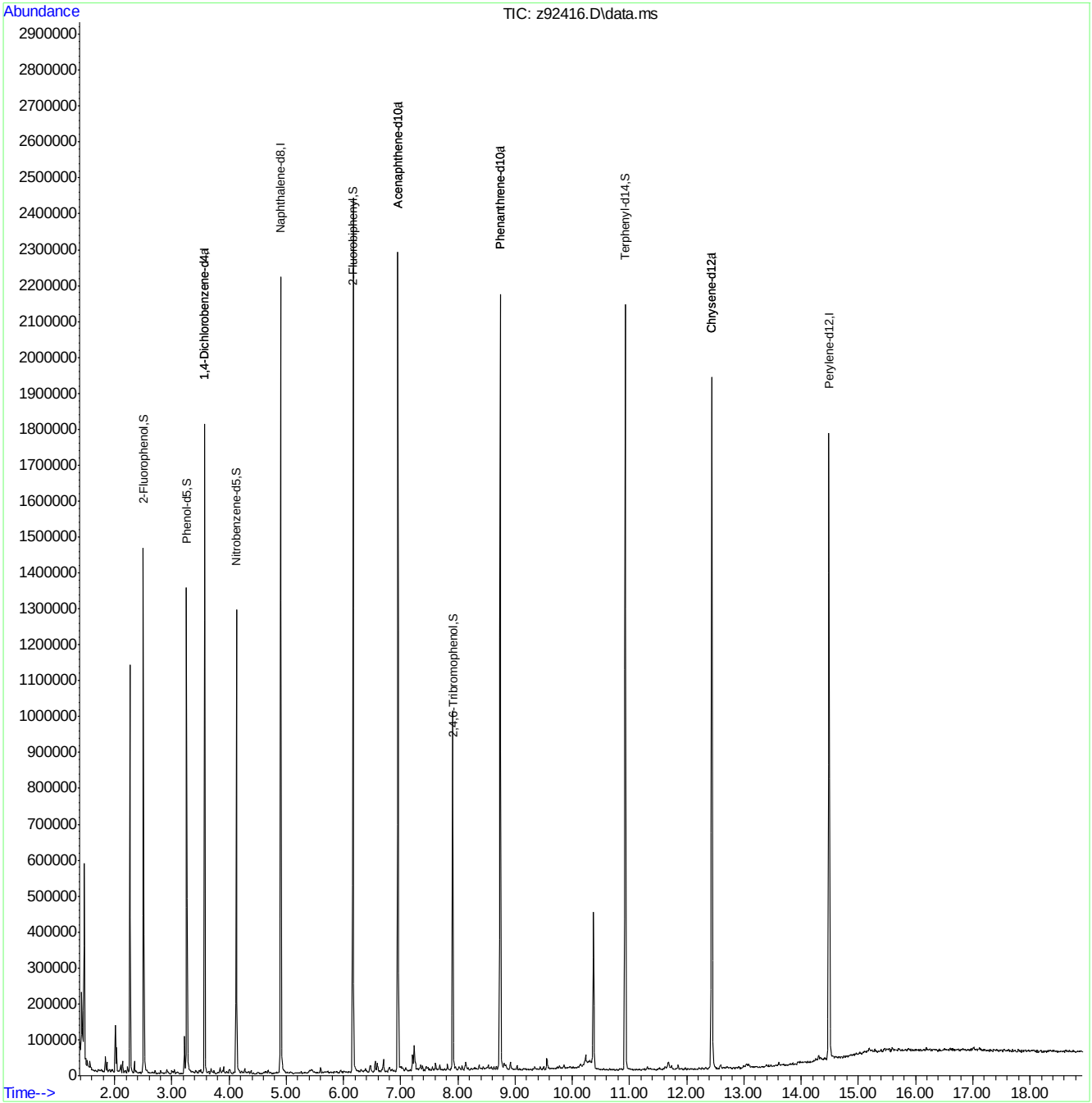
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	221272	40.00	ppb	0.00
24) Naphthalene-d8	4.902	136	873902	40.00	ppb	0.00
47) Acenaphthene-d10	6.954	164	480938	40.00	ppb	0.00
69) Phenanthrene-d10	8.738	188	801080	40.00	ppb	0.00
83) Chrysene-d12	12.440	240	825769	40.00	ppb	0.00
92) Perylene-d12	14.486	264	765228	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	221272	40.00	ppb	0.00
104) Phenanthrene-d10a	8.738	188	801080	40.00	ppb	0.00
106) Chrysene-d12a	12.440	240	825769	40.00	ppb	0.00
108) Acenaphthene-d10a	6.954	164	480938	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.504	112	333123	44.06	ppb	0.00
Spiked Amount 50.000			Recovery =	88.12%		
8) Phenol-d5	3.257	99	412912	43.36	ppb	0.00
Spiked Amount 50.000			Recovery =	86.72%		
25) Nitrobenzene-d5	4.128	82	364322	47.31	ppb	0.00
Spiked Amount 50.000			Recovery =	94.62%		
51) 2-Fluorobiphenyl	6.168	172	659107	43.23	ppb	0.00
Spiked Amount 50.000			Recovery =	86.46%		
73) 2,4,6-Tribromophenol	7.910	330	105177	53.73	ppb	0.00
Spiked Amount 50.000			Recovery =	107.46%		
86) Terphenyl-d14	10.928	244	810640	48.81	ppb	0.00
Spiked Amount 50.000			Recovery =	97.62%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92416.D
Acq On : 11 Jun 2014 9:09 pm
Operator : harpreek
Sample : jb68173-8
Misc : op75285,ez4593,31.8,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 12 11:35:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 11 22:23:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92505.D
Acq On : 13 Jun 2014 4:05 pm
Operator : olgaa
Sample : jb68173-9
Misc : op75285,ez4598,30.5
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 17:01:08 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 Jun 10 14:36:56 2014
Response via : Initial Calibration

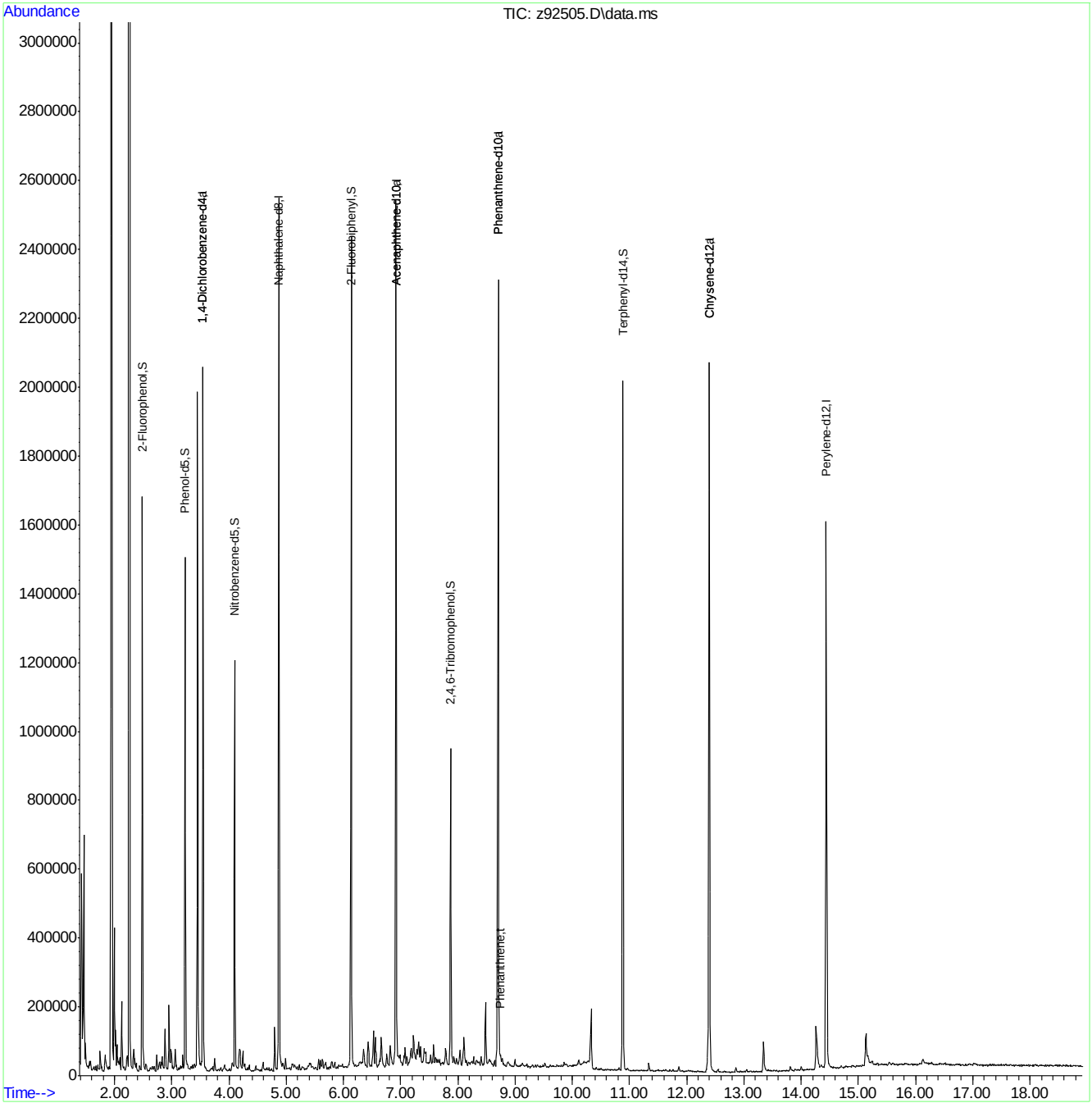
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.540	152	267437	40.00	ppb	-0.09
24) Naphthalene-d8	4.870	136	1031450	40.00	ppb	-0.09
47) Acenaphthene-d10	6.916	164	544739	40.00	ppb	-0.10
69) Phenanthrene-d10	8.706	188	868643	40.00	ppb	-0.10
83) Chrysene-d12	12.397	240	826714	40.00	ppb	-0.13
92) Perylene-d12	14.438	264	715410	40.00	ppb	-0.13
102) 1,4-Dichlorobenzene-d4a	3.540	152	267437	40.00	ppb	-0.09
104) Phenanthrene-d10a	8.706	188	868643	40.00	ppb	-0.10
106) Chrysene-d12a	12.397	240	826714	40.00	ppb	-0.13
108) Acenaphthene-d10a	6.916	164	544739	40.00	ppb	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	2.482	112	351309	38.44	ppb	-0.07
Spiked Amount 50.000			Recovery = 76.88%			
8) Phenol-d5	3.230	99	429805	37.34	ppb	-0.08
Spiked Amount 50.000			Recovery = 74.68%			
25) Nitrobenzene-d5	4.095	82	336750	37.05	ppb	-0.09
Spiked Amount 50.000			Recovery = 74.10%			
51) 2-Fluorobiphenyl	6.136	172	686266	39.74	ppb	-0.09
Spiked Amount 50.000			Recovery = 79.48%			
73) 2,4,6-Tribromophenol	7.872	330	101399	47.77	ppb	-0.10
Spiked Amount 50.000			Recovery = 95.54%			
86) Terphenyl-d14	10.885	244	734873	44.20	ppb	-0.11
Spiked Amount 50.000			Recovery = 88.40%			
Target Compounds						Qvalue
77) Phenanthrene	8.733	178	11468	0.45	ppb	99

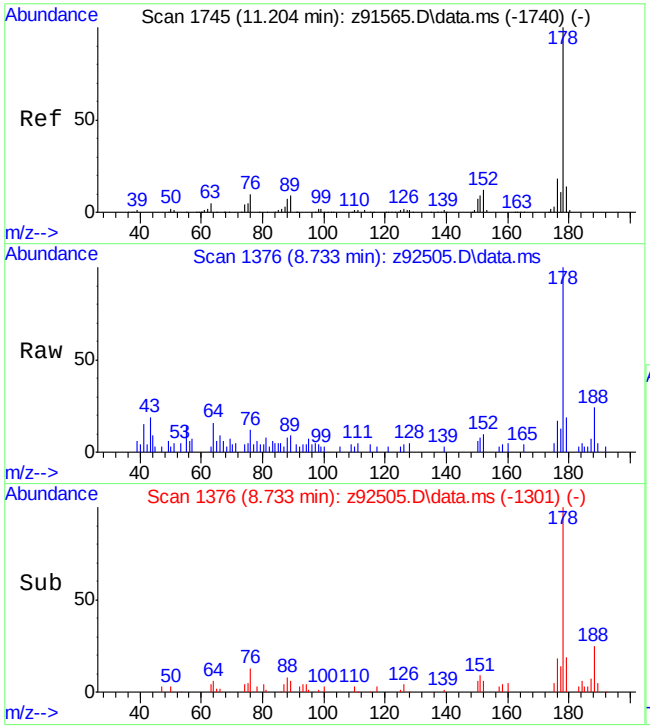
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92505.D
Acq On : 13 Jun 2014 4:05 pm
Operator : olgaa
Sample : jb68173-9
Misc : op75285,ez4598,30.5
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 17:01:08 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 Jun 10 14:36:56 2014
Response via : Initial Calibration

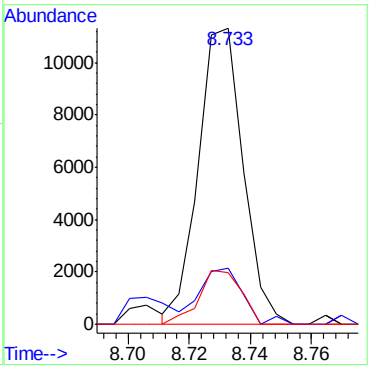




#77
Phenanthrene
Concen: 0.45 ppb
RT: 8.733 min Scan# 1376
Delta R.T. -0.102 min
Lab File: z92505.D
Acq: 13 Jun 2014 4:05 pm

Tgt Ion:178 Resp: 11468

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.1
176	17.8	0.0	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92506.D
Acq On : 13 Jun 2014 4:31 pm
Operator : olgaa
Sample : jb68173-10
Misc : op75285,ez4598,30.5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 16:59:59 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 Jun 10 14:36:56 2014
Response via : Initial Calibration

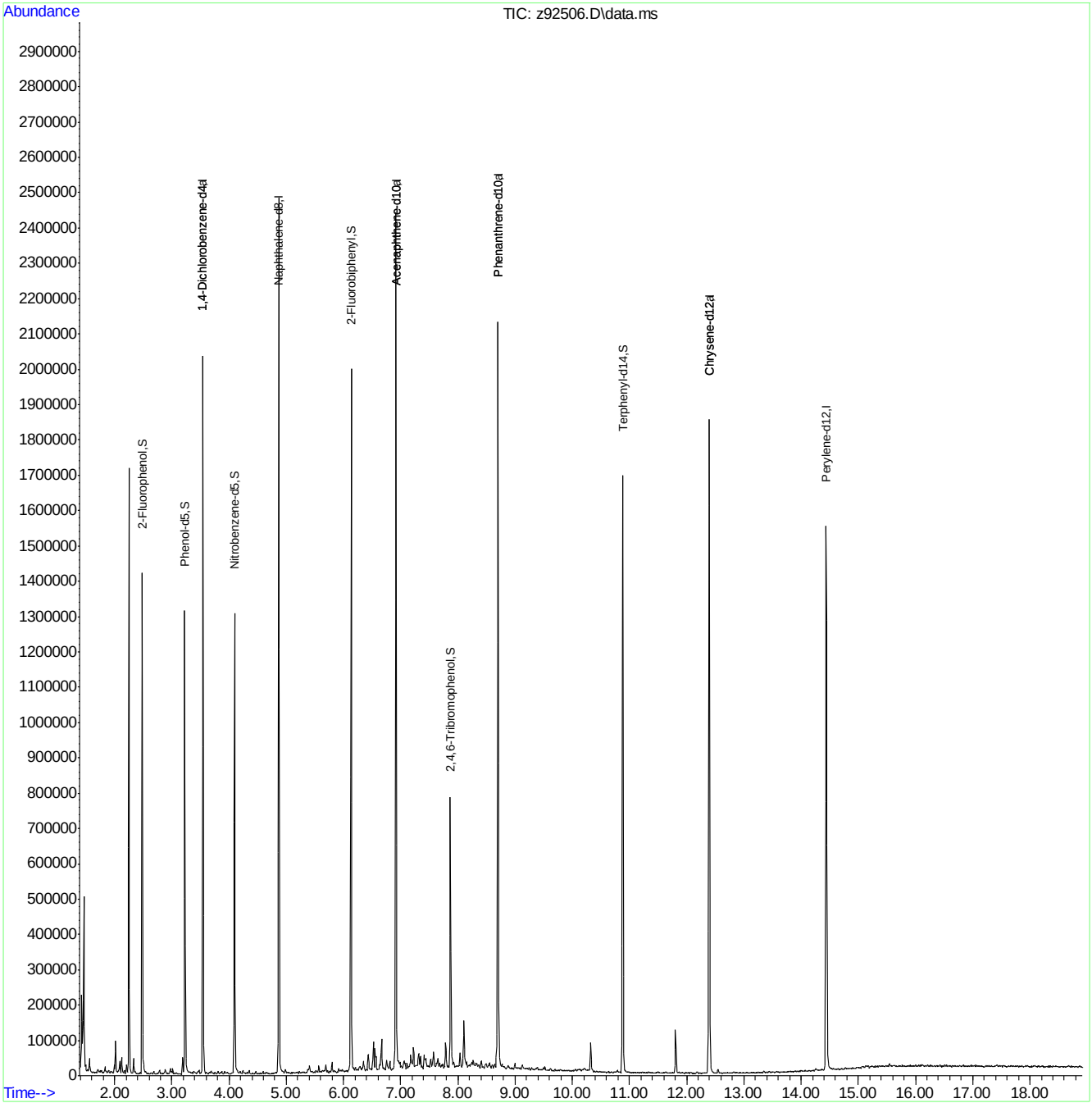
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.540	152	255405	40.00	ppb	-0.09
24) Naphthalene-d8	4.870	136	998689	40.00	ppb	-0.09
47) Acenaphthene-d10	6.916	164	512230	40.00	ppb	-0.10
69) Phenanthrene-d10	8.701	188	811316	40.00	ppb	-0.11
83) Chrysene-d12	12.397	240	781530	40.00	ppb	-0.13
92) Perylene-d12	14.438	264	685072	40.00	ppb	-0.13
102) 1,4-Dichlorobenzene-d4a	3.540	152	255405	40.00	ppb	-0.09
104) Phenanthrene-d10a	8.701	188	811316	40.00	ppb	-0.11
106) Chrysene-d12a	12.397	240	781530	40.00	ppb	-0.13
108) Acenaphthene-d10a	6.916	164	512230	40.00	ppb	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	2.482	112	318228	36.46	ppb	-0.07
Spiked Amount 50.000			Recovery = 72.92%			
8) Phenol-d5	3.225	99	385210	35.04	ppb	-0.09
Spiked Amount 50.000			Recovery = 70.08%			
25) Nitrobenzene-d5	4.096	82	365930	41.58	ppb	-0.09
Spiked Amount 50.000			Recovery = 83.16%			
51) 2-Fluorobiphenyl	6.136	172	611798	37.68	ppb	-0.09
Spiked Amount 50.000			Recovery = 75.36%			
73) 2,4,6-Tribromophenol	7.873	330	86254	43.51	ppb	-0.10
Spiked Amount 50.000			Recovery = 87.02%			
86) Terphenyl-d14	10.886	244	643807	40.96	ppb	-0.11
Spiked Amount 50.000			Recovery = 81.92%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92506.D
Acq On : 13 Jun 2014 4:31 pm
Operator : olgaa
Sample : jb68173-10
Misc : op75285,ez4598,30.5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 16:59:59 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 Jun 10 14:36:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61995.D
Acq On : 12 Jun 2014 6:25 pm
Operator : harpreek
Sample : jb68173-11
Misc : op75285,e3e2658,30.7,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 14:38:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

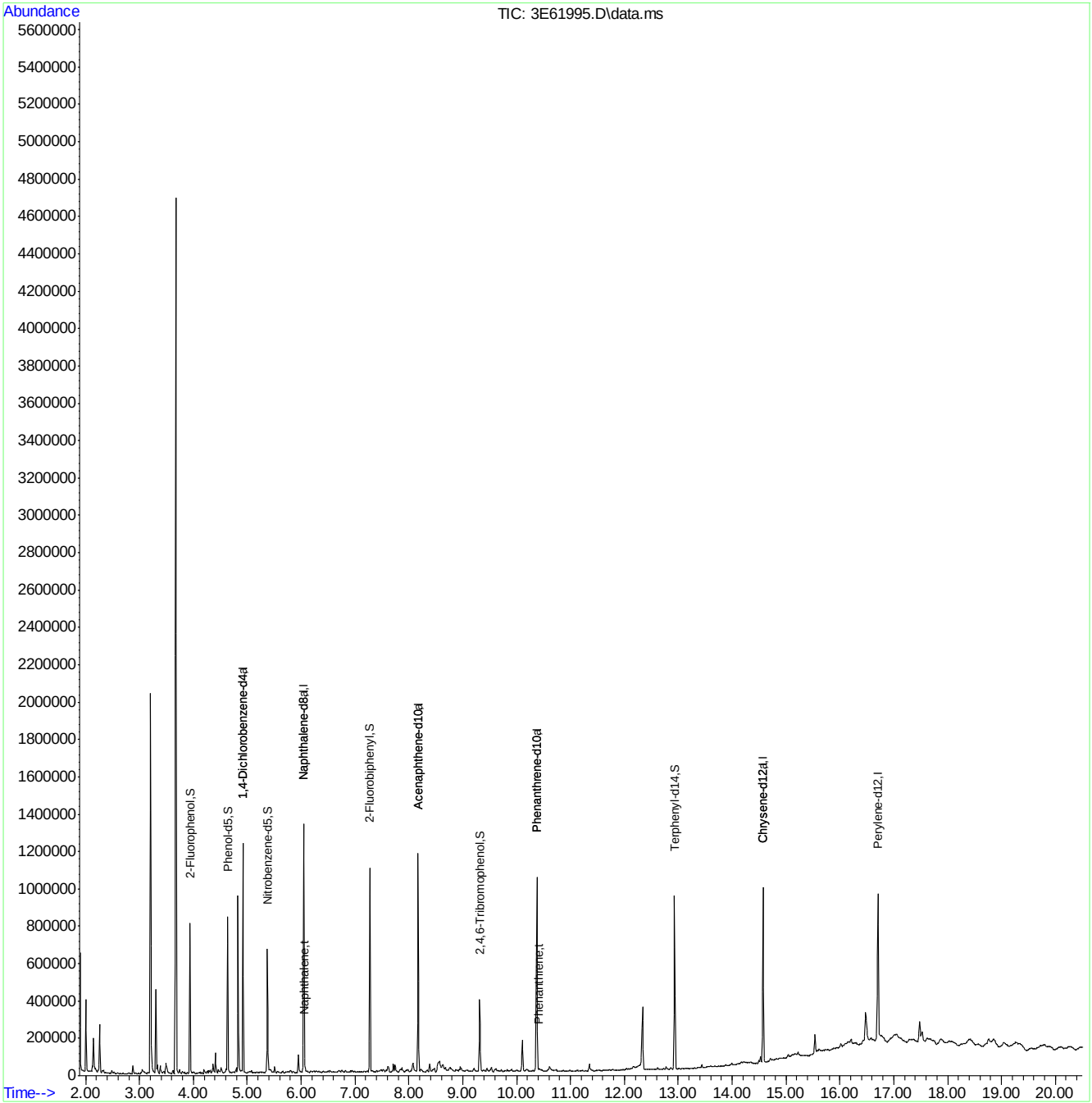
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.919	152	143110	40.00	ppb	-0.05
24) Naphthalene-d8	6.048	136	561584	40.00	ppb	-0.06
47) Acenaphthene-d10	8.171	164	292752	40.00	ppb	-0.07
69) Phenanthrene-d10	10.375	188	439344	40.00	ppb	-0.06
83) Chrysene-d12	14.574	240	361080	40.00	ppb	-0.07
92) Perylene-d12	16.708	264	307946	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.919	152	143110	40.00	ppb	-0.05
104) Acenaphthene-d10a	8.171	164	292752	40.00	ppb	-0.07
106) Phenanthrene-d10a	10.375	188	439344	40.00	ppb	-0.06
108) Chrysene-d12a	14.574	240	361080	40.00	ppb	-0.07
110) Naphthalene-d8a	6.048	136	561584	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.935	112	181124	37.45	ppb	-0.04
Spiked Amount 50.000			Recovery = 74.90%			
8) Phenol-d5	4.636	99	224589	37.48	ppb	-0.04
Spiked Amount 50.000			Recovery = 74.96%			
25) Nitrobenzene-d5	5.374	82	173233	35.60	ppb	-0.05
Spiked Amount 50.000			Recovery = 71.20%			
51) 2-Fluorobiphenyl	7.273	172	340781	37.94	ppb	-0.06
Spiked Amount 50.000			Recovery = 75.88%			
73) 2,4,6-Tribromophenol	9.316	330	36995	48.11	ppb	-0.07
Spiked Amount 50.000			Recovery = 96.22%			
85) Terphenyl-d14	12.932	244	325552	42.64	ppb	-0.06
Spiked Amount 50.000			Recovery = 85.28%			
Target Compounds						Qvalue
38) Naphthalene	6.069	128	12053	0.79	ppb	99
77) Phenanthrene	10.402	178	4929	0.40	ppb	94

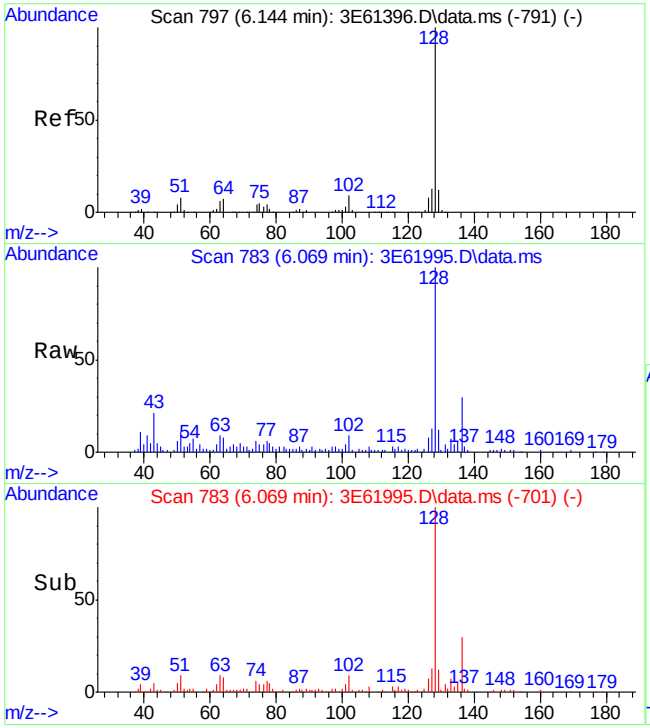
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61995.D
Acq On : 12 Jun 2014 6:25 pm
Operator : harpreek
Sample : jb68173-11
Misc : op75285,e3e2658,30.7,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 14:38:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

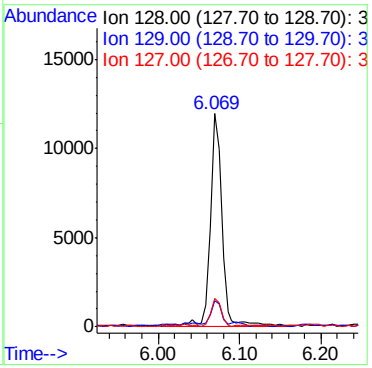


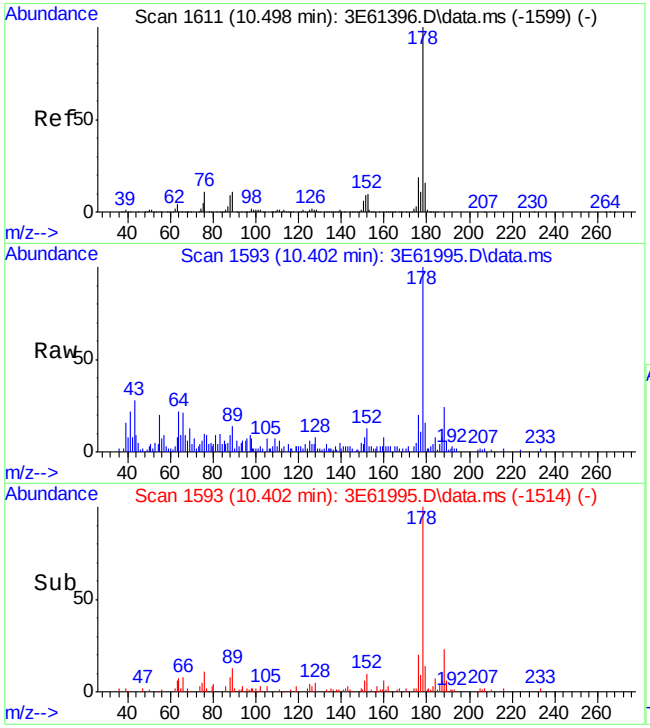


#38
Naphthalene
Concen: 0.79 ppb
RT: 6.069 min Scan# 783
Delta R.T. -0.059 min
Lab File: 3E61995.D
Acq: 12 Jun 2014 6:25 pm

Tgt Ion:128 Resp: 12053

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	41.9
127	12.7	0.0	43.4

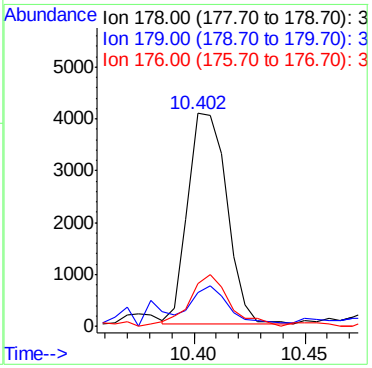




#77
Phenanthrene
Concen: 0.40 ppb
RT: 10.402 min Scan# 1593
Delta R.T. -0.075 min
Lab File: 3E61995.D
Acq: 12 Jun 2014 6:25 pm

Tgt Ion:178 Resp: 4929

Ion	Ratio	Lower	Upper
178	100		
179	11.9	0.0	46.3
176	18.6	0.0	49.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61996.D
Acq On : 12 Jun 2014 6:52 pm
Operator : harpreek
Sample : jb68173-12
Misc : op75285,e3e2658,34.3,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 13 16:06:17 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

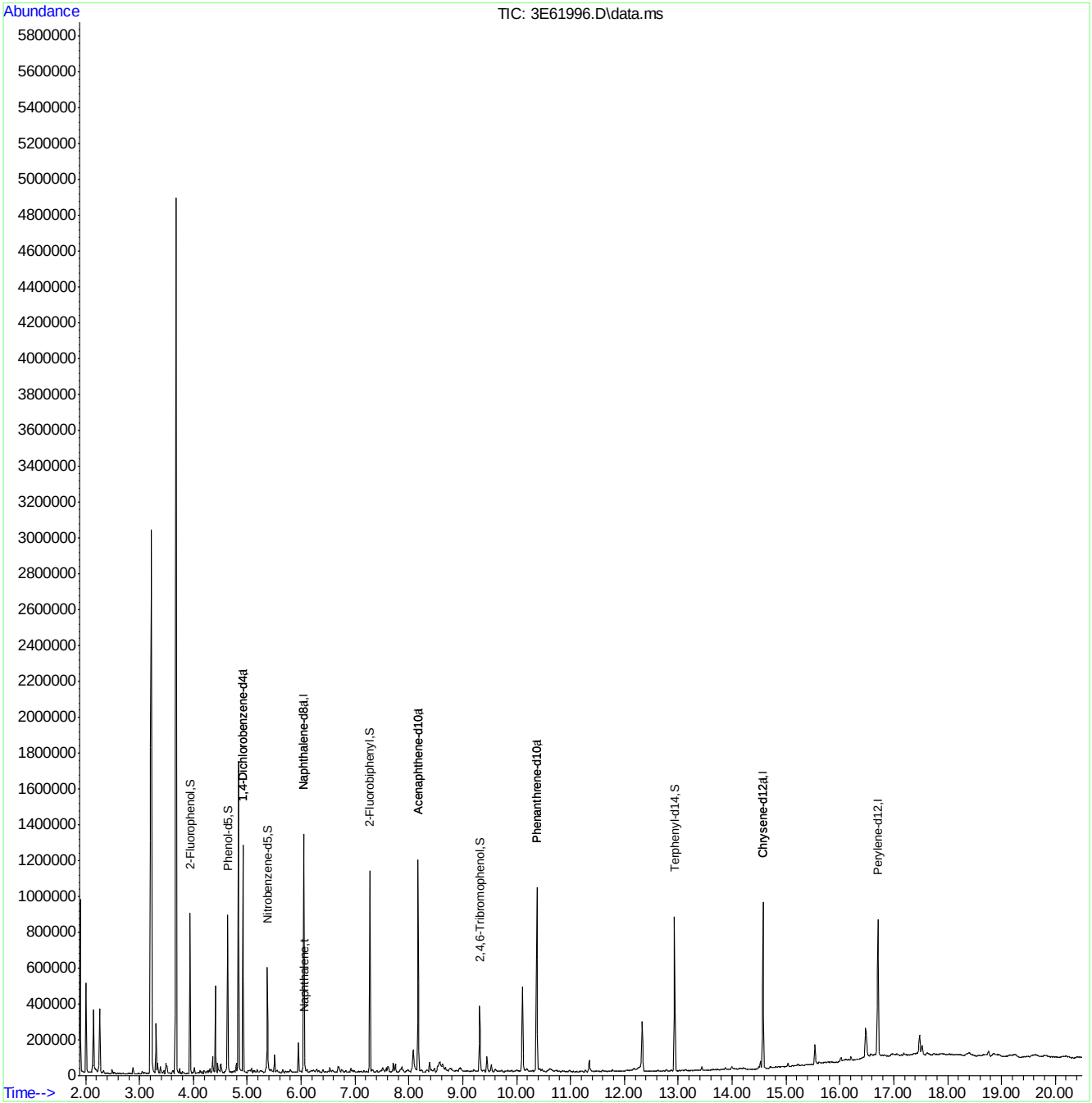
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.919	152	149364	40.00	ppb	-0.05
24) Naphthalene-d8	6.048	136	569693	40.00	ppb	-0.06
47) Acenaphthene-d10	8.171	164	297240	40.00	ppb	-0.07
69) Phenanthrene-d10	10.375	188	430647	40.00	ppb	-0.06
83) Chrysene-d12	14.574	240	356743	40.00	ppb	-0.07
92) Perylene-d12	16.708	264	309548	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.919	152	149364	40.00	ppb	-0.05
104) Acenaphthene-d10a	8.171	164	297240	40.00	ppb	-0.07
106) Phenanthrene-d10a	10.375	188	430647	40.00	ppb	-0.06
108) Chrysene-d12a	14.574	240	356743	40.00	ppb	-0.07
110) Naphthalene-d8a	6.048	136	569693	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.935	112	187721	37.19	ppb	-0.04
Spiked Amount 50.000			Recovery = 74.38%			
8) Phenol-d5	4.636	99	230569	36.87	ppb	-0.04
Spiked Amount 50.000			Recovery = 73.74%			
25) Nitrobenzene-d5	5.374	82	152421	30.88	ppb	-0.05
Spiked Amount 50.000			Recovery = 61.76%			
51) 2-Fluorobiphenyl	7.273	172	350135	38.39	ppb	-0.06
Spiked Amount 50.000			Recovery = 76.78%			
73) 2,4,6-Tribromophenol	9.316	330	35269	46.79	ppb	-0.07
Spiked Amount 50.000			Recovery = 93.58%			
85) Terphenyl-d14	12.932	244	304515	40.37	ppb	-0.06
Spiked Amount 50.000			Recovery = 80.74%			
Target Compounds						Qvalue
38) Naphthalene	6.069	128	10842	0.70	ppb	98

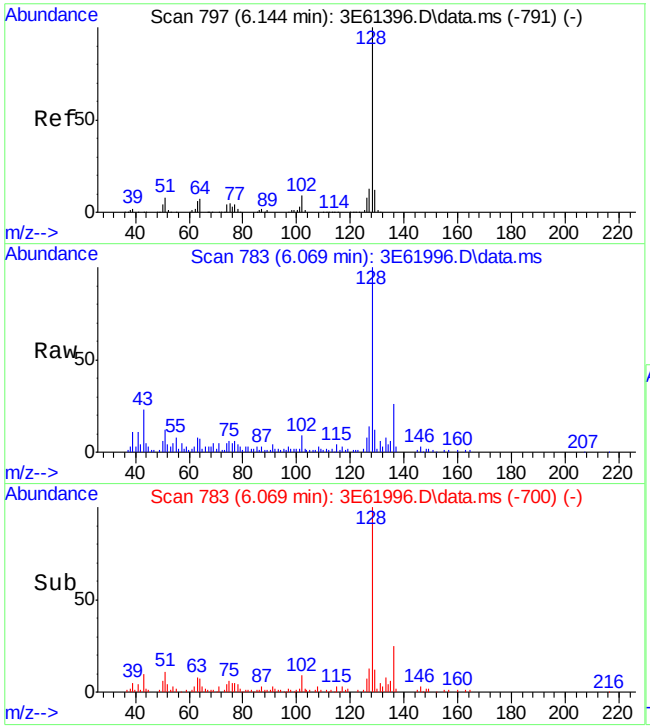
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61996.D
Acq On : 12 Jun 2014 6:52 pm
Operator : harpreek
Sample : jb68173-12
Misc : op75285,e3e2658,34.3,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 13 16:06:17 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

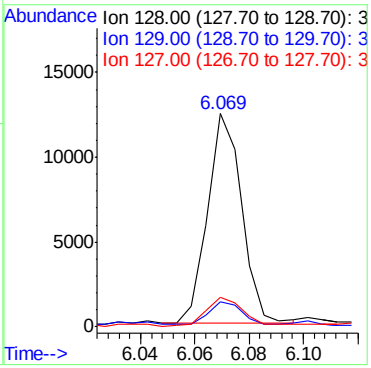




#38
Naphthalene
Concen: 0.70 ppb
RT: 6.069 min Scan# 783
Delta R.T. -0.059 min
Lab File: 3E61996.D
Acq: 12 Jun 2014 6:52 pm

Tgt Ion:128 Resp: 10842

Ion	Ratio	Lower	Upper
128	100		
129	10.3	0.0	41.9
127	13.4	0.0	43.4



Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/13/14 15:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61997.D
Acq On : 12 Jun 2014 7:20 pm
Operator : harpreek
Sample : jb68173-13
Misc : op75285,e3e2658,32.2,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 13 14:34:33 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.920	152	66145	40.00	ppb		-0.05
24) Naphthalene-d8	6.048	136	256919	40.00	ppb		-0.06
47) Acenaphthene-d10	8.172	164	125445	40.00	ppb		-0.07
69) Phenanthrene-d10	10.375	188	176823	40.00	ppb		-0.06
83) Chrysene-d12	14.579	240	146387	40.00	ppb		-0.06
92) Perylene-d12	16.708	264	116261	40.00	ppb		-0.07
102) 1,4-Dichlorobenzene-d4a	4.920	152	66145	40.00	ppb		-0.05
104) Acenaphthene-d10a	8.172	164	125445	40.00	ppb		-0.07
106) Phenanthrene-d10a	10.375	188	176823	40.00	ppb		-0.06
108) Chrysene-d12a	14.579	240	146387	40.00	ppb		-0.06
110) Naphthalene-d8a	6.048	136	256919	40.00	ppb		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	3.935	112	53630	23.99	ppb		-0.04
Spiked Amount 50.000			Recovery = 47.98%				
8) Phenol-d5	4.636	99	66294	23.94	ppb		-0.04
Spiked Amount 50.000			Recovery = 47.88%				
25) Nitrobenzene-d5	5.374	82	52912	23.77	ppb		-0.05
Spiked Amount 50.000			Recovery = 47.54%				
51) 2-Fluorobiphenyl	7.278	172	93056	24.18	ppb		-0.06
Spiked Amount 50.000			Recovery = 48.36%				
73) 2,4,6-Tribromophenol	9.316	330	9417	30.43	ppb		-0.07
Spiked Amount 50.000			Recovery = 60.86%				
85) Terphenyl-d14	12.932	244	70265	22.70	ppb		-0.06
Spiked Amount 50.000			Recovery = 45.40%				
Target Compounds							Qvalue
9) Phenol	4.647	94	32465	10.17	ppb		88
21) 3&4-Methylphenol	5.240	108	270628	120.79	ppb		99
38) Naphthalene	6.069	128	133299	19.19	ppb		100
44) 2-Methylnaphthalene	6.829	141	20537	5.08	ppb		95
53) Biphenyl	7.401	154	4744	0.88	ppb		99
59) Acenaphthene	8.220	153	18434	4.99	ppb		97
62) Dibenzofuran	8.460	168	25649	5.21	ppb		96
66) Fluorene	8.958	166	29381	7.22	ppb		93
77) Phenanthrene	10.413	178	166308	33.34	ppb		99
78) Anthracene	10.487	178	50578	10.37	ppb		97
79) Carbazole	10.755	167	16028	2.96	ppb		99
81) Fluoranthene	12.306	202	120666	23.82	ppb		97
84) Pyrene	12.638	202	97608	19.52	ppb		95
88) Benzo[a]anthracene	14.563	228	43723	9.66	ppb		95
90) Chrysene	14.617	228	40343	10.84	ppb		99
94) Benzo[b]fluoranthene	16.178	252	38593	9.83	ppb		90
95) Benzo[k]fluoranthene	16.211	252	15952m	4.52	ppb		
96) Benzo[a]pyrene	16.622	252	27466	8.51	ppb		98
97) Indeno[1,2,3-cd]pyrene	18.403	276	15203m	4.61	ppb		
99) Dibenz[a,h]anthracene	18.441	278	5269	1.66	ppb		87
101) Benzo[g,h,i]perylene	18.890	276	14238	4.46	ppb		76
103) Benzaldehyde	4.583	105	16258	9.20	ppb	#	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61997.D
Acq On : 12 Jun 2014 7:20 pm
Operator : harpreek
Sample : jb68173-13
Misc : op75285,e3e2658,32.2,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 13 14:34:33 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

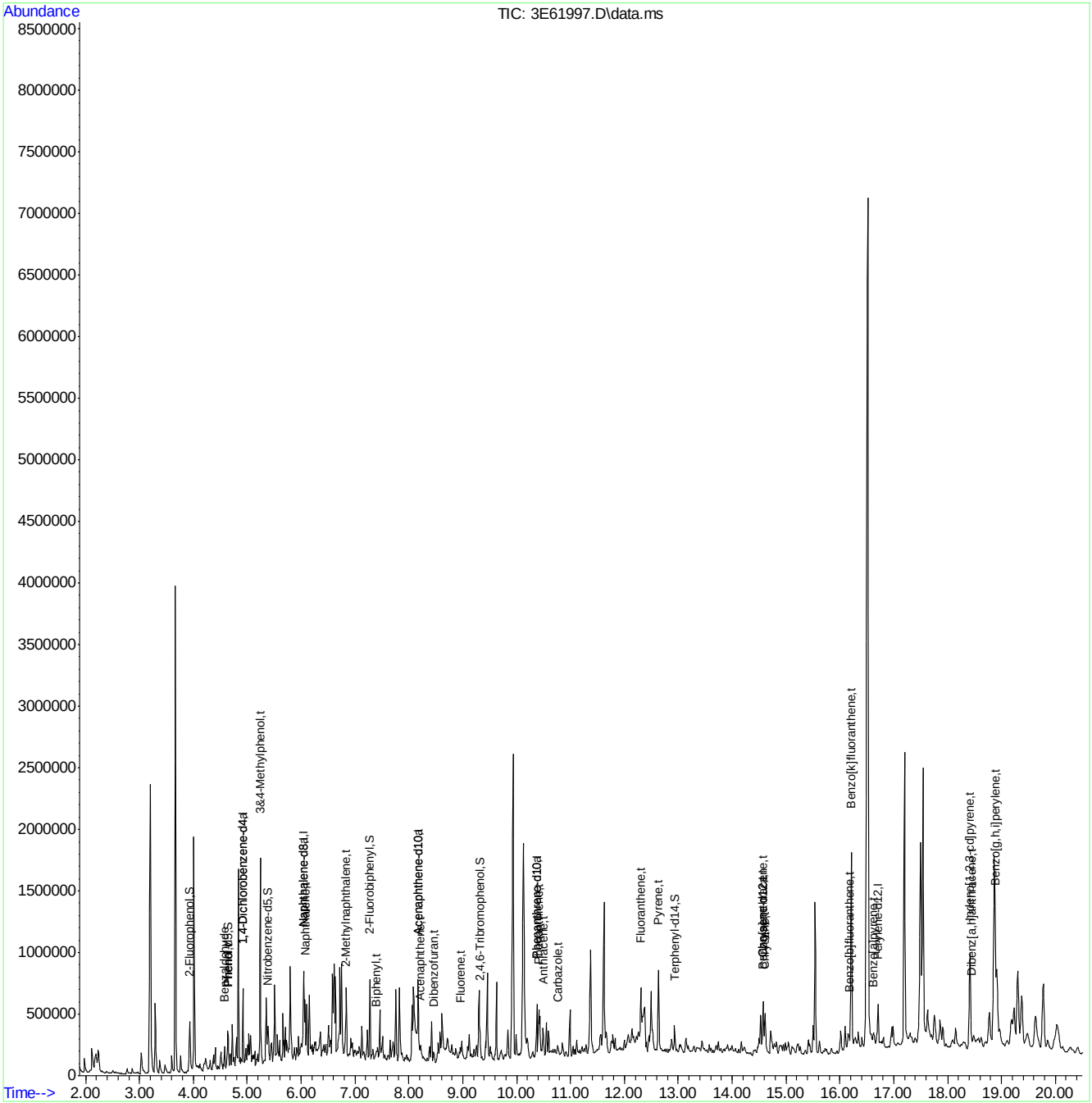
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

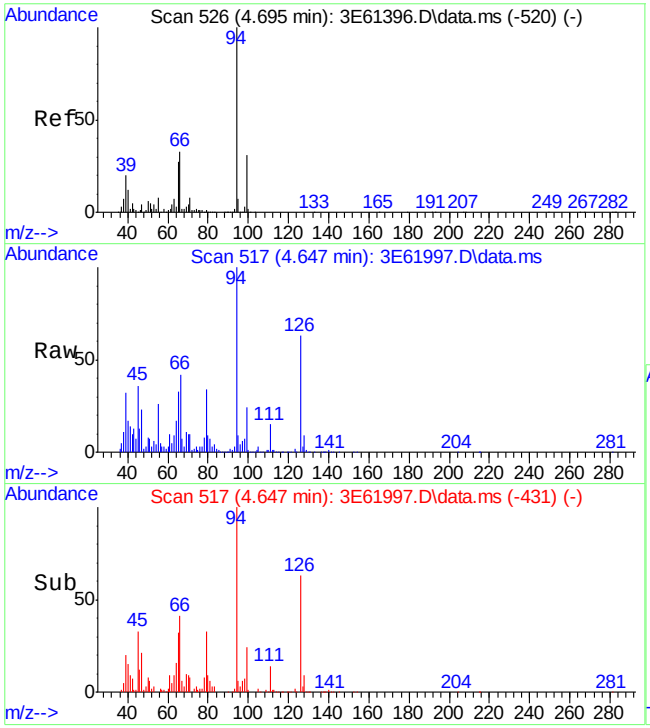
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61997.D
Acq On : 12 Jun 2014 7:20 pm
Operator : harpreek
Sample : jb68173-13
Misc : op75285,e3e2658,32.2,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 13 14:34:33 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

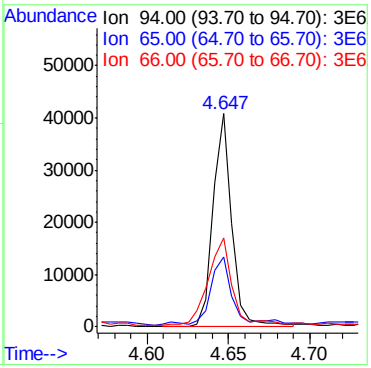


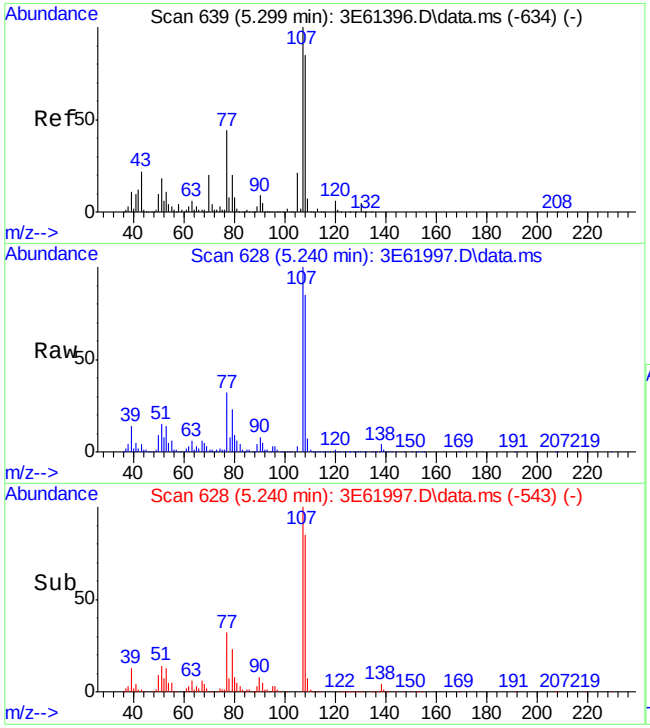


#9
Phenol
Concen: 10.17 ppb
RT: 4.647 min Scan# 517
Delta R.T. -0.043 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion: 94 Resp: 32465

Ion	Ratio	Lower	Upper
94	100		
65	31.5	0.0	56.5
66	40.6	2.8	62.8

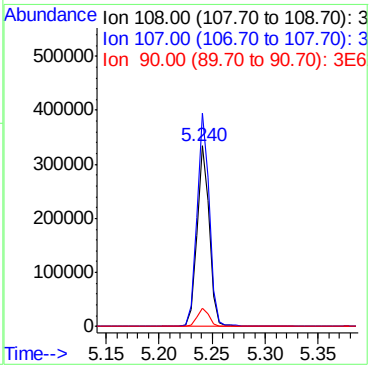


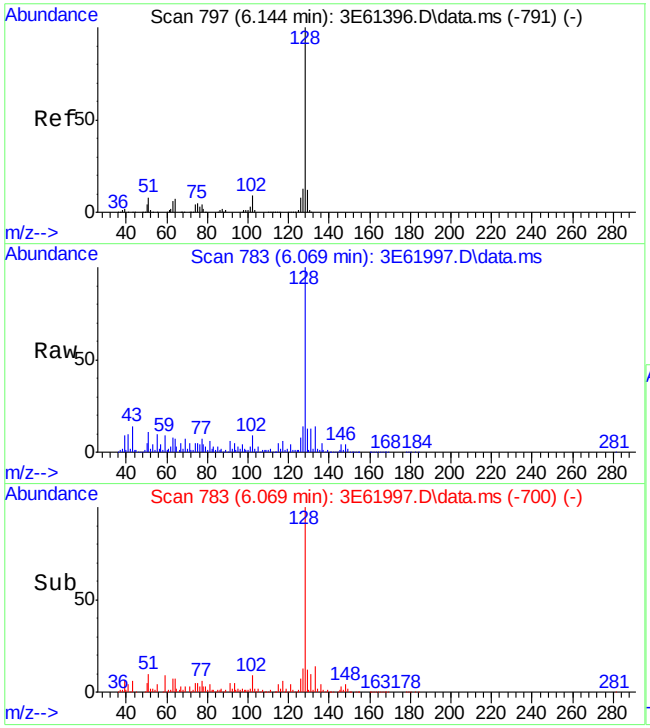


#21
3&4-Methylphenol
Concen: 120.79 ppb
RT: 5.240 min Scan# 628
Delta R.T. -0.048 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:108 Resp: 270628

Ion	Ratio	Lower	Upper
108	100		
107	118.0	87.0	147.0
90	9.9	0.0	40.0

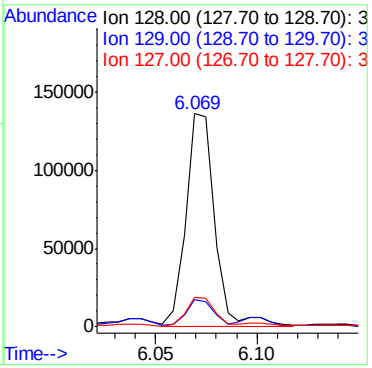


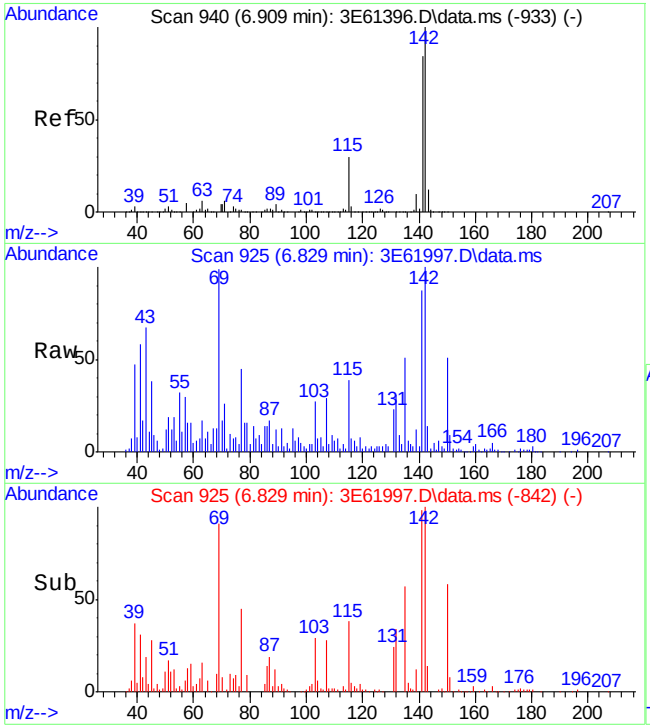


#38
Naphthalene
Concen: 19.19 ppb
RT: 6.069 min Scan# 783
Delta R.T. -0.059 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:128 Resp: 133299

Ion	Ratio	Lower	Upper
128	100		
129	12.1	0.0	41.9
127	13.3	0.0	43.4

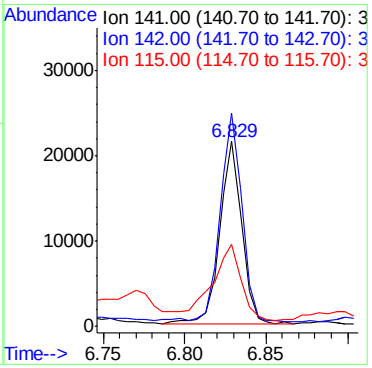


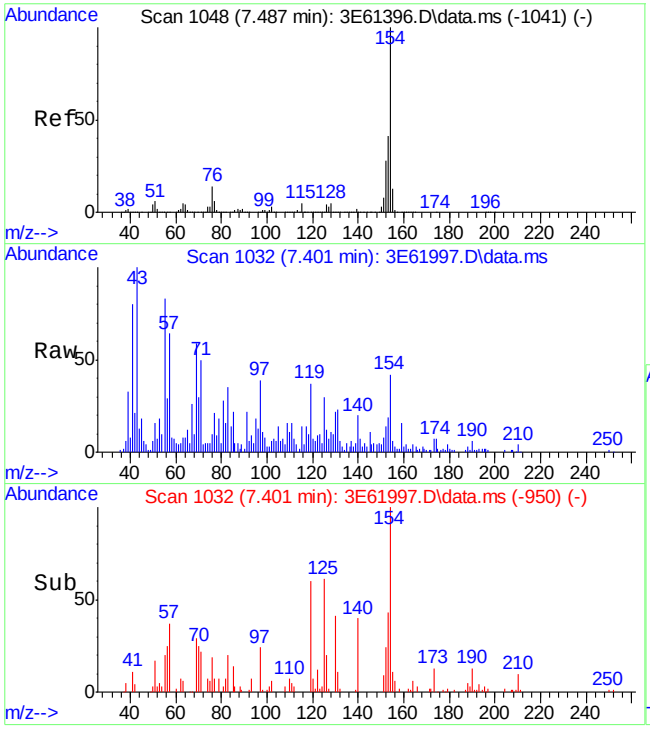


#44
2-Methylnaphthalene
Concen: 5.08 ppb
RT: 6.829 min Scan# 925
Delta R.T. -0.059 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:141 Resp: 20537

Ion	Ratio	Lower	Upper
141	100		
142	113.4	88.5	148.5
115	39.0	5.9	65.9

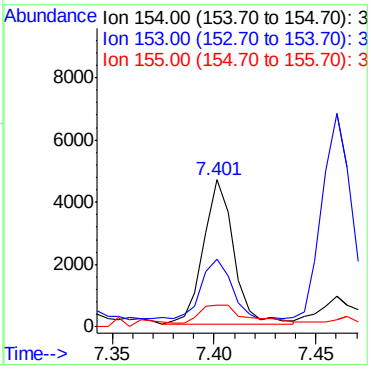


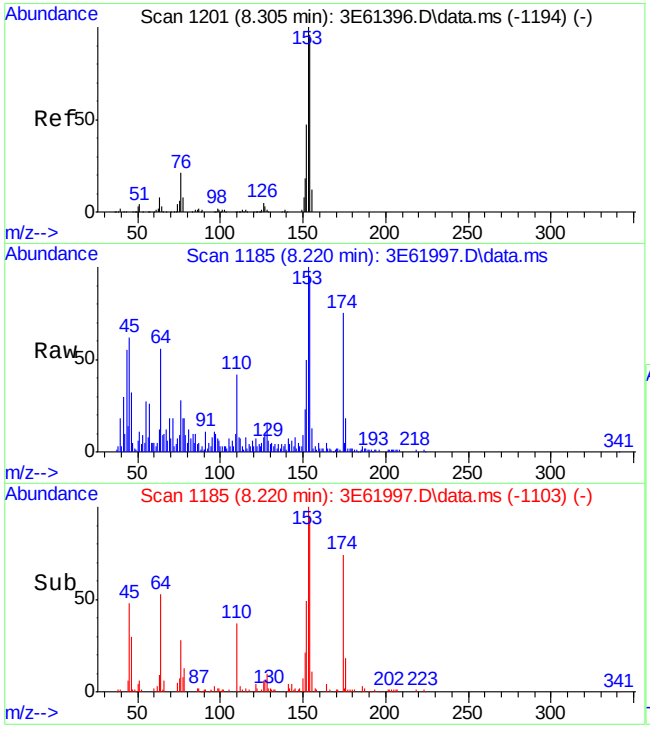


#53
Biphenyl
Concen: 0.88 ppb
RT: 7.401 min Scan# 1032
Delta R.T. -0.064 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:154 Resp: 4744

Ion	Ratio	Lower	Upper
154	100		
153	41.0	10.7	70.7
155	11.8	0.0	43.4

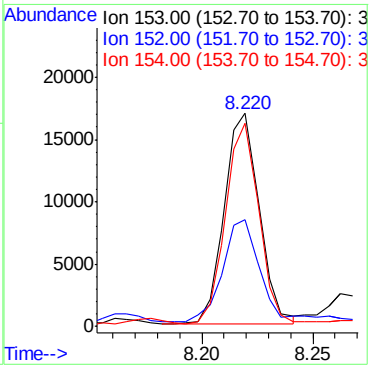


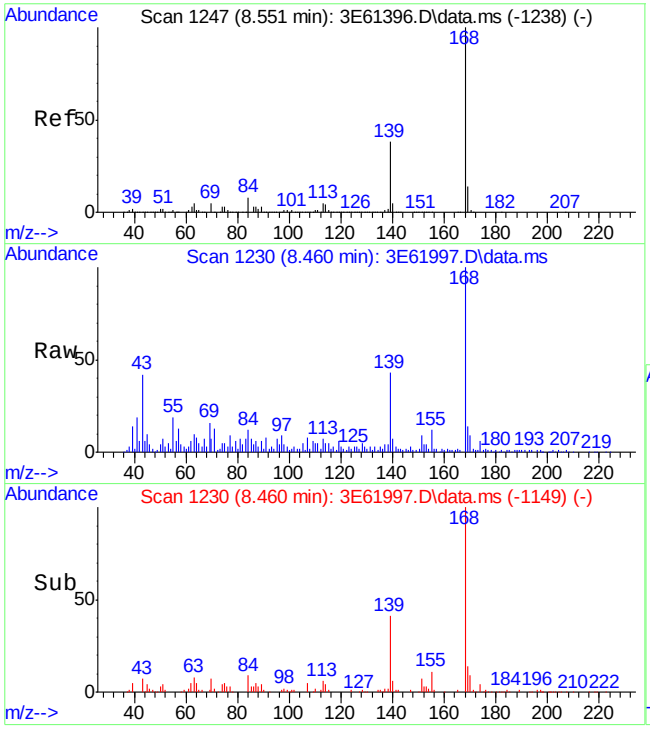


#59
Acenaphthene
Concen: 4.99 ppb
RT: 8.220 min Scan# 1185
Delta R.T. -0.064 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:153 Resp: 18434

Ion	Ratio	Lower	Upper
153	100		
152	48.3	17.4	77.4
154	95.9	62.3	122.3

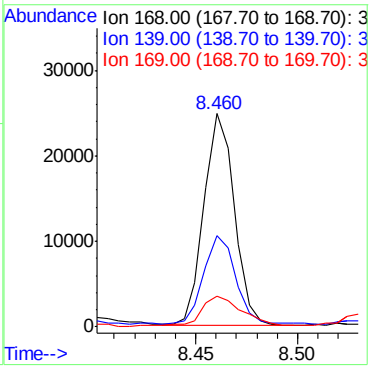


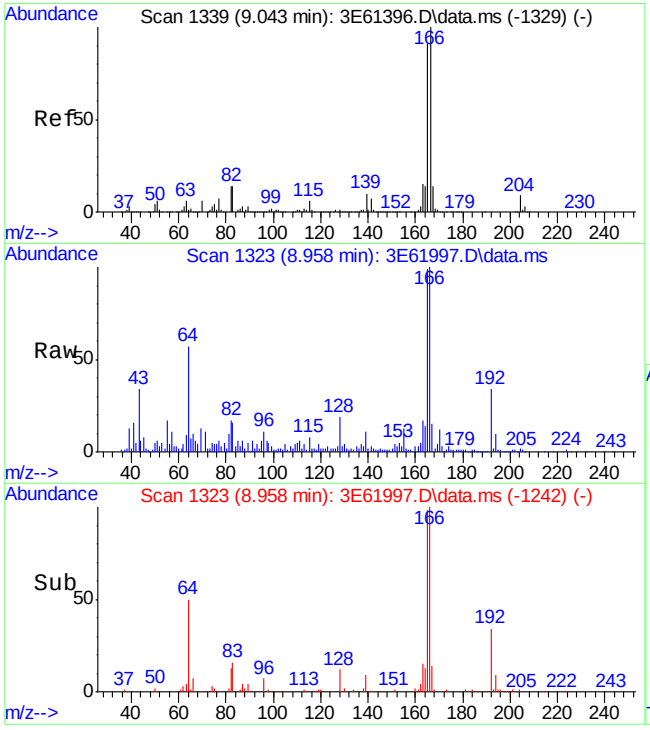


#62
Dibenzofuran
Concen: 5.21 ppb
RT: 8.460 min Scan# 1230
Delta R.T. -0.069 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:168 Resp: 25649

Ion	Ratio	Lower	Upper
168	100		
139	41.9	8.4	68.4
169	14.0	0.0	44.3

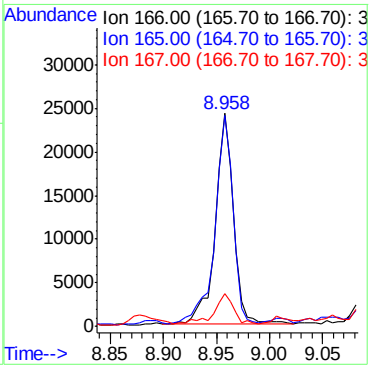


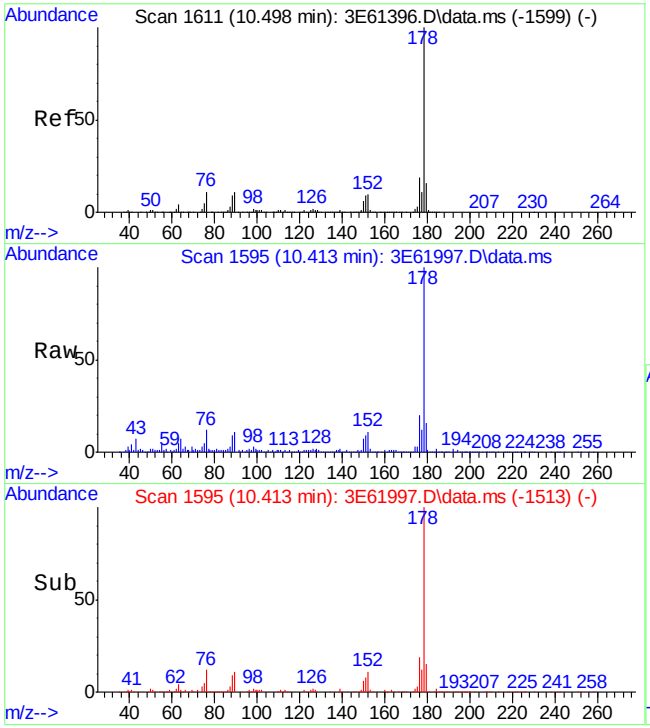


#66
Fluorene
Concen: 7.22 ppb
RT: 8.958 min Scan# 1323
Delta R.T. -0.069 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:166 Resp: 29381

Ion	Ratio	Lower	Upper
166	100		
165	98.2	61.1	121.1
167	12.6	0.0	44.0

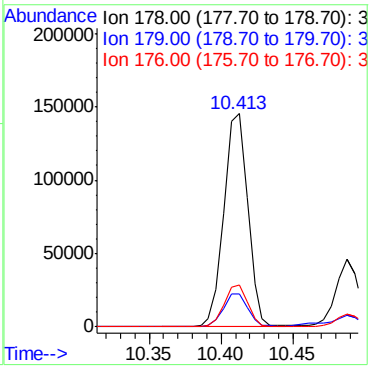


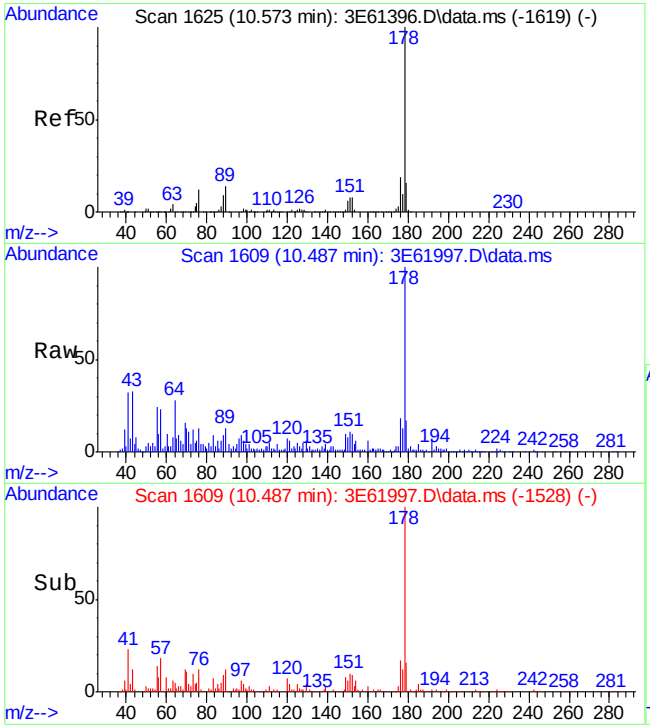


#77
Phenanthrene
Concen: 33.34 ppb
RT: 10.413 min Scan# 1595
Delta R.T. -0.064 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:178 Resp: 166308

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	46.3
176	19.7	0.0	49.5

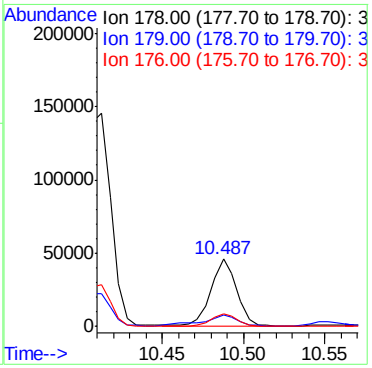


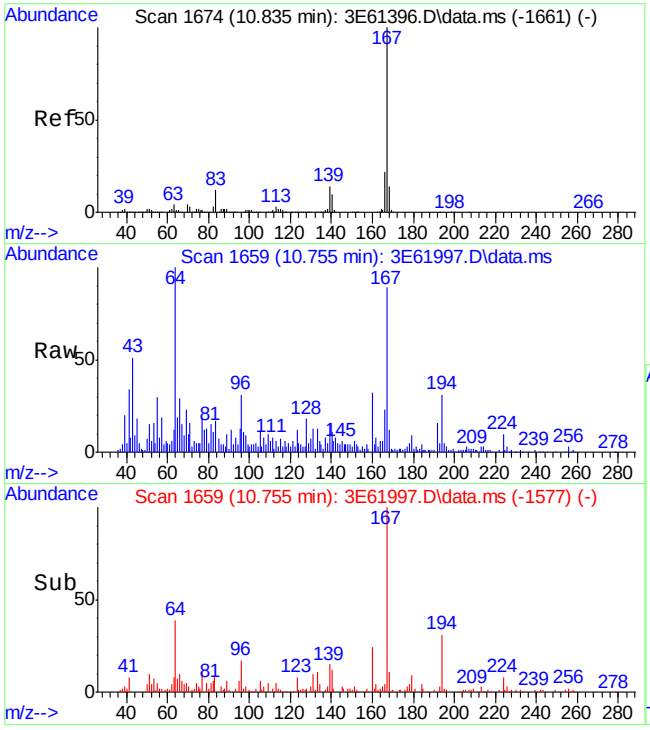


#78
Anthracene
Concen: 10.37 ppb
RT: 10.487 min Scan# 1609
Delta R.T. -0.069 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:178 Resp: 50578

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	46.3
176	18.1	0.0	49.2

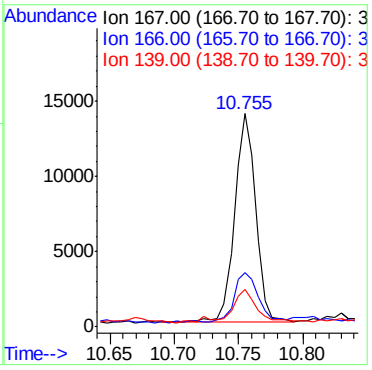


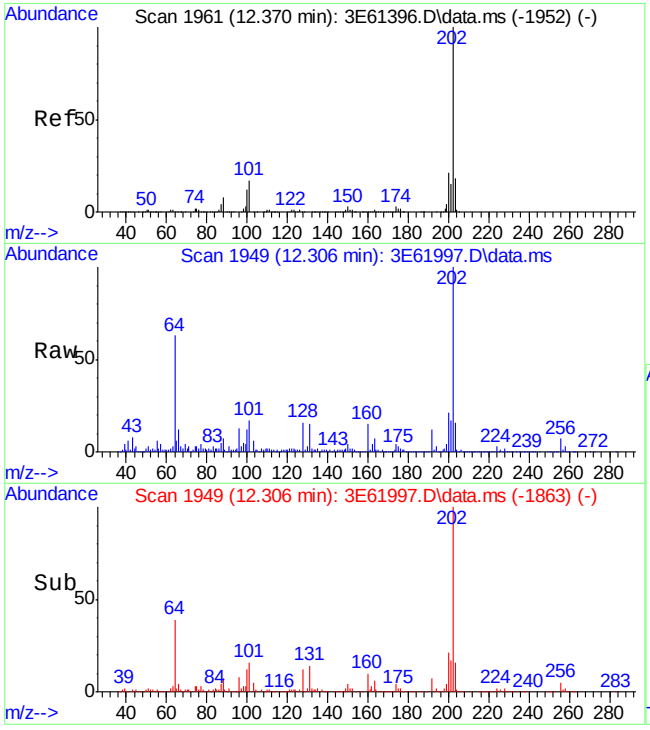


#79
Carbazole
Concen: 2.96 ppb
RT: 10.755 min Scan# 1659
Delta R.T. -0.064 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:167 Resp: 16028

Ion	Ratio	Lower	Upper
167	100		
166	22.5	0.0	52.1
139	14.9	0.0	44.0

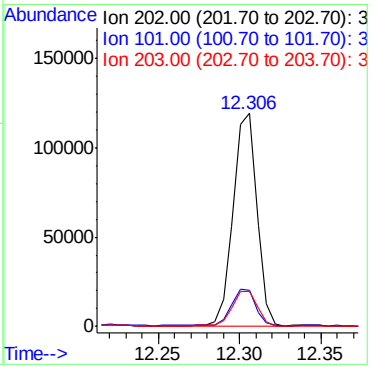


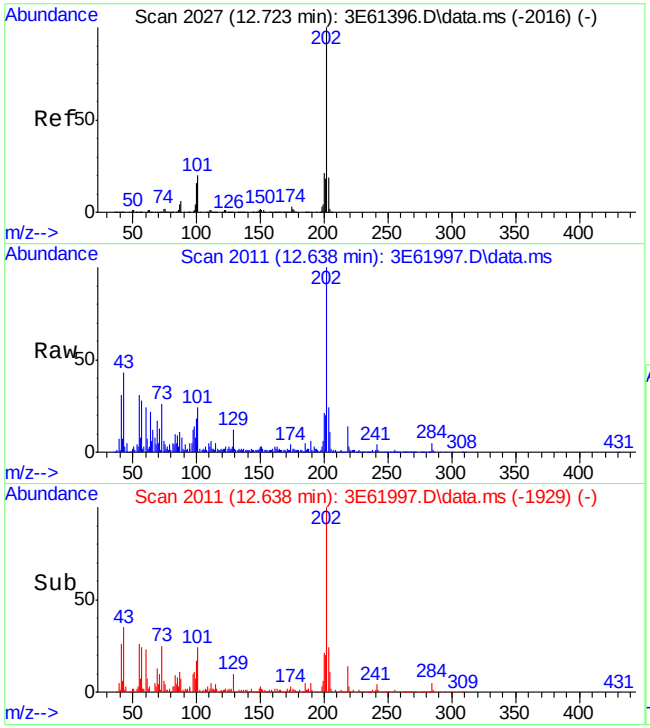


#81
Fluoranthene
Concen: 23.82 ppb
RT: 12.306 min Scan# 1949
Delta R.T. -0.043 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:202 Resp: 120666

Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	46.7
203	16.2	0.0	48.4

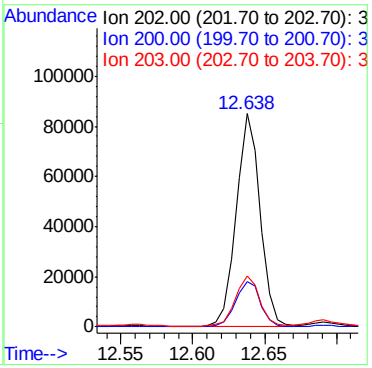


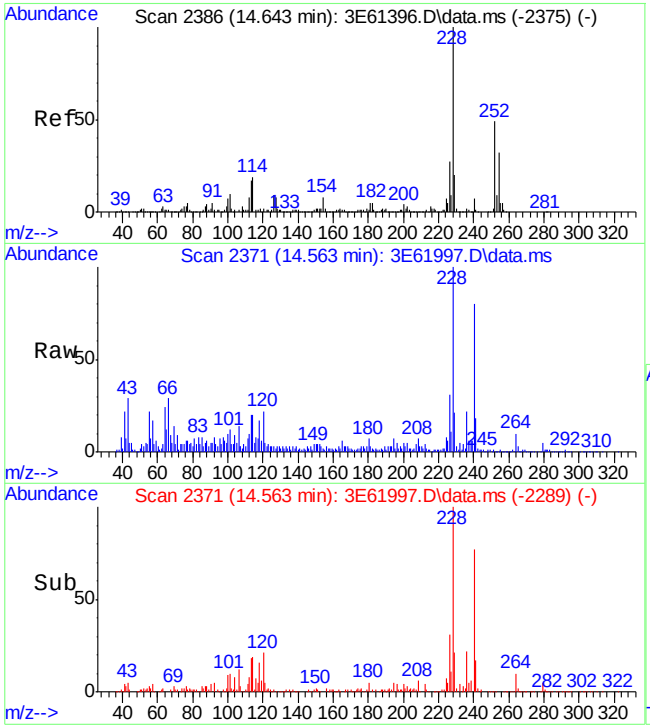


#84
Pyrene
Concen: 19.52 ppb
RT: 12.638 min Scan# 2011
Delta R.T. -0.064 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:202 Resp: 97608

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	50.7
203	23.3	0.0	49.0

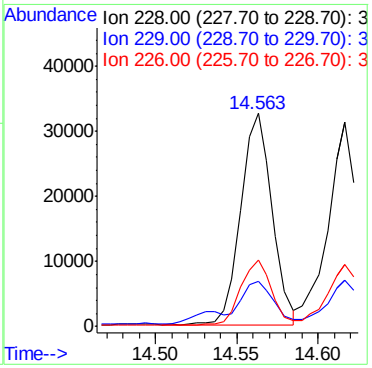


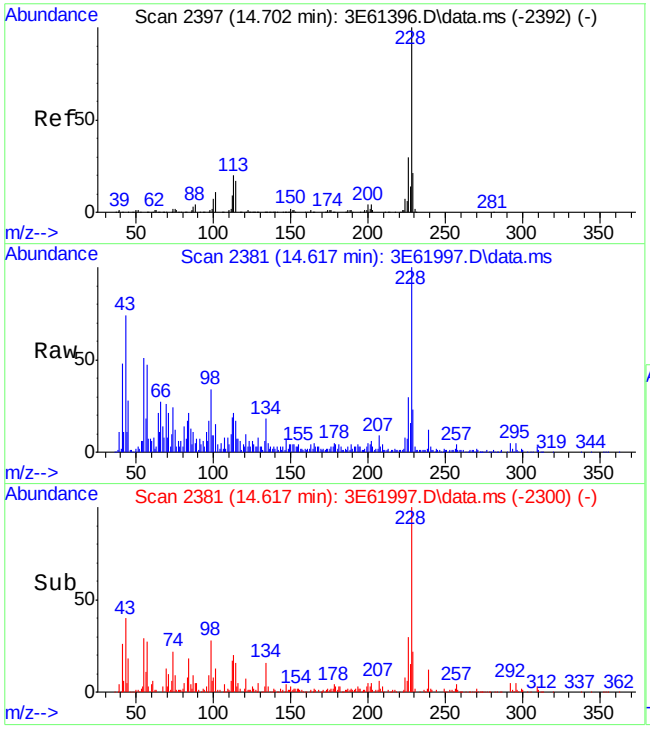


#88
Benzo[a]anthracene
Concen: 9.66 ppb
RT: 14.563 min Scan# 2371
Delta R.T. -0.064 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:228 Resp: 43723

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	50.4
226	30.7	0.0	56.9

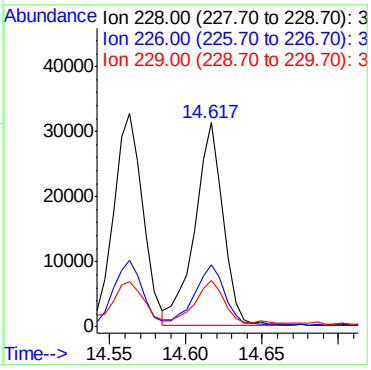


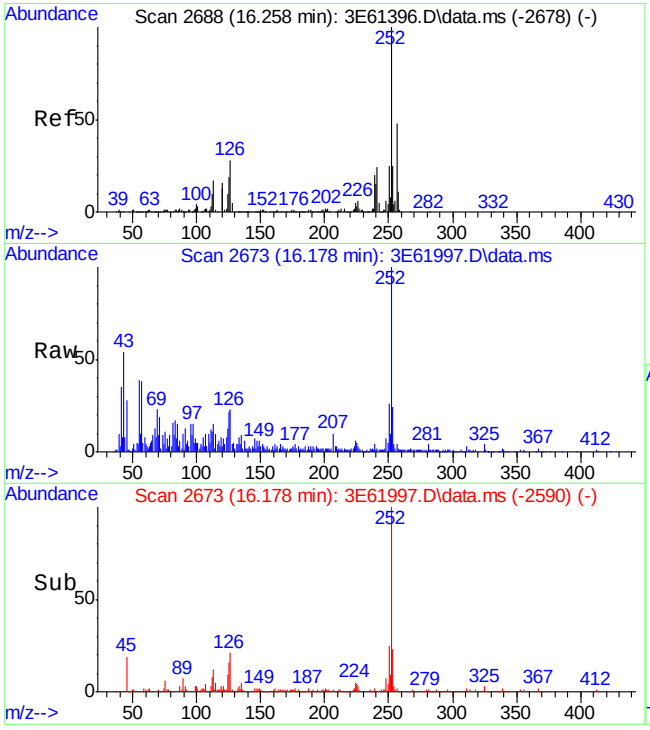


#90
Chrysene
Concen: 10.84 ppb
RT: 14.617 min Scan# 2381
Delta R.T. -0.069 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:228 Resp: 40343

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	21.4	0.0	50.6

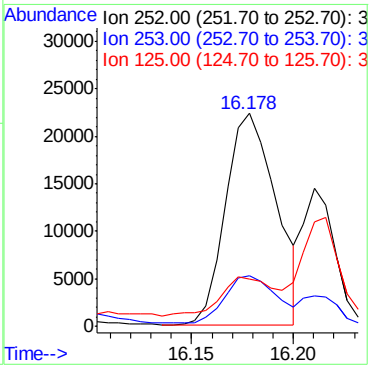


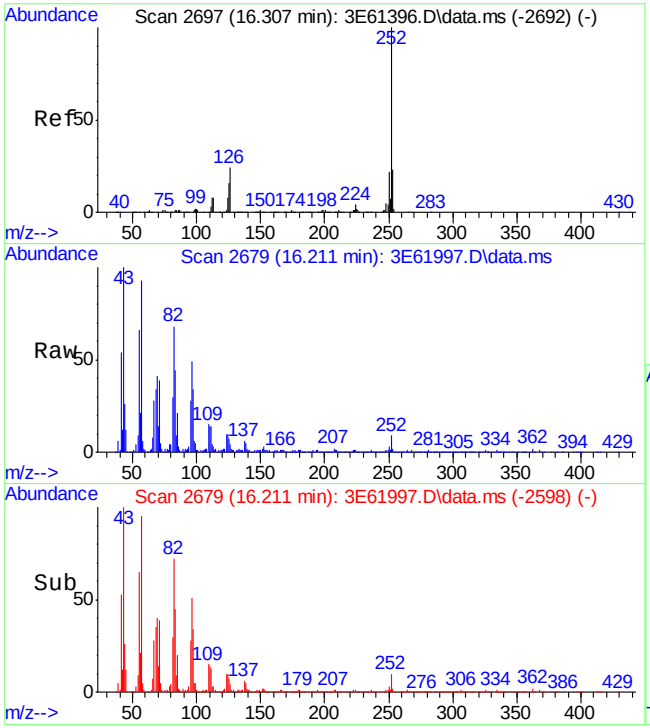


#94
Benzo[b]fluoranthene
Concen: 9.83 ppb
RT: 16.178 min Scan# 2673
Delta R.T. -0.059 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:252 Resp: 38593

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	55.3
125	11.7	0.0	49.7

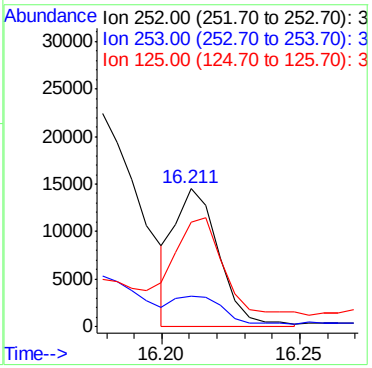


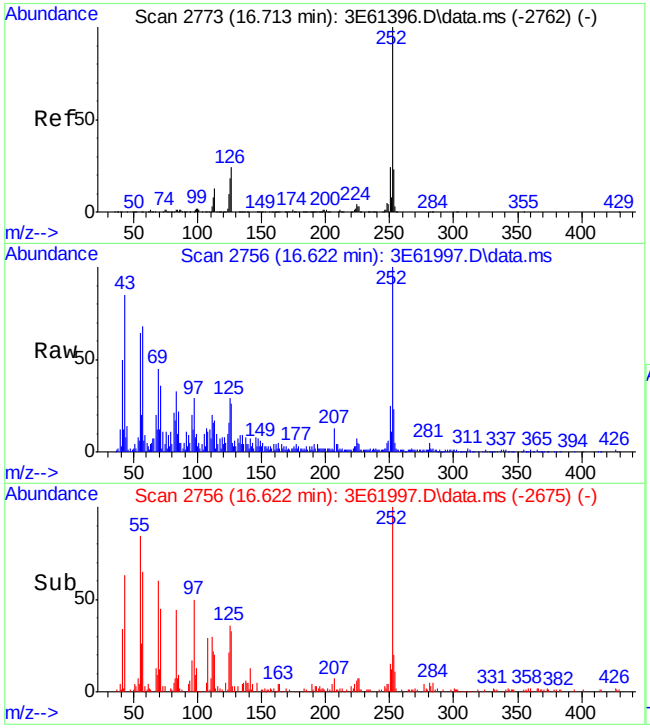


#95
Benzo[k]fluoranthene
Concen: 4.52 ppb m
RT: 16.211 min Scan# 2679
Delta R.T. -0.069 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:252 Resp: 15952

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.6
125	75.2	0.0	46.4#

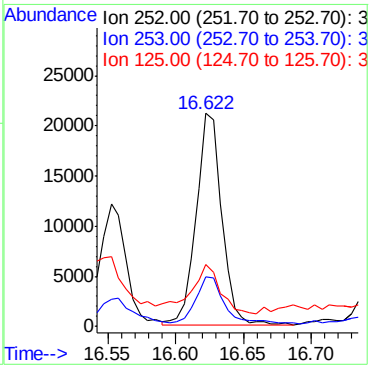


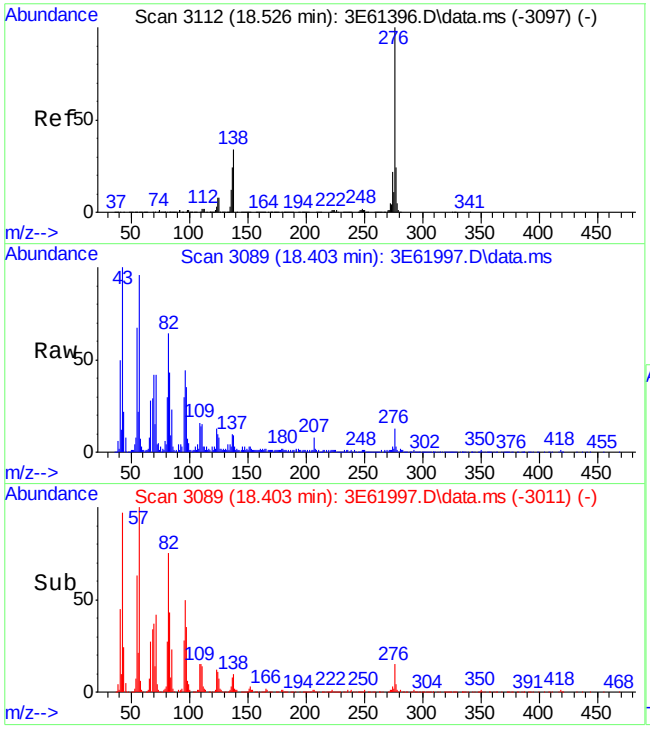


#96
Benzo[a]pyrene
Concen: 8.51 ppb
RT: 16.622 min Scan# 2756
Delta R.T. -0.069 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:252 Resp: 27466

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	52.7
125	18.9	0.0	48.2

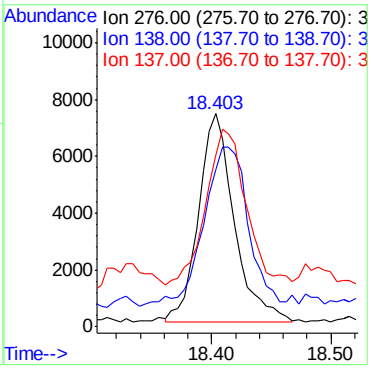


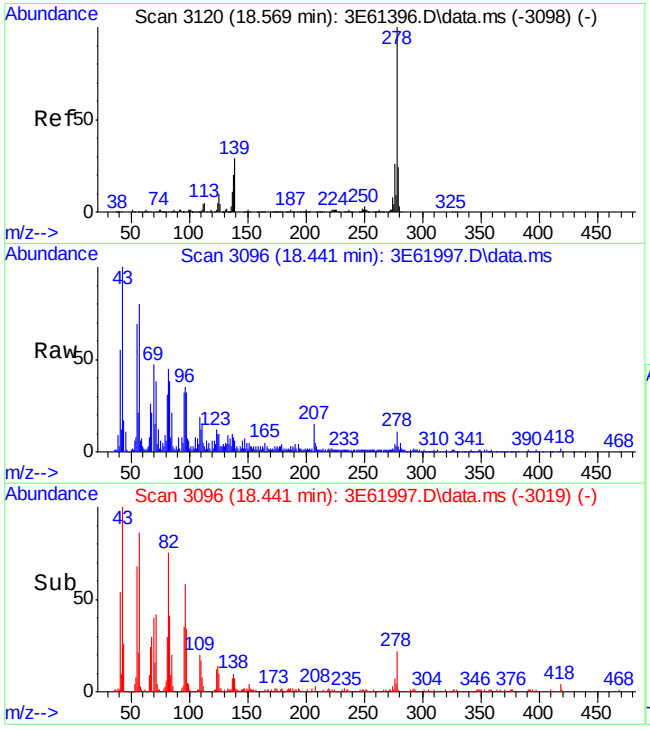


#97
Indeno[1,2,3-cd]pyrene
Concen: 4.61 ppb m
RT: 18.403 min Scan# 3089
Delta R.T. -0.085 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:276 Resp: 15203

Ion	Ratio	Lower	Upper
276	100		
138	73.5	0.0	58.8#
137	80.4	0.0	52.1#

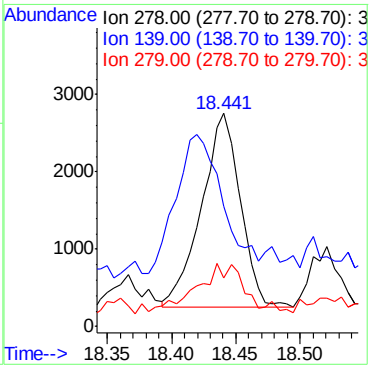


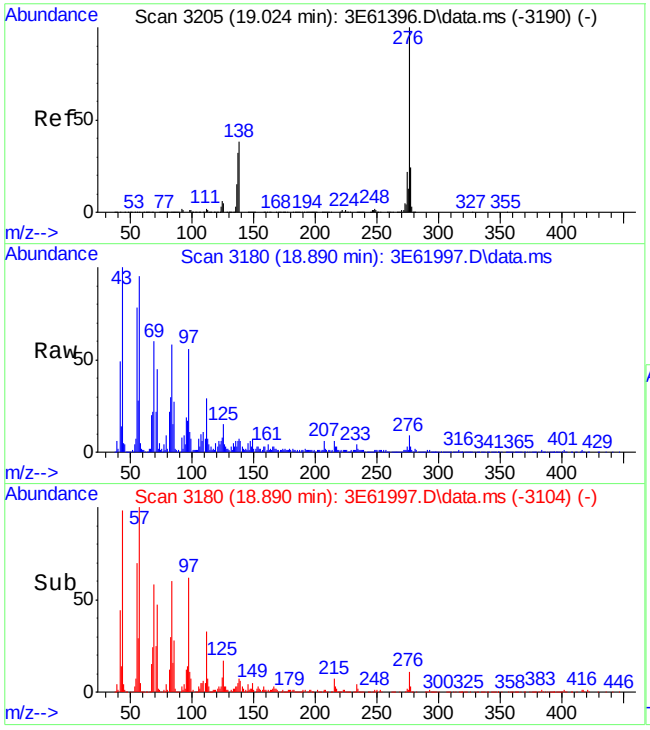


#99
Dibenz[a,h]anthracene
Concen: 1.66 ppb
RT: 18.441 min Scan# 3096
Delta R.T. -0.091 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:278 Resp: 5269

Ion	Ratio	Lower	Upper
278	100		
139	22.4	0.0	58.9
279	16.7	0.0	54.1

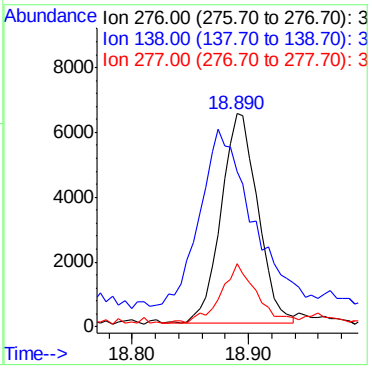


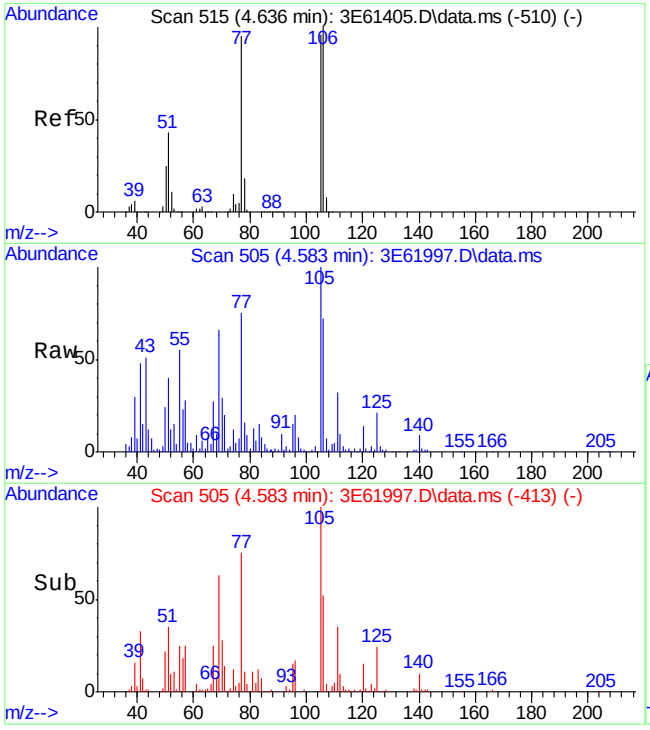


#101
Benzo[g,h,i]perylene
Concen: 4.46 ppb
RT: 18.890 min Scan# 3180
Delta R.T. -0.096 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:276 Resp: 14238

Ion	Ratio	Lower	Upper
276	100		
138	58.9	7.5	67.5
277	27.6	0.0	54.2

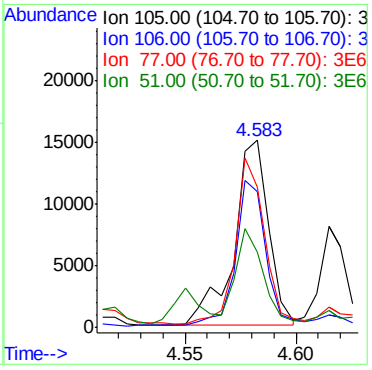




#103
Benzaldehyde
Concen: 9.20 ppb
RT: 4.583 min Scan# 505
Delta R.T. -0.005 min
Lab File: 3E61997.D
Acq: 12 Jun 2014 7:20 pm

Tgt Ion:105 Resp: 16258

Ion	Ratio	Lower	Upper
105	100		
106	71.4	74.4	134.4#
77	73.1	69.2	129.2
51	37.3	14.5	74.5



Manual Integration Approval Summary

Sample Number:	JB68173-13	**Method:**	SW846 8270D
Lab FileID:	3E61997.D	**Analyst approved:**	06/13/14 14:35 Olga Azarihn
Injection Time:	06/12/14 19:20	**Supervisor approved:**	06/13/14 15:32 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		16.21	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.40	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/13/14 15:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62034.D
Acq On : 13 Jun 2014 1:21 pm
Operator : olgaa
Sample : jb68173-13
Misc : op75285,e3e2660,32.2,,,1,4
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:34:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.898	152	145303	40.00	ppb	-0.01
24) Naphthalene-d8	6.027	136	555092	40.00	ppb	-0.02
47) Acenaphthene-d10	8.150	164	285934	40.00	ppb	-0.01
69) Phenanthrene-d10	10.354	188	415456	40.00	ppb	0.00
83) Chrysene-d12	14.558	240	305274	40.00	ppb	-0.01
92) Perylene-d12	16.692	264	254649	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.898	152	145303	40.00	ppb	-0.01
104) Acenaphthene-d10a	8.150	164	285934	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.354	188	415456	40.00	ppb	0.00
108) Chrysene-d12a	14.558	240	305274	40.00	ppb	-0.01
110) Naphthalene-d8a	6.027	136	555092	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.930	112	28618	5.83	ppb	0.00
Spiked Amount 50.000			Recovery = 11.66%			
8) Phenol-d5	4.636	99	33843	5.56	ppb	0.00
Spiked Amount 50.000			Recovery = 11.12%			
25) Nitrobenzene-d5	5.353	82	27099	5.63	ppb	-0.02
Spiked Amount 50.000			Recovery = 11.26%			
51) 2-Fluorobiphenyl	7.246	172	52723	6.01	ppb	-0.02
Spiked Amount 50.000			Recovery = 12.02%			
73) 2,4,6-Tribromophenol	9.300	330	4874	6.70	ppb	0.00
Spiked Amount 50.000			Recovery = 13.40%			
85) Terphenyl-d14	12.910	244	37500	5.81	ppb	0.00
Spiked Amount 50.000			Recovery = 11.62%			
Target Compounds						Qvalue
9) Phenol	4.647	94	18863	2.69	ppb	89
21) 3&4-Methylphenol	5.235	108	154050	31.30	ppb	96
38) Naphthalene	6.048	128	79643	5.31	ppb	99
44) 2-Methylnaphthalene	6.802	141	12531	1.44	ppb	96
59) Acenaphthene	8.193	153	12520	1.49	ppb	95
62) Dibenzofuran	8.433	168	17255	1.54	ppb	97
66) Fluorene	8.931	166	19371	2.09	ppb	98
77) Phenanthrene	10.386	178	137939	11.77	ppb	99
78) Anthracene	10.461	178	40545	3.54	ppb	97
79) Carbazole	10.739	167	13924	1.10	ppb	94
81) Fluoranthene	12.263	202	154964	13.02	ppb	96
84) Pyrene	12.611	202	125474	12.03	ppb	95
88) Benzo[a]anthracene	14.542	228	55679	5.90	ppb	98
90) Chrysene	14.595	228	49092	6.33	ppb	99
94) Benzo[b]fluoranthene	16.157	252	27439m	3.19	ppb	
95) Benzo[k]fluoranthene	16.189	252	10501	1.36	ppb	82
96) Benzo[a]pyrene	16.601	252	18222	2.58	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.366	276	8420m	1.17	ppb	
99) Dibenz[a,h]anthracene	18.409	278	3041	0.44	ppb	69
101) Benzo[g,h,i]perylene	18.858	276	7443	1.06	ppb	91
103) Benzaldehyde	4.566	105	9907m	2.55	ppb	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62034.D
Acq On : 13 Jun 2014 1:21 pm
Operator : olgaa
Sample : jb68173-13
Misc : op75285,e3e2660,32.2,,,1,4
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:34:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration

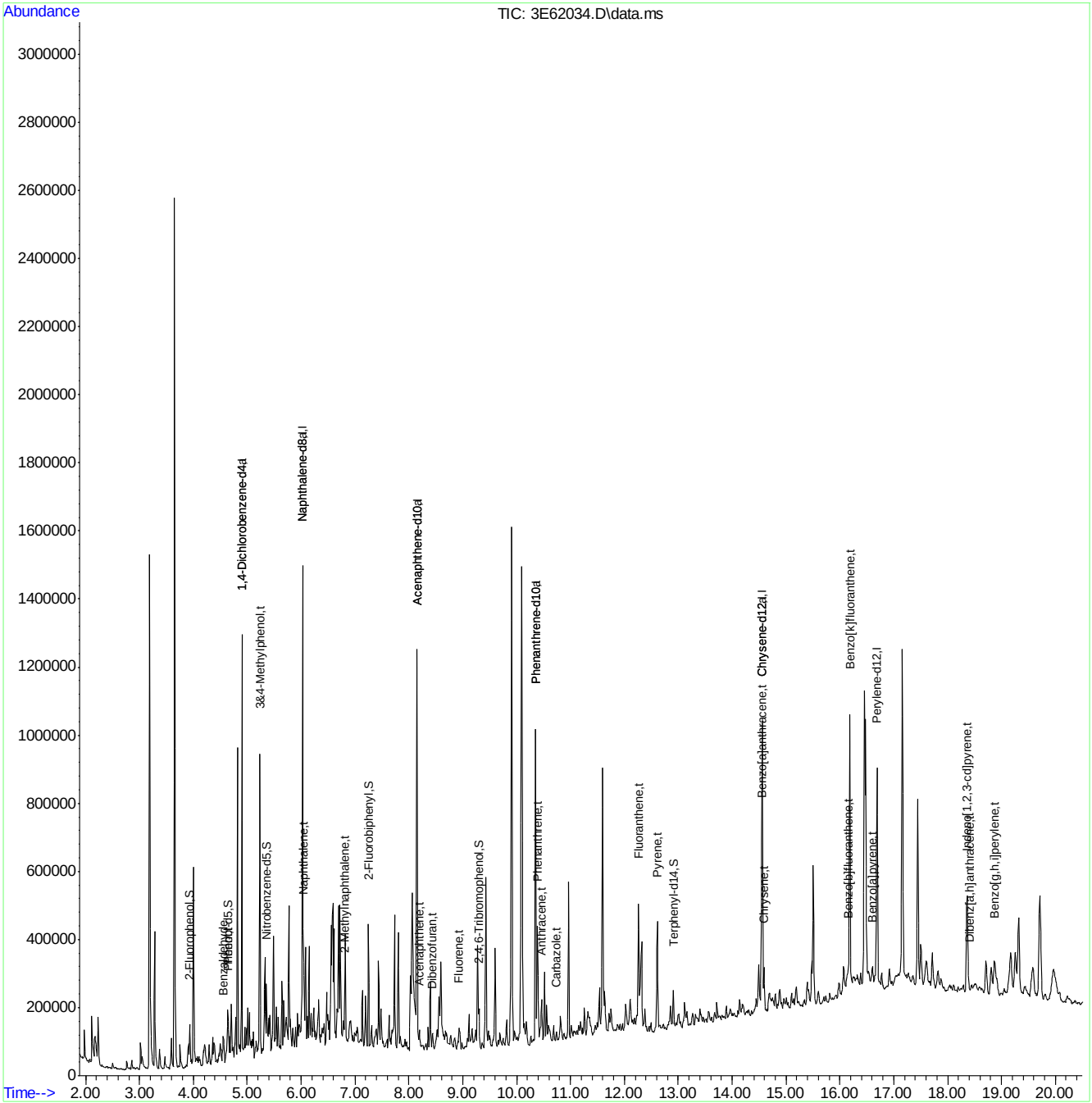
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

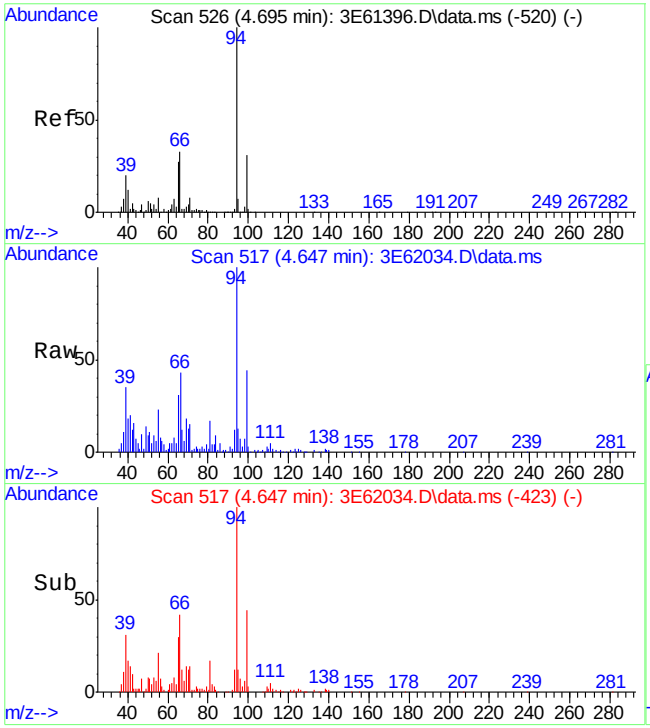
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62034.D
Acq On : 13 Jun 2014 1:21 pm
Operator : olgaa
Sample : jb68173-13
Misc : op75285,e3e2660,32.2,,,1,4
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:34:55 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration

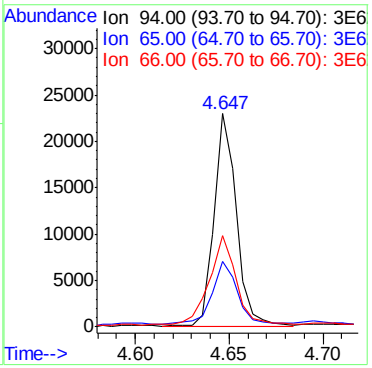


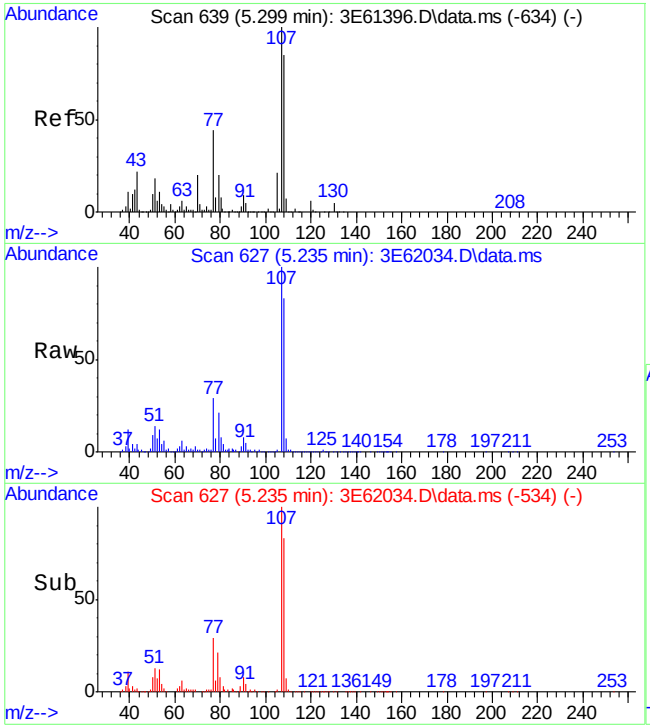


#9
Phenol
Concen: 2.69 ppb
RT: 4.647 min Scan# 517
Delta R.T. 0.005 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion: 94 Resp: 18863

Ion	Ratio	Lower	Upper
94	100		
65	29.2	0.0	56.5
66	42.0	2.8	62.8

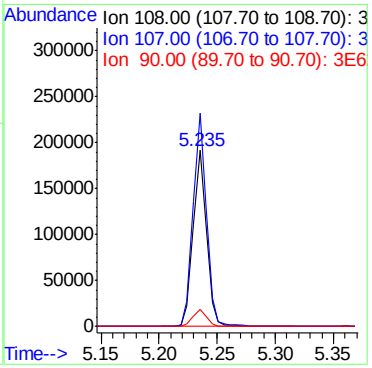


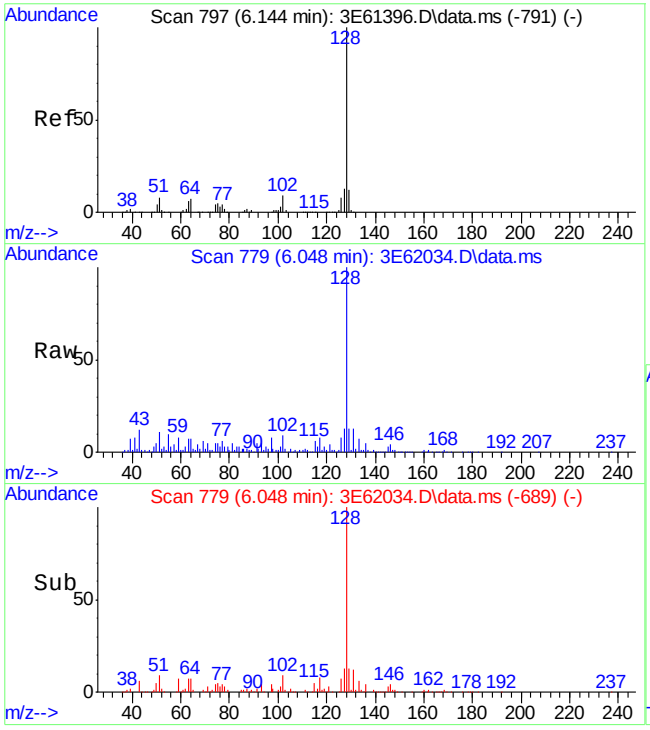


#21
3&4-Methylphenol
Concen: 31.30 ppb
RT: 5.235 min Scan# 627
Delta R.T. -0.000 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:108 Resp: 154050

Ion	Ratio	Lower	Upper
108	100		
107	121.1	87.0	147.0
90	9.4	0.0	40.0

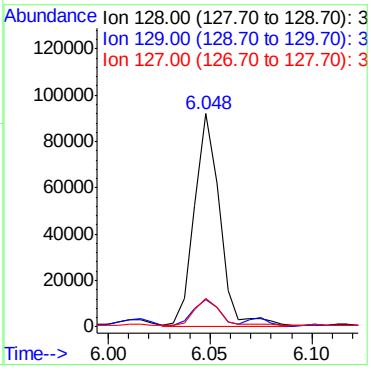


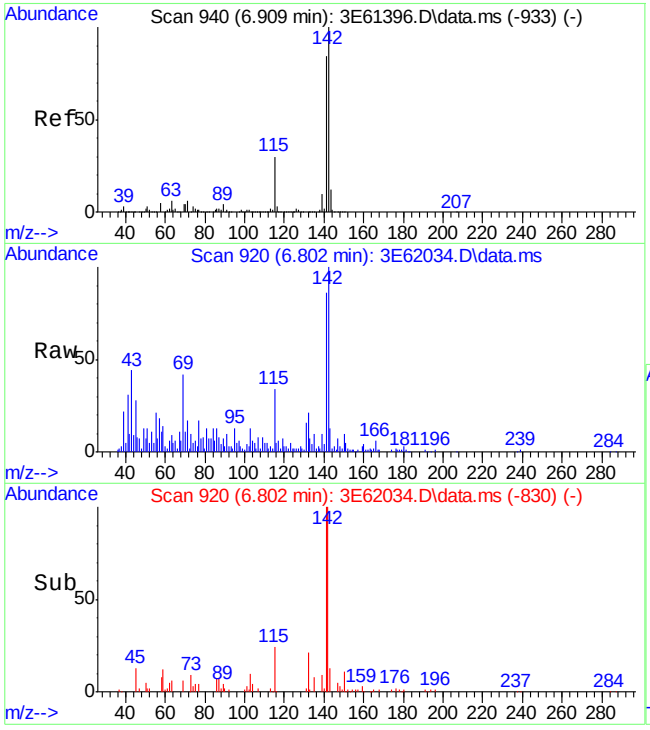


#38
Naphthalene
Concen: 5.31 ppb
RT: 6.048 min Scan# 779
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:128 Resp: 79643

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	41.9
127	12.8	0.0	43.4

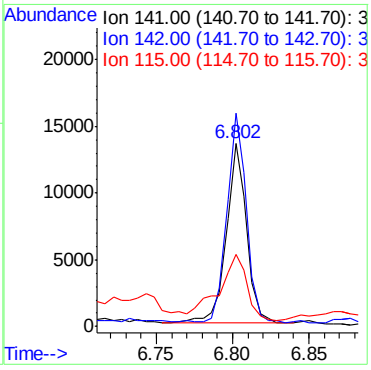


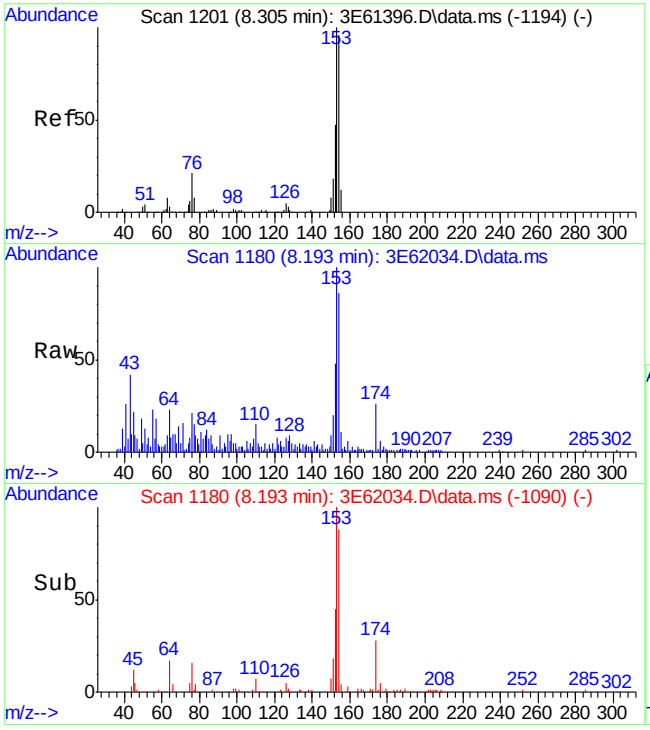


#44
2-Methylnaphthalene
Concen: 1.44 ppb
RT: 6.802 min Scan# 920
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:141 Resp: 12531

Ion	Ratio	Lower	Upper
141	100		
142	115.2	88.5	148.5
115	32.8	5.9	65.9

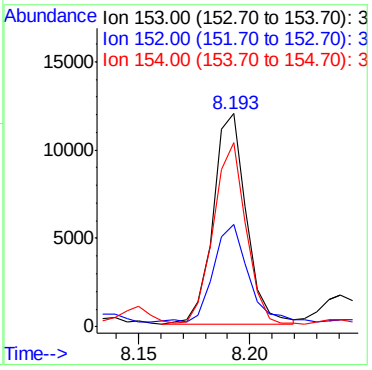


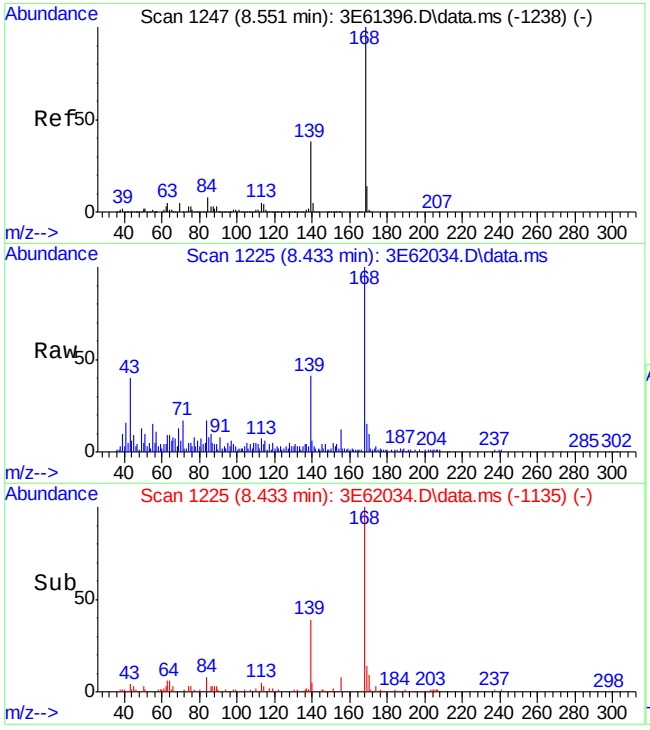


#59
Acenaphthene
Concen: 1.49 ppb
RT: 8.193 min Scan# 1180
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:153 Resp: 12520

Ion	Ratio	Lower	Upper
153	100		
152	46.2	17.4	77.4
154	85.9	62.3	122.3

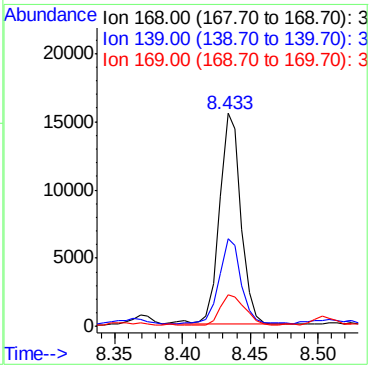


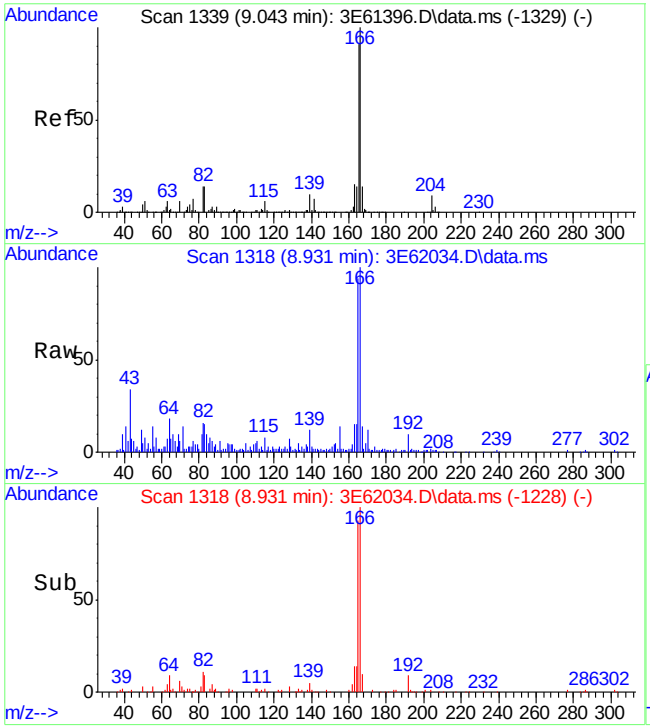


#62
Dibenzofuran
Concen: 1.54 ppb
RT: 8.433 min Scan# 1225
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:168 Resp: 17255

Ion	Ratio	Lower	Upper
168	100		
139	40.5	8.4	68.4
169	14.1	0.0	44.3

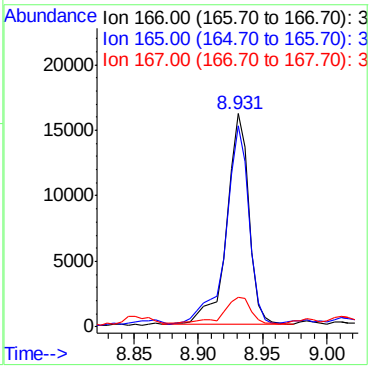


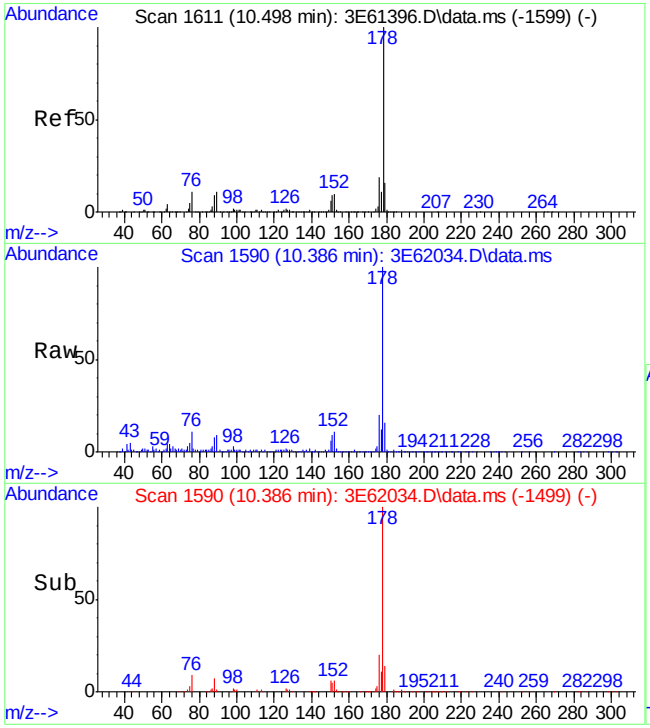


#66
Fluorene
Concen: 2.09 ppb
RT: 8.931 min Scan# 1318
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:166 Resp: 19371

Ion	Ratio	Lower	Upper
166	100		
165	92.7	61.1	121.1
167	11.3	0.0	44.0

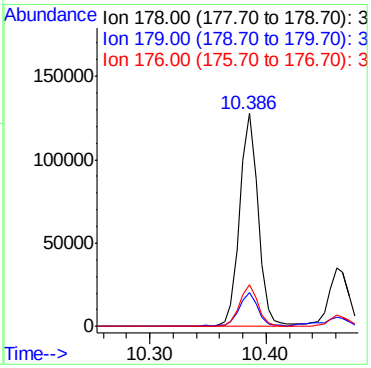


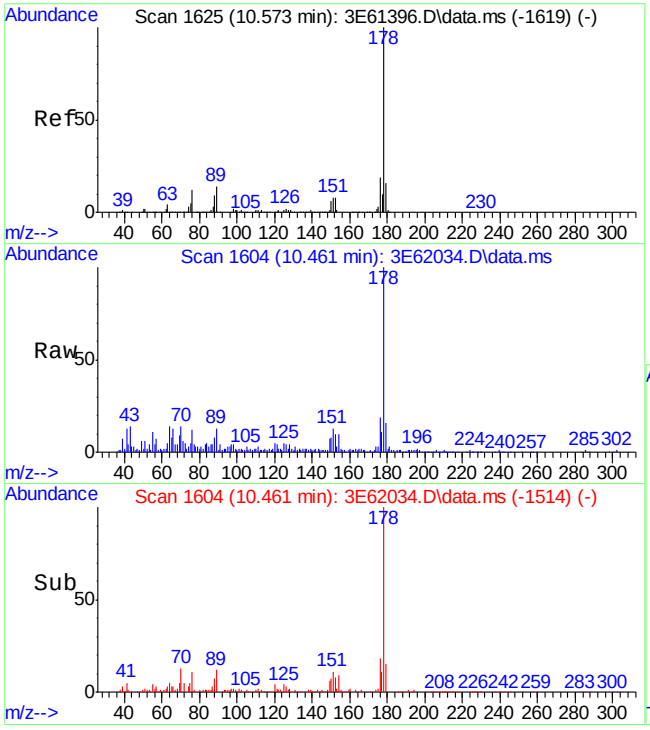


#77
Phenanthrene
Concen: 11.77 ppb
RT: 10.386 min Scan# 1590
Delta R.T. -0.011 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:178 Resp: 137939

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	46.3
176	19.4	0.0	49.5

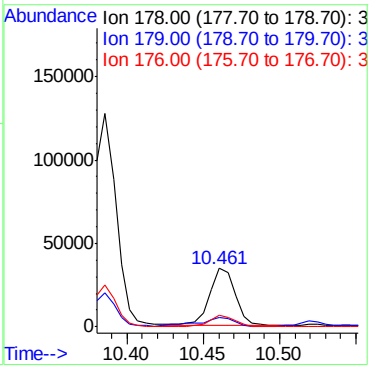


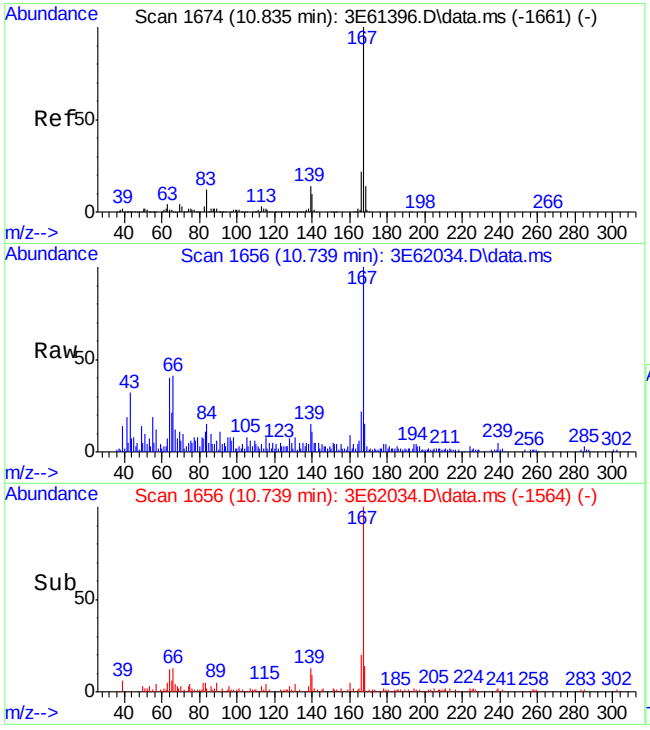


#78
Anthracene
Concen: 3.54 ppb
RT: 10.461 min Scan# 1604
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:178 Resp: 40545

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	46.3
176	18.8	0.0	49.2

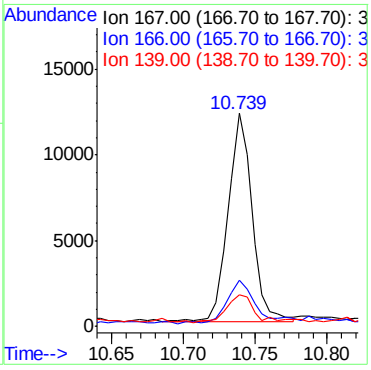


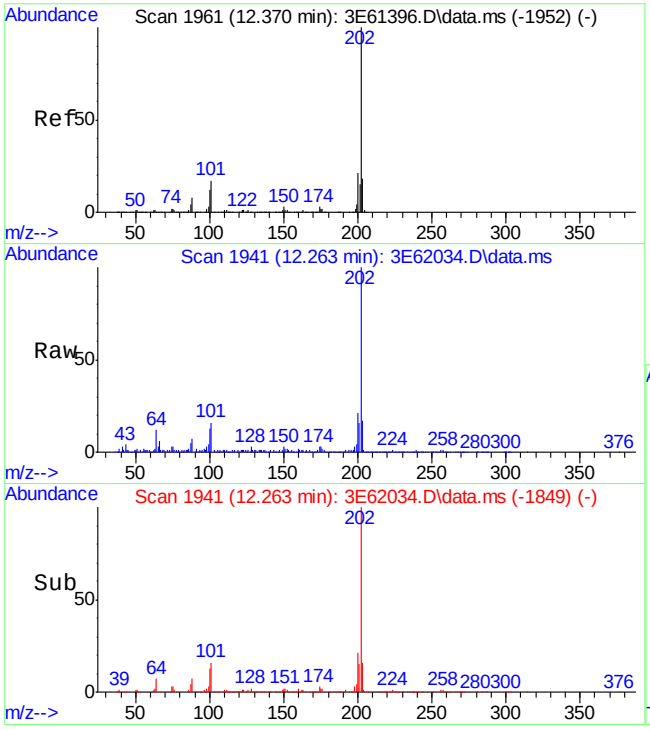


#79
Carbazole
Concen: 1.10 ppb
RT: 10.739 min Scan# 1656
Delta R.T. -0.005 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:167 Resp: 13924

Ion	Ratio	Lower	Upper
167	100		
166	19.5	0.0	52.1
139	11.7	0.0	44.0

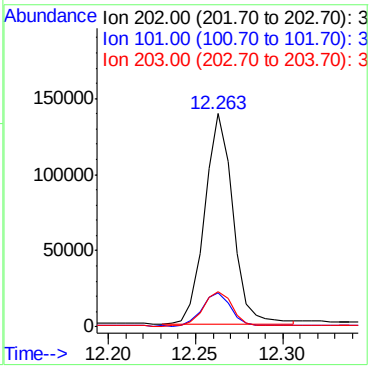


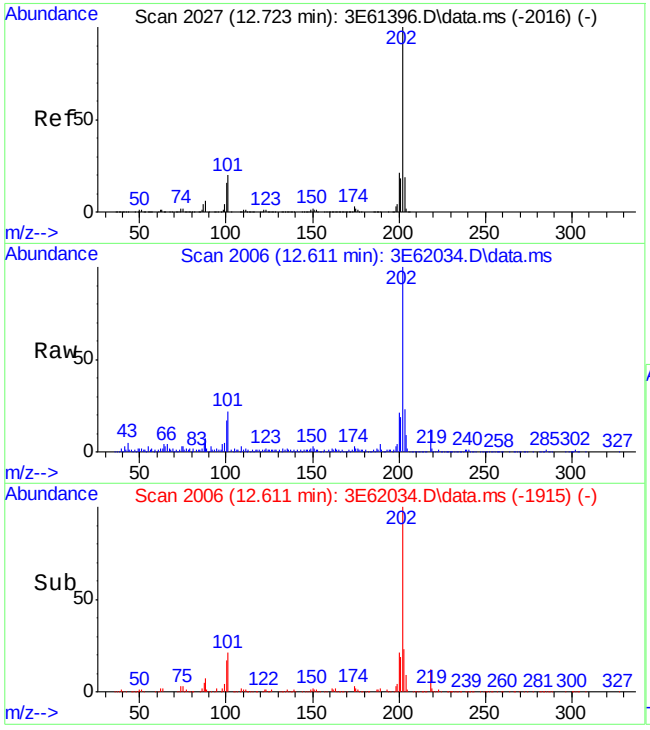


#81
Fluoranthene
Concen: 13.02 ppb
RT: 12.263 min Scan# 1941
Delta R.T. -0.005 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:202 Resp: 154964

Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	46.7
203	16.4	0.0	48.4

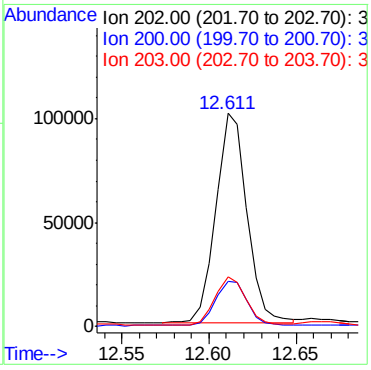


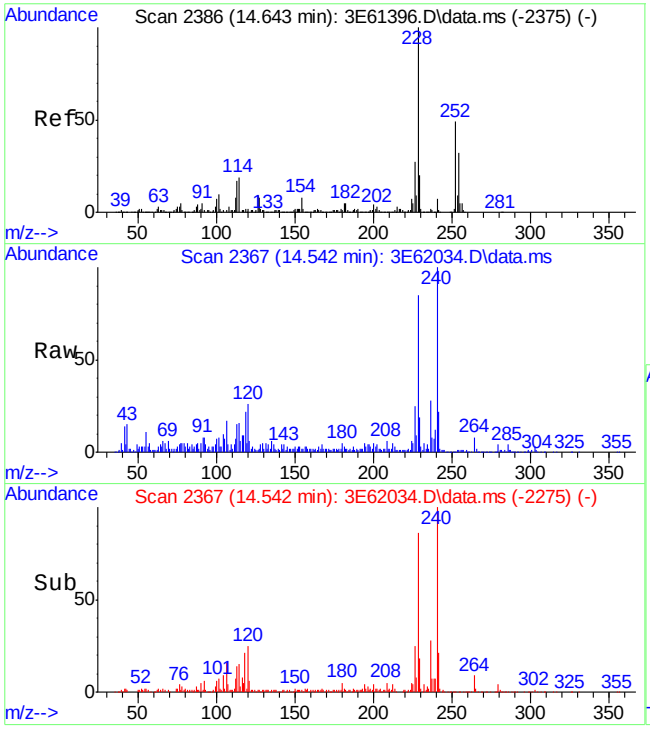


#84
Pyrene
Concen: 12.03 ppb
RT: 12.611 min Scan# 2006
Delta R.T. -0.011 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:202 Resp: 125474

Ion	Ratio	Lower	Upper
202	100		
200	21.2	0.0	50.7
203	22.8	0.0	49.0

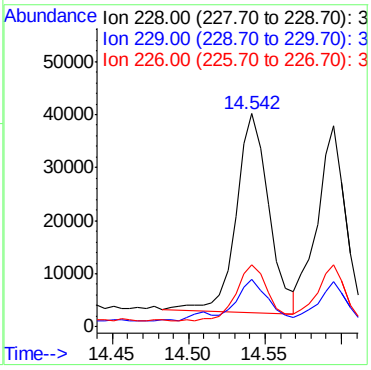


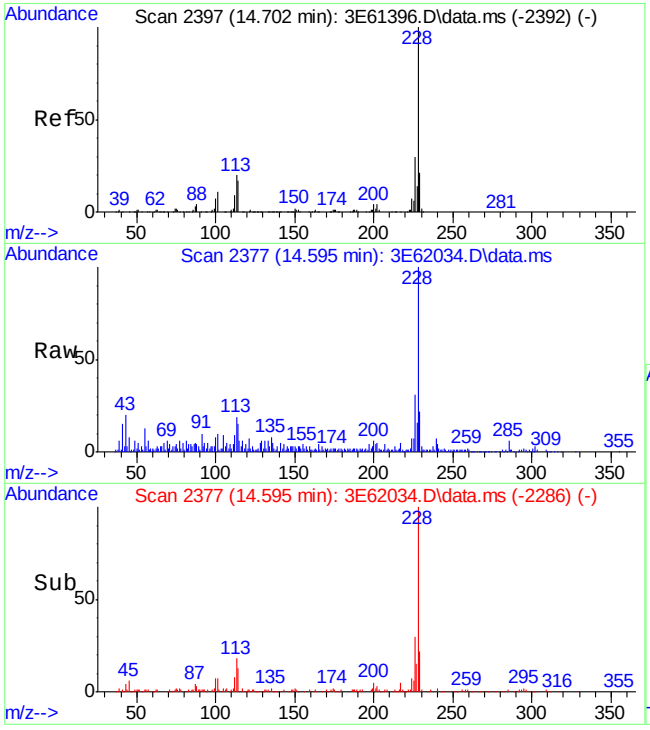


#88
Benzo[a]anthracene
Concen: 5.90 ppb
RT: 14.542 min Scan# 2367
Delta R.T. -0.005 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:228 Resp: 55679

Ion	Ratio	Lower	Upper
228	100		
229	20.9	0.0	50.4
226	28.3	0.0	56.9

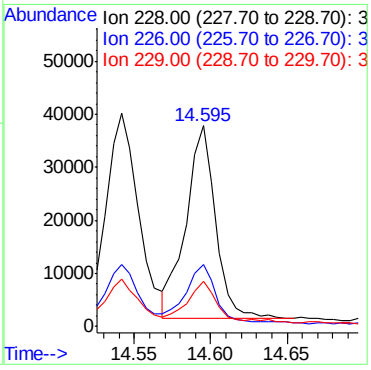


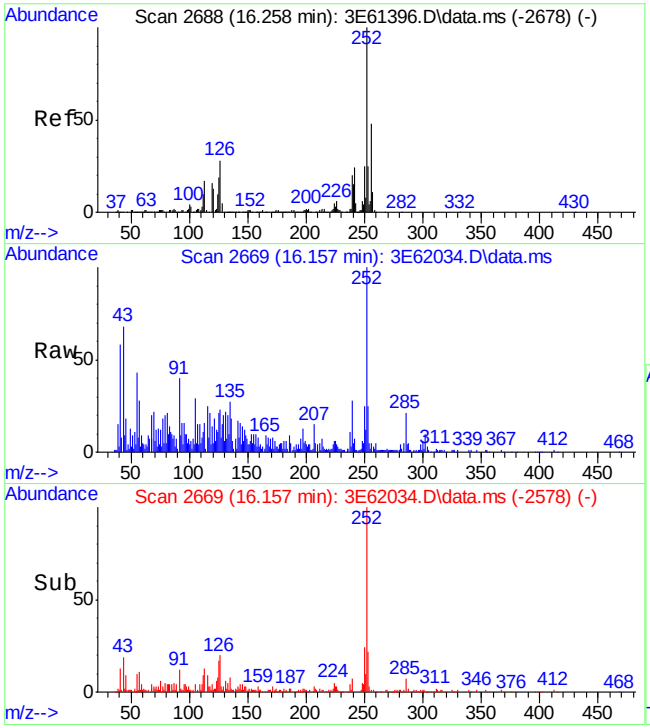


#90
Chrysene
Concen: 6.33 ppb
RT: 14.595 min Scan# 2377
Delta R.T. -0.011 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:228 Resp: 49092

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	59.6
229	21.3	0.0	50.6

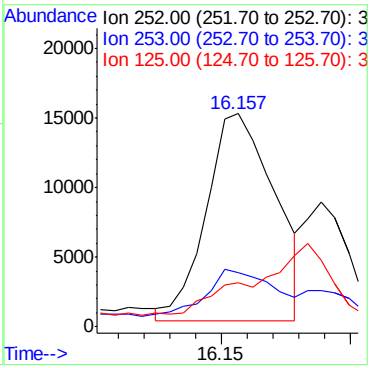


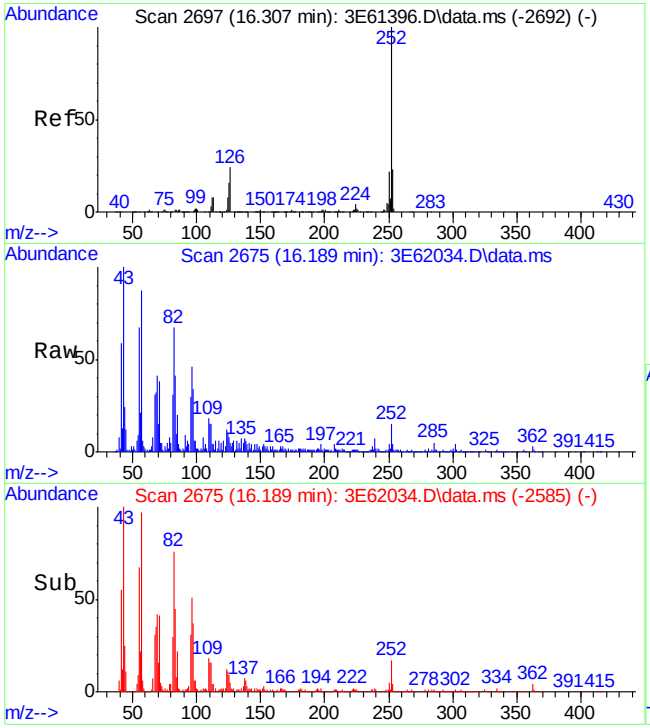


#94
Benzo[b]fluoranthene
Concen: 3.19 ppb m
RT: 16.157 min Scan# 2669
Delta R.T. -0.011 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:252 Resp: 27439

Ion	Ratio	Lower	Upper
252	100		
253	25.2	0.0	55.3
125	20.6	0.0	49.7

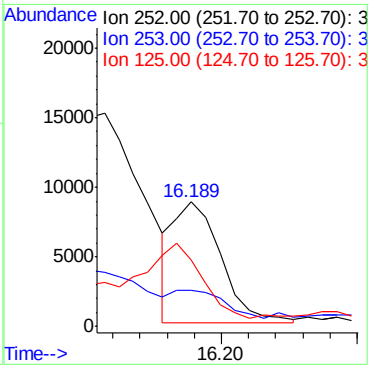


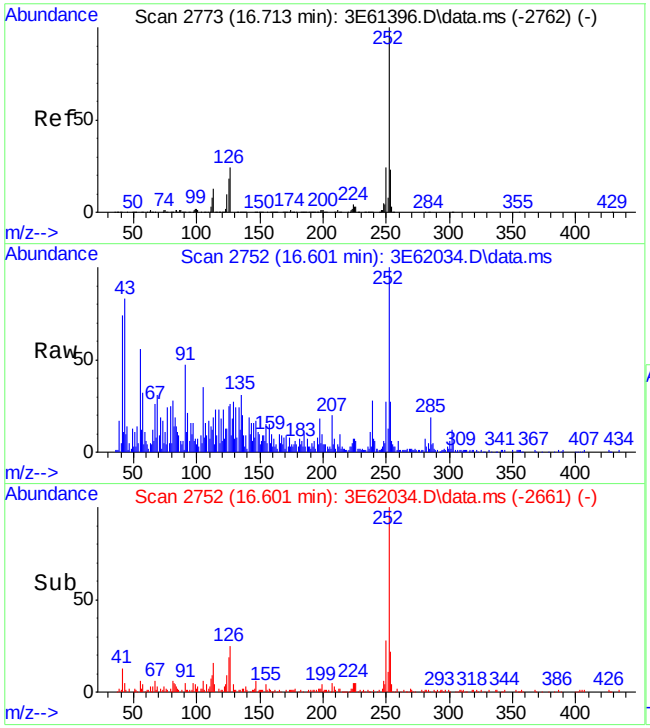


#95
Benzo[k]fluoranthene
Concen: 1.36 ppb
RT: 16.189 min Scan# 2675
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:252 Resp: 10501

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	52.6
125	34.9	0.0	46.4

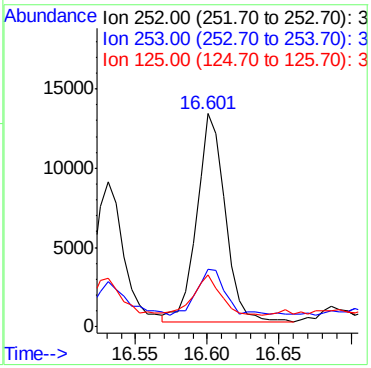


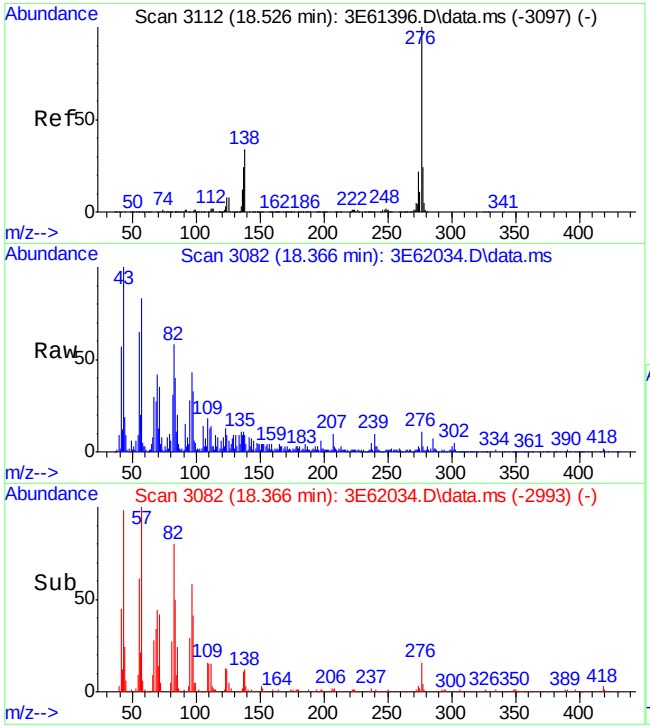


#96
Benzo[a]pyrene
Concen: 2.58 ppb
RT: 16.601 min Scan# 2752
Delta R.T. -0.011 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:252 Resp: 18222

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	52.7
125	18.9	0.0	48.2

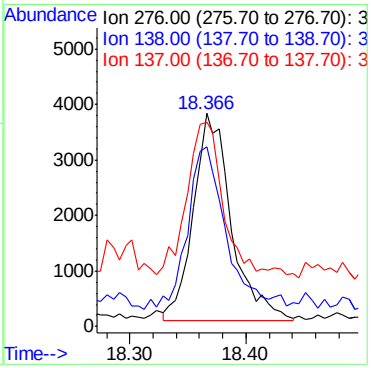


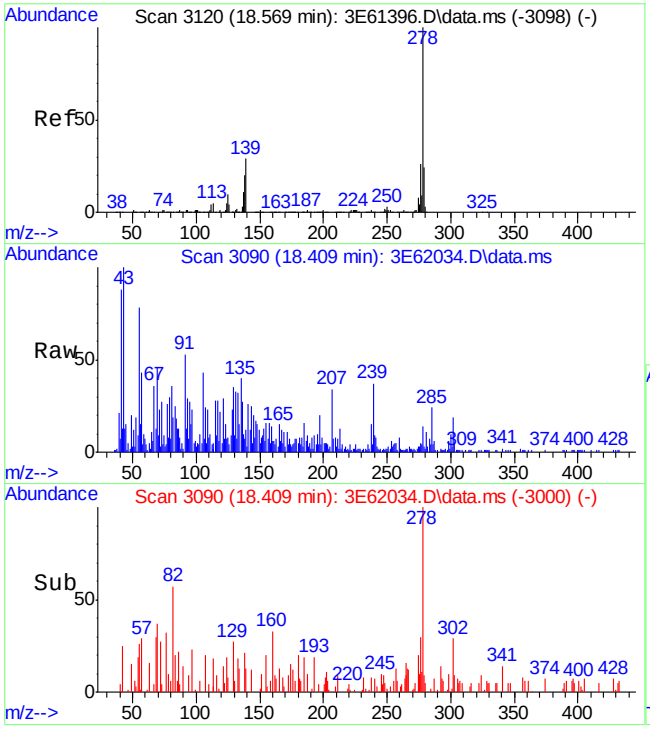


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.17 ppb m
RT: 18.366 min Scan# 3082
Delta R.T. -0.021 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:276 Resp: 8420

Ion	Ratio	Lower	Upper
276	100		
138	84.5	0.0	58.8#
137	95.9	0.0	52.1#

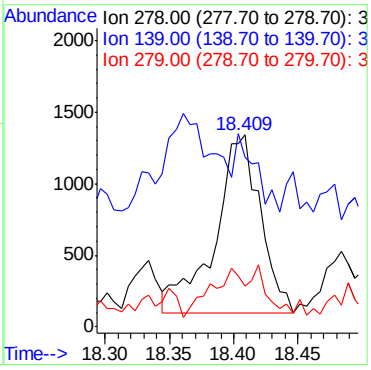


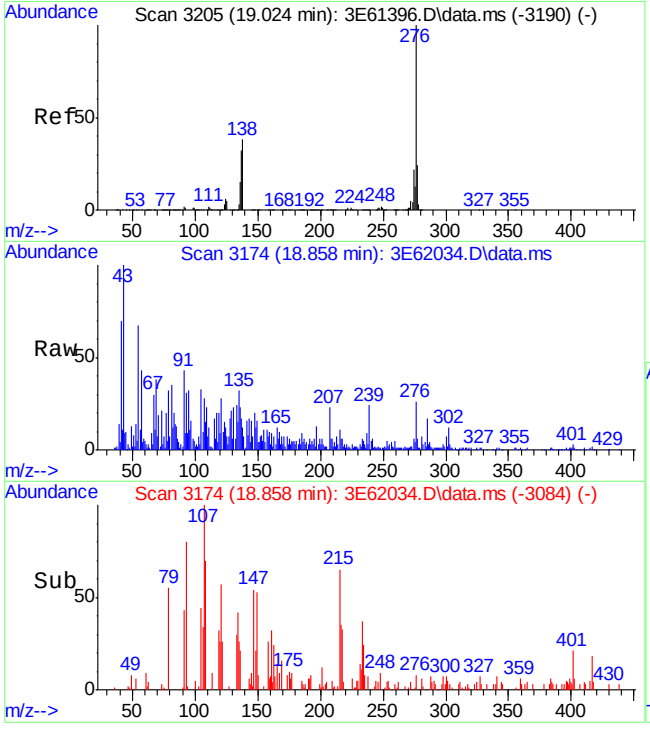


#99
Dibenz[a,h]anthracene
Concen: 0.44 ppb
RT: 18.409 min Scan# 3090
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:278 Resp: 3041

Ion	Ratio	Lower	Upper
278	100		
139	9.4	0.0	58.9
279	12.6	0.0	54.1

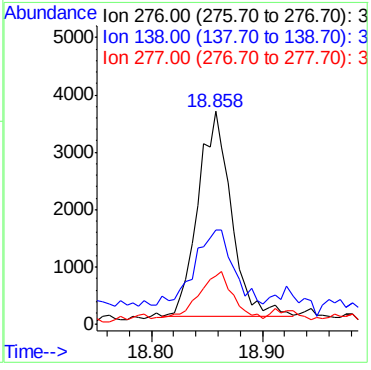


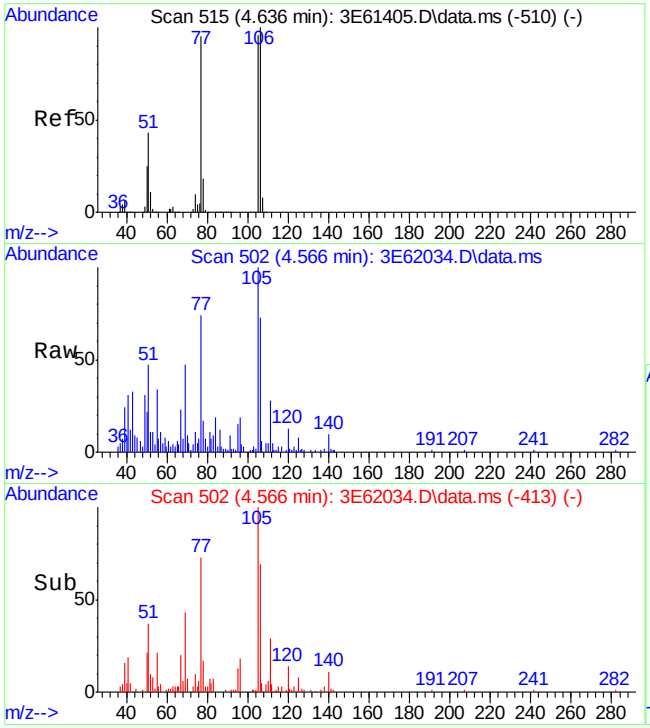


#101
Benzo[g,h,i]perylene
Concen: 1.06 ppb
RT: 18.858 min Scan# 3174
Delta R.T. -0.016 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:276 Resp: 7443

Ion	Ratio	Lower	Upper
276	100		
138	32.4	7.5	67.5
277	18.9	0.0	54.2

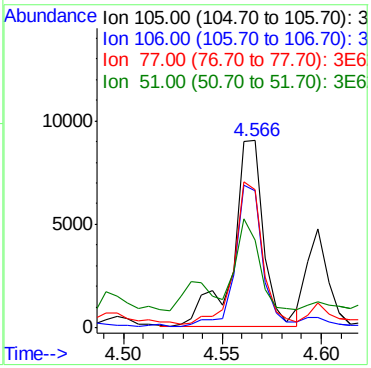




#103
Benzaldehyde
Concen: 2.55 ppb m
RT: 4.566 min Scan# 502
Delta R.T. -0.021 min
Lab File: 3E62034.D
Acq: 13 Jun 2014 1:21 pm

Tgt Ion:105 Resp: 9907

Ion	Ratio	Lower	Upper
105	100		
106	73.4	74.4	134.4#
77	73.9	69.2	129.2
51	46.8	14.5	74.5



Manual Integration Approval Summary

Sample Number: JB68173-13
Lab FileID: 3E62034.D
Injection Time: 06/13/14 13:21

Method: SW846 8270D
Analyst approved: 06/13/14 14:35 Olga Azarihn
Supervisor approved: 06/13/14 15:32 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzaldehyde	100-52-7		4.57	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		16.16	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.37	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61998.D
Acq On : 12 Jun 2014 7:48 pm
Operator : harpreek
Sample : jb68173-14
Misc : op75285,e3e2658,31.5,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 13 14:40:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.919	152	148015	40.00	ppb	-0.05
24) Naphthalene-d8	6.053	136	571569	40.00	ppb	-0.05
47) Acenaphthene-d10	8.177	164	283334	40.00	ppb	-0.06
69) Phenanthrene-d10	10.375	188	395062	40.00	ppb	-0.06
83) Chrysene-d12	14.579	240	300192	40.00	ppb	-0.06
92) Perylene-d12	16.719	264	251255	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.919	152	148015	40.00	ppb	-0.05
104) Acenaphthene-d10a	8.177	164	283334	40.00	ppb	-0.06
106) Phenanthrene-d10a	10.375	188	395062	40.00	ppb	-0.06
108) Chrysene-d12a	14.579	240	300192	40.00	ppb	-0.06
110) Naphthalene-d8a	6.091	136	4744	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.941	112	96745	19.34	ppb	-0.03
Spiked Amount 50.000			Recovery = 38.68%			
8) Phenol-d5	4.641	99	120215	19.40	ppb	-0.04
Spiked Amount 50.000			Recovery = 38.80%			
25) Nitrobenzene-d5	5.374	82	101914	20.58	ppb	-0.05
Spiked Amount 50.000			Recovery = 41.16%			
51) 2-Fluorobiphenyl	7.278	172	141870	16.32	ppb	-0.06
Spiked Amount 50.000			Recovery = 32.64%			
73) 2,4,6-Tribromophenol	9.321	330	12881	18.63	ppb	-0.06
Spiked Amount 50.000			Recovery = 37.26%			
85) Terphenyl-d14	12.937	244	97630	15.38	ppb	-0.06
Spiked Amount 50.000			Recovery = 30.76%			

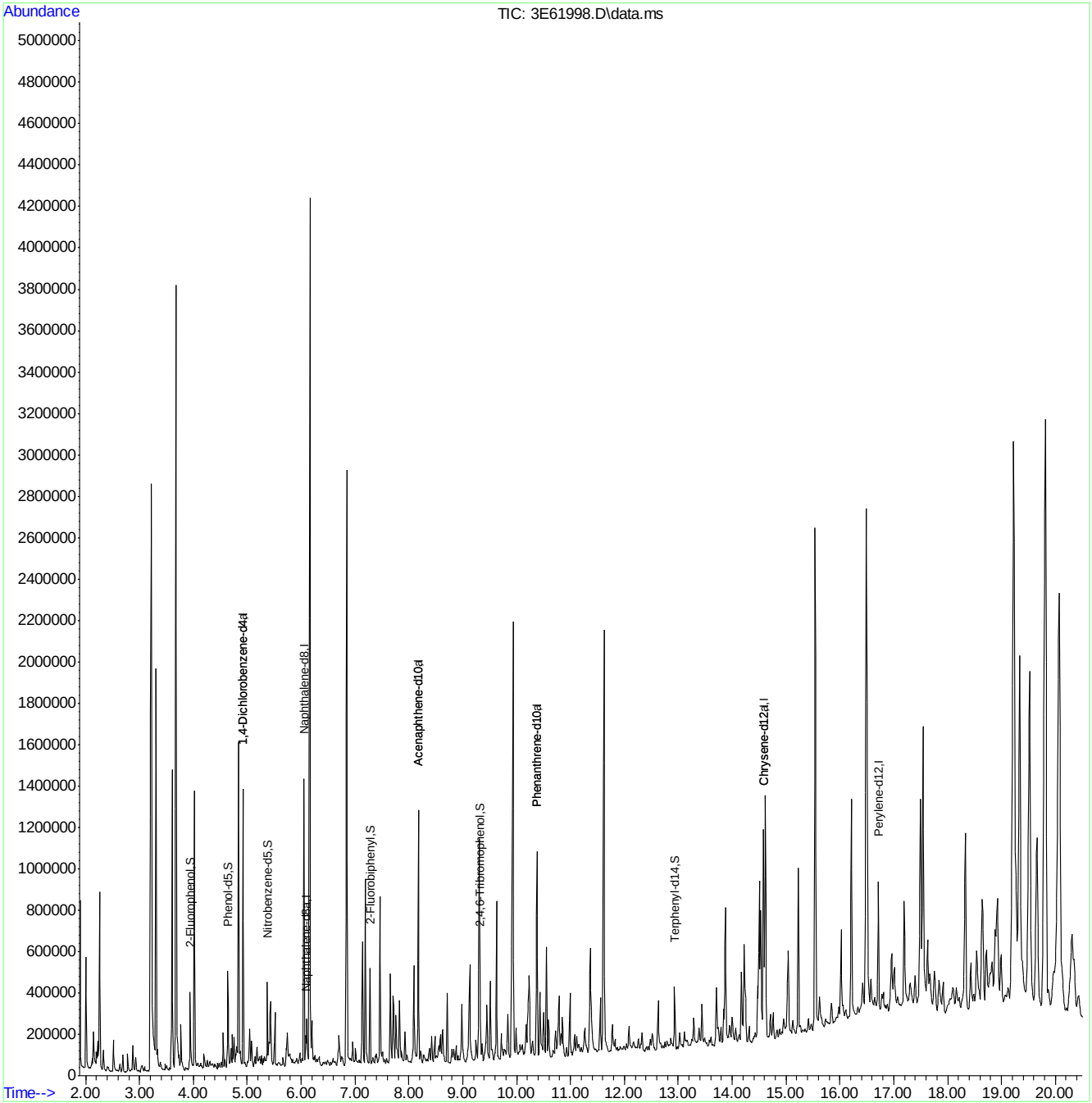
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61998.D
Acq On : 12 Jun 2014 7:48 pm
Operator : harpreek
Sample : jb68173-14
Misc : op75285,e3e2658,31.5,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 13 14:40:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92134.D
Acq On : 4 Jun 2014 8:05 pm
Operator : ashleyv
Sample : jb68173-15
Misc : op75302,ez4582,950
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 05 13:20:34 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 Jun 05 13:11:15 2014
Response via : Initial Calibration

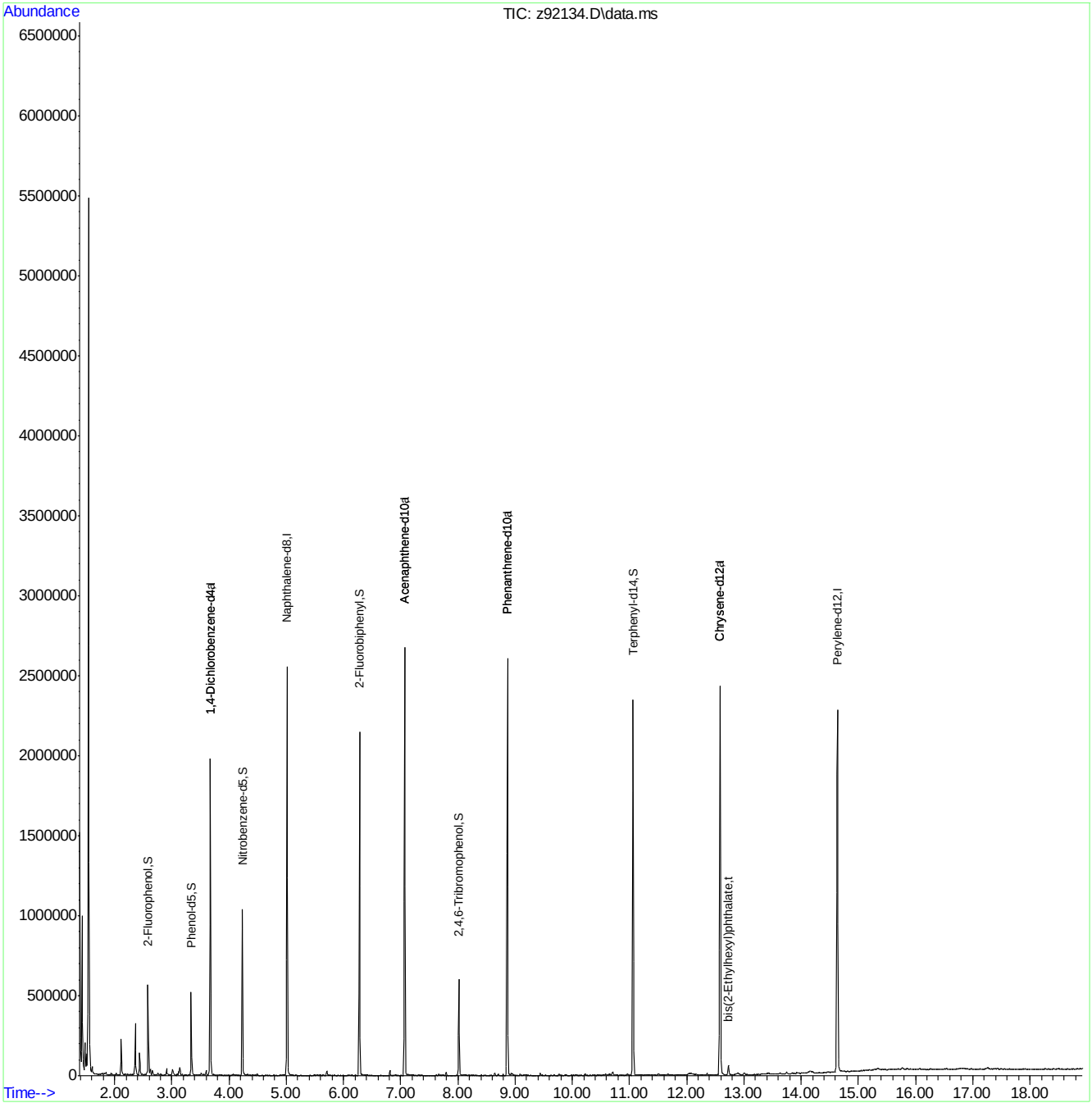
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.673	152	277786	40.00	ppb	0.00
24) Naphthalene-d8	5.014	136	1108657	40.00	ppb	0.00
47) Acenaphthene-d10	7.071	164	614888	40.00	ppb	0.00
69) Phenanthrene-d10	8.866	188	1037076	40.00	ppb	0.00
83) Chrysene-d12	12.584	240	1063083	40.00	ppb	-0.01
92) Perylene-d12	14.636	264	988625	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.673	152	277786	40.00	ppb	0.00
104) Phenanthrene-d10a	8.866	188	1037076	40.00	ppb	0.00
106) Chrysene-d12a	12.584	240	1063083	40.00	ppb	-0.01
108) Acenaphthene-d10a	7.071	164	614888	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.589	112	154677	16.29	ppb	0.00
Spiked Amount 50.000			Recovery = 32.58%			
8) Phenol-d5	3.337	99	159043	13.30	ppb	0.00
Spiked Amount 50.000			Recovery = 26.60%			
25) Nitrobenzene-d5	4.234	82	320108	32.76	ppb	0.00
Spiked Amount 50.000			Recovery = 65.52%			
51) 2-Fluorobiphenyl	6.280	172	628743	32.26	ppb	0.00
Spiked Amount 50.000			Recovery = 64.52%			
73) 2,4,6-Tribromophenol	8.022	330	71996	28.41	ppb	0.00
Spiked Amount 50.000			Recovery = 56.82%			
86) Terphenyl-d14	11.062	244	888454	41.56	ppb	0.00
Spiked Amount 50.000			Recovery = 83.12%			
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phtha...	12.729	149	20127	1.13	ppb	98

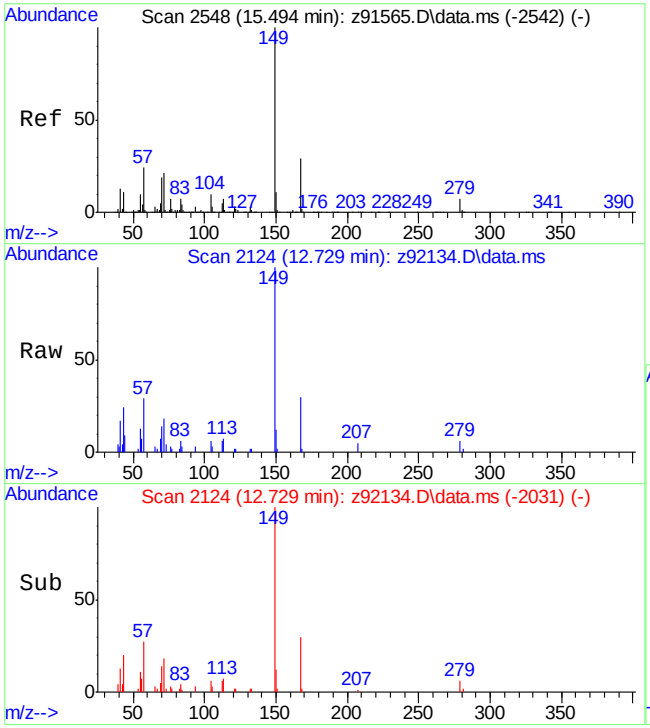
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92134.D
Acq On : 4 Jun 2014 8:05 pm
Operator : ashleyv
Sample : jb68173-15
Misc : op75302,ez4582,950
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 05 13:20:34 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 Jun 05 13:11:15 2014
Response via : Initial Calibration

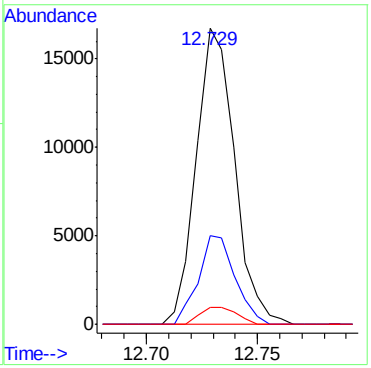




#91
bis(2-Ethylhexyl)phthalate
Concen: 1.13 ppb
RT: 12.729 min Scan# 2124
Delta R.T. -0.006 min
Lab File: z92134.D
Acq: 4 Jun 2014 8:05 pm

Tgt Ion:149 Resp: 20127

Ion	Ratio	Lower	Upper
149	100		
167	30.0	0.0	58.7
279	5.6	0.0	36.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92117.D
Acq On : 4 Jun 2014 11:00 am
Operator : ashleyv
Sample : op75302-mb1
Misc : op75302,ez4582,1000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 11:59:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 03 11:48:54 2014
Response via : Initial Calibration

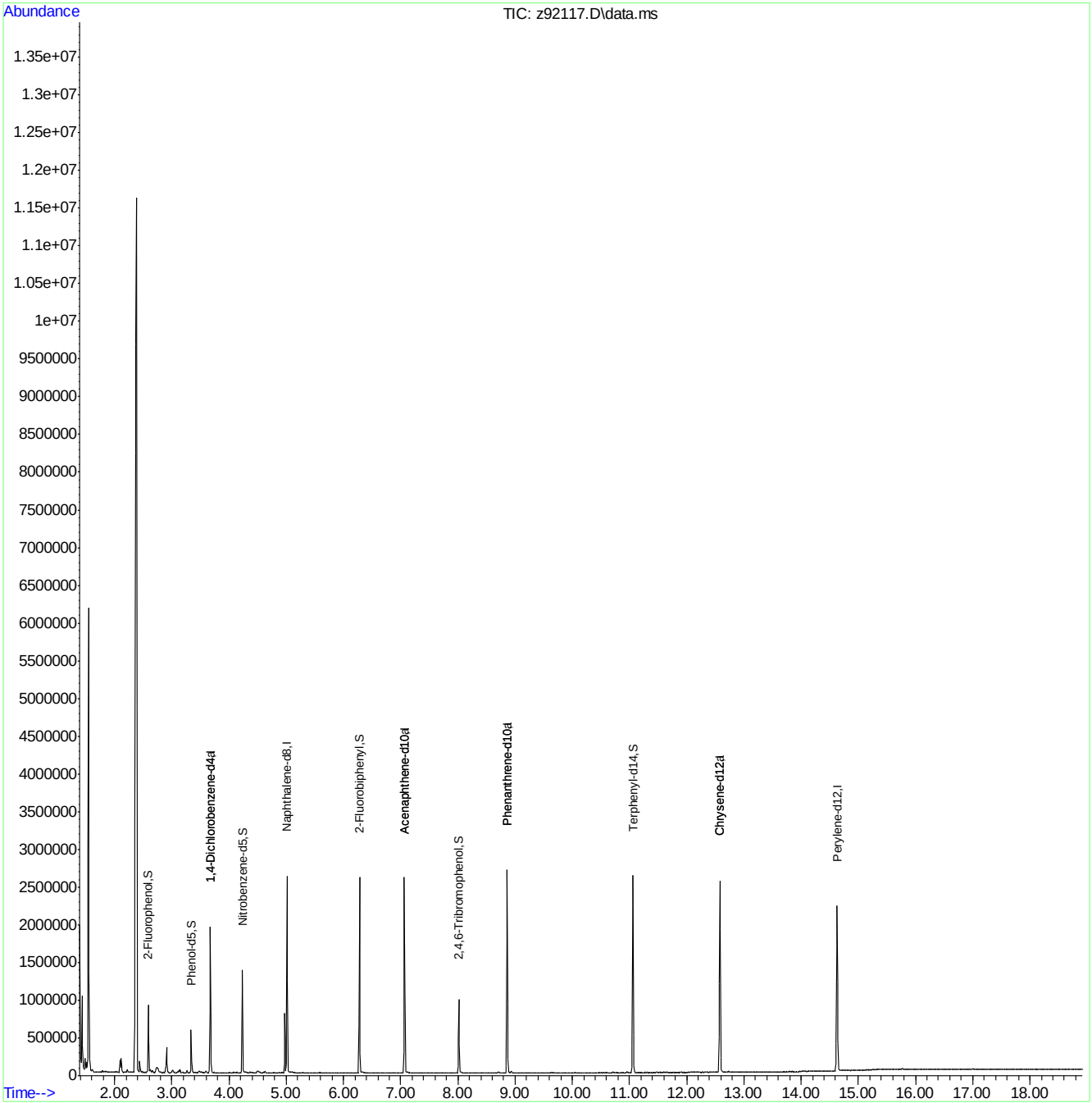
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.674	152	282551	40.00	ppb	-0.02
24) Naphthalene-d8	5.015	136	1109565	40.00	ppb	-0.02
47) Acenaphthene-d10	7.071	164	623512	40.00	ppb	-0.02
69) Phenanthrene-d10	8.861	188	1054619	40.00	ppb	-0.03
83) Chrysene-d12	12.585	240	1073749	40.00	ppb	-0.04
92) Perylene-d12	14.631	264	986360	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.674	152	282551	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.861	188	1054619	40.00	ppb	-0.03
106) Chrysene-d12a	12.585	240	1073749	40.00	ppb	-0.04
108) Acenaphthene-d10a	7.071	164	623512	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	2.589	112	204272	21.16	ppb	-0.02
Spiked Amount 50.000			Recovery = 42.32%			
8) Phenol-d5	3.337	99	176091	14.48	ppb	-0.02
Spiked Amount 50.000			Recovery = 28.96%			
25) Nitrobenzene-d5	4.235	82	396400	40.54	ppb	-0.02
Spiked Amount 50.000			Recovery = 81.08%			
51) 2-Fluorobiphenyl	6.281	172	756239	38.26	ppb	-0.03
Spiked Amount 50.000			Recovery = 76.52%			
73) 2,4,6-Tribromophenol	8.022	330	115925	44.98	ppb	-0.03
Spiked Amount 50.000			Recovery = 89.96%			
86) Terphenyl-d14	11.062	244	968825	44.86	ppb	-0.03
Spiked Amount 50.000			Recovery = 89.72%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92117.D
Acq On : 4 Jun 2014 11:00 am
Operator : ashleyv
Sample : op75302-mb1
Misc : op75302,ez4582,1000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 04 11:59:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 03 11:48:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61852.D
Acq On : 9 Jun 2014 1:23 pm
Operator : saumilp
Sample : op75285-mb1
Misc : op75285,e3e2653,35.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 11 17:36:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

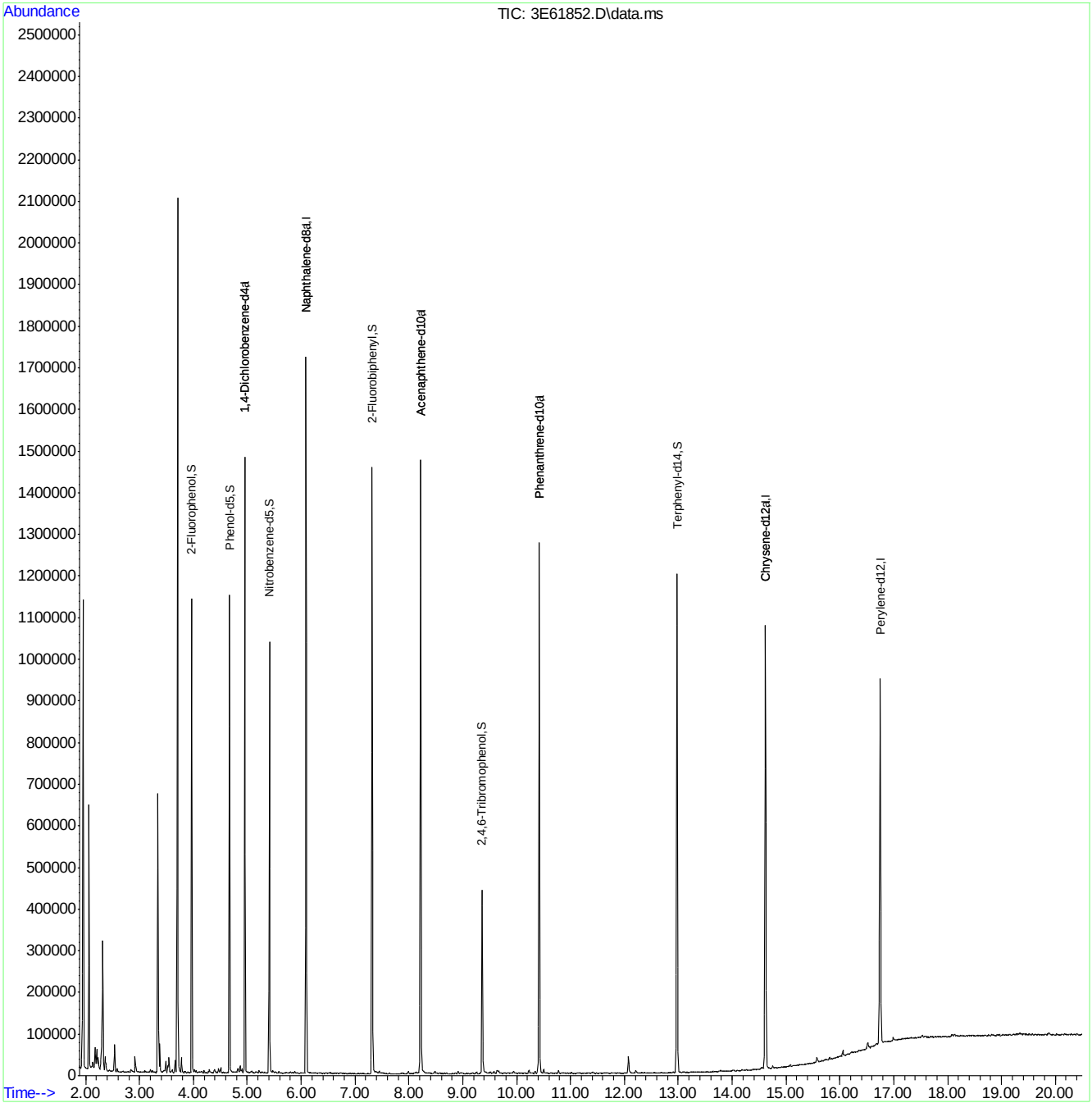
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	190150	40.00	ppb	-0.02
24) Naphthalene-d8	6.091	136	715039	40.00	ppb	-0.03
47) Acenaphthene-d10	8.220	164	376240	40.00	ppb	-0.04
69) Phenanthrene-d10	10.418	188	558576	40.00	ppb	-0.04
83) Chrysene-d12	14.616	240	455025	40.00	ppb	-0.04
92) Perylene-d12	16.751	264	371453	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	4.957	152	190150	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.220	164	376240	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.418	188	558576	40.00	ppb	-0.04
108) Chrysene-d12a	14.616	240	455025	40.00	ppb	-0.04
110) Naphthalene-d8a	6.091	136	715039	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	258910	40.29	ppb	-0.01
Spiked Amount 50.000			Recovery =	80.58%		
8) Phenol-d5	4.668	99	316541	39.76	ppb	-0.01
Spiked Amount 50.000			Recovery =	79.52%		
25) Nitrobenzene-d5	5.411	82	274538	44.31	ppb	-0.03
Spiked Amount 50.000			Recovery =	88.62%		
51) 2-Fluorobiphenyl	7.316	172	502816	43.56	ppb	-0.04
Spiked Amount 50.000			Recovery =	87.12%		
73) 2,4,6-Tribromophenol	9.364	330	53984	55.22	ppb	-0.03
Spiked Amount 50.000			Recovery =	110.44%		
85) Terphenyl-d14	12.980	244	457490	47.54	ppb	-0.03
Spiked Amount 50.000			Recovery =	95.08%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61852.D
Acq On : 9 Jun 2014 1:23 pm
Operator : saumilp
Sample : op75285-mb1
Misc : op75285,e3e2653,35.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 11 17:36:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92397.D
Acq On : 11 Jun 2014 12:58 pm
Operator : harpreek
Sample : op75285-mb1
Misc : op75285,ez4593,35.0,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 11 22:46:08 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

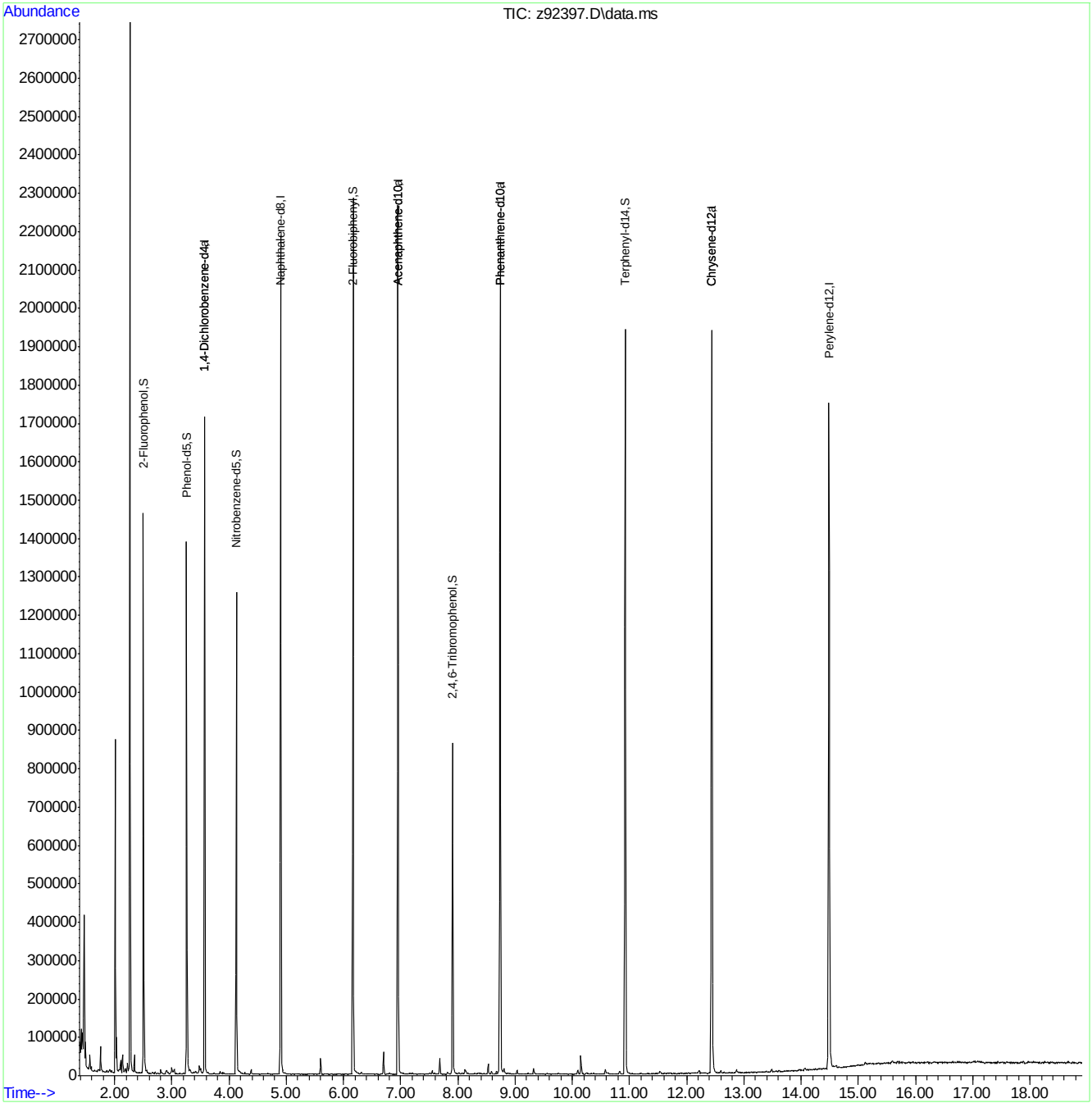
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	225289	40.00	ppb	0.00
24) Naphthalene-d8	4.902	136	896528	40.00	ppb	0.00
47) Acenaphthene-d10	6.954	164	489941	40.00	ppb	0.00
69) Phenanthrene-d10	8.738	188	817006	40.00	ppb	0.00
83) Chrysene-d12	12.440	240	815388	40.00	ppb	0.00
92) Perylene-d12	14.486	264	747998	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	225289	40.00	ppb	0.00
104) Phenanthrene-d10a	8.738	188	817006	40.00	ppb	0.00
106) Chrysene-d12a	12.440	240	815388	40.00	ppb	0.00
108) Acenaphthene-d10a	6.954	164	489941	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.504	112	308173	40.03	ppb	0.00
Spiked Amount 50.000			Recovery = 80.06%			
8) Phenol-d5	3.257	99	394812	40.72	ppb	0.00
Spiked Amount 50.000			Recovery = 81.44%			
25) Nitrobenzene-d5	4.128	82	361157	45.71	ppb	0.00
Spiked Amount 50.000			Recovery = 91.42%			
51) 2-Fluorobiphenyl	6.168	172	633959	40.82	ppb	0.00
Spiked Amount 50.000			Recovery = 81.64%			
73) 2,4,6-Tribromophenol	7.905	330	89967	45.07	ppb	0.00
Spiked Amount 50.000			Recovery = 90.14%			
86) Terphenyl-d14	10.928	244	751599	45.83	ppb	0.00
Spiked Amount 50.000			Recovery = 91.66%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92397.D
Acq On : 11 Jun 2014 12:58 pm
Operator : harpreek
Sample : op75285-mb1
Misc : op75285,ez4593,35.0,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 11 22:46:08 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 Jun 11 22:23:22 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw 06/05/14 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92118.D
Acq On : 4 Jun 2014 11:26 am
Operator : ashleyv
Sample : op75302-bs1
Misc : op75302,ez4582,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:07:49 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 Jun 03 11:48:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.674	152	268919	40.00	ppb	-0.02
24) Naphthalene-d8	5.015	136	1047977	40.00	ppb	-0.02
47) Acenaphthene-d10	7.072	164	578285	40.00	ppb	-0.02
69) Phenanthrene-d10	8.867	188	968728	40.00	ppb	-0.03
83) Chrysene-d12	12.590	240	966270	40.00	ppb	-0.03
92) Perylene-d12	14.636	264	922534	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.674	152	268919	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.867	188	968728	40.00	ppb	-0.03
106) Chrysene-d12a	12.590	240	966270	40.00	ppb	-0.03
108) Acenaphthene-d10a	7.072	164	578285	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	2.589	112	241589	26.29	ppb	-0.02
Spiked Amount 50.000			Recovery = 52.58%			
8) Phenol-d5	3.337	99	231180	19.97	ppb	-0.02
Spiked Amount 50.000			Recovery = 39.94%			
25) Nitrobenzene-d5	4.235	82	373245	40.42	ppb	-0.02
Spiked Amount 50.000			Recovery = 80.84%			
51) 2-Fluorobiphenyl	6.281	172	719469	39.25	ppb	-0.03
Spiked Amount 50.000			Recovery = 78.50%			
73) 2,4,6-Tribromophenol	8.022	330	134032	56.62	ppb	-0.03
Spiked Amount 50.000			Recovery = 113.24%			
86) Terphenyl-d14	11.062	244	978741	50.37	ppb	-0.03
Spiked Amount 50.000			Recovery = 100.74%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.665	88	81210	17.64	ppb	99
3) Pyridine	1.825	79	230117	19.29	ppb	100
4) N-Nitrosodimethylamine	1.799	74	146349	22.69	ppb	95
6) Indene	3.930	116	612744	33.65	ppb	98
7) Cumene	2.974	105	617341	23.97	ppb	99
9) Phenol	3.353	94	257476	19.82	ppb	86
10) Aniline	3.369	93	510292	36.15	ppb	89
11) bis(2-Chloroethyl)ether	3.417	93	344312	37.82	ppb	99
12) 2-Chlorophenol	3.487	128	365155	35.26	ppb	99
13) Decane	3.514	43	210344	17.08	ppb	94
14) 1,3-Dichlorobenzene	3.626	146	214174	19.20	ppb	98
15) 1,4-Dichlorobenzene	3.690	146	226009	19.78	ppb	99
16) Benzyl alcohol	3.813	108	258303	41.41	ppb	100
17) 1,2-Dichlorobenzene	3.845	146	230428	21.52	ppb	100
18) Acetophenone	4.074	105	592129	39.77	ppb	97
19) 2-Methylphenol	3.936	108	309685	35.51	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.941	121	109289	36.33	ppb	99
21) 3&4-Methylphenol	4.091	108	323184	34.53	ppb	100
22) n-Nitroso-di-n-propyla...	4.074	70	275920	42.05	ppb	94
23) Hexachloroethane	4.187	201	59640	16.89	ppb	94
26) Nitrobenzene	4.256	77	396598	38.85	ppb	97
27) Quinoline	5.421	129	950542	45.28	ppb	99
28) Isophorone	4.507	82	727249	43.13	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92118.D
Acq On : 4 Jun 2014 11:26 am
Operator : ashleyv
Sample : op75302-bs1
Misc : op75302,ez4582,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:07:49 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 Jun 03 11:48:54 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.598	139	206089	43.11	ppb		84
30)	2,4-Dimethylphenol	4.662	107	370718	46.50	ppb		98
31)	Benzoic Acid	4.774	105	53391	11.97	ppb	#	64
32)	bis(2-Chloroethoxy)met...	4.753	93	451793	44.07	ppb		99
33)	2,4-Dichlorophenol	4.870	162	314681	43.05	ppb		99
34)	2,6-Dichlorophenol	5.122	162	305217	42.58	ppb		100
36)	1,2,4-Trichlorobenzene	4.956	180	209613	24.08	ppb		98
38)	Naphthalene	5.036	128	883019	30.21	ppb		99
39)	4-Chloroaniline	5.116	127	480134	41.65	ppb		99
40)	2,3-Dichloroaniline	6.179	161	440922	44.06	ppb		99
41)	Caprolactam	5.496	55	75544	15.51	ppb		97
42)	Hexachlorobutadiene	5.191	225	87943	18.69	ppb		99
43)	4-Chloro-3-methylphenol	5.704	107	353661	45.54	ppb		97
44)	2-Methylnaphthalene	5.837	141	658326	41.46	ppb		99
45)	1-Methylnaphthalene	5.950	141	701623	40.11	ppb		98
46)	Dimethylnaphthalene	6.580	156	747371	42.17	ppb		100
48)	Hexachlorocyclopentadiene	6.035	237	263667	57.68	ppb		100
49)	2,4,6-Trichlorophenol	6.190	196	230689	45.97	ppb		97
50)	2,4,5-Trichlorophenol	6.233	196	258491	48.56	ppb		99
52)	2-Chloronaphthalene	6.409	162	610433	35.48	ppb		99
53)	Biphenyl	6.393	154	1017280	41.59	ppb		100
54)	2-Nitroaniline	6.553	65	256934	54.46	ppb		100
55)	Dimethylphthalate	6.783	163	891482	48.53	ppb		99
56)	Acenaphthylene	6.901	152	982357	36.35	ppb		100
57)	2,6-Dinitrotoluene	6.842	165	201686	53.57	ppb		98
58)	3-Nitroaniline	7.045	138	226815	47.67	ppb		94
59)	Acenaphthene	7.109	153	722518	42.25	ppb		100
60)	2,4-Dinitrophenol	7.168	184	219492	87.15	ppb		83
61)	4-Nitrophenol	7.301	109	74738	34.71	ppb	#	62
62)	Dibenzofuran	7.317	168	1086673	45.81	ppb		87
63)	2,4-Dinitrotoluene	7.328	165	276614	53.83	ppb		94
64)	2,3,4,6-Tetrachlorophenol	7.483	232	202789	47.06	ppb		96
65)	Diethylphthalate	7.632	149	912273	51.01	ppb		100
66)	Fluorene	7.729	166	869500	46.87	ppb		98
67)	4-Chlorophenyl-phenyle...	7.745	204	408862	47.10	ppb		96
68)	4-Nitroaniline	7.787	138	261291	54.79	ppb		95
70)	4,6-Dinitro-2-methylph...	7.819	198	148091	47.63	ppb		95
71)	n-Nitrosodiphenylamine	7.894	169	632507	51.54	ppb		99
72)	1,2-Diphenylhydrazine	7.932	77	915240	47.95	ppb		95
74)	4-Bromophenyl-phenylether	8.327	248	248965	50.05	ppb		93
75)	Hexachlorobenzene	8.396	284	290511	48.95	ppb		97
76)	Pentachlorophenol	8.653	266	150043	49.72	ppb		96
77)	Phenanthrene	8.893	178	1313347	46.61	ppb		100
78)	Anthracene	8.957	178	1332496	48.79	ppb		99
79)	Carbazole	9.187	167	1291097	45.64	ppb		100
80)	Di-n-butylphthalate	9.684	149	1553295	55.90	ppb		99
81)	Fluoranthene	10.480	202	1403071	51.14	ppb		96
82)	Octadecane	8.792	57	640114	48.12	ppb		95
84)	Pyrene	10.795	202	1468194	49.83	ppb		97
87)	Butylbenzylphthalate	11.821	149	686564	57.78	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92118.D
Acq On : 4 Jun 2014 11:26 am
Operator : ashleyv
Sample : op75302-bs1
Misc : op75302,ez4582,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:07:49 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 Jun 03 11:48:54 2014
Response via : Initial Calibration

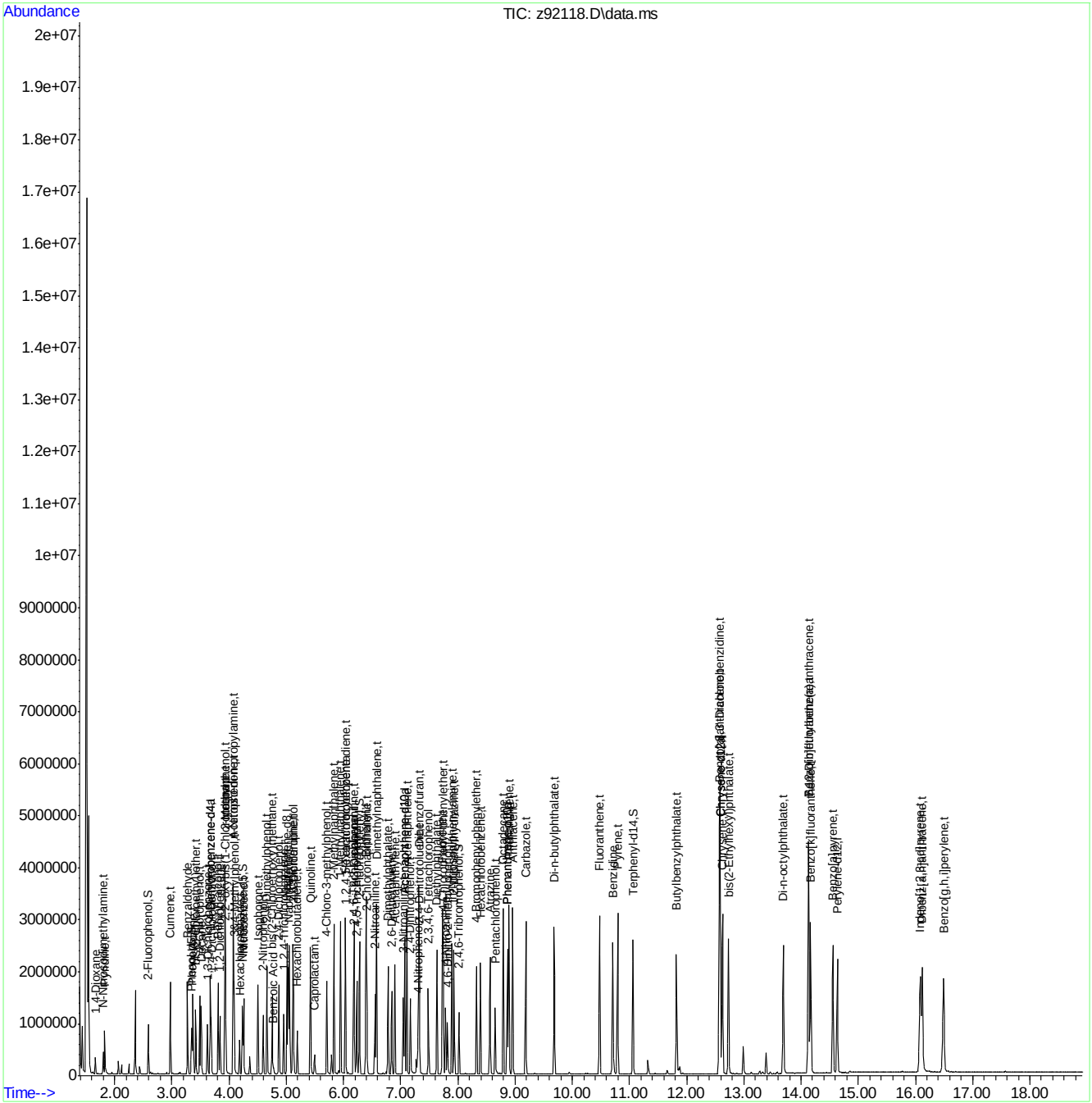
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.574	228	1335736	50.27	ppb	99
89)	3,3'-Dichlorobenzidine	12.585	252	764222	87.48	ppb	99
90)	Chrysene	12.627	228	1352009	51.25	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.734	149	944365	58.52	ppb	99
93)	Di-n-octylphthalate	13.691	149	1615763	52.14	ppb	99
94)	Benzo[b]fluoranthene	14.129	252	1427689	51.93	ppb	97
95)	Benzo[k]fluoranthene	14.171	252	1346804	47.43	ppb	97
96)	Benzo[a]pyrene	14.556	252	1251350	51.24	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.084	276	1237171	52.52	ppb	95
99)	Dibenz[a,h]anthracene	16.116	278	1274872	51.32	ppb	98
100)	7,12-Dimethylbenz(a)an...	14.129	256	600662	56.10	ppb	99
101)	Benzo[g,h,i]perylene	16.490	276	1263554	51.49	ppb	96
103)	Benzaldehyde	3.273	105	305463	48.38	ppb	85
105)	Atrazine	8.562	215	144262m	66.34	ppb	
107)	Benzidine	10.710	184	1115937	112.49	ppb	99
109)	1,2,4,5-Tetrachloroben...	6.040	216	244425	35.01	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92118.D
Acq On : 4 Jun 2014 11:26 am
Operator : ashleyv
Sample : op75302-bs1
Misc : op75302,ez4582,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:07:49 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 Jun 03 11:48:54 2014
Response via : Initial Calibration



MZ4569.M Wed Jun 04 14:08:25 2014 RTE Page: 4

Manual Integration Approval Summary

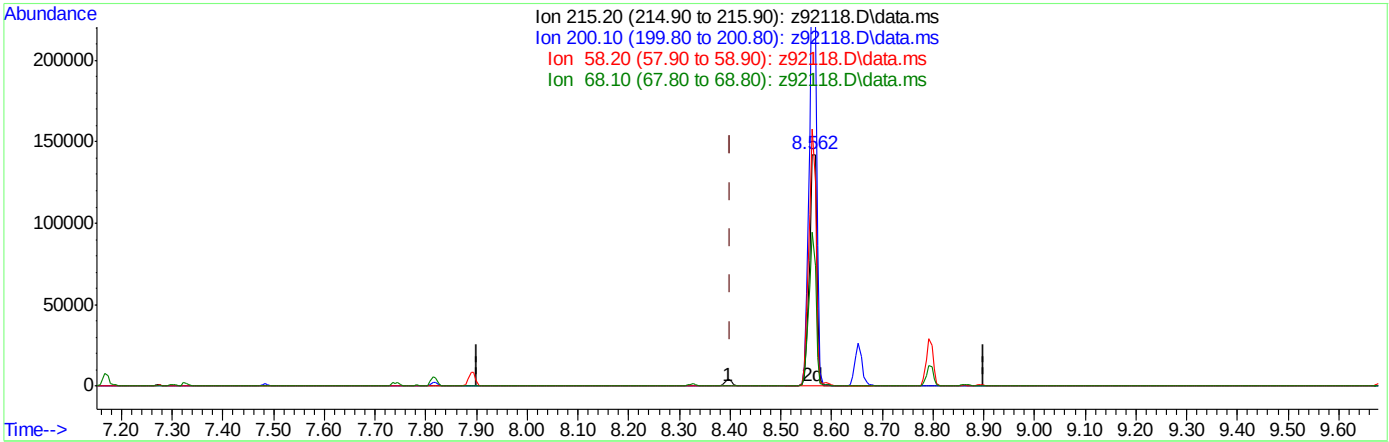
Sample Number:	OP75302-BS1	**Method:**	SW846 8270D
Lab FileID:	Z92118.D	**Analyst approved:**	06/04/14 14:09 Ashley Royal
Injection Time:	06/04/14 11:26	**Supervisor approved:**	06/05/14 15:05 Jennifer Laidlaw

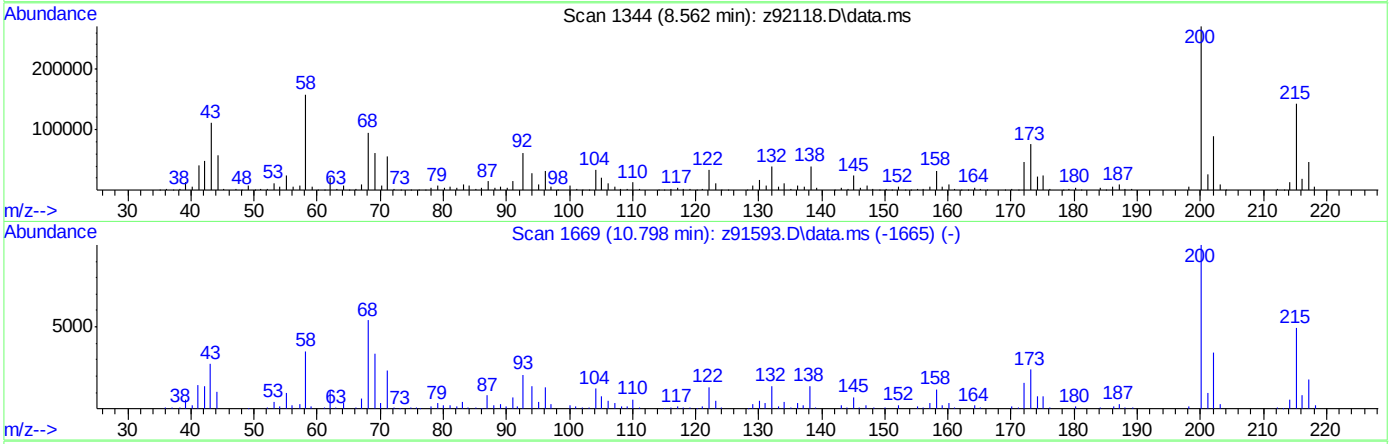
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		8.56	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92118.D
Acq On : 4 Jun 2014 11:26 am
Operator : ashleyv
Sample : op75302-bs1
Misc : op75302,ez4582,1000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 14:03:04 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 Jun 03 11:48:54 2014
Response via : Initial Calibration





TIC: z92118.D\data.ms

(105) Atrazine

8.562min (+0.161) 66.34ppb m

response 144262

Ion	Exp%	Act%
215.20	100	100
200.10	203.20	190.05
58.20	71.10	111.03#
68.10	110.10	66.69#

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/12/14 12:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61853.D
Acq On : 9 Jun 2014 1:51 pm
Operator : saumilp
Sample : op75285-bs1
Misc : op75285,e3e2653,35.0
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 13:15:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	188427	40.00	ppb	-0.02
24) Naphthalene-d8	6.091	136	772862	40.00	ppb	-0.03
47) Acenaphthene-d10	8.220	164	323367	40.00	ppb	-0.04
69) Phenanthrene-d10	10.423	188	464481	40.00	ppb	-0.03
83) Chrysene-d12	14.622	240	373679	40.00	ppb	-0.04
92) Perylene-d12	16.756	264	312426	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	4.957	152	188427	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.220	164	323367	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.423	188	464481	40.00	ppb	-0.03
108) Chrysene-d12a	14.622	240	373679	40.00	ppb	-0.03
110) Naphthalene-d8a	6.091	136	772862	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	257673	40.47	ppb	-0.01
Spiked Amount 50.000			Recovery = 80.94%			
8) Phenol-d5	4.673	99	315788	40.03	ppb	0.00
Spiked Amount 50.000			Recovery = 80.06%			
25) Nitrobenzene-d5	5.412	82	259247	38.71	ppb	-0.03
Spiked Amount 50.000			Recovery = 77.42%			
51) 2-Fluorobiphenyl	7.321	172	404034	40.72	ppb	-0.03
Spiked Amount 50.000			Recovery = 81.44%			
73) 2,4,6-Tribromophenol	9.364	330	39604	48.71	ppb	-0.03
Spiked Amount 50.000			Recovery = 97.42%			
85) Terphenyl-d14	12.980	244	361731	45.78	ppb	-0.03
Spiked Amount 50.000			Recovery = 91.56%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.555	88	93338	27.48	ppb	94
3) Pyridine	2.866	79	265608	31.82	ppb	86
4) N-Nitrosodimethylamine	2.823	74	186518	40.19	ppb	83
6) Indene	5.166	116	521104	41.60	ppb	100
7) Cumene	4.353	105	689409	39.07	ppb	98
9) Phenol	4.684	94	342542	37.68	ppb	97
10) Aniline	4.700	93	305729	31.59	ppb	100
11) bis(2-Chloroethyl)ether	4.743	93	267211	41.77	ppb	100
12) 2-Chlorophenol	4.796	128	257466	36.48	ppb	99
13) Decane	4.823	43	329797	43.14	ppb	92
14) 1,3-Dichlorobenzene	4.914	146	284404	37.71	ppb	99
15) 1,4-Dichlorobenzene	4.968	146	279788	37.32	ppb	98
16) Benzyl alcohol	5.064	108	187452	41.37	ppb	99
17) 1,2-Dichlorobenzene	5.096	146	263011	37.86	ppb	98
18) Acetophenone	5.283	105	391118	39.50	ppb	95
19) 2-Methylphenol	5.155	108	224469	37.28	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.166	121	95388	40.14	ppb #	82
21) 3&4-Methylphenol	5.278	108	235873	36.96	ppb	98
22) n-Nitroso-di-n-propyla...	5.278	70	186321	42.39	ppb	96
23) Hexachloroethane	5.379	201	80270	39.12	ppb	99
26) Nitrobenzene	5.433	77	269747	35.91	ppb	100
27) Quinoline	6.465	129	532999	34.65	ppb	99
28) Isophorone	5.642	82	455253	35.38	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61853.D
Acq On : 9 Jun 2014 1:51 pm
Operator : saumilp
Sample : op75285-bs1
Misc : op75285,e3e2653,35.0
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 13:15:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.716	139	129932	35.91	ppb	95
30) 2,4-Dimethylphenol	5.749	107	197260	34.69	ppb	99
31) Benzoic acid	5.839	105	149744m	30.56	ppb	
32) bis(2-Chloroethoxy)met...	5.834	93	288658	37.42	ppb	99
33) 2,4-Dichlorophenol	5.952	162	175116	32.90	ppb	99
34) 2,6-Dichlorophenol	6.176	162	163566	31.67	ppb	98
36) 1,2,4-Trichlorobenzene	6.032	180	189528	32.47	ppb	98
38) Naphthalene	6.112	128	713145	34.13	ppb	100
39) 4-Chloroaniline	6.160	127	216151	24.77	ppb	98
40) 2,3-Dichloroaniline	7.214	161	223205	30.74	ppb	99
41) Caprolactam	6.545	55	135840	38.86	ppb	97
42) Hexachlorobutadiene	6.241	225	89201	33.52	ppb	99
43) 4-Chloro-3-methylphenol	6.690	107	189320	33.54	ppb	99
44) 2-Methylnaphthalene	6.872	141	412736	33.96	ppb	99
45) 1-Methylnaphthalene	6.989	141	445388	33.53	ppb	98
46) Dimethylnaphthalene	7.653	156	432554	32.65	ppb	100
48) Hexachlorocyclopentadiene	7.070	237	216338	97.93	ppb	97
49) 2,4,6-Trichlorophenol	7.219	196	103799	40.77	ppb	97
50) 2,4,5-Trichlorophenol	7.268	196	104189	39.07	ppb	98
52) 2-Chloronaphthalene	7.476	162	356683	38.98	ppb	98
53) Biphenyl	7.449	154	571664	41.05	ppb	99
54) 2-Nitroaniline	7.605	65	144327	49.99	ppb	94
55) Dimethylphthalate	7.856	163	405116	41.77	ppb	99
56) Acenaphthylene	8.022	152	526035	35.36	ppb	99
57) 2,6-Dinitrotoluene	7.931	165	93080	41.57	ppb	96
58) 3-Nitroaniline	8.161	138	101646	38.30	ppb	95
59) Acenaphthene	8.268	153	407311	42.79	ppb	99
60) 2,4-Dinitrophenol	8.311	184	82829	78.32	ppb	76
61) 4-Nitrophenol	8.418	109	54693	40.21	ppb	94
62) Dibenzofuran	8.508	168	514738	40.54	ppb	98
63) 2,4-Dinitrotoluene	8.498	165	124424	40.52	ppb	88
64) 2,3,4,6-Tetrachlorophenol	8.696	232	74296	39.36	ppb	96
65) Diethylphthalate	8.867	149	417406	43.53	ppb	99
66) Fluorene	9.006	166	446765	42.61	ppb	100
67) 4-Chlorophenyl-phenyle...	9.017	204	181294	41.97	ppb	96
68) 4-Nitroaniline	9.043	138	121154	44.58	ppb	95
70) 4,6-Dinitro-2-methylph...	9.097	198	51426	40.37	ppb	96
71) n-Nitrosodiphenylamine	9.193	169	289526	43.97	ppb	99
72) 1,2-Diphenylhydrazine	9.252	77	490113	46.87	ppb	94
74) 4-Bromophenyl-phenylether	9.749	248	92384	42.75	ppb	94
75) Hexachlorobenzene	9.846	284	90066	39.67	ppb	95
76) Pentachlorophenol	10.150	266	53476	38.69	ppb	99
77) Phenanthrene	10.461	178	530687	40.50	ppb	99
78) Anthracene	10.536	178	543787	42.46	ppb	99
79) Carbazole	10.803	167	551109	38.79	ppb	100
80) Di-n-butylphthalate	11.413	149	708625	48.44	ppb	100
81) Fluoranthene	12.333	202	568664	42.74	ppb	99
82) Octadecane	10.343	57	396477	53.58	ppb	94
84) Pyrene	12.686	202	570517	44.69	ppb	99
86) Butylbenzylphthalate	13.798	149	304024	44.10	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61853.D
Acq On : 9 Jun 2014 1:51 pm
Operator : saumilp
Sample : op75285-bs1
Misc : op75285,e3e2653,35.0
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 13:15:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

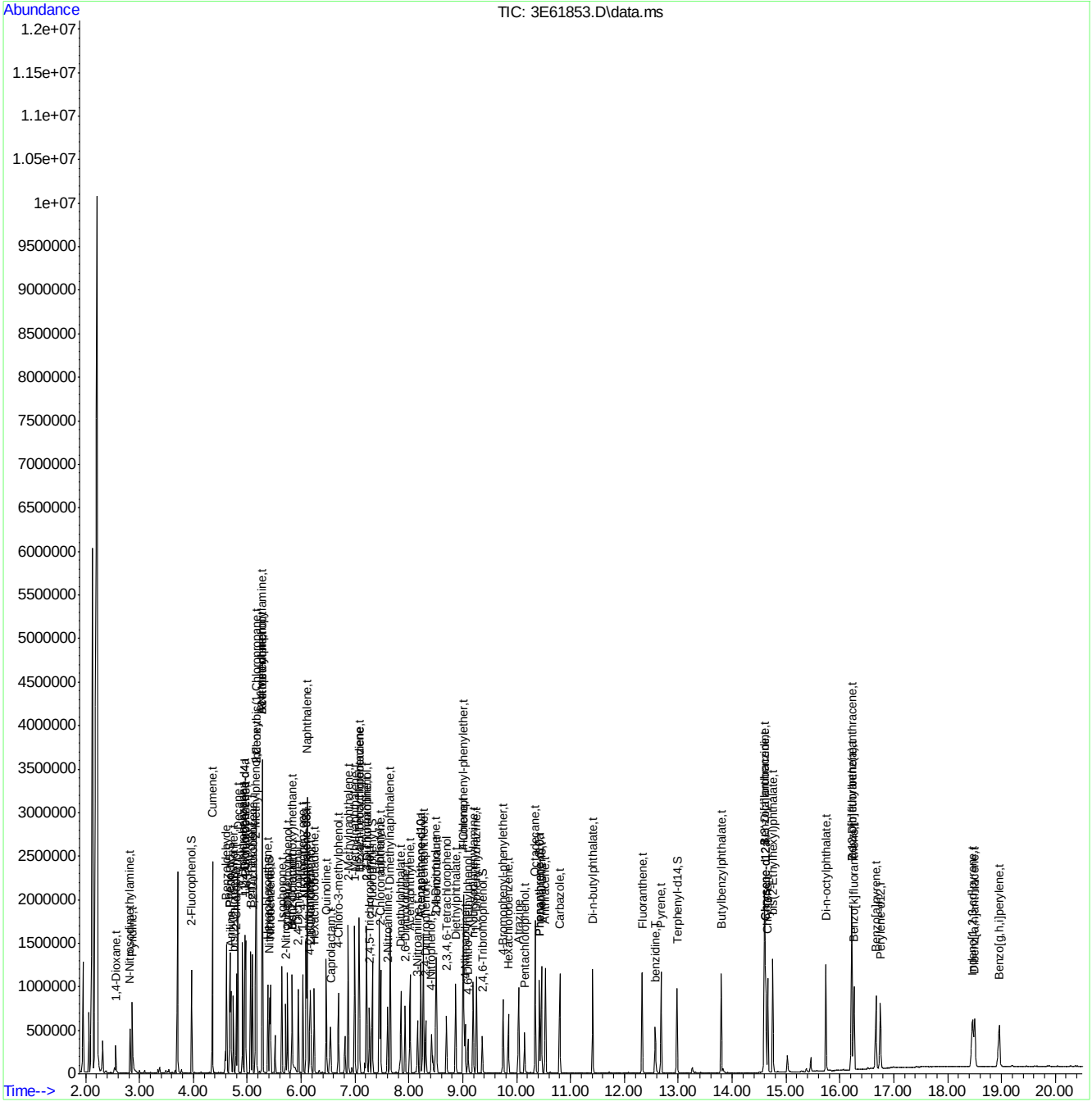
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
88) Benzo[a]anthracene	14.606	228	490282	42.44 ppb	99
89) 3,3'-Dichlorobenzidine	14.601	252	303797	74.91 ppb	98
90) Chrysene	14.665	228	419669	44.18 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.756	149	397519	51.83 ppb	99
93) Di-n-octylphthalate	15.740	149	702212	46.10 ppb	96
94) Benzo[b]fluoranthene	16.221	252	476282	45.13 ppb	99
95) Benzo[k]fluoranthene	16.264	252	392253	41.32 ppb	99
96) Benzo[a]pyrene	16.670	252	384936	44.38 ppb	98
97) Indeno[1,2,3-cd]pyrene	18.462	276	380548	42.92 ppb	99
99) Dibenz[a,h]anthracene	18.500	278	354604	41.56 ppb	98
100) 7,12-Dimethylbenz(a)an...	16.221	256	255859	45.49 ppb	98
101) Benzo[g,h,i]perylene	18.960	276	362225	42.18 ppb	99
103) Benzaldehyde	4.615	105	219629	43.62 ppb	96
105) 1,2,4,5-Tetrachloroben...	7.080	216	152598	38.88 ppb	100
107) Atrazine	10.038	215	62171	51.29 ppb	91
109) benzidine	12.573	184	248094	36.11 ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61853.D
Acq On : 9 Jun 2014 1:51 pm
Operator : saumilp
Sample : op75285-bs1
Misc : op75285,e3e2653,35.0
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 13:15:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Manual Integration Approval Summary

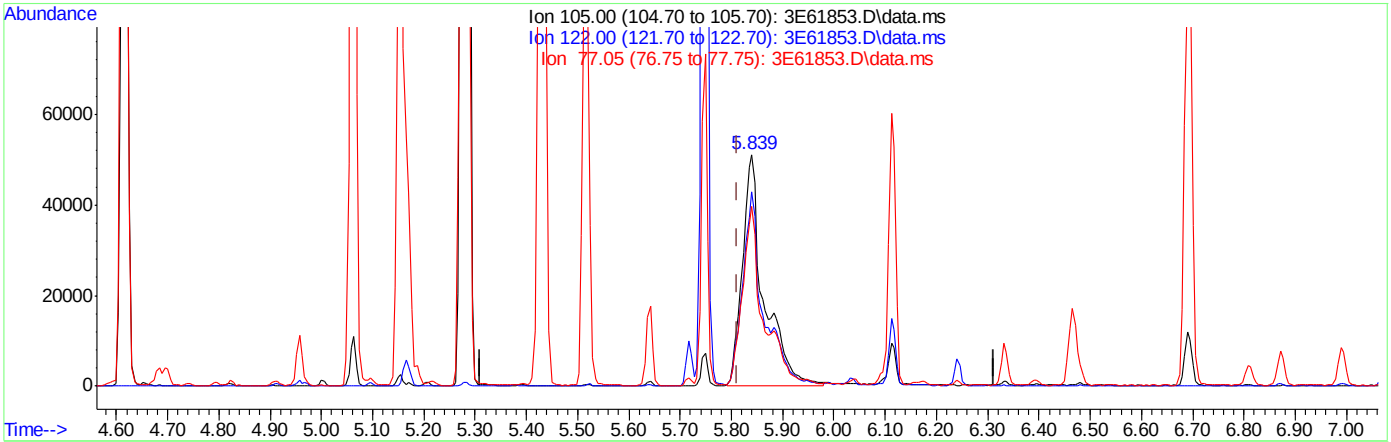
Sample Number:	OP75285-BS1	**Method:**	SW846 8270D
Lab FileID:	3E61853.D	**Analyst approved:**	06/10/14 13:15 Olga Azarihn
Injection Time:	06/09/14 13:51	**Supervisor approved:**	06/12/14 12:38 Kristin Weiler

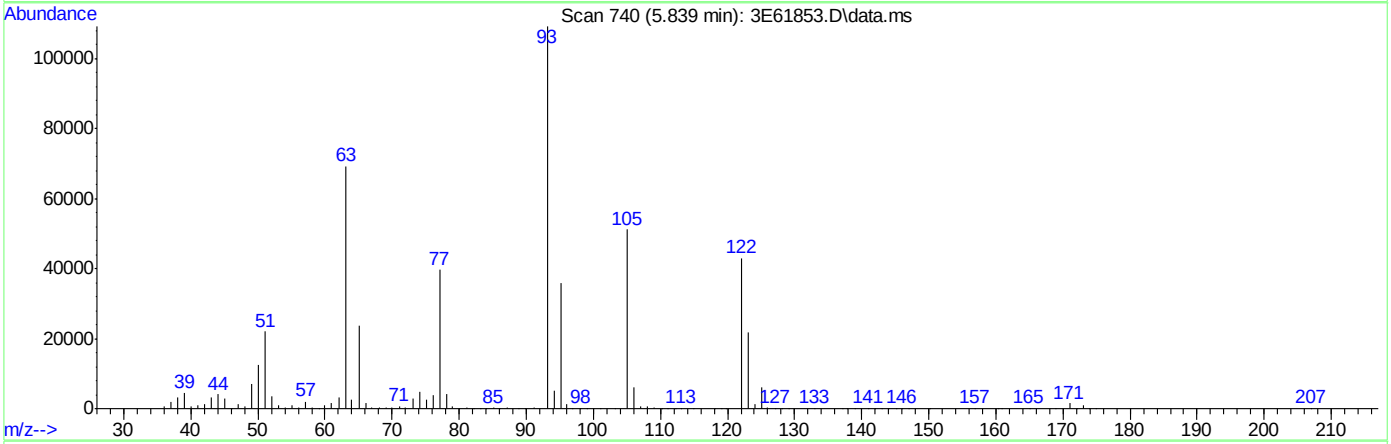
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.84	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61853.D
Acq On : 9 Jun 2014 1:51 pm
Operator : saumilp
Sample : op75285-bs1
Misc : op75285,e3e2653,35.0
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 13:15:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration





TIC: 3E61853.D\data.ms

(31) Benzoic acid (t)

5.839min (+0.027) 30.56ppb m

response 149744

Ion	Exp%	Act%
105.00	100	100
122.00	79.50	83.98
77.05	72.10	77.53
0.00	0.00	0.00

9.3.2.2

9

ACCUTEST LABORATORIES JB68173

3E61853.D edits: Benzoic acid

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw 06/05/14 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92129.D
Acq On : 4 Jun 2014 5:55 pm
Operator : ashleyv
Sample : op75302-ms
Misc : op75302,ez4582,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 13:12:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 05 13:11:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.679	152	273498	40.00	ppb	0.00
24) Naphthalene-d8	5.015	136	1083776	40.00	ppb	0.00
47) Acenaphthene-d10	7.071	164	601732	40.00	ppb	0.00
69) Phenanthrene-d10	8.866	188	1013113	40.00	ppb	0.00
83) Chrysene-d12	12.595	240	994938	40.00	ppb	0.00
92) Perylene-d12	14.641	264	959191	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.679	152	273498	40.00	ppb	0.00
104) Phenanthrene-d10a	8.866	188	1013113	40.00	ppb	0.00
106) Chrysene-d12a	12.595	240	994938	40.00	ppb	0.00
108) Acenaphthene-d10a	7.071	164	601732	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.589	112	370400	39.63	ppb	0.00
Spiked Amount 50.000			Recovery = 79.26%			
8) Phenol-d5	3.342	99	398727	33.87	ppb	0.00
Spiked Amount 50.000			Recovery = 67.74%			
25) Nitrobenzene-d5	4.235	82	456546	47.80	ppb	0.00
Spiked Amount 50.000			Recovery = 95.60%			
51) 2-Fluorobiphenyl	6.281	172	849722	44.55	ppb	0.00
Spiked Amount 50.000			Recovery = 89.10%			
73) 2,4,6-Tribromophenol	8.022	330	144214	58.25	ppb	0.00
Spiked Amount 50.000			Recovery = 116.50%			
86) Terphenyl-d14	11.062	244	1059319	52.94	ppb	0.00
Spiked Amount 50.000			Recovery = 105.88%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.665	88	135193	28.87	ppb	98
3) Pyridine	1.825	79	184914	15.24	ppb	95
4) N-Nitrosodimethylamine	1.799	74	242175	36.92	ppb	91
6) Indene	3.930	116	770808	41.62	ppb	99
7) Cumene	2.974	105	880024	33.59	ppb	100
9) Phenol	3.353	94	455176	34.45	ppb	84
10) Aniline	3.369	93	455283	31.72	ppb	70
11) bis(2-Chloroethyl)ether	3.417	93	427001	46.11	ppb	100
12) 2-Chlorophenol	3.487	128	443242	42.09	ppb	98
13) Decane	3.513	43	344227	27.48	ppb	94
14) 1,3-Dichlorobenzene	3.626	146	373243	32.91	ppb	98
15) 1,4-Dichlorobenzene	3.695	146	377796	32.51	ppb	98
16) Benzyl alcohol	3.813	108	315980	49.81	ppb	95
17) 1,2-Dichlorobenzene	3.845	146	372785	34.23	ppb	98
18) Acetophenone	4.074	105	697405	46.06	ppb	98
19) 2-Methylphenol	3.935	108	373867	42.16	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.941	121	135924	44.43	ppb	93
21) 3&4-Methylphenol	4.096	108	400784	42.10	ppb	98
22) n-Nitroso-di-n-propyla...	4.074	70	323315	48.45	ppb	93
23) Hexachloroethane	4.187	201	118132	32.89	ppb	94
26) Nitrobenzene	4.256	77	474192	44.91	ppb	95
27) Quinoline	5.421	129	1046893	48.22	ppb	99
28) Isophorone	4.507	82	833967	47.82	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92129.D
Acq On : 4 Jun 2014 5:55 pm
Operator : ashleyv
Sample : op75302-ms
Misc : op75302,ez4582,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 13:12:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 05 13:11:15 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.598	139	236796	47.90	ppb		82
30)	2,4-Dimethylphenol	4.662	107	391819	47.52	ppb		97
31)	Benzoic Acid	4.796	105	138694	30.06	ppb	#	62
32)	bis(2-Chloroethoxy)met...	4.753	93	524635	49.48	ppb		99
33)	2,4-Dichlorophenol	4.870	162	352172	46.59	ppb		99
34)	2,6-Dichlorophenol	5.121	162	341012	46.00	ppb		99
36)	1,2,4-Trichlorobenzene	4.956	180	329301	36.58	ppb		98
38)	Naphthalene	5.041	128	1196598	39.59	ppb		100
39)	4-Chloroaniline	5.116	127	390773	32.78	ppb		98
40)	2,3-Dichloroaniline	6.179	161	469738	45.39	ppb		99
41)	Caprolactam	5.506	55	142463	28.29	ppb		98
42)	Hexachlorobutadiene	5.191	225	170684	35.08	ppb		99
43)	4-Chloro-3-methylphenol	5.709	107	391699	48.77	ppb		100
44)	2-Methylnaphthalene	5.837	141	750481	45.70	ppb		98
45)	1-Methylnaphthalene	5.955	141	807709	44.65	ppb		100
46)	Dimethylnaphthalene	6.580	156	845513	46.13	ppb		100
48)	Hexachlorocyclopentadiene	6.035	237	315664	66.36	ppb		100
49)	2,4,6-Trichlorophenol	6.190	196	254905	48.81	ppb		98
50)	2,4,5-Trichlorophenol	6.238	196	274874	49.62	ppb		100
52)	2-Chloronaphthalene	6.409	162	763652	42.66	ppb		98
53)	Biphenyl	6.398	154	1150719	45.21	ppb		99
54)	2-Nitroaniline	6.553	65	278483	56.73	ppb		97
55)	Dimethylphthalate	6.783	163	963343	50.40	ppb		99
56)	Acenaphthylene	6.900	152	1133889	40.32	ppb		99
57)	2,6-Dinitrotoluene	6.847	165	215157	54.92	ppb		96
58)	3-Nitroaniline	7.045	138	203800	41.16	ppb		93
59)	Acenaphthene	7.109	153	839613	47.19	ppb		99
60)	2,4-Dinitrophenol	7.173	184	220518	84.52	ppb		88
61)	4-Nitrophenol	7.301	109	105281	46.99	ppb	#	64
62)	Dibenzofuran	7.322	168	1181576	47.87	ppb		89
63)	2,4-Dinitrotoluene	7.328	165	295060	55.18	ppb		87
64)	2,3,4,6-Tetrachlorophenol	7.488	232	213782	47.67	ppb		99
65)	Diethylphthalate	7.632	149	968937	52.07	ppb		99
66)	Fluorene	7.728	166	950403	49.23	ppb		98
67)	4-Chlorophenyl-phenyle...	7.744	204	445703	49.34	ppb		95
68)	4-Nitroaniline	7.787	138	269588	54.33	ppb		95
70)	4,6-Dinitro-2-methylph...	7.819	198	148304	45.61	ppb		98
71)	n-Nitrosodiphenylamine	7.894	169	678955	52.90	ppb		99
72)	1,2-Diphenylhydrazine	7.931	77	1004204	50.31	ppb		94
74)	4-Bromophenyl-phenylether	8.332	248	270369	51.98	ppb		97
75)	Hexachlorobenzene	8.396	284	306410	49.37	ppb		94
76)	Pentachlorophenol	8.653	266	157276	49.84	ppb		99
77)	Phenanthrene	8.898	178	1397553	47.43	ppb		100
78)	Anthracene	8.962	178	1440264	50.42	ppb		100
79)	Carbazole	9.187	167	1369264	46.28	ppb		99
80)	Di-n-butylphthalate	9.684	149	1687028	58.05	ppb		99
81)	Fluoranthene	10.485	202	1494251	52.08	ppb		94
82)	Octadecane	8.797	57	711629	51.15	ppb		96
84)	Pyrene	10.795	202	1534207	50.57	ppb		100
87)	Butylbenzylphthalate	11.826	149	733915	59.99	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92129.D
Acq On : 4 Jun 2014 5:55 pm
Operator : ashleyv
Sample : op75302-ms
Misc : op75302,ez4582,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 13:12:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 05 13:11:15 2014
Response via : Initial Calibration

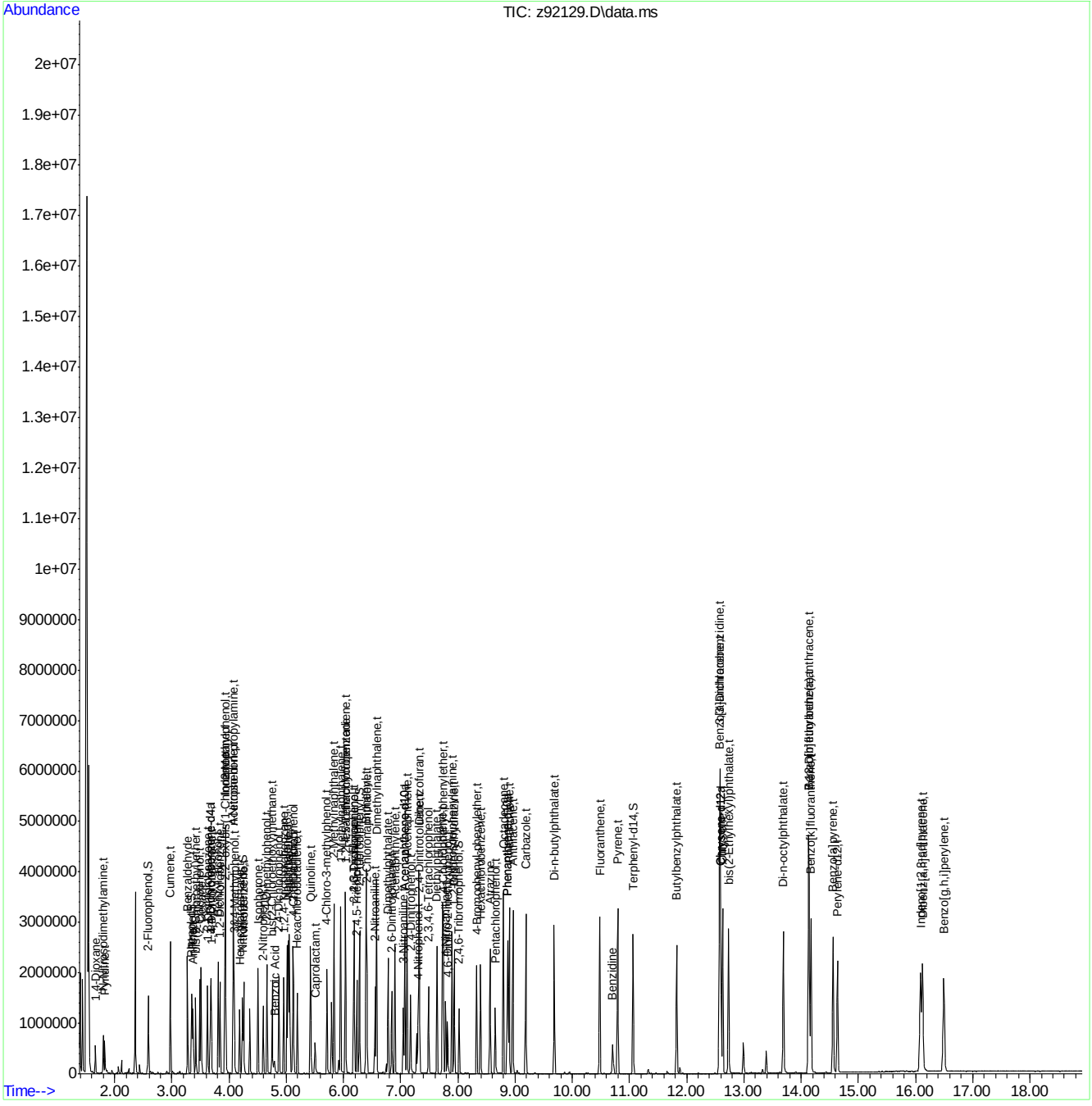
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.579	228	1409174	51.50	ppb	99
89)	3,3'-Dichlorobenzidine	12.585	252	800991	89.05	ppb	99
90)	Chrysene	12.633	228	1417198	52.17	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.734	149	1017970	61.26	ppb	98
93)	Di-n-octylphthalate	13.690	149	1748474	53.95	ppb	99
94)	Benzo[b]fluoranthene	14.134	252	1465644	51.27	ppb	98
95)	Benzo[k]fluoranthene	14.171	252	1465009	49.62	ppb	99
96)	Benzo[a]pyrene	14.561	252	1324777	52.17	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.089	276	1312882	53.60	ppb	96
99)	Dibenz[a,h]anthracene	16.121	278	1366009	52.88	ppb	97
100)	7,12-Dimethylbenz(a)an...	14.134	256	664520	59.70	ppb	99
101)	Benzo[g,h,i]perylene	16.495	276	1338644	52.46	ppb	96
103)	Benzaldehyde	3.273	105	405305	63.12	ppb	86
105)	Atrazine	8.567	215	155926m	69.60	ppb	
107)	Benzidine	10.704	184	258038	25.26	ppb	99
109)	1,2,4,5-Tetrachloroben...	6.040	216	326780	44.98	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92129.D
Acq On : 4 Jun 2014 5:55 pm
Operator : ashleyv
Sample : op75302-ms
Misc : op75302,ez4582,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 13:12:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 05 13:11:15 2014
Response via : Initial Calibration



Manual Integration Approval Summary

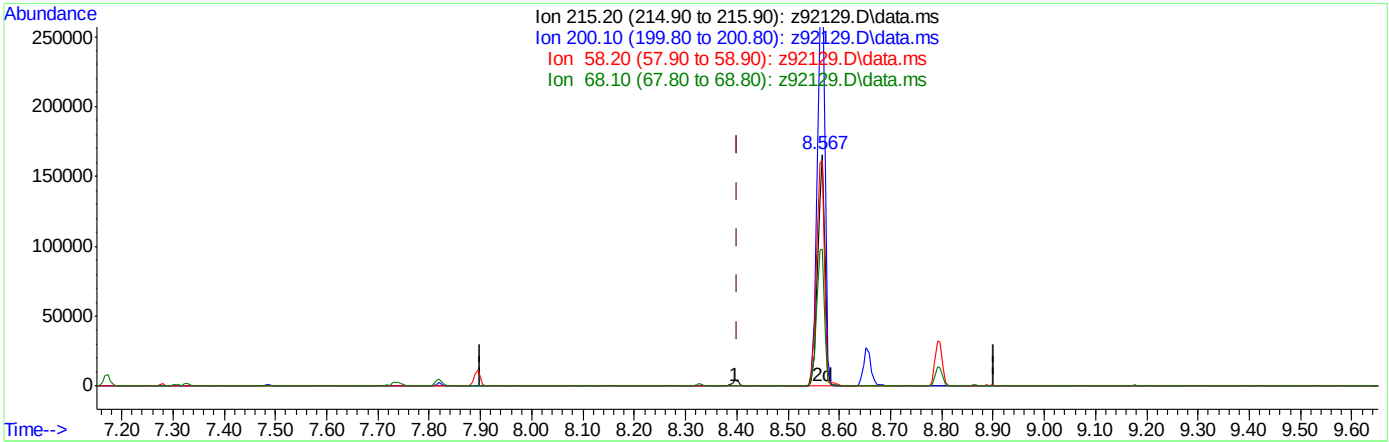
Sample Number:	OP75302-MS	**Method:**	SW846 8270D
Lab FileID:	Z92129.D	**Analyst approved:**	06/05/14 13:21 Ashley Royal
Injection Time:	06/04/14 17:55	**Supervisor approved:**	06/05/14 15:12 Jennifer Laidlaw

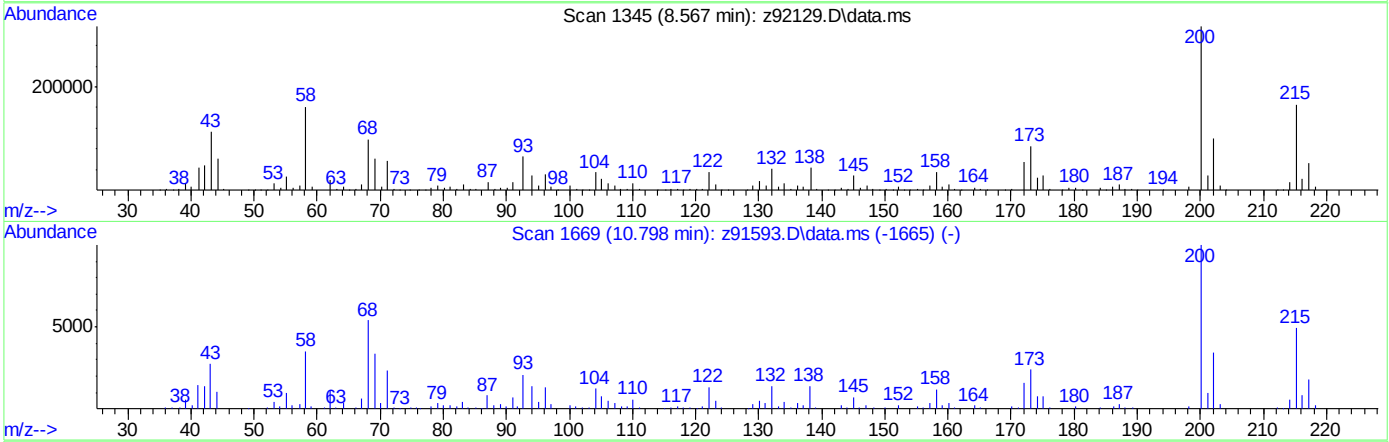
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		8.57	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92129.D
Acq On : 4 Jun 2014 5:55 pm
Operator : ashleyv
Sample : op75302-ms
Misc : op75302,ez4582,500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 05 13:11:30 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 Jun 05 13:11:15 2014
Response via : Initial Calibration





TIC: z92129.D\data.ms

(105) Atrazine

8.567min (+0.166) 69.60ppb m

response 155926

Ion	Exp%	Act%
215.20	100	100
200.10	203.20	191.46
58.20	71.10	97.57
68.10	110.10	59.21#

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
06/05/14 15:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92130.D
Acq On : 4 Jun 2014 6:21 pm
Operator : ashleyv
Sample : op75302-msd
Misc : op75302,ez4582,500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 13:13:26 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 Jun 05 13:11:15 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.679	152	284655	40.00	ppb	0.00
24) Naphthalene-d8	5.015	136	1122607	40.00	ppb	0.00
47) Acenaphthene-d10	7.071	164	626520	40.00	ppb	0.00
69) Phenanthrene-d10	8.866	188	1036088	40.00	ppb	0.00
83) Chrysene-d12	12.595	240	1037401	40.00	ppb	0.00
92) Perylene-d12	14.641	264	997521	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.679	152	284655	40.00	ppb	0.00
104) Phenanthrene-d10a	8.866	188	1036088	40.00	ppb	0.00
106) Chrysene-d12a	12.595	240	1037401	40.00	ppb	0.00
108) Acenaphthene-d10a	7.071	164	626520	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.589	112	384768	39.56	ppb	0.00
Spiked Amount 50.000			Recovery =	79.12%		
8) Phenol-d5	3.342	99	414150	33.80	ppb	0.00
Spiked Amount 50.000			Recovery =	67.60%		
25) Nitrobenzene-d5	4.235	82	469407	47.45	ppb	0.00
Spiked Amount 50.000			Recovery =	94.90%		
51) 2-Fluorobiphenyl	6.281	172	876706	44.14	ppb	0.00
Spiked Amount 50.000			Recovery =	88.28%		
73) 2,4,6-Tribromophenol	8.028	330	150394	59.40	ppb	0.00
Spiked Amount 50.000			Recovery =	118.80%		
86) Terphenyl-d14	11.062	244	1094187	52.45	ppb	0.00
Spiked Amount 50.000			Recovery =	104.90%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.665	88	148807	30.53	ppb	97
3) Pyridine	1.825	79	342858	27.15	ppb	98
4) N-Nitrosodimethylamine	1.798	74	262425	38.44	ppb	92
6) Indene	3.930	116	812623	42.16	ppb	98
7) Cumene	2.974	105	955854	35.06	ppb	99
9) Phenol	3.353	94	489098	35.57	ppb	85
10) Aniline	3.374	93	501136	33.54	ppb	99
11) bis(2-Chloroethyl)ether	3.417	93	443168	45.98	ppb	99
12) 2-Chlorophenol	3.487	128	464374	42.37	ppb	98
13) Decane	3.513	43	373699	28.67	ppb	94
14) 1,3-Dichlorobenzene	3.626	146	383970	32.53	ppb	98
15) 1,4-Dichlorobenzene	3.695	146	392266	32.44	ppb	97
16) Benzyl alcohol	3.812	108	331820	50.26	ppb	96
17) 1,2-Dichlorobenzene	3.845	146	383706	33.85	ppb	98
18) Acetophenone	4.074	105	712802	45.23	ppb	97
19) 2-Methylphenol	3.935	108	396601	42.97	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.941	121	141613	44.48	ppb	95
21) 3&4-Methylphenol	4.090	108	432711	43.67	ppb	100
22) n-Nitroso-di-n-propyla...	4.074	70	331590	47.74	ppb	92
23) Hexachloroethane	4.186	201	118924	31.82	ppb	93
26) Nitrobenzene	4.256	77	484607	44.31	ppb	96
27) Quinoline	5.420	129	1090097	48.48	ppb	99
28) Isophorone	4.507	82	857306	47.46	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92130.D
Acq On : 4 Jun 2014 6:21 pm
Operator : ashleyv
Sample : op75302-msd
Misc : op75302,ez4582,500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 13:13:26 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 Jun 05 13:11:15 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.598	139	254998	49.80	ppb		84
30)	2,4-Dimethylphenol	4.662	107	436494	51.11	ppb		98
31)	Benzoic Acid	4.795	105	132810	27.79	ppb	#	69
32)	bis(2-Chloroethoxy)met...	4.753	93	546398	49.75	ppb		99
33)	2,4-Dichlorophenol	4.870	162	376189	48.04	ppb		99
34)	2,6-Dichlorophenol	5.121	162	362759	47.24	ppb		99
36)	1,2,4-Trichlorobenzene	4.956	180	339622	36.42	ppb		99
38)	Naphthalene	5.036	128	1220904	38.99	ppb		99
39)	4-Chloroaniline	5.116	127	371420	30.08	ppb		98
40)	2,3-Dichloroaniline	6.179	161	484792	45.22	ppb		99
41)	Caprolactam	5.506	55	147008	28.18	ppb		97
42)	Hexachlorobutadiene	5.191	225	166781	33.09	ppb		99
43)	4-Chloro-3-methylphenol	5.709	107	419086	50.37	ppb		99
44)	2-Methylnaphthalene	5.837	141	780786	45.90	ppb		97
45)	1-Methylnaphthalene	5.955	141	842758	44.97	ppb		99
46)	Dimethylnaphthalene	6.580	156	879174	46.31	ppb		99
48)	Hexachlorocyclopentadiene	6.035	237	347710	70.20	ppb		98
49)	2,4,6-Trichlorophenol	6.190	196	270679	49.78	ppb		97
50)	2,4,5-Trichlorophenol	6.238	196	297440	51.57	ppb		99
52)	2-Chloronaphthalene	6.409	162	794856	42.65	ppb		98
53)	Biphenyl	6.398	154	1197749	45.20	ppb		100
54)	2-Nitroaniline	6.553	65	293328	57.39	ppb		96
55)	Dimethylphthalate	6.783	163	1012681	50.88	ppb		99
56)	Acenaphthylene	6.900	152	1193139	40.75	ppb		100
57)	2,6-Dinitrotoluene	6.847	165	229778	56.33	ppb		95
58)	3-Nitroaniline	7.045	138	197182	38.25	ppb		93
59)	Acenaphthene	7.109	153	876910	47.34	ppb		98
60)	2,4-Dinitrophenol	7.173	184	248898	90.70	ppb		88
61)	4-Nitrophenol	7.306	109	116360	49.88	ppb	#	39
62)	Dibenzofuran	7.322	168	1231234	47.91	ppb		90
63)	2,4-Dinitrotoluene	7.328	165	314079	56.41	ppb		87
64)	2,3,4,6-Tetrachlorophenol	7.488	232	235394	50.42	ppb		97
65)	Diethylphthalate	7.632	149	1029273	53.13	ppb		99
66)	Fluorene	7.728	166	1002316	49.87	ppb		99
67)	4-Chlorophenyl-phenyle...	7.744	204	476094	50.62	ppb		94
68)	4-Nitroaniline	7.787	138	280564	54.30	ppb		94
70)	4,6-Dinitro-2-methylph...	7.819	198	159578	47.98	ppb		98
71)	n-Nitrosodiphenylamine	7.894	169	720240	54.87	ppb		100
72)	1,2-Diphenylhydrazine	7.937	77	1045875	51.24	ppb		99
74)	4-Bromophenyl-phenylether	8.332	248	287597	54.06	ppb		97
75)	Hexachlorobenzene	8.401	284	324099	51.06	ppb		97
76)	Pentachlorophenol	8.658	266	173041	53.62	ppb		98
77)	Phenanthrene	8.898	178	1474445	48.93	ppb		99
78)	Anthracene	8.962	178	1507381	51.60	ppb		99
79)	Carbazole	9.187	167	1433015	47.37	ppb		100
80)	Di-n-butylphthalate	9.684	149	1759211	59.19	ppb		100
81)	Fluoranthene	10.485	202	1556042	53.03	ppb		94
82)	Octadecane	8.797	57	740098	52.02	ppb		96
84)	Pyrene	10.795	202	1607569	50.82	ppb		99
87)	Butylbenzylphthalate	11.826	149	767068	60.13	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92130.D
Acq On : 4 Jun 2014 6:21 pm
Operator : ashleyv
Sample : op75302-msd
Misc : op75302,ez4582,500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 13:13:26 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 Jun 05 13:11:15 2014
Response via : Initial Calibration

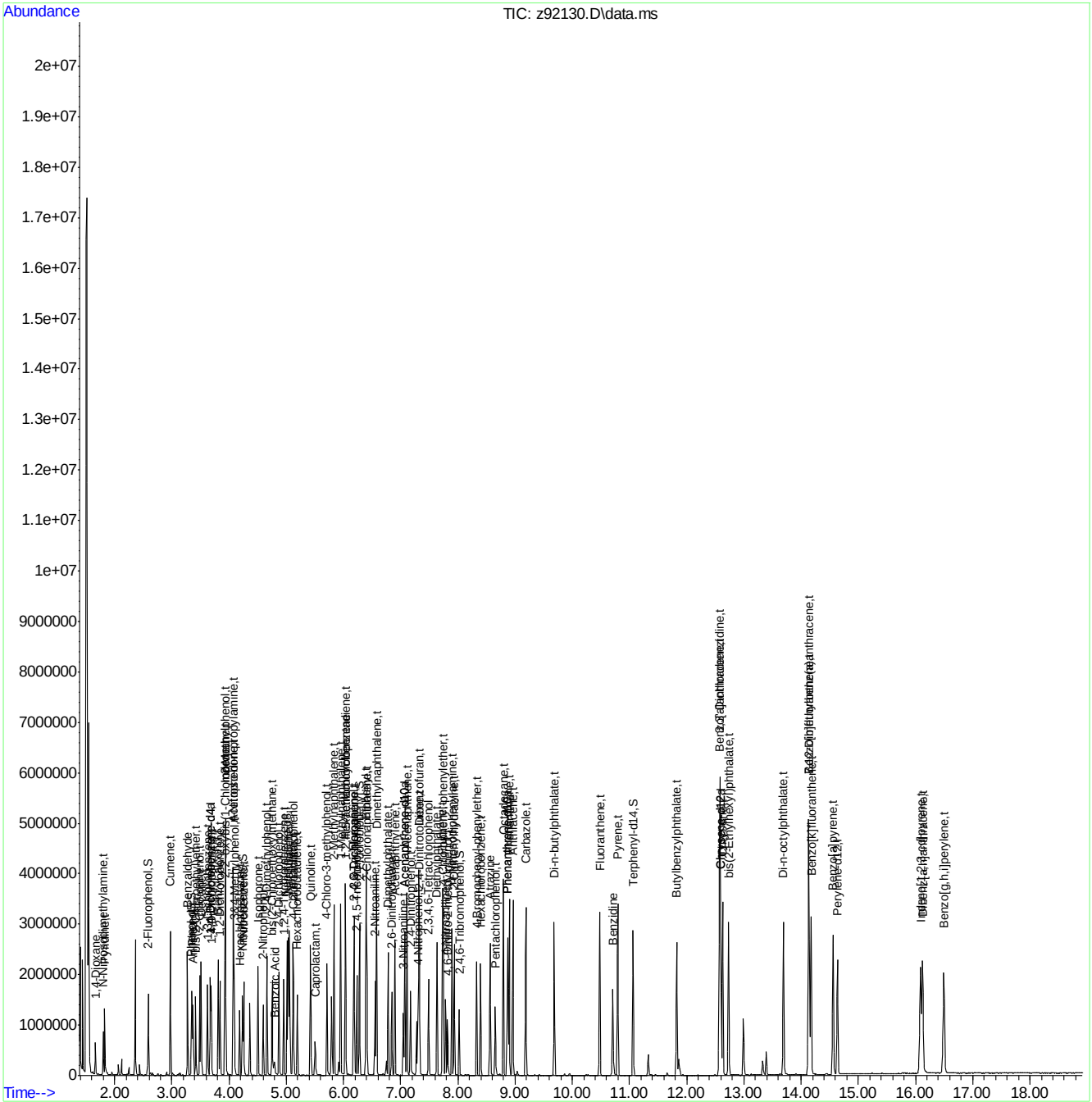
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.579	228	1486455	52.10	ppb	100
89)	3,3'-Dichlorobenzidine	12.584	252	704240	75.09	ppb	99
90)	Chrysene	12.633	228	1481950	52.33	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.734	149	1055587	60.93	ppb	99
93)	Di-n-octylphthalate	13.690	149	1840161	54.51	ppb	99
94)	Benzo[b]fluoranthene	14.134	252	1620676	54.52	ppb	98
95)	Benzo[k]fluoranthene	14.176	252	1485508	48.38	ppb	97
96)	Benzo[a]pyrene	14.561	252	1398177	52.95	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.089	276	1392106	54.65	ppb	96
99)	Dibenz[a,h]anthracene	16.126	278	1451874	54.05	ppb	96
100)	7,12-Dimethylbenz(a)an...	14.134	256	719963	62.19	ppb	99
101)	Benzo[g,h,i]perylene	16.500	276	1418357	53.45	ppb	95
103)	Benzaldehyde	3.273	105	425771	63.71	ppb	85
105)	Atrazine	8.567	215	162906m	71.87	ppb	
107)	Benzidine	10.709	184	757782	71.15	ppb	99
109)	1,2,4,5-Tetrachloroben...	6.040	216	341341	45.13	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92130.D
Acq On : 4 Jun 2014 6:21 pm
Operator : ashleyv
Sample : op75302-msd
Misc : op75302,ez4582,500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 13:13:26 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 Jun 05 13:11:15 2014
Response via : Initial Calibration



Manual Integration Approval Summary

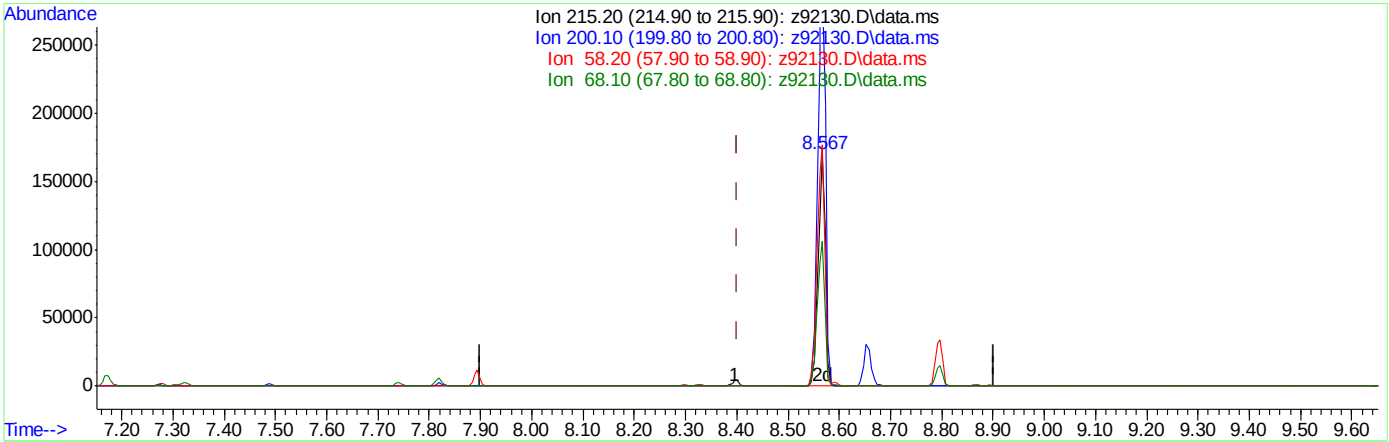
Sample Number:	OP75302-MSD	**Method:**	SW846 8270D
Lab FileID:	Z92130.D	**Analyst approved:**	06/05/14 13:21 Ashley Royal
Injection Time:	06/04/14 18:21	**Supervisor approved:**	06/05/14 15:12 Jennifer Laidlaw

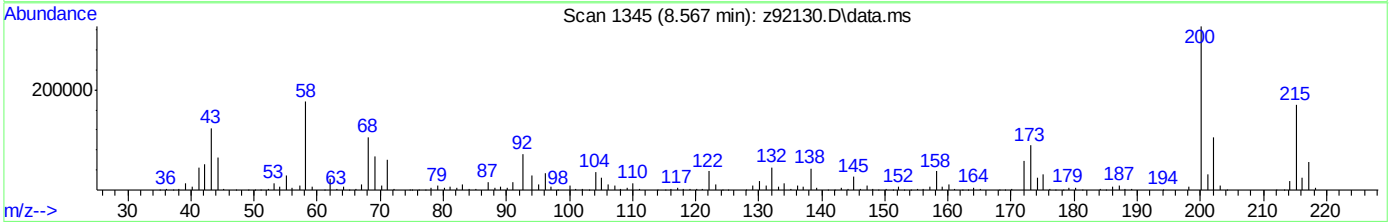
Parameter	CAS	Sig#	R.T. (min.)	Reason
Atrazine	1912-24-9		8.57	Poor instrument integration

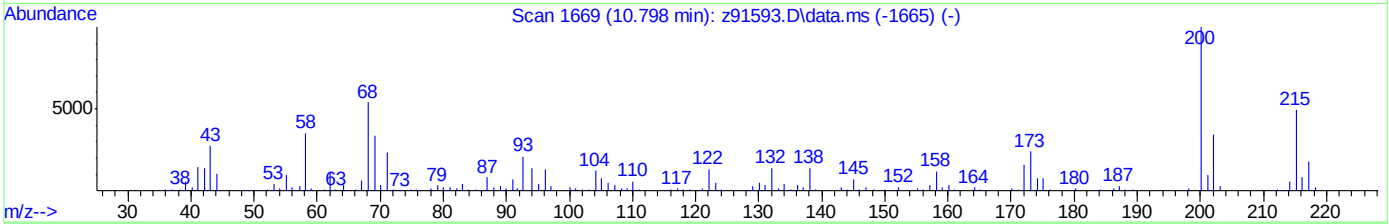
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92130.D
Acq On : 4 Jun 2014 6:21 pm
Operator : ashleyv
Sample : op75302-msd
Misc : op75302,ez4582,500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 05 13:12:43 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 Jun 05 13:11:15 2014
Response via : Initial Calibration







TIC: z92130.D\data.ms

(105) Atrazine

8.567min (+0.166) 71.87ppb m

response 162906

Ion	Exp%	Act%
215.20	100	100
200.10	203.20	192.42
58.20	71.10	104.00#
68.10	110.10	62.59#

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/12/14 12:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61864.D
Acq On : 9 Jun 2014 6:57 pm
Operator : saumilp
Sample : op75285-ms
Misc : op75285,e3e2653,32.6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 11 18:11:06 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	166827	40.00	ppb	-0.02
24) Naphthalene-d8	6.091	136	693758	40.00	ppb	-0.03
47) Acenaphthene-d10	8.219	164	290032	40.00	ppb	-0.04
69) Phenanthrene-d10	10.418	188	408509	40.00	ppb	-0.04
83) Chrysene-d12	14.616	240	340111	40.00	ppb	-0.04
92) Perylene-d12	16.745	264	293277	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4a	4.957	152	166827	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.219	164	290032	40.00	ppb	-0.04
106) Phenanthrene-d10a	10.418	188	408509	40.00	ppb	-0.04
108) Chrysene-d12a	14.616	240	340111	40.00	ppb	-0.04
110) Naphthalene-d8a	6.091	136	693758	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	210554	37.35	ppb	-0.01
Spiked Amount 50.000			Recovery = 74.70%			
8) Phenol-d5	4.668	99	263077	37.67	ppb	-0.01
Spiked Amount 50.000			Recovery = 75.34%			
25) Nitrobenzene-d5	5.411	82	211690	35.22	ppb	-0.03
Spiked Amount 50.000			Recovery = 70.44%			
51) 2-Fluorobiphenyl	7.316	172	351734	39.53	ppb	-0.04
Spiked Amount 50.000			Recovery = 79.06%			
73) 2,4,6-Tribromophenol	9.359	330	33333	46.62	ppb	-0.04
Spiked Amount 50.000			Recovery = 93.24%			
85) Terphenyl-d14	12.974	244	311810	43.35	ppb	-0.04
Spiked Amount 50.000			Recovery = 86.70%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.555	88	82570	27.45	ppb	92
3) Pyridine	2.871	79	242586	32.83	ppb	90
4) N-Nitrosodimethylamine	2.828	74	157345	38.30	ppb	83
6) Indene	5.165	116	437703	39.47	ppb	99
7) Cumene	4.352	105	581793	37.24	ppb	98
9) Phenol	4.679	94	297228	36.93	ppb	97
10) Aniline	4.700	93	208059	24.28	ppb	98
11) bis(2-Chloroethyl)ether	4.737	93	251563	44.41	ppb	96
12) 2-Chlorophenol	4.796	128	224440	35.92	ppb	99
13) Decane	4.823	43	286321	42.30	ppb	92
14) 1,3-Dichlorobenzene	4.914	146	241476	36.16	ppb	99
15) 1,4-Dichlorobenzene	4.968	146	240132	36.18	ppb	99
16) Benzyl alcohol	5.058	108	169810	42.33	ppb	95
17) 1,2-Dichlorobenzene	5.096	146	224993	36.58	ppb	98
18) Acetophenone	5.278	105	338467	38.61	ppb	87
19) 2-Methylphenol	5.149	108	201587	37.82	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.165	121	82065	39.01	ppb #	71
21) 3&4-Methylphenol	5.272	108	213306	37.75	ppb	98
22) n-Nitroso-di-n-propyla...	5.278	70	165806	42.61	ppb	94
23) Hexachloroethane	5.379	201	67411	37.11	ppb	98
26) Nitrobenzene	5.427	77	235902	34.99	ppb	96
27) Quinoline	6.465	129	473568	34.30	ppb	99
28) Isophorone	5.636	82	411793	35.65	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61864.D
Acq On : 9 Jun 2014 6:57 pm
Operator : saumilp
Sample : op75285-ms
Misc : op75285,e3e2653,32.6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 11 18:11:06 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.716	139	111727	34.40	ppb	98
30) 2,4-Dimethylphenol	5.743	107	186011	36.44	ppb	99
31) Benzoic acid	5.839	105	148359m	33.37	ppb	
32) bis(2-Chloroethoxy)met...	5.829	93	258060	37.27	ppb	99
33) 2,4-Dichlorophenol	5.946	162	156267	32.71	ppb	99
34) 2,6-Dichlorophenol	6.171	162	147842	31.89	ppb	96
36) 1,2,4-Trichlorobenzene	6.032	180	165296	31.55	ppb	100
38) Naphthalene	6.112	128	632120	33.70	ppb	99
39) 4-Chloroaniline	6.166	127	150097	19.16	ppb	96
40) 2,3-Dichloroaniline	7.209	161	197084	30.24	ppb	97
41) Caprolactam	6.540	55	117902	37.57	ppb	97
42) Hexachlorobutadiene	6.240	225	76958	32.22	ppb	99
43) 4-Chloro-3-methylphenol	6.690	107	171758	33.90	ppb	94
44) 2-Methylnaphthalene	6.872	141	370282	33.94	ppb	99
45) 1-Methylnaphthalene	6.989	141	394304	33.07	ppb	99
46) Dimethylnaphthalene	7.653	156	387568	32.59	ppb	100
48) Hexachlorocyclopentadiene	7.070	237	121250	61.20	ppb	99
49) 2,4,6-Trichlorophenol	7.214	196	95396	41.77	ppb	99
50) 2,4,5-Trichlorophenol	7.262	196	95305	39.85	ppb	99
52) 2-Chloronaphthalene	7.471	162	326202	39.75	ppb	99
53) Biphenyl	7.444	154	511625	40.96	ppb	100
54) 2-Nitroaniline	7.604	65	128336	49.56	ppb	97
55) Dimethylphthalate	7.850	163	376020	43.23	ppb	100
56) Acenaphthylene	8.022	152	484229	36.29	ppb	98
57) 2,6-Dinitrotoluene	7.925	165	85569	42.60	ppb	95
58) 3-Nitroaniline	8.161	138	47967	20.15	ppb	96
59) Acenaphthene	8.262	153	372843	43.67	ppb	99
60) 2,4-Dinitrophenol	8.310	184	60729	66.15	ppb	93
61) 4-Nitrophenol	8.417	109	50184	41.14	ppb	92
62) Dibenzofuran	8.508	168	474607	41.68	ppb	98
63) 2,4-Dinitrotoluene	8.498	165	113407	41.17	ppb	86
64) 2,3,4,6-Tetrachlorophenol	8.690	232	68172	40.27	ppb	92
65) Diethylphthalate	8.861	149	386923	44.99	ppb	98
66) Fluorene	9.006	166	405235	43.09	ppb	99
67) 4-Chlorophenyl-phenyle...	9.011	204	163290	42.14	ppb	97
68) 4-Nitroaniline	9.038	138	63685	26.13	ppb	92
70) 4,6-Dinitro-2-methylph...	9.091	198	40750	36.37	ppb	96
71) n-Nitrosodiphenylamine	9.193	169	263591	45.52	ppb	99
72) 1,2-Diphenylhydrazine	9.252	77	448941	48.82	ppb	98
74) 4-Bromophenyl-phenylether	9.749	248	84035	44.22	ppb	99
75) Hexachlorobenzene	9.840	284	82112	41.12	ppb	96
76) Pentachlorophenol	10.145	266	49307	40.56	ppb	98
77) Phenanthrene	10.455	178	487161	42.28	ppb	98
78) Anthracene	10.535	178	494550	43.91	ppb	98
79) Carbazole	10.798	167	452024	36.17	ppb	99
80) Di-n-butylphthalate	11.407	149	656213	51.00	ppb	100
81) Fluoranthene	12.327	202	511654	43.72	ppb	99
82) Octadecane	10.343	57	358858	55.14	ppb	94
84) Pyrene	12.680	202	519905	44.74	ppb	99
86) Butylbenzylphthalate	13.793	149	283327	45.08	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61864.D
Acq On : 9 Jun 2014 6:57 pm
Operator : saumilp
Sample : op75285-ms
Misc : op75285,e3e2653,32.6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 11 18:11:06 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

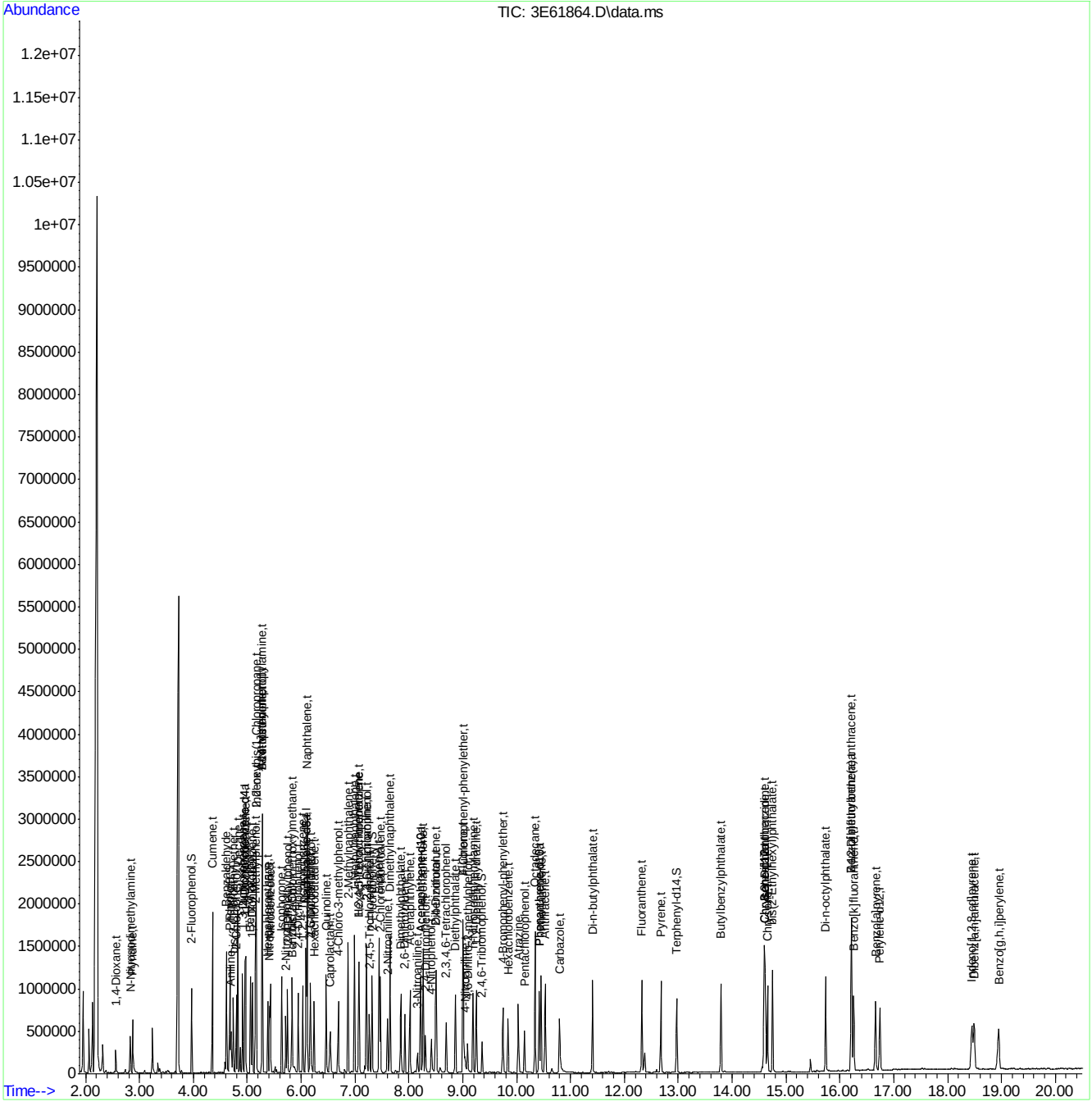
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
88) Benzo[a]anthracene	14.600	228	449735	42.77 ppb	99
89) 3,3'-Dichlorobenzidine	14.595	252	185119	50.15 ppb	98
90) Chrysene	14.659	228	386698	44.73 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.750	149	369019	52.87 ppb	97
93) Di-n-octylphthalate	15.740	149	657971	46.02 ppb	98
94) Benzo[b]fluoranthene	16.216	252	454521	45.88 ppb	99
95) Benzo[k]fluoranthene	16.258	252	376910	42.29 ppb	100
96) Benzo[a]pyrene	16.665	252	369418	45.37 ppb	99
97) Indeno[1,2,3-cd]pyrene	18.451	276	375993	45.17 ppb	99
99) Dibenz[a,h]anthracene	18.494	278	346166	43.22 ppb	99
100) 7,12-Dimethylbenz(a)an...	16.216	256	233434	44.45 ppb	98
101) Benzo[g,h,i]perylene	18.949	276	350323	43.46 ppb	97
103) Benzaldehyde	4.614	105	221558	49.70 ppb	97
105) 1,2,4,5-Tetrachloroben...	7.075	216	137600	39.09 ppb	99
107) Atrazine	10.038	215	53529	50.22 ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61864.D
Acq On : 9 Jun 2014 6:57 pm
Operator : saumilp
Sample : op75285-ms
Misc : op75285,e3e2653,32.6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 11 18:11:06 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Manual Integration Approval Summary

Sample Number: OP75285-MS
Lab FileID: 3E61864.D
Injection Time: 06/09/14 18:57

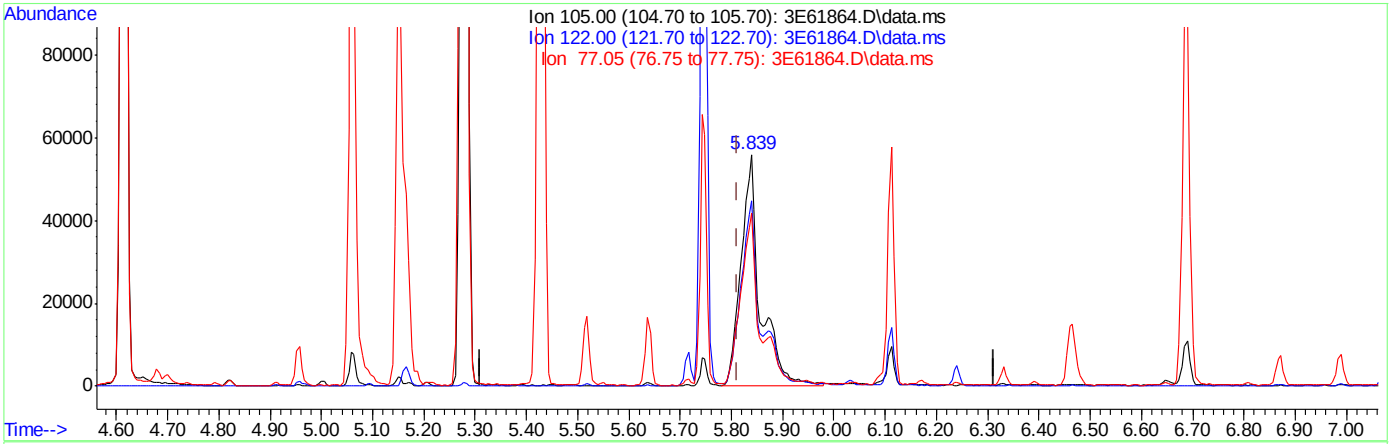
Method: SW846 8270D
Analyst approved: 06/11/14 18:27 Andrew Lee Smith
Supervisor approved: 06/12/14 12:38 Kristin Weiler

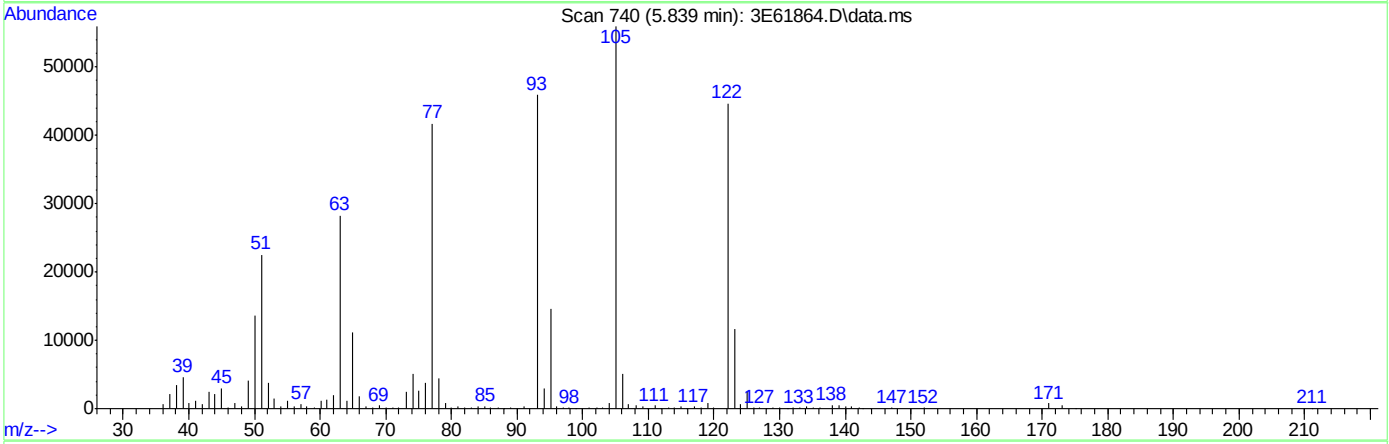
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.84	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61864.D
Acq On : 9 Jun 2014 6:57 pm
Operator : saumilp
Sample : op75285-ms
Misc : op75285,e3e2653,32.6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 13:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration





TIC: 3E61864.D\data.ms

(31) Benzoic acid (t)

5.839min (+0.027) 33.37ppb m

response 148359

Ion	Exp%	Act%
105.00	100	100
122.00	79.50	79.87
77.05	72.10	74.52
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/12/14 12:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61865.D
Acq On : 9 Jun 2014 7:25 pm
Operator : saumilp
Sample : op75285-msd
Misc : op75285,e3e2653,33.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 18:11:56 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	181187	40.00	ppb		-0.02
24) Naphthalene-d8	6.091	136	740894	40.00	ppb		-0.03
47) Acenaphthene-d10	8.220	164	307719	40.00	ppb		-0.04
69) Phenanthrene-d10	10.418	188	438242	40.00	ppb		-0.04
83) Chrysene-d12	14.616	240	362276	40.00	ppb		-0.04
92) Perylene-d12	16.745	264	316983	40.00	ppb		-0.05
102) 1,4-Dichlorobenzene-d4a	4.957	152	181187	40.00	ppb		-0.02
104) Acenaphthene-d10a	8.220	164	307719	40.00	ppb		-0.04
106) Phenanthrene-d10a	10.418	188	438242	40.00	ppb		-0.04
108) Chrysene-d12a	14.616	240	362276	40.00	ppb		-0.04
110) Naphthalene-d8a	6.091	136	740894	40.00	ppb		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	3.967	112	232682	38.00	ppb		-0.01
Spiked Amount 50.000			Recovery = 76.00%				
8) Phenol-d5	4.668	99	285503	37.64	ppb		-0.01
Spiked Amount 50.000			Recovery = 75.28%				
25) Nitrobenzene-d5	5.411	82	234728	36.56	ppb		-0.03
Spiked Amount 50.000			Recovery = 73.12%				
51) 2-Fluorobiphenyl	7.316	172	371055	39.30	ppb		-0.04
Spiked Amount 50.000			Recovery = 78.60%				
73) 2,4,6-Tribromophenol	9.359	330	33119	43.18	ppb		-0.04
Spiked Amount 50.000			Recovery = 86.36%				
85) Terphenyl-d14	12.974	244	314672	41.07	ppb		-0.04
Spiked Amount 50.000			Recovery = 82.14%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.561	88	88714	27.16	ppb		96
3) Pyridine	2.871	79	253365	31.57	ppb		87
4) N-Nitrosodimethylamine	2.828	74	167027	37.43	ppb		82
6) Indene	5.165	116	468940	38.93	ppb		99
7) Cumene	4.352	105	623858	36.77	ppb		97
9) Phenol	4.679	94	314454	35.97	ppb		95
10) Aniline	4.700	93	181105	19.46	ppb		97
11) bis(2-Chloroethyl)ether	4.738	93	263261	42.80	ppb		96
12) 2-Chlorophenol	4.796	128	239565	35.30	ppb		99
13) Decane	4.823	43	311599	42.38	ppb		92
14) 1,3-Dichlorobenzene	4.914	146	254579	35.10	ppb		99
15) 1,4-Dichlorobenzene	4.968	146	248842	34.52	ppb		99
16) Benzyl alcohol	5.058	108	178273	40.91	ppb		94
17) 1,2-Dichlorobenzene	5.091	146	233658	34.98	ppb		97
18) Acetophenone	5.278	105	365769	38.41	ppb		89
19) 2-Methylphenol	5.149	108	209248	36.14	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.165	121	88410	38.69	ppb	#	74
21) 3&4-Methylphenol	5.272	108	220542	35.94	ppb		96
22) n-Nitroso-di-n-propyla...	5.278	70	175964	41.63	ppb		94
23) Hexachloroethane	5.379	201	69313	35.13	ppb		97
26) Nitrobenzene	5.428	77	252811	35.11	ppb		95
27) Quinoline	6.465	129	489715	33.21	ppb		99
28) Isophorone	5.636	82	438077	35.51	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61865.D
Acq On : 9 Jun 2014 7:25 pm
Operator : saumilp
Sample : op75285-msd
Misc : op75285,e3e2653,33.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 18:11:56 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.716	139	119667	34.50	ppb	96
30) 2,4-Dimethylphenol	5.743	107	185613	34.05	ppb	98
31) Benzoic acid	5.845	105	166989m	34.99	ppb	
32) bis(2-Chloroethoxy)met...	5.829	93	272088	36.79	ppb	99
33) 2,4-Dichlorophenol	5.946	162	158928	31.15	ppb	99
34) 2,6-Dichlorophenol	6.171	162	150595	30.41	ppb	98
36) 1,2,4-Trichlorobenzene	6.032	180	174236	31.14	ppb	99
38) Naphthalene	6.112	128	669899	33.44	ppb	99
39) 4-Chloroaniline	6.166	127	131478	15.71	ppb	95
40) 2,3-Dichloroaniline	7.209	161	204697	29.41	ppb	97
41) Caprolactam	6.540	55	120288	35.89	ppb	96
42) Hexachlorobutadiene	6.241	225	79958	31.34	ppb	99
43) 4-Chloro-3-methylphenol	6.690	107	176168	32.56	ppb	98
44) 2-Methylnaphthalene	6.872	141	391283	33.58	ppb	99
45) 1-Methylnaphthalene	6.989	141	420519	33.02	ppb	98
46) Dimethylnaphthalene	7.653	156	404687	31.86	ppb	99
48) Hexachlorocyclopentadiene	7.070	237	144475	68.73	ppb	100
49) 2,4,6-Trichlorophenol	7.214	196	95259	39.32	ppb	98
50) 2,4,5-Trichlorophenol	7.262	196	94646	37.30	ppb	99
52) 2-Chloronaphthalene	7.471	162	335843	38.57	ppb	99
53) Biphenyl	7.444	154	535505	40.41	ppb	99
54) 2-Nitroaniline	7.604	65	129377	47.09	ppb	95
55) Dimethylphthalate	7.850	163	371325	40.23	ppb	99
56) Acenaphthylene	8.022	152	491748	34.74	ppb	99
57) 2,6-Dinitrotoluene	7.925	165	84263	39.57	ppb	92
58) 3-Nitroaniline	8.161	138	47180	18.68	ppb	94
59) Acenaphthene	8.262	153	381200	42.08	ppb	98
60) 2,4-Dinitrophenol	8.310	184	66258	67.69	ppb	94
61) 4-Nitrophenol	8.417	109	49940	38.58	ppb	93
62) Dibenzofuran	8.508	168	478997	39.65	ppb	97
63) 2,4-Dinitrotoluene	8.492	165	110359	37.81	ppb	83
64) 2,3,4,6-Tetrachlorophenol	8.690	232	67102	37.36	ppb	92
65) Diethylphthalate	8.861	149	385498	42.25	ppb	98
66) Fluorene	9.006	166	406830	40.77	ppb	99
67) 4-Chlorophenyl-phenyle...	9.011	204	163415	39.75	ppb	97
68) 4-Nitroaniline	9.038	138	60453	23.38	ppb	93
70) 4,6-Dinitro-2-methylph...	9.091	198	42514	35.37	ppb	96
71) n-Nitrosodiphenylamine	9.193	169	257689	41.48	ppb	99
72) 1,2-Diphenylhydrazine	9.246	77	453546	45.97	ppb	94
74) 4-Bromophenyl-phenylether	9.744	248	82971	40.70	ppb	89
75) Hexachlorobenzene	9.840	284	80112	37.40	ppb	95
76) Pentachlorophenol	10.145	266	49954	38.30	ppb	97
77) Phenanthrene	10.455	178	484491	39.19	ppb	99
78) Anthracene	10.530	178	491920	40.71	ppb	99
79) Carbazole	10.798	167	446684	33.32	ppb	99
80) Di-n-butylphthalate	11.407	149	651846	47.22	ppb	99
81) Fluoranthene	12.327	202	510767	40.68	ppb	98
82) Octadecane	10.343	57	368902	52.84	ppb	94
84) Pyrene	12.675	202	515062	41.61	ppb	99
86) Butylbenzylphthalate	13.793	149	281548	42.26	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61865.D
Acq On : 9 Jun 2014 7:25 pm
Operator : saumilp
Sample : op75285-msd
Misc : op75285,e3e2653,33.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 18:11:56 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) Benzo[a]anthracene	14.600	228	443627	39.61	ppb		99
89) 3,3'-Dichlorobenzidine	14.595	252	190238	48.39	ppb		99
90) Chrysene	14.659	228	386034	41.92	ppb		98
91) bis(2-Ethylhexyl)phtha...	14.750	149	366636	49.31	ppb		98
93) Di-n-octylphthalate	15.734	149	656043	42.75	ppb		96
94) Benzo[b]fluoranthene	16.216	252	459717	42.94	ppb		100
95) Benzo[k]fluoranthene	16.259	252	374433	38.87	ppb		99
96) Benzo[a]pyrene	16.665	252	364114	41.37	ppb		99
97) Indeno[1,2,3-cd]pyrene	18.451	276	366909	40.78	ppb		97
99) Dibenz[a,h]anthracene	18.494	278	345807	39.95	ppb		100
100) 7,12-Dimethylbenz(a)an...	16.216	256	235789	42.07	ppb		98
101) Benzo[g,h,i]perylene	18.949	276	351998	40.40	ppb		96
103) Benzaldehyde	4.615	105	235225	48.59	ppb		97
105) 1,2,4,5-Tetrachloroben...	7.075	216	142879	38.25	ppb		99
107) Atrazine	10.033	215	52749	46.13	ppb	#	82

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

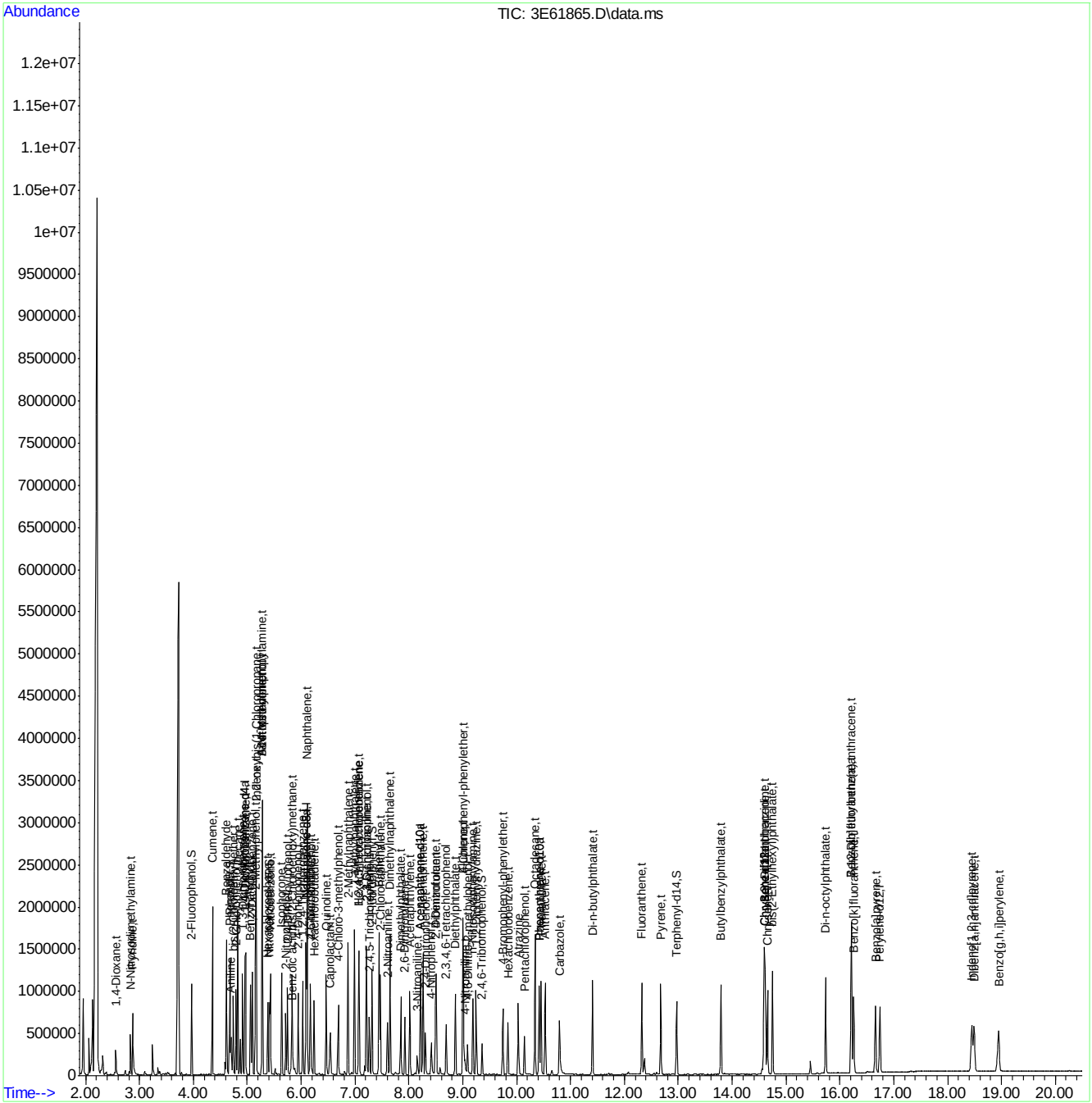
9.4.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61865.D
Acq On : 9 Jun 2014 7:25 pm
Operator : saumilp
Sample : op75285-msd
Misc : op75285,e3e2653,33.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 18:11:56 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Manual Integration Approval Summary

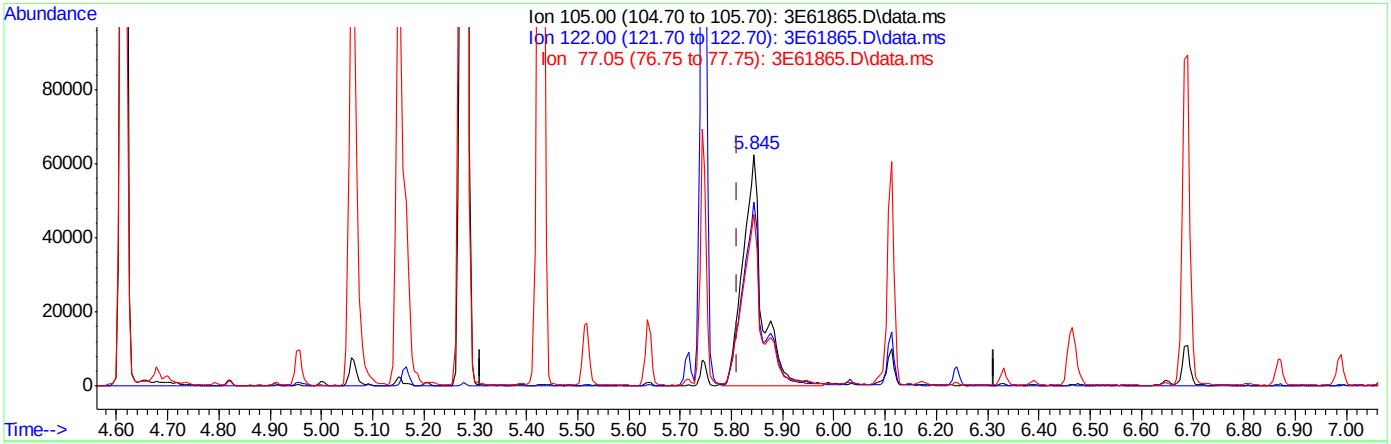
Sample Number:	OP75285-MSD	**Method:**	SW846 8270D
Lab FileID:	3E61865.D	**Analyst approved:**	06/11/14 18:27 Andrew Lee Smith
Injection Time:	06/09/14 19:25	**Supervisor approved:**	06/12/14 12:38 Kristin Weiler

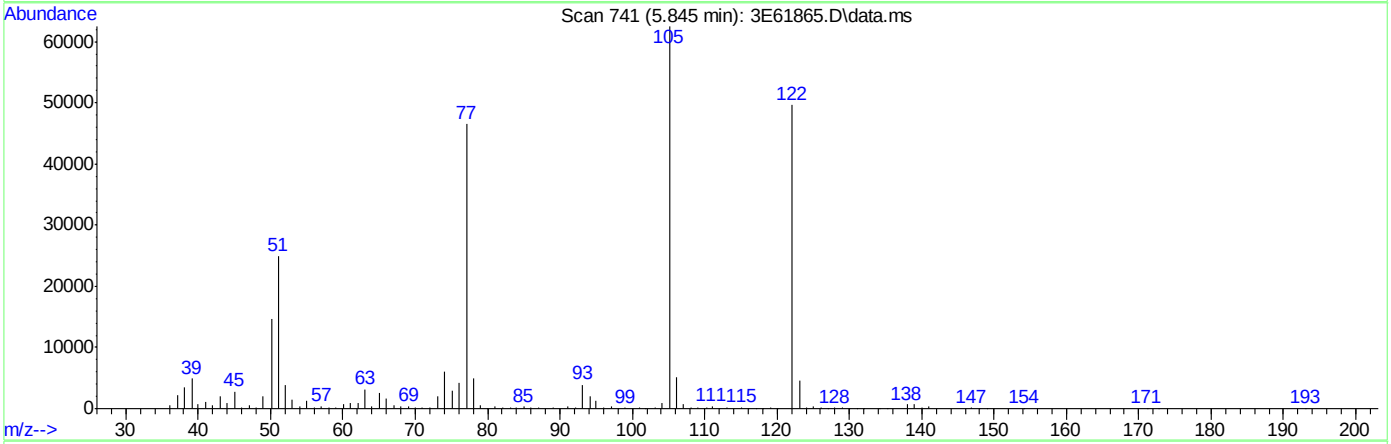
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.84	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61865.D
Acq On : 9 Jun 2014 7:25 pm
Operator : saumilp
Sample : op75285-msd
Misc : op75285,e3e2653,33.6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 13:07:23 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration





TIC: 3E61865.D\data.ms

(31) Benzoic acid (t)

5.845min (+0.033) 34.99ppb m

response 166989

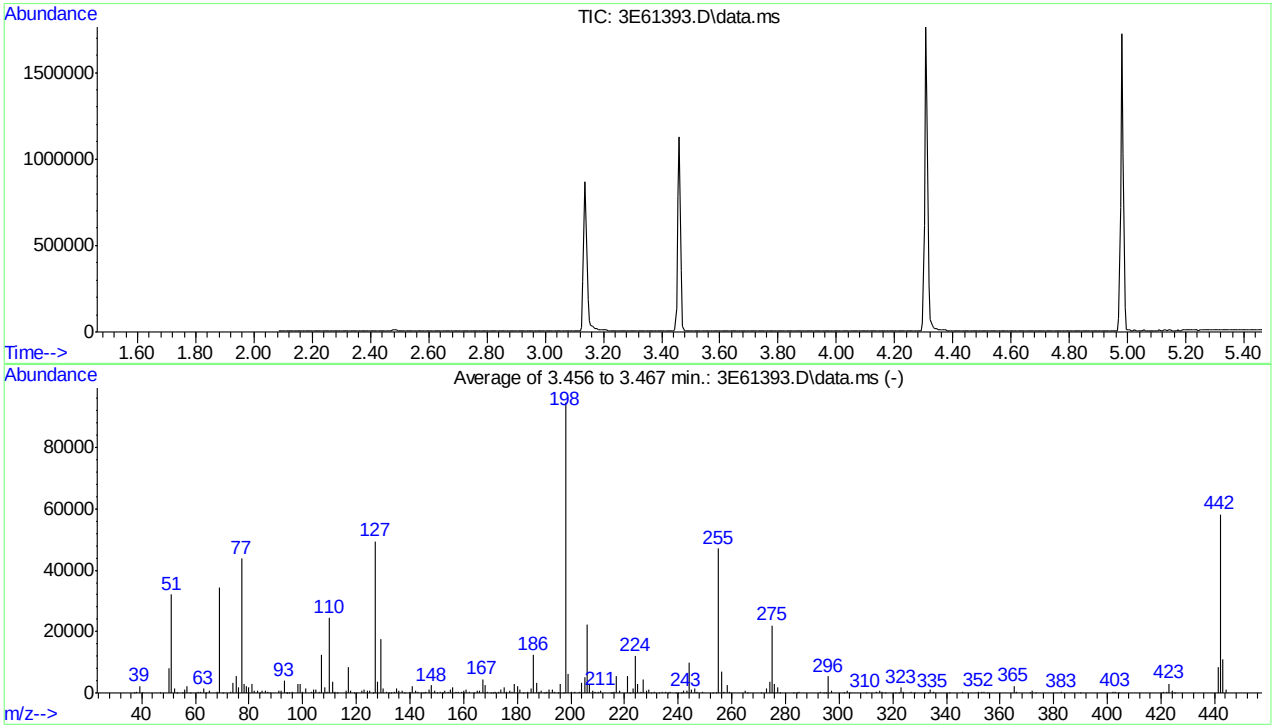
Ion	Exp%	Act%
105.00	100	100
122.00	79.50	79.45
77.05	72.10	74.37
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 257, 258, 259; Background Corrected with Scan 252

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.8	32000	PASS
68	69	0.00	2	1.3	462	PASS
69	198	0.00	100	36.4	34486	PASS
70	69	0.00	2	0.4	149	PASS
127	198	40	60	52.2	49442	PASS
197	198	0.00	1	0.2	195	PASS
198	198	100	100	100.0	94664	PASS
199	198	5	9	6.7	6346	PASS
275	198	10	30	23.3	22082	PASS
365	198	1	100	2.4	2233	PASS
441	443	0.10	100	77.2	8455	PASS
442	198	40	100	61.5	58176	PASS
443	442	17	23	18.8	10948	PASS

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	133	57.00	2363	74.05	3336	85.00	602
38.00	306	57.90	72	75.00	5494	86.00	587
39.10	2332	61.00	432	76.05	1987	87.00	313
39.95	56	62.00	382	77.10	43701	87.90	87
46.90	6	63.00	1329	78.10	2996	91.00	610
50.10	7891	64.00	169	79.00	2318	92.00	642
51.05	32000	65.00	693	80.00	1971	93.00	3928
52.05	1582	68.00	462	81.00	2805	93.90	148
53.00	54	69.00	34486	82.00	736	94.10	143
54.95	159	70.10	149	83.00	754	94.95	117
56.00	957	73.05	226	84.00	106	96.05	221

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
98.00	2963	110.00	24401	124.00	625	135.05	1442
99.00	2883	111.00	3654	125.00	607	136.00	561
99.95	248	111.95	380	126.05	145	136.95	754
101.00	1608	112.95	155	127.05	49442	137.90	179
103.00	498	116.00	619	128.00	3585	139.95	238
103.95	978	117.00	8573	129.00	17658	141.00	2085
105.00	943	118.00	722	130.00	1429	142.00	748
106.00	289	119.00	51	131.00	238	142.95	510
107.05	12459	120.05	161	132.00	171	144.05	123
108.05	1918	122.00	802	132.90	53	145.10	82
109.00	292	123.00	1264	134.00	449	146.00	325

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.05	1094	157.00	295	169.00	469	180.05	2224
148.00	2434	157.95	329	170.00	80	181.10	965
149.00	579	159.00	290	170.90	135	182.05	142
150.05	147	160.00	720	171.95	406	184.00	238
151.10	333	161.05	1007	173.00	543	185.00	1444
151.90	81	162.00	348	174.00	932	186.10	12345
152.10	82	163.90	62	175.00	1700	187.10	3390
153.00	582	165.00	732	175.95	393	188.10	291
154.00	550	166.00	672	177.00	715	189.00	656
155.00	1280	167.05	4503	177.95	208	190.10	62
156.05	1954	168.00	2631	179.00	2960	191.05	352

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
192.00	997	204.10	3171	217.00	5419	229.95	143
193.05	1072	205.10	5188	218.00	746	231.00	473
194.00	237	206.10	22300	221.05	5553	232.90	56
194.95	134	207.05	2973	222.00	164	234.00	235
196.05	2834	208.05	711	223.05	1299	235.10	331
197.05	195	209.05	222	224.10	11942	235.95	191
198.00	94664	210.20	303	225.00	2970	237.00	365
199.00	6346	211.05	832	226.00	357	238.95	167
200.00	525	214.90	57	227.05	4418	240.00	67
201.55	495	215.10	90	228.00	730	241.00	192
203.00	549	216.00	410	229.00	945	242.05	629

Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
243.05	719	258.05	2513	282.95	146	309.90	50
244.10	9997	258.95	382	284.10	93	314.00	202
245.05	1244	265.00	923	285.05	278	314.95	610
246.05	1593	265.90	83	293.00	396	316.00	346

dftpp3e.M Tue Jun 10 08:37:00 2014 MS3E

246.95	352	270.90	68	294.00	62	317.10	52
249.00	297	273.00	1392	295.20	81	321.00	91
253.00	107	274.00	3679	296.00	5483	322.20	51
254.10	116	275.10	22082	297.00	741	323.10	1760
255.10	47034	276.00	2954	301.90	62	324.05	353
256.05	6901	277.00	1748	303.05	729	326.95	317
257.00	529	278.00	190	304.00	100	327.90	173

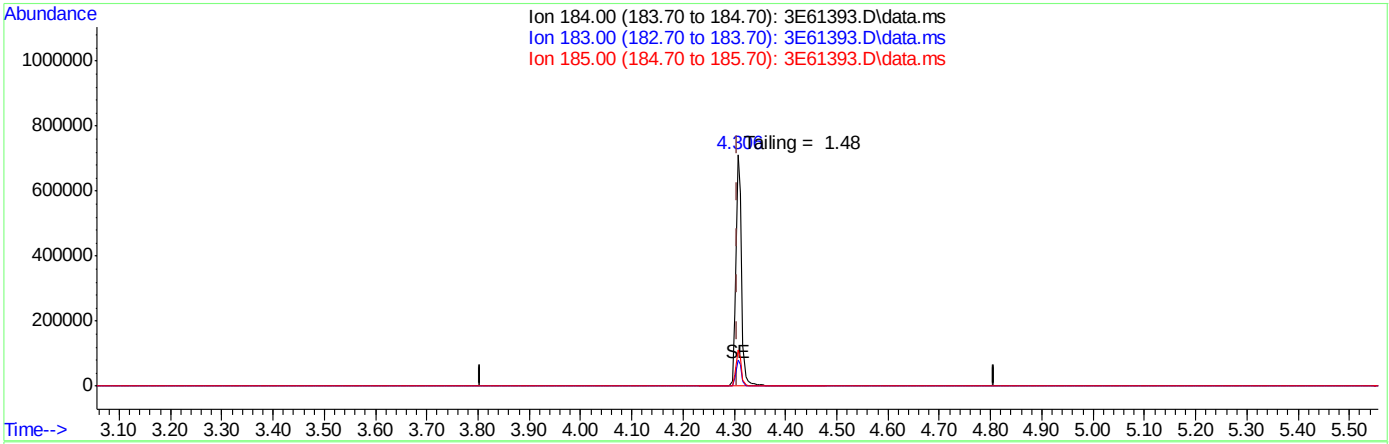
Average of 3.456 to 3.467 min.: 3E61393.D\data.ms
dftpp
Modified:subtracted

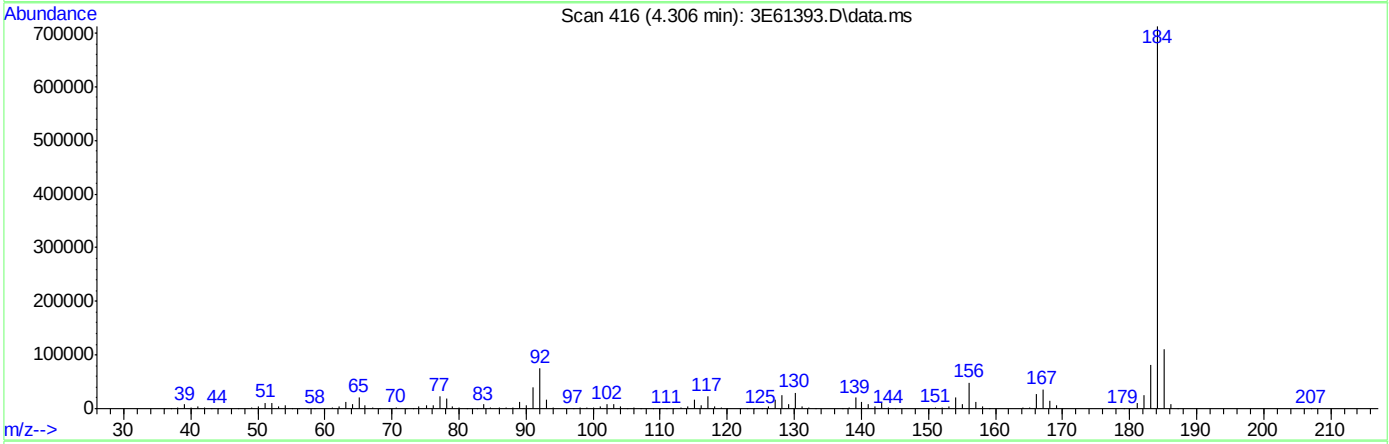
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
331.80	67	365.95	329	423.05	2958		
332.90	71	371.10	94	424.00	719		
334.05	1160	372.05	873	425.10	55		
335.05	230	373.10	185	441.10	8455		
341.00	111	382.95	200	442.10	58176		
345.95	409	390.00	80	443.10	10948		
352.00	430	402.05	267	444.05	1022		
353.05	426	403.00	456				
354.05	533	404.00	87				
355.00	58	420.95	458				
365.05	2233	422.00	409				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 17:38:31 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61393.D\data.ms

(2) Benzidine (t)

4.306min (+0.000) 53.82ppb

response 565104

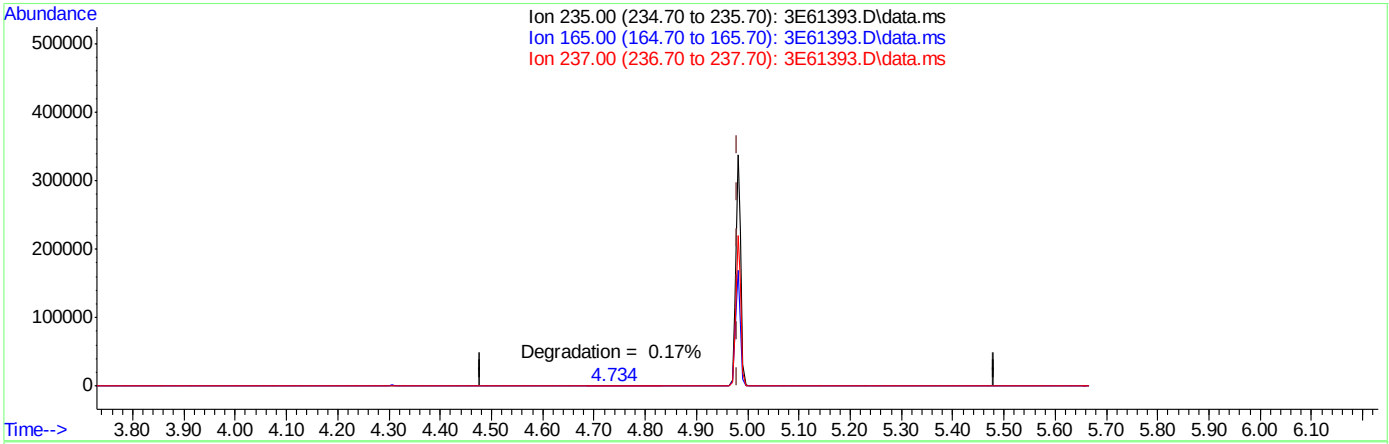
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.50
185.00	15.40	15.70
0.00	0.00	0.00

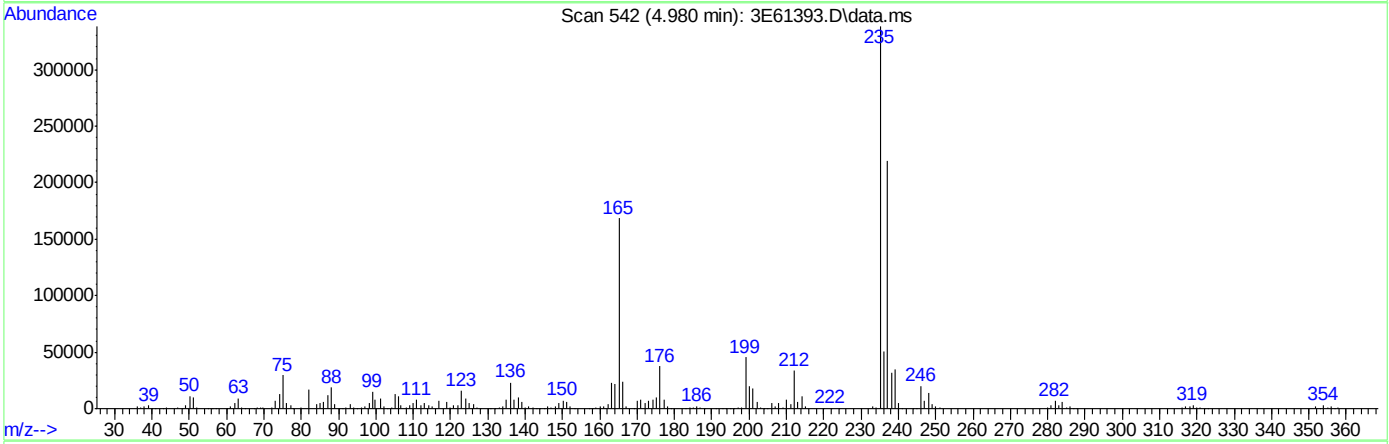
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 17:38:31 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61393.D\data.ms

(3) PP-DDT (t)

4.980min (+0.000) 55.85ppb

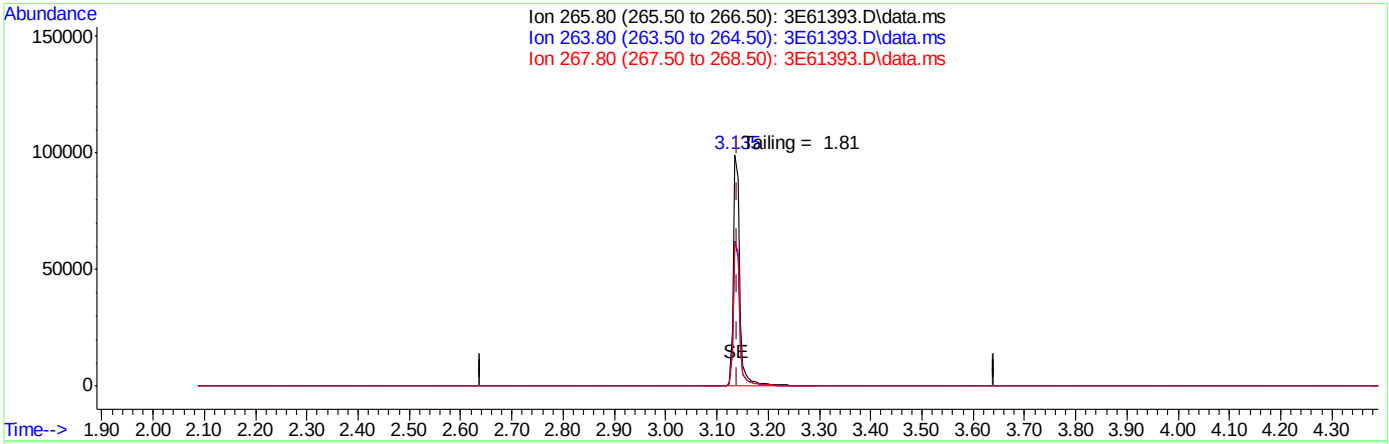
response 231879

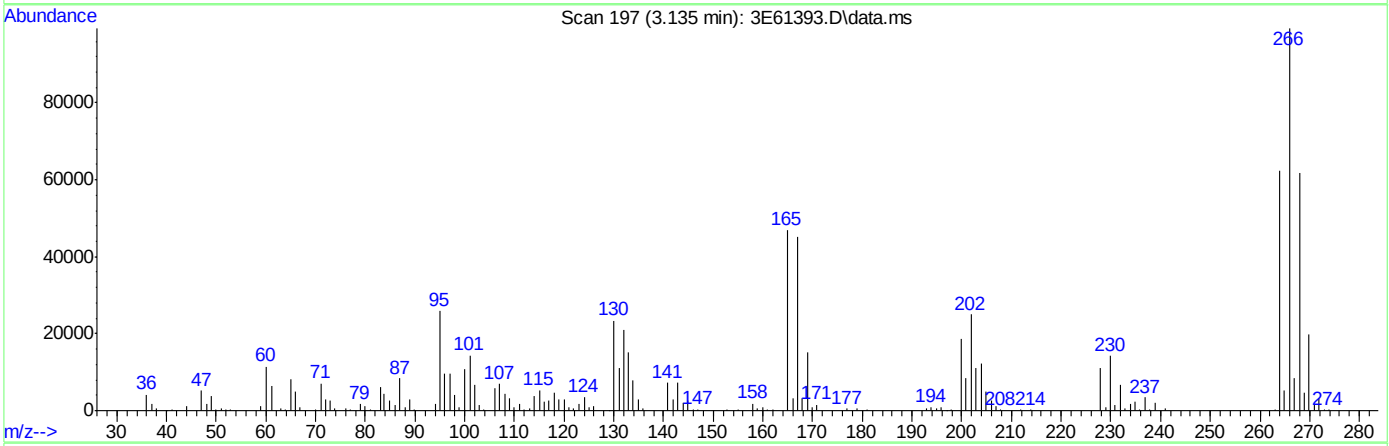
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.44#
237.00	0.10	65.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61393.D
Acq On : 4 Jun 2014 5:31 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2646,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 17:38:31 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61393.D\data.ms

(1) Pentachlorophenol (t)

3.135min (-0.005) 56.10ppb

response 87677

Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.73
267.80	64.70	62.30
0.00	0.00	0.00

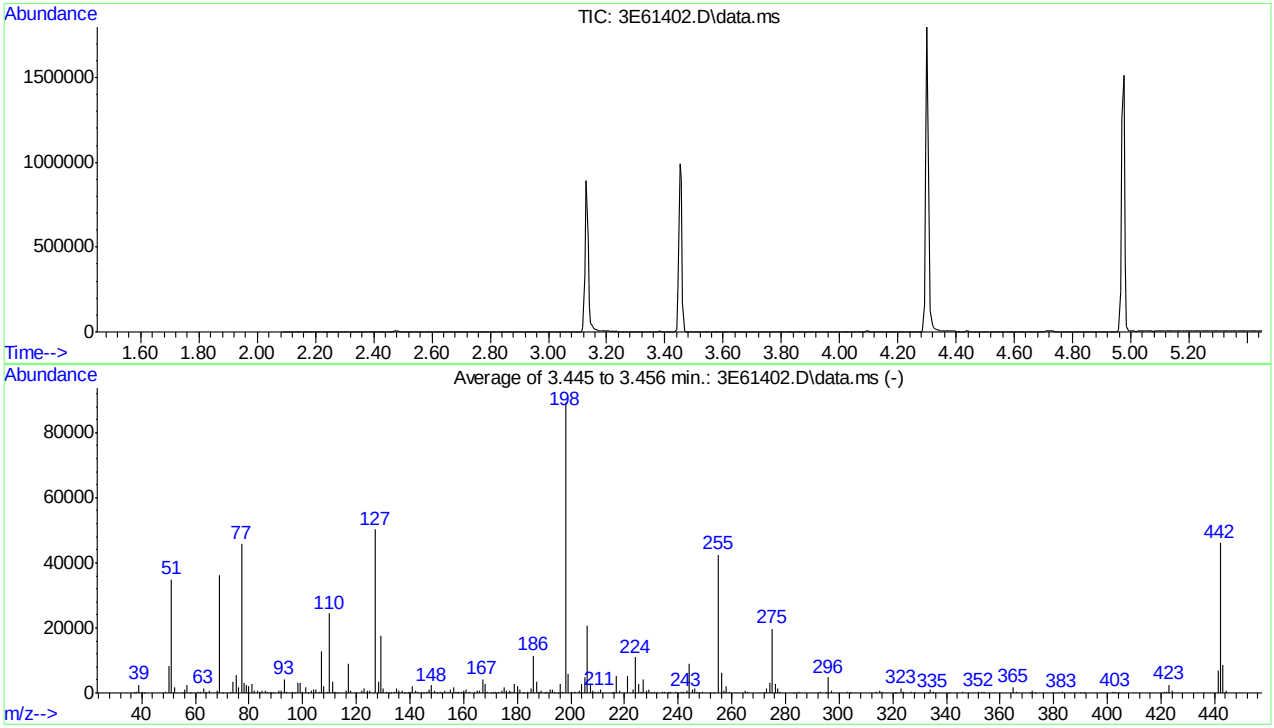
ACCUTEST LABORATORIES JB68173

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.1	34890	PASS
68	69	0.00	2	1.6	573	PASS
69	198	0.00	100	40.6	36282	PASS
70	69	0.00	2	0.5	169	PASS
127	198	40	60	56.3	50290	PASS
197	198	0.00	1	0.2	210	PASS
198	198	100	100	100.0	89256	PASS
199	198	5	9	6.8	6029	PASS
275	198	10	30	22.2	19782	PASS
365	198	1	100	2.1	1874	PASS
441	443	0.10	100	77.5	6767	PASS
442	198	40	100	51.6	46063	PASS
443	442	17	23	19.0	8730	PASS

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	67	57.00	2481	74.00	3560	85.00	643
38.00	376	57.90	67	75.05	5577	86.00	865
39.05	2468	60.95	467	76.05	1904	87.00	307
40.00	211	62.00	503	77.10	45797	87.90	69
41.10	52	63.05	1420	78.10	3069	88.10	74
49.00	263	64.05	199	79.05	2470	88.90	60
50.10	8342	65.00	736	80.00	1974	91.05	614
51.10	34890	68.00	573	81.00	2844	92.00	723
52.05	1771	69.00	36282	82.00	783	93.00	4148
55.00	182	70.00	169	82.95	809	94.05	323
56.00	969	72.95	262	83.95	217	95.95	261

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	55	108.00	2084	123.00	1227	135.05	1381
98.05	3084	109.05	278	124.00	564	136.00	587
99.00	3023	110.10	24325	125.00	556	137.00	810
100.05	277	111.00	3474	127.10	50290	137.95	154
101.00	1669	112.05	443	128.10	3623	139.00	50
102.10	65	113.00	122	129.00	17613	140.05	196
103.00	530	116.00	689	130.00	1453	141.00	2201
104.00	1062	117.00	8955	131.00	316	142.05	708
105.00	928	118.00	731	132.05	161	142.95	479
106.00	316	120.05	170	132.95	127	144.00	63
107.05	12689	122.00	735	134.00	492	145.00	81

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.05	355	157.05	308	168.05	2773	178.00	252
147.00	1007	157.80	60	169.00	517	179.00	2873
148.00	2326	158.00	325	170.00	65	180.10	2169
149.05	532	159.00	234	171.00	165	181.00	1017
150.00	59	160.00	643	171.95	359	182.00	135
151.15	222	161.00	957	173.00	452	184.00	189
151.75	172	162.00	267	174.05	824	185.05	1496
153.00	613	164.00	72	175.05	1631	186.10	11498
154.00	479	165.00	760	176.05	562	187.10	3297
155.05	1135	166.00	615	176.90	116	188.00	355
156.10	1856	167.05	4269	177.05	695	189.00	618

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
189.95	107	201.50	452	216.10	377	229.95	155
191.00	278	203.00	592	217.00	5151	231.05	387
192.05	950	204.10	2833	218.00	650	232.00	50
193.10	1082	205.10	4733	221.05	5205	234.00	251
193.95	190	206.10	20670	223.00	1159	235.00	242
195.05	114	207.10	2903	224.10	11016	236.00	155
196.00	2680	208.10	702	225.10	2806	236.80	51
197.00	210	208.95	185	226.10	283	237.05	367
198.00	89256	210.10	194	227.10	4276	239.05	184
199.00	6029	211.00	892	228.05	565	240.05	108
200.05	499	215.00	173	229.05	967	241.05	267

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.00	507	256.10	6248	277.05	1402	314.00	220
243.05	628	257.05	537	278.00	195	314.95	540
244.10	9120	258.00	2218	283.00	166	316.00	339
245.10	1173	259.00	337	285.10	281	320.90	59

dftpp3e.M Thu Jun 05 15:49:58 2014 MS3E

ACCUTEST LABORATORIES JB68173

246.00	1448	265.00	845	293.00	319	321.10	111
247.00	288	265.90	189	294.90	50	323.05	1532
248.00	114	271.90	51	296.05	4724	324.00	312
248.95	274	273.05	1408	297.05	687	326.95	255
251.90	54	274.05	3250	302.95	501	328.05	136
253.05	151	275.10	19782	303.90	65	332.05	131
255.10	42462	276.10	2756	304.10	67	333.05	133

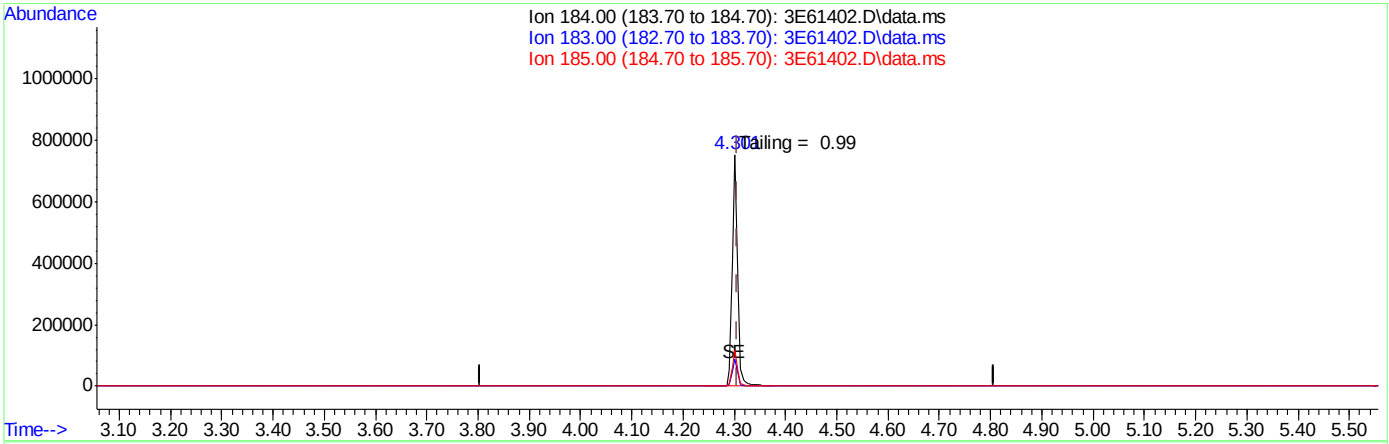
Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

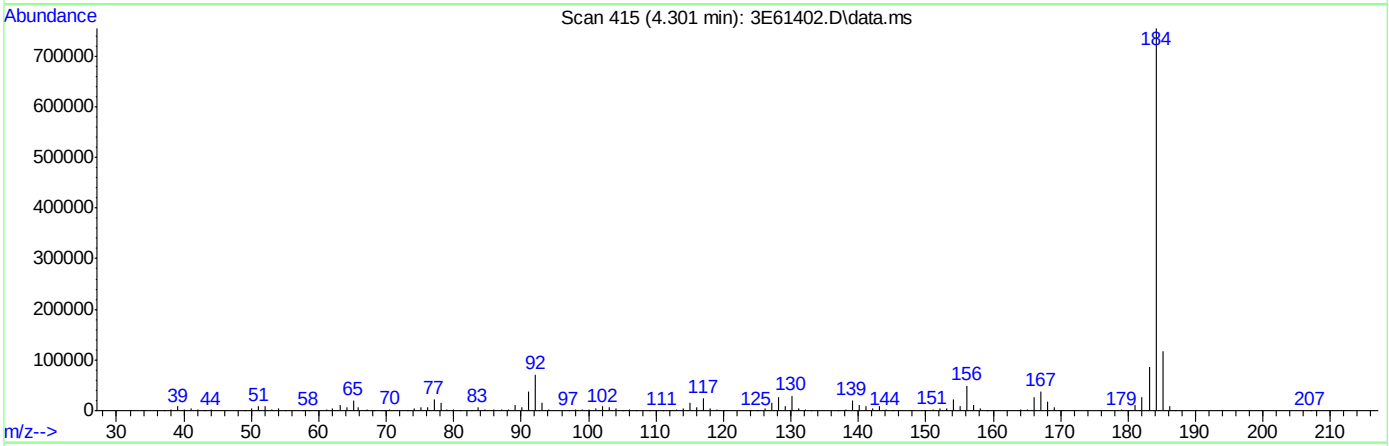
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.05	942	373.00	150	441.10	6767		
335.05	252	383.00	221	442.10	46063		
341.00	148	390.00	63	443.10	8730		
345.95	302	391.10	58	444.05	735		
352.05	500	402.00	293				
353.05	259	403.05	375				
354.00	475	404.00	78				
365.00	1874	421.05	304				
365.95	236	422.00	344				
371.00	115	423.10	2582				
372.05	695	424.05	559				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 51.07ppb

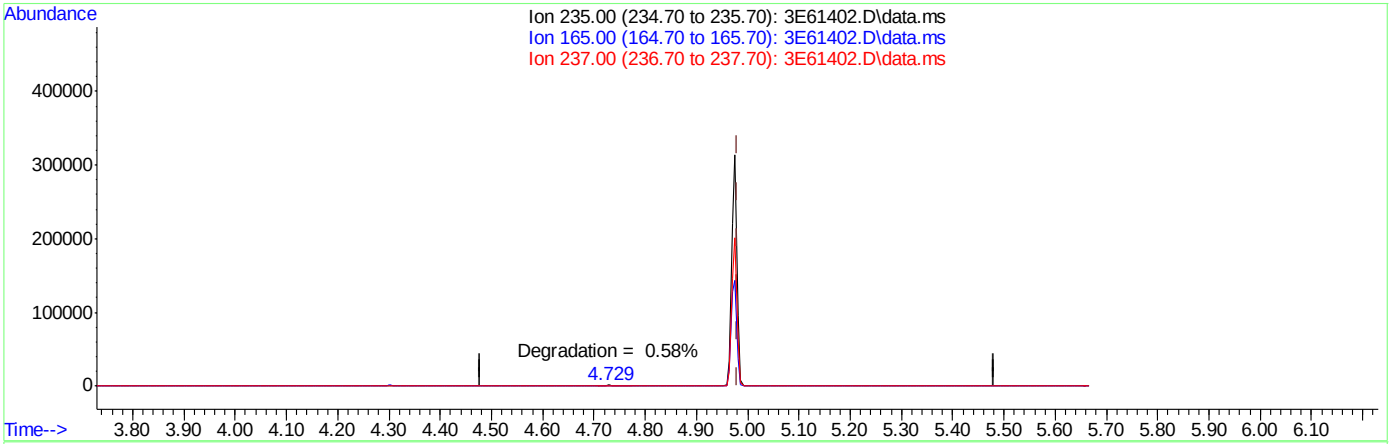
response 536260

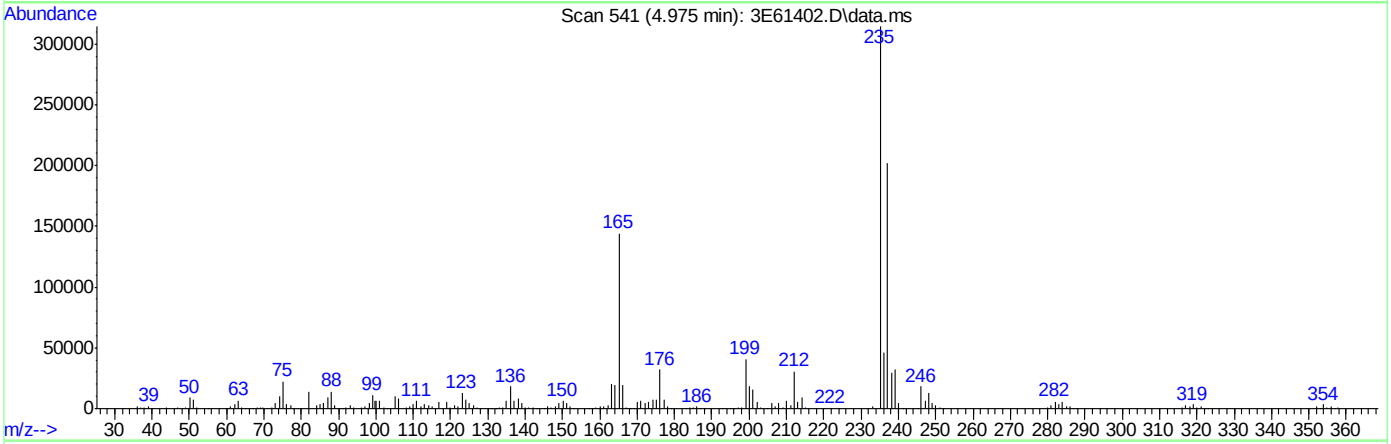
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.58
185.00	15.40	15.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(3) PP-DDT (t)

4.975min (-0.005) 52.25ppb

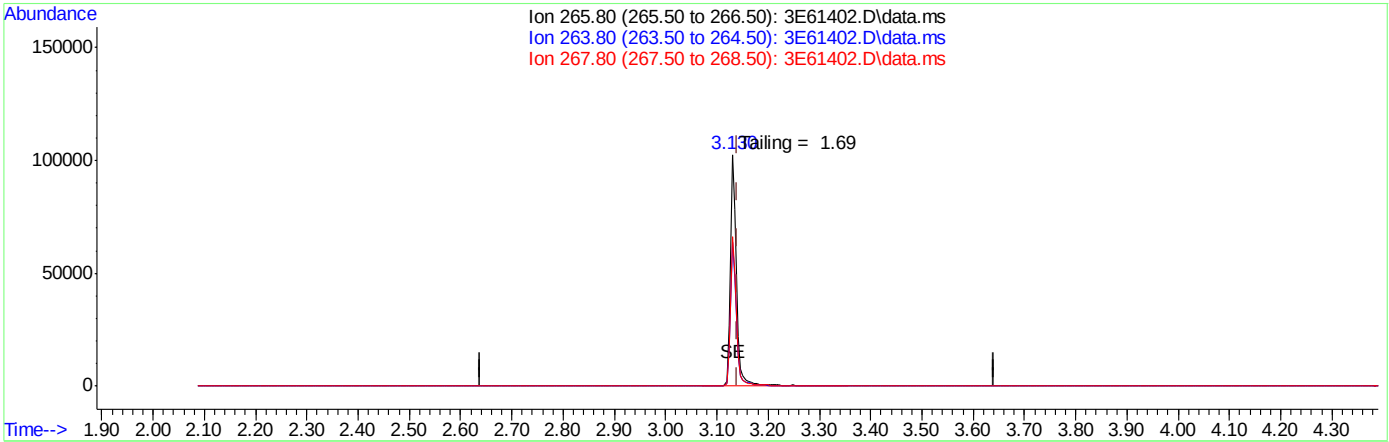
response 216914

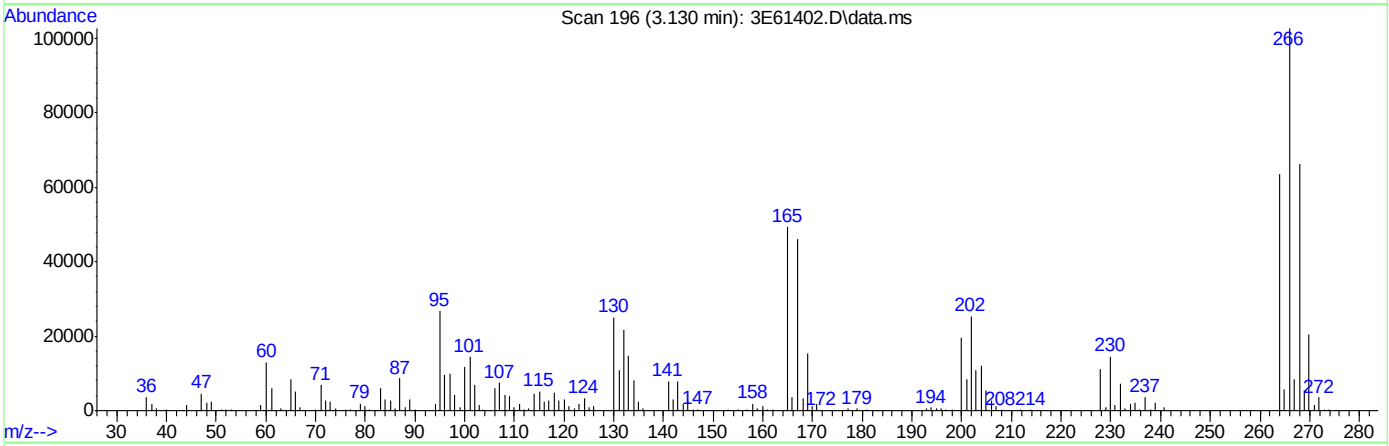
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	49.93#
237.00	0.10	64.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 09:21:08 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(1) Pentachlorophenol (t)

3.130min (-0.010) 53.39ppb

response 83436

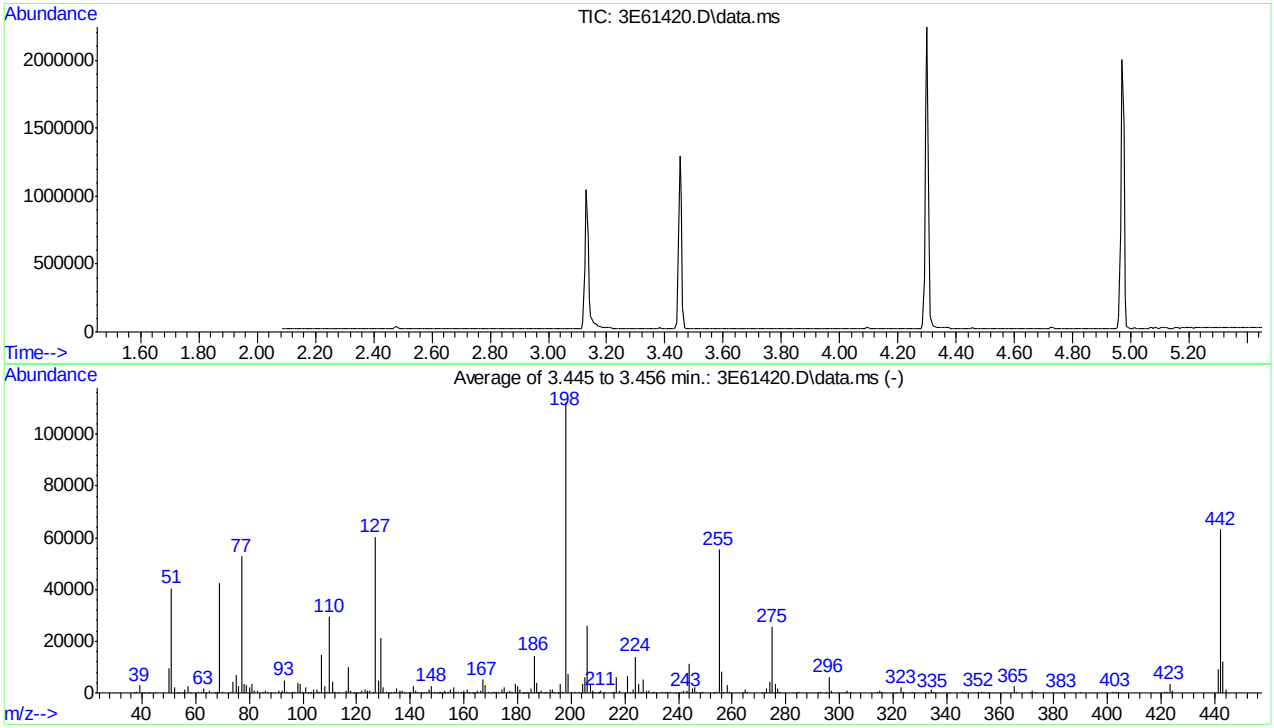
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.99
267.80	64.70	64.54
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.0	40405	PASS
68	69	0.00	2	1.4	583	PASS
69	198	0.00	100	37.8	42426	PASS
70	69	0.00	2	0.9	395	PASS
127	198	40	60	53.8	60445	PASS
197	198	0.00	1	0.5	543	PASS
198	198	100	100	100.0	112290	PASS
199	198	5	9	6.7	7568	PASS
275	198	10	30	22.6	25430	PASS
365	198	1	100	2.2	2418	PASS
441	443	0.10	100	77.1	9330	PASS
442	198	40	100	56.2	63104	PASS
443	442	17	23	19.2	12107	PASS

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	93	53.05	131	67.00	208	79.00	2857
38.00	456	54.00	52	67.90	158	80.00	2291
39.00	2832	55.00	158	68.10	583	81.00	3385
39.95	104	56.00	1108	69.00	42426	82.00	971
41.00	43	57.00	2818	70.00	395	83.00	898
42.00	53	58.00	82	73.00	268	84.95	603
43.05	10	61.05	555	74.00	4205	85.95	679
44.95	33	62.00	553	75.00	6773	87.00	505
50.05	9614	63.00	1710	76.10	2426	87.90	67
51.05	40405	64.00	226	77.10	52848	91.00	760
52.00	2238	65.00	888	78.10	3567	92.05	813

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	4972	103.05	461	116.00	780	127.05	60445
93.95	404	104.00	1138	117.05	10157	128.05	4675
94.95	63	105.00	1281	117.95	825	129.00	21255
96.05	360	106.00	388	119.00	68	130.00	1997
97.05	291	107.05	14966	120.05	209	131.00	385
98.00	3788	108.00	2587	121.00	62	131.80	59
99.00	3394	109.05	443	121.95	916	132.05	186
99.95	364	110.00	29328	123.00	1485	132.80	112
101.00	2172	111.05	4382	124.00	720	134.00	497
102.00	72	112.00	596	124.95	747	135.00	1787
102.80	132	112.95	144	126.05	178	136.00	715

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1011	149.00	642	157.05	459	168.05	3001
137.90	174	150.00	146	157.95	425	168.95	484
140.00	262	150.90	59	159.05	420	170.05	165
141.00	2548	151.10	267	159.95	778	171.05	246
142.05	815	151.75	139	161.05	1171	172.00	480
143.00	608	152.00	117	162.00	283	173.05	577
143.90	166	152.90	159	163.10	61	174.10	1101
145.05	184	153.05	665	163.90	135	175.05	2010
146.00	438	154.00	604	165.00	946	176.05	598
147.00	1293	155.00	1463	166.05	760	177.00	830
148.00	2764	156.05	2324	167.05	5055	177.95	249

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
179.00	3668	188.95	876	199.00	7568	210.40	247
180.05	2645	189.90	65	200.00	549	211.05	1050
181.05	1302	191.00	382	201.45	609	212.00	74
181.90	60	192.00	1112	203.00	655	215.05	208
182.15	141	193.05	1217	204.10	3636	216.05	535
182.90	60	193.95	276	205.10	5954	217.00	6151
183.95	325	195.00	154	206.10	25868	218.00	918
185.10	1935	195.20	63	207.10	3397	221.05	6454
186.10	14505	196.00	3492	208.05	860	221.90	145
187.10	4079	196.85	543	209.05	301	223.05	1387
188.00	430	198.00	112290	210.10	70	224.10	13978

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
225.10	3519	237.00	449	249.05	380	271.00	75
226.00	374	239.00	192	253.00	208	271.95	126
227.00	5199	240.00	171	254.05	341	273.00	1860
228.00	721	241.00	304	255.10	55346	274.10	4442

dftpp3e.M Tue Jun 10 08:43:00 2014 MS3E

229.00	1059	242.00	700	256.10	8186	275.10	25430
230.00	169	243.10	831	257.00	600	276.00	3368
231.00	474	244.10	11378	258.00	2836	277.00	1961
231.90	70	245.10	1542	259.10	491	278.00	287
233.95	297	246.00	1974	263.85	127	283.00	182
235.00	340	247.00	315	265.00	1144	284.05	141
236.00	253	248.00	137	265.90	334	285.05	340

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
292.10	60	321.00	184	346.90	51	389.95	117
293.00	415	323.10	2100	352.00	589	402.00	386
295.00	105	324.00	324	353.05	471	403.00	547
296.00	6240	327.00	319	354.00	583	403.95	154
297.00	840	328.00	219	355.00	115	421.00	481
302.00	53	331.95	152	365.00	2418	422.05	372
303.05	802	333.00	176	366.00	358	423.10	3358
303.95	160	334.10	1238	371.00	142	424.05	740
314.00	290	335.05	318	372.05	981	441.05	9330
315.00	697	341.00	198	373.05	221	442.10	63104
316.05	373	346.00	435	382.95	206	443.10	12107

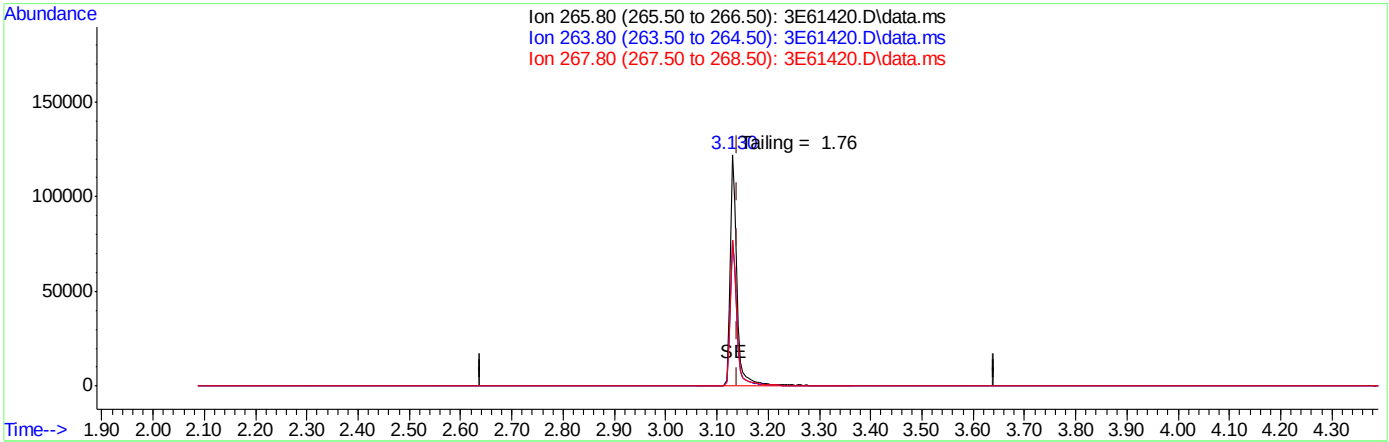
Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

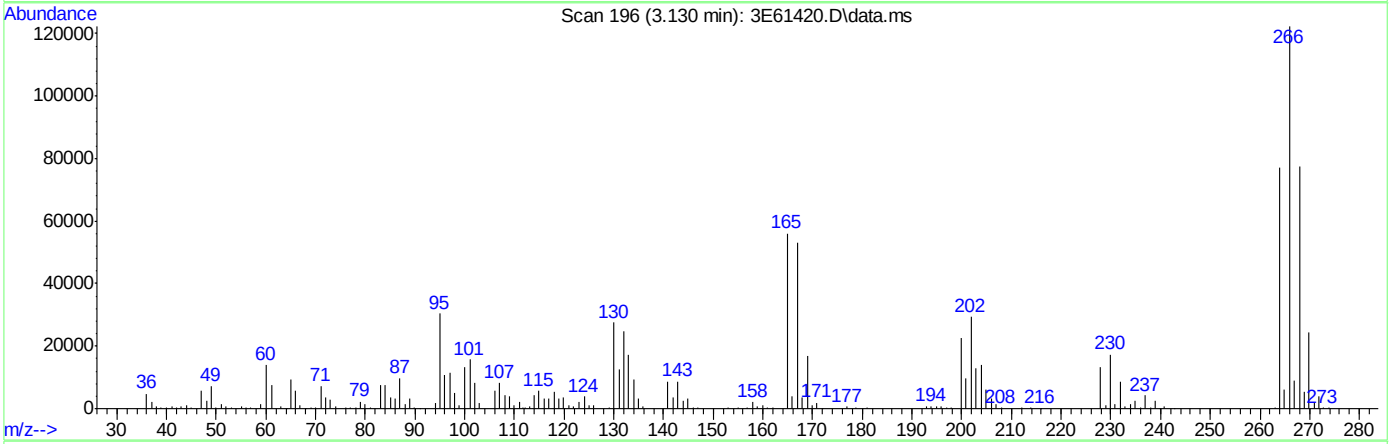
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	1101						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(1) Pentachlorophenol (t)

3.130min (-0.010) 71.06ppb

response 111059

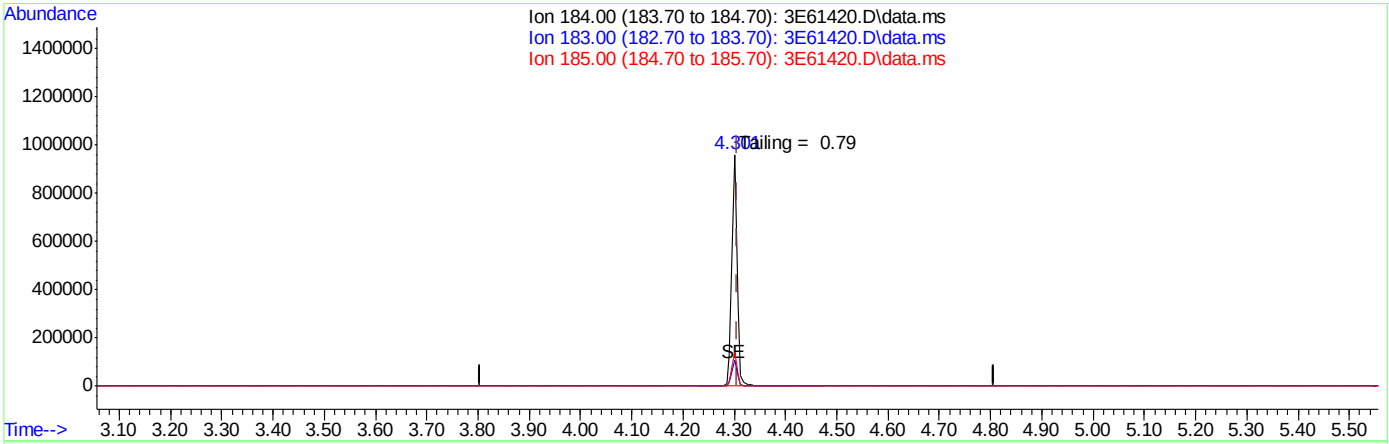
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.92
267.80	64.70	63.18
0.00	0.00	0.00

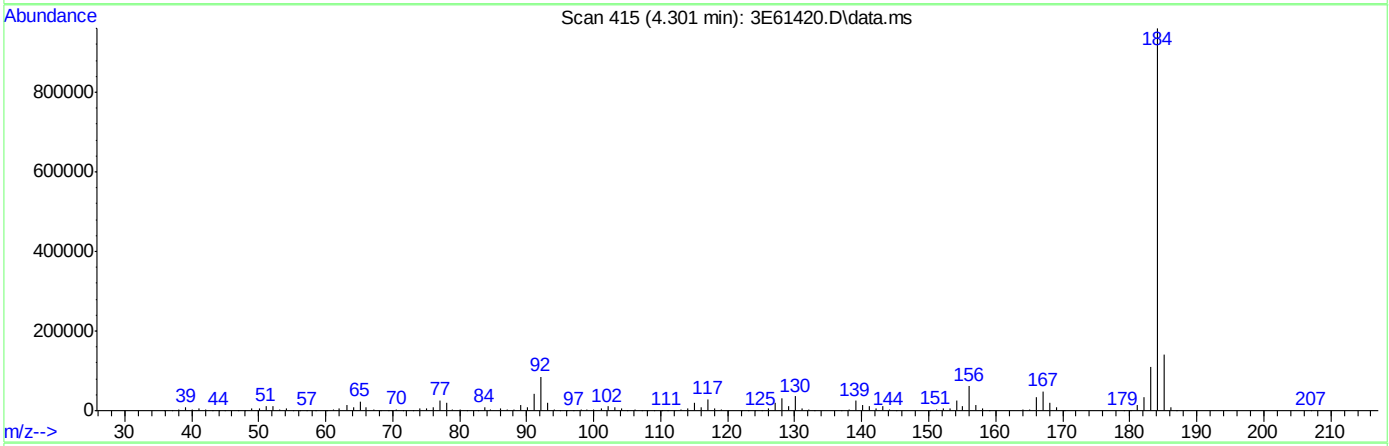
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 66.57ppb

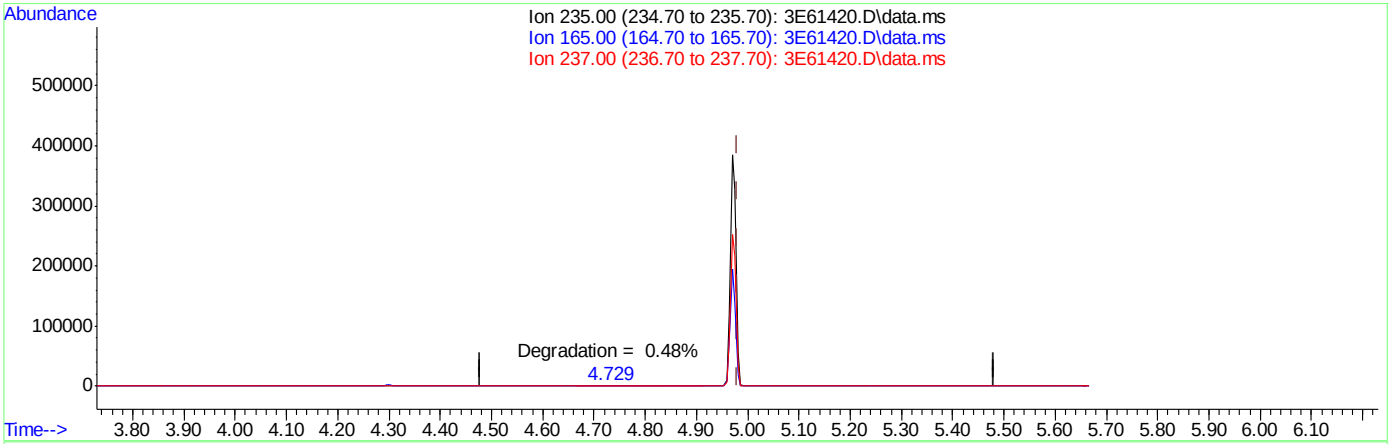
response 698996

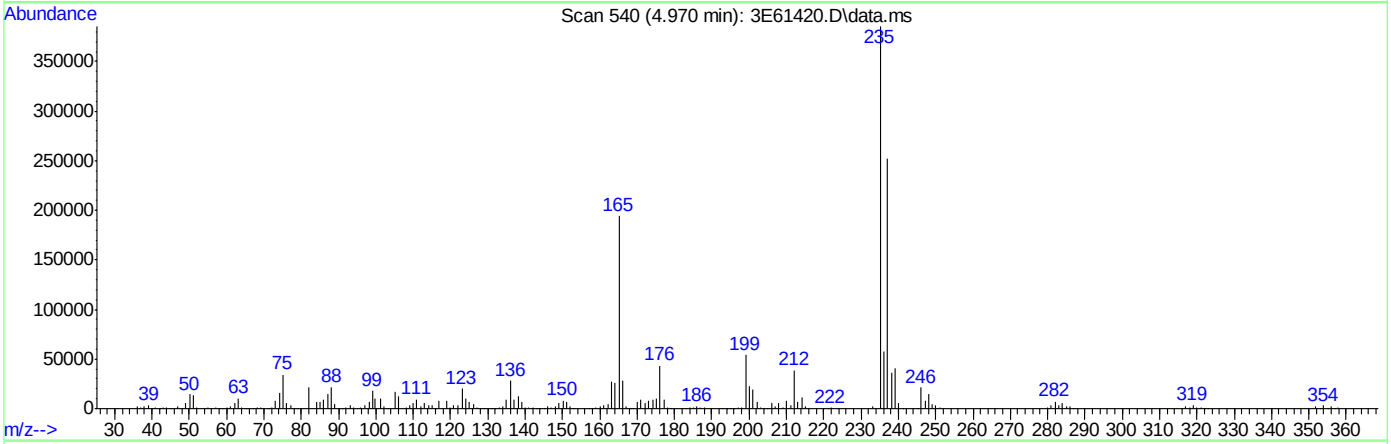
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.53
185.00	15.40	14.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(3) PP-DDT (t)

4.970min (-0.010) 69.67ppb

response 289257

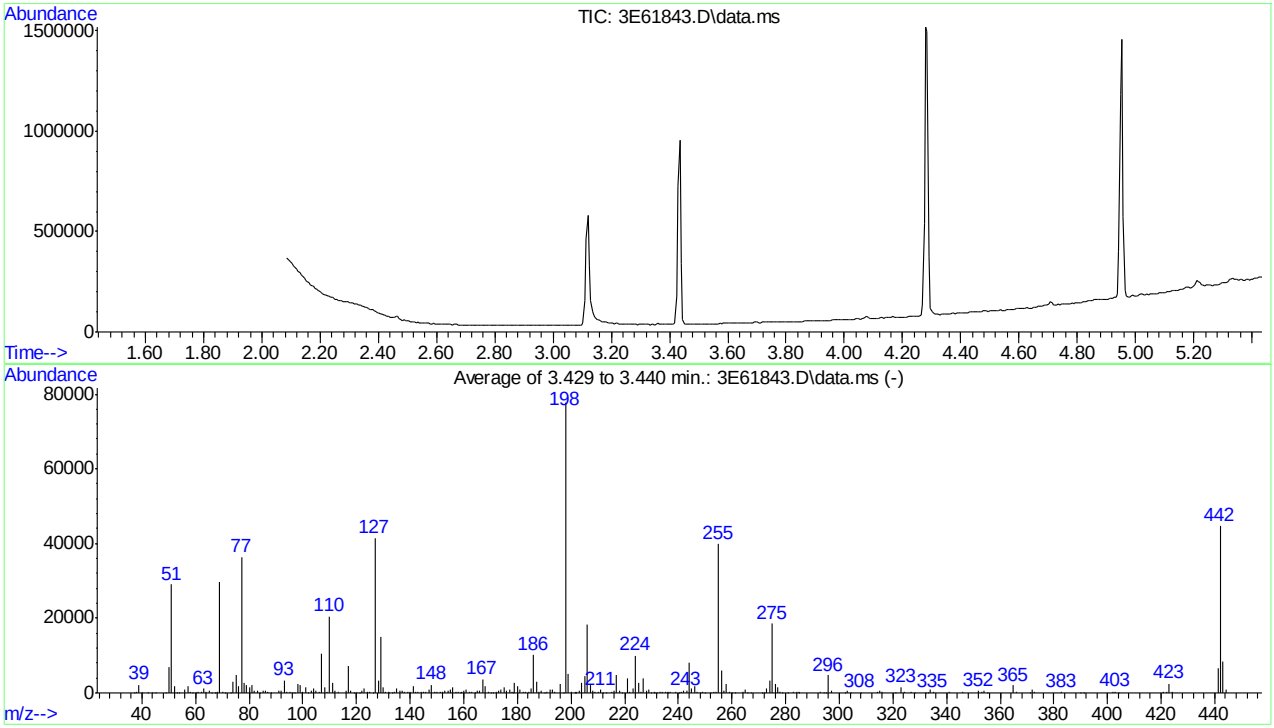
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.22#
237.00	0.10	65.53#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 252, 253, 254; Background Corrected with Scan 247

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.4	29053	PASS
68	69	0.00	2	1.0	292	PASS
69	198	0.00	100	38.3	29769	PASS
70	69	0.00	2	0.8	231	PASS
127	198	40	60	53.3	41471	PASS
197	198	0.00	1	0.2	127	PASS
198	198	100	100	100.0	77762	PASS
199	198	5	9	6.6	5150	PASS
275	198	10	30	23.9	18610	PASS
365	198	1	100	2.7	2089	PASS
441	443	0.10	100	78.0	6679	PASS
442	198	40	100	57.4	44658	PASS
443	442	17	23	19.2	8563	PASS

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.95	143	53.00	123	64.95	527	77.05	36377
38.00	248	54.00	21	65.95	119	78.10	2678
39.00	2125	56.00	806	67.05	90	79.00	2022
39.95	48	57.00	1855	68.00	292	80.00	1511
42.00	19	57.95	277	69.00	29769	81.00	2142
44.00	119	59.00	7	70.00	231	82.00	537
45.00	46	60.00	87	71.05	103	83.00	722
48.95	151	61.00	370	73.00	104	83.95	83
50.10	7047	62.00	385	74.00	2909	85.00	500
51.05	29053	63.00	1178	75.00	4810	85.90	597
52.05	1678	64.05	177	76.00	1792	87.00	311

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	144	101.00	1534	112.00	586	125.00	455
91.00	626	102.05	136	113.05	269	126.05	55
92.05	712	103.00	488	116.00	649	127.00	41471
93.00	3402	104.00	1074	116.95	7255	128.05	3285
94.00	248	105.00	709	118.00	683	129.00	15031
95.05	172	105.95	380	119.00	65	130.00	1430
96.00	141	107.00	10564	120.00	80	130.95	232
97.05	42	108.00	1645	121.00	27	131.90	184
98.00	2370	109.00	336	122.00	580	132.10	71
99.00	2155	110.00	20570	123.00	1138	133.05	41
99.90	179	111.00	2699	124.00	455	134.00	344

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.00	1099	146.00	427	157.00	287	167.00	3714
136.05	642	147.05	974	158.00	424	168.00	1818
137.00	643	148.00	2132	158.90	114	169.00	409
138.00	260	149.05	392	159.10	229	169.95	141
139.10	264	150.05	166	160.00	607	170.95	131
139.90	183	151.05	359	161.00	859	172.00	413
141.00	1782	152.05	307	162.00	388	173.00	526
142.00	457	153.05	670	163.10	284	174.00	874
143.00	366	154.00	506	164.10	117	175.00	1499
143.95	202	155.00	944	164.95	629	176.00	523
145.05	168	156.00	1552	166.05	678	177.00	775

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.00	261	188.05	296	200.05	454	210.15	307
178.20	81	189.05	540	201.30	56	211.05	796
179.00	2607	189.95	142	201.60	354	211.70	66
180.00	1877	190.90	403	202.00	65	213.00	60
181.00	964	192.00	942	203.05	572	215.00	184
182.05	291	193.05	826	204.05	2733	216.00	509
182.95	191	194.05	289	205.10	4643	217.00	4842
184.05	259	196.05	2282	206.05	18316	218.00	659
185.00	1334	197.10	127	207.05	2222	219.10	122
186.10	10073	198.00	77762	208.00	567	221.00	4022
187.00	2936	199.00	5150	209.00	341	221.80	182

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	1153	233.05	183	244.10	8219	256.05	6098
224.10	9908	233.95	313	245.05	1111	257.05	523
225.10	2644	235.05	359	246.00	1678	258.00	2333
226.10	324	235.90	169	247.00	317	259.00	459

dftpp3e.M Tue Jun 10 16:52:16 2014 MS3E

227.05	3911	236.20	64	248.00	66	260.00	56
228.00	611	237.00	420	248.95	375	261.10	55
229.00	1007	239.05	173	250.00	51	263.95	251
229.95	151	240.05	133	251.95	118	265.10	979
230.90	134	241.00	314	253.05	227	265.85	42
231.05	273	242.00	568	254.05	266	267.00	51
232.10	66	243.05	667	255.05	39797	271.05	121

Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.00	68	284.90	59	314.05	251	335.00	292
273.00	1322	285.10	195	315.00	518	341.00	179
274.05	3199	293.00	388	316.00	279	346.00	348
275.10	18610	294.10	57	321.00	156	352.05	467
276.05	2434	295.10	87	323.05	1506	352.95	398
277.00	1451	296.00	4750	324.10	326	354.05	483
278.05	283	297.00	703	326.95	358	355.00	60
278.90	52	302.00	56	328.00	79	365.00	2089
281.00	57	303.05	660	332.00	60	365.95	344
283.05	261	304.05	154	333.00	94	371.00	77
284.15	192	307.90	68	334.05	1014	372.00	802

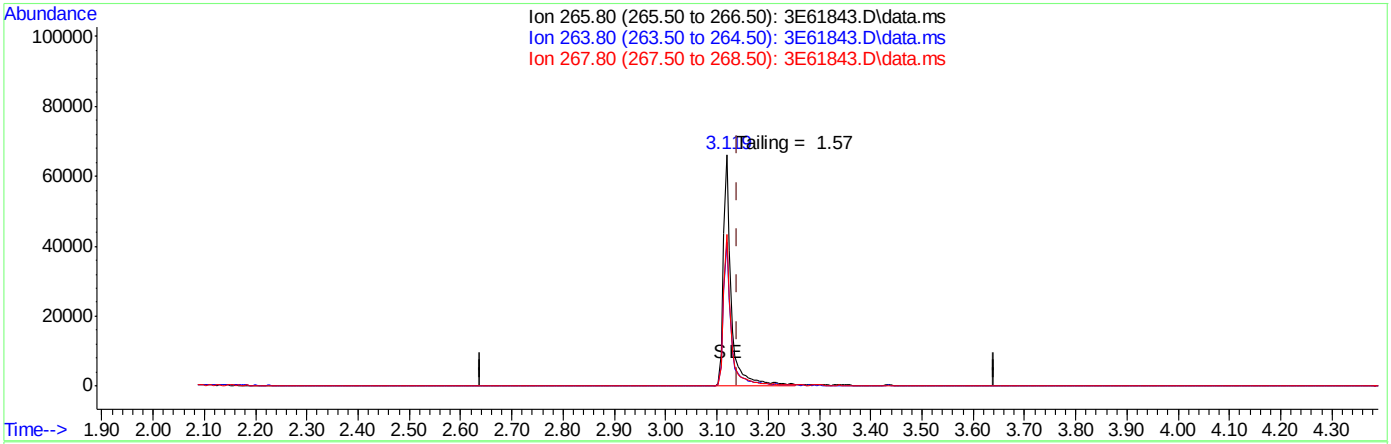
Average of 3.429 to 3.440 min.: 3E61843.D\data.ms
dftpp
Modified:subtracted

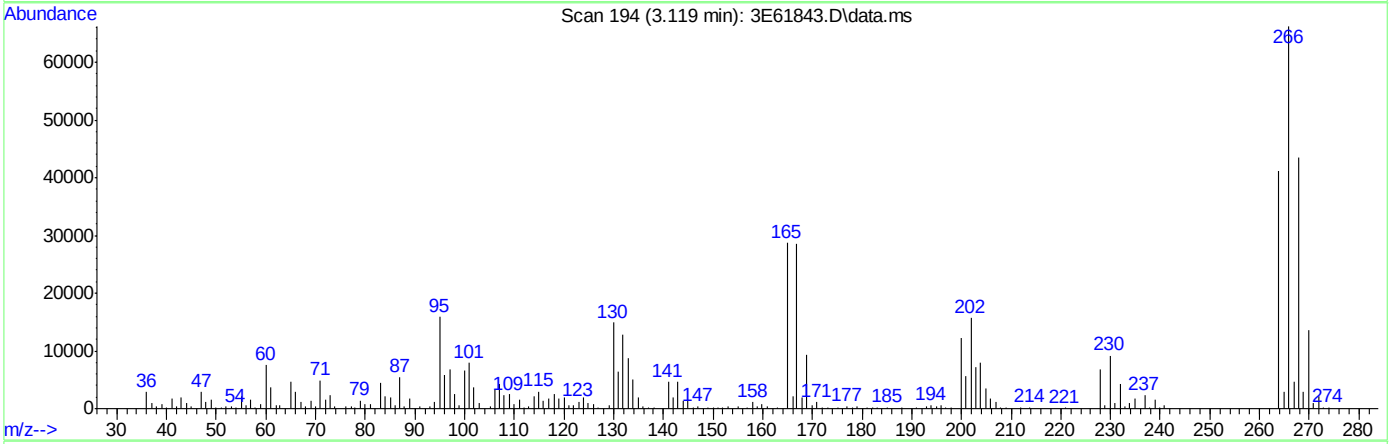
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
372.95	203	441.10	6679				
382.95	175	442.10	44658				
390.00	57	443.10	8563				
391.00	56	444.05	842				
402.00	241						
403.00	394						
404.10	72						
420.95	379						
422.05	273						
423.05	2431						
424.05	452						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:12:41 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61843.D\data.ms

(1) Pentachlorophenol (t)

3.119min (-0.021) 44.73ppb

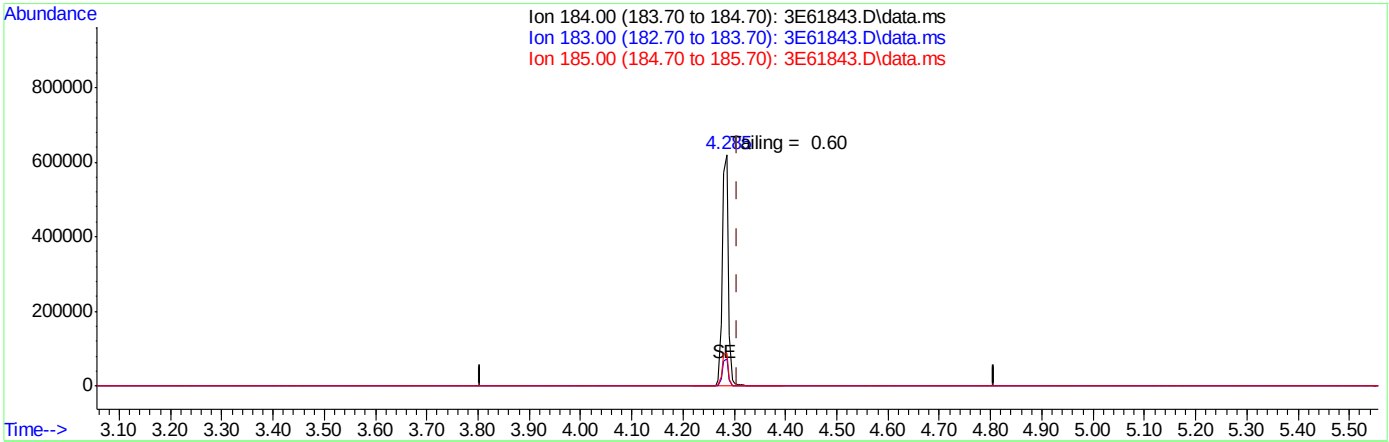
response 69898

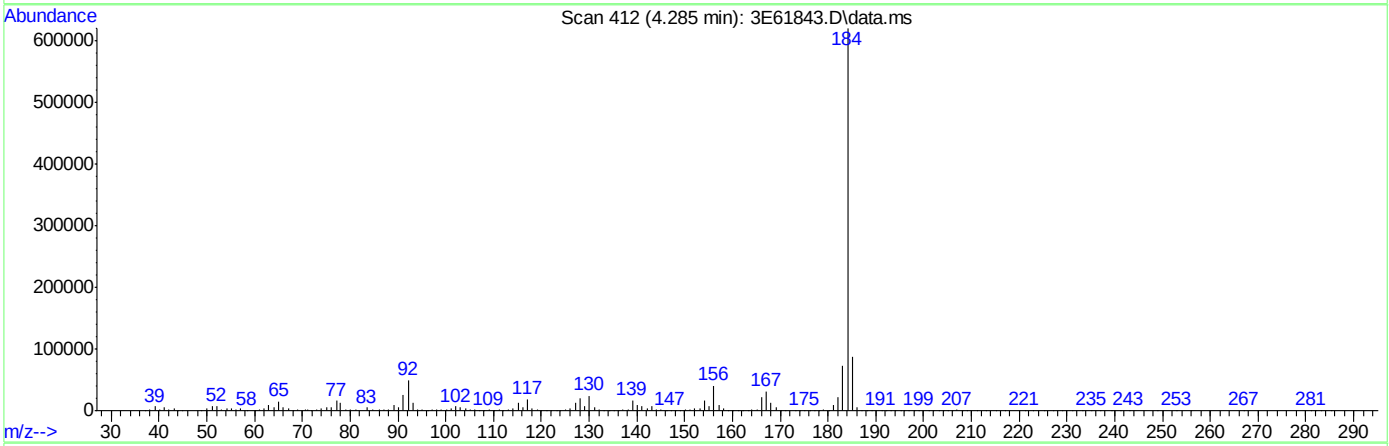
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.98
267.80	64.70	65.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:12:41 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61843.D\data.ms

(2) Benzidine (t)

4.285min (-0.021) 48.02ppb

response 504260

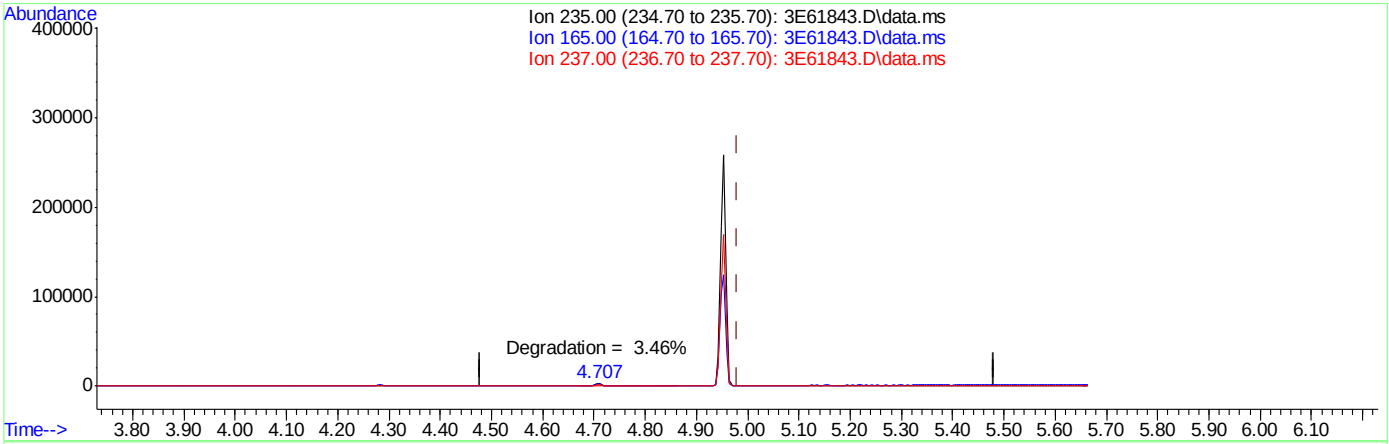
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.74
185.00	15.40	14.16
0.00	0.00	0.00

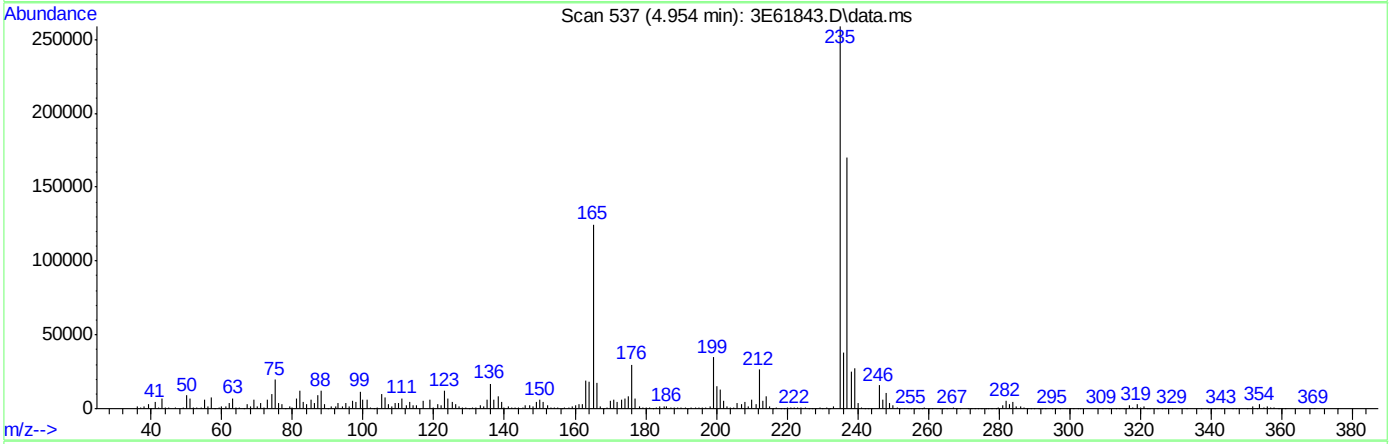
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61843.D
Acq On : 9 Jun 2014 9:06 am
Operator : saumilp
Sample : dftpp
Misc : op74977,e3e2653
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 09:12:41 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61843.D\data.ms

(3) PP-DDT (t)

4.954min (-0.027) 43.97ppb

response 182540

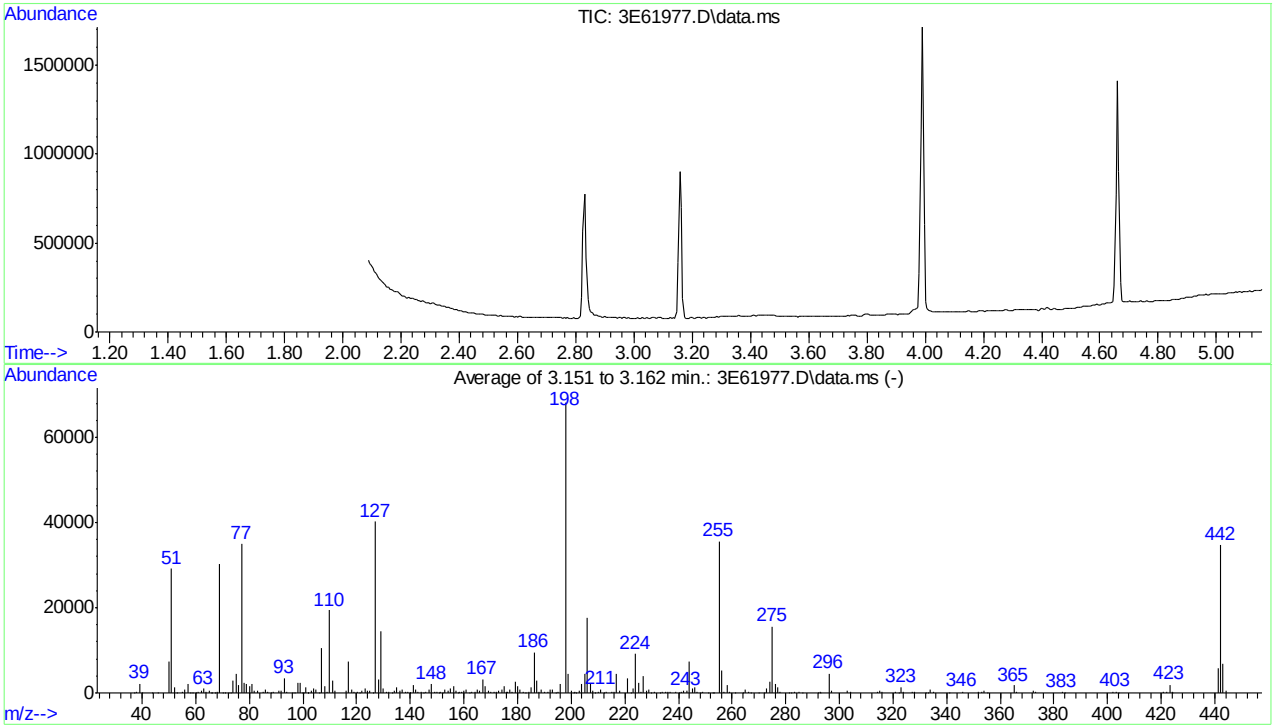
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	51.29#
237.00	0.10	64.86#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61977.D
Acq On : 12 Jun 2014 10:10 am
Operator : harpreek
Sample : dftpp
Misc : op75429,e3e2658
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 200, 201, 202; Background Corrected with Scan 195

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.8	29186	PASS
68	69	0.00	2	1.0	315	PASS
69	198	0.00	100	44.5	30310	PASS
70	69	0.00	2	0.3	87	PASS
127	198	40	60	59.0	40216	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	68160	PASS
199	198	5	9	6.6	4522	PASS
275	198	10	30	22.9	15640	PASS
365	198	1	100	2.7	1843	PASS
441	443	0.10	100	82.4	5746	PASS
442	198	40	100	50.9	34688	PASS
443	442	17	23	20.1	6971	PASS

Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	109	56.00	837	66.10	57	77.05	34965
37.95	402	57.00	2100	67.00	87	78.05	2394
39.10	2200	58.00	97	68.00	315	79.05	2016
39.95	89	59.00	102	69.00	30310	80.00	1599
43.95	3	59.95	38	69.95	87	81.05	2187
45.80	55	60.90	326	71.00	96	82.00	642
50.00	7371	62.00	413	72.00	121	83.00	472
51.00	29186	63.00	1029	73.00	47	85.00	347
52.00	1391	63.95	238	74.00	2908	85.95	905
53.00	96	65.00	637	75.00	4554	86.95	143
55.05	280	65.90	133	76.05	1813	87.95	123

Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.00	187	100.95	1318	111.00	2936	125.05	430
91.00	579	101.80	50	112.00	416	126.05	36
92.00	596	102.00	132	116.00	527	127.00	40216
93.00	3445	102.95	456	117.00	7331	128.05	3230
93.95	232	103.95	981	118.05	676	129.00	14500
96.00	118	104.95	694	119.00	270	130.00	1187
97.00	18	106.00	120	120.05	168	131.00	192
98.00	2383	107.00	10578	121.00	124	131.95	241
99.00	2253	108.00	1597	122.00	584	133.05	59
99.90	125	109.10	233	123.00	994	133.95	554
100.10	123	110.00	19458	124.00	412	135.00	1245

Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.95	504	145.95	354	156.05	1464	166.00	539
137.05	789	147.00	895	157.05	512	167.05	3210
138.05	242	148.00	2059	157.80	116	167.90	1676
139.00	146	148.95	392	158.10	352	169.05	444
139.90	138	150.05	287	158.95	305	170.15	151
140.10	108	150.90	105	160.00	619	171.05	145
140.95	1868	151.10	158	161.00	905	171.95	376
142.00	677	151.95	56	162.10	118	172.95	498
142.90	313	153.00	713	163.05	234	174.05	831
144.05	164	153.95	414	164.05	244	175.05	1532
145.05	36	155.05	1101	164.95	706	175.95	264

Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.20	220	187.05	2902	199.00	4522	208.90	109
177.00	711	188.00	298	200.05	423	210.05	250
178.00	185	188.95	697	200.80	54	211.00	798
179.00	2589	190.10	157	201.50	305	212.10	133
180.00	1713	191.10	184	201.80	75	213.00	175
181.00	797	192.05	889	202.95	555	215.05	284
182.05	281	193.05	871	204.00	2213	215.95	392
182.90	55	194.10	124	205.10	4363	217.00	4475
184.00	220	195.15	204	206.10	17550	218.00	633
185.00	1288	196.05	2199	207.05	2124	221.00	3523
186.10	9478	198.00	68160	208.00	573	222.10	99

Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	1099	235.00	326	247.05	284	261.00	56
224.05	9089	236.00	174	248.00	52	264.00	55
225.10	2347	237.00	309	249.00	249	265.00	828
226.05	264	238.95	229	251.10	72	265.95	277

dftpp3e.M Thu Jun 12 13:41:11 2014 MS3E

227.00	3860	240.05	128	252.90	72	267.00	52
227.95	634	241.00	232	253.10	114	269.90	51
229.05	718	242.00	459	255.05	35642	272.00	63
229.90	112	243.05	654	256.00	5280	273.00	1022
231.05	402	244.10	7266	257.00	337	274.05	2714
233.00	81	245.05	1080	258.00	1920	275.05	15640
233.85	273	246.05	1319	259.05	313	276.00	2246

Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
277.05	1434	297.05	608	327.95	140	365.00	1843
277.95	253	303.10	444	332.05	125	366.00	220
281.00	83	303.95	158	333.10	92	372.10	576
282.00	50	314.00	180	334.00	832	373.00	159
283.15	169	315.00	407	335.00	220	383.00	188
285.05	231	316.05	294	341.00	131	383.90	64
286.10	60	321.00	149	345.90	264	402.05	194
292.15	128	322.10	54	352.00	258	403.05	281
292.80	51	323.10	1375	353.00	258	403.90	62
292.95	271	324.00	310	354.00	431	420.90	201
296.00	4523	327.05	279	355.10	70	422.10	220

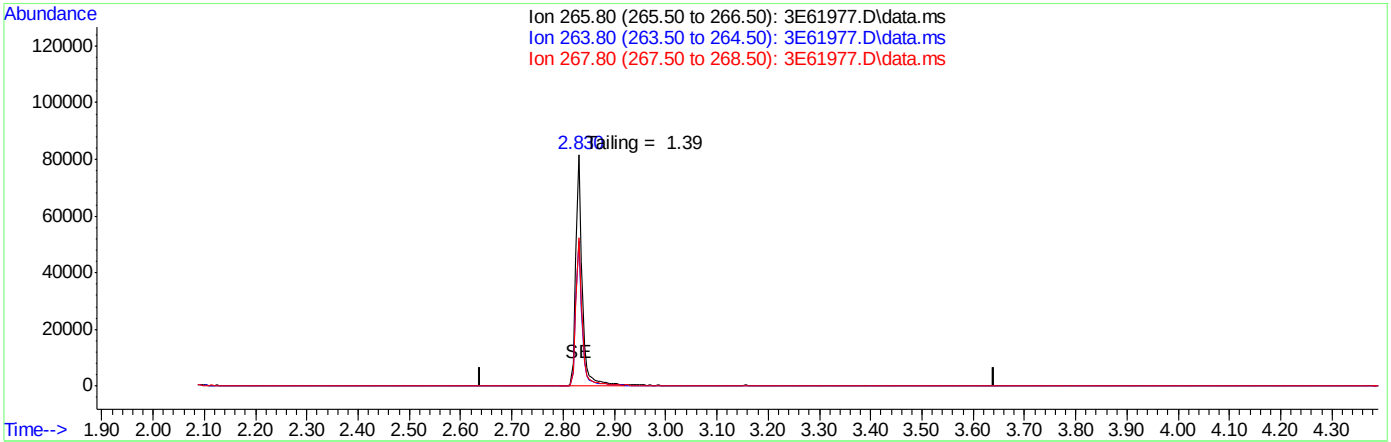
Average of 3.151 to 3.162 min.: 3E61977.D\data.ms
dftpp
Modified:subtracted

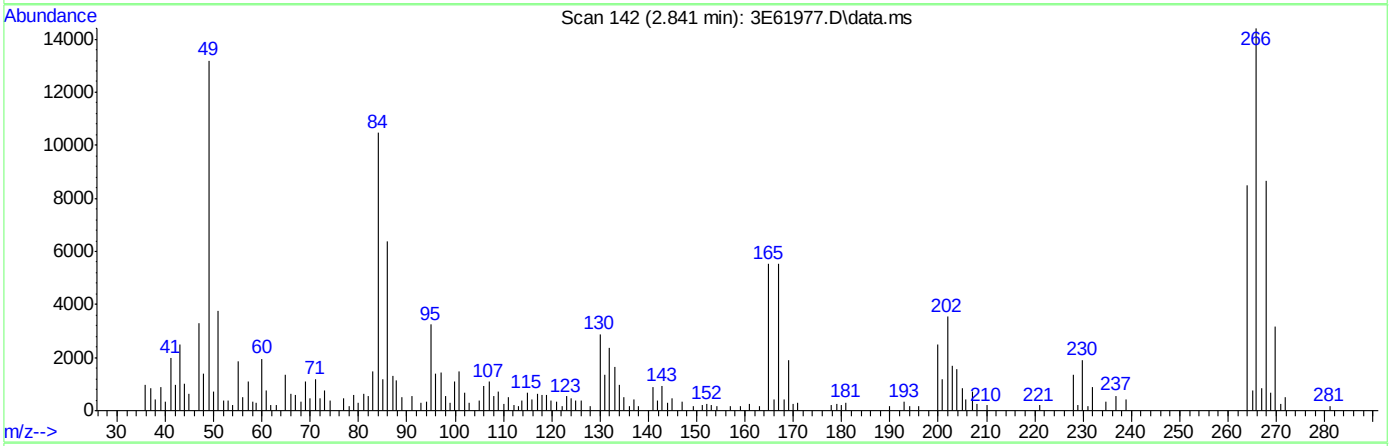
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.10	1965						
423.90	53						
424.05	326						
441.10	5746						
442.10	34688						
443.10	6971						
444.00	667						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61977.D
Acq On : 12 Jun 2014 10:10 am
Operator : harpreek
Sample : dftpp
Misc : op75429,e3e2658
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 10:19:12 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61977.D\data.ms

(1) Pentachlorophenol (t)

3.140min (-3.140) 0.00ppb

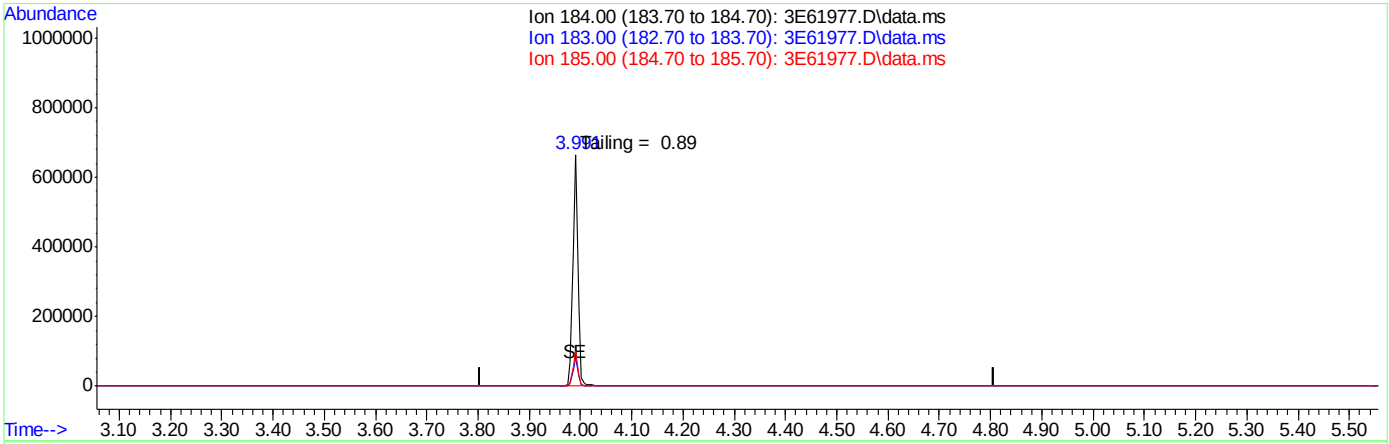
response 0

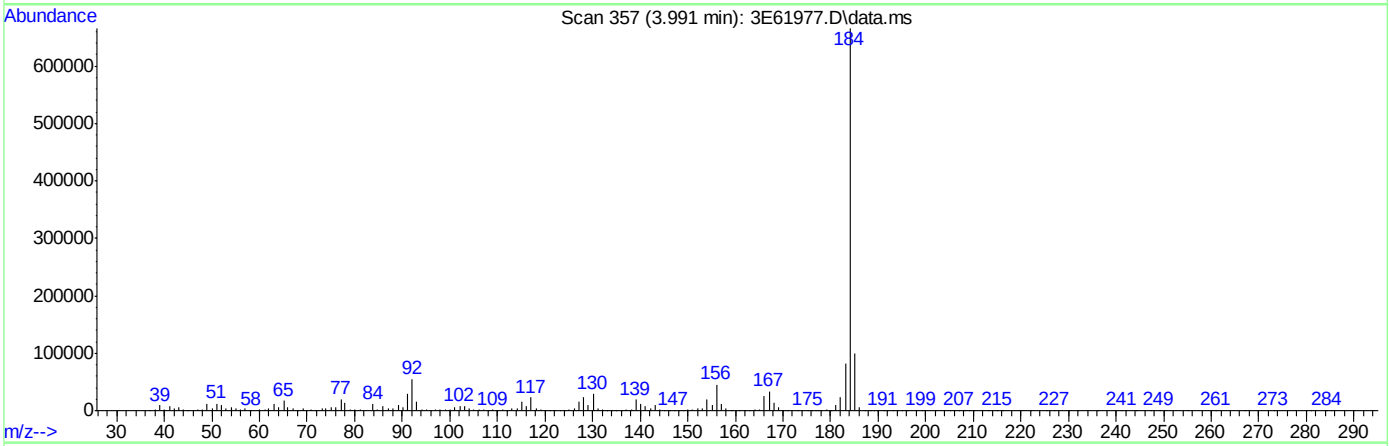
Ion	Exp%	Act%
265.80	100	0.00
263.80	62.20	0.00#
267.80	64.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61977.D
Acq On : 12 Jun 2014 10:10 am
Operator : harpreek
Sample : dftpp
Misc : op75429,e3e2658
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 10:19:12 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61977.D\data.ms

(2) Benzidine (t)

4.306min (-4.306) 0.00ppb

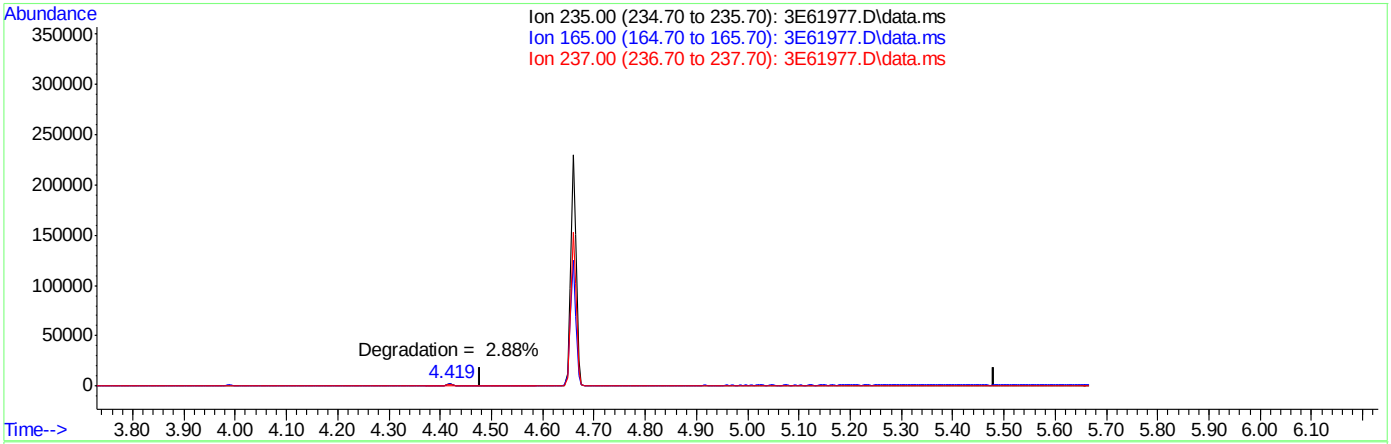
response 0

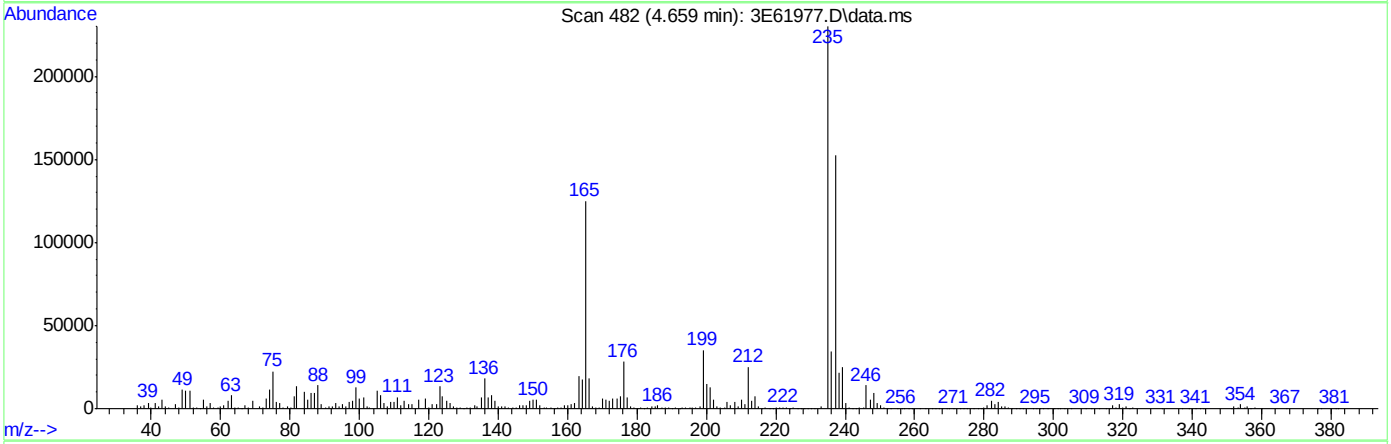
Ion	Exp%	Act%
184.00	100	0.00
183.00	13.20	0.00
185.00	15.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61977.D
Acq On : 12 Jun 2014 10:10 am
Operator : harpreek
Sample : dftpp
Misc : op75429,e3e2658
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 10:19:12 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61977.D\data.ms

(3) PP-DDT (t)

4.980min (-4.980) 0.00ppb

response 0

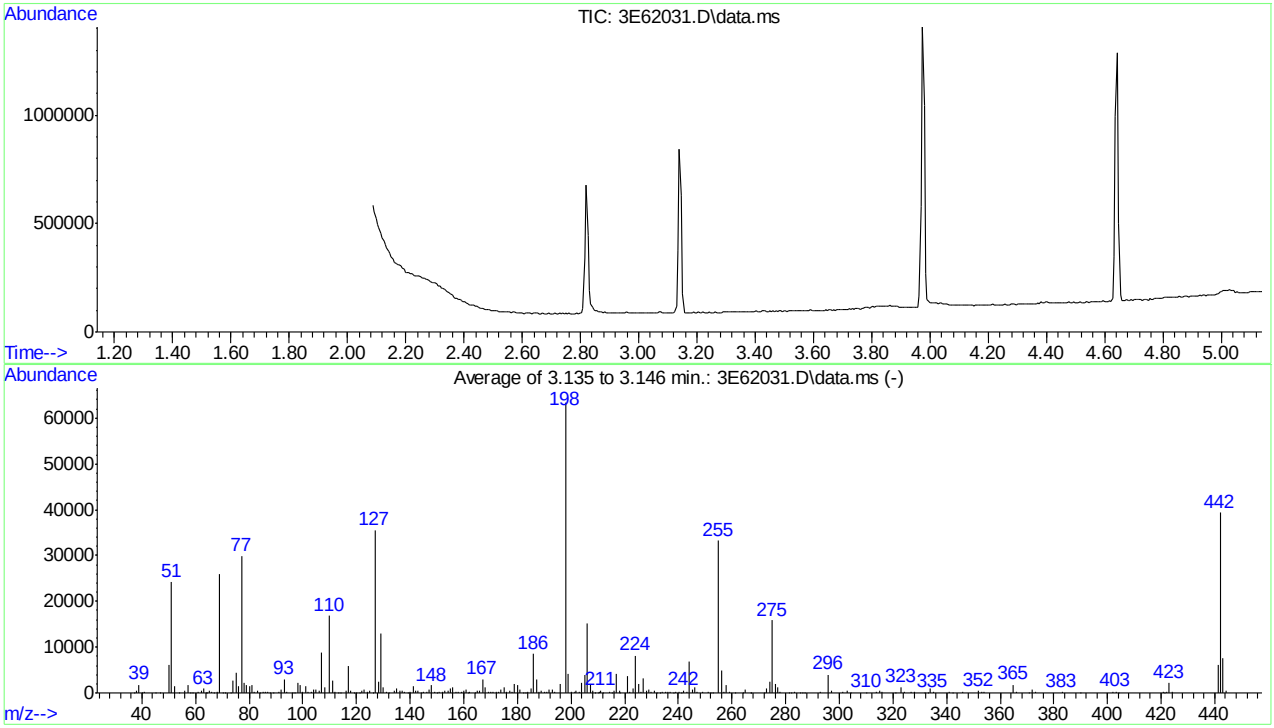
Ion	Exp%	Act%
235.00	100	0.00
165.00	0.10	0.00#
237.00	0.10	0.00#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62031.D
Acq On : 13 Jun 2014 11:54 am
Operator : olgaa
Sample : dftpp
Misc : op75470,e3e2660,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
Last Update : Fri Jun 13 14:27:24 2014



AutoFind: Scans 197, 198, 199; Background Corrected with Scan 190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.1	24129	PASS
68	69	0.00	2	0.5	139	PASS
69	198	0.00	100	40.9	25904	PASS
70	69	0.00	2	0.2	64	PASS
127	198	40	60	56.0	35513	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	63390	PASS
199	198	5	9	6.5	4143	PASS
275	198	10	30	25.1	15892	PASS
365	198	1	100	2.7	1741	PASS
441	443	0.10	100	80.4	6158	PASS
442	198	40	100	62.1	39382	PASS
443	442	17	23	19.4	7657	PASS

Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.95	53	56.00	584	67.00	47	79.00	1643
38.00	401	57.00	1772	68.00	139	80.00	1511
39.00	1842	58.00	61	69.00	25904	81.00	1840
39.90	107	58.90	129	70.00	64	81.95	360
41.05	138	60.95	260	71.00	53	83.05	613
45.00	59	62.00	452	73.00	38	83.95	34
46.95	89	62.95	956	74.05	2688	85.00	308
49.95	6202	63.90	113	75.00	4302	85.90	328
51.00	24129	64.15	120	76.00	1393	86.90	151
52.00	1395	64.95	493	77.05	29908	87.90	9
54.00	1	66.05	132	78.00	2092	88.90	120

Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	357	103.00	374	116.00	563	127.00	35513
92.00	658	104.00	832	117.00	5946	128.05	2547
93.00	3062	105.00	844	118.00	461	129.00	13019
94.00	186	106.10	400	119.05	68	130.00	1119
95.95	102	107.00	8729	120.00	85	131.10	157
97.00	17	108.05	1341	121.05	71	132.00	49
98.00	2154	110.00	16864	122.00	563	134.00	428
98.95	1818	111.05	2616	123.00	805	135.05	1068
100.00	286	111.90	263	123.95	305	136.10	461
100.95	1391	113.00	101	125.00	380	137.00	487
102.05	157	113.90	79	126.10	129	138.05	250

Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.05	24	150.10	124	161.00	722	171.95	166
140.15	206	151.00	336	161.80	57	173.05	208
141.00	1550	151.95	235	161.95	249	174.00	709
142.05	549	153.00	575	164.10	87	175.05	1195
143.05	395	154.00	422	165.00	592	176.00	334
144.00	42	155.00	1006	166.00	407	176.95	477
145.05	211	156.00	1345	167.00	3044	178.05	231
146.05	306	157.05	231	168.00	1329	179.00	2078
147.00	685	157.95	245	169.05	236	180.05	1712
148.05	1666	159.05	191	170.05	225	181.00	682
149.05	208	160.00	567	171.05	170	182.05	113

Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
183.05	88	194.05	296	207.05	1947	217.90	98
184.00	168	196.00	2056	208.05	558	218.10	547
185.10	915	198.00	63390	209.10	6	221.05	3626
186.10	8551	199.00	4143	210.00	76	221.90	143
187.05	2857	200.00	327	210.40	153	223.00	1037
187.95	211	201.25	362	211.10	499	224.05	8105
189.00	498	201.75	390	212.00	115	225.10	1894
189.95	145	203.00	363	214.15	191	226.10	292
191.05	207	204.05	2234	215.10	72	227.00	3261
191.90	634	205.05	3832	216.00	387	228.00	590
193.05	768	206.10	15260	217.00	4158	229.00	723

Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
229.90	145	241.10	93	255.00	33203	273.05	1028
231.05	399	242.05	559	256.10	4901	274.00	2562
232.00	71	243.00	306	257.10	315	275.05	15892
233.10	55	244.05	6893	258.00	1696	276.05	2073

dftpp3e.M Fri Jun 13 14:28:08 2014 MS3E

234.00	263	245.10	857	259.05	358	277.00	1204
235.05	354	246.05	1144	261.00	54	278.05	199
235.95	141	247.05	323	263.90	54	281.05	41
237.10	224	248.95	318	264.95	774	281.90	62
238.10	17	251.10	135	267.00	50	283.10	200
239.15	265	252.10	30	267.20	61	285.20	95
240.10	145	252.90	93	272.00	54	286.30	97

Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
287.15	106	321.10	110	346.00	252	401.95	227
293.00	247	323.05	1240	352.05	429	403.05	327
296.00	4027	324.10	201	353.00	223	403.90	60
297.00	580	326.90	215	354.10	315	420.90	136
301.15	142	327.95	154	365.00	1741	421.10	112
303.05	500	331.80	50	366.00	278	422.05	260
304.00	106	333.00	89	370.70	51	423.10	2167
310.10	56	334.05	907	372.05	640	423.95	371
314.00	223	334.95	178	373.10	145	441.10	6158
314.95	413	340.95	147	383.00	175	442.10	39382
316.05	227	342.10	53	389.90	75	443.10	7657

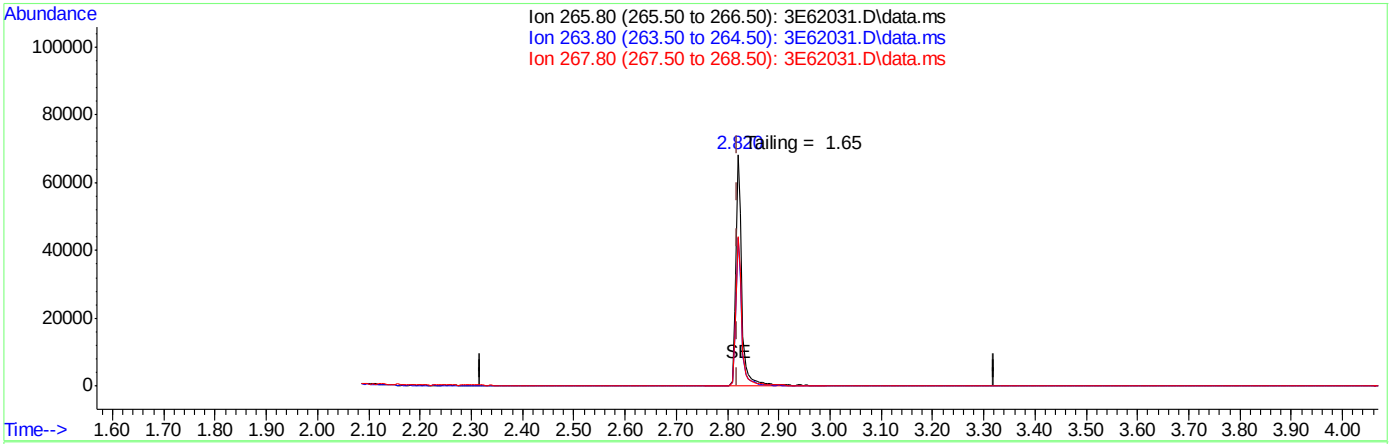
Average of 3.135 to 3.146 min.: 3E62031.D\data.ms
dftpp
Modified:subtracted

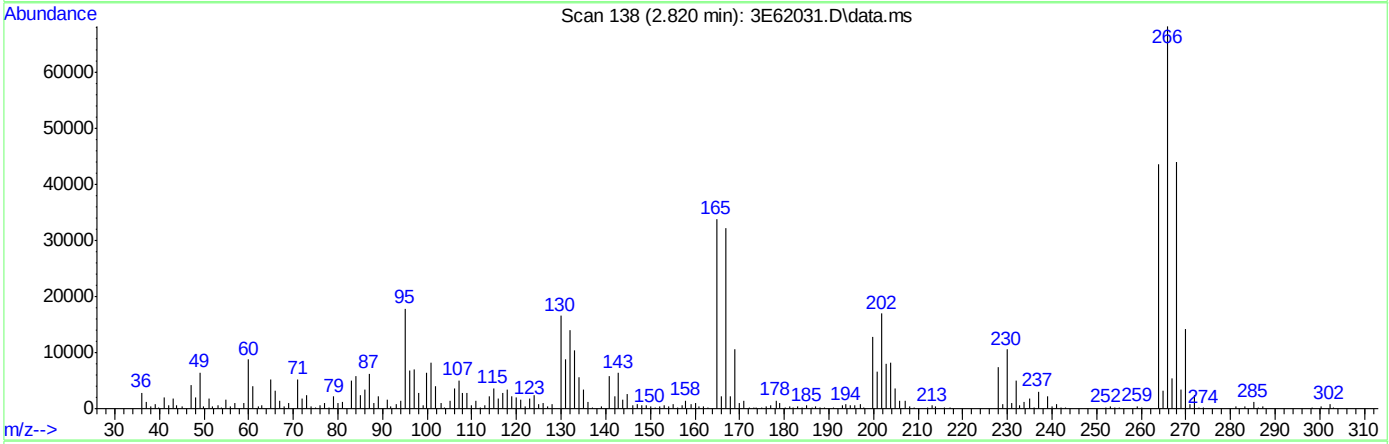
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.05	592						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62031.D
Acq On : 13 Jun 2014 11:54 am
Operator : olgaa
Sample : dftpp
Misc : op75470,e3e2660,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 14:27:30 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62031.D\data.ms

(1) Pentachlorophenol (t)

2.820min (0.000) 36.42ppb

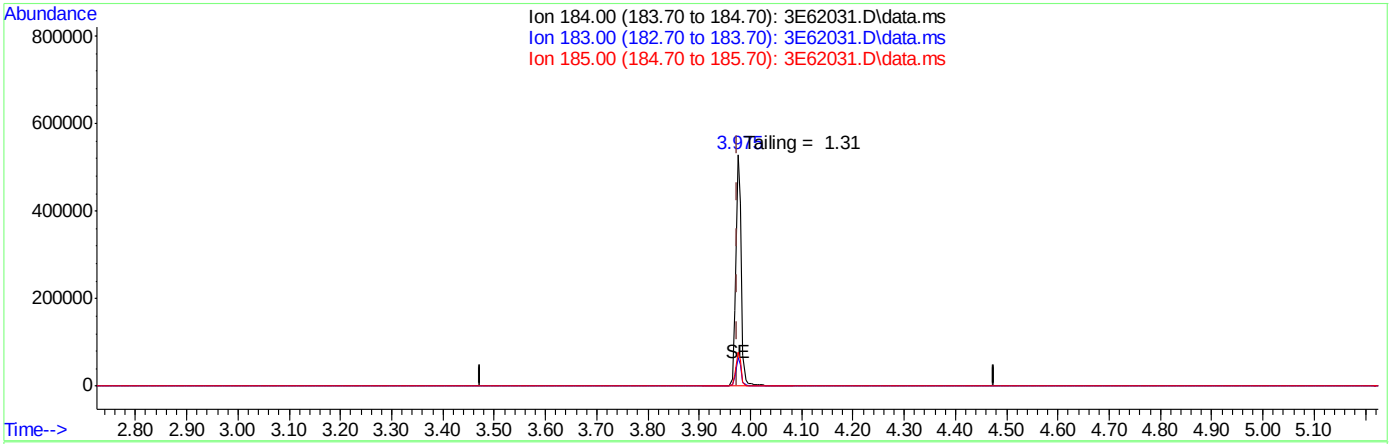
response 56923

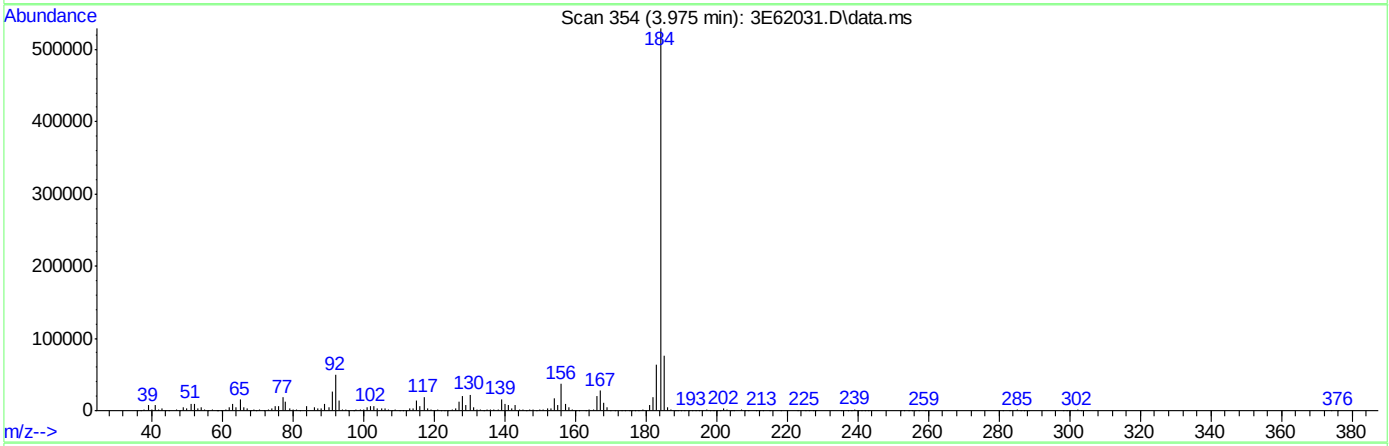
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	63.85
267.80	64.70	64.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62031.D
Acq On : 13 Jun 2014 11:54 am
Operator : olgaa
Sample : dftpp
Misc : op75470,e3e2660,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 14:27:30 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62031.D\data.ms

(2) Benzidine (t)

3.975min (0.000) 38.48ppb

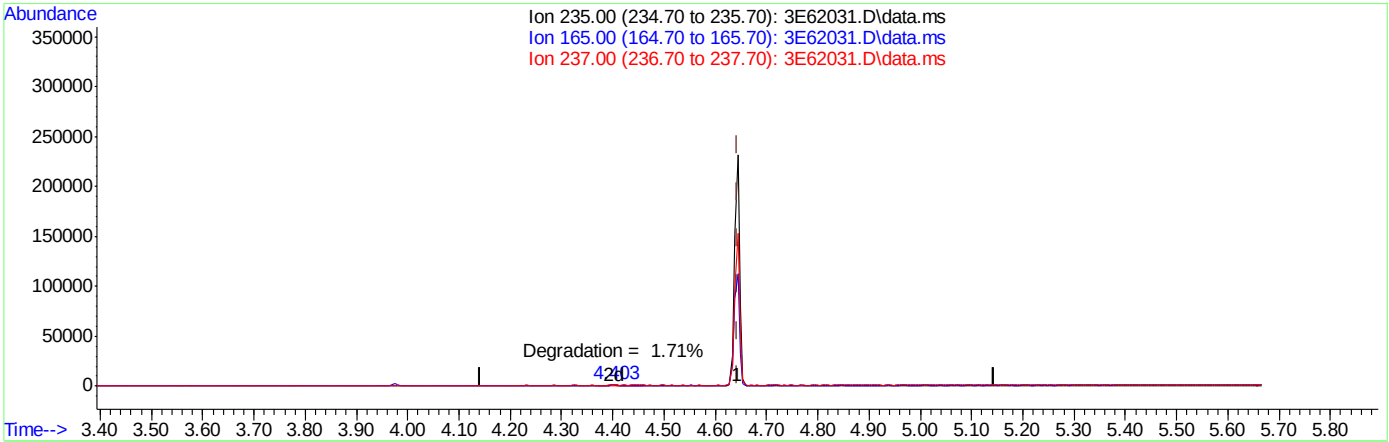
response 404028

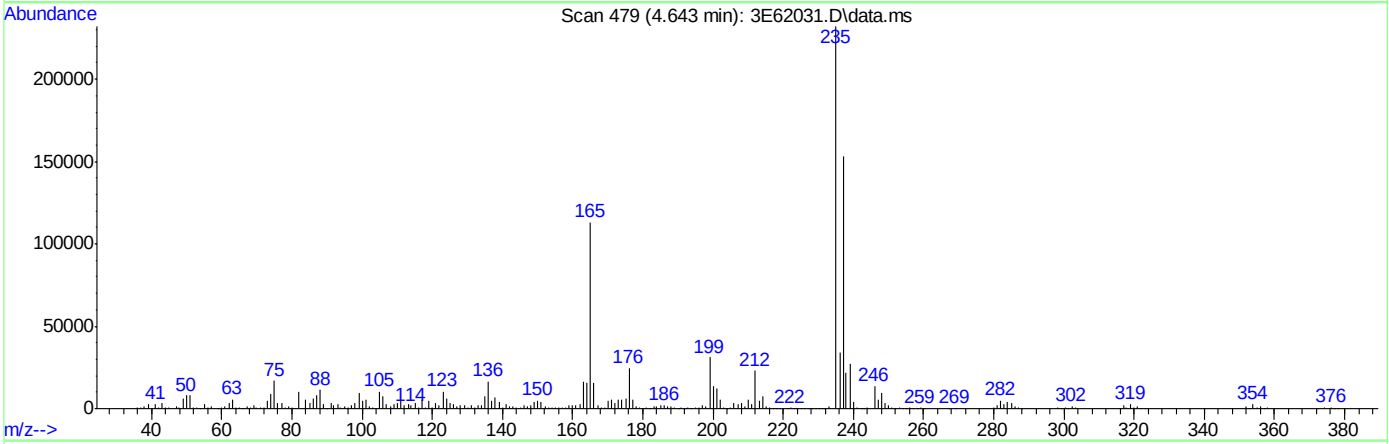
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.98
185.00	15.40	14.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62031.D
Acq On : 13 Jun 2014 11:54 am
Operator : olgaa
Sample : dftpp
Misc : op75470,e3e2660,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 14:27:30 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62031.D\data.ms

(3) PP-DDT (t)

4.643min (0.000) 39.05ppb

response 162130

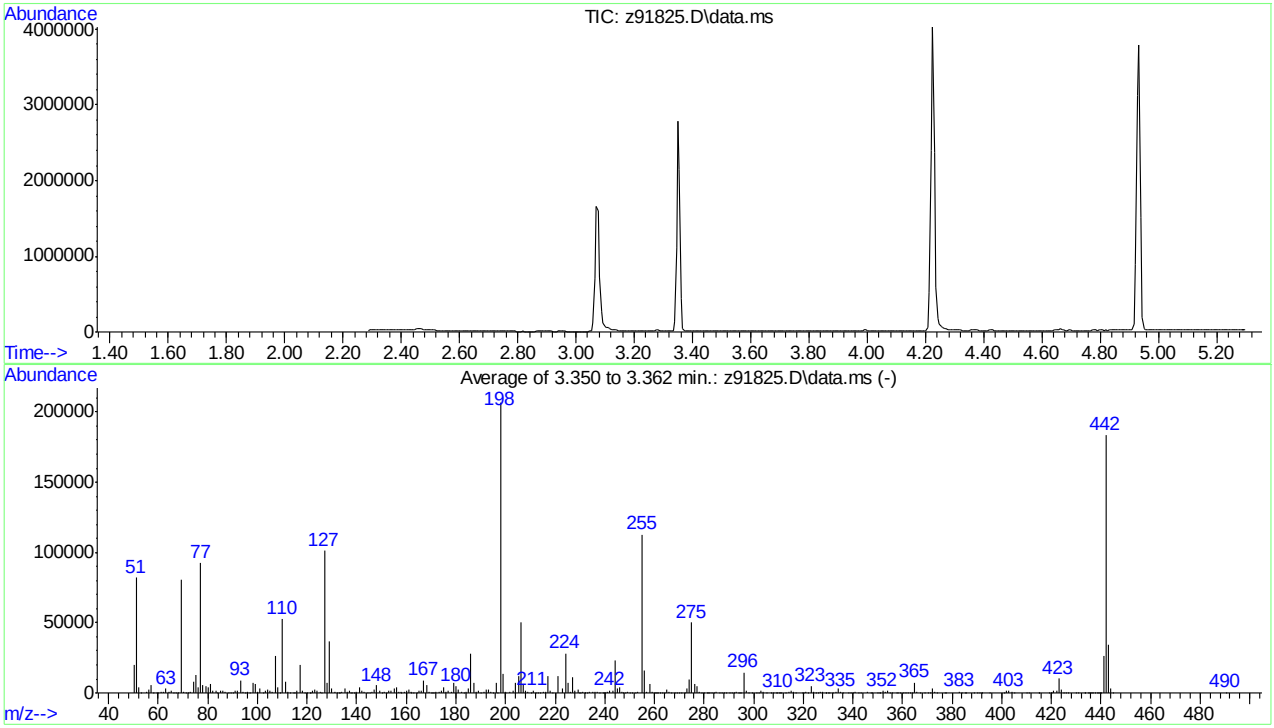
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	50.84#
237.00	0.10	65.32#
0.00	0.00	0.00

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

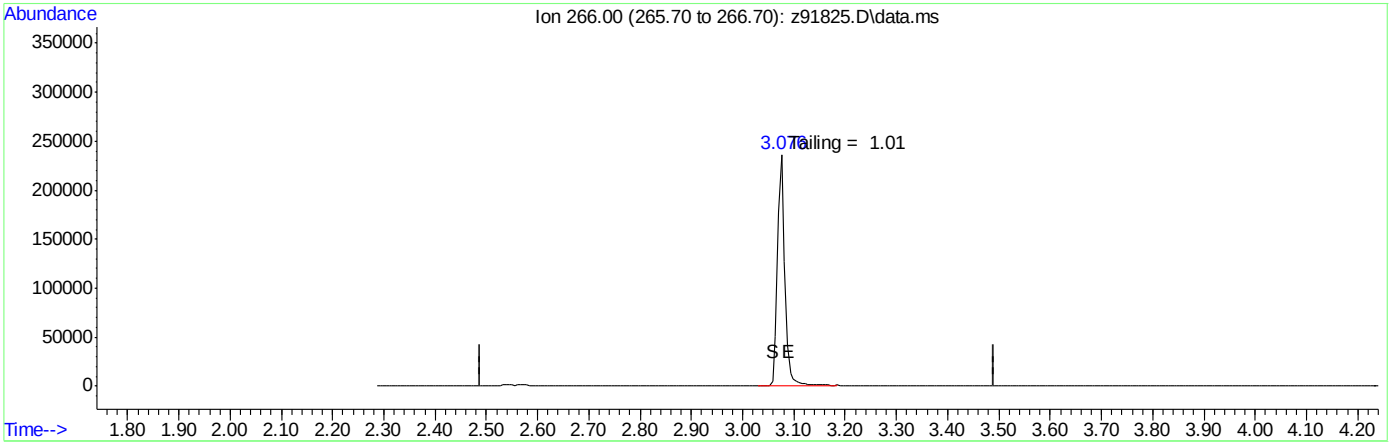
Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

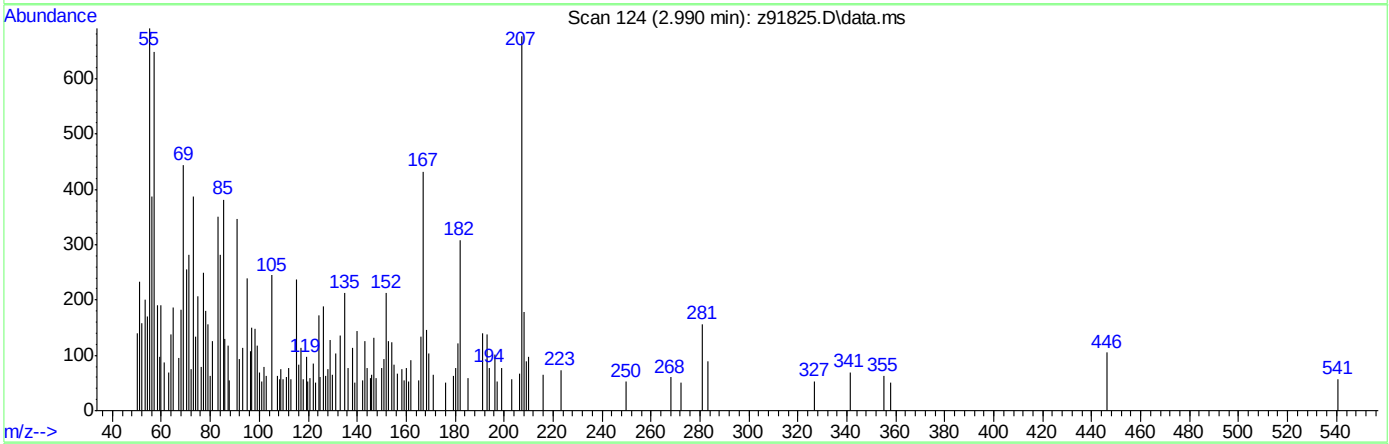
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.90	23	433.40	21	439.80	46		
420.10	27	433.60	22	440.00	75		
421.00	1445	434.90	22	441.05	26182		
422.05	1357	435.45	49	442.10	183933		
423.05	10226	435.90	70	443.10	34432		
424.00	2224	436.30	39	444.00	2922		
425.10	177	436.80	34	444.95	232		
426.00	26	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

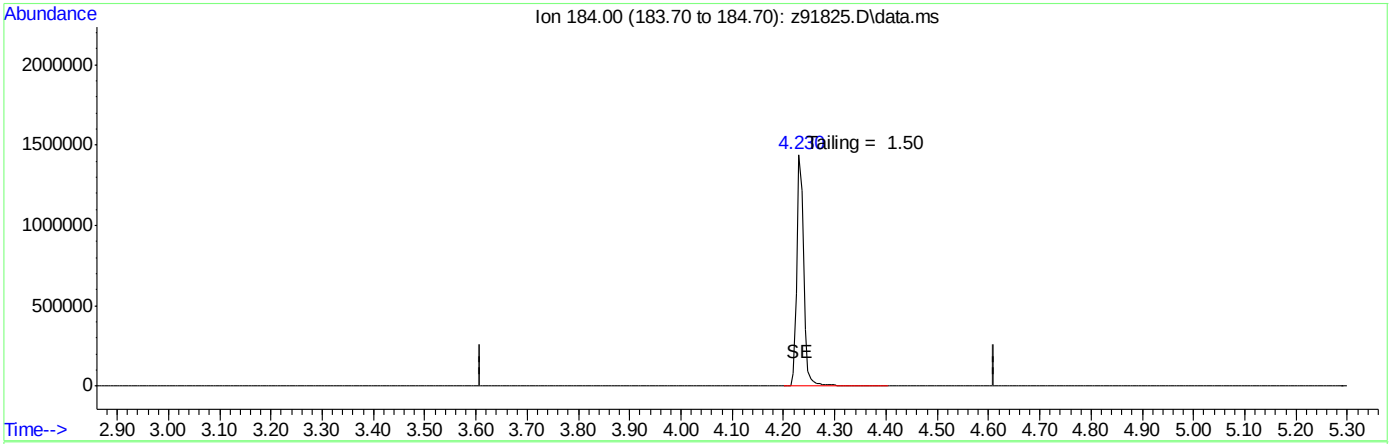
response 0

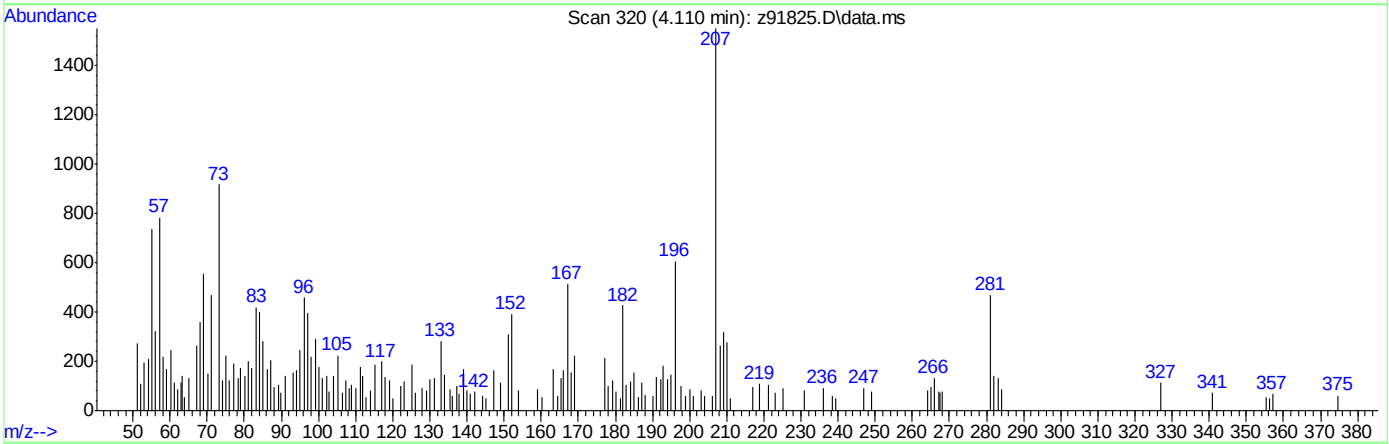
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

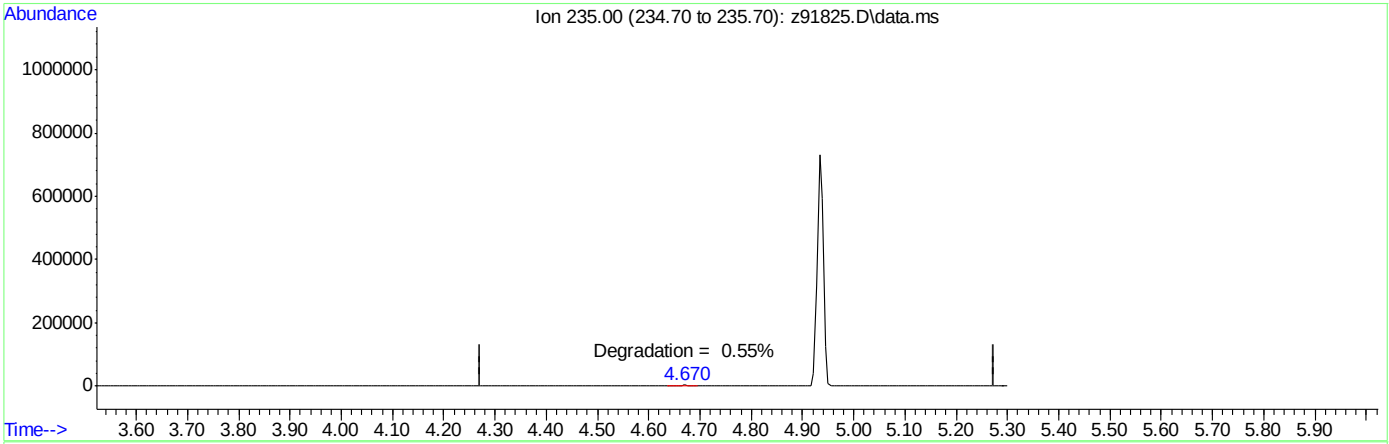
response 0

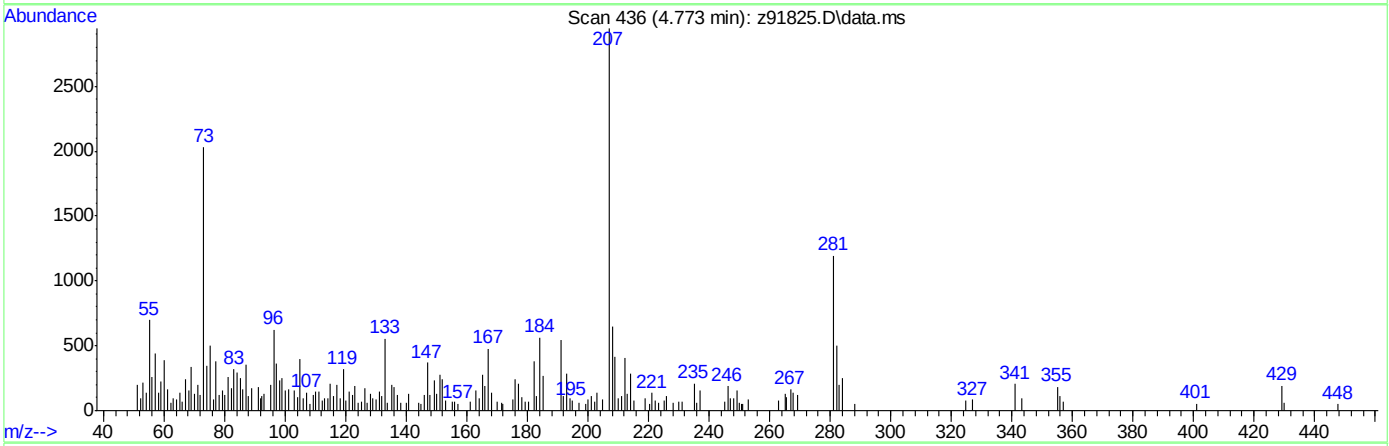
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

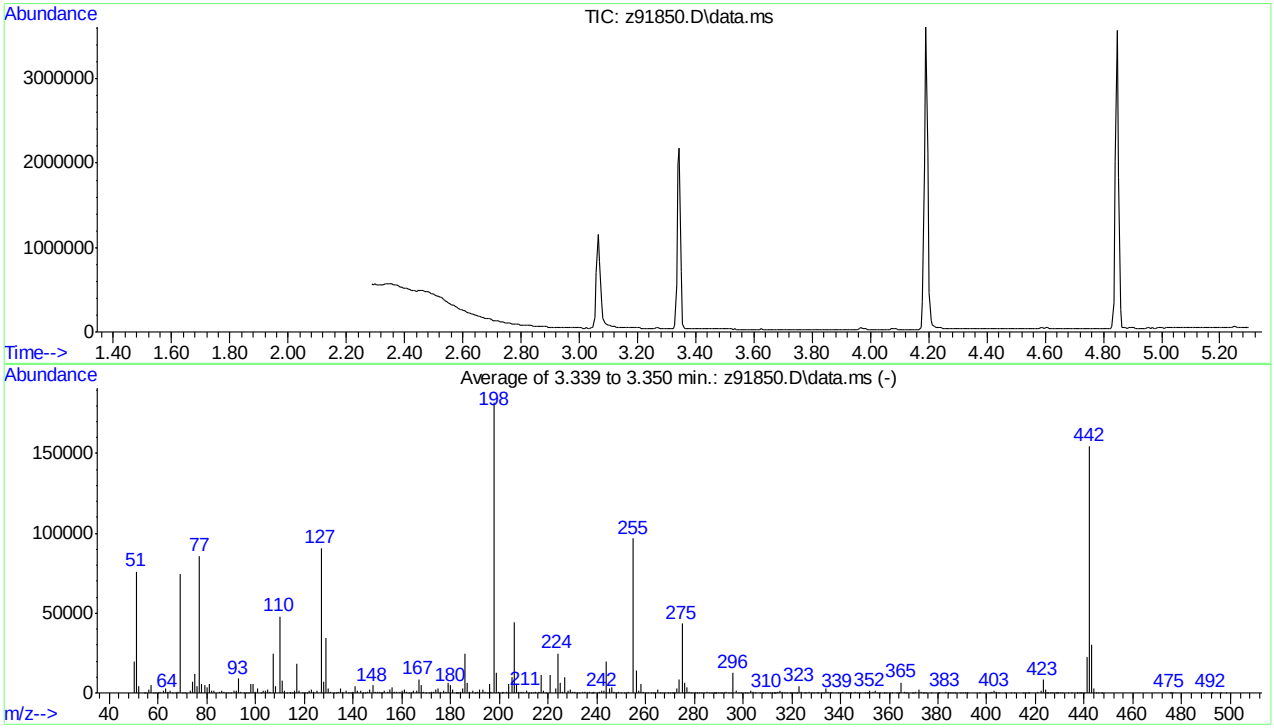
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

DFTPPZ.M Wed May 28 12:59:49 2014 RTE

ACCUTEST LABORATORIES
JB68173

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

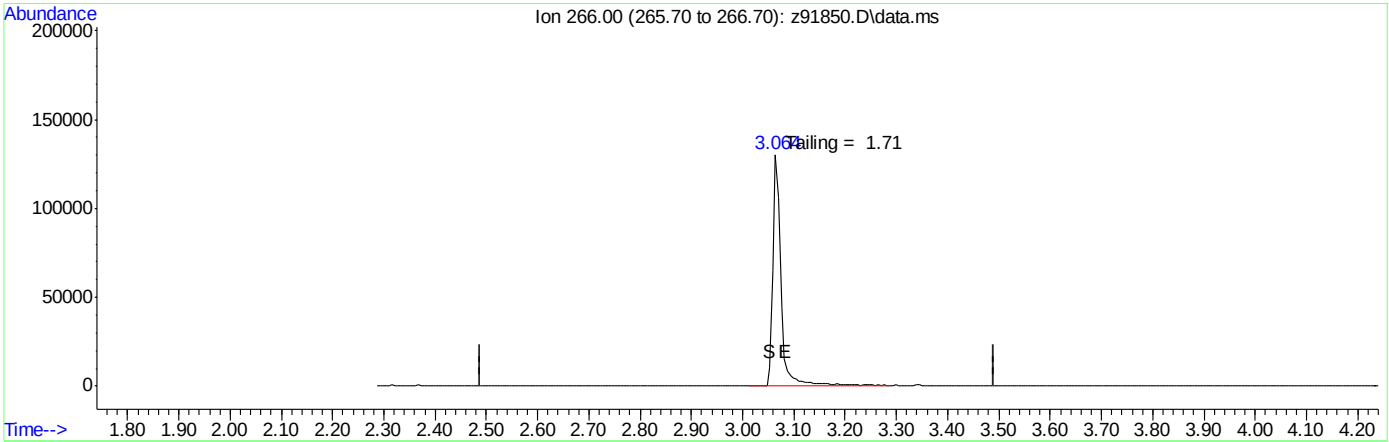
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
414.95	73	426.90	22	438.50	31	475.10	26
415.90	34	428.20	21	438.95	95	475.80	17
416.85	65	428.90	56	439.55	56	476.10	19
417.10	18	429.25	110	441.05	22306	489.10	20
421.00	1039	430.10	32	442.10	154616	492.00	18
422.10	1324	431.00	62	443.05	30040	492.20	41
423.05	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		

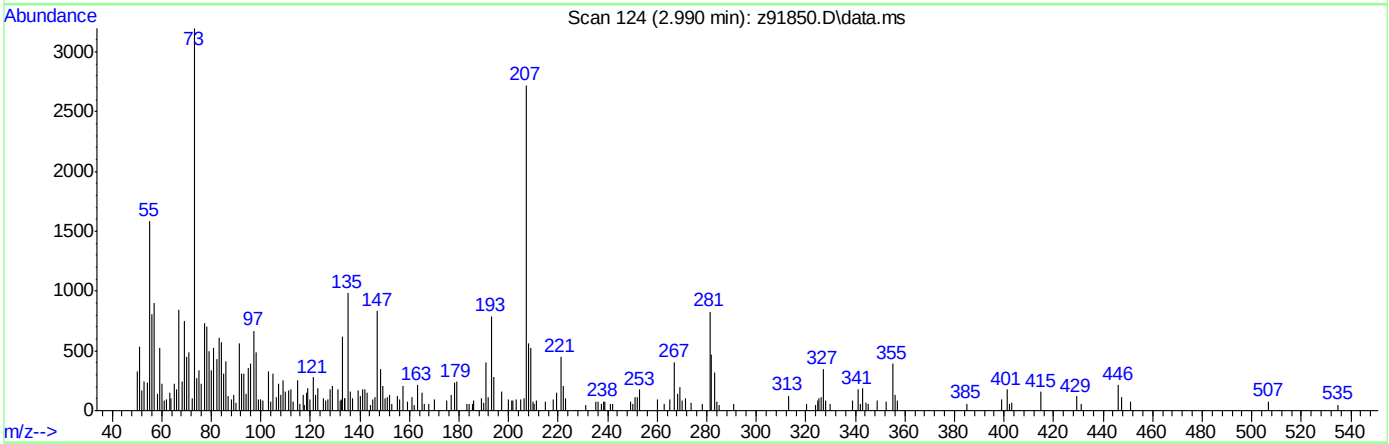
DFTPPZ.M Wed May 28 12:59:49 2014 RTE

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

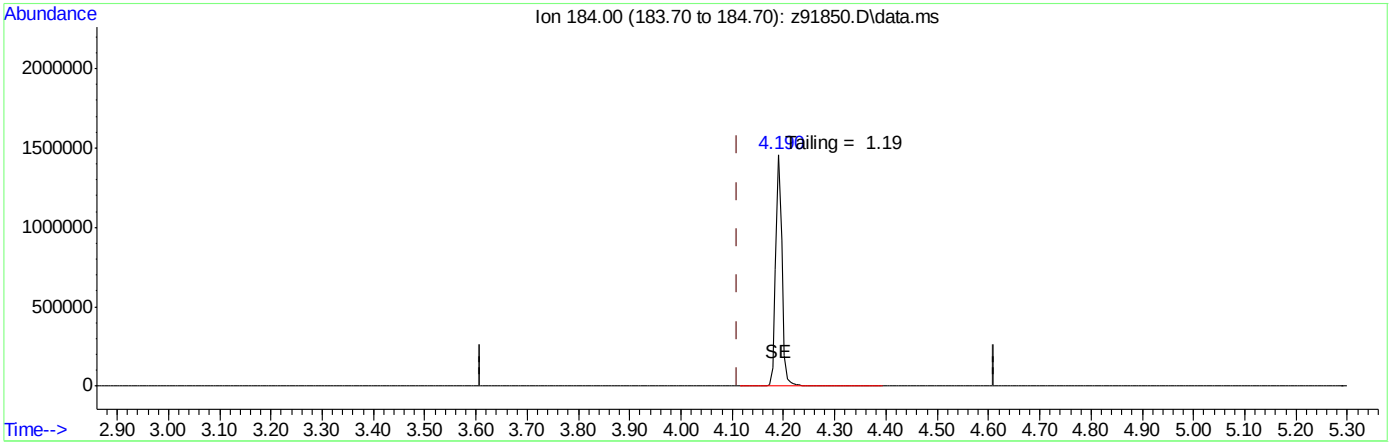
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

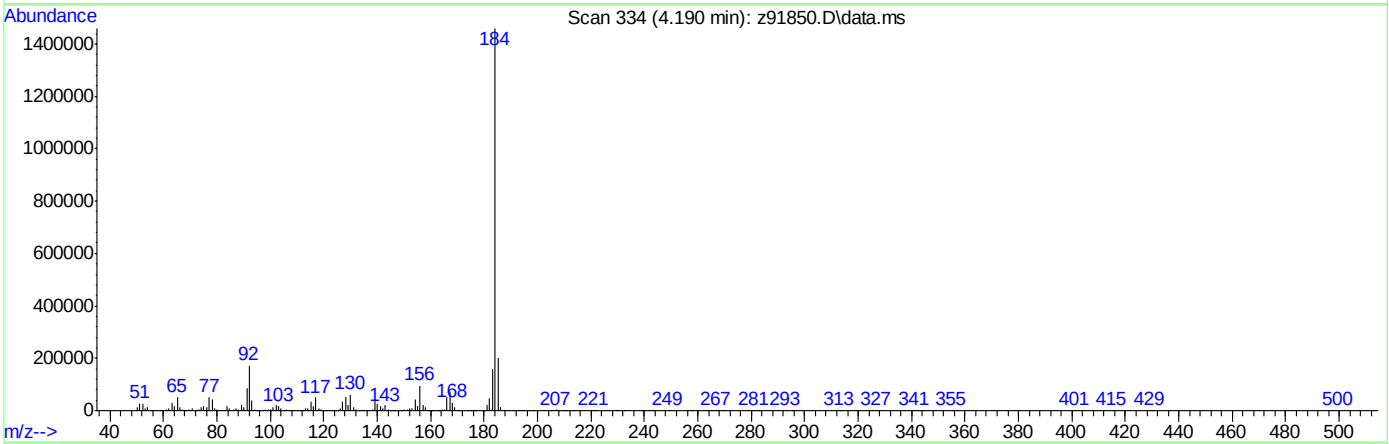
ACCUTEST LABORATORIES JB68173

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

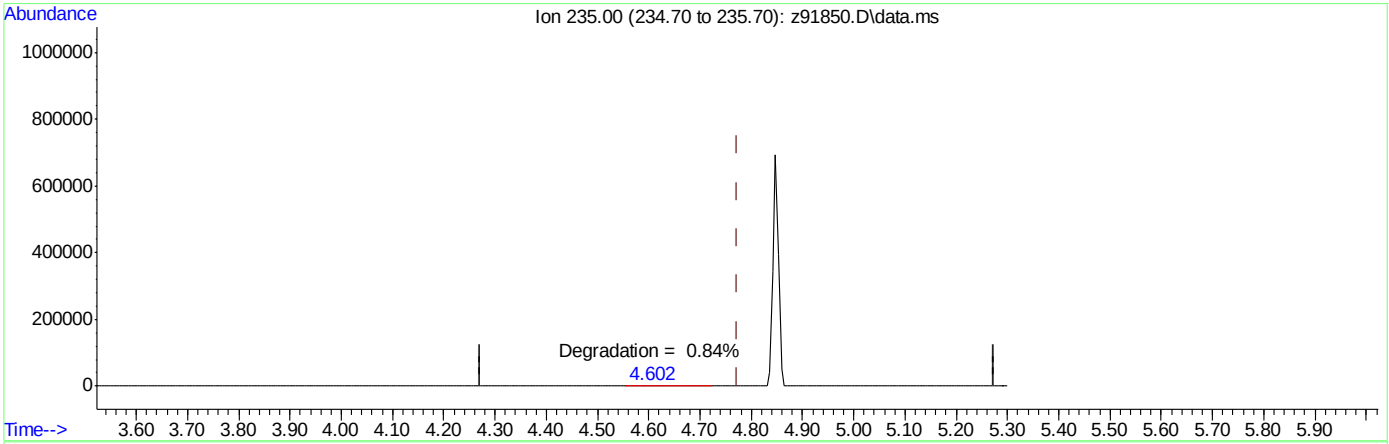
response 12115007

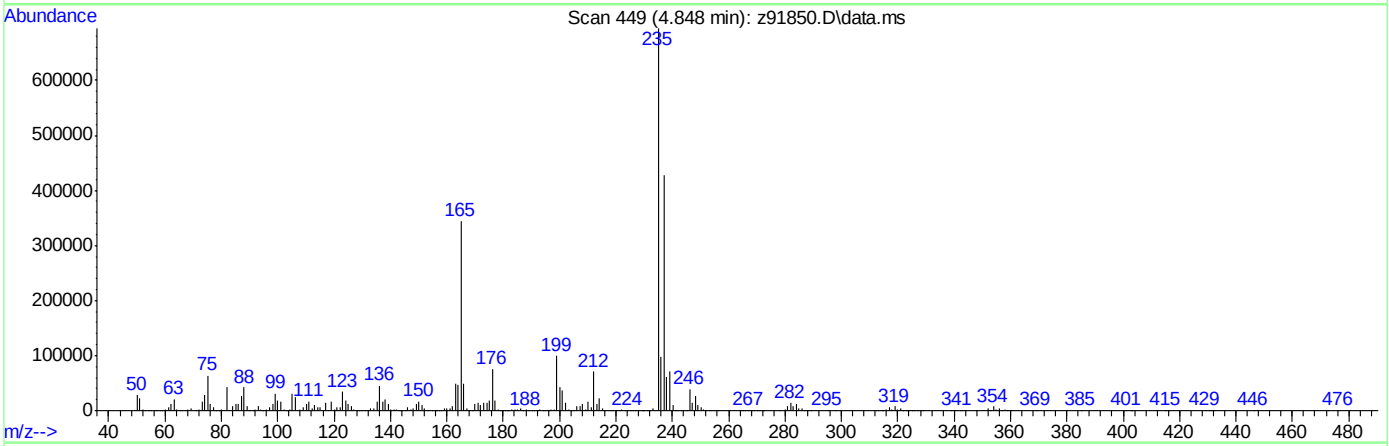
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

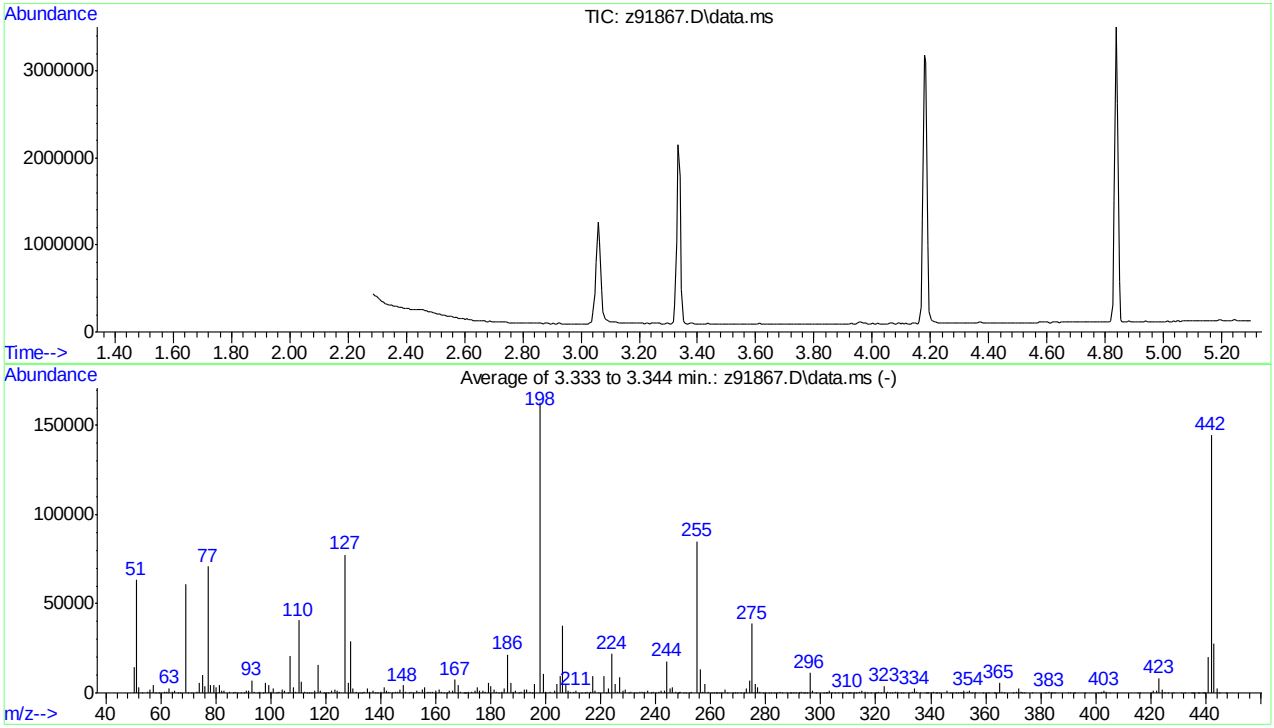
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

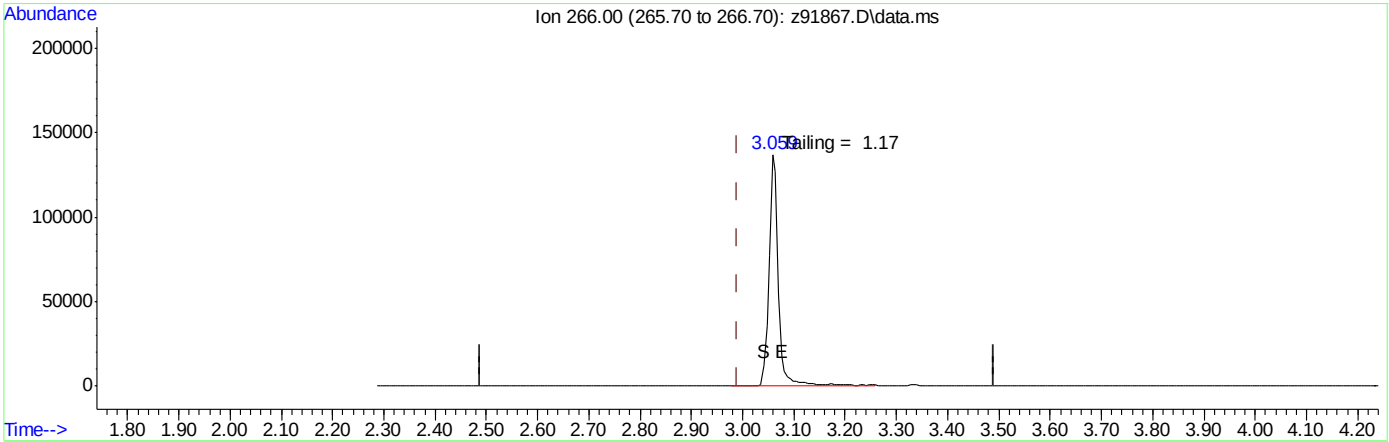
Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

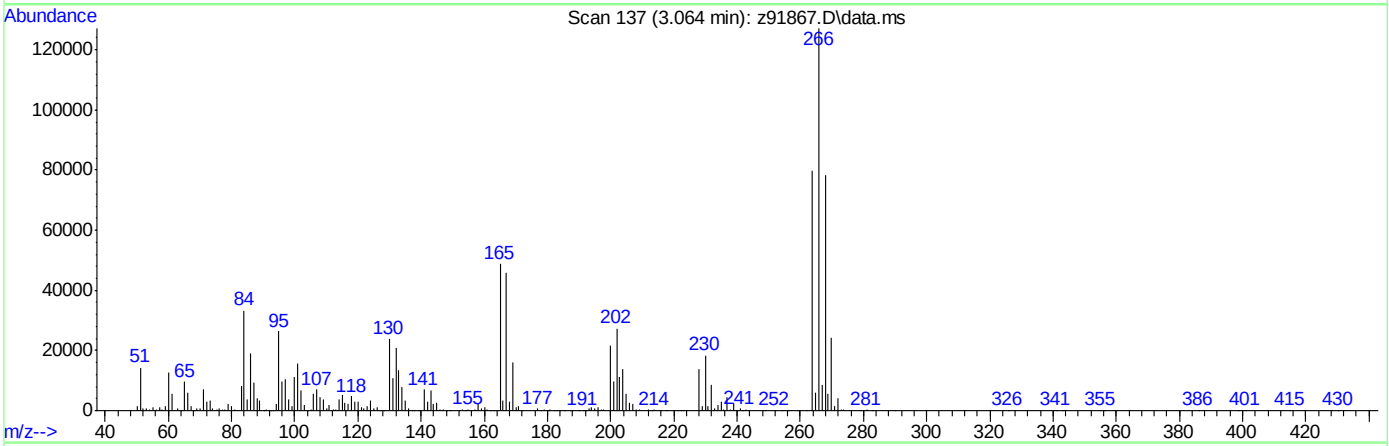
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	19870						
442.05	144794						
443.05	27528						
444.05	2356						
444.95	151						
447.30	20						

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

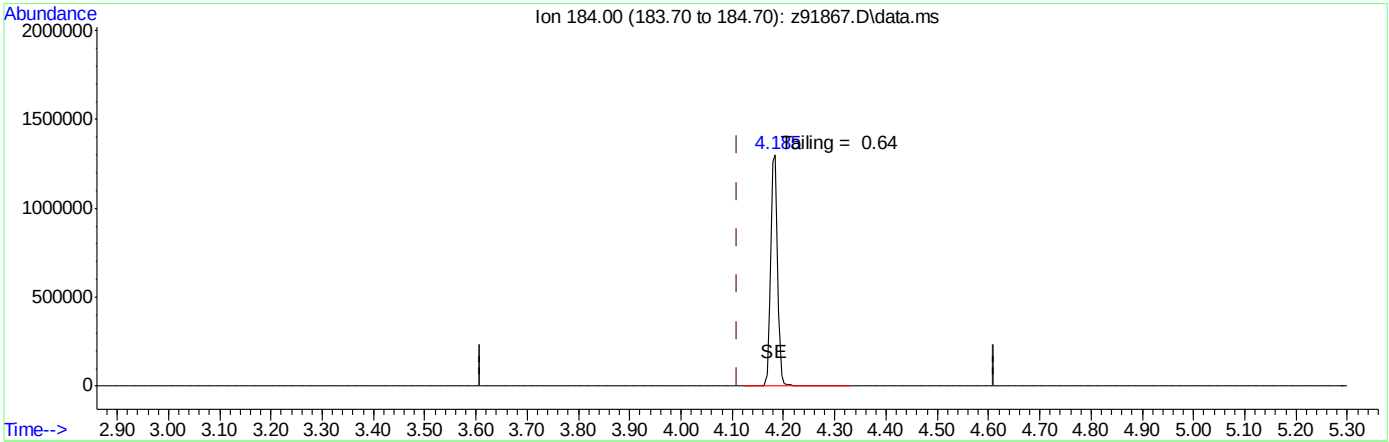
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

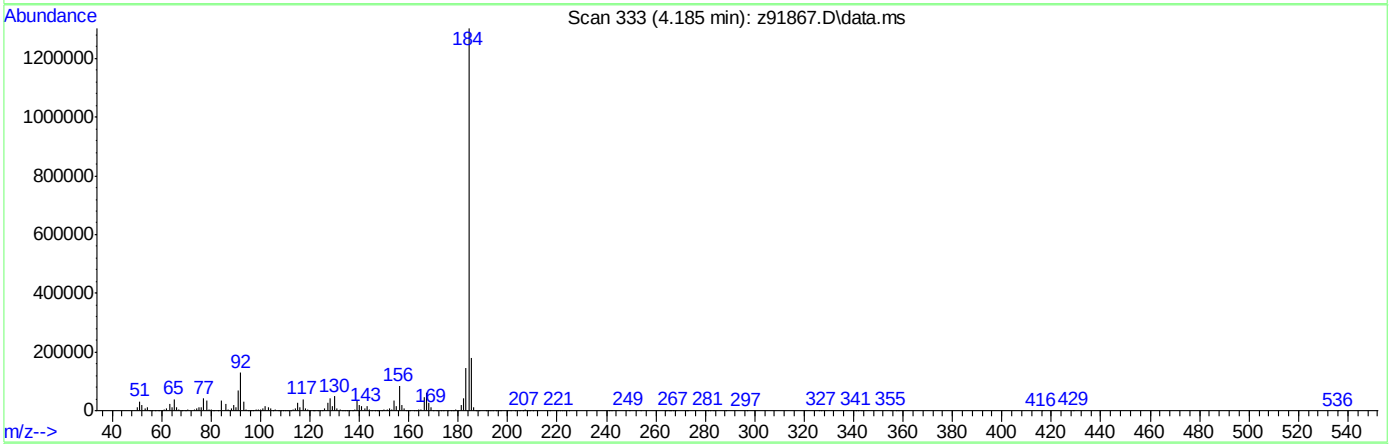
ACCUTEST LABORATORIES JB68173

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

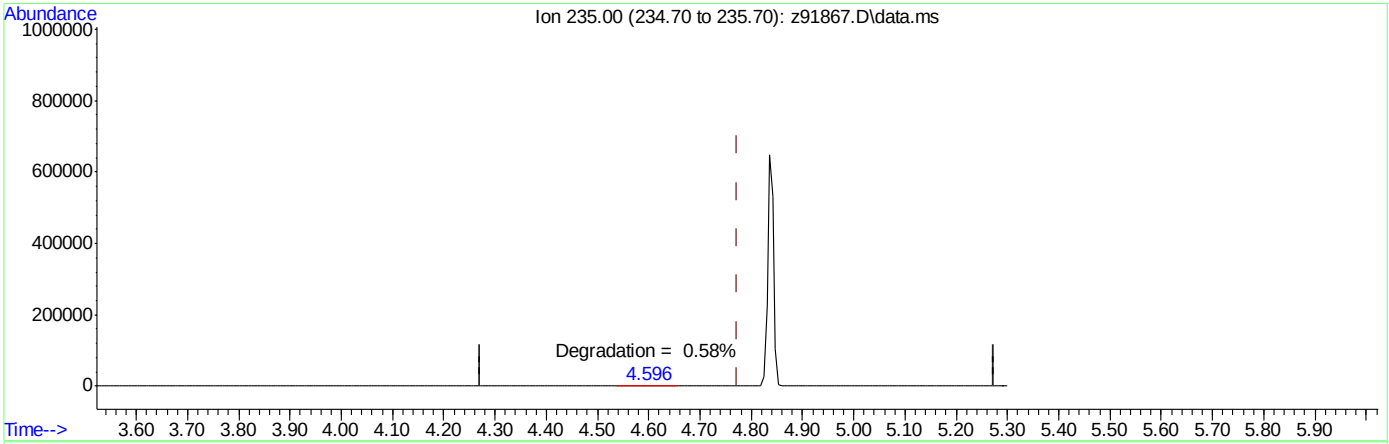
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

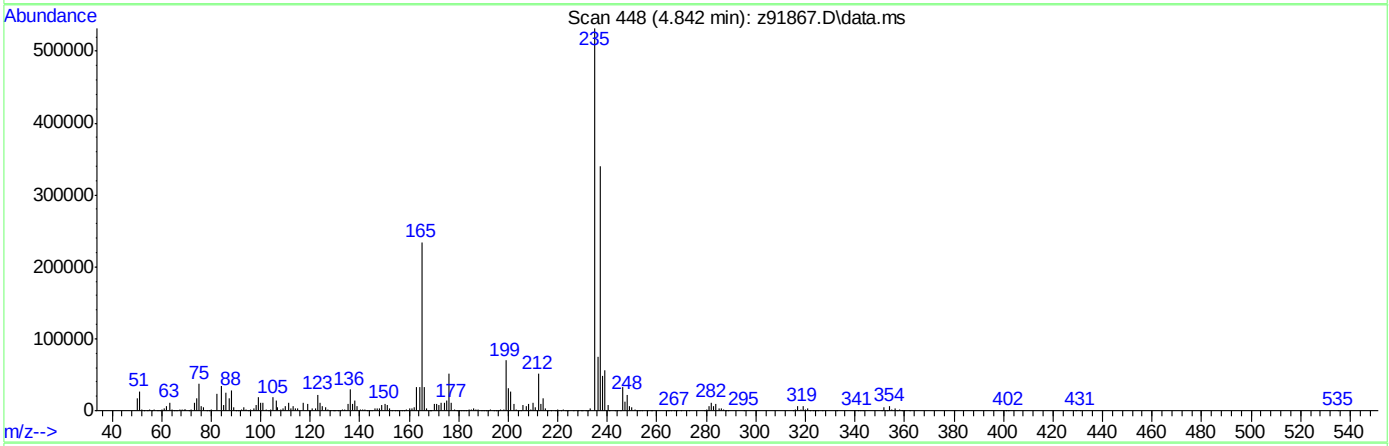
ACCUTEST LABORATORIES JB68173

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

9.5.9.3

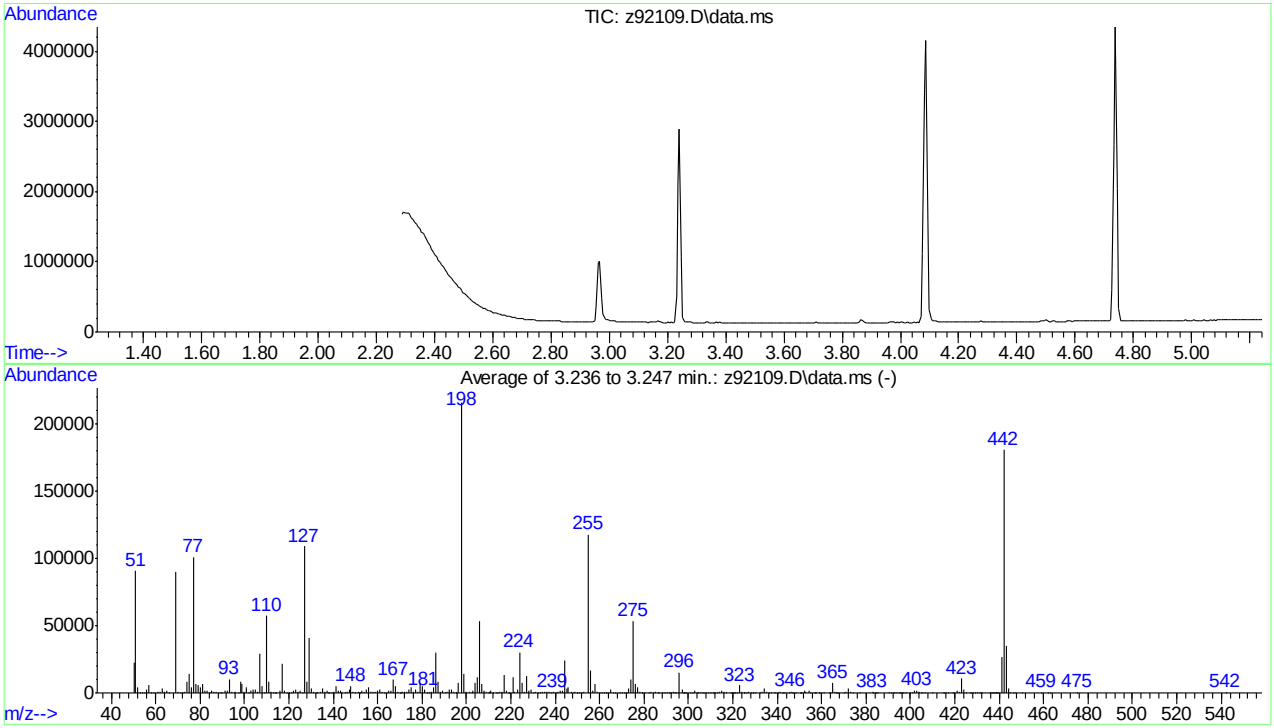
9

DFTPP

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92109.D
Acq On : 4 Jun 2014 9:02 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4582
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 167, 168, 169; Background Corrected with Scan 160

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.0	90586	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.6	89732	PASS
70	69	0.00	2	0.5	482	PASS
127	198	40	60	50.5	108920	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	215842	PASS
199	198	5	9	6.7	14555	PASS
275	198	10	30	24.7	53386	PASS
365	198	1	100	3.3	7164	PASS
441	443	0.01	100	76.3	26474	PASS
442	198	40	100	83.7	180581	PASS
443	442	17	23	19.2	34701	PASS

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	22799	62.05	1242	75.05	14398	86.00	1208
51.10	90586	63.10	3372	76.15	4562	87.05	874
52.10	4330	64.10	632	77.05	101186	88.00	233
53.10	212	65.10	1729	78.10	6941	89.00	167
54.10	45	66.10	201	79.10	6020	89.90	53
55.10	260	69.10	89732	80.10	4449	91.05	1719
56.10	2810	70.10	482	81.10	6793	92.10	1795
57.10	5911	71.10	55	82.05	1595	93.10	10062
58.10	315	72.00	9	83.10	1580	94.05	560
59.10	82	73.10	702	84.00	386	95.10	278
61.05	1094	74.10	8380	85.10	1371	96.00	598

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	159	108.10	4794	119.05	213	130.00	3364
98.10	8231	109.10	179	120.05	287	131.05	528
99.05	6360	110.10	57151	121.10	73	132.05	130
100.00	689	111.10	8548	122.00	2003	132.90	136
101.05	3875	112.05	1055	123.10	2890	134.05	1122
102.05	258	113.05	357	124.05	1253	135.05	3243
103.00	1498	113.95	89	125.10	1299	136.00	1235
104.10	2381	114.20	71	126.10	18	137.10	1662
105.10	2258	116.10	1637	127.05	108920	137.85	225
106.10	741	117.10	21301	128.05	8058	138.10	310
107.10	29327	118.05	1531	129.05	41169	139.00	186

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.00	466	151.15	770	161.10	2118	171.00	469
141.05	5034	151.80	303	162.05	585	172.05	978
142.10	1710	152.05	215	163.05	298	173.05	1214
143.05	1287	153.05	1583	164.05	295	174.10	2250
144.00	297	154.05	1214	165.00	1743	175.10	4532
145.05	217	155.05	2740	166.05	1456	176.15	1180
146.10	899	156.10	4092	167.05	9992	177.00	2173
147.05	2576	157.10	927	168.05	4856	178.00	819
148.00	5434	158.05	897	169.00	790	179.00	7706
149.05	975	159.00	716	170.00	104	180.05	5279
150.05	409	160.00	1523	170.30	39	181.10	2451

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
182.00	321	193.05	2401	204.10	7128	213.20	201
183.05	189	194.05	555	205.05	12058	214.05	129
184.05	692	195.05	294	206.10	53089	215.05	476
185.10	3827	195.30	135	207.10	6717	216.00	1058
186.10	29870	196.10	7286	208.05	1682	217.00	13360
187.10	8567	198.00	215842	209.05	516	218.10	1912
188.05	839	199.00	14555	210.10	101	219.00	140
189.05	1783	200.00	1080	210.40	488	219.20	40
190.00	311	201.50	1115	210.60	285	221.10	11878
191.10	523	202.10	75	211.05	1934	221.70	1026
192.10	2387	203.00	1457	212.10	233	223.00	2890

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.05	30218	235.05	874	246.00	4475	257.05	1390
225.10	7621	236.05	610	247.05	900	258.05	7042
226.05	827	237.05	884	248.05	246	259.00	991
227.00	12500	238.05	76	249.00	912	260.05	153

DFTPPZ.M Wed Jun 04 14:13:58 2014 RTE

228.00	1865	239.05	665	249.70	16	261.00	249
229.10	2298	240.05	434	249.95	146	262.10	30
230.00	241	241.05	647	250.95	235	262.90	54
231.10	1097	242.10	1460	251.90	145	263.05	82
232.00	259	243.10	1549	253.00	452	263.90	117
233.05	142	244.05	23987	255.05	117716	265.00	2724
234.05	826	245.10	3126	256.10	17074	265.85	306

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
267.00	88	278.05	973	289.00	183	297.80	37
269.00	19	279.00	204	290.05	180	298.00	146
269.80	117	279.20	70	291.05	163	298.20	45
271.05	267	280.35	74	291.80	53	299.00	31
272.00	131	282.20	175	292.05	178	301.05	208
272.15	262	283.05	505	293.00	1050	302.00	229
273.00	3714	284.00	297	293.70	56	303.05	1804
274.05	9845	285.10	820	294.00	334	303.90	137
275.10	53386	286.05	211	295.00	311	304.10	331
276.05	6973	286.90	28	296.00	15311	305.10	104
277.00	4186	288.00	81	297.05	2377	306.30	17

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
306.95	77	316.95	200	326.00	201	337.30	30
308.10	285	319.20	32	327.00	748	338.90	37
309.05	102	319.60	41	328.00	298	339.15	73
310.05	235	320.00	31	328.85	71	340.00	74
311.00	39	320.30	17	329.15	65	341.10	625
311.20	44	321.10	424	330.10	16	342.00	117
312.10	20	322.10	210	332.10	404	342.80	17
313.00	238	323.10	5558	333.10	469	343.00	48
314.05	774	324.10	980	334.10	3604	345.05	42
315.05	1866	324.80	34	335.05	893	346.00	1279
316.00	931	325.00	98	336.05	84	347.00	269

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
347.20	48	357.30	33	367.30	17	385.10	105
348.10	20	358.70	29	370.10	213	390.05	367
350.10	59	359.10	119	371.05	498	391.05	253
350.70	29	359.95	76	372.05	3215	392.05	258
351.00	86	361.10	30	373.10	740	392.90	22
352.10	1736	363.20	20	374.05	118	393.50	24
353.05	1182	363.80	22	376.95	98	394.70	24
354.10	1732	365.00	7164	382.90	170	395.10	16
355.05	161	366.05	1108	383.05	772	395.90	19
356.80	19	366.70	27	384.00	283	396.20	18
357.00	55	367.00	79	384.70	33	396.90	61

Average of 3.236 to 3.247 min.: z92109.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
397.80	23	414.85	109	426.80	18	437.10	40
399.80	20	415.15	70	427.10	21	437.40	45
401.00	243	415.80	23	428.30	19	438.00	35
402.05	1405	417.00	35	429.10	20	438.50	27
403.05	1758	418.90	34	430.10	21	438.70	28
403.90	123	419.70	36	431.00	59	439.30	74
404.05	453	421.05	1472	431.70	18	439.80	49
404.90	77	422.05	1166	432.20	17	441.10	26474
405.30	36	423.10	10757	435.40	23	442.05	180581
406.40	18	424.10	2353	436.05	83	443.05	34701
409.75	67	425.05	187	436.80	19	444.10	3329

Average of 3.236 to 3.247 min.: z92109.D\data.ms

DFTPPZ.M Wed Jun 04 14:13:58 2014 RTE

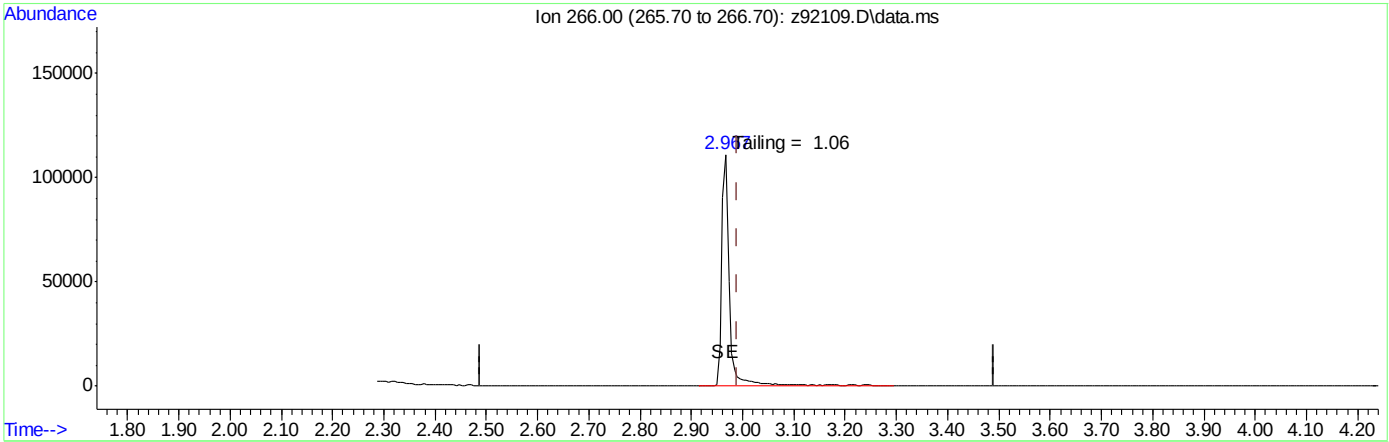
DFTPP
Modified:subtracted

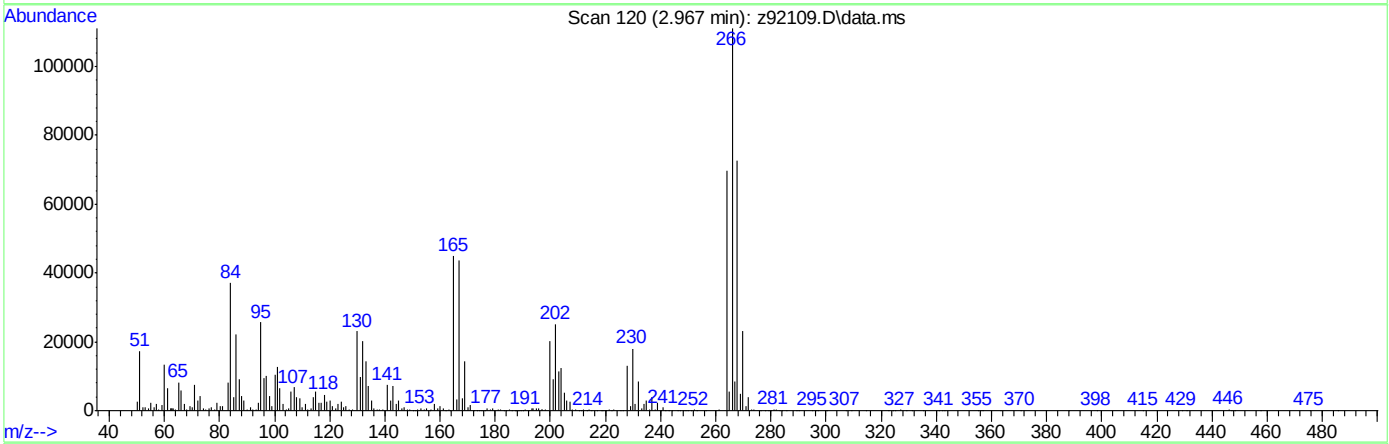
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.95	273						
446.15	129						
447.15	106						
450.10	18						
459.10	21						
461.90	17						
463.10	18						
475.20	20						
542.00	17						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92109.D
Acq On : 4 Jun 2014 9:02 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4582
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 09:10:50 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: z92109.D\data.ms

(1) Pentachlorophenol

2.968min (-0.022) 122.55

response 1062761

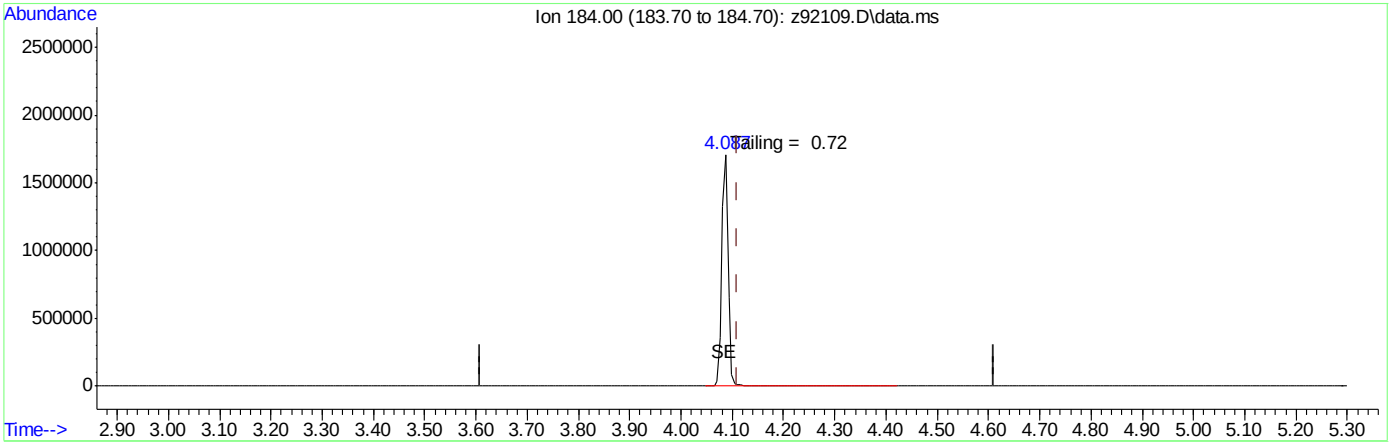
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

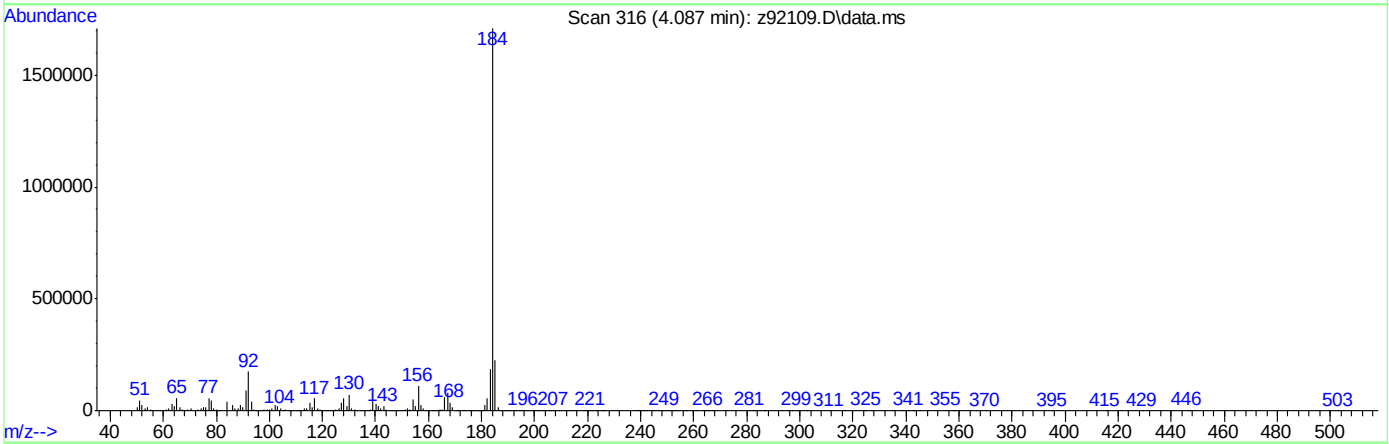
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92109.D
Acq On : 4 Jun 2014 9:02 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4582
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 09:10:50 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: z92109.D\data.ms

(2) Benzidine

4.088min (-0.022) 237.82

response 14446647

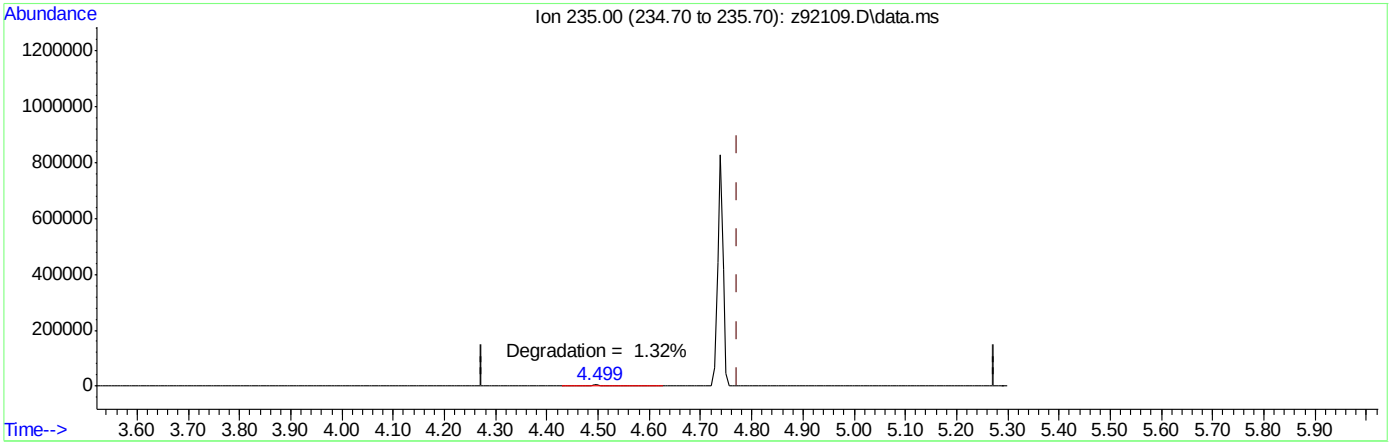
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

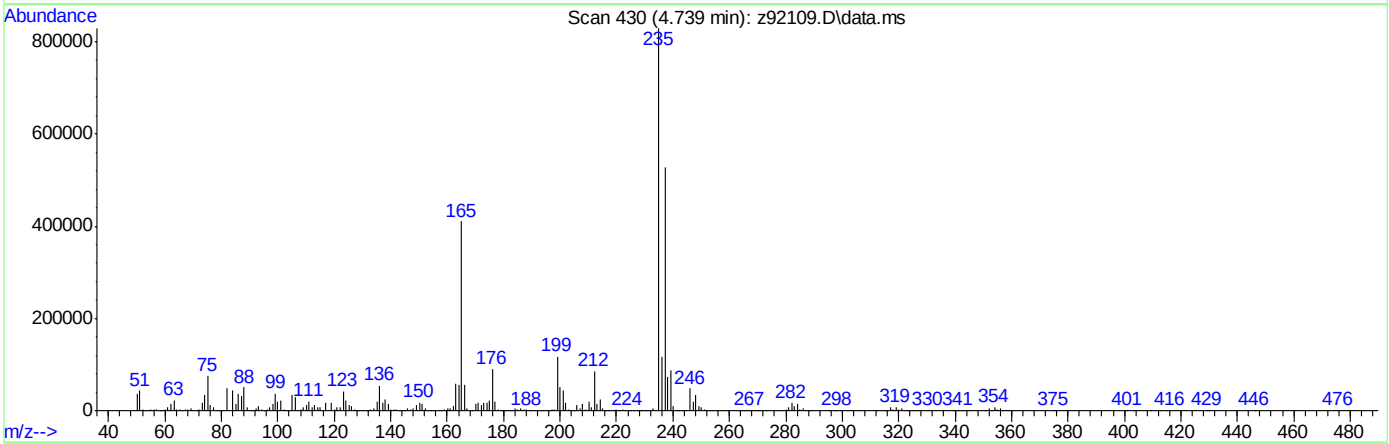
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92109.D
Acq On : 4 Jun 2014 9:02 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4582
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 09:10:50 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: z92109.D\data.ms

(3) PP-DDT

4.741min (-0.033) 247.14

response 6177627

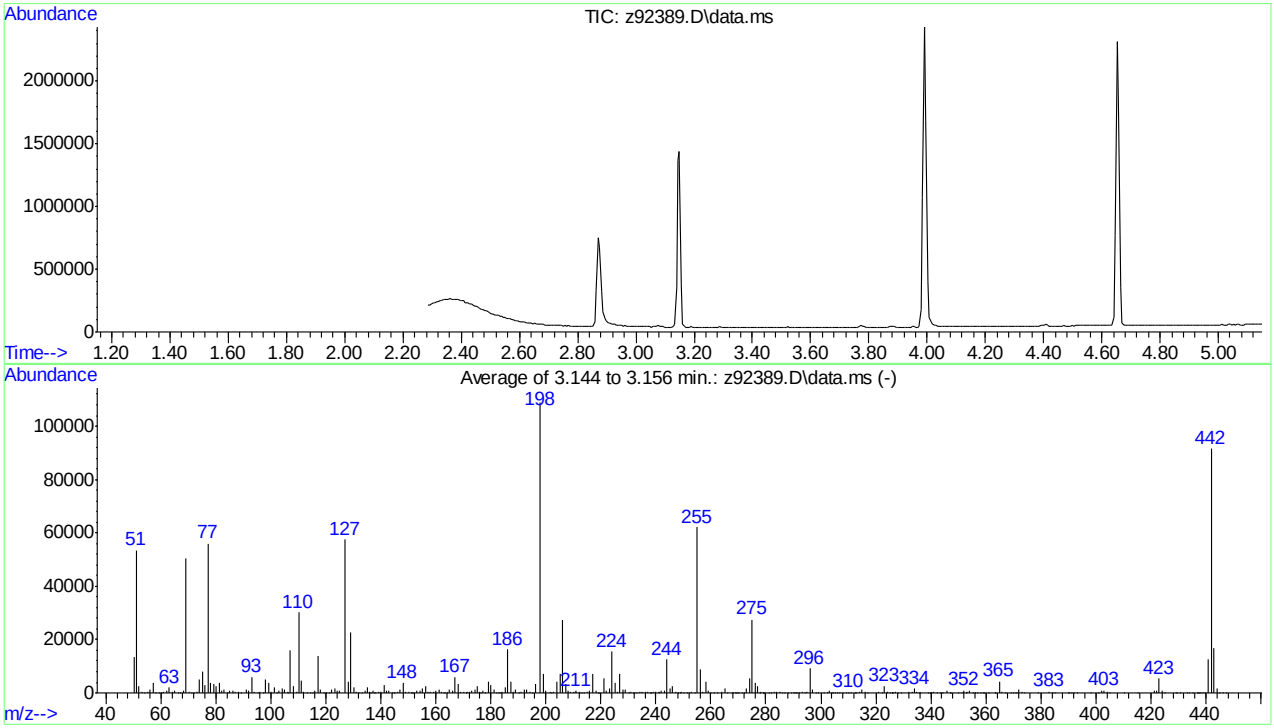
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92389.D
Acq On : 11 Jun 2014 9:20 am
Operator : harpreek
Sample : DFTPP
Misc : op73791,ez4593
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 151, 152, 153; Background Corrected with Scan 145

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	49.2	53558	PASS
68	69	0.00	2	1.6	797	PASS
69	198	0.00	100	46.5	50613	PASS
70	69	0.00	2	0.6	300	PASS
127	198	40	60	52.8	57497	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	108848	PASS
199	198	5	9	6.5	7035	PASS
275	198	10	30	25.2	27389	PASS
365	198	1	100	3.9	4242	PASS
441	443	0.01	100	76.9	12793	PASS
442	198	40	100	84.0	91408	PASS
443	442	17	23	18.2	16637	PASS

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	13519	61.05	632	71.90	48	83.10	1447
51.10	53558	62.10	887	73.10	589	84.00	202
52.05	2663	63.10	1976	74.10	5143	85.05	774
53.10	230	64.10	264	75.10	7871	86.00	727
54.10	40	65.10	938	76.10	2851	87.10	533
55.10	341	66.05	66	77.10	55896	88.00	334
56.10	1313	67.15	66	78.10	3797	89.05	3
57.10	3995	68.10	797	79.10	3489	91.10	1181
58.10	197	69.10	50613	80.10	2724	92.05	995
59.10	67	70.15	300	81.10	3786	93.10	6014
60.05	34	71.10	56	82.10	803	94.05	494

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.05	62	106.10	238	116.05	996	128.05	4087
96.10	333	106.30	110	117.05	13845	129.05	22544
97.15	52	107.10	15987	118.00	1148	130.00	1927
98.05	4931	108.10	2656	119.10	64	131.05	368
99.05	3838	109.20	306	120.05	162	131.95	60
100.05	333	110.10	30217	121.10	107	133.05	115
101.10	2143	111.10	4833	122.05	1076	134.10	646
101.95	79	112.00	583	123.10	1620	135.05	2022
103.05	868	113.05	138	124.05	844	136.00	638
104.10	1573	114.40	60	125.00	761	136.20	75
105.05	1205	115.05	19	127.10	57497	137.05	958

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.70	36	147.10	1255	157.10	405	167.05	5942
138.10	147	148.05	3604	158.05	465	168.10	3300
139.05	237	149.10	638	159.00	462	169.05	614
139.95	237	150.05	283	160.05	961	169.95	225
141.05	2900	151.05	212	161.00	1276	171.00	92
142.05	908	151.50	123	162.05	385	171.20	231
143.00	796	151.95	86	162.95	77	172.05	541
144.05	185	153.05	1010	163.35	56	173.05	827
144.90	71	154.05	774	164.10	202	174.05	1266
145.05	78	155.10	1487	165.00	1182	175.10	2336
146.05	461	156.10	2643	166.10	732	176.00	588

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.20	56	186.10	16316	198.00	108848	209.05	352
177.05	973	187.10	4211	199.00	7035	210.10	253
178.05	213	188.05	554	200.05	730	210.90	485
179.00	4297	189.00	1151	201.50	498	211.10	675
180.10	2891	190.10	93	201.90	48	212.00	297
181.00	1449	191.10	503	202.95	627	212.30	25
182.10	152	192.00	1300	204.10	4161	213.05	79
182.95	169	193.05	1278	205.10	7100	213.90	78
183.30	63	194.05	258	206.10	27351	215.00	291
184.05	352	195.05	157	207.10	3460	216.00	744
185.10	2260	196.05	3278	207.95	1047	217.00	7217

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.10	944	229.00	1294	238.15	83	247.90	52
219.00	102	229.95	168	239.00	300	248.10	64
219.20	21	231.05	380	240.00	233	248.80	39
221.05	5460	231.70	34	241.00	429	249.05	363

DFTPPZ.M Thu Jun 12 15:38:20 2014 RTE

221.90	850	232.00	24	241.20	26	250.05	130
223.00	1817	233.05	167	242.00	740	251.10	200
224.10	15391	234.05	495	243.10	698	252.05	175
225.10	3923	235.05	516	244.10	12574	253.05	262
226.10	363	236.05	389	245.10	1683	254.00	85
227.00	7015	237.00	474	246.05	2678	255.00	62104
228.00	1070	237.80	19	247.00	528	256.00	8948

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
257.00	615	268.80	25	277.90	118	286.80	20
258.00	4156	269.10	21	278.05	310	288.00	53
259.00	693	269.70	45	278.80	63	289.00	94
259.95	149	269.95	52	279.00	66	289.95	120
260.95	156	271.05	180	279.20	43	290.20	49
262.30	31	272.05	178	281.05	42	290.90	40
264.05	256	273.00	1894	282.00	47	291.10	33
265.00	1509	274.00	5327	283.00	330	292.05	106
265.85	222	275.10	27389	284.05	275	293.10	583
267.50	38	276.05	3723	285.10	542	293.95	203
267.85	88	277.00	2444	286.05	124	295.00	234

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
296.00	9125	306.90	17	321.00	392	329.00	85
297.05	1257	308.05	132	322.05	83	332.00	240
298.00	132	309.10	78	323.05	2709	333.05	276
298.90	27	310.05	151	323.90	147	334.10	1665
301.00	123	310.90	19	324.10	243	335.00	546
302.05	135	312.30	23	324.95	99	335.80	16
303.10	1035	312.90	93	325.70	25	336.10	31
303.90	82	314.10	632	326.00	75	339.00	50
304.10	198	315.00	1092	326.20	22	339.70	32
304.90	32	316.05	463	326.95	500	339.90	22
305.80	17	317.00	68	328.00	204	340.20	24

Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
341.05	335	352.90	194	363.50	20	379.00	38
342.15	112	353.10	421	365.00	4242	383.05	479
343.20	46	354.10	870	366.00	550	384.00	157
344.00	19	355.05	209	367.05	72	384.80	19
344.20	17	356.20	27	369.10	17	389.90	96
346.00	716	357.00	46	370.05	55	390.10	93
346.90	42	358.20	55	370.80	44	391.05	123
347.05	102	358.80	35	371.00	184	392.00	105
349.90	18	359.10	61	372.05	1415	393.00	34
351.10	87	361.00	23	373.05	278	398.00	19
352.00	974	363.30	18	373.95	74	400.90	117

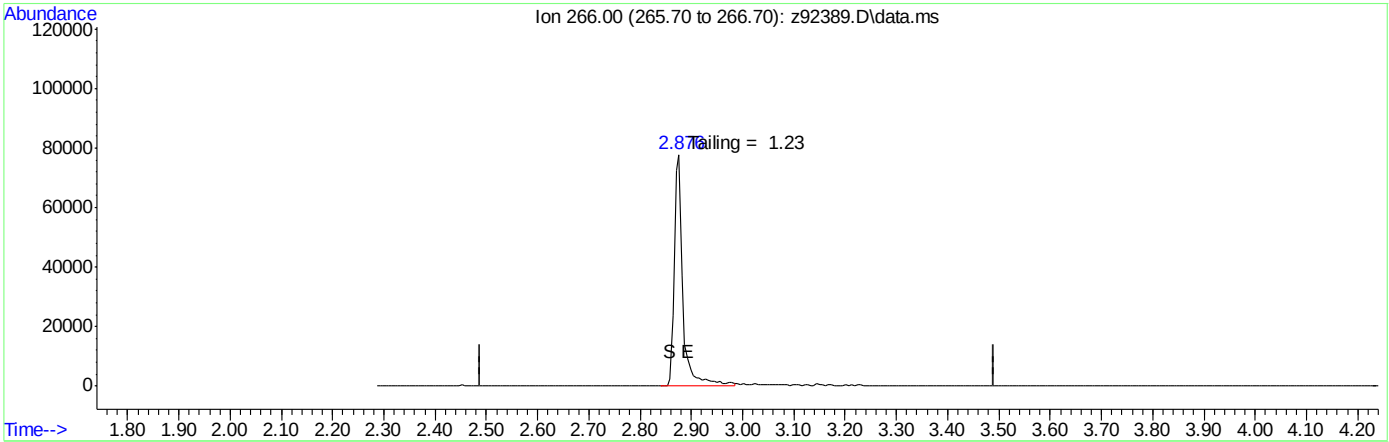
Average of 3.144 to 3.156 min.: z92389.D\data.ms
DFTPP
Modified:subtracted

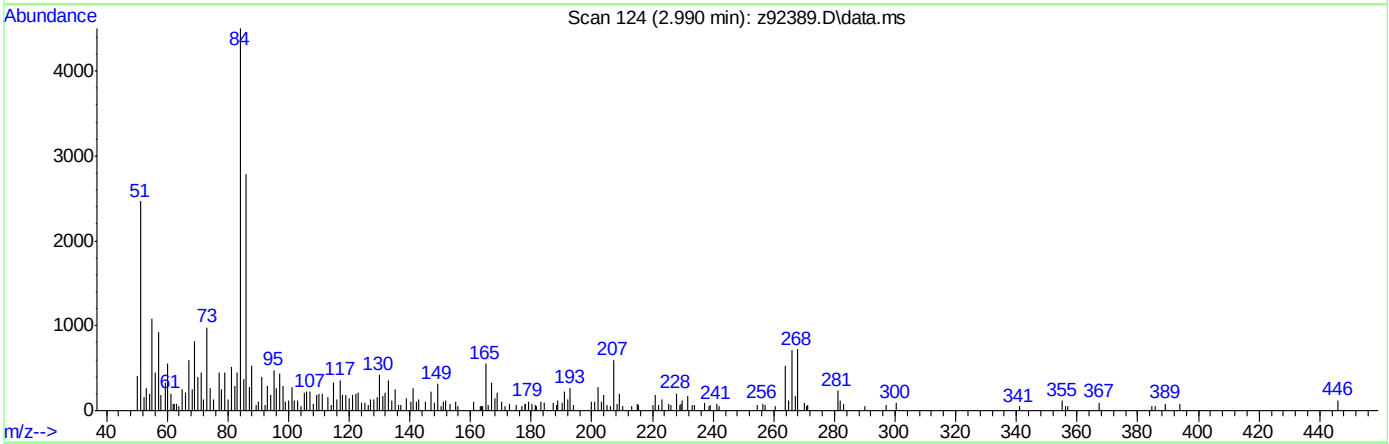
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
402.05	718	428.90	19	439.60	29		
403.00	901	429.30	25	441.00	12793		
404.05	241	430.60	20	442.00	91408		
405.10	65	433.10	26	443.05	16637		
410.10	25	434.05	67	444.00	1678		
415.30	27	435.20	22	444.95	104		
421.05	661	436.70	22	446.05	2		
422.00	662	437.10	20	447.20	29		
423.05	5323	437.70	22				
424.00	1035	438.00	17				
424.95	73	438.65	43				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92389.D
Acq On : 11 Jun 2014 9:20 am
Operator : harpreek
Sample : DFTPP
Misc : op73791,ez4593
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 11 09:25:56 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: z92389.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

response 0

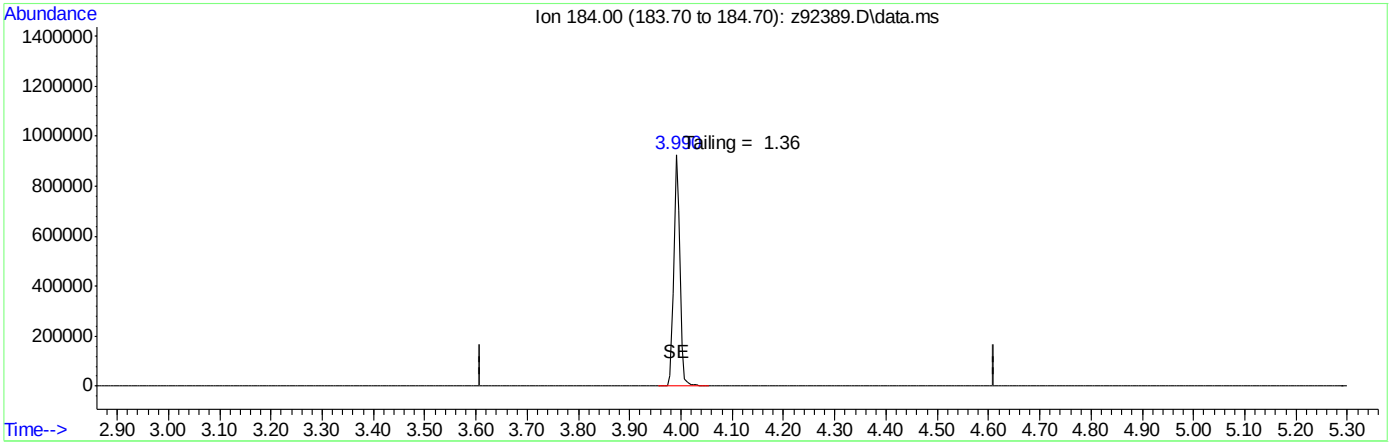
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

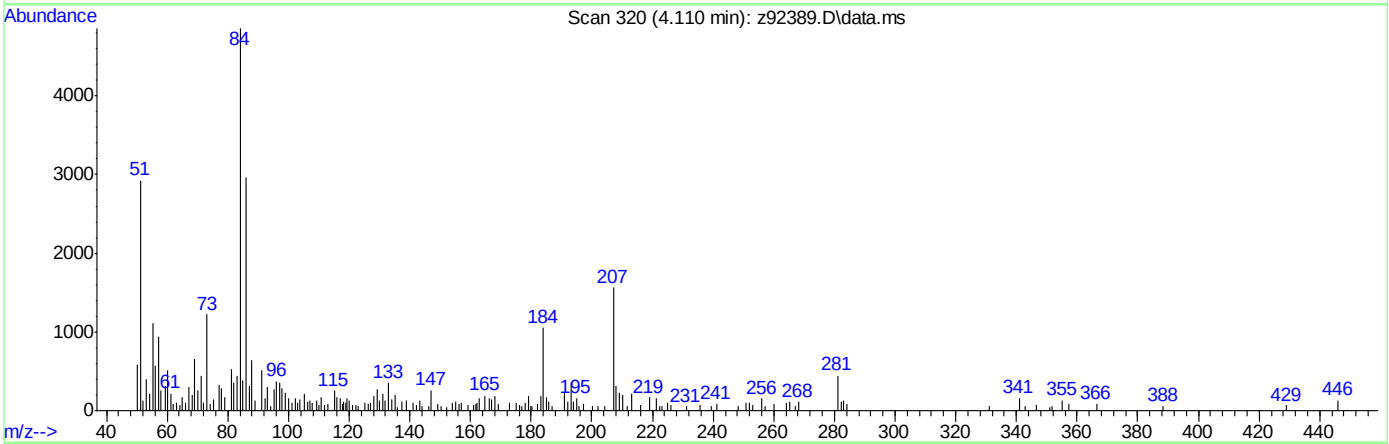
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92389.D
Acq On : 11 Jun 2014 9:20 am
Operator : harpreek
Sample : DFTPP
Misc : op73791,ez4593
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 11 09:25:56 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: z92389.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

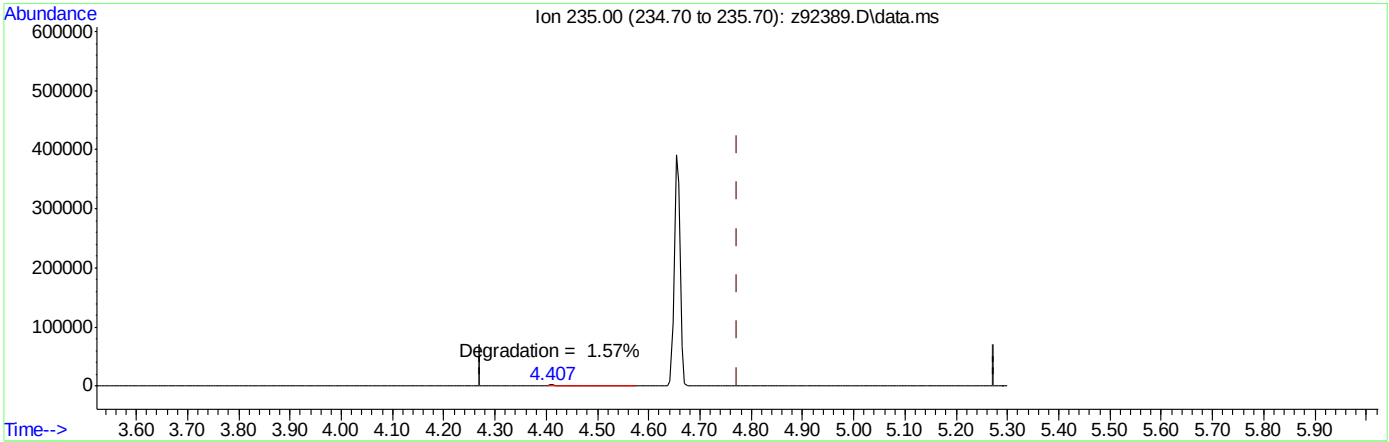
response 0

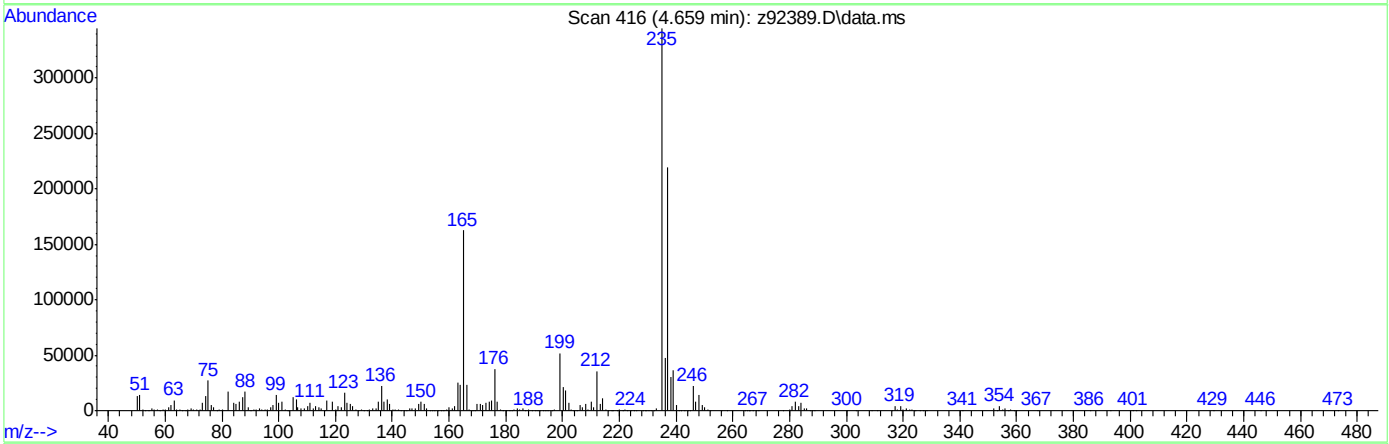
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92389.D
Acq On : 11 Jun 2014 9:20 am
Operator : harpreek
Sample : DFTPP
Misc : op73791,ez4593
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 11 09:25:56 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: z92389.D\data.ms

(3) PP-DDT

4.658min (-0.116) 126.68

response 3166387

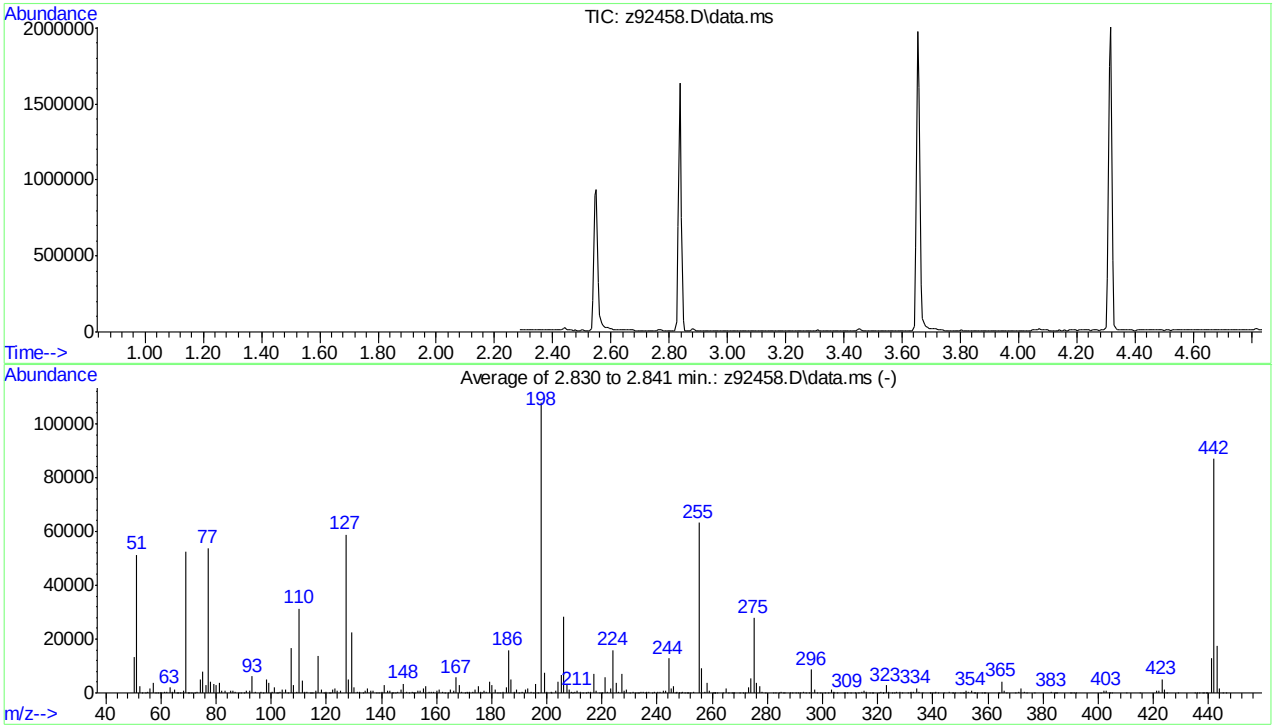
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
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 96, 97, 98; Background Corrected with Scan 91

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.6	51376	PASS
68	69	0.00	2	1.3	671	PASS
69	198	0.00	100	48.7	52578	PASS
70	69	0.00	2	0.2	109	PASS
127	198	40	60	54.6	58901	PASS
197	198	0.00	1	0.1	151	PASS
198	198	100	100	100.0	107882	PASS
199	198	5	9	7.1	7628	PASS
275	198	10	30	25.7	27738	PASS
365	198	1	100	4.0	4324	PASS
441	443	0.01	100	73.6	12773	PASS
442	198	40	100	80.5	86880	PASS
443	442	17	23	20.0	17343	PASS

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	13307	60.10	25	69.90	109	80.10	2966
51.10	51376	61.05	566	70.10	101	81.05	3906
52.10	2632	62.05	612	71.05	67	82.10	895
53.10	64	63.10	1896	72.10	56	83.10	914
54.15	16	64.10	273	73.10	319	85.10	737
55.05	231	65.05	1079	74.10	4836	86.00	781
56.10	1601	65.90	36	75.10	8003	87.00	500
57.10	3666	66.15	50	76.15	2803	87.95	98
58.00	170	66.95	85	77.05	53763	89.10	54
58.90	51	68.10	671	78.05	4000	90.00	16
59.80	17	69.05	52578	79.10	3449	91.10	954

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1055	103.05	577	114.10	39	123.05	1831
93.10	6220	104.10	1386	114.40	51	124.00	873
94.05	570	105.00	1174	114.95	112	125.05	668
96.10	253	106.10	75	116.10	959	127.10	58901
97.15	78	107.10	16657	117.10	13582	128.10	4827
98.10	4926	108.10	2773	118.05	1069	129.05	22580
99.10	3941	109.10	479	119.15	191	130.05	1911
100.15	332	110.10	31421	120.00	225	131.05	400
101.10	2229	111.10	4730	121.00	38	132.05	285
101.90	44	112.10	621	121.30	66	133.10	117
102.15	139	113.05	290	122.10	1188	134.00	680

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.05	1722	145.05	207	155.05	1602	166.05	795
136.10	781	146.00	483	156.10	2388	167.05	5813
137.05	961	147.05	1370	157.05	434	168.05	2954
138.00	203	148.05	3375	158.05	508	169.05	475
139.05	58	149.05	579	159.00	479	170.05	180
140.00	350	150.05	167	160.00	905	170.90	35
141.00	2749	151.00	347	161.05	1129	171.15	227
142.00	965	151.70	162	162.00	390	172.05	483
143.05	716	152.10	222	163.10	223	172.95	586
143.90	35	153.05	986	164.10	149	174.00	1200
144.10	148	154.10	653	165.05	1064	175.10	2391

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	529	186.10	16045	196.80	151	208.05	1066
176.30	135	187.10	4832	198.00	107882	209.00	321
177.00	795	188.10	615	199.00	7628	209.20	106
178.05	379	189.05	1084	200.00	569	210.05	388
179.00	4129	189.95	184	201.40	210	211.05	1021
180.05	2873	191.05	491	201.65	404	212.05	257
181.10	1338	192.05	1371	203.00	846	213.05	108
182.00	131	193.05	1476	204.10	4061	214.05	48
183.05	90	194.10	377	205.10	6585	215.10	346
184.00	351	194.95	128	206.10	28458	216.00	590
185.10	2096	196.05	3265	207.10	3479	217.05	7080

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.00	992	228.00	922	237.05	497	247.05	408
219.05	198	229.00	1428	238.10	77	247.80	63
219.70	25	229.90	164	239.00	277	248.10	88
220.00	61	231.10	615	240.05	265	248.90	38

dftppz.m Thu Jun 12 22:25:36 2014 RTE

221.10	5859	232.00	138	241.05	383	249.05	358
221.80	307	233.05	149	242.05	878	249.95	86
223.05	1742	233.30	65	243.00	819	250.90	105
224.10	15982	234.00	376	244.10	12837	251.20	43
225.10	3824	235.05	450	245.10	1491	252.00	115
226.05	495	235.80	32	246.05	2536	253.05	261
227.05	7246	236.00	252	246.80	104	255.10	63301

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
256.05	9236	265.85	90	277.05	2649	290.15	100
257.10	627	266.90	46	278.00	365	291.05	90
258.00	3857	267.40	18	279.05	121	292.00	142
259.00	678	267.80	28	281.90	102	293.00	635
260.00	134	269.90	151	283.05	209	293.90	65
260.60	26	270.95	158	284.00	189	295.00	55
260.80	52	272.10	154	285.05	532	296.00	8584
261.15	67	273.05	2151	285.95	95	297.05	1275
261.90	17	274.00	5451	286.30	20	298.05	97
263.95	153	275.10	27738	288.00	25	299.00	17
265.00	1474	276.10	3953	288.95	102	300.95	125

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
302.05	129	314.05	424	324.05	516	335.05	570
303.05	1084	315.00	992	325.20	21	336.10	36
304.00	28	316.05	511	326.20	47	338.90	22
304.15	277	317.05	100	326.95	540	339.15	55
305.20	22	318.00	46	328.00	307	340.05	53
307.90	103	318.50	17	329.05	45	340.80	57
308.10	64	320.20	17	331.00	24	341.05	337
309.10	150	321.00	260	331.90	34	342.00	67
310.05	93	321.90	35	332.10	248	343.80	30
311.80	18	322.10	62	333.00	282	346.00	603
313.20	35	323.10	2803	334.05	1868	347.00	61

Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
347.20	44	357.90	18	373.10	385	400.85	122
348.00	17	358.40	20	374.05	131	402.05	763
350.10	17	359.05	102	377.00	17	403.05	909
350.90	23	363.70	24	383.05	460	404.00	169
351.10	17	363.90	18	384.10	87	404.20	90
352.00	968	365.00	4324	384.70	17	405.00	34
353.05	610	366.00	650	385.00	30	410.10	51
354.10	1003	366.80	54	389.80	19	415.00	46
355.00	102	370.05	73	390.10	176	421.05	754
355.30	47	371.10	237	391.10	185	422.05	645
356.20	18	372.10	1489	392.05	83	423.05	5201

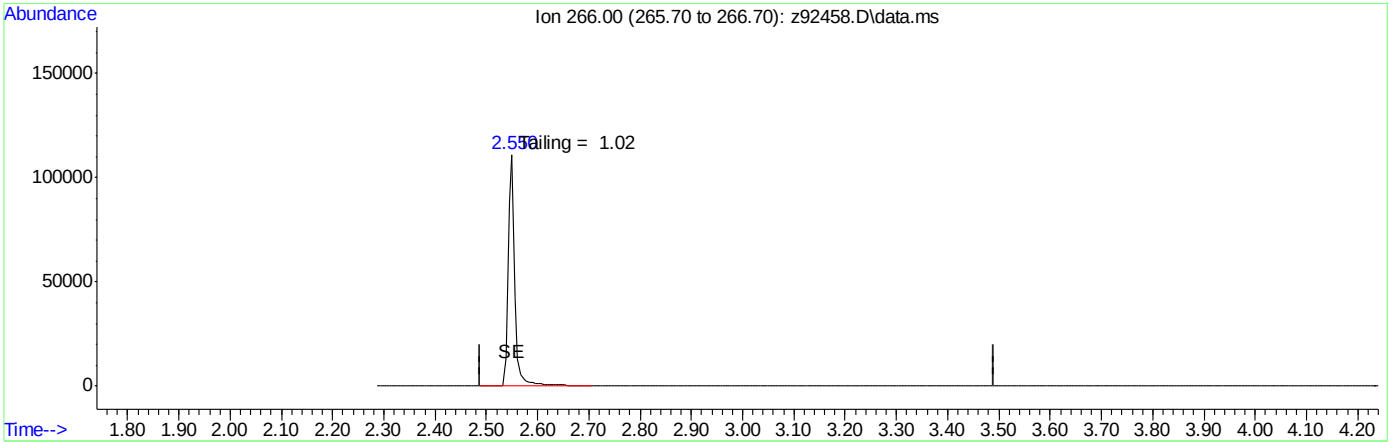
Average of 2.830 to 2.841 min.: z92458.D\data.ms
DFTPP
Modified:subtracted

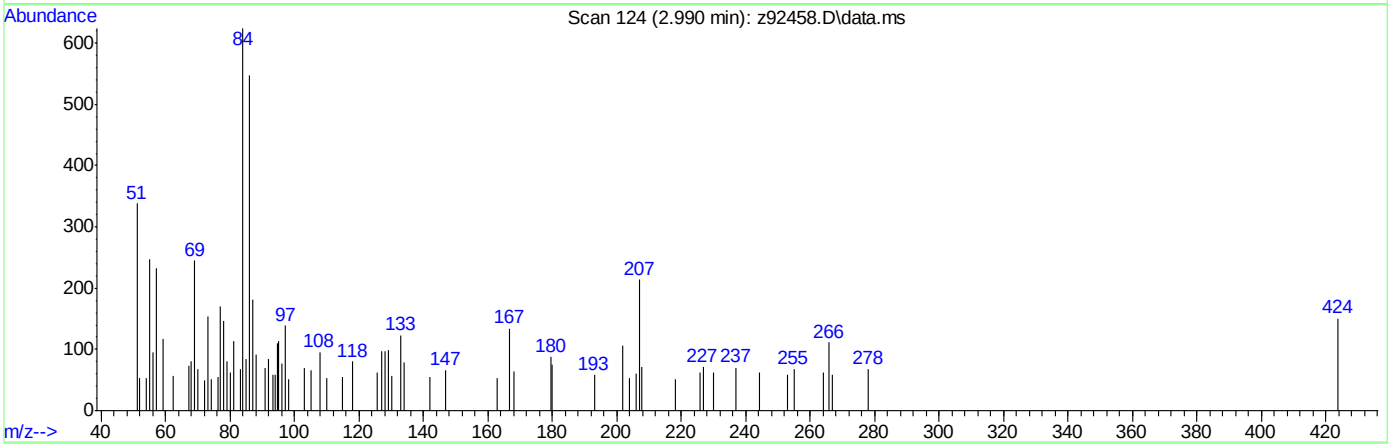
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
424.05	1203	442.10	86880				
425.05	83	443.10	17343				
428.90	22	444.10	1497				
435.20	29	445.05	115				
435.80	22	446.25	75				
436.50	22						
437.80	24						
438.30	21						
439.25	59						
439.70	26						
441.05	12773						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:25:12 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: z92458.D\data.ms

(1) Pentachlorophenol

2.990min (-2.990) 0.00

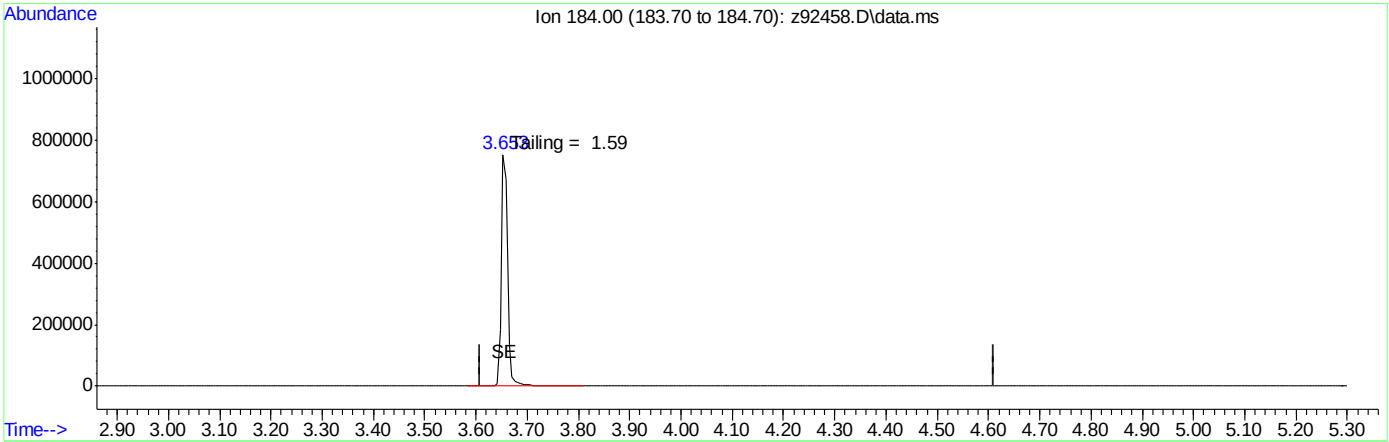
response 0

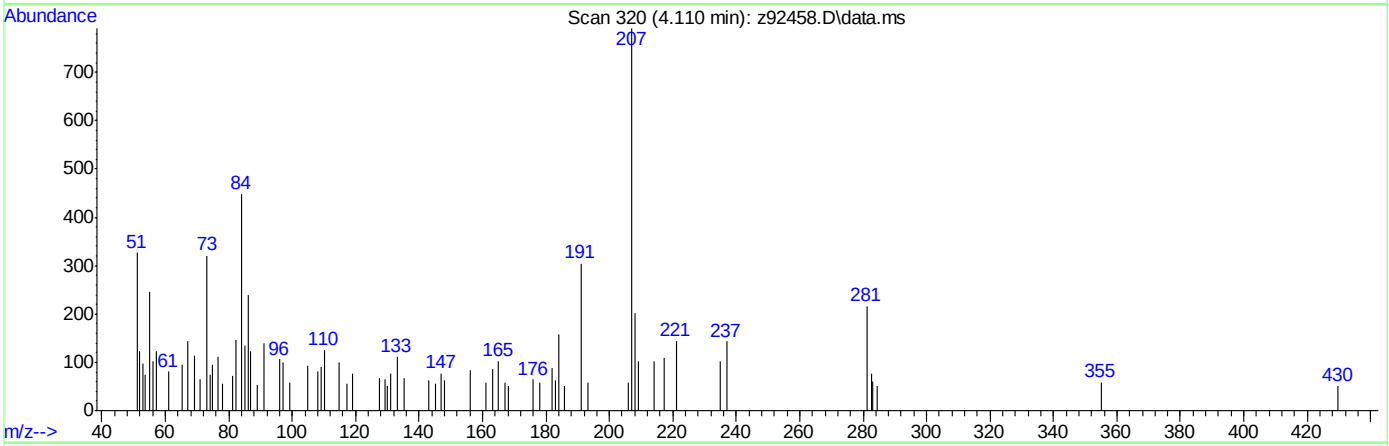
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:25:12 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: z92458.D\data.ms

(2) Benzidine

4.110min (-4.110) 0.00

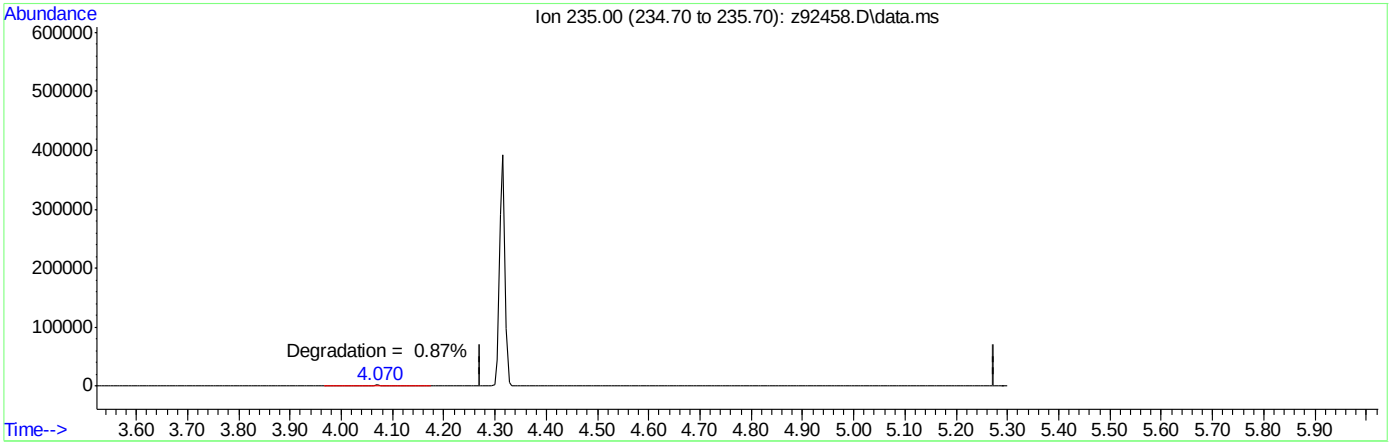
response 0

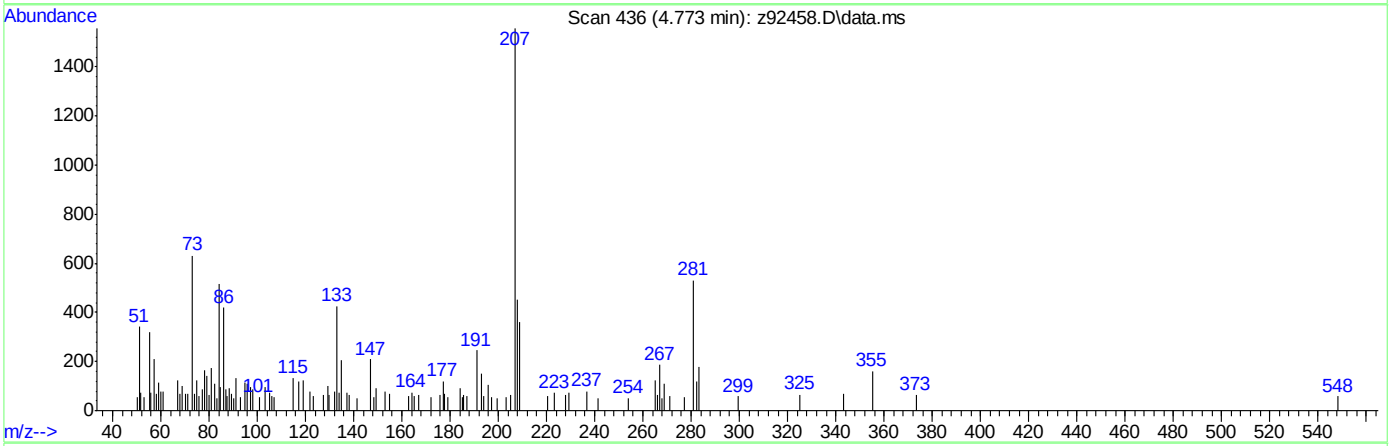
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92458.D
Acq On : 12 Jun 2014 4:59 pm
Operator : olgaa
Sample : DFTPP
Misc : op73791,ez4596,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 22:25:12 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: z92458.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

response 0

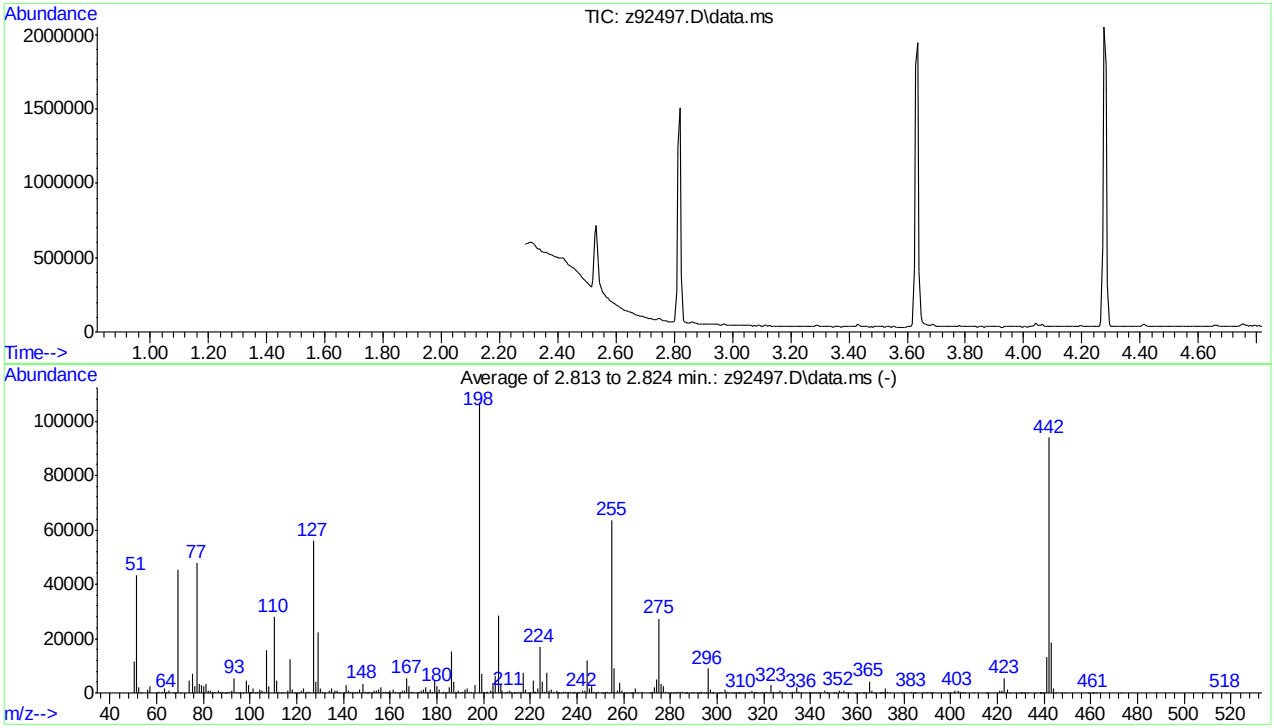
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92497.D
Acq On : 13 Jun 2014 12:19 pm
Operator : olgaa
Sample : dftpp
Misc : op75490,ez4598,
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 93, 94, 95; Background Corrected with Scan 89

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	43464	PASS
68	69	0.00	2	0.4	188	PASS
69	198	0.00	100	42.6	45558	PASS
70	69	0.00	2	0.3	134	PASS
127	198	40	60	52.5	56050	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	106823	PASS
199	198	5	9	6.7	7112	PASS
275	198	10	30	25.5	27241	PASS
365	198	1	100	4.0	4300	PASS
441	443	0.01	100	71.1	13156	PASS
442	198	40	100	87.9	93861	PASS
443	442	17	23	19.7	18514	PASS

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	11388	65.05	926	80.10	2438	90.15	84
51.10	43464	67.10	2	81.10	3371	91.10	491
52.10	2147	68.10	188	82.10	956	92.05	746
53.10	70	69.10	45558	83.10	769	93.10	5515
56.10	1121	70.10	134	84.00	393	94.10	356
57.10	2627	74.05	4378	85.10	468	95.10	168
60.00	81	75.10	7153	86.10	707	96.10	346
61.05	416	76.10	2515	87.10	435	97.10	90
62.10	591	77.10	47740	88.05	323	98.10	4454
63.10	1624	78.10	3509	89.05	73	99.05	3011
64.05	268	79.10	3032	89.70	23	100.05	333

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
100.30	25	112.10	543	124.05	583	137.05	924
101.10	1796	113.10	156	125.10	555	138.00	209
102.05	84	114.10	47	127.05	56050	140.10	213
103.10	411	116.10	825	128.05	4310	141.05	3025
104.00	1247	117.05	12263	129.10	22131	142.05	1021
105.10	1020	118.00	1121	130.05	1772	143.05	452
106.10	295	119.15	184	131.00	242	144.10	237
107.10	15752	120.00	158	132.05	203	145.10	9
108.10	2364	121.10	192	134.00	652	146.05	541
110.10	27903	122.05	1018	135.05	1761	147.05	1410
111.10	4494	123.05	1800	136.05	713	148.10	3476

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.00	441	158.20	46	168.10	2576	179.05	4486
150.00	141	158.90	182	169.05	343	180.10	2567
150.20	61	159.10	247	170.05	336	181.10	1368
151.10	375	160.00	751	171.10	149	182.10	151
152.00	77	161.05	1269	172.05	518	183.00	232
153.00	941	162.10	422	173.05	743	184.05	248
154.05	821	163.05	13	174.10	1243	185.10	1953
155.10	1387	164.00	113	175.10	2245	186.10	15479
156.10	2110	165.00	764	176.10	623	187.10	4331
157.10	569	166.10	981	177.05	1063	188.10	514
157.95	378	167.05	5493	178.05	331	189.00	901

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
190.00	102	201.75	491	211.75	2	221.80	471
191.05	336	203.00	733	213.00	89	222.10	528
192.05	1157	204.05	3904	213.20	43	223.05	1595
193.10	1501	205.10	6300	214.10	32	224.05	16748
194.05	532	206.10	28400	215.10	329	225.05	4004
195.05	302	207.10	3364	216.10	629	226.10	535
196.05	3060	208.00	780	217.00	7279	227.00	7361
198.00	106823	209.05	184	218.00	1063	228.00	916
199.00	7112	210.20	372	219.00	43	229.00	1319
200.00	618	210.40	231	220.00	25	230.00	264
201.00	126	211.05	897	221.10	4540	231.10	644

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
231.95	134	242.10	796	252.10	54	263.05	82
232.20	74	243.10	741	253.05	297	263.30	22
233.05	213	244.10	11889	254.05	9	263.90	170
234.00	440	245.10	1747	255.05	63618	265.05	1481

DFTPPZ.M Mon Jun 16 12:17:11 2014 RTE

ACCUTEST LABORATORIES JB68173

235.10	592	246.05	2612	256.00	9187	265.90	175
236.00	316	247.05	503	257.10	730	268.00	252
237.00	450	248.05	99	258.00	3856	271.10	166
238.00	158	248.95	407	259.05	684	272.15	247
239.05	277	250.30	57	260.00	119	273.10	1955
240.05	150	251.00	36	261.15	150	274.05	4809
241.05	307	251.90	27	262.00	33	275.10	27241

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
276.10	3477	286.30	36	296.05	8999	307.00	43
277.05	2560	286.90	26	296.95	1265	308.05	159
278.05	486	287.10	25	297.80	76	308.90	45
279.05	103	289.10	153	298.25	55	309.20	36
280.10	17	290.05	69	300.90	19	309.60	16
281.05	41	291.10	114	301.00	83	310.15	158
281.95	201	292.05	118	302.05	125	310.80	19
283.00	306	292.90	142	303.10	1051	311.90	20
284.00	277	293.10	444	304.05	267	313.10	127
285.10	520	294.10	28	304.90	41	314.10	476
285.95	114	295.00	196	306.10	36	315.00	971

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
315.80	53	324.75	49	339.15	87	349.80	19
316.05	541	326.10	60	339.90	76	350.00	21
316.90	48	326.95	698	340.20	32	351.00	39
317.10	67	327.95	229	341.10	218	352.05	959
318.30	22	329.15	77	342.05	149	353.10	594
319.20	19	331.00	20	343.05	125	354.10	982
319.90	79	332.00	222	343.95	63	355.10	161
321.05	306	333.00	233	346.00	807	356.15	120
321.95	115	334.05	1958	346.80	41	359.05	122
323.10	2798	335.00	467	346.90	47	360.00	40
324.10	613	336.00	89	347.05	122	361.00	18

Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
362.40	17	372.00	1484	391.05	155	405.05	54
362.90	20	373.10	466	391.80	21	405.90	20
364.00	27	374.05	49	392.10	126	410.10	27
365.00	4300	379.30	20	397.00	19	415.00	82
365.95	670	383.05	492	399.00	28	415.70	22
367.10	35	383.95	126	400.00	22	416.00	34
369.50	18	384.20	20	401.10	115	419.90	36
369.90	45	384.95	77	401.90	685	421.00	748
370.15	151	388.40	20	403.00	853	422.05	836
371.05	242	389.00	25	404.00	390	423.05	5468
371.30	57	390.05	252	404.70	27	424.05	1352

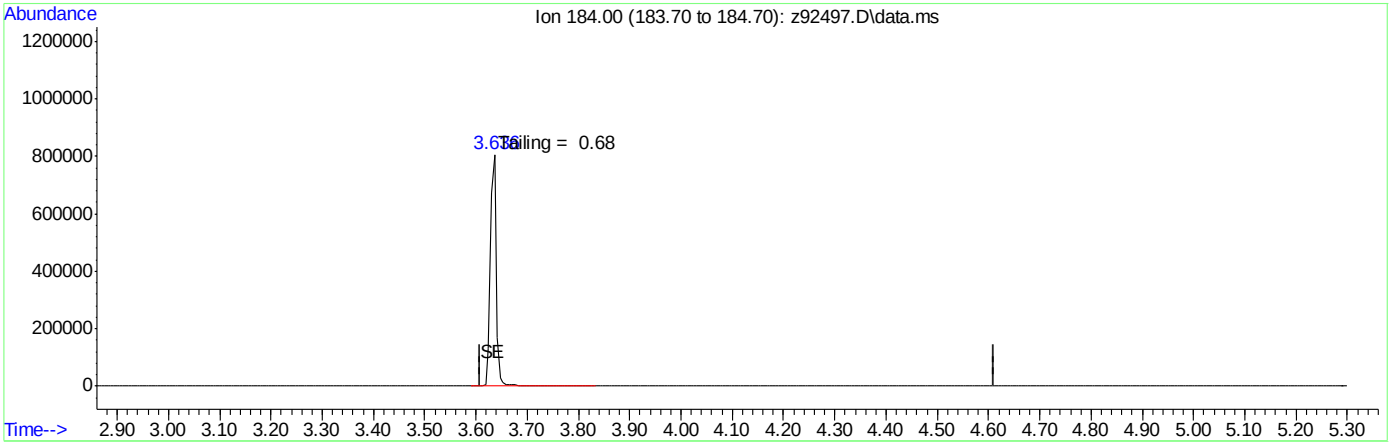
Average of 2.813 to 2.824 min.: z92497.D\data.ms
dftpp
Modified:subtracted

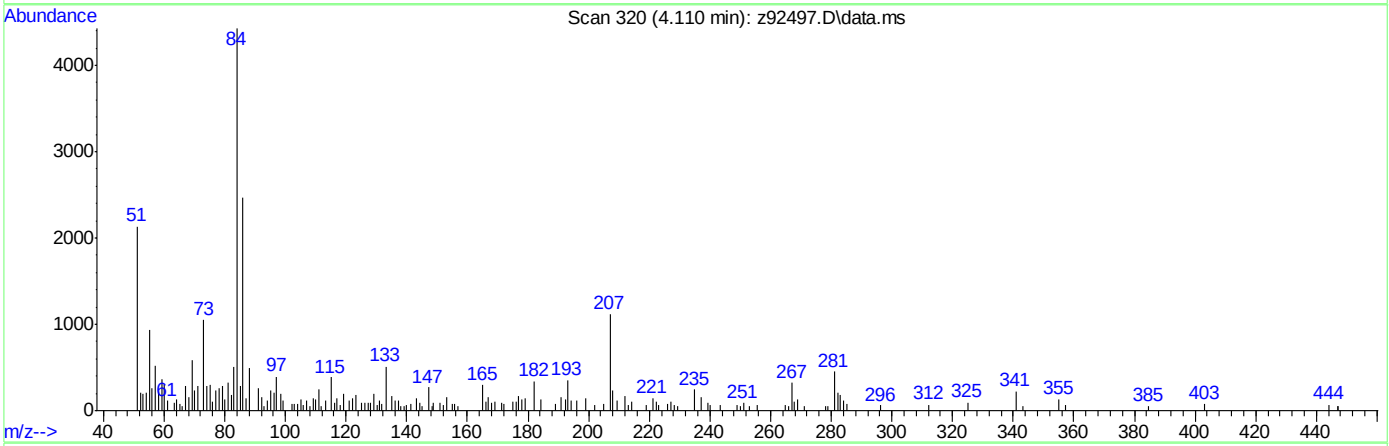
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
425.05	151	439.10	20	461.10	31		
429.05	30	439.70	22	462.20	17		
429.80	16	441.05	13156	472.90	18		
430.10	53	442.10	93861	508.20	16		
430.60	17	443.05	18514	517.70	21		
431.30	28	444.05	1711				
432.90	29	445.05	127				
436.20	44	447.30	66				
437.95	58	448.60	26				
438.20	18	458.70	16				
438.50	20	460.90	17				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92497.D
Acq On : 13 Jun 2014 12:19 pm
Operator : olgaa
Sample : dftpp
Misc : op75490,ez4598,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 12:24:55 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: z92497.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

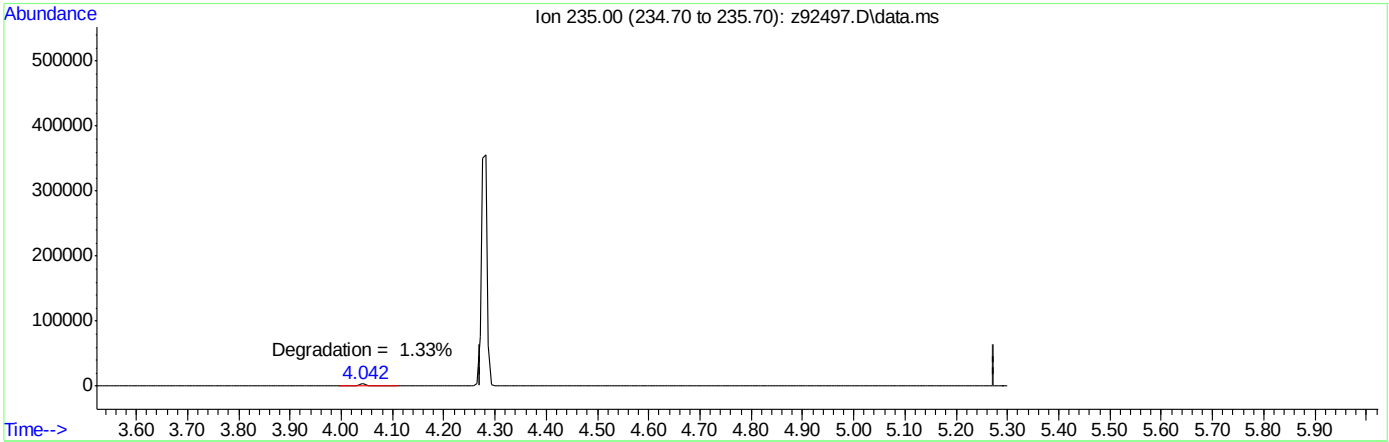
Z92497.D edits: Benzidine

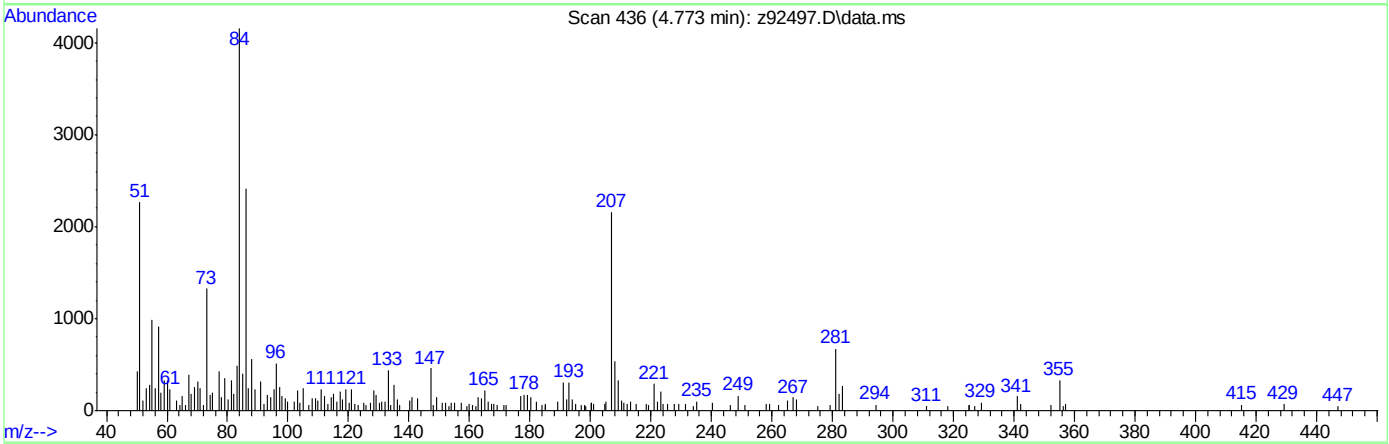
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92497.D
Acq On : 13 Jun 2014 12:19 pm
Operator : olgaa
Sample : dftpp
Misc : op75490,ez4598,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 12:24:55 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: z92497.D\data.ms

(3) PP-DDT

4.773min (-4.773) 0.00

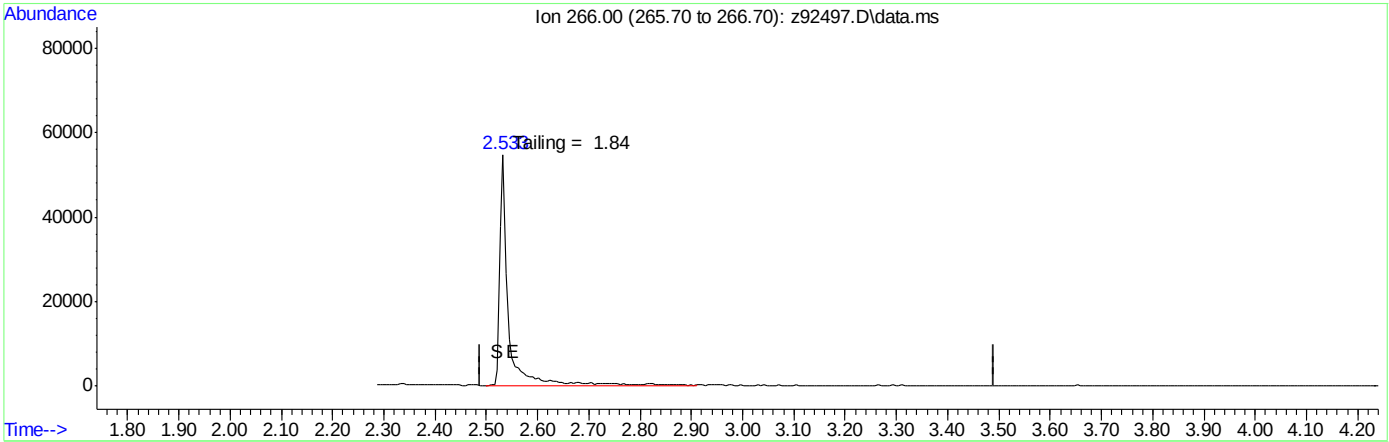
response 0

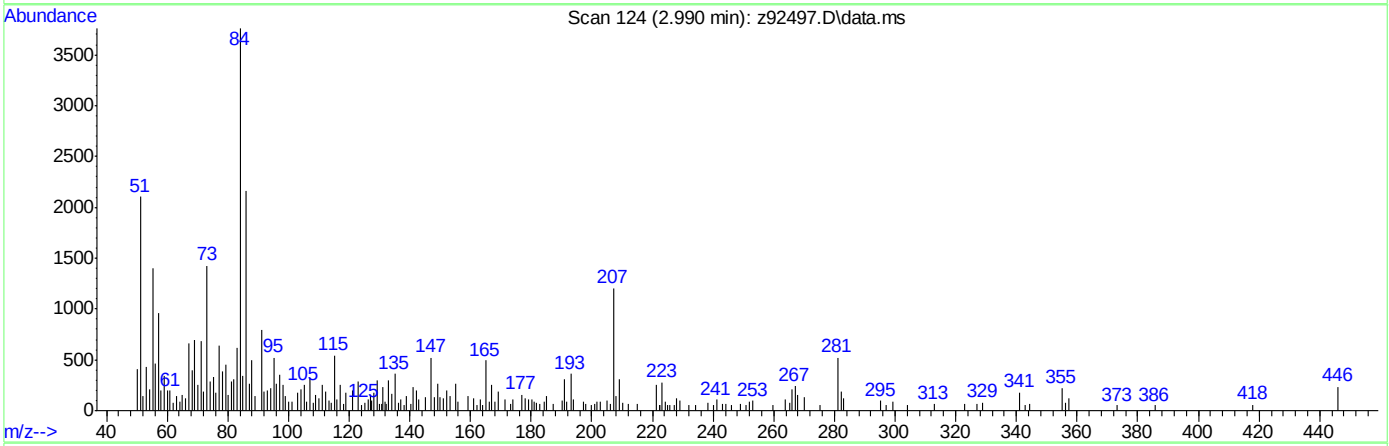
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92497.D
Acq On : 13 Jun 2014 12:19 pm
Operator : olgaa
Sample : dftpp
Misc : op75490,ez4598,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 12:24:55 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: z92497.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

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/09/14 23:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	314232	40.00	ppb	0.00
24) Naphthalene-d8	6.128	136	1076153	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	553440	40.00	ppb	0.00
69) Phenanthrene-d10	10.466	188	822674	40.00	ppb	0.00
83) Chrysene-d12	14.675	240	677686	40.00	ppb	0.00
92) Perylene-d12	16.804	264	554937	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.984	152	314232	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	553440	40.00	ppb	0.00
106) Phenanthrene-d10a	10.466	188	822674	40.00	ppb	0.00
110) Chrysene-d12a	14.675	240	677686	40.00	ppb	0.00
112) Naphthalene-d8a	6.128	136	1076153	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.983	112	1052364	98.71	ppb	0.00
Spiked Amount 50.000			Recovery = 197.42%			
8) Phenol-d5	4.700	99	1268152	96.41	ppb	0.00
Spiked Amount 50.000			Recovery = 192.82%			
25) Nitrobenzene-d5	5.449	82	925455	98.18	ppb	0.00
Spiked Amount 50.000			Recovery = 196.36%			
51) 2-Fluorobiphenyl	7.364	172	1551036	94.16	ppb	0.00
Spiked Amount 50.000			Recovery = 188.32%			
73) 2,4,6-Tribromophenol	9.412	330	143655	101.34	ppb	0.00
Spiked Amount 50.000			Recovery = 202.68%			
85) Terphenyl-d14	13.028	244	1458822	103.67	ppb	0.00
Spiked Amount 50.000			Recovery = 207.34%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.566	88	555723	95.97	ppb	100
3) Pyridine	2.871	79	1379093	93.01	ppb	100
4) N-Nitrosodimethylamine	2.844	74	742802	94.30	ppb	100
6) Indene	5.198	116	1745059	82.03	ppb	100
7) Cumene	4.374	105	2486320	83.26	ppb	100
9) Phenol	4.711	94	1447359	96.50	ppb	100
10) Aniline	4.721	93	1283429	81.53	ppb	100
11) bis(2-Chloroethyl)ether	4.775	93	988750	93.33	ppb	100
12) 2-Chlorophenol	4.823	128	1120190	95.66	ppb	100
13) Decane	4.850	43	968217	78.43	ppb	100
14) 1,3-Dichlorobenzene	4.941	146	1143484	93.17	ppb	100
15) 1,4-Dichlorobenzene	5.000	146	1117443	91.10	ppb	100
16) Benzyl alcohol	5.096	108	729278	97.33	ppb	100
17) 1,2-Dichlorobenzene	5.123	146	1007607	88.59	ppb	100
18) Acetophenone	5.321	105	1363756	81.44	ppb	100
19) 2-Methylphenol	5.181	108	925714	92.47	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.198	121	349796	89.72	ppb	100
21) 3&4-Methylphenol	5.310	108	938042	88.53	ppb	100
22) n-Nitroso-di-n-propyla...	5.321	70	603086	82.14	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	316674	94.06	ppb	100
26) Nitrobenzene	5.465	77	993378	95.24	ppb	100
27) Quinoline	6.524	129	2089598	96.08	ppb	100
28) Isophorone	5.684	82	1685339	93.84	ppb	100
29) 2-Nitrophenol	5.754	139	557755	112.47	ppb	100
30) 2,4-Dimethylphenol	5.786	107	893625	112.29	ppb	100
31) Benzoic acid	5.941	105	729537m	127.58	ppb	
32) bis(2-Chloroethoxy)met...	5.871	93	1022768	95.14	ppb	100
33) 2,4-Dichlorophenol	5.984	162	739901	101.64	ppb	100
34) 2,6-Dichlorophenol	6.214	162	696474	97.82	ppb	100
35) 1,3,5-Trichlorobenzene	5.770	180	931326	95.36	ppb	100
36) 1,2,4-Trichlorobenzene	6.069	180	730635	92.58	ppb	100
37) 1,2,3-Trichlorobenzene	6.305	180	742401	86.85	ppb	100
38) Naphthalene	6.155	128	2486805	87.02	ppb	100
39) 4-Chloroaniline	6.203	127	1093556	91.22	ppb	100
40) 2,3-Dichloroaniline	7.257	161	966171	94.26	ppb	100
41) Caprolactam	6.626	55	534560	105.74	ppb	100
42) Hexachlorobutadiene	6.283	225	332496	91.92	ppb	100
43) 4-Chloro-3-methylphenol	6.738	107	800209	100.03	ppb	100
44) 2-Methylnaphthalene	6.914	141	1564766	94.15	ppb	100
45) 1-Methylnaphthalene	7.032	141	1732062	92.52	ppb	100
46) Dimethylnaphthalene	7.701	156	1746737	93.21	ppb	100
48) Hexachlorocyclopentadiene	7.112	237	828052	216.29	ppb	100
49) 2,4,6-Trichlorophenol	7.262	196	439275	101.38	ppb	100
50) 2,4,5-Trichlorophenol	7.310	196	446230	98.97	ppb	100
52) 2-Chloronaphthalene	7.519	162	1390224	91.44	ppb	100
53) Biphenyl	7.497	154	2259160	94.41	ppb	100
54) 2-Nitroaniline	7.658	65	535312	115.87	ppb	100
55) Dimethylphthalate	7.904	163	1577894	96.49	ppb	100
56) Acenaphthylene	8.070	152	2423352	97.68	ppb	100
57) 2,6-Dinitrotoluene	7.984	165	378675	120.02	ppb	100
58) 3-Nitroaniline	8.214	138	505136	115.64	ppb	100
59) Acenaphthene	8.316	153	1552772	98.10	ppb	100
60) 2,4-Dinitrophenol	8.364	184	395753	273.43	ppb	100
61) 4-Nitrophenol	8.466	109	249670	122.86	ppb	100
62) Dibenzofuran	8.562	168	2003490	94.58	ppb	100
63) 2,4-Dinitrotoluene	8.551	165	521330	123.32	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.738	232	341568	106.24	ppb	100
65) Diethylphthalate	8.920	149	1624062	98.95	ppb	100
66) Fluorene	9.054	166	1755956	99.98	ppb	100
67) 4-Chlorophenyl-phenyle...	9.065	204	696771	96.48	ppb	100
68) 4-Nitroaniline	9.113	138	482180	107.61	ppb	100
70) 4,6-Dinitro-2-methylph...	9.150	198	246219	125.38	ppb	100
71) n-Nitrosodiphenylamine	9.246	169	1151170	100.02	ppb	100
72) 1,2-Diphenylhydrazine	9.300	77	1814053	98.74	ppb	100
74) 4-Bromophenyl-phenylether	9.797	248	362583	97.29	ppb	100
75) Hexachlorobenzene	9.888	284	346429	90.23	ppb	100
76) Pentachlorophenol	10.199	266	543238	233.50	ppb	100
77) Phenanthrene	10.509	178	2137964	94.65	ppb	100
78) Anthracene	10.589	178	2109164	94.58	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration

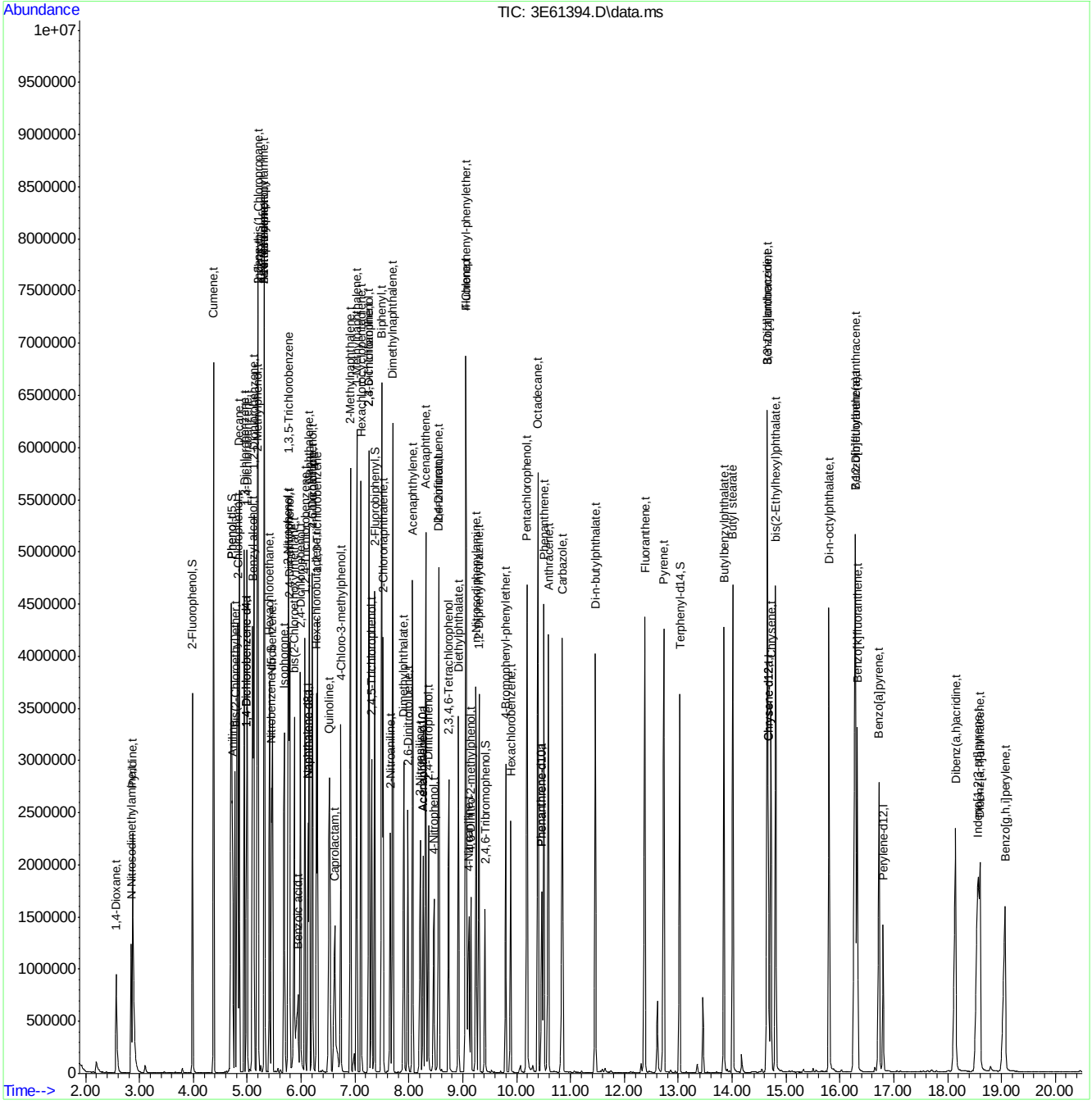
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.851	167	2522912	98.59	ppb	100
80) Di-n-butylphthalate	11.461	149	2718883	103.58	ppb	100
81) Fluoranthene	12.381	202	2421179	104.72	ppb	100
82) Octadecane	10.396	57	1315205	97.78	ppb	100
84) Pyrene	12.734	202	2419224	106.00	ppb	100
86) Butylbenzylphthalate	13.852	149	1312358	120.73	ppb	100
87) Butyl stearate	14.012	56	846332	115.71	ppb	100
88) Benzo[a]anthracene	14.659	228	2184269	104.85	ppb	100
89) 3,3'-Dichlorobenzidine	14.654	252	861274	119.96	ppb	100
90) Chrysene	14.723	228	1597022	95.24	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.809	149	1565193	114.57	ppb	100
93) Di-n-octylphthalate	15.799	149	2886621	120.22	ppb	100
94) Benzo[b]fluoranthene	16.291	252	2112354	112.57	ppb	100
95) Benzo[k]fluoranthene	16.328	252	1439649	86.82	ppb	100
96) Benzo[a]pyrene	16.735	252	1611357	104.02	ppb	100
97) Indeno[1,2,3-cd]pyrene	18.558	276	1791770m	110.61	ppb	
98) Dibenz(a,h)acridine	18.152	279	1782802	111.78	ppb	100
99) Dibenz[a,h]anthracene	18.601	278	1516871	100.83	ppb	100
100) 7,12-Dimethylbenz(a)an...	16.291	256	1217205	153.79	ppb	100
101) Benzo[g,h,i]perylene	19.072	276	1591877	105.81	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Manual Integration Approval Summary

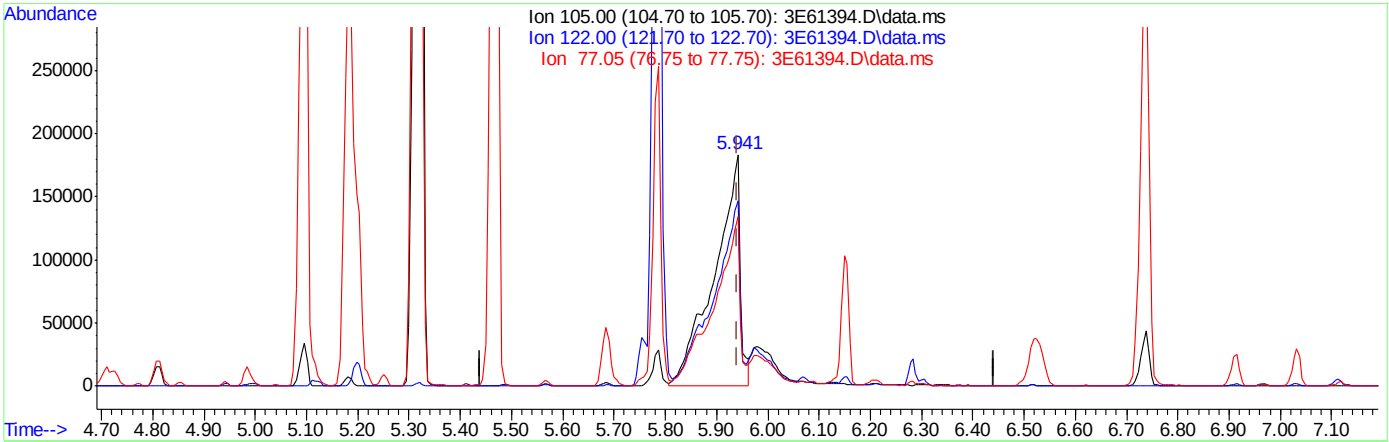
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61394.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 17:45	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

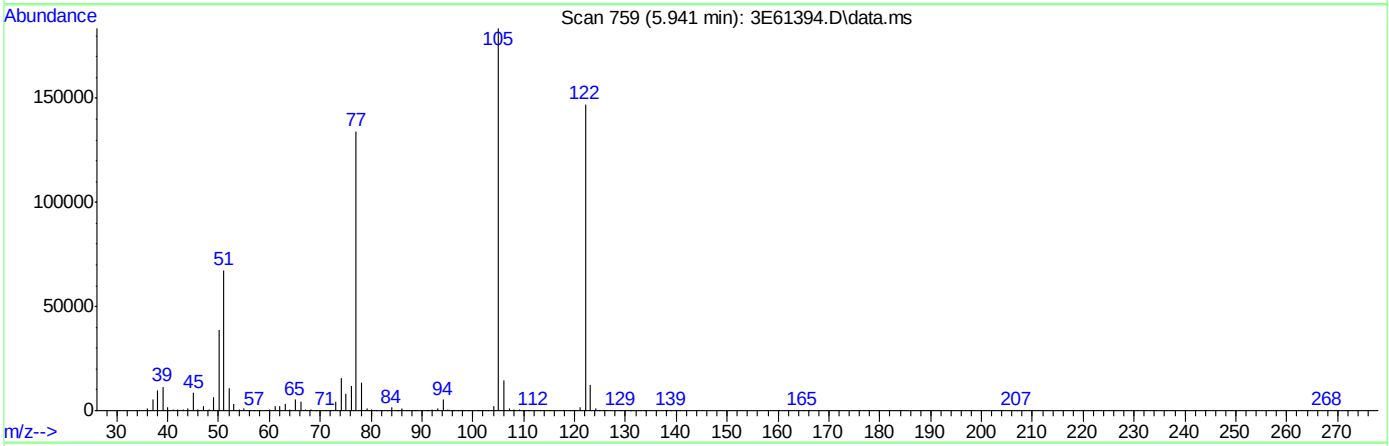
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.94	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.56	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:35:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(31) Benzoic acid (t)

5.941min (0.000) 111.01ppb

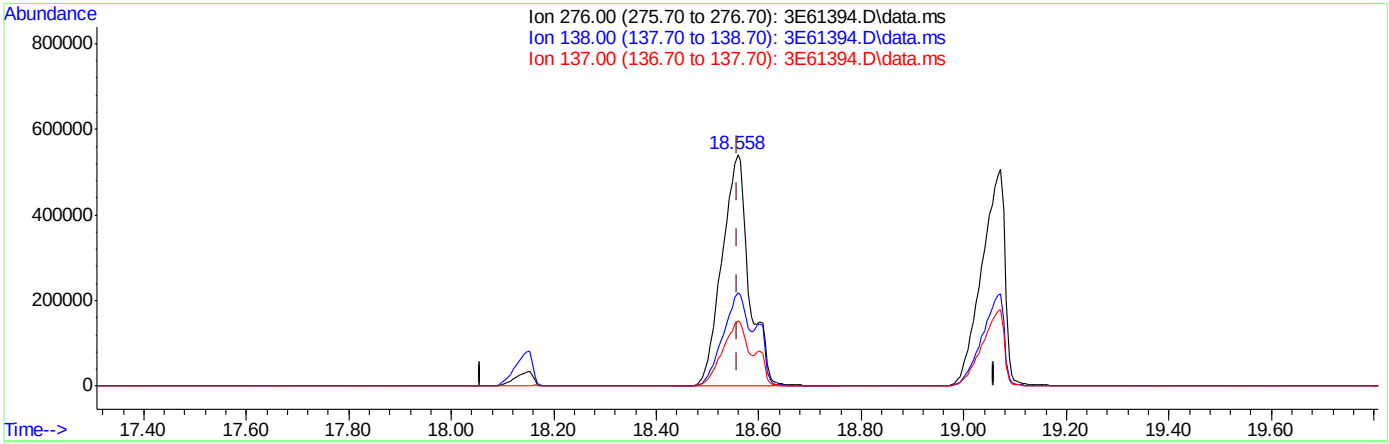
response 634804

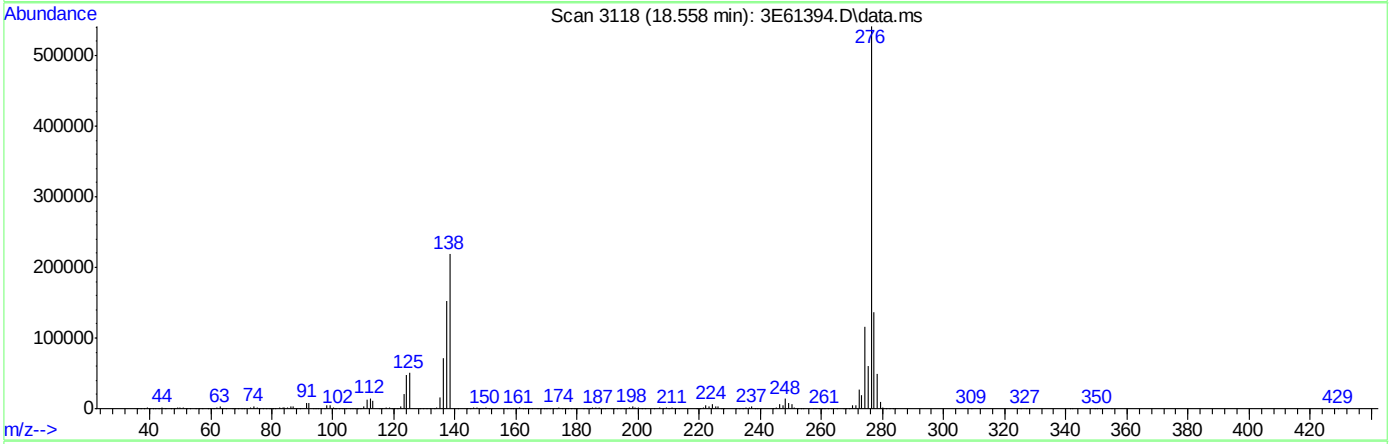
Ion	Exp%	Act%
105.00	100	100
122.00	77.10	77.13
77.05	71.90	71.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:36:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.558min (0.000) 124.33ppb

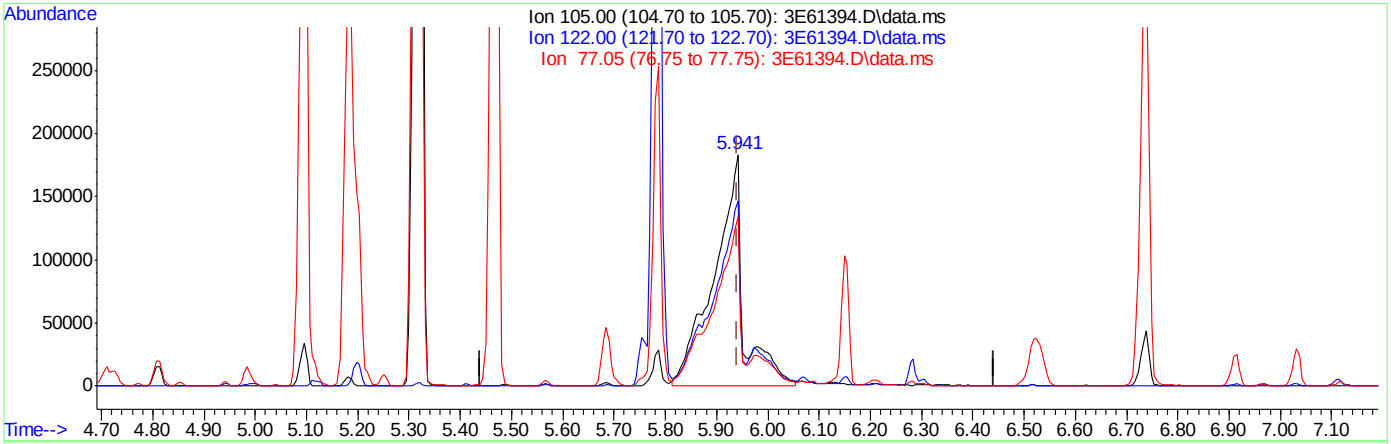
response 2014021

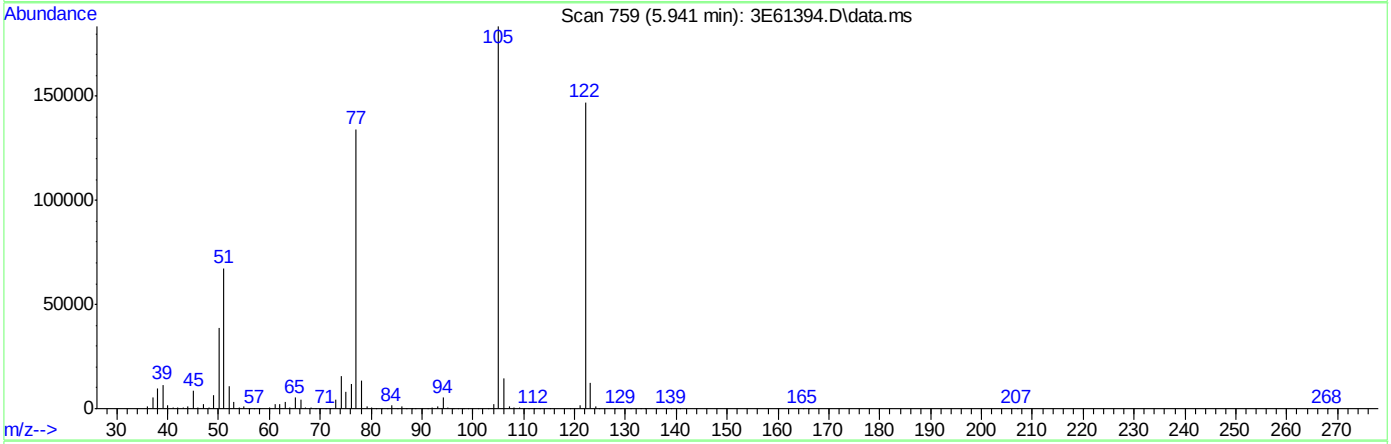
Ion	Exp%	Act%
276.00	100	100
138.00	40.30	40.35
137.00	28.00	28.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(31) Benzoic acid (t)

5.941min (0.000) 127.58ppb m

response 729537

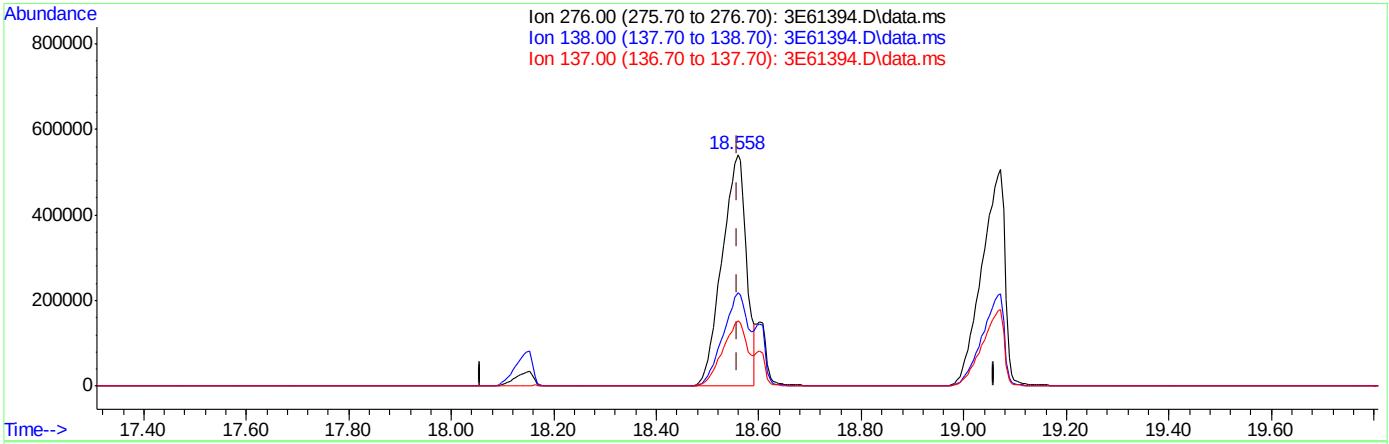
Ion	Exp%	Act%
105.00	100	100
122.00	77.10	80.20
77.05	71.90	73.12
0.00	0.00	0.00

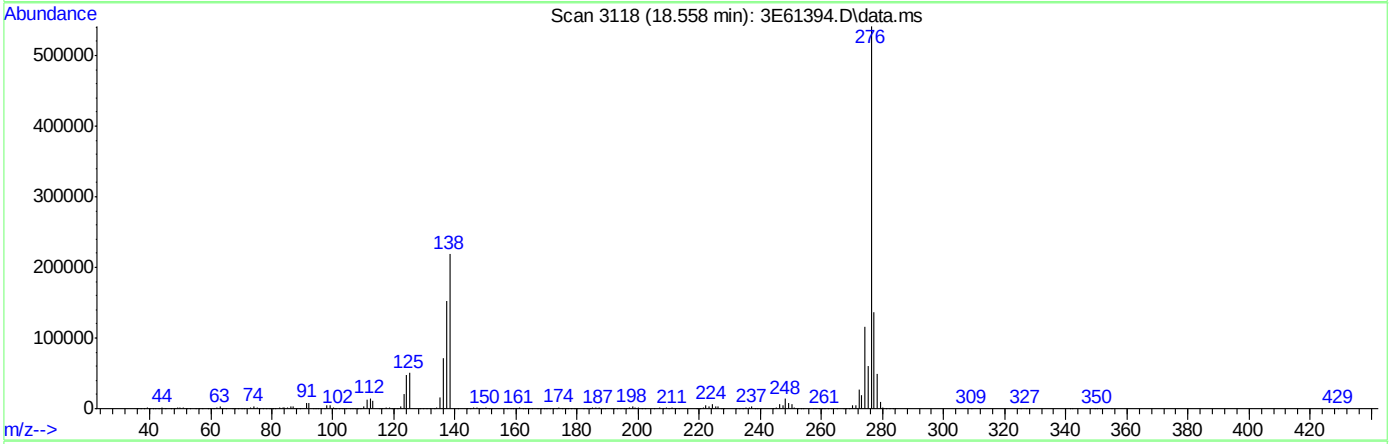
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61394.D
Acq On : 4 Jun 2014 5:45 pm
Operator : olgaa
Sample : ic2646-100
Misc : op74977,e3e2646,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:48:04 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:33:21 2014
QLast Update : Thu Jun 05 09:35:25 2014
Response via : Initial Calibration





TIC: 3E61394.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.558min (0.000) 110.61ppb m

response 1791770

Ion	Exp%	Act%
276.00	100	100
138.00	40.30	40.37
137.00	28.00	28.02
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68173

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/09/14 23:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	302707	40.00	ppb	0.00
24) Naphthalene-d8	6.128	136	1071415	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	557084	40.00	ppb	0.00
69) Phenanthrene-d10	10.466	188	819925	40.00	ppb	0.00
83) Chrysene-d12	14.675	240	676896	40.00	ppb	0.00
92) Perylene-d12	16.804	264	562300	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.984	152	302707	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	557084	40.00	ppb	0.00
106) Phenanthrene-d10a	10.466	188	819925	40.00	ppb	0.00
110) Chrysene-d12a	14.675	240	676896	40.00	ppb	0.00
112) Naphthalene-d8a	6.128	136	1071415	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.984	112	858002	84.64	ppb	0.00
Spiked Amount 50.000			Recovery = 169.28%			
8) Phenol-d5	4.695	99	1033511	84.60	ppb	0.00
Spiked Amount 50.000			Recovery = 169.20%			
25) Nitrobenzene-d5	5.449	82	780370	84.70	ppb	0.00
Spiked Amount 50.000			Recovery = 169.40%			
51) 2-Fluorobiphenyl	7.364	172	1288141	82.51	ppb	0.00
Spiked Amount 50.000			Recovery = 165.02%			
73) 2,4,6-Tribromophenol	9.407	330	116294	81.23	ppb	0.00
Spiked Amount 50.000			Recovery = 162.46%			
85) Terphenyl-d14	13.023	244	1197303	82.17	ppb	0.00
Spiked Amount 50.000			Recovery = 164.34%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.566	88	444165	82.97	ppb	96
3) Pyridine	2.871	79	1130915	85.13	ppb	98
4) N-Nitrosodimethylamine	2.844	74	611086	85.40	ppb	99
6) Indene	5.198	116	1490546	88.67	ppb	99
7) Cumene	4.374	105	2089601	87.24	ppb	99
9) Phenol	4.706	94	1193242	85.58	ppb	97
10) Aniline	4.722	93	1058267	85.60	ppb	100
11) bis(2-Chloroethyl)ether	4.770	93	811282	85.18	ppb	96
12) 2-Chlorophenol	4.823	128	911415	84.46	ppb	100
13) Decane	4.850	43	867544	93.01	ppb	97
14) 1,3-Dichlorobenzene	4.941	146	916369	83.19	ppb	99
15) 1,4-Dichlorobenzene	5.000	146	904795	84.05	ppb	98
16) Benzyl alcohol	5.096	108	593059	84.42	ppb	100
17) 1,2-Dichlorobenzene	5.123	146	825855	85.08	ppb	98
18) Acetophenone	5.315	105	1164747	88.66	ppb	94
19) 2-Methylphenol	5.182	108	765687	85.86	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.198	121	293420	87.08	ppb	89
21) 3&4-Methylphenol	5.310	108	799416	88.47	ppb	98
22) n-Nitroso-di-n-propyla...	5.315	70	510524	87.87	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	241822	79.27	ppb	93
26) Nitrobenzene	5.465	77	837472	84.68	ppb	100
27) Quinoline	6.519	129	1735275	83.41	ppb	99
28) Isophorone	5.679	82	1418871	84.56	ppb	98
29) 2-Nitrophenol	5.754	139	458944	82.65	ppb	99
30) 2,4-Dimethylphenol	5.781	107	733336	82.43	ppb	98
31) Benzoic acid	5.930	105	613295m	84.44	ppb	
32) bis(2-Chloroethoxy)met...	5.872	93	855104	83.98	ppb	99
33) 2,4-Dichlorophenol	5.984	162	596927	81.03	ppb	99
34) 2,6-Dichlorophenol	6.214	162	569481	82.13	ppb	99
35) 1,3,5-Trichlorobenzene	5.765	180	729011	78.62	ppb	98
36) 1,2,4-Trichlorobenzene	6.069	180	586201	80.59	ppb	98
37) 1,2,3-Trichlorobenzene	6.299	180	615083	83.22	ppb	97
38) Naphthalene	6.150	128	2105817	85.05	ppb	100
39) 4-Chloroaniline	6.203	127	915206	84.06	ppb	99
40) 2,3-Dichloroaniline	7.252	161	805172	83.70	ppb	97
41) Caprolactam	6.610	55	455871	85.66	ppb	98
42) Hexachlorobutadiene	6.283	225	262515	79.30	ppb	99
43) 4-Chloro-3-methylphenol	6.733	107	665009	83.47	ppb	98
44) 2-Methylnaphthalene	6.909	141	1311994	84.22	ppb	99
45) 1-Methylnaphthalene	7.032	141	1461210	84.74	ppb	98
46) Dimethylnaphthalene	7.701	156	1448442	83.29	ppb	99
48) Hexachlorocyclopentadiene	7.112	237	638437	153.19	ppb	98
49) 2,4,6-Trichlorophenol	7.257	196	354488	80.17	ppb	99
50) 2,4,5-Trichlorophenol	7.310	196	365173	81.30	ppb	99
52) 2-Chloronaphthalene	7.519	162	1148306	82.06	ppb	99
53) Biphenyl	7.492	154	1893300	83.26	ppb	99
54) 2-Nitroaniline	7.653	65	454025	84.26	ppb	95
55) Dimethylphthalate	7.904	163	1300416	81.88	ppb	100
56) Acenaphthylene	8.065	152	2026234	83.07	ppb	99
57) 2,6-Dinitrotoluene	7.979	165	315447	82.76	ppb	97
58) 3-Nitroaniline	8.209	138	421817	82.96	ppb	98
59) Acenaphthene	8.311	153	1291523	82.63	ppb	97
60) 2,4-Dinitrophenol	8.359	184	328957	165.16	ppb	88
61) 4-Nitrophenol	8.460	109	210200	83.64	ppb	98
62) Dibenzofuran	8.557	168	1663935	82.51	ppb	99
63) 2,4-Dinitrotoluene	8.546	165	433645	82.64	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.738	232	276115	80.31	ppb	98
65) Diethylphthalate	8.920	149	1351220	82.66	ppb	99
66) Fluorene	9.054	166	1467229	83.01	ppb	99
67) 4-Chlorophenyl-phenyle...	9.059	204	561638	80.08	ppb	97
68) 4-Nitroaniline	9.107	138	404502	83.34	ppb	98
70) 4,6-Dinitro-2-methylph...	9.145	198	203344	82.86	ppb	98
71) n-Nitrosodiphenylamine	9.241	169	963234	83.95	ppb	99
72) 1,2-Diphenylhydrazine	9.300	77	1537562	85.04	ppb	99
74) 4-Bromophenyl-phenylether	9.797	248	293887	81.33	ppb	99
75) Hexachlorobenzene	9.888	284	285425	82.67	ppb	99
76) Pentachlorophenol	10.193	266	435375	160.83	ppb	100
77) Phenanthrene	10.504	178	1788537	83.94	ppb	99
78) Anthracene	10.584	178	1772027	84.30	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration

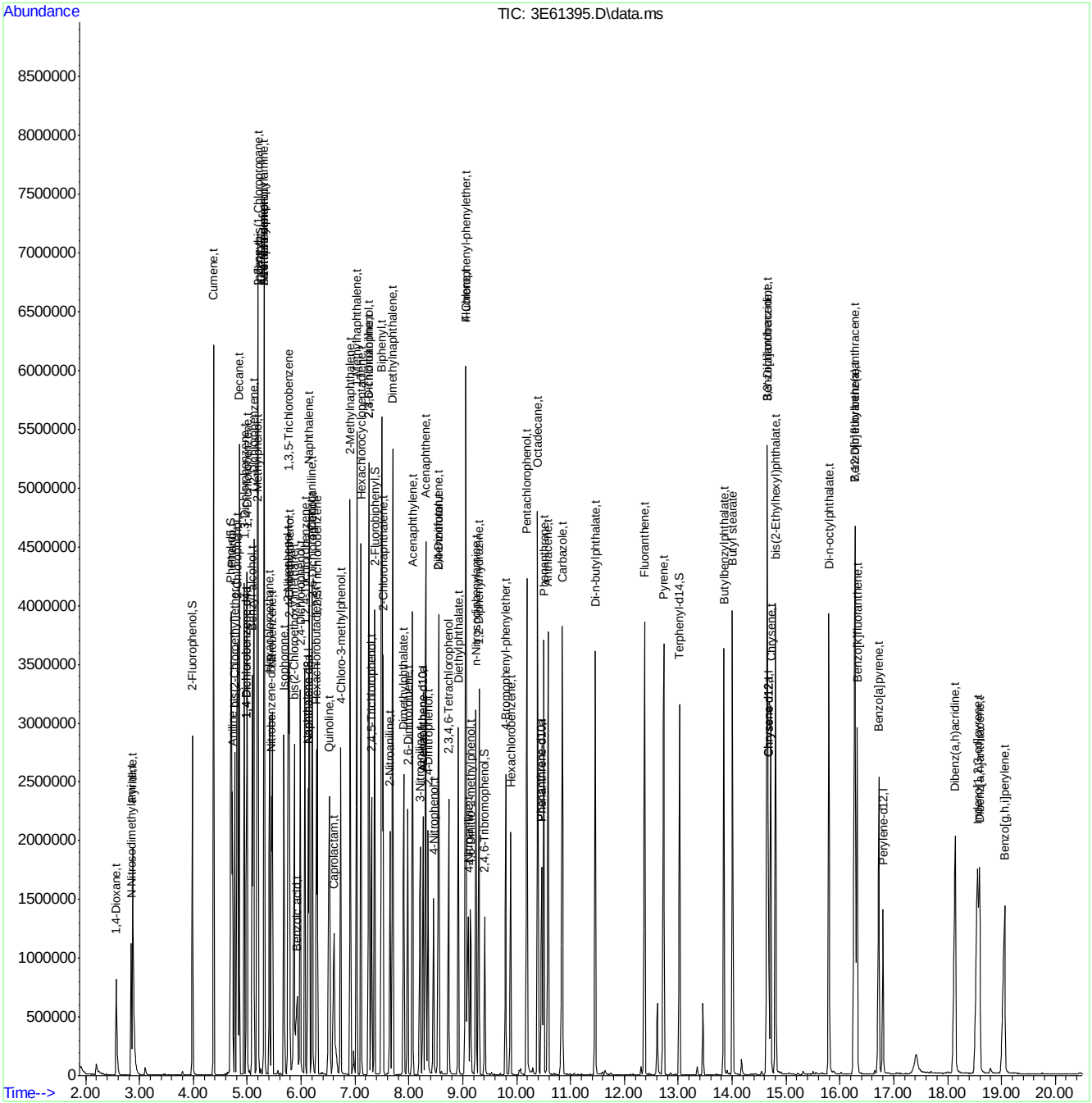
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.851	167	2112307	84.01	ppb	99
80) Di-n-butylphthalate	11.461	149	2279243	84.11	ppb	100
81) Fluoranthene	12.376	202	1989188	82.43	ppb	98
82) Octadecane	10.391	57	1157292	88.29	ppb	97
84) Pyrene	12.729	202	2000026	82.77	ppb	100
86) Butylbenzylphthalate	13.846	149	1090582	83.20	ppb	97
87) Butyl stearate	14.007	56	731993	86.59	ppb	95
88) Benzo[a]anthracene	14.654	228	1778940	81.54	ppb	99
89) 3,3'-Dichlorobenzidine	14.649	252	680704	79.13	ppb	98
90) Chrysene	14.718	228	1343066	84.20	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.804	149	1327755	84.93	ppb	98
93) Di-n-octylphthalate	15.793	149	2421835	82.80	ppb	99
94) Benzo[b]fluoranthene	16.280	252	1775247	82.94	ppb	97
95) Benzo[k]fluoranthene	16.323	252	1206229	82.69	ppb	99
96) Benzo[a]pyrene	16.724	252	1353341	82.89	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.553	276	1534366m	75.19	ppb	
98) Dibenz(a,h)acridine	18.141	279	1476553	81.74	ppb	72
99) Dibenz[a,h]anthracene	18.596	278	1281966	83.41	ppb	98
100) 7,12-Dimethylbenz(a)an...	16.280	256	981870	79.61	ppb	96
101) Benzo[g,h,i]perylene	19.061	276	1342199	83.21	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration



Manual Integration Approval Summary

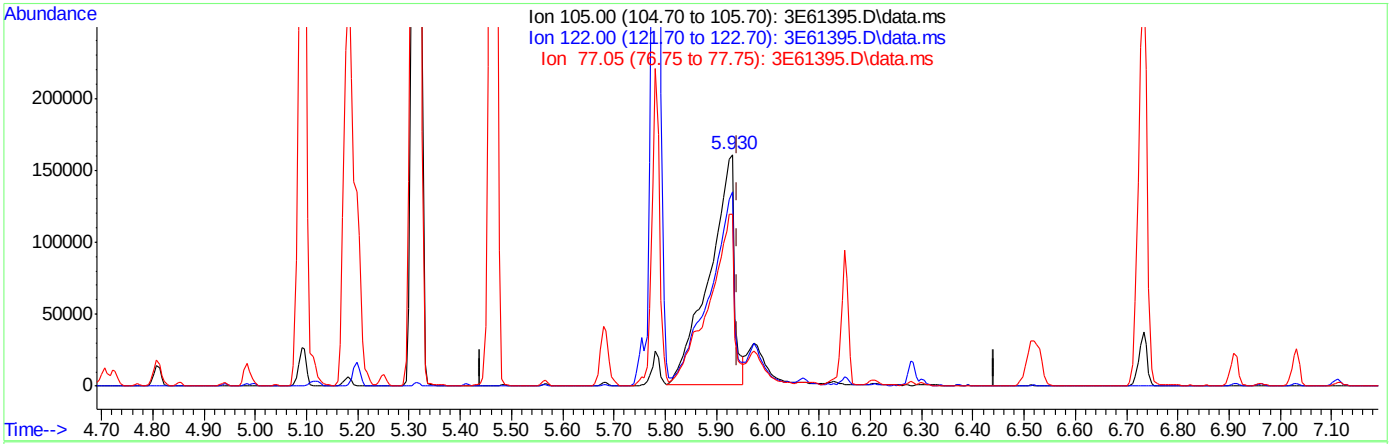
Sample Number:	E3E2646-IC2646	**Method:**	SW846 8270D
Lab FileID:	3E61395.D	**Analyst approved:**	06/06/14 09:18 Olga Azarihn
Injection Time:	06/04/14 18:13	**Supervisor approved:**	06/09/14 23:38 Nina Pandya

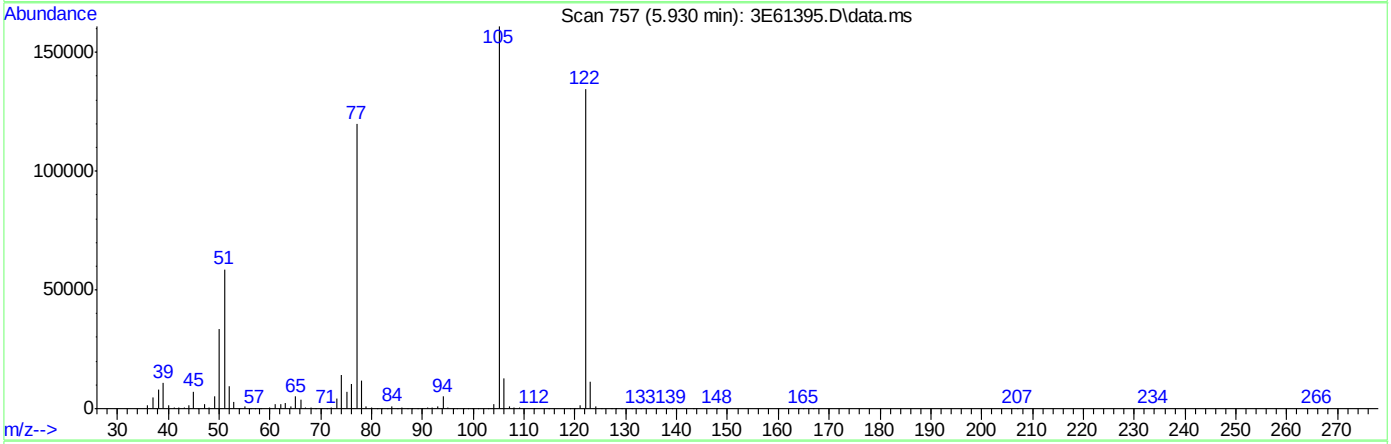
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.93	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.55	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:36:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(31) Benzoic acid (t)

5.930min (-0.011) 74.26ppb

response 539370

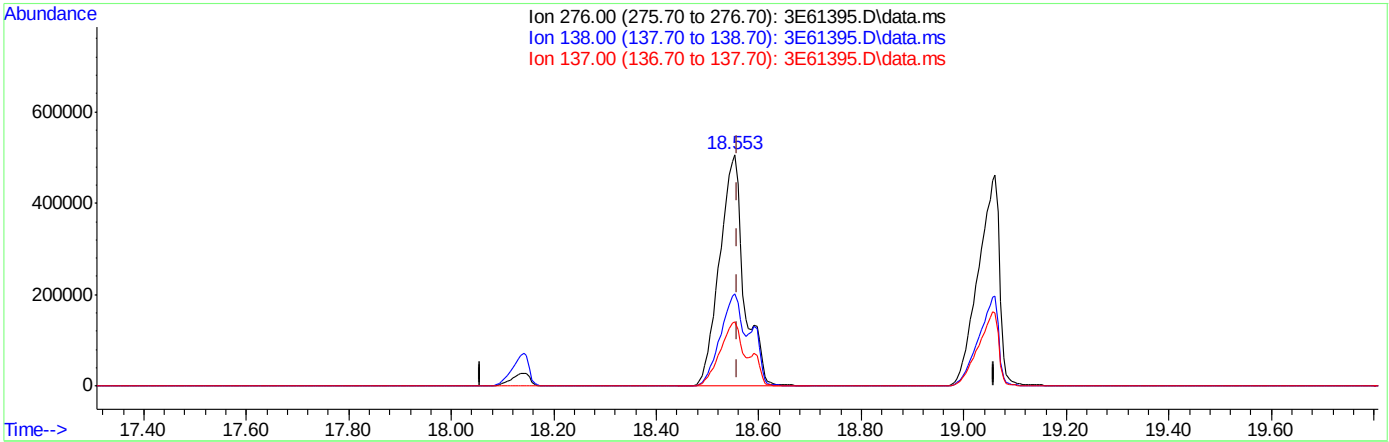
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	78.78
77.05	73.10	72.65
0.00	0.00	0.00

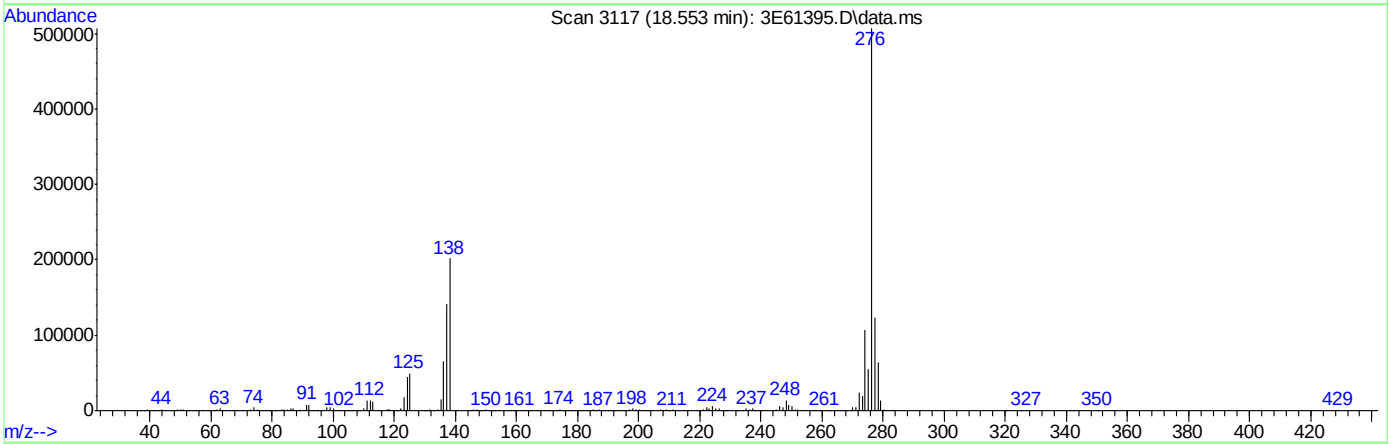
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:38:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.553min (-0.005) 82.86ppb

response 1690931

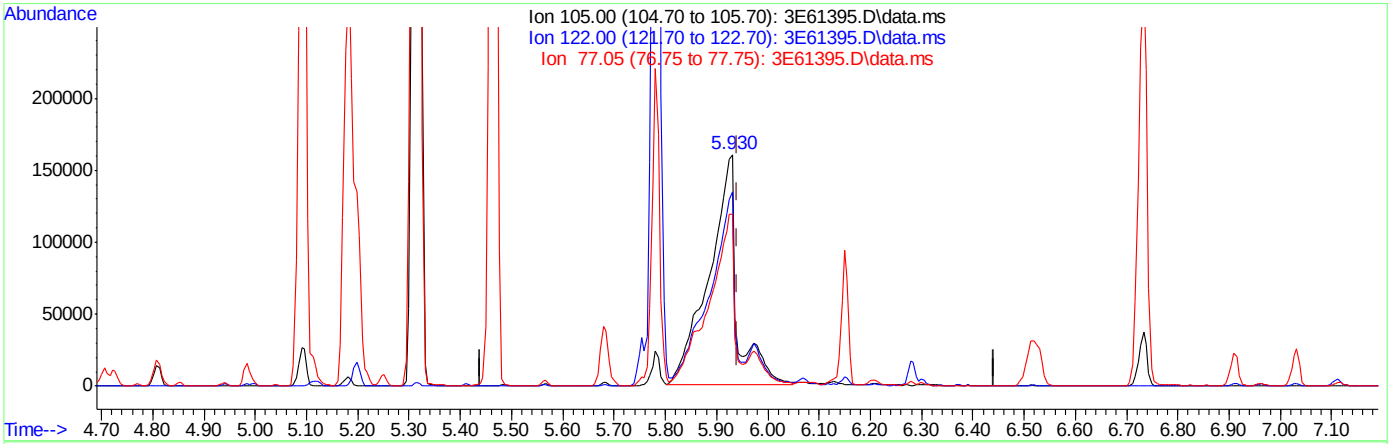
Ion	Exp%	Act%
276.00	100	100
138.00	40.30	39.77
137.00	28.00	27.91
0.00	0.00	0.00

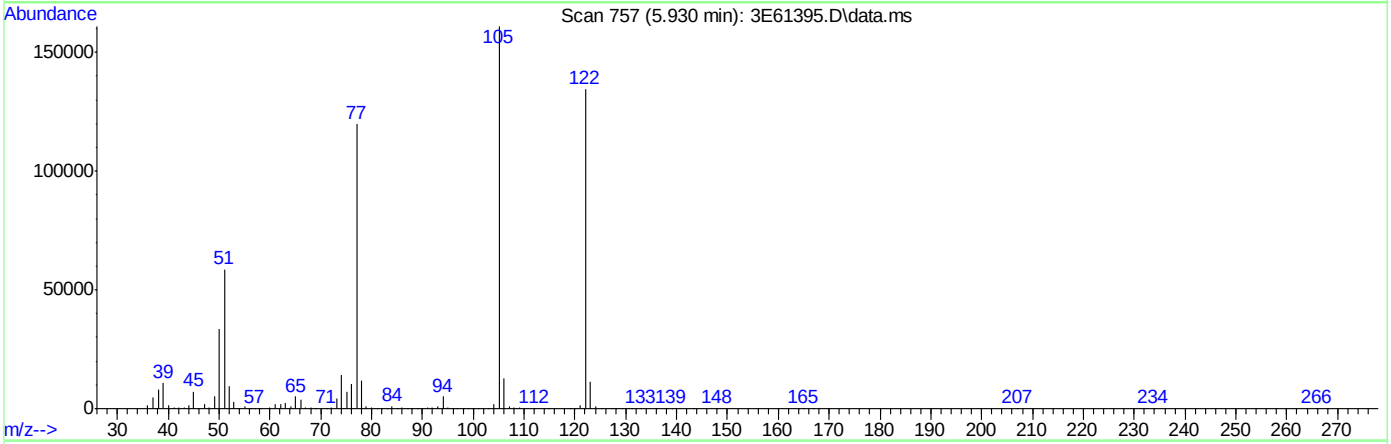
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(31) Benzoic acid (t)

5.930min (-0.011) 84.44ppb m

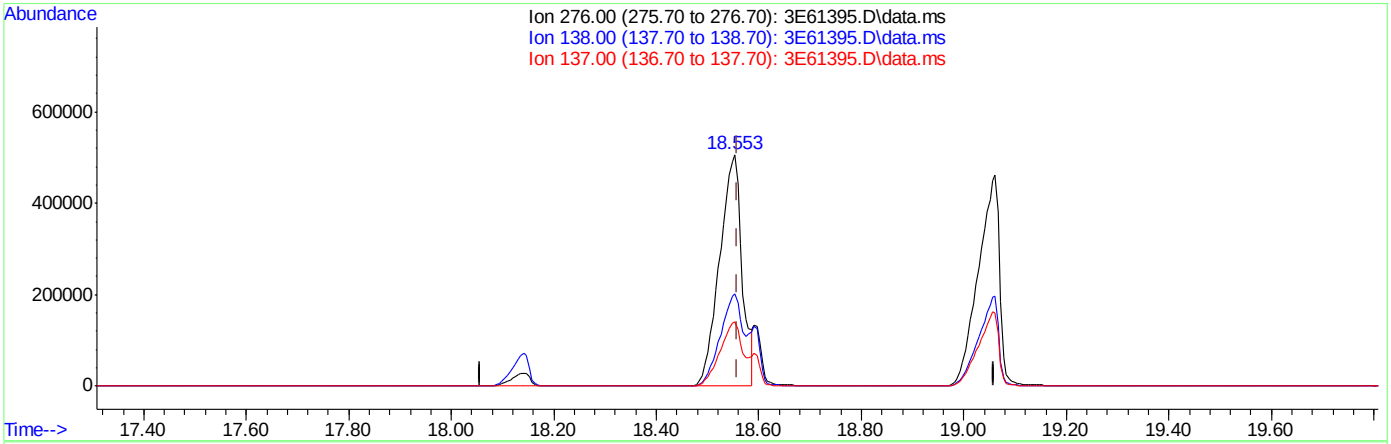
response 613295

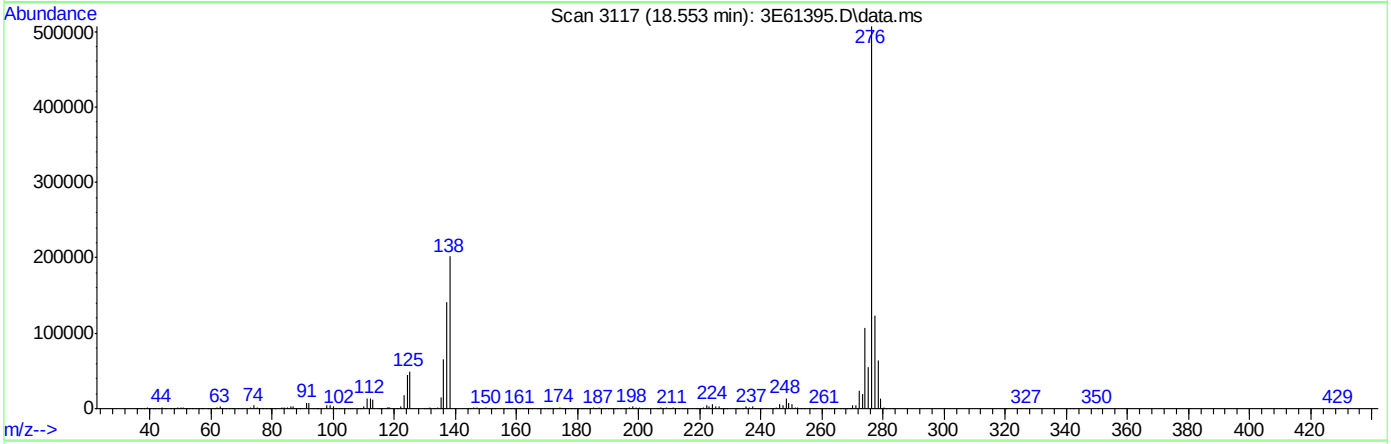
Ion	Exp%	Act%
105.00	100	100
122.00	80.20	83.70
77.05	73.10	74.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61395.D
Acq On : 4 Jun 2014 6:13 pm
Operator : olgaa
Sample : ic2646-80
Misc : op74977,e3e2646,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:48:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:36:31 2014
QLast Update : Thu Jun 05 09:36:31 2014
Response via : Initial Calibration





TIC: 3E61395.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.553min (-0.005) 75.19ppb m

response 1534366

Ion	Exp%	Act%
276.00	100	100
138.00	40.30	39.81
137.00	28.00	27.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	228468	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	837672	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	430892	40.00	ppb		0.00
69) Phenanthrene-d10	10.461	188	632717	40.00	ppb		0.00
83) Chrysene-d12	14.665	240	553973	40.00	ppb		-0.01
92) Perylene-d12	16.793	264	475578	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	4.984	152	228468	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	430892	40.00	ppb		0.00
106) Phenanthrene-d10a	10.461	188	632717	40.00	ppb		0.00
110) Chrysene-d12a	14.665	240	553973	40.00	ppb		-0.01
112) Naphthalene-d8a	6.123	136	837672	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	406796	51.67	ppb		0.00
Spiked Amount 50.000			Recovery = 103.34%				
8) Phenol-d5	4.684	99	499099	52.62	ppb		-0.02
Spiked Amount 50.000			Recovery = 105.24%				
25) Nitrobenzene-d5	5.444	82	378631	51.06	ppb		0.00
Spiked Amount 50.000			Recovery = 102.12%				
51) 2-Fluorobiphenyl	7.358	172	667496	54.42	ppb		0.00
Spiked Amount 50.000			Recovery = 108.84%				
73) 2,4,6-Tribromophenol	9.402	330	60880	54.68	ppb		-0.01
Spiked Amount 50.000			Recovery = 109.36%				
85) Terphenyl-d14	13.017	244	610500	50.51	ppb		-0.01
Spiked Amount 50.000			Recovery = 101.02%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.566	88	189052	45.94	ppb		93
3) Pyridine	2.876	79	481383	46.52	ppb		99
4) N-Nitrosodimethylamine	2.839	74	289632	51.88	ppb		97
6) Indene	5.192	116	700767	52.39	ppb		98
7) Cumene	4.374	105	991969	52.50	ppb		93
9) Phenol	4.695	94	583398	53.57	ppb		98
10) Aniline	4.721	93	595230	61.63	ppb		98
11) bis(2-Chloroethyl)ether	4.764	93	387857	52.26	ppb		96
12) 2-Chlorophenol	4.818	128	432912	51.71	ppb		97
13) Decane	4.850	43	435241	57.18	ppb		92
14) 1,3-Dichlorobenzene	4.941	146	455951	53.77	ppb		95
15) 1,4-Dichlorobenzene	4.994	146	450364	54.06	ppb		96
16) Benzyl alcohol	5.085	108	287987	52.85	ppb		93
17) 1,2-Dichlorobenzene	5.123	146	416249	55.07	ppb		97
18) Acetophenone	5.310	105	554528	53.05	ppb		97
19) 2-Methylphenol	5.176	108	368936	52.88	ppb		98
20) 2,2'-oxybis(1-Chloropr...	5.197	121	145078	54.63	ppb	#	57
21) 3&4-Methylphenol	5.299	108	403444	56.18	ppb		97
22) n-Nitroso-di-n-propyla...	5.304	70	268764	58.42	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	122642	53.51	ppb	97
26) Nitrobenzene	5.460	77	418160	52.54	ppb	98
27) Quinoline	6.503	129	753552	45.36	ppb	99
28) Isophorone	5.668	82	726472	53.84	ppb	96
29) 2-Nitrophenol	5.748	139	214944	48.70	ppb	95
30) 2,4-Dimethylphenol	5.775	107	357274	50.60	ppb	95
31) Benzoic acid	5.887	105	270562	46.36	ppb	99
32) bis(2-Chloroethoxy)met...	5.861	93	421733	51.69	ppb	96
33) 2,4-Dichlorophenol	5.978	162	291500	50.29	ppb	98
34) 2,6-Dichlorophenol	6.208	162	277991	50.60	ppb	97
35) 1,3,5-Trichlorobenzene	5.764	180	330675	46.01	ppb	97
36) 1,2,4-Trichlorobenzene	6.064	180	304754	53.39	ppb	95
37) 1,2,3-Trichlorobenzene	6.299	180	284323	48.23	ppb	96
38) Naphthalene	6.144	128	1096149	54.89	ppb	96
39) 4-Chloroaniline	6.192	127	487168	55.82	ppb	97
40) 2,3-Dichloroaniline	7.246	161	362416	47.10	ppb	95
41) Caprolactam	6.577	55	187825	43.60	ppb	99
42) Hexachlorobutadiene	6.278	225	135116	52.43	ppb	97
43) 4-Chloro-3-methylphenol	6.716	107	321322	50.49	ppb	94
44) 2-Methylnaphthalene	6.909	141	662003	52.96	ppb	96
45) 1-Methylnaphthalene	7.027	141	655440	47.22	ppb	96
46) Dimethylnaphthalene	7.690	156	652494	47.02	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	309484	98.10	ppb	97
49) 2,4,6-Trichlorophenol	7.251	196	178280	52.07	ppb	98
50) 2,4,5-Trichlorophenol	7.294	196	181238	51.75	ppb	99
52) 2-Chloronaphthalene	7.508	162	611652	55.79	ppb	95
53) Biphenyl	7.487	154	870830	48.52	ppb	97
54) 2-Nitroaniline	7.642	65	215161	50.29	ppb	96
55) Dimethylphthalate	7.893	163	639638	51.46	ppb	99
56) Acenaphthylene	8.059	152	1035440	53.85	ppb	97
57) 2,6-Dinitrotoluene	7.968	165	155261	51.77	ppb	99
58) 3-Nitroaniline	8.198	138	205695	51.35	ppb	99
59) Acenaphthene	8.305	153	648826	52.80	ppb	96
60) 2,4-Dinitrophenol	8.342	184	140825	89.96	ppb	98
61) 4-Nitrophenol	8.444	109	95448	48.01	ppb	97
62) Dibenzofuran	8.551	168	849700	53.63	ppb	97
63) 2,4-Dinitrotoluene	8.535	165	210537	51.03	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.733	232	138138	51.84	ppb	93
65) Diethylphthalate	8.909	149	665624	51.78	ppb	98
66) Fluorene	9.043	166	724636	52.03	ppb	96
67) 4-Chlorophenyl-phenyle...	9.054	204	275760	50.81	ppb	96
68) 4-Nitroaniline	9.081	138	209539	54.67	ppb	98
70) 4,6-Dinitro-2-methylph...	9.129	198	92463	47.97	ppb	95
71) n-Nitrosodiphenylamine	9.236	169	469464	51.75	ppb	99
72) 1,2-Diphenylhydrazine	9.295	77	783684	54.45	ppb	98
74) 4-Bromophenyl-phenylether	9.792	248	148855	52.94	ppb	91
75) Hexachlorobenzene	9.878	284	150357	55.51	ppb	97
76) Pentachlorophenol	10.182	266	202591	96.73	ppb	97
77) Phenanthrene	10.498	178	914811	54.30	ppb	97
78) Anthracene	10.573	178	924789	55.52	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration

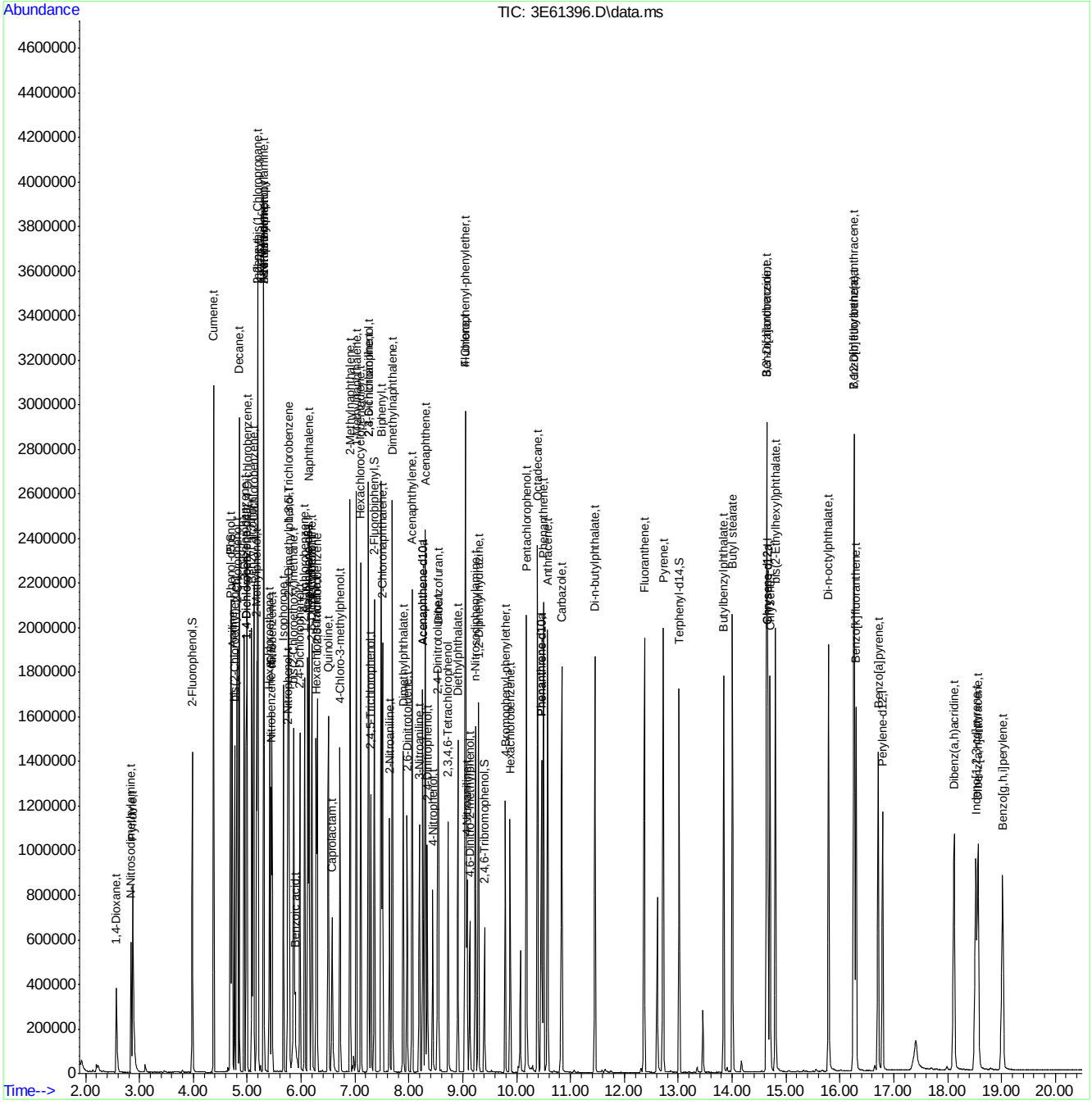
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.835	167	939944	47.26	ppb	97
80) Di-n-butylphthalate	11.455	149	1117176	52.09	ppb	97
81) Fluoranthene	12.370	202	976153	51.64	ppb	97
82) Octadecane	10.386	57	537203	50.49	ppb	94
84) Pyrene	12.723	202	1004077	49.91	ppb	98
86) Butylbenzylphthalate	13.841	149	500518	45.74	ppb	97
87) Butyl stearate	14.001	56	373465	51.85	ppb	92
88) Benzo[a]anthracene	14.643	228	873995	48.48	ppb	98
89) 3,3'-Dichlorobenzidine	14.643	252	325062	46.42	ppb	96
90) Chrysene	14.702	228	724612	54.09	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.804	149	646360	49.01	ppb	96
93) Di-n-octylphthalate	15.788	149	1133768	45.04	ppb	97
94) Benzo[b]fluoranthene	16.258	252	853099	46.27	ppb	95
95) Benzo[k]fluoranthene	16.307	252	743389	59.26	ppb	94
96) Benzo[a]pyrene	16.713	252	707469	50.32	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.526	276	743417	42.32	ppb	85
98) Dibenz(a,h)acridine	18.120	279	646464	41.86	ppb	72
99) Dibenz[a,h]anthracene	18.569	278	684233	51.54	ppb	94
100) 7,12-Dimethylbenz(a)an...	16.264	256	414098	39.79	ppb	93
101) Benzo[g,h,i]perylene	19.024	276	688254	49.46	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61396.D
Acq On : 4 Jun 2014 6:41 pm
Operator : olgaa
Sample : icc2646-50
Misc : op74977,e3e2646,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:39:10 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:38:28 2014
QLast Update : Thu Jun 05 09:38:28 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	237933	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	896366	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	476066	40.00	ppb		0.00
69) Phenanthrene-d10	10.455	188	705835	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	628622	40.00	ppb		0.00
92) Perylene-d12	16.793	264	537290	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	237933	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	476066	40.00	ppb		0.00
106) Phenanthrene-d10a	10.455	188	705835	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	628622	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	896366	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	214762	25.90	ppb		0.00
Spiked Amount 50.000			Recovery = 51.80%				
8) Phenol-d5	4.684	99	266573	26.52	ppb		0.00
Spiked Amount 50.000			Recovery = 53.04%				
25) Nitrobenzene-d5	5.438	82	203434	25.46	ppb		0.00
Spiked Amount 50.000			Recovery = 50.92%				
51) 2-Fluorobiphenyl	7.353	172	379570	27.21	ppb		0.00
Spiked Amount 50.000			Recovery = 54.42%				
73) 2,4,6-Tribromophenol	9.396	330	35251	27.52	ppb		0.00
Spiked Amount 50.000			Recovery = 55.04%				
85) Terphenyl-d14	13.012	244	350134	25.44	ppb		0.00
Spiked Amount 50.000			Recovery = 50.88%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.571	88	99876	23.95	ppb		97
3) Pyridine	2.876	79	256442	24.36	ppb		99
4) N-Nitrosodimethylamine	2.844	74	151616	25.75	ppb		100
6) Indene	5.192	116	388493	27.45	ppb		98
7) Cumene	4.374	105	545783	27.28	ppb		97
9) Phenol	4.695	94	291221	25.08	ppb		87
10) Aniline	4.721	93	331557	30.59	ppb		99
11) bis(2-Chloroethyl)ether	4.764	93	208146	26.53	ppb		99
12) 2-Chlorophenol	4.818	128	230634	26.16	ppb		98
13) Decane	4.850	43	241142	29.03	ppb		99
14) 1,3-Dichlorobenzene	4.935	146	246162	27.19	ppb		99
15) 1,4-Dichlorobenzene	4.994	146	245679	27.57	ppb		97
16) Benzyl alcohol	5.085	108	152198	26.32	ppb		95
17) 1,2-Dichlorobenzene	5.123	146	226742	27.86	ppb		99
18) Acetophenone	5.304	105	305338	27.49	ppb		98
19) 2-Methylphenol	5.171	108	198280	26.77	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.192	121	77944	27.34	ppb	#	85
21) 3&4-Methylphenol	5.294	108	216896	27.85	ppb		98
22) n-Nitroso-di-n-propyla...	5.304	70	149503	29.55	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	67709	27.72	ppb	95
26) Nitrobenzene	5.454	77	227019	26.21	ppb	98
27) Quinoline	6.497	129	415278	24.11	ppb	99
28) Isophorone	5.668	82	394156	26.62	ppb	96
29) 2-Nitrophenol	5.748	139	112108	23.95	ppb	95
30) 2,4-Dimethylphenol	5.770	107	183803	24.23	ppb	100
31) Benzoic acid	5.861	105	126576	20.77	ppb	98
32) bis(2-Chloroethoxy)met...	5.861	93	227348	25.75	ppb	98
33) 2,4-Dichlorophenol	5.973	162	159762	25.71	ppb	99
34) 2,6-Dichlorophenol	6.203	162	152280	25.80	ppb	99
35) 1,3,5-Trichlorobenzene	5.759	180	184709	24.67	ppb	98
36) 1,2,4-Trichlorobenzene	6.064	180	170722	27.33	ppb	97
37) 1,2,3-Trichlorobenzene	6.294	180	163564	26.24	ppb	99
38) Naphthalene	6.144	128	608436	27.57	ppb	99
39) 4-Chloroaniline	6.187	127	269683	27.80	ppb	99
40) 2,3-Dichloroaniline	7.246	161	200185	24.79	ppb	98
41) Caprolactam	6.556	55	99027	22.44	ppb	98
42) Hexachlorobutadiene	6.278	225	77535	27.67	ppb	99
43) 4-Chloro-3-methylphenol	6.711	107	171438	25.09	ppb	97
44) 2-Methylnaphthalene	6.904	141	362072	26.54	ppb	100
45) 1-Methylnaphthalene	7.021	141	360177	24.71	ppb	99
46) Dimethylnaphthalene	7.690	156	362465	24.91	ppb	98
48) Hexachlorocyclopentadiene	7.107	237	170391	49.20	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	99397	25.92	ppb	100
50) 2,4,5-Trichlorophenol	7.294	196	104085	26.59	ppb	97
52) 2-Chloronaphthalene	7.508	162	348792	27.73	ppb	97
53) Biphenyl	7.481	154	484812	24.69	ppb	100
54) 2-Nitroaniline	7.636	65	112929	23.84	ppb	96
55) Dimethylphthalate	7.888	163	360828	26.02	ppb	99
56) Acenaphthylene	8.059	152	571006	26.21	ppb	98
57) 2,6-Dinitrotoluene	7.963	165	80864	24.12	ppb	100
58) 3-Nitroaniline	8.193	138	109721	24.57	ppb	96
59) Acenaphthene	8.300	153	360842	26.09	ppb	97
60) 2,4-Dinitrophenol	8.337	184	65524	39.20	ppb	87
61) 4-Nitrophenol	8.433	109	49885	23.02	ppb	97
62) Dibenzofuran	8.546	168	469782	26.20	ppb	99
63) 2,4-Dinitrotoluene	8.530	165	112277	24.46	ppb	94
64) 2,3,4,6-Tetrachlorophenol	8.728	232	75802	25.44	ppb	97
65) Diethylphthalate	8.904	149	367443	25.57	ppb	99
66) Fluorene	9.043	166	400333	25.67	ppb	98
67) 4-Chlorophenyl-phenyle...	9.054	204	160159	26.57	ppb	94
68) 4-Nitroaniline	9.070	138	114904	26.32	ppb	99
70) 4,6-Dinitro-2-methylph...	9.123	198	45830	21.61	ppb	95
71) n-Nitrosodiphenylamine	9.230	169	260275	25.42	ppb	98
72) 1,2-Diphenylhydrazine	9.289	77	430294	26.03	ppb	99
74) 4-Bromophenyl-phenylether	9.787	248	84891	26.54	ppb	99
75) Hexachlorobenzene	9.878	284	88354	28.20	ppb	92
76) Pentachlorophenol	10.177	266	112188	48.55	ppb	99
77) Phenanthrene	10.493	178	513729	26.57	ppb	99
78) Anthracene	10.573	178	523721	27.18	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration

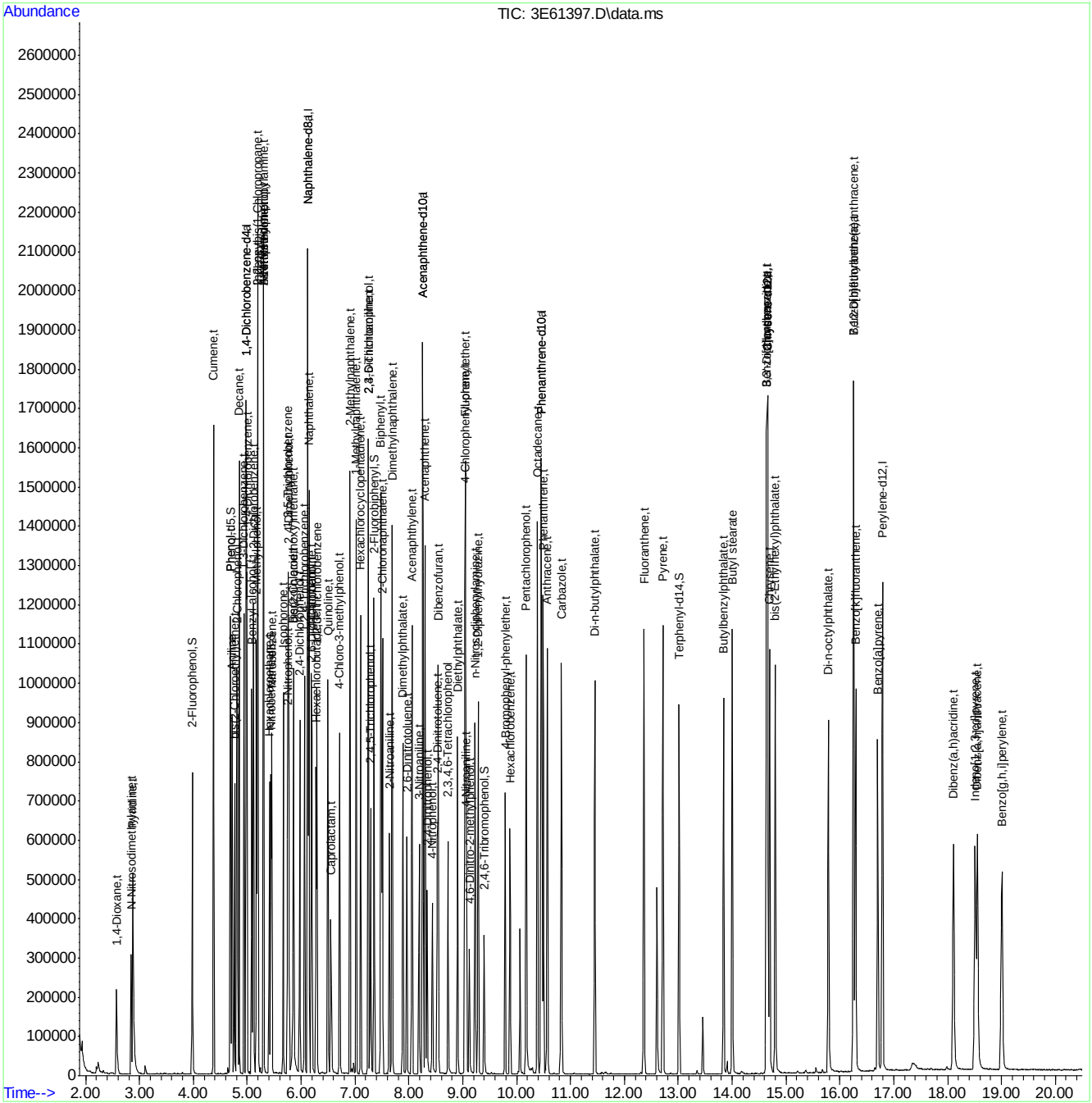
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
79) Carbazole	10.830	167	525173	24.11 ppb	99
80) Di-n-butylphthalate	11.450	149	606621	25.01 ppb	99
81) Fluoranthene	12.365	202	536008	25.14 ppb	99
82) Octadecane	10.386	57	290621	24.41 ppb	100
84) Pyrene	12.718	202	560264	24.56 ppb	99
86) Butylbenzylphthalate	13.841	149	264450	21.92 ppb	96
87) Butyl stearate	14.001	56	194776	23.54 ppb	97
88) Benzo[a]anthracene	14.643	228	495057	24.45 ppb	99
89) 3,3'-Dichlorobenzidine	14.638	252	175462	22.62 ppb	98
90) Chrysene	14.697	228	419549	26.87 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	343415	23.10 ppb	100
93) Di-n-octylphthalate	15.788	149	582327	21.18 ppb	99
94) Benzo[b]fluoranthene	16.253	252	486963	23.98 ppb	97
95) Benzo[k]fluoranthene	16.296	252	436440	29.00 ppb	99
96) Benzo[a]pyrene	16.702	252	401898	25.25 ppb	100
97) Indeno[1,2,3-cd]pyrene	18.510	276	406893	21.61 ppb	98
98) Dibenz(a,h)acridine	18.114	279	354073	21.46 ppb	98
99) Dibenz[a,h]anthracene	18.553	278	392300	25.89 ppb	99
100) 7,12-Dimethylbenz(a)an...	16.258	256	213734	19.51 ppb	98
101) Benzo[g,h,i]perylene	19.008	276	390385	24.92 ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61397.D
Acq On : 4 Jun 2014 7:09 pm
Operator : olgaa
Sample : ic2646-25
Misc : op74977,e3e2646,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:39:43 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 09:39:20 2014
QLast Update : Thu Jun 05 09:39:20 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	347404	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287319	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	698038	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	1044857	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	950511	40.00	ppb	0.00
92) Perylene-d12	16.794	264	781278	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	347404	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	698038	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	1044857	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	950511	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287319	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.978	112	116635	9.93	ppb	0.00
Spiked Amount 50.000			Recovery = 19.86%			
8) Phenol-d5	4.679	99	146361	10.06	ppb	0.00
Spiked Amount 50.000			Recovery = 20.12%			
25) Nitrobenzene-d5	5.438	82	113169	10.15	ppb	0.00
Spiked Amount 50.000			Recovery = 20.30%			
51) 2-Fluorobiphenyl	7.353	172	215199	10.05	ppb	0.00
Spiked Amount 50.000			Recovery = 20.10%			
73) 2,4,6-Tribromophenol	9.396	330	19438	10.63	ppb	0.00
Spiked Amount 50.000			Recovery = 21.26%			
85) Terphenyl-d14	13.012	244	199326	9.92	ppb	0.00
Spiked Amount 50.000			Recovery = 19.84%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.571	88	63002	10.06	ppb	100
3) Pyridine	2.876	79	154968	10.07	ppb	95
4) N-Nitrosodimethylamine	2.844	74	85536	10.00	ppb	100
6) Indene	5.192	116	250383	10.84	ppb	98
7) Cumene	4.374	105	347713	10.69	ppb	97
9) Phenol	4.690	94	165840	9.89	ppb	90
10) Aniline	4.716	93	178377	10.00	ppb	99
11) bis(2-Chloroethyl)ether	4.759	93	118527	10.05	ppb	98
12) 2-Chlorophenol	4.813	128	130295	10.01	ppb	97
13) Decane	4.850	43	155205	11.01	ppb	98
14) 1,3-Dichlorobenzene	4.936	146	139661	10.04	ppb	100
15) 1,4-Dichlorobenzene	4.994	146	138406	10.01	ppb	96
16) Benzyl alcohol	5.080	108	83396	9.98	ppb	99
17) 1,2-Dichlorobenzene	5.123	146	129983	10.15	ppb	97
18) Acetophenone	5.305	105	197114	10.80	ppb	100
19) 2-Methylphenol	5.171	108	114515	10.32	ppb	100
20) 2,2'-oxybis(1-Chloropr...	5.192	121	44621	10.18	ppb	89
21) 3&4-Methylphenol	5.294	108	123301	10.48	ppb	97
22) n-Nitroso-di-n-propyla...	5.299	70	84616	10.44	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	38588	10.20	ppb	90
26) Nitrobenzene	5.454	77	126639	10.12	ppb	98
27) Quinoline	6.492	129	269234	10.51	ppb	99
28) Isophorone	5.663	82	219718	10.25	ppb	99
29) 2-Nitrophenol	5.743	139	60912	10.11	ppb	99
30) 2,4-Dimethylphenol	5.770	107	94360	9.96	ppb	98
31) Benzoic acid	5.845	105	62087	10.22	ppb	98
32) bis(2-Chloroethoxy)met...	5.861	93	128430	9.99	ppb	99
33) 2,4-Dichlorophenol	5.973	162	90638	10.22	ppb	99
34) 2,6-Dichlorophenol	6.198	162	87525	10.17	ppb	97
35) 1,3,5-Trichlorobenzene	5.759	180	120159	10.37	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	98845	10.17	ppb	98
37) 1,2,3-Trichlorobenzene	6.294	180	107603	10.56	ppb	99
38) Naphthalene	6.144	128	353611	10.16	ppb	98
39) 4-Chloroaniline	6.187	127	148867	10.24	ppb	98
40) 2,3-Dichloroaniline	7.241	161	127014	10.50	ppb	98
41) Caprolactam	6.540	55	60687	10.42	ppb	98
42) Hexachlorobutadiene	6.278	225	45051	10.16	ppb	100
43) 4-Chloro-3-methylphenol	6.711	107	95367	10.14	ppb	94
44) 2-Methylnaphthalene	6.904	141	202782	10.02	ppb	98
45) 1-Methylnaphthalene	7.022	141	229500	10.37	ppb	99
46) Dimethylnaphthalene	7.685	156	233326	10.57	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	97950	20.54	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	57574	10.48	ppb	98
50) 2,4,5-Trichlorophenol	7.289	196	59877	10.40	ppb	98
52) 2-Chloronaphthalene	7.503	162	200752	10.16	ppb	97
53) Biphenyl	7.482	154	315130	10.48	ppb	99
54) 2-Nitroaniline	7.631	65	59837	9.60	ppb	96
55) Dimethylphthalate	7.888	163	209124	9.99	ppb	100
56) Acenaphthylene	8.054	152	328037	10.22	ppb	98
57) 2,6-Dinitrotoluene	7.958	165	43661	9.41	ppb	99
58) 3-Nitroaniline	8.188	138	59623	10.41	ppb	98
59) Acenaphthene	8.300	153	204887	9.97	ppb	98
60) 2,4-Dinitrophenol	8.332	184	29726	22.75	ppb	88
61) 4-Nitrophenol	8.428	109	26646	9.08	ppb	99
62) Dibenzofuran	8.541	168	271506	9.91	ppb	100
63) 2,4-Dinitrotoluene	8.525	165	59085	9.39	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.722	232	43071	10.57	ppb	95
65) Diethylphthalate	8.899	149	211194	10.20	ppb	98
66) Fluorene	9.038	166	228256	10.08	ppb	99
67) 4-Chlorophenyl-phenyle...	9.054	204	95304	10.22	ppb	91
68) 4-Nitroaniline	9.065	138	62286	10.62	ppb	98
70) 4,6-Dinitro-2-methylph...	9.118	198	21953	7.66	ppb	95
71) n-Nitrosodiphenylamine	9.225	169	151813	10.25	ppb	96
72) 1,2-Diphenylhydrazine	9.284	77	240199	10.21	ppb	96
74) 4-Bromophenyl-phenylether	9.787	248	50328	10.35	ppb	97
75) Hexachlorobenzene	9.872	284	51621	10.11	ppb	93
76) Pentachlorophenol	10.177	266	62726	20.17	ppb	99
77) Phenanthrene	10.493	178	296391	10.06	ppb	98
78) Anthracene	10.568	178	296699	10.30	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration

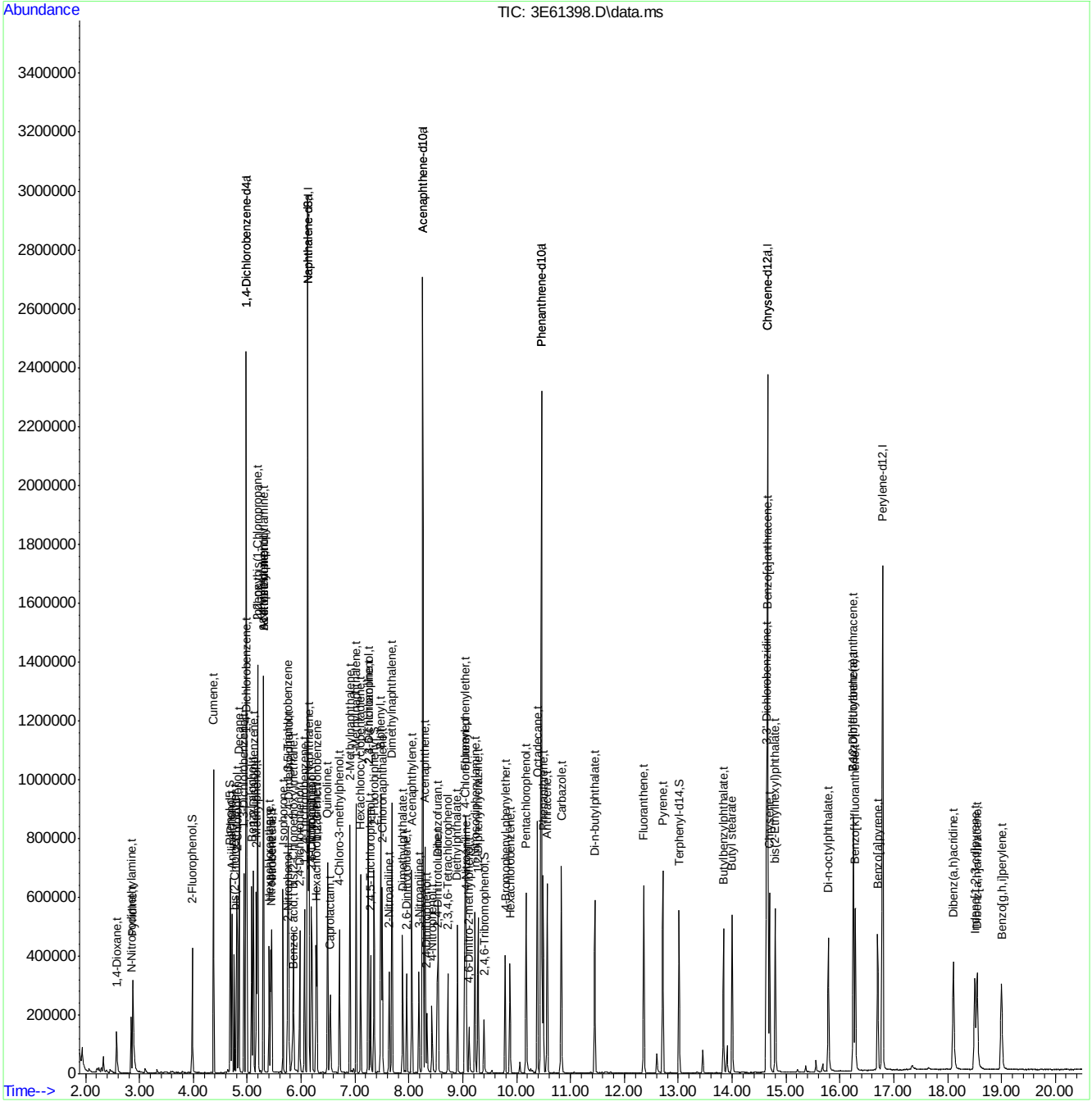
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	338608	10.59	ppb	99
80) Di-n-butylphthalate	11.450	149	339861	10.33	ppb	98
81) Fluoranthene	12.360	202	302992	10.12	ppb	98
82) Octadecane	10.386	57	180331	10.83	ppb	99
84) Pyrene	12.713	202	321157	9.89	ppb	99
86) Butylbenzylphthalate	13.841	149	142073	9.78	ppb	96
87) Butyl stearate	13.996	56	96742	9.17	ppb	98
88) Benzo[a]anthracene	14.643	228	284506	9.68	ppb	99
89) 3,3'-Dichlorobenzidine	14.633	252	97610	9.46	ppb	100
90) Chrysene	14.697	228	241961	10.02	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	185625	9.52	ppb	99
93) Di-n-octylphthalate	15.788	149	306433	10.03	ppb	99
94) Benzo[b]fluoranthene	16.248	252	268355	10.17	ppb	95
95) Benzo[k]fluoranthene	16.291	252	261384	11.01	ppb	97
96) Benzo[a]pyrene	16.703	252	224798	10.36	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.505	276	222068	10.01	ppb	93
98) Dibenz(a,h)acridine	18.109	279	225269	10.54	ppb	97
99) Dibenz[a,h]anthracene	18.548	278	221984	10.40	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.253	256	78383	9.55	ppb	95
101) Benzo[g,h,i]perylene	19.003	276	221935	10.34	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61398.D
Acq On : 4 Jun 2014 7:37 pm
Operator : olgaa
Sample : ic2646-10
Misc : op74977,e3e2646,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 10:07:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:06:31 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	391999	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	1444960	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	789633	40.00	ppb		0.00
69) Phenanthrene-d10	10.461	188	1194683	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	1069339	40.00	ppb		0.00
92) Perylene-d12	16.793	264	899595	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	391999	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	789633	40.00	ppb		0.00
106) Phenanthrene-d10a	10.461	188	1194683	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	1069339	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	1444960	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	66174	5.00	ppb		0.00
Spiked Amount 50.000			Recovery =	10.00%			
8) Phenol-d5	4.679	99	83454	5.09	ppb		0.00
Spiked Amount 50.000			Recovery =	10.18%			
25) Nitrobenzene-d5	5.438	82	64614	5.16	ppb		0.00
Spiked Amount 50.000			Recovery =	10.32%			
51) 2-Fluorobiphenyl	7.353	172	126705	5.23	ppb		0.00
Spiked Amount 50.000			Recovery =	10.46%			
73) 2,4,6-Tribromophenol	9.396	330	11147	5.33	ppb		0.00
Spiked Amount 50.000			Recovery =	10.66%			
85) Terphenyl-d14	13.012	244	115027	5.09	ppb		0.00
Spiked Amount 50.000			Recovery =	10.18%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.571	88	36945	5.23	ppb		98
3) Pyridine	2.882	79	89684	5.16	ppb		98
4) N-Nitrosodimethylamine	2.844	74	49196	5.10	ppb		97
6) Indene	5.192	116	144829	5.56	ppb		96
7) Cumene	4.374	105	201829	5.50	ppb		96
9) Phenol	4.689	94	94834	5.01	ppb		88
10) Aniline	4.716	93	109364	5.43	ppb		99
11) bis(2-Chloroethyl)ether	4.759	93	68770	5.17	ppb		97
12) 2-Chlorophenol	4.812	128	75564	5.15	ppb		97
13) Decane	4.850	43	90297	5.68	ppb		98
14) 1,3-Dichlorobenzene	4.935	146	81386	5.19	ppb		100
15) 1,4-Dichlorobenzene	4.994	146	80734	5.18	ppb		97
16) Benzyl alcohol	5.080	108	48239	5.12	ppb		98
17) 1,2-Dichlorobenzene	5.123	146	74946	5.19	ppb		99
18) Acetophenone	5.304	105	115221	5.59	ppb		99
19) 2-Methylphenol	5.171	108	66941	5.34	ppb		96
20) 2,2'-oxybis(1-Chloropr...	5.192	121	25956	5.25	ppb	#	76
21) 3&4-Methylphenol	5.294	108	69460	5.23	ppb		99
22) n-Nitroso-di-n-propyla...	5.299	70	49244	5.39	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	22330	5.23	ppb	90
26) Nitrobenzene	5.454	77	72110	5.13	ppb	99
27) Quinoline	6.492	129	156324	5.44	ppb	99
28) Isophorone	5.663	82	124971	5.19	ppb	99
29) 2-Nitrophenol	5.743	139	33020	4.88	ppb	97
30) 2,4-Dimethylphenol	5.770	107	50364	4.74	ppb	99
31) Benzoic acid	5.829	105	27913	6.18	ppb	92
32) bis(2-Chloroethoxy)met...	5.861	93	74562	5.17	ppb	100
33) 2,4-Dichlorophenol	5.973	162	51864	5.21	ppb	98
34) 2,6-Dichlorophenol	6.198	162	50639	5.24	ppb	99
35) 1,3,5-Trichlorobenzene	5.759	180	71659	5.51	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	58726	5.38	ppb	96
37) 1,2,3-Trichlorobenzene	6.294	180	64373	5.63	ppb	98
38) Naphthalene	6.144	128	206891	5.30	ppb	98
39) 4-Chloroaniline	6.187	127	85662	5.25	ppb	99
40) 2,3-Dichloroaniline	7.241	161	73575	5.42	ppb	99
41) Caprolactam	6.529	55	33538	5.13	ppb	96
42) Hexachlorobutadiene	6.278	225	26593	5.34	ppb	98
43) 4-Chloro-3-methylphenol	6.706	107	53899	5.11	ppb	98
44) 2-Methylnaphthalene	6.904	141	117917	5.19	ppb	100
45) 1-Methylnaphthalene	7.021	141	133883	5.39	ppb	99
46) Dimethylnaphthalene	7.685	156	134786	5.44	ppb	100
48) Hexachlorocyclopentadiene	7.102	237	55852	10.35	ppb	99
49) 2,4,6-Trichlorophenol	7.246	196	32420	5.21	ppb	93
50) 2,4,5-Trichlorophenol	7.289	196	34320	5.27	ppb	98
52) 2-Chloronaphthalene	7.503	162	118833	5.32	ppb	96
53) Biphenyl	7.481	154	181706	5.34	ppb	99
54) 2-Nitroaniline	7.631	65	31747	4.50	ppb	93
55) Dimethylphthalate	7.882	163	121312	5.12	ppb	100
56) Acenaphthylene	8.054	152	189240	5.21	ppb	97
57) 2,6-Dinitrotoluene	7.957	165	23206	4.68	ppb	100
58) 3-Nitroaniline	8.187	138	31543	4.87	ppb	96
59) Acenaphthene	8.300	153	117846	5.07	ppb	99
60) 2,4-Dinitrophenol	8.332	184	11931	15.60	ppb	77
61) 4-Nitrophenol	8.428	109	14096	4.24	ppb	96
62) Dibenzofuran	8.540	168	159450	5.14	ppb	99
63) 2,4-Dinitrotoluene	8.524	165	31254	4.71	ppb	91
64) 2,3,4,6-Tetrachlorophenol	8.722	232	23904	5.19	ppb	96
65) Diethylphthalate	8.899	149	119130	5.09	ppb	99
66) Fluorene	9.038	166	129502	5.06	ppb	99
67) 4-Chlorophenyl-phenyle...	9.054	204	56716	5.38	ppb	89
68) 4-Nitroaniline	9.059	138	33454	5.04	ppb	98
70) 4,6-Dinitro-2-methylph...	9.118	198	10133	3.09	ppb	91
71) n-Nitrosodiphenylamine	9.225	169	85946	5.07	ppb	97
72) 1,2-Diphenylhydrazine	9.284	77	135291	5.03	ppb	97
74) 4-Bromophenyl-phenylether	9.787	248	28593	5.14	ppb	97
75) Hexachlorobenzene	9.872	284	31898	5.46	ppb	88
76) Pentachlorophenol	10.177	266	33236	9.35	ppb	100
77) Phenanthrene	10.493	178	172532	5.12	ppb	98
78) Anthracene	10.567	178	170642	5.18	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration

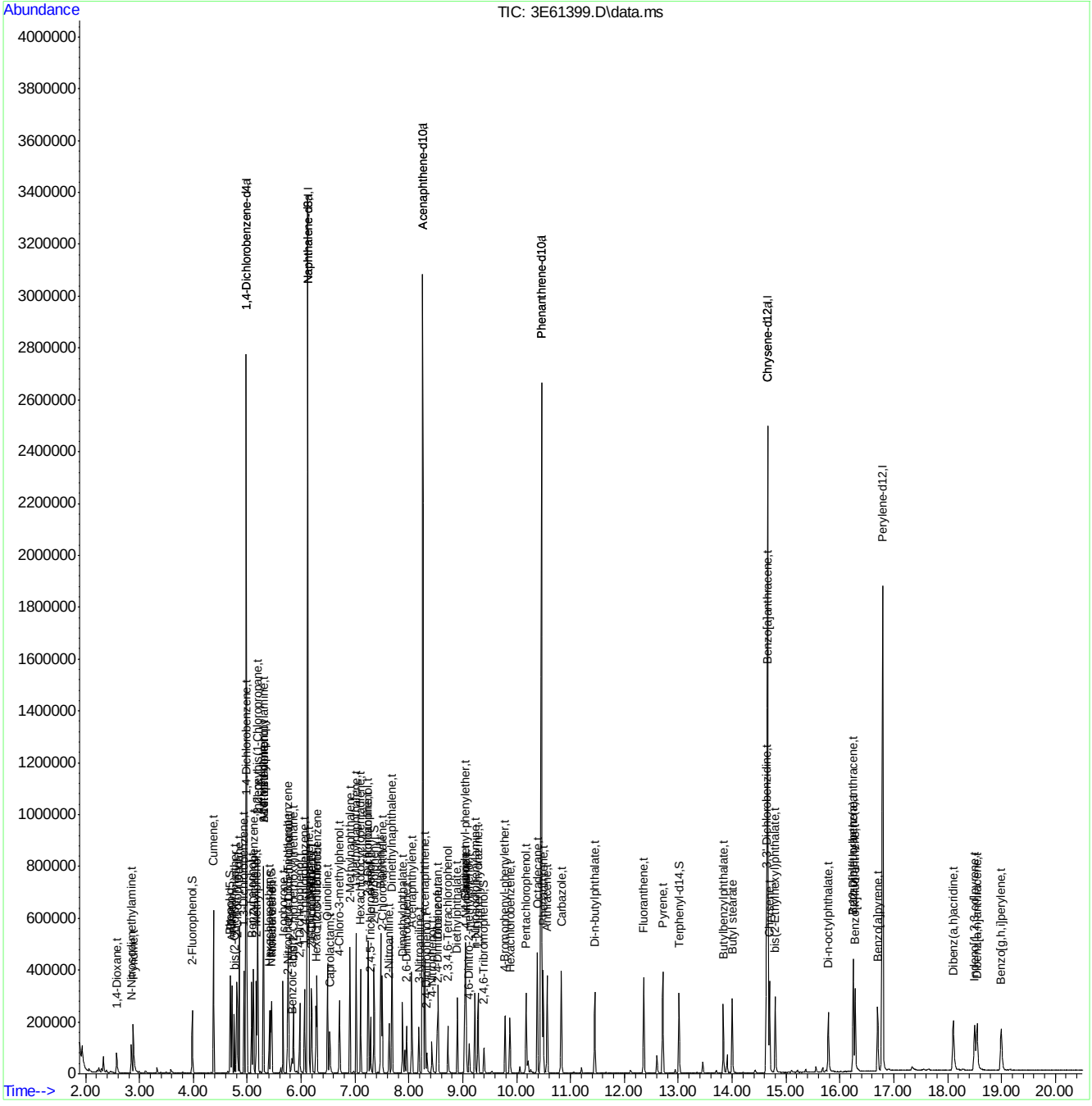
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	193494	5.29	ppb	97
80) Di-n-butylphthalate	11.450	149	185974	4.94	ppb	99
81) Fluoranthene	12.359	202	170973	5.00	ppb	98
82) Octadecane	10.386	57	99420	5.22	ppb	99
84) Pyrene	12.712	202	182864	5.01	ppb	99
86) Butylbenzylphthalate	13.836	149	74606	5.79	ppb	99
87) Butyl stearate	14.001	56	49854	4.20	ppb	95
88) Benzo[a]anthracene	14.643	228	161810	4.89	ppb	99
89) 3,3'-Dichlorobenzidine	14.632	252	51610	4.45	ppb	98
90) Chrysene	14.697	228	139536	5.13	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	96827	4.41	ppb	100
93) Di-n-octylphthalate	15.782	149	154414	5.92	ppb	98
94) Benzo[b]fluoranthene	16.248	252	150406	4.95	ppb	93
95) Benzo[k]fluoranthene	16.285	252	148745	5.44	ppb	98
96) Benzo[a]pyrene	16.702	252	124999	5.00	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.500	276	118554	4.64	ppb	98
98) Dibenz(a,h)acridine	18.109	279	122446	4.97	ppb	96
99) Dibenz[a,h]anthracene	18.548	278	125296	5.10	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.248	256	30539	6.62	ppb	98
101) Benzo[g,h,i]perylene	18.997	276	122344	4.95	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61399.D
Acq On : 4 Jun 2014 8:05 pm
Operator : olgaa
Sample : ic2646-5
Misc : op74977,e3e2646,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 10:06:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:05:24 2014
QLast Update : Thu Jun 05 10:05:24 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	361091	40.00	ppb		0.00
24) Naphthalene-d8	6.123	136	1343600	40.00	ppb		0.00
47) Acenaphthene-d10	8.257	164	746225	40.00	ppb		0.00
69) Phenanthrene-d10	10.455	188	1133882	40.00	ppb		0.00
83) Chrysene-d12	14.659	240	1016776	40.00	ppb		0.00
92) Perylene-d12	16.793	264	866717	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	361091	40.00	ppb		0.00
104) Acenaphthene-d10a	8.257	164	746225	40.00	ppb		0.00
106) Phenanthrene-d10a	10.455	188	1133882	40.00	ppb		0.00
110) Chrysene-d12a	14.659	240	1016776	40.00	ppb		0.00
112) Naphthalene-d8a	6.123	136	1343600	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.978	112	22961	1.88	ppb		0.00
Spiked Amount 50.000			Recovery =	3.76%			
8) Phenol-d5	4.679	99	28923	1.91	ppb		0.00
Spiked Amount 50.000			Recovery =	3.82%			
25) Nitrobenzene-d5	5.438	82	21416	1.84	ppb		0.00
Spiked Amount 50.000			Recovery =	3.68%			
51) 2-Fluorobiphenyl	7.353	172	47100	2.06	ppb		0.00
Spiked Amount 50.000			Recovery =	4.12%			
73) 2,4,6-Tribromophenol	9.396	330	3501	1.76	ppb		0.00
Spiked Amount 50.000			Recovery =	3.52%			
85) Terphenyl-d14	13.012	244	40429	1.88	ppb		0.00
Spiked Amount 50.000			Recovery =	3.76%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.577	88	13971	2.15	ppb		95
3) Pyridine	2.892	79	32000	2.00	ppb		98
4) N-Nitrosodimethylamine	2.849	74	17671	1.99	ppb		97
6) Indene	5.192	116	51329	2.14	ppb		96
7) Cumene	4.374	105	73039	2.16	ppb		95
9) Phenol	4.689	94	33429	1.92	ppb		86
10) Aniline	4.716	93	41418	2.23	ppb		100
11) bis(2-Chloroethyl)ether	4.764	93	24777	2.02	ppb		93
12) 2-Chlorophenol	4.812	128	25864	1.91	ppb		96
13) Decane	4.850	43	32469	2.22	ppb		97
14) 1,3-Dichlorobenzene	4.935	146	29597	2.05	ppb		98
15) 1,4-Dichlorobenzene	4.994	146	29531	2.06	ppb		99
16) Benzyl alcohol	5.080	108	16498	1.90	ppb		98
17) 1,2-Dichlorobenzene	5.117	146	27677	2.08	ppb		94
18) Acetophenone	5.305	105	41236	2.17	ppb		99
19) 2-Methylphenol	5.171	108	22037	1.91	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.192	121	9447	2.07	ppb	#	68
21) 3&4-Methylphenol	5.294	108	23120	1.89	ppb		100
22) n-Nitroso-di-n-propyla...	5.299	70	17586	2.09	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.411	201	8287	2.11	ppb	90
26) Nitrobenzene	5.454	77	24895	1.91	ppb	99
27) Quinoline	6.492	129	55187	2.06	ppb	97
28) Isophorone	5.663	82	43669	1.95	ppb	100
29) 2-Nitrophenol	5.743	139	10236	1.63	ppb	97
30) 2,4-Dimethylphenol	5.770	107	13271	1.34	ppb	93
31) Benzoic acid	5.813	105	6218	4.13	ppb	93
32) bis(2-Chloroethoxy)met...	5.861	93	26805	2.00	ppb	98
33) 2,4-Dichlorophenol	5.973	162	17603	1.90	ppb	97
34) 2,6-Dichlorophenol	6.198	162	17802	1.98	ppb	97
35) 1,3,5-Trichlorobenzene	5.759	180	26079	2.16	ppb	96
36) 1,2,4-Trichlorobenzene	6.064	180	21694	2.14	ppb	96
37) 1,2,3-Trichlorobenzene	6.294	180	23874	2.24	ppb	95
38) Naphthalene	6.144	128	77095	2.12	ppb	97
39) 4-Chloroaniline	6.187	127	30565	2.01	ppb	98
40) 2,3-Dichloroaniline	7.241	161	25973	2.06	ppb	98
41) Caprolactam	6.524	55	11044	1.82	ppb	93
42) Hexachlorobutadiene	6.278	225	9852	2.13	ppb	96
43) 4-Chloro-3-methylphenol	6.706	107	17574	1.79	ppb	94
44) 2-Methylnaphthalene	6.904	141	42422	2.01	ppb	98
45) 1-Methylnaphthalene	7.021	141	48843	2.12	ppb	98
46) Dimethylnaphthalene	7.685	156	48407	2.10	ppb	98
48) Hexachlorocyclopentadiene	7.102	237	18126	3.56	ppb	99
49) 2,4,6-Trichlorophenol	7.246	196	10664	1.81	ppb	99
50) 2,4,5-Trichlorophenol	7.284	196	11713	1.90	ppb	94
52) 2-Chloronaphthalene	7.503	162	44002	2.08	ppb	95
53) Biphenyl	7.481	154	67076	2.09	ppb	98
54) 2-Nitroaniline	7.631	65	9776	1.47	ppb	97
55) Dimethylphthalate	7.883	163	44420	1.98	ppb	100
56) Acenaphthylene	8.054	152	67391	1.96	ppb	97
57) 2,6-Dinitrotoluene	7.957	165	6765	1.78	ppb	91
58) 3-Nitroaniline	8.187	138	9855	1.61	ppb	98
59) Acenaphthene	8.300	153	43253	1.97	ppb	98
60) 2,4-Dinitrophenol	8.332	184	2321	12.47	ppb	89
61) 4-Nitrophenol	8.428	109	3550	1.13	ppb	93
62) Dibenzofuran	8.540	168	59633	2.04	ppb	98
63) 2,4-Dinitrotoluene	8.519	165	8515	1.79	ppb	90
64) 2,3,4,6-Tetrachlorophenol	8.722	232	7544	1.73	ppb	97
65) Diethylphthalate	8.899	149	41192	1.86	ppb	99
66) Fluorene	9.038	166	45707	1.89	ppb	97
67) 4-Chlorophenyl-phenyle...	9.049	204	20702	2.08	ppb	91
68) 4-Nitroaniline	9.059	138	10243	1.63	ppb	95
70) 4,6-Dinitro-2-methylph...	9.118	198	2094	0.67	ppb	90
71) n-Nitrosodiphenylamine	9.225	169	30278	1.88	ppb	96
72) 1,2-Diphenylhydrazine	9.284	77	47354	1.86	ppb	98
74) 4-Bromophenyl-phenylether	9.787	248	10363	1.96	ppb	92
75) Hexachlorobenzene	9.872	284	11814	2.13	ppb	87
76) Pentachlorophenol	10.177	266	9280	2.75	ppb	96
77) Phenanthrene	10.487	178	64009	2.00	ppb	98
78) Anthracene	10.568	178	60184	1.93	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.830	167	67427	1.94	ppb	98
80) Di-n-butylphthalate	11.450	149	58613	1.64	ppb	98
81) Fluoranthene	12.359	202	58059	1.79	ppb	96
82) Octadecane	10.380	57	31849	1.76	ppb	98
84) Pyrene	12.712	202	63105	1.82	ppb	98
86) Butylbenzylphthalate	13.836	149	21289	2.77	ppb	95
87) Butyl stearate	14.001	56	12838	1.14	ppb	94
88) Benzo[a]anthracene	14.638	228	58643	1.87	ppb	97
89) 3,3'-Dichlorobenzidine	14.633	252	15999	1.45	ppb	96
90) Chrysene	14.691	228	51931	2.01	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.798	149	26884	1.29	ppb	97
93) Di-n-octylphthalate	15.782	149	39274	2.76	ppb	98
94) Benzo[b]fluoranthene	16.248	252	48075	1.64	ppb	90
95) Benzo[k]fluoranthene	16.285	252	53558	2.03	ppb	96
96) Benzo[a]pyrene	16.697	252	42387	1.76	ppb	94
97) Indeno[1,2,3-cd]pyrene	18.500	276	39278	1.60	ppb	91
98) Dibenz(a,h)acridine	18.104	279	40003	1.69	ppb	97
99) Dibenz[a,h]anthracene	18.542	278	42085	1.78	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.248	256	6547	3.39	ppb	98
101) Benzo[g,h,i]perylene	18.992	276	41263	1.73	ppb	92

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

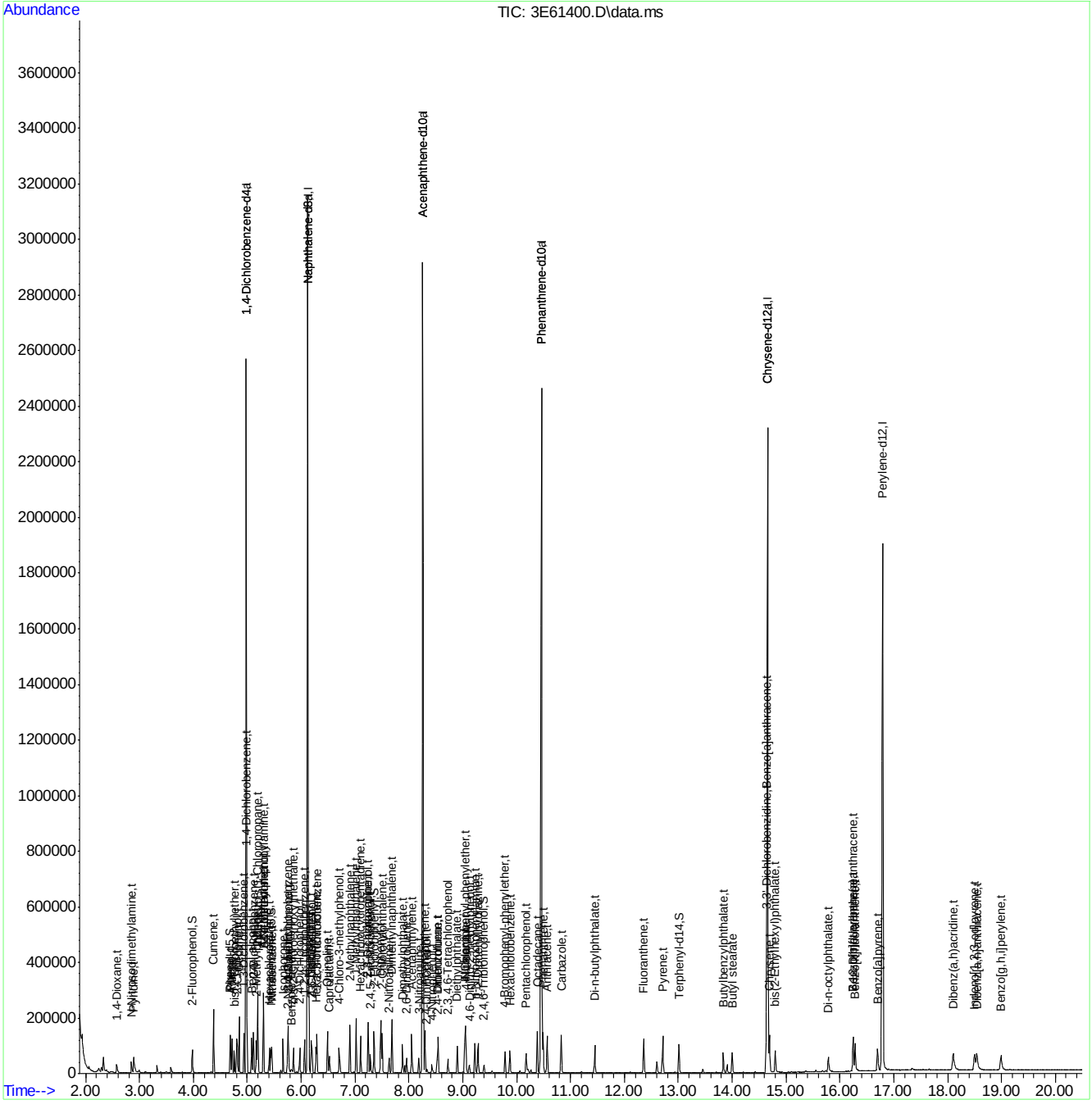
9.6.7

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61400.D
Acq On : 4 Jun 2014 8:33 pm
Operator : olgaa
Sample : ic2646-2
Misc : op74977,e3e2646,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:42:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:41:57 2014
QLast Update : Thu Jun 05 10:42:31 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/09/14 23:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	418120	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1540054	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	876530	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	1337410	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1191289	40.00	ppb	0.00
92) Perylene-d12	16.793	264	1028750	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	418120	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	876530	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	1337410	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1191289	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1540054	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.978	112	12787	0.90	ppb	0.00
Spiked Amount 50.000			Recovery =	1.80%		
8) Phenol-d5	4.679	99	16152	0.92	ppb	0.00
Spiked Amount 50.000			Recovery =	1.84%		
25) Nitrobenzene-d5	5.438	82	12001	0.90	ppb	0.00
Spiked Amount 50.000			Recovery =	1.80%		
51) 2-Fluorobiphenyl	7.353	172	27325	1.02	ppb	0.00
Spiked Amount 50.000			Recovery =	2.04%		
73) 2,4,6-Tribromophenol	9.396	330	1727	0.74	ppb	0.00
Spiked Amount 50.000			Recovery =	1.48%		
85) Terphenyl-d14	13.012	244	22458	0.89	ppb	0.00
Spiked Amount 50.000			Recovery =	1.78%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.577	88	7749	1.03	ppb	93
3) Pyridine	2.892	79	18336	0.99	ppb	100
4) N-Nitrosodimethylamine	2.850	74	9664	0.94	ppb	100
6) Indene	5.192	116	29697	1.07	ppb	95
7) Cumene	4.374	105	42229	1.08	ppb	95
9) Phenol	4.689	94	20165	1.00	ppb	90
10) Aniline	4.716	93	22608	1.05	ppb	98
11) bis(2-Chloroethyl)ether	4.759	93	14295	1.01	ppb	98
12) 2-Chlorophenol	4.813	128	15806	1.01	ppb	95
13) Decane	4.850	43	18237	1.07	ppb	97
14) 1,3-Dichlorobenzene	4.936	146	17563	1.05	ppb	96
15) 1,4-Dichlorobenzene	4.994	146	17861	1.07	ppb	99
16) Benzyl alcohol	5.080	108	9377	0.93	ppb	98
17) 1,2-Dichlorobenzene	5.117	146	16833	1.09	ppb	95
18) Acetophenone	5.305	105	23596	1.07	ppb	99
19) 2-Methylphenol	5.171	108	13084	0.98	ppb	97
20) 2,2'-oxybis(1-Chloropr...	5.192	121	5298	1.00	ppb #	60
21) 3&4-Methylphenol	5.294	108	13959	0.99	ppb	100
22) n-Nitroso-di-n-propyla...	5.299	70	9973	1.02	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.412	201	4581	1.01	ppb	90
26) Nitrobenzene	5.454	77	14710	0.98	ppb	99
27) Quinoline	6.492	129	30718	1.00	ppb	98
28) Isophorone	5.663	82	23773	0.93	ppb	99
29) 2-Nitrophenol	5.743	139	5659	0.78	ppb	97
30) 2,4-Dimethylphenol	5.770	107	9287	0.82	ppb	97
31) Benzoic acid	5.818	105	3217	3.77	ppb	80
32) bis(2-Chloroethoxy)met...	5.861	93	15228	0.99	ppb	99
33) 2,4-Dichlorophenol	5.973	162	9842	0.93	ppb	99
34) 2,6-Dichlorophenol	6.198	162	9983	0.97	ppb	98
35) 1,3,5-Trichlorobenzene	5.759	180	15063	1.09	ppb	96
36) 1,2,4-Trichlorobenzene	6.064	180	12353	1.06	ppb	97
37) 1,2,3-Trichlorobenzene	6.294	180	13918	1.14	ppb	96
38) Naphthalene	6.144	128	46975	1.13	ppb	97
39) 4-Chloroaniline	6.187	127	17009	0.98	ppb	96
40) 2,3-Dichloroaniline	7.241	161	14599	1.01	ppb	99
41) Caprolactam	6.519	55	5436	0.78	ppb	92
42) Hexachlorobutadiene	6.273	225	5947	1.12	ppb	95
43) 4-Chloro-3-methylphenol	6.706	107	10010	0.89	ppb	93
44) 2-Methylnaphthalene	6.904	141	24864	1.03	ppb	99
45) 1-Methylnaphthalene	7.022	141	27875	1.05	ppb	98
46) Dimethylnaphthalene	7.685	156	26912	1.02	ppb	98
48) Hexachlorocyclopentadiene	7.102	237	9650	1.61	ppb	98
49) 2,4,6-Trichlorophenol	7.246	196	6021	0.87	ppb	86
50) 2,4,5-Trichlorophenol	7.284	196	6516	0.90	ppb	99
52) 2-Chloronaphthalene	7.503	162	25808	1.04	ppb	94
53) Biphenyl	7.476	154	38549	1.02	ppb	100
54) 2-Nitroaniline	7.631	65	4824	0.62	ppb	90
55) Dimethylphthalate	7.883	163	27878	1.06	ppb	98
56) Acenaphthylene	8.054	152	37402	0.93	ppb	98
57) 2,6-Dinitrotoluene	7.958	165	3329	1.03	ppb	91
58) 3-Nitroaniline	8.188	138	4523	0.63	ppb	91
59) Acenaphthene	8.300	153	26173	1.01	ppb	99
61) 4-Nitrophenol	8.428	109	1904	0.52	ppb	93
62) Dibenzofuran	8.541	168	37170	1.08	ppb	97
63) 2,4-Dinitrotoluene	8.519	165	3785	1.06	ppb	69
64) 2,3,4,6-Tetrachlorophenol	8.722	232	3744	0.73	ppb	97
65) Diethylphthalate	8.899	149	24343	0.94	ppb	99
66) Fluorene	9.038	166	27487	0.97	ppb	99
67) 4-Chlorophenyl-phenyle...	9.049	204	11863	1.01	ppb	90
68) 4-Nitroaniline	9.059	138	5087	0.69	ppb	93
71) n-Nitrosodiphenylamine	9.225	169	17213	0.91	ppb	93
72) 1,2-Diphenylhydrazine	9.284	77	25311	0.84	ppb	95
74) 4-Bromophenyl-phenylether	9.787	248	6207	1.00	ppb	94
75) Hexachlorobenzene	9.872	284	7077	1.08	ppb	84
76) Pentachlorophenol	10.177	266	4321	1.09	ppb	97
77) Phenanthrene	10.487	178	38659	1.02	ppb	99
78) Anthracene	10.568	178	34103	0.92	ppb	99
79) Carbazole	10.824	167	37221	0.91	ppb	97
80) Di-n-butylphthalate	11.450	149	33407	0.79	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration

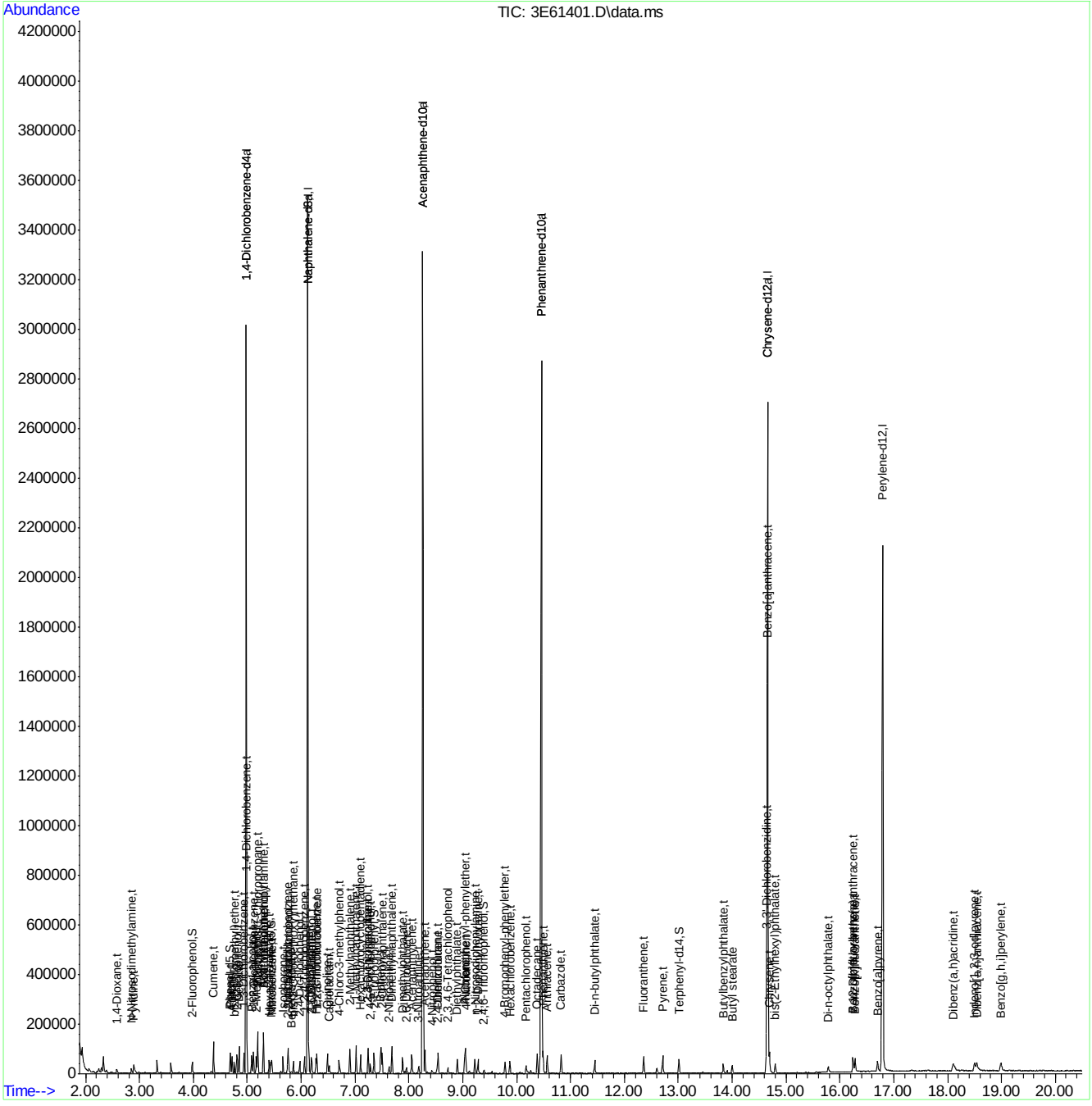
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Fluoranthene	12.359	202	33392	0.87	ppb	95
82) Octadecane	10.380	57	16623	0.78	ppb	99
84) Pyrene	12.712	202	35460	0.87	ppb	100
86) Butylbenzylphthalate	13.836	149	11043	2.36	ppb	94
87) Butyl stearate	14.001	56	5655	0.43	ppb	85
88) Benzo[a]anthracene	14.643	228	35935	0.98	ppb	97
89) 3,3'-Dichlorobenzidine	14.633	252	8207	0.63	ppb	99
90) Chrysene	14.691	228	29813	0.98	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	12931	0.53	ppb	97
93) Di-n-octylphthalate	15.783	149	16413	2.57	ppb	95
94) Benzo[b]fluoranthene	16.243	252	25763	0.74	ppb	93
95) Benzo[k]fluoranthene	16.285	252	29994	0.96	ppb	94
96) Benzo[a]pyrene	16.697	252	22954	0.80	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.500	276	22280m	0.76	ppb	
98) Dibenz(a,h)acridine	18.104	279	21891	0.78	ppb	96
99) Dibenz[a,h]anthracene	18.542	278	24816	0.88	ppb	93
100) 7,12-Dimethylbenz(a)an...	16.248	256	2190	3.06	ppb	97
101) Benzo[g,h,i]perylene	18.992	276	24631	0.87	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: E3E2646-IC2646
Lab FileID: 3E61401.D
Injection Time: 06/04/14 21:01

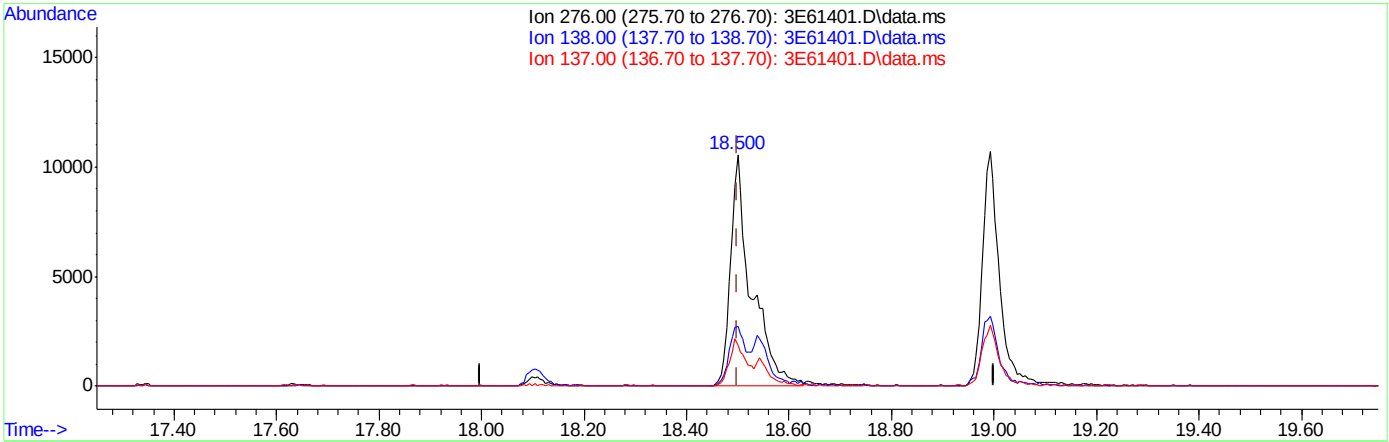
Method: SW846 8270D
Analyst approved: 06/06/14 09:18 Olga Azarihn
Supervisor approved: 06/09/14 23:38 Nina Pandya

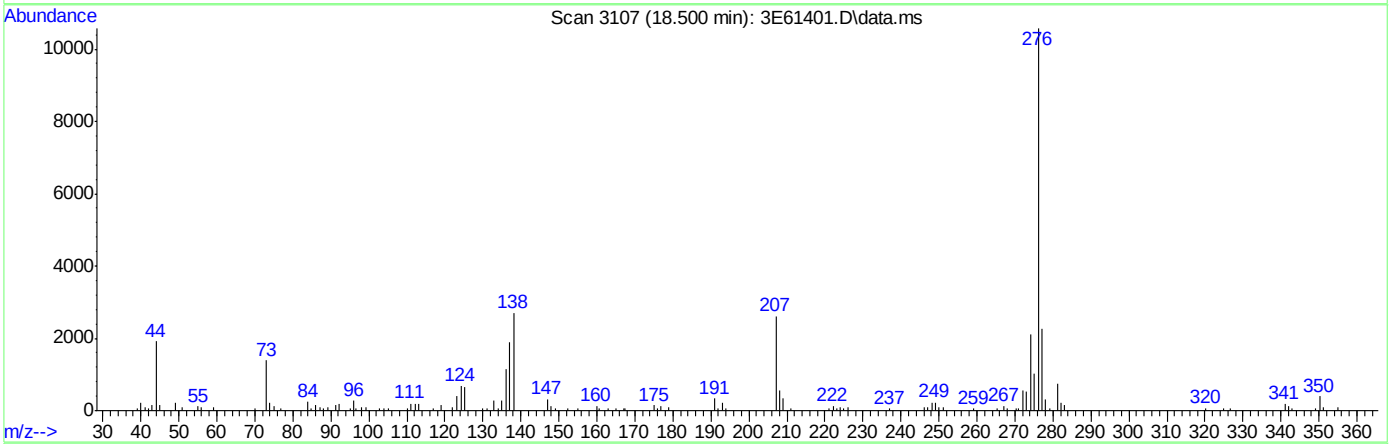
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.50	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:24:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:24:30 2014
QLast Update : Thu Jun 05 10:24:30 2014
Response via : Initial Calibration





TIC: 3E61401.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.500min (+0.000) 1.02ppb

response 29872

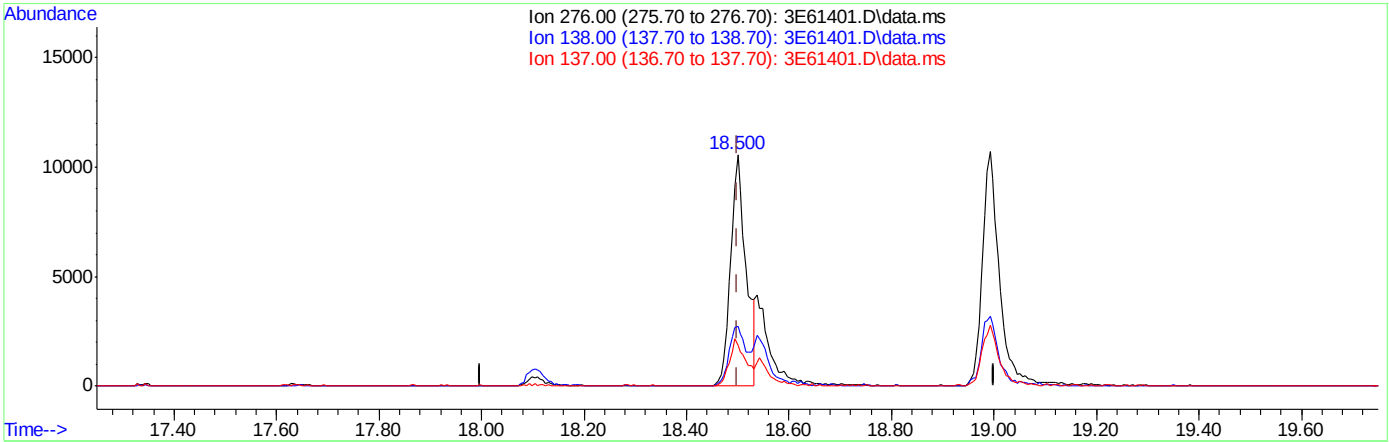
Ion	Exp%	Act%
276.00	100	100
138.00	28.80	25.31
137.00	22.10	17.52
0.00	0.00	0.00

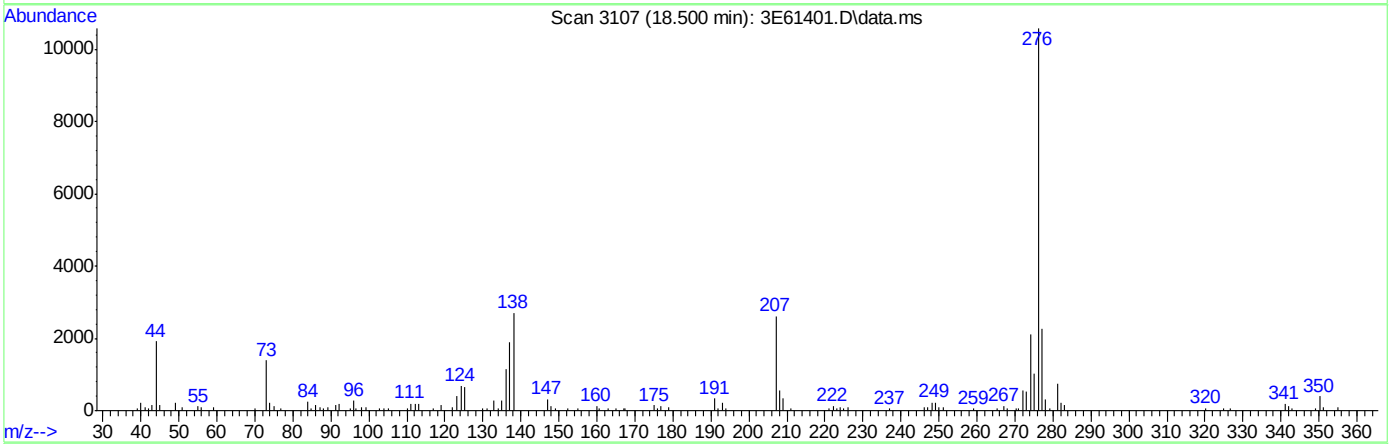
ACCUTEST LABORATORIES JB68173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61401.D
Acq On : 4 Jun 2014 9:01 pm
Operator : olgaa
Sample : ic2646-1
Misc : op74977,e3e2646,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:39:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:26:17 2014
QLast Update : Thu Jun 05 10:26:57 2014
Response via : Initial Calibration





TIC: 3E61401.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

18.500min (+0.000) 0.76ppb m

response 22280

Ion	Exp%	Act%
276.00	100	100
138.00	28.80	25.66
137.00	22.10	17.75
0.00	0.00	0.00

9.6.83

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61403.D
Acq On : 4 Jun 2014 9:51 pm
Operator : olgaa
Sample : ic2647-100
Misc : op74977,e3e2647,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:04:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:03:01 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

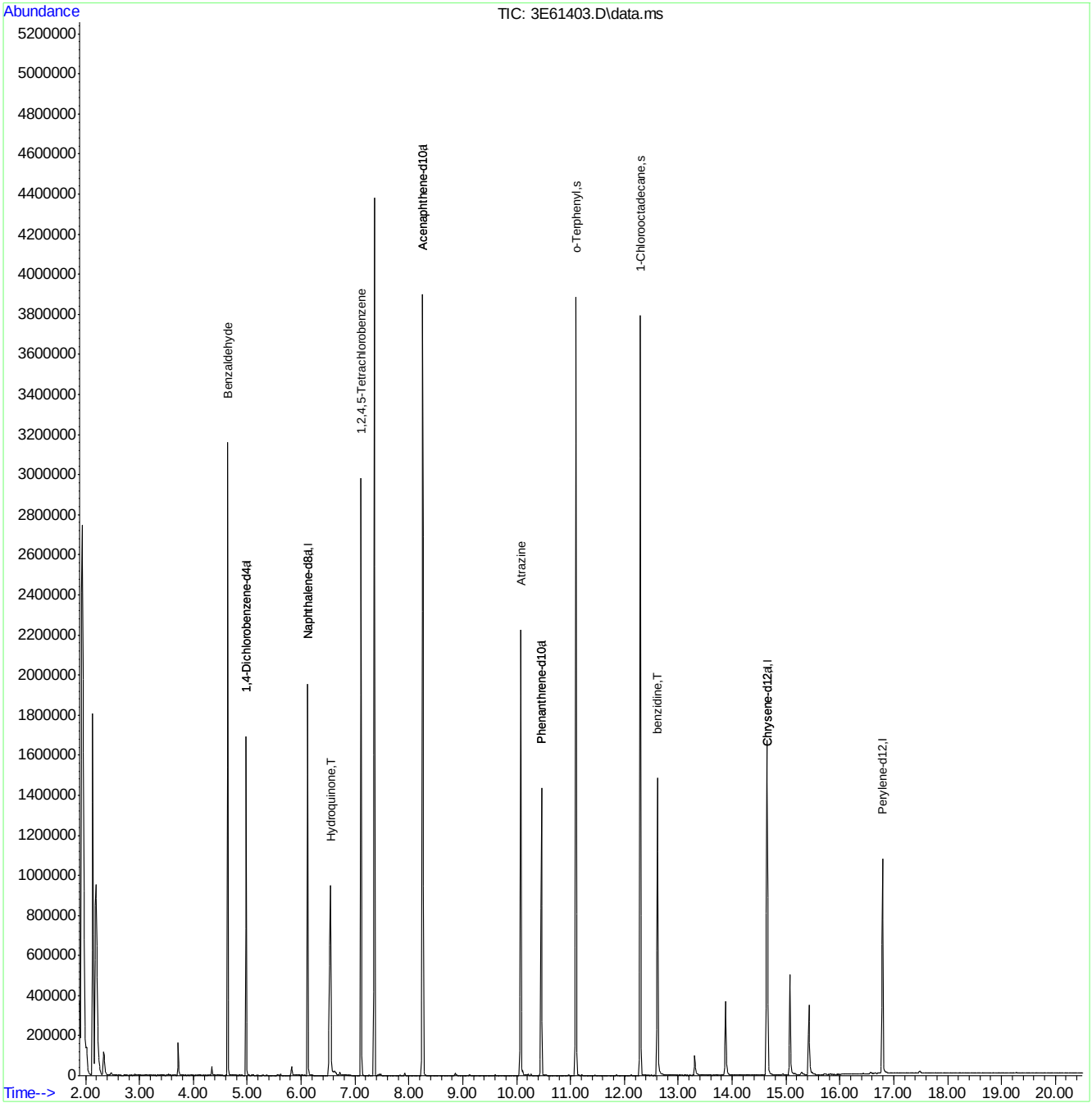
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	219122	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	842727	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	437645	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	631082	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	537386	40.00	ppb	0.00
92) Perylene-d12	16.793	264	476270	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	219122	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	437645	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	631082	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	537386	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	842727	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.102	230	898265	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
109) 1-Chlorooctadecane	12.295	57	567216	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	522423	100.00	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	559422	100.00	ppb	98
107) Atrazine	10.081	215	188930	100.00	ppb	98
111) benzidine	12.616	184	705974	100.00	ppb	100
113) Hydroquinone	6.545	110	703135	100.00	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61403.D
Acq On : 4 Jun 2014 9:51 pm
Operator : olgaa
Sample : ic2647-100
Misc : op74977,e3e2647,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:04:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:03:01 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61404.D
Acq On : 4 Jun 2014 10:18 pm
Operator : olgaa
Sample : ic2647-80
Misc : op74977,e3e2647,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 16:05:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

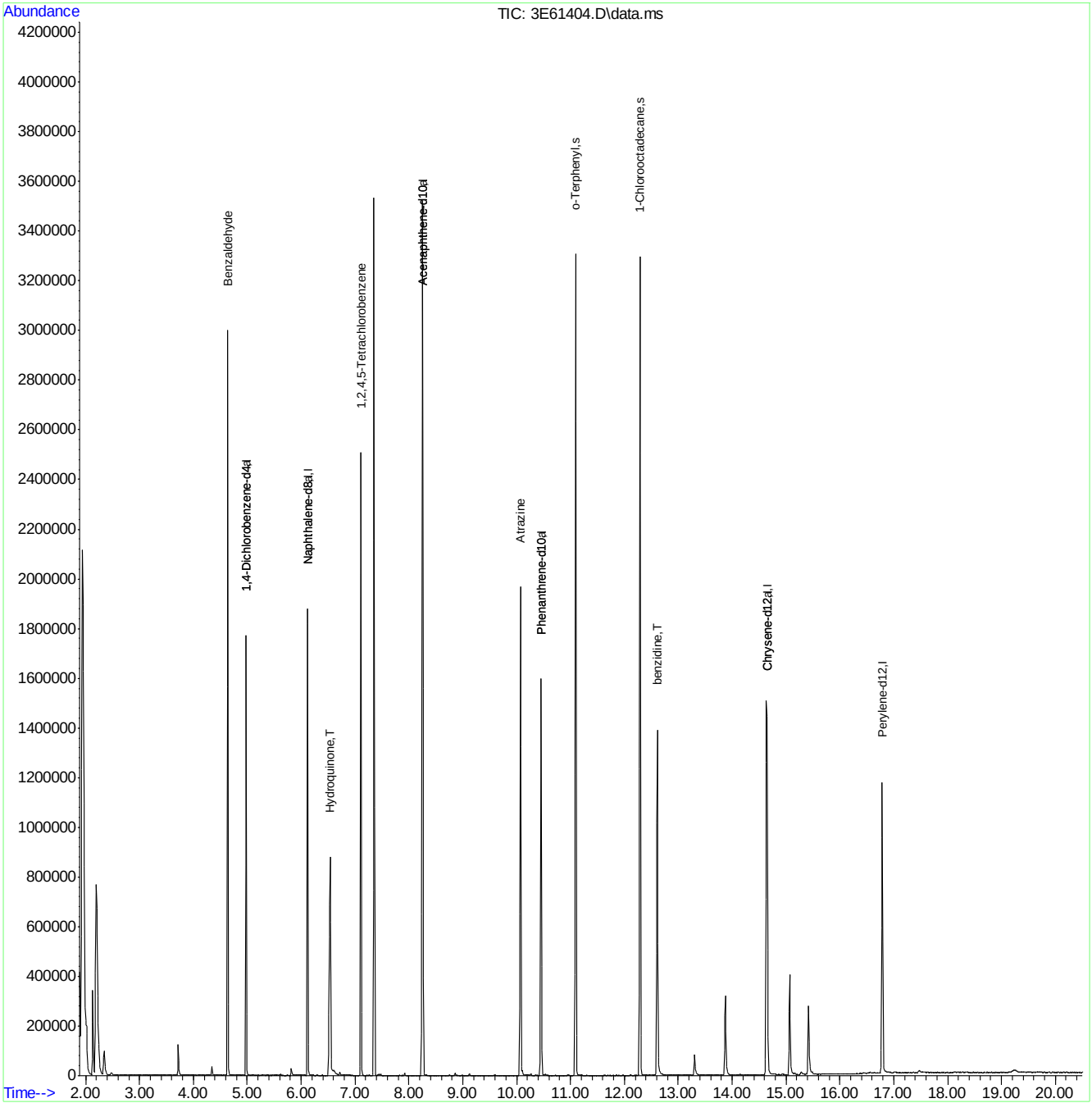
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	225341	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	872894	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	455341	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	663719	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	570476	40.00	ppb	0.00
92) Perylene-d12	16.788	264	517288	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	225341	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	455341	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	663719	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	570476	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	872894	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.097	230	749456	79.33	ppb	0.00
Spiked Amount 50.000			Recovery =	158.66%		
109) 1-Chlorooctadecane	12.290	57	492442	82.55	ppb	0.00
Spiked Amount 50.000			Recovery =	165.10%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	478062	88.98	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	452750	77.79	ppb	98
107) Atrazine	10.076	215	157908	79.47	ppb	97
111) benzidine	12.611	184	675514	90.14	ppb	99
113) Hydroquinone	6.540	110	581102	79.79	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61404.D
Acq On : 4 Jun 2014 10:18 pm
Operator : olgaa
Sample : ic2647-80
Misc : op74977,e3e2647,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 16:05:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

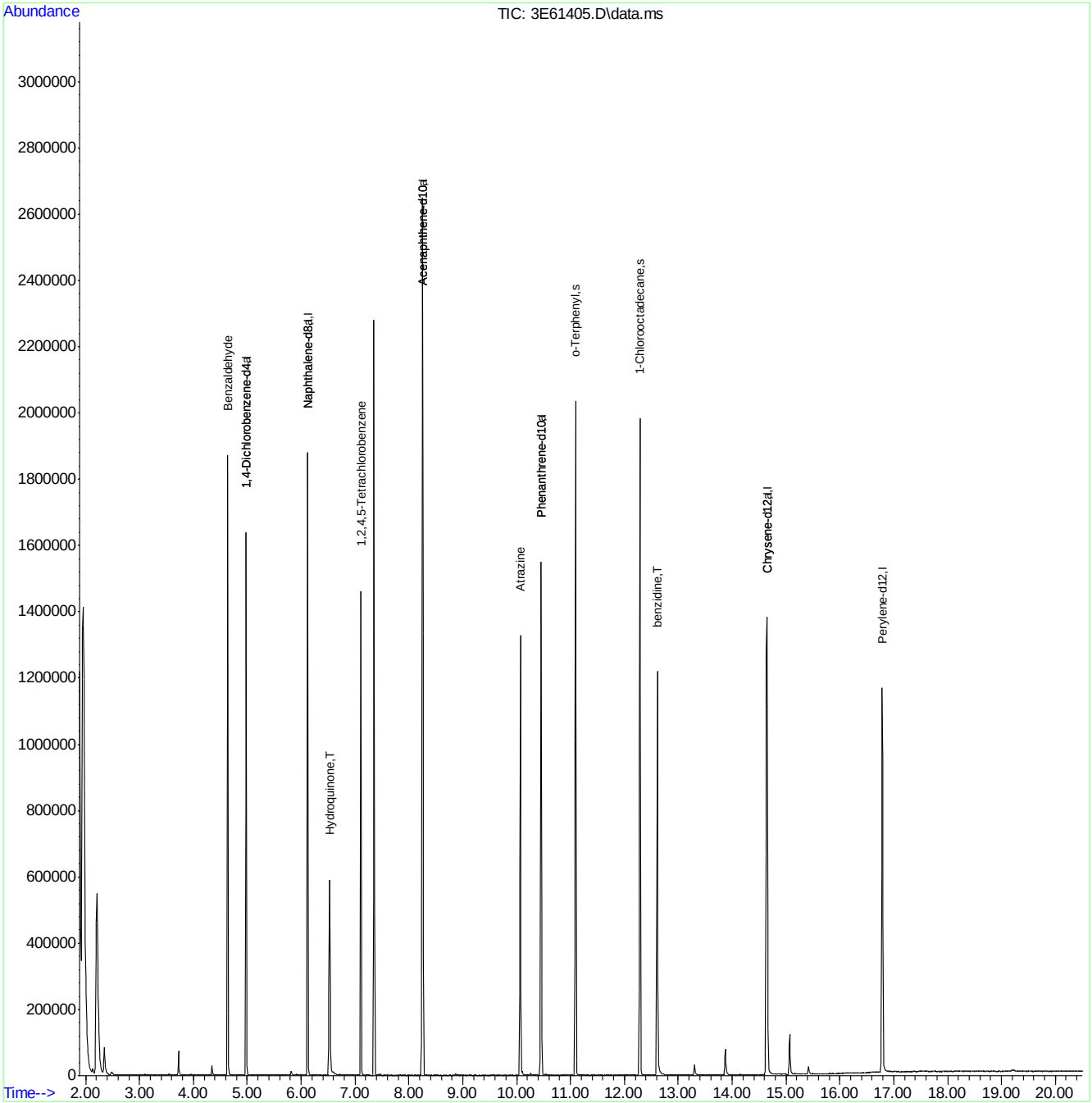
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	216759	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	835764	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	442956	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	656231	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	565845	40.00	ppb	0.00
92) Perylene-d12	16.788	264	503729	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	216759	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	442956	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	656231	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	565845	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	835764	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.097	230	451822	48.37	ppb	0.00
Spiked Amount 50.000			Recovery =	96.74%		
109) 1-Chlorooctadecane	12.290	57	304565	51.64	ppb	0.00
Spiked Amount 50.000			Recovery =	103.28%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	306401	59.29	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	266663	47.10	ppb	98
107) Atrazine	10.070	215	92698	47.18	ppb	97
111) benzidine	12.611	184	571356	76.86	ppb	99
113) Hydroquinone	6.529	110	354481	50.83	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 05 16:06:43 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

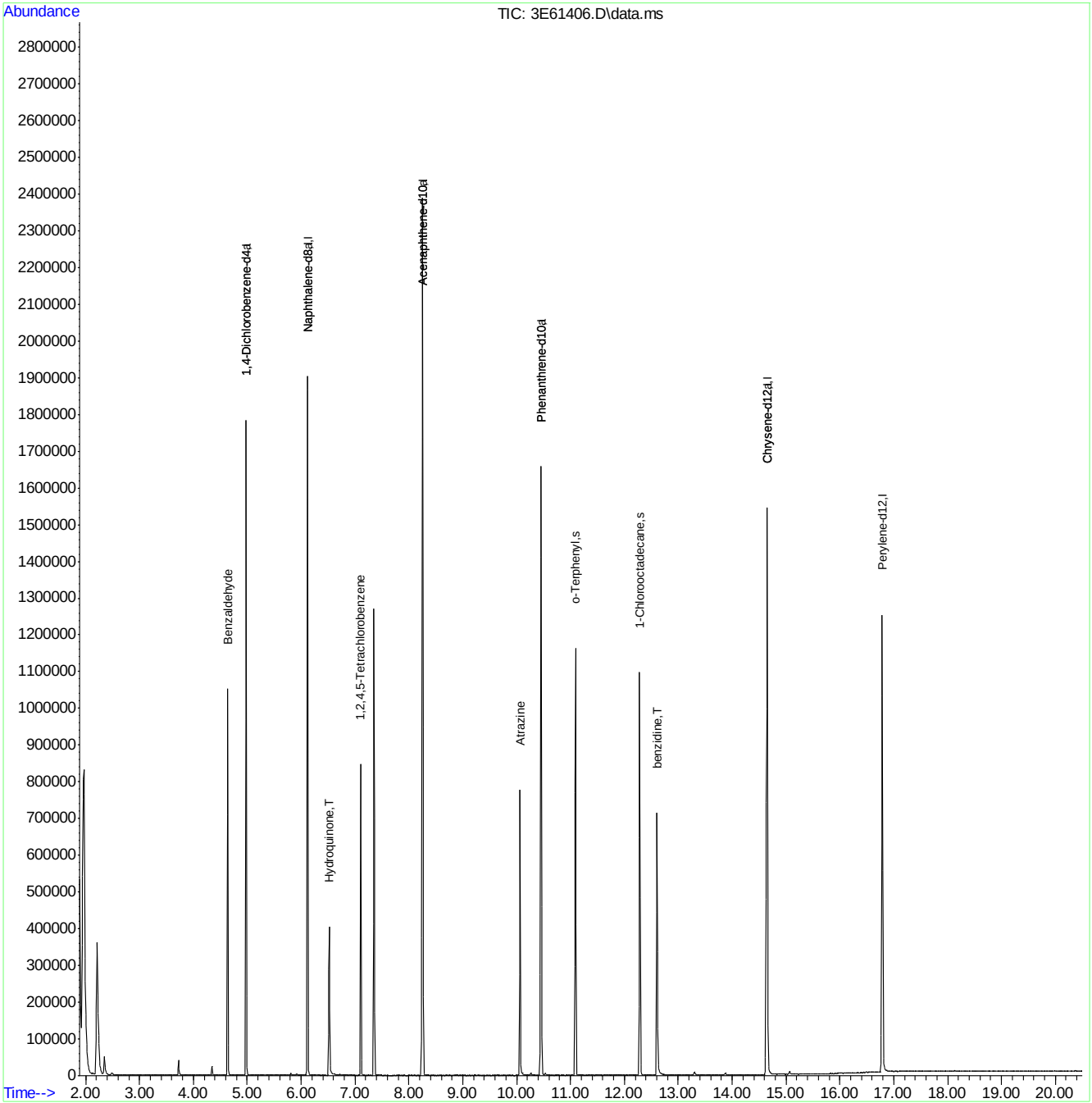
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	229663	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	889209	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	479103	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	718287	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	622505	40.00	ppb	0.00
92) Perylene-d12	16.788	264	544543	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	229663	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	479103	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	718287	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	622505	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	889209	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	247892	24.25	ppb	-0.01
Spiked Amount 50.000			Recovery =	48.50%		
109) 1-Chlorooctadecane	12.285	57	164633	25.50	ppb	-0.01
Spiked Amount 50.000			Recovery =	51.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	167915	30.67	ppb	97
105) 1,2,4,5-Tetrachloroben...	7.107	216	147156	24.03	ppb	100
107) Atrazine	10.065	215	51118	23.77	ppb	97
111) benzidine	12.606	184	343541	42.01	ppb	99
113) Hydroquinone	6.519	110	183911	24.79	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 05 16:07:30 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

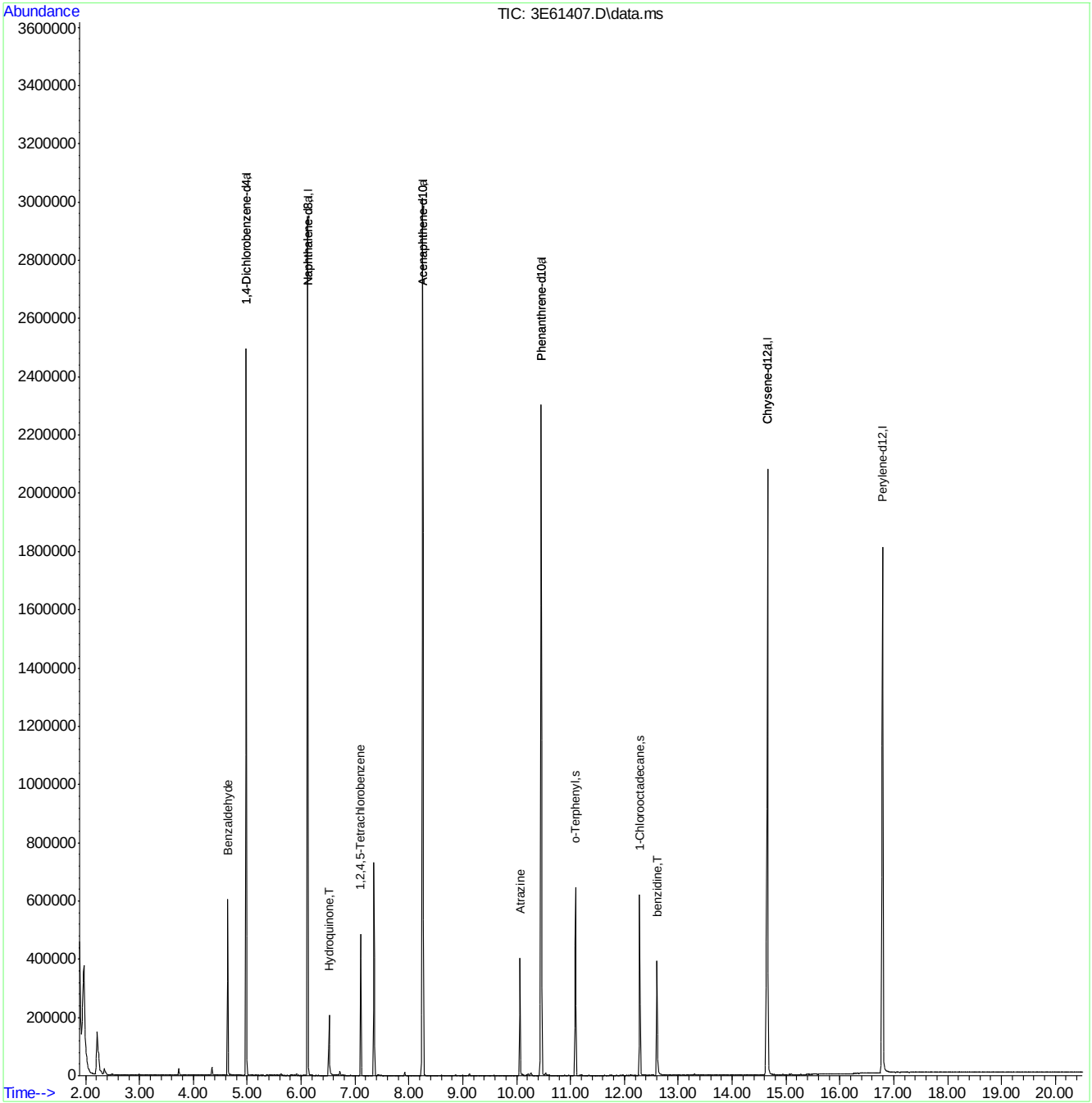
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	338669	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287062	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	709486	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1055698	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	928590	40.00	ppb	0.00
92) Perylene-d12	16.793	264	820489	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	338669	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	709486	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1055698	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	928590	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287062	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	141538	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
109) 1-Chlorooctadecane	12.284	57	89362	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	95948	11.88	ppb	95
105) 1,2,4,5-Tetrachloroben...	7.107	216	84702	9.34	ppb	99
107) Atrazine	10.065	215	27922	8.83	ppb	95
111) benzidine	12.605	184	181147	14.85	ppb	98
113) Hydroquinone	6.519	110	89282	8.31	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

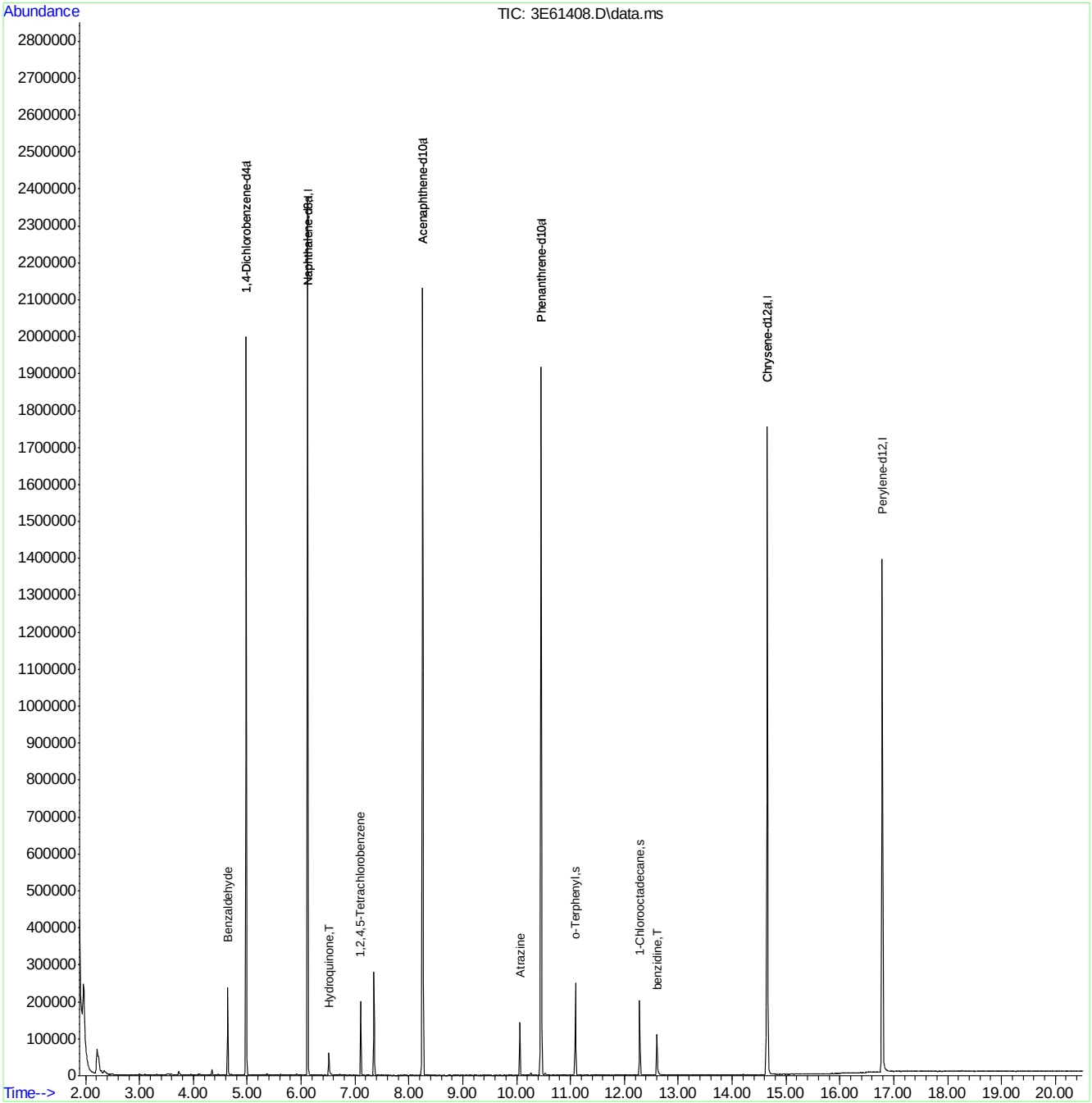
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	275702	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1033457	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	555305	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	825206	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	717978	40.00	ppb	0.00
92) Perylene-d12	16.788	264	626137	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	275702	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	555305	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	825206	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	717978	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1033457	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	53526	4.56	ppb	-0.01
Spiked Amount 50.000			Recovery =	9.12%		
109) 1-Chlorooctadecane	12.284	57	28599	3.86	ppb	-0.01
Spiked Amount 50.000			Recovery =	7.72%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	38177	5.81	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.107	216	34103	4.80	ppb	98
107) Atrazine	10.059	215	9275	3.75	ppb	93
111) benzidine	12.605	184	55142	5.85	ppb	98
113) Hydroquinone	6.513	110	26151	3.03	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

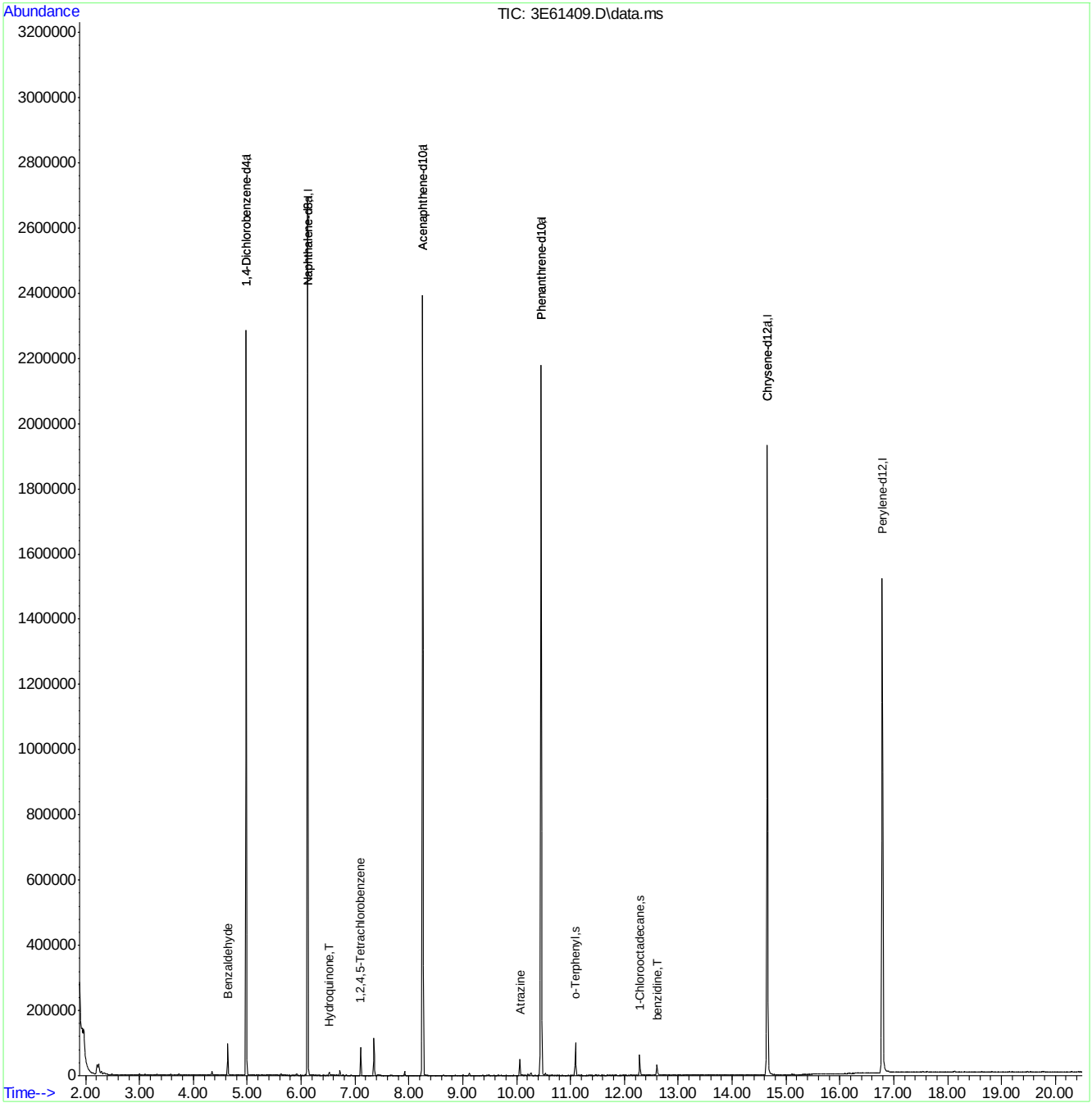
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	313078	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1175873	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	633460	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	945356	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	821855	40.00	ppb	0.00
92) Perylene-d12	16.788	264	717346	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	313078	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	633460	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	945356	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	821855	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1175873	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	21622	1.61	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.22%		
109) 1-Chlorooctadecane	12.284	57	9546	1.12	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.24%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	15835	2.12	ppb	93
105) 1,2,4,5-Tetrachloroben...	7.107	216	14845	1.83	ppb	98
107) Atrazine	10.059	215	3278	1.16	ppb	90
111) benzidine	12.605	184	17355	1.61	ppb	96
113) Hydroquinone	6.519	110	6726	0.69	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

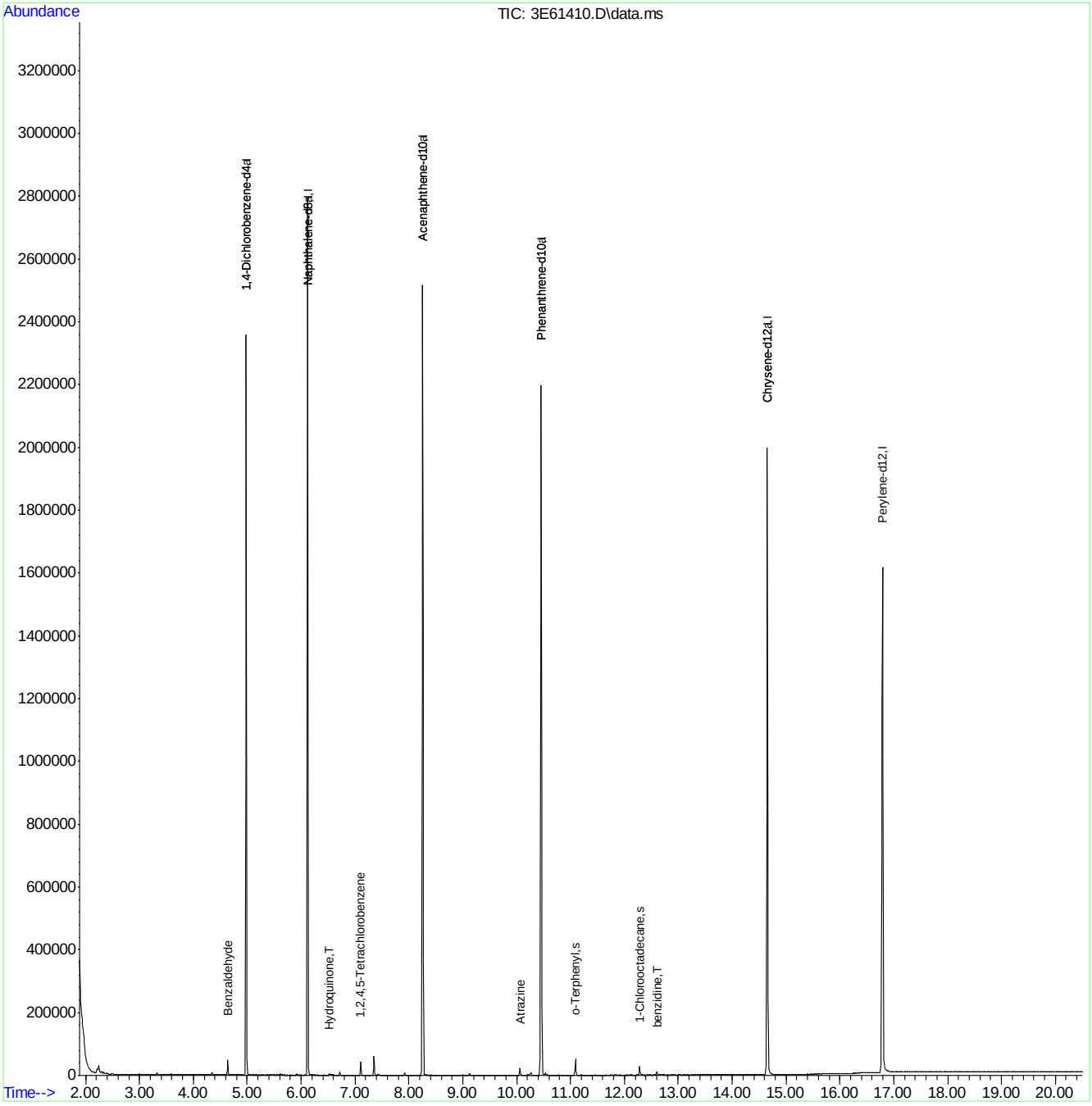
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	323735	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1219950	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	663987	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	980603	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	858495	40.00	ppb	0.00
92) Perylene-d12	16.793	264	758954	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	323735	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	663987	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	980603	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	858495	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1219950	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	11.092	230	11070	0.79	ppb	-0.01
Spiked Amount 50.000			Recovery =	1.58%		
109) 1-Chlorooctadecane	12.284	57	4156	0.47	ppb	-0.01
Spiked Amount 50.000			Recovery =	0.94%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	7952	1.03	ppb	87
105) 1,2,4,5-Tetrachloroben...	7.107	216	7721	0.91	ppb	98
107) Atrazine	10.059	215	1420	0.48	ppb	95
111) benzidine	12.605	184	6334	0.56	ppb	96
113) Hydroquinone	6.519	110	2496	0.25	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61412.D
Acq On : 5 Jun 2014 1:59 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 10:46:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.984	152	275457	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	984698	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	492894	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	687955	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	555361	40.00	ppb	0.00
92) Perylene-d12	16.788	264	463860	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.984	152	275457	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	492894	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	687955	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	555361	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	984698	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%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.887	79	519112	42.54	ppb	99
4) N-Nitrosodimethylamine	2.855	74	307205	45.29	ppb	98
11) bis(2-Chloroethyl)ether	4.764	93	448505	47.96	ppb	96
14) 1,3-Dichlorobenzene	4.941	146	502416	45.56	ppb	99
15) 1,4-Dichlorobenzene	4.994	146	492357	44.93	ppb	100
16) Benzyl alcohol	5.085	108	298473	45.06	ppb	95
17) 1,2-Dichlorobenzene	5.123	146	456024	44.90	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.192	121	160461	46.19	ppb	87
22) n-Nitroso-di-n-propyla...	5.299	70	296528	46.15	ppb	98
23) Hexachloroethane	5.412	201	142941	47.65	ppb	90
26) Nitrobenzene	5.454	77	408313	42.67	ppb	100
28) Isophorone	5.663	82	717064	43.74	ppb	96
32) bis(2-Chloroethoxy)met...	5.861	93	479286	48.76	ppb	99
36) 1,2,4-Trichlorobenzene	6.064	180	347491	46.72	ppb	99
38) Naphthalene	6.144	128	1181251	44.37	ppb	99
42) Hexachlorobutadiene	6.278	225	156649	46.20	ppb	99
44) 2-Methylnaphthalene	6.904	141	690149	44.57	ppb	99
48) Hexachlorocyclopentadiene	7.107	237	151109	44.88	ppb	99
52) 2-Chloronaphthalene	7.508	162	666582	47.79	ppb	97

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61412.D
Acq On : 5 Jun 2014 1:59 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 10:46:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

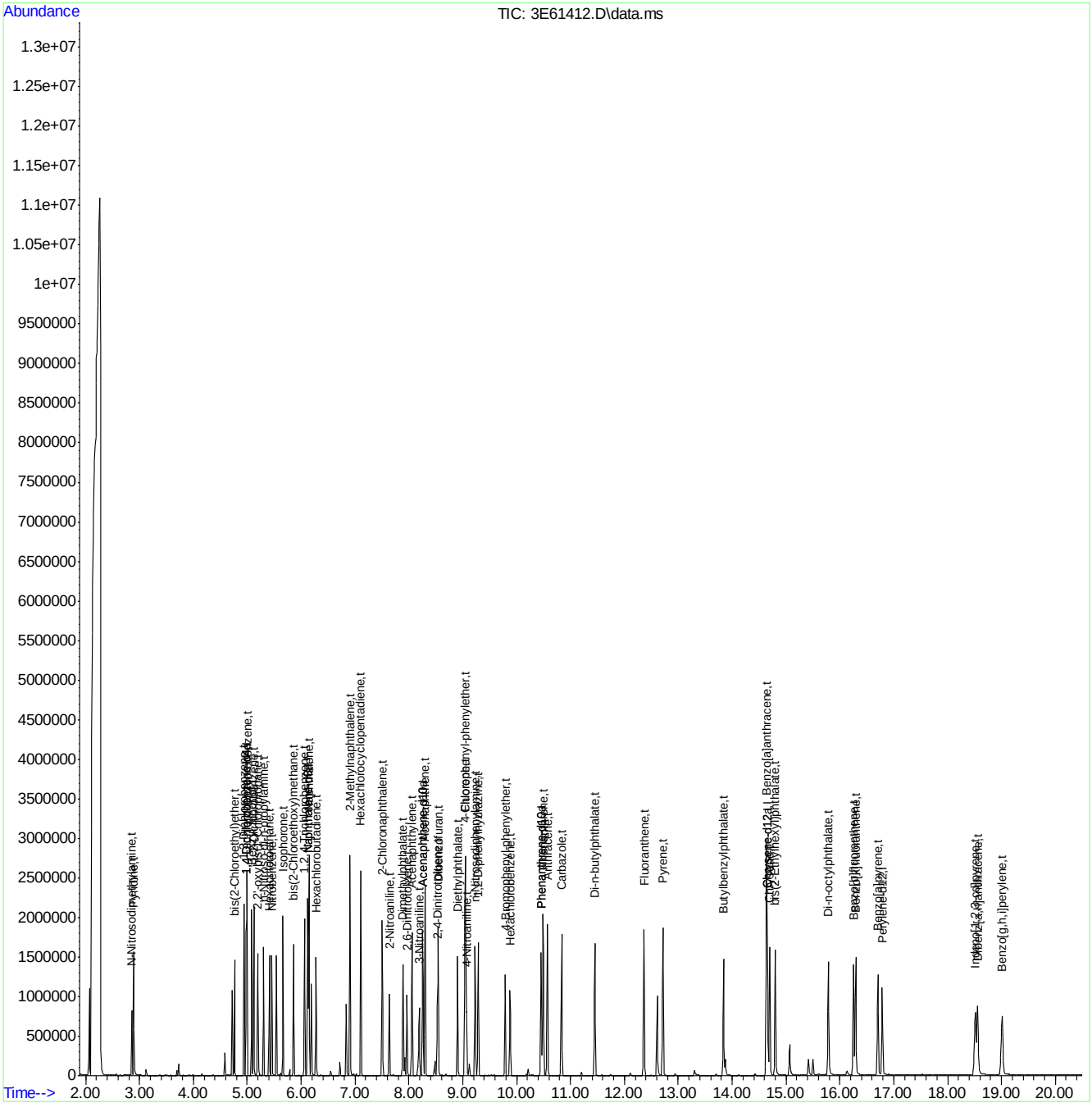
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 2-Nitroaniline	7.637	65	185974	42.26	ppb	91
55) Dimethylphthalate	7.888	163	683091	46.21	ppb	100
56) Acenaphthylene	8.059	152	909638	40.12	ppb	99
57) 2,6-Dinitrotoluene	7.963	165	139570	40.90	ppb	97
58) 3-Nitroaniline	8.193	138	159831	39.51	ppb	98
59) Acenaphthene	8.305	153	694336	47.85	ppb	98
62) Dibenzofuran	8.546	168	873176	45.12	ppb	99
63) 2,4-Dinitrotoluene	8.530	165	164442	35.22	ppb	95
65) Diethylphthalate	8.904	149	664795	45.48	ppb	100
66) Fluorene	9.043	166	745592	46.65	ppb	100
67) 4-Chlorophenyl-phenyle...	9.054	204	306892	46.61	ppb	93
68) 4-Nitroaniline	9.075	138	181202	43.74	ppb	96
71) n-Nitrosodiphenylamine	9.230	169	484217	49.65	ppb	97
72) 1,2-Diphenylhydrazine	9.289	77	726009	46.88	ppb	98
74) 4-Bromophenyl-phenylether	9.787	248	157305	49.15	ppb	98
75) Hexachlorobenzene	9.878	284	153876	45.76	ppb	90
77) Phenanthrene	10.493	178	900553	46.41	ppb	99
78) Anthracene	10.573	178	898735	47.38	ppb	100
79) Carbazole	10.835	167	874467	41.56	ppb	99
80) Di-n-butylphthalate	11.450	149	1034744	47.75	ppb	100
81) Fluoranthene	12.365	202	893082	45.32	ppb	100
84) Pyrene	12.718	202	913276	48.13	ppb	100
86) Butylbenzylphthalate	13.841	149	427328	41.87	ppb	94
88) Benzo[a]anthracene	14.643	228	778799	45.36	ppb	100
90) Chrysene	14.702	228	689932	48.88	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.798	149	544095	47.74	ppb	100
93) Di-n-octylphthalate	15.783	149	920665	41.15	ppb	100
94) Benzo[b]fluoranthene	16.253	252	708645	45.23	ppb	94
95) Benzo[k]fluoranthene	16.296	252	683711	48.51	ppb	99
96) Benzo[a]pyrene	16.708	252	635892	49.37	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.516	276	598167	45.44	ppb	97
99) Dibenz[a,h]anthracene	18.558	278	597713	47.18	ppb	97
101) Benzo[g,h,i]perylene	19.013	276	602389	47.25	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61412.D
Acq On : 5 Jun 2014 1:59 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 05 10:46:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61414.D
Acq On : 5 Jun 2014 2:54 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 06 09:27:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	307652	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1127870	40.00	ppb	0.00
47) Acenaphthene-d10	8.252	164	587102	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	831479	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	654349	40.00	ppb	0.00
92) Perylene-d12	16.788	264	554981	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	307652	40.00	ppb	0.00
104) Acenaphthene-d10a	8.252	164	587102	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	831479	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	654349	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1127870	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.983	112	455216	43.79	ppb	0.00
Spiked Amount 50.000			Recovery = 87.58%			
8) Phenol-d5	4.684	99	529787	41.13	ppb	0.00
Spiked Amount 50.000			Recovery = 82.26%			
25) Nitrobenzene-d5	5.438	82	424649	43.45	ppb	0.00
Spiked Amount 50.000			Recovery = 86.90%			
51) 2-Fluorobiphenyl	7.353	172	855837	47.51	ppb	0.00
Spiked Amount 50.000			Recovery = 95.02%			
73) 2,4,6-Tribromophenol	9.396	330	69215	47.56	ppb	0.00
Spiked Amount 50.000			Recovery = 95.12%			
85) Terphenyl-d14	13.017	244	696022	50.30	ppb	0.00
Spiked Amount 50.000			Recovery = 100.60%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

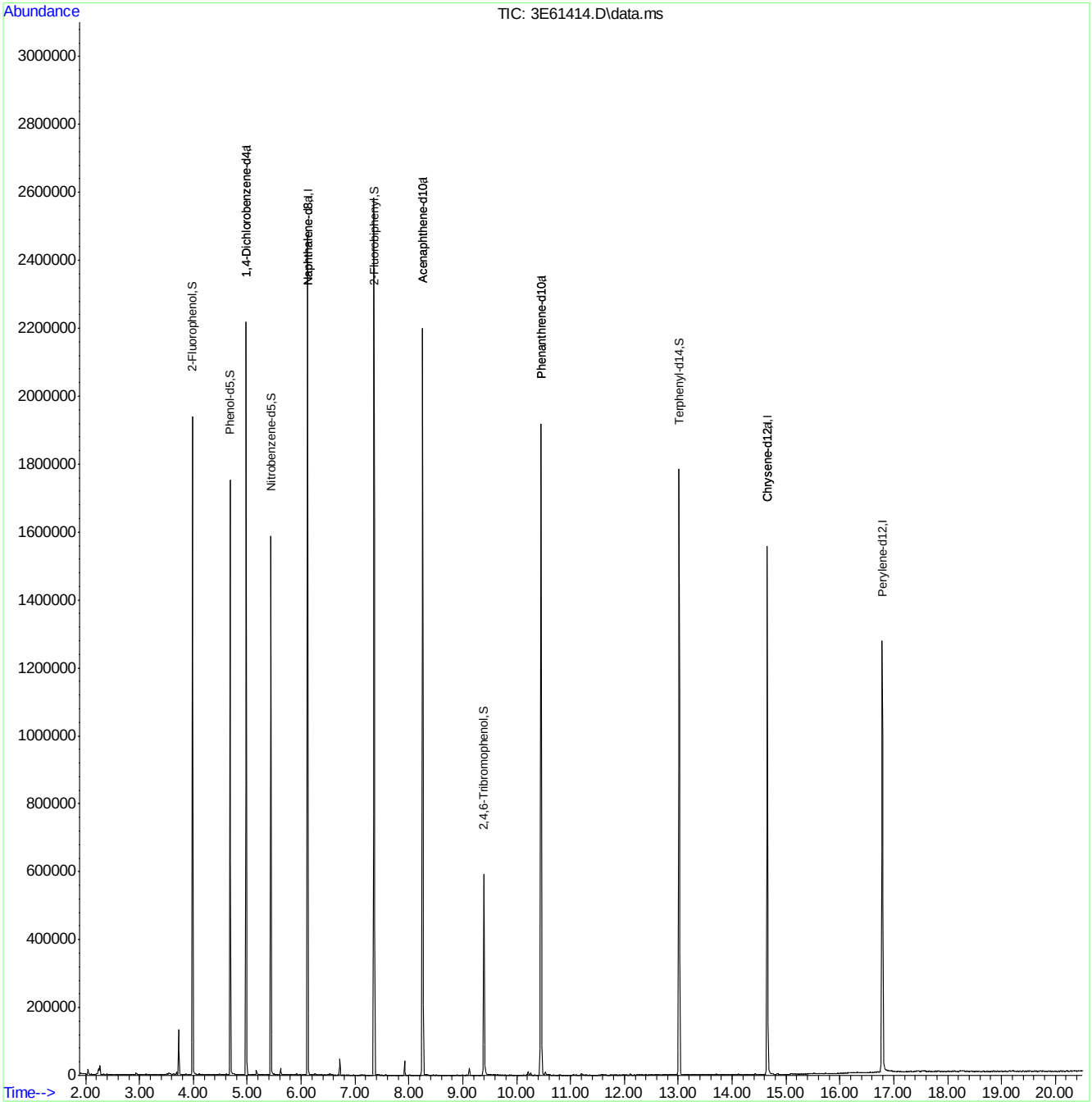
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61414.D
Acq On : 5 Jun 2014 2:54 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 06 09:27:50 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61415.D
Acq On : 5 Jun 2014 3:22 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 06 09:29:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

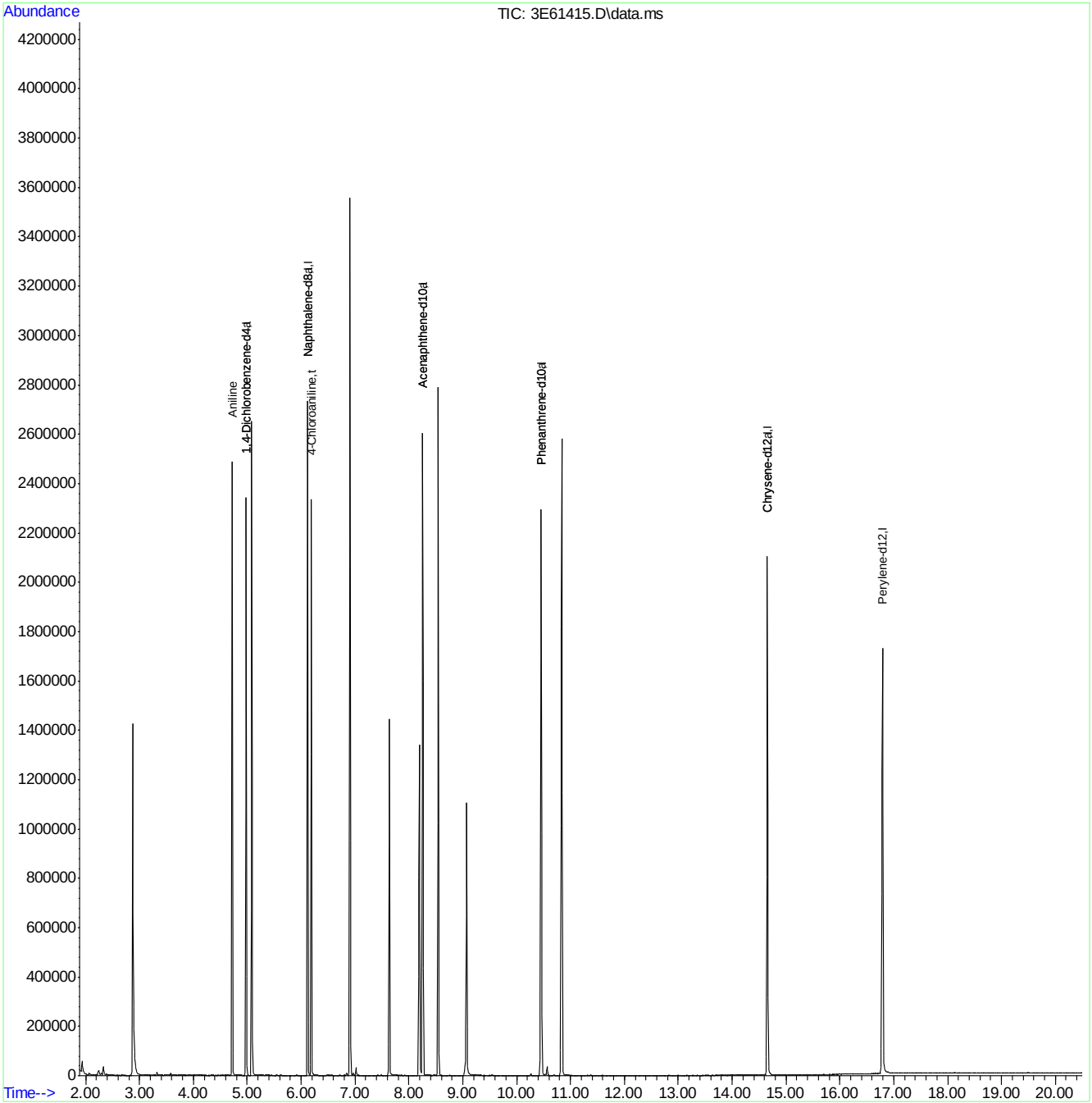
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	321350	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1236492	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	692141	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1049159	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	936200	40.00	ppb	0.00
92) Perylene-d12	16.794	264	816615	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	321350	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	692141	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1049159	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	936200	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1236492	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.722	93	897619	54.38	ppb	97
39) 4-Chloroaniline	6.187	127	712992	51.06	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61415.D
Acq On : 5 Jun 2014 3:22 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 06 09:29:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 09:30:37 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	352694	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1306604	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	740023	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1125858	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1003193	40.00	ppb	0.00
92) Perylene-d12	16.794	264	900656	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	352694	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	740023	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1125858	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1003193	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1306604	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

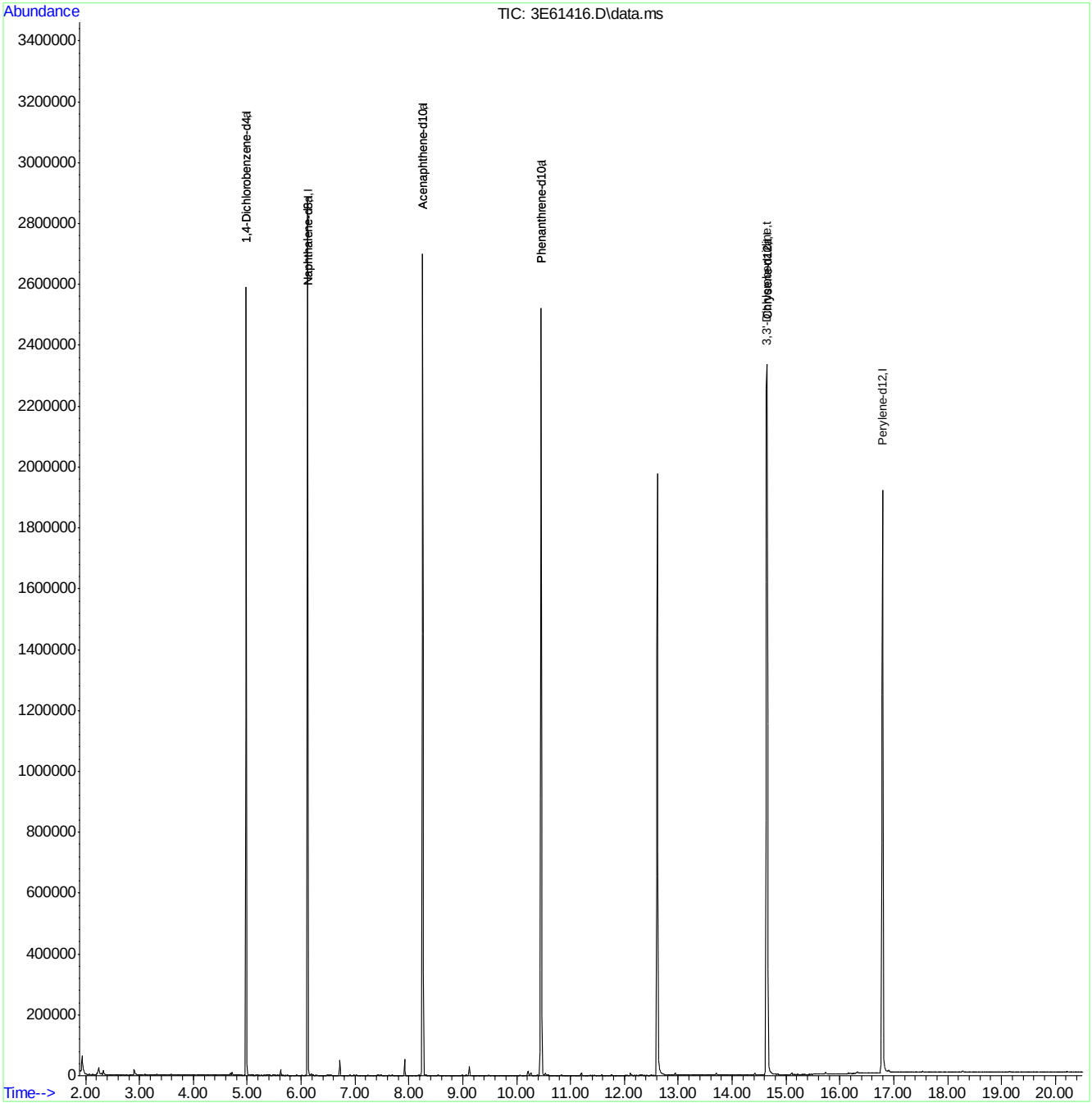
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.638	252	484606	44.51	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 09:30:37 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416a.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 10:00:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	352694	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1306604	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	740023	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1125858	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1003193	40.00	ppb	0.00
92) Perylene-d12	16.794	264	900656	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	352694	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	740023	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1125858	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1003193	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1306604	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

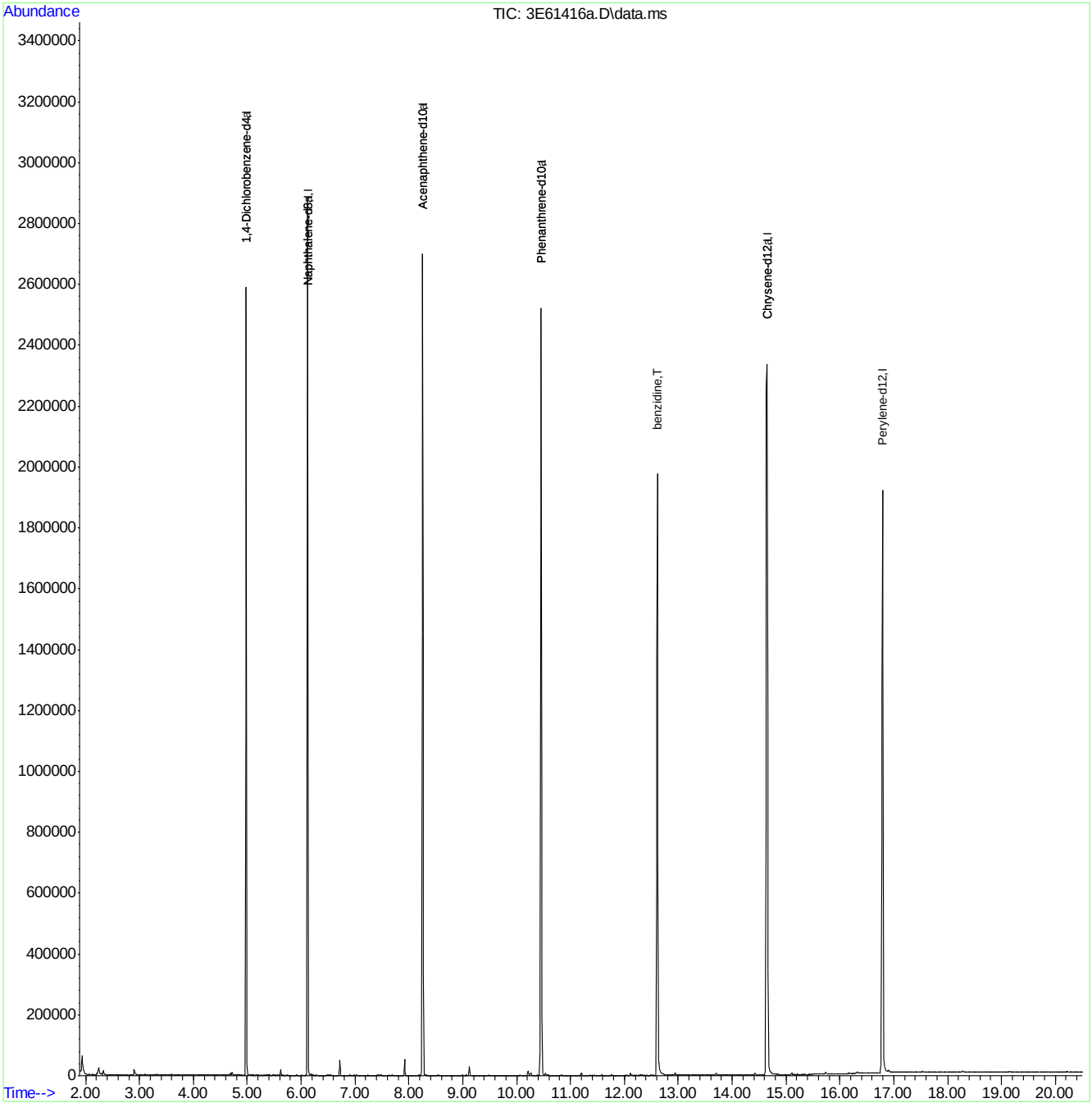
Target Compounds						Qvalue
111) benzidine	12.611	184	958760	51.98	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416a.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 10:00:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



M3E2646.M Fri Jun 06 10:00:42 2014 MS3E Page: 2

9.6.21
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61417.D
Acq On : 5 Jun 2014 4:16 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 06 10:01:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

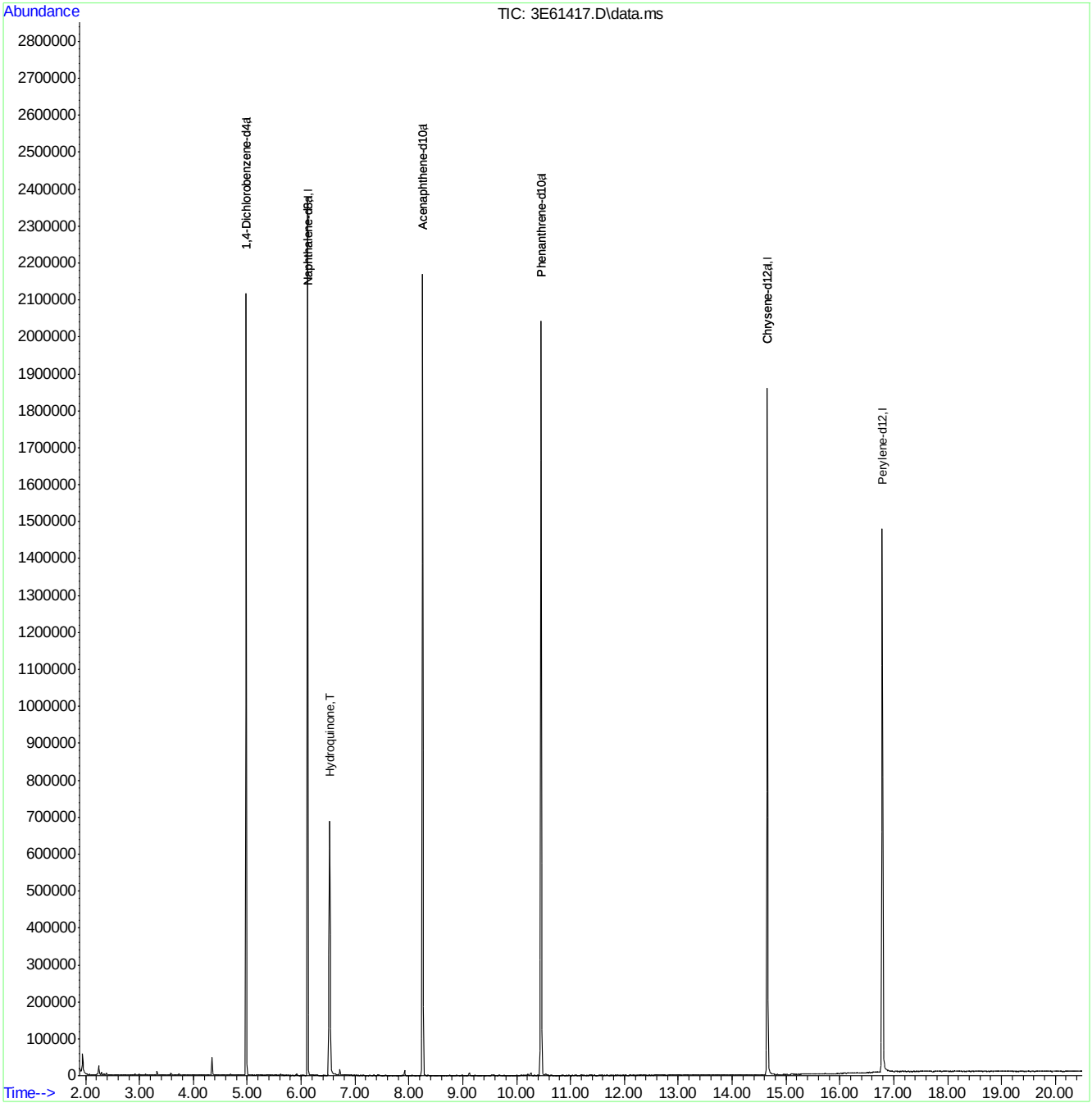
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	285655	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1070485	40.00	ppb	0.00
47) Acenaphthene-d10	8.252	164	587758	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	898387	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	784560	40.00	ppb	0.00
92) Perylene-d12	16.794	264	687675	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	285655	40.00	ppb	0.00
104) Acenaphthene-d10a	8.252	164	587758	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	898387	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	784560	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1070485	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Hydroquinone	6.529	110	448704	55.37	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61417.D
Acq On : 5 Jun 2014 4:16 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 06 10:01:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61421.D
Acq On : 5 Jun 2014 12:37 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:08:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.968	152	281201	40.00	ppb		-0.01
24) Naphthalene-d8	6.112	136	1015748	40.00	ppb		-0.01
47) Acenaphthene-d10	8.246	164	540899	40.00	ppb		-0.01
69) Phenanthrene-d10	10.445	188	765001	40.00	ppb		-0.01
83) Chrysene-d12	14.638	240	631882	40.00	ppb		-0.02
92) Perylene-d12	16.772	264	542314	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	4.968	152	281201	40.00	ppb		-0.01
104) Acenaphthene-d10a	8.246	164	540899	40.00	ppb		-0.01
106) Phenanthrene-d10a	10.445	188	765001	40.00	ppb		-0.01
110) Chrysene-d12a	14.638	240	631882	40.00	ppb		-0.02
112) Naphthalene-d8a	6.112	136	1015748	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%			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.684	94	625841	46.13	ppb		97
12) 2-Chlorophenol	4.807	128	517771	49.16	ppb		96
19) 2-Methylphenol	5.160	108	464453	51.69	ppb		97
21) 3&4-Methylphenol	5.283	108	478014	50.19	ppb		99
29) 2-Nitrophenol	5.733	139	264893	55.70	ppb		94
30) 2,4-Dimethylphenol	5.759	107	445827	59.65	ppb		98
31) Benzoic acid	5.866	105	277344	41.65	ppb		98
33) 2,4-Dichlorophenol	5.963	162	374503	53.54	ppb		98
34) 2,6-Dichlorophenol	6.192	162	363679	53.58	ppb		98
43) 4-Chloro-3-methylphenol	6.695	107	371638	50.10	ppb		96
49) 2,4,6-Trichlorophenol	7.235	196	240288	56.42	ppb		99
50) 2,4,5-Trichlorophenol	7.278	196	246113	55.18	ppb		99
60) 2,4-Dinitrophenol	8.321	184	62396	41.68	ppb	#	95
61) 4-Nitrophenol	8.428	109	98126	43.13	ppb		95
64) 2,3,4,6-Tetrachlorophenol	8.717	232	176347	55.85	ppb		94
70) 4,6-Dinitro-2-methylph...	9.108	198	106912	50.95	ppb		88
76) Pentachlorophenol	10.167	266	132497	58.20	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61421.D
Acq On : 5 Jun 2014 12:37 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:08:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

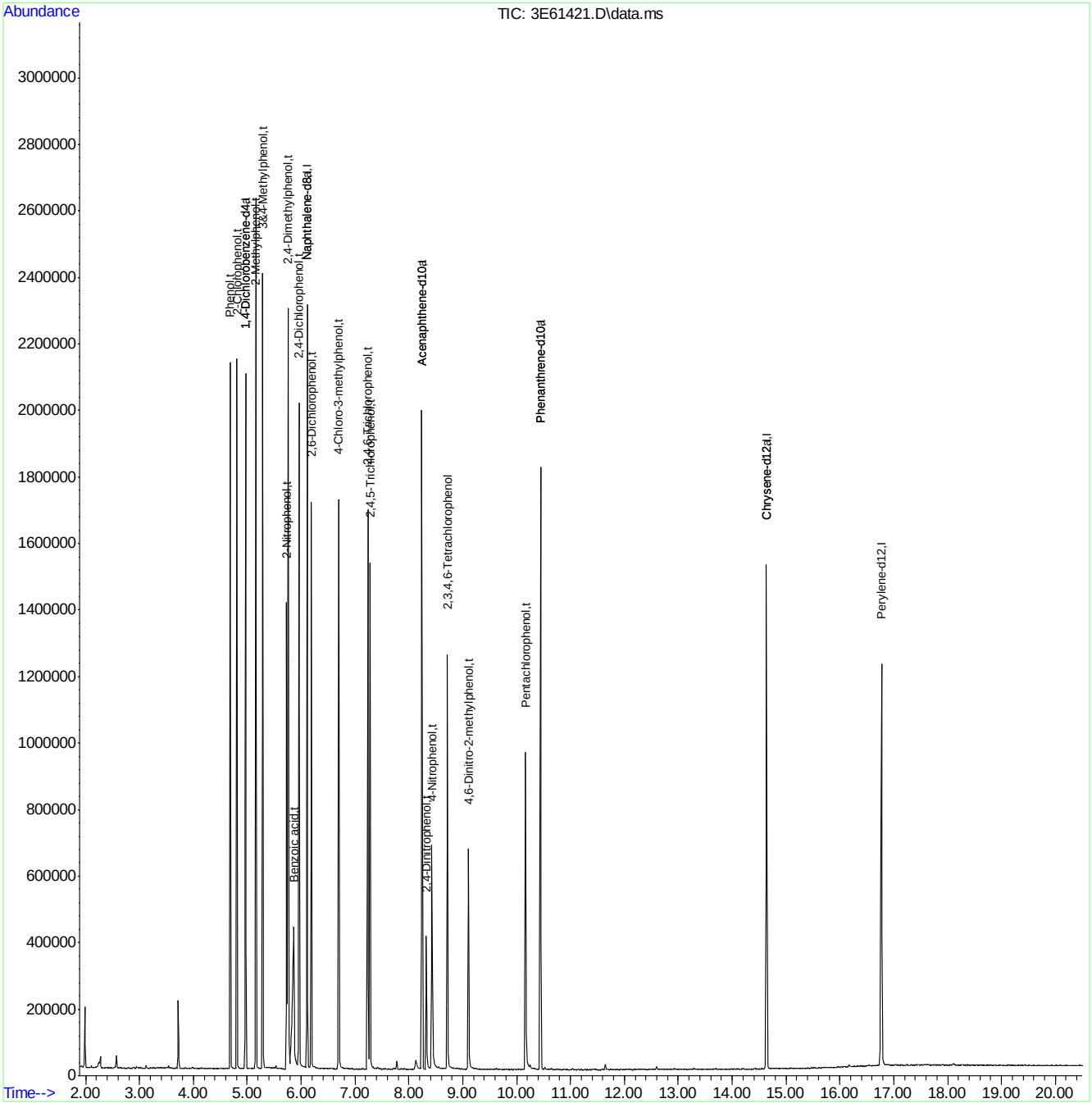
9.6.23

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61421.D
Acq On : 5 Jun 2014 12:37 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 10:08:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

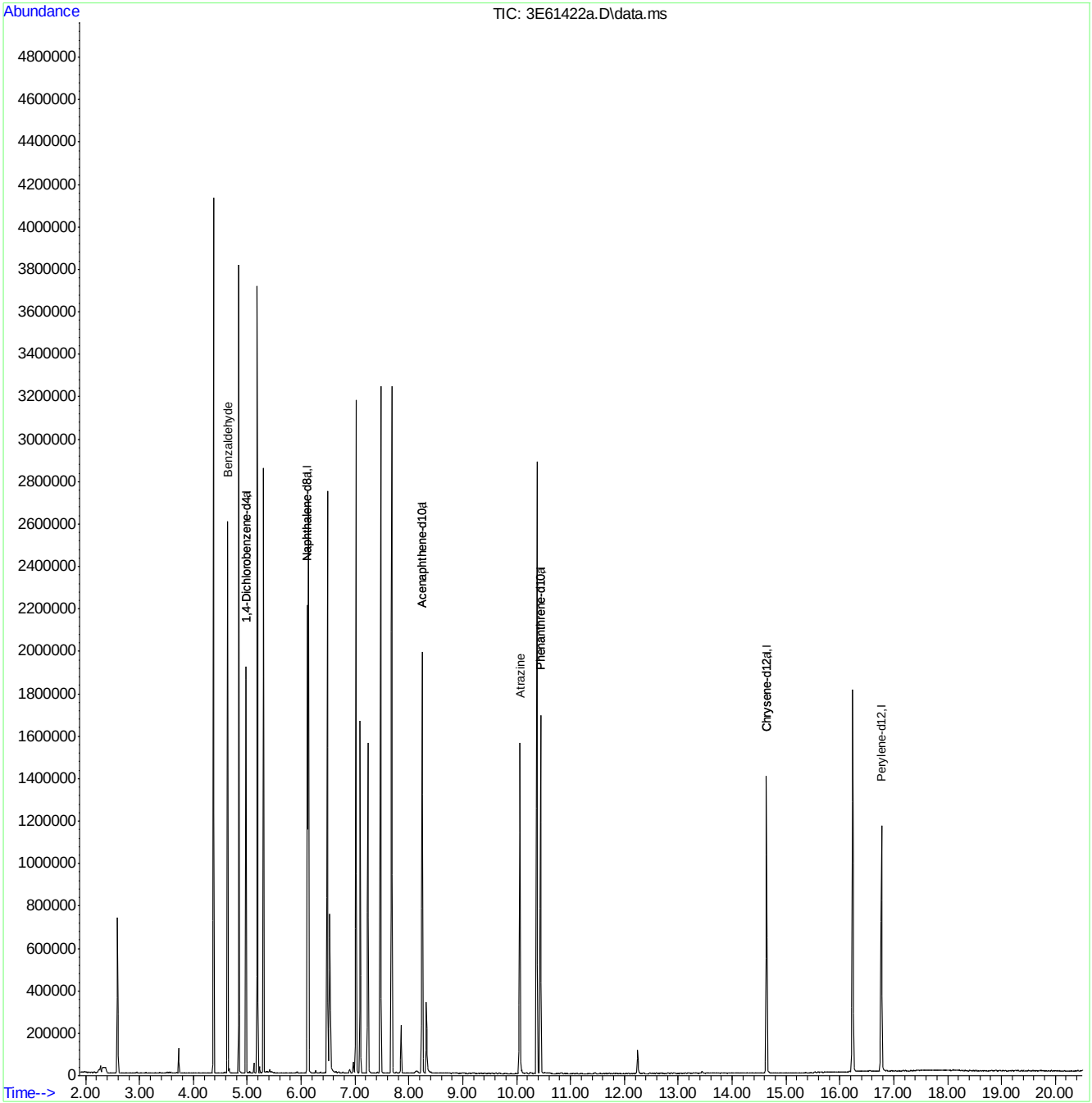
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	457333	61.72	ppb	96
107) Atrazine	10.065	215	124551	65.86	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



M3E2646.M Fri Jun 06 10:24:22 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 13:30:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration

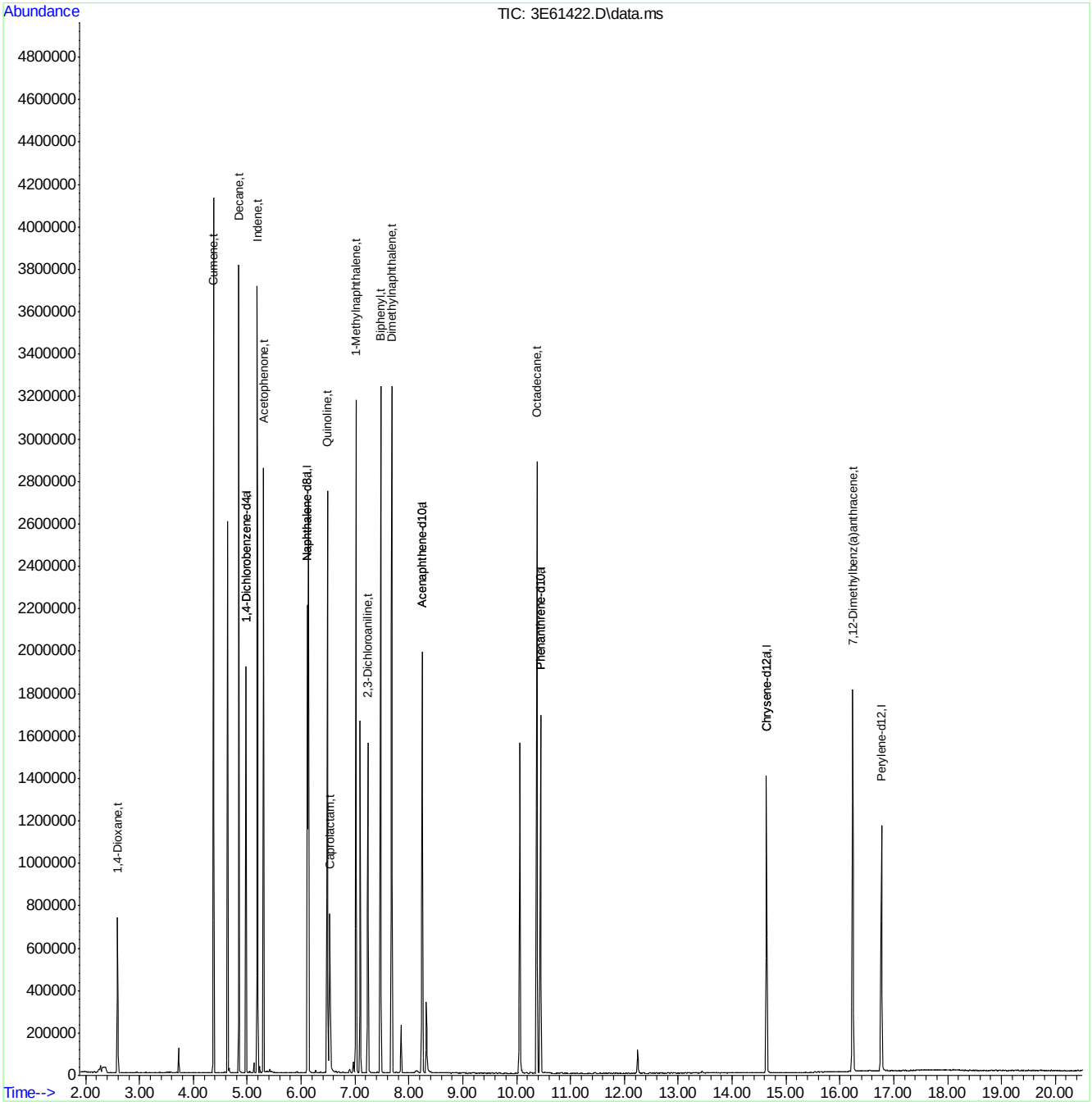
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.587	88	268976	53.80	ppb	96
6) Indene	5.187	116	981103	53.22	ppb	99
7) Cumene	4.374	105	1278485	49.23	ppb	98
13) Decane	4.845	43	539263	47.92	ppb	95
18) Acetophenone	5.299	105	711266	48.80	ppb	97
27) Quinoline	6.487	129	1017897	42.66	ppb	98
40) 2,3-Dichloroaniline	7.241	161	387168	34.37	ppb	96
41) Caprolactam	6.535	55	205088	37.82	ppb	97
45) 1-Methylnaphthalene	7.016	141	842248	40.87	ppb	97
46) Dimethylnaphthalene	7.679	156	854335	41.56	ppb	98
53) Biphenyl	7.476	154	1131295	51.57	ppb	99
82) Octadecane	10.375	57	610411	52.86	ppb	95
100) 7,12-Dimethylbenz(a)an...	16.243	256	495238	52.35	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2646-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 13:30:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 10:42:57 2014
QLast Update : Thu Jun 05 10:42:57 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	203454	40.00	ppb	-0.02
24) Naphthalene-d8	6.096	136	711655	40.00	ppb	-0.03
47) Acenaphthene-d10	8.230	164	371402	40.00	ppb	-0.03
69) Phenanthrene-d10	10.434	188	560393	40.00	ppb	-0.02
83) Chrysene-d12	14.643	240	449426	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	326554	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.957	152	203454	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.230	164	371402	40.00	ppb	-0.03
106) Phenanthrene-d10a	10.434	188	560393	40.00	ppb	-0.02
108) Chrysene-d12a	14.643	240	449426	40.00	ppb	-0.01
110) Naphthalene-d8a	6.096	136	711655	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.967	112	339154	49.33	ppb	-0.01
Spiked Amount 50.000			Recovery = 98.66%			
8) Phenol-d5	4.673	99	412071	48.38	ppb	0.00
Spiked Amount 50.000			Recovery = 96.76%			
25) Nitrobenzene-d5	5.417	82	320299	51.94	ppb	-0.02
Spiked Amount 50.000			Recovery = 103.88%			
51) 2-Fluorobiphenyl	7.326	172	515854	45.27	ppb	-0.03
Spiked Amount 50.000			Recovery = 90.54%			
73) 2,4,6-Tribromophenol	9.375	330	51894	52.91	ppb	-0.02
Spiked Amount 50.000			Recovery = 105.82%			
85) Terphenyl-d14	12.991	244	485723	51.11	ppb	-0.02
Spiked Amount 50.000			Recovery = 102.22%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.539	88	182298	49.70	ppb	98
3) Pyridine	2.860	79	449006	49.82	ppb	92
4) N-Nitrosodimethylamine	2.817	74	249345	49.76	ppb	90
6) Indene	5.171	116	664657	49.14	ppb	100
7) Cumene	4.352	105	965090	50.65	ppb	99
9) Phenol	4.684	94	477796	48.67	ppb	98
10) Aniline	4.700	93	425031	40.67	ppb	99
11) bis(2-Chloroethyl)ether	4.743	93	318164	46.06	ppb	97
12) 2-Chlorophenol	4.796	128	358318	47.02	ppb	97
13) Decane	4.823	43	442273	53.58	ppb	95
14) 1,3-Dichlorobenzene	4.914	146	387743	47.61	ppb	99
15) 1,4-Dichlorobenzene	4.973	146	383009	47.32	ppb	99
16) Benzyl alcohol	5.064	108	237963	48.64	ppb	99
17) 1,2-Dichlorobenzene	5.096	146	345634	46.08	ppb	98
18) Acetophenone	5.289	105	505898	47.31	ppb	97
19) 2-Methylphenol	5.160	108	309222	47.56	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.171	121	120578	46.99	ppb	93
21) 3&4-Methylphenol	5.283	108	336648	48.85	ppb	99
22) n-Nitroso-di-n-propyla...	5.283	70	225799	47.58	ppb	96
23) Hexachloroethane	5.385	201	106708	48.17	ppb	91
26) Nitrobenzene	5.433	77	344162	49.76	ppb	97
27) Quinoline	6.471	129	674625	47.63	ppb	100
28) Isophorone	5.647	82	579272	48.89	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.722	139	188111	56.45	ppb	97
30) 2,4-Dimethylphenol	5.754	107	287298	54.87	ppb	97
31) Benzoic acid	5.866	105	224467	47.57	ppb	100
32) bis(2-Chloroethoxy)met...	5.834	93	335835	47.28	ppb	99
33) 2,4-Dichlorophenol	5.957	162	239703	48.91	ppb	98
34) 2,6-Dichlorophenol	6.182	162	221704	46.62	ppb	99
35) 1,3,5-Trichlorobenzene	5.738	180	311547	48.62	ppb	100
36) 1,2,4-Trichlorobenzene	6.037	180	247188	45.99	ppb	98
37) 1,2,3-Trichlorobenzene	6.267	180	258467	45.86	ppb	99
38) Naphthalene	6.118	128	879703	45.72	ppb	100
39) 4-Chloroaniline	6.166	127	359404	44.72	ppb	98
40) 2,3-Dichloroaniline	7.219	161	312622	46.76	ppb	98
41) Caprolactam	6.561	55	184974m	57.46	ppb	
42) Hexachlorobutadiene	6.246	225	114966	46.92	ppb	99
43) 4-Chloro-3-methylphenol	6.701	107	262434	50.49	ppb	96
44) 2-Methylnaphthalene	6.877	141	520391	46.50	ppb	98
45) 1-Methylnaphthalene	7.000	141	584627	47.80	ppb	100
46) Dimethylnaphthalene	7.663	156	569748	46.70	ppb	99
48) Hexachlorocyclopentadiene	7.075	237	262739	103.56	ppb	98
49) 2,4,6-Trichlorophenol	7.225	196	146926	50.24	ppb	97
50) 2,4,5-Trichlorophenol	7.278	196	149234	48.73	ppb	98
52) 2-Chloronaphthalene	7.481	162	465930	44.34	ppb	100
53) Biphenyl	7.455	154	761842	47.63	ppb	100
54) 2-Nitroaniline	7.610	65	181525	54.74	ppb	93
55) Dimethylphthalate	7.861	163	516091	46.33	ppb	99
56) Acenaphthylene	8.032	152	800709	46.86	ppb	99
57) 2,6-Dinitrotoluene	7.941	165	126118	48.95	ppb	98
58) 3-Nitroaniline	8.171	138	156655	51.40	ppb	99
59) Acenaphthene	8.273	153	500318	45.76	ppb	99
60) 2,4-Dinitrophenol	8.327	184	118273	94.53	ppb	88
61) 4-Nitrophenol	8.434	109	81324	52.06	ppb	93
62) Dibenzofuran	8.519	168	649489	44.54	ppb	97
63) 2,4-Dinitrotoluene	8.514	165	171575	48.53	ppb	81
64) 2,3,4,6-Tetrachlorophenol	8.706	232	111736	51.54	ppb	96
65) Diethylphthalate	8.872	149	539113	48.95	ppb	98
66) Fluorene	9.017	166	570560	47.38	ppb	99
67) 4-Chlorophenyl-phenyle...	9.022	204	228266	46.01	ppb	95
68) 4-Nitroaniline	9.054	138	135895	43.54	ppb	96
70) 4,6-Dinitro-2-methylph...	9.113	198	79300	51.59	ppb	98
71) n-Nitrosodiphenylamine	9.204	169	369865	46.56	ppb	98
72) 1,2-Diphenylhydrazine	9.263	77	615861	48.82	ppb	97
74) 4-Bromophenyl-phenylether	9.760	248	119880	45.98	ppb	99
75) Hexachlorobenzene	9.856	284	120563	44.01	ppb	94
76) Pentachlorophenol	10.161	266	165375	99.17	ppb	98
77) Phenanthrene	10.471	178	704278	44.55	ppb	99
78) Anthracene	10.546	178	705975	45.69	ppb	98
79) Carbazole	10.814	167	814035	47.49	ppb	100
80) Di-n-butylphthalate	11.423	149	927507	52.55	ppb	99
81) Fluoranthene	12.343	202	763627	47.57	ppb	100
82) Octadecane	10.354	57	512116	57.36	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
84) Pyrene	12.696	202	789939	51.45 ppb	100
86) Butylbenzylphthalate	13.809	149	416733	49.81 ppb	100
87) Butyl stearate	13.964	56	319372	64.02 ppb	98
88) Benzo[a]anthracene	14.622	228	672780	48.42 ppb	100
89) 3,3'-Dichlorobenzidine	14.611	252	232318	47.63 ppb	98
90) Chrysene	14.681	228	479528	41.98 ppb	98
91) bis(2-Ethylhexyl)phtha...	14.766	149	519455	56.32 ppb	100
93) Di-n-octylphthalate	15.750	149	925550	56.96 ppb	97
94) Benzo[b]fluoranthene	16.237	252	623341	56.51 ppb	100
95) Benzo[k]fluoranthene	16.280	252	423504	42.68 ppb	99
96) Benzo[a]pyrene	16.686	252	453476	50.01 ppb	98
97) Indeno[1,2,3-cd]pyrene	18.494	276	516074	55.68 ppb	86
98) Dibenz(a,h)acridine	18.093	279	432043	48.35 ppb	98
99) Dibenz[a,h]anthracene	18.532	278	401089	44.97 ppb	99
100) 7,12-Dimethylbenz(a)an...	16.237	256	295566	49.33 ppb	97
101) Benzo[g,h,i]perylene	18.992	276	402593	44.85 ppb	96

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

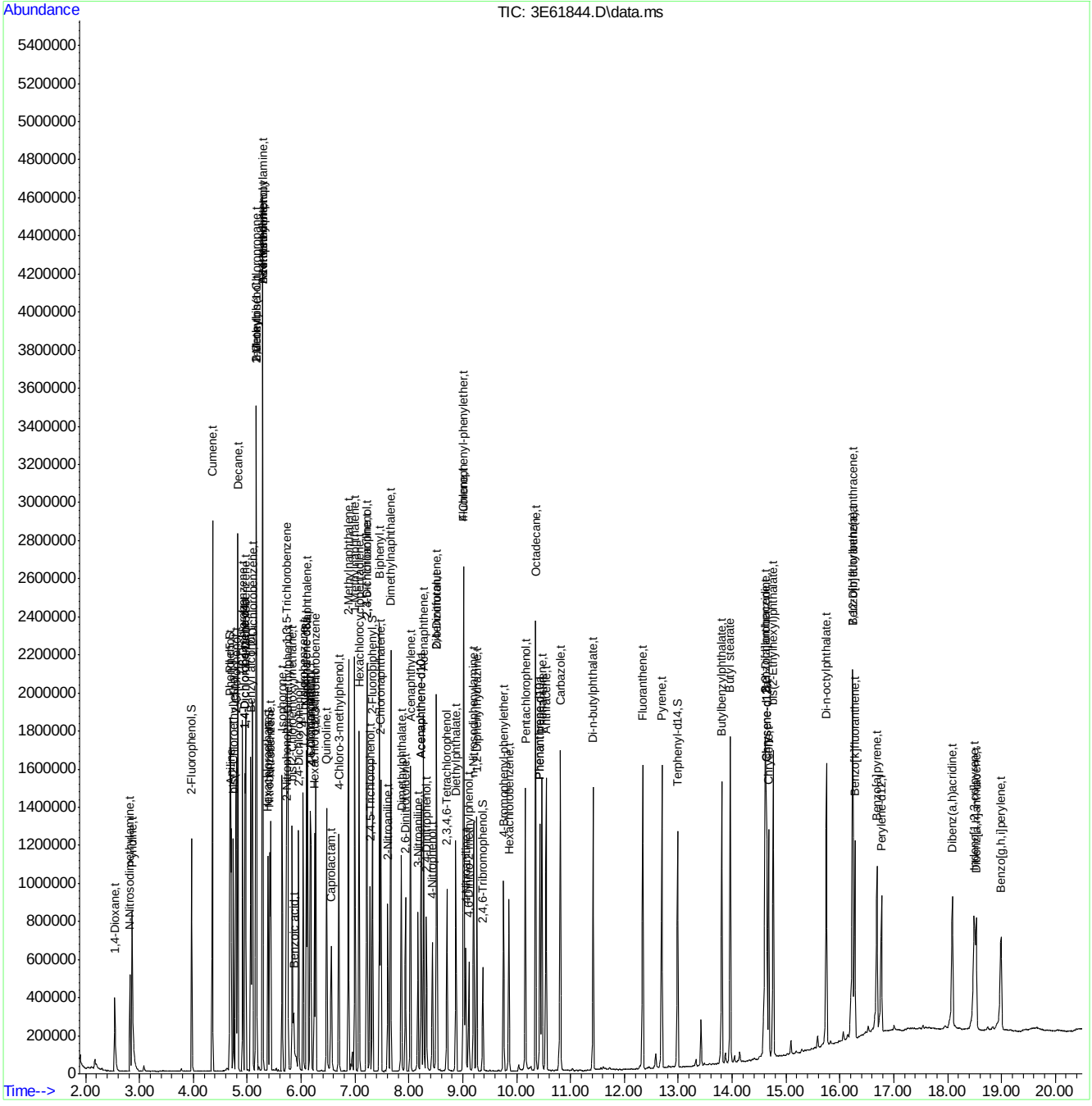
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

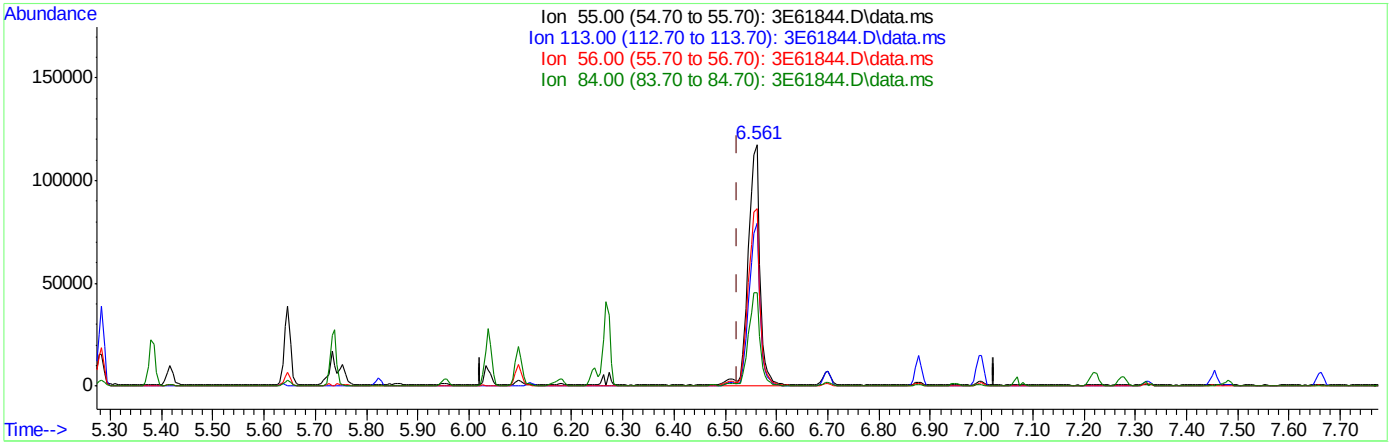


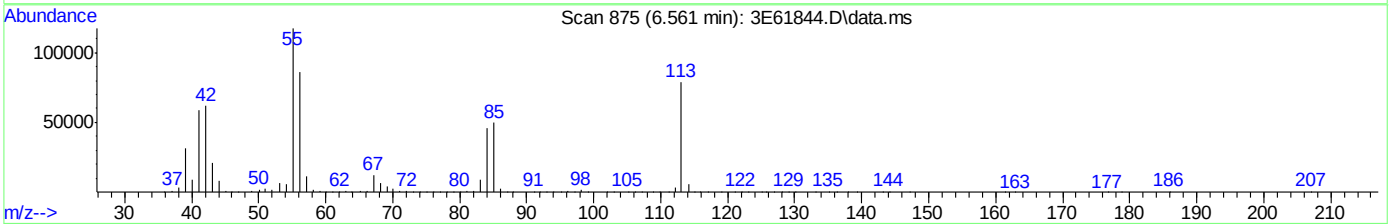
ACCUTEST LABORATORIES JB68173

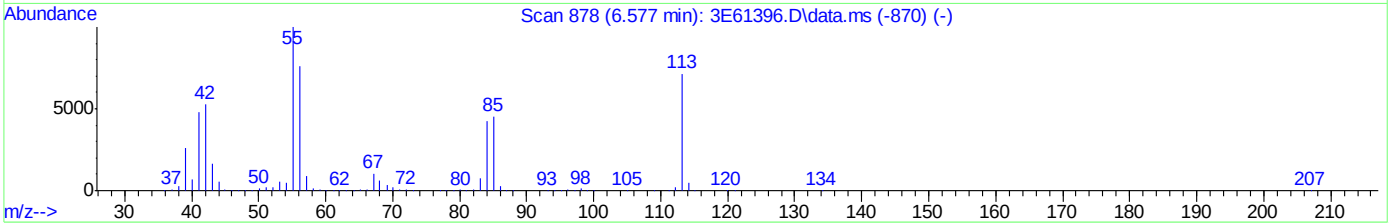
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 12:40:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration







TIC: 3E61844.D\data.ms

(41) Caprolactam (t)

6.561min (+0.037) 57.46ppb m

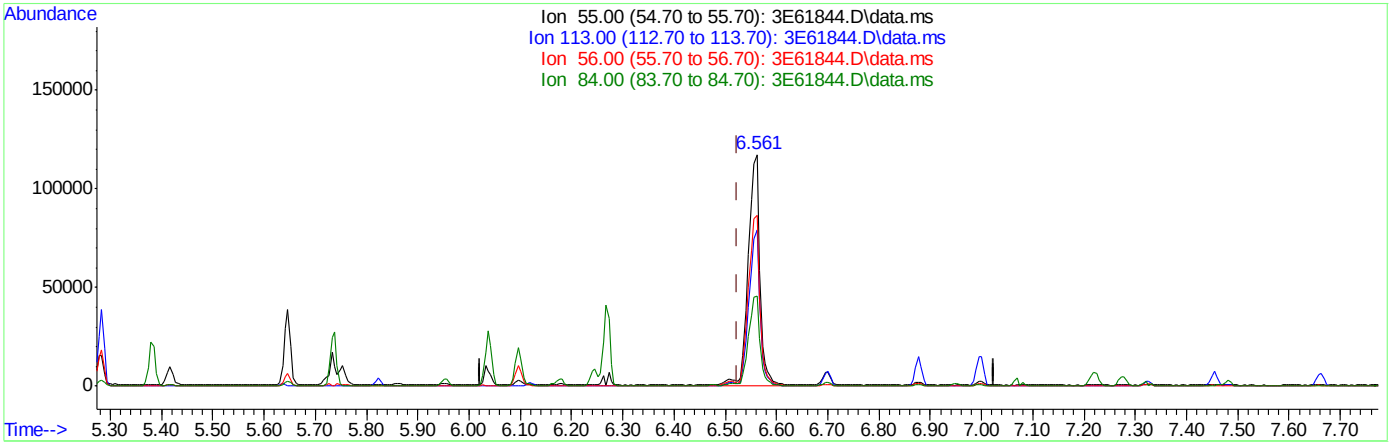
response 184974

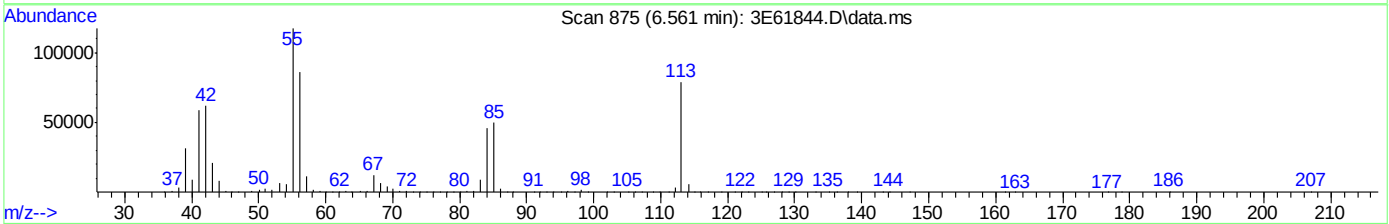
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113.00	71.50	67.47
56.00	76.10	73.49
84.00	42.20	38.84

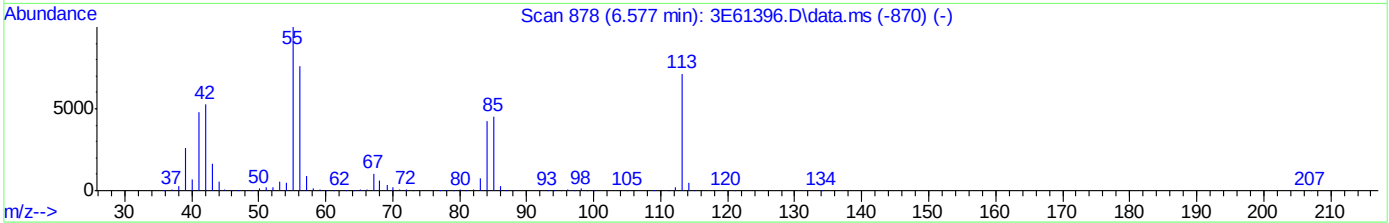
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61844.D
Acq On : 9 Jun 2014 9:19 am
Operator : saumilp
Sample : CC2646-50
Misc : op74977,e3e2653
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:43:20 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration







TIC: 3E61844.D\data.ms

(41) Caprolactam (t)

6.561min (+0.037) 57.46ppb m

response 184974

Ion	Exp%	Act%
55.00	100	100
113.00	71.50	67.47
56.00	76.10	73.49
84.00	42.20	38.84

9.6.26.2
JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61845.D
Acq On : 9 Jun 2014 9:47 am
Operator : saumilp
Sample : CC2647-50
Misc : op74977,e3e2653
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 15:28:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

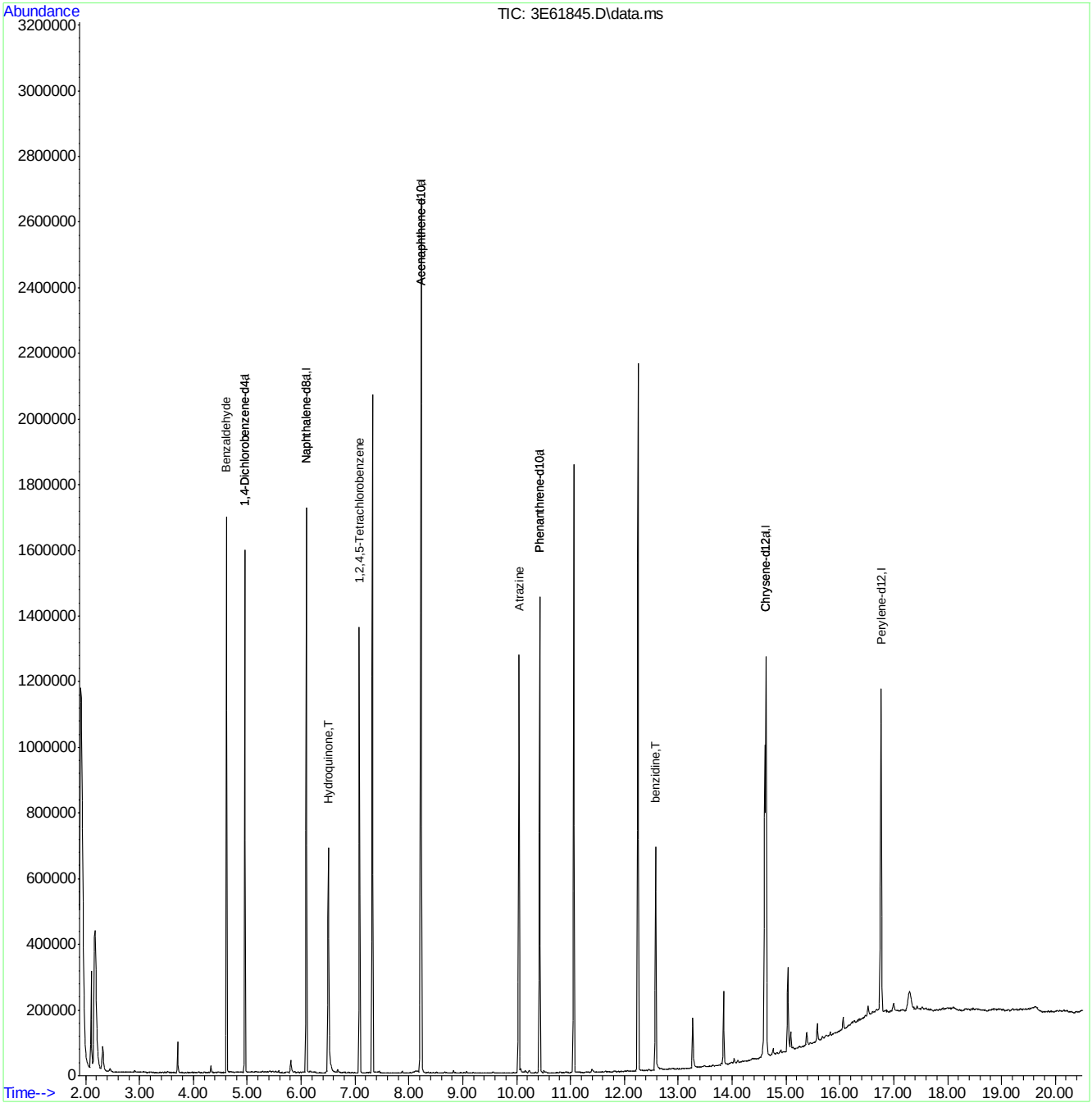
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.957	152	201167	40.00	ppb	-0.02
24) Naphthalene-d8	6.096	136	786796	40.00	ppb	-0.03
47) Acenaphthene-d10	8.225	164	421488	40.00	ppb	-0.03
69) Phenanthrene-d10	10.429	188	627737	40.00	ppb	-0.03
83) Chrysene-d12	14.633	240	505747	40.00	ppb	-0.03
92) Perylene-d12	16.767	264	413744	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	4.957	152	201167	40.00	ppb	-0.02
104) Acenaphthene-d10a	8.225	164	421488	40.00	ppb	-0.03
106) Phenanthrene-d10a	10.429	188	627737	40.00	ppb	-0.03
108) Chrysene-d12a	14.633	240	505747	40.00	ppb	-0.02
110) Naphthalene-d8a	6.096	136	786796	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.615	105	259254	48.23	ppb	95
105) 1,2,4,5-Tetrachloroben...	7.086	216	237534	46.43	ppb	100
107) Atrazine	10.044	215	90618	55.32	ppb	89
109) benzidine	12.579	184	316335	34.02	ppb	98
111) Hydroquinone	6.503	110	355101	59.62	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2653\
Data File : 3E61845.D
Acq On : 9 Jun 2014 9:47 am
Operator : saumilp
Sample : CC2647-50
Misc : op74977,e3e2653
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 15:28:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61978.D
Acq On : 12 Jun 2014 10:29 am
Operator : harpreek
Sample : cc2646-25
Misc : op75429,e3e2658
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 10:55:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.919	152	191706	40.00	ppb		-0.05
24) Naphthalene-d8	6.053	136	712377	40.00	ppb		-0.05
47) Acenaphthene-d10	8.177	164	381336	40.00	ppb		-0.06
69) Phenanthrene-d10	10.380	188	578302	40.00	ppb		-0.06
83) Chrysene-d12	14.584	240	470366	40.00	ppb		-0.06
92) Perylene-d12	16.718	264	357958	40.00	ppb		-0.06
102) 1,4-Dichlorobenzene-d4a	4.919	152	191706	40.00	ppb		-0.05
104) Acenaphthene-d10a	8.177	164	381336	40.00	ppb		-0.06
106) Phenanthrene-d10a	10.380	188	578302	40.00	ppb		-0.06
108) Chrysene-d12a	14.584	240	470366	40.00	ppb		-0.06
110) Naphthalene-d8a	6.053	136	712377	40.00	ppb		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	3.930	112	160989	24.85	ppb		-0.04
Spiked Amount 50.000			Recovery = 49.70%				
8) Phenol-d5	4.636	99	205012	25.54	ppb		-0.04
Spiked Amount 50.000			Recovery = 51.08%				
25) Nitrobenzene-d5	5.374	82	171867	27.84	ppb		-0.05
Spiked Amount 50.000			Recovery = 55.68%				
51) 2-Fluorobiphenyl	7.278	172	274320	23.45	ppb		-0.06
Spiked Amount 50.000			Recovery = 46.90%				
73) 2,4,6-Tribromophenol	9.321	330	28459	28.12	ppb		-0.06
Spiked Amount 50.000			Recovery = 56.24%				
85) Terphenyl-d14	12.937	244	246243	24.76	ppb		-0.06
Spiked Amount 50.000			Recovery = 49.52%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.502	88	85364	24.70	ppb		96
3) Pyridine	2.823	79	217452	25.61	ppb		83
4) N-Nitrosodimethylamine	2.780	74	120455	25.51	ppb		78
6) Indene	5.128	116	342980	26.91	ppb		97
7) Cumene	4.315	105	489097	27.24	ppb		97
9) Phenol	4.641	94	240692	26.02	ppb		92
10) Aniline	4.663	93	218983	22.24	ppb		98
11) bis(2-Chloroethyl)ether	4.705	93	159252	24.47	ppb		95
12) 2-Chlorophenol	4.759	128	180037	25.07	ppb		97
13) Decane	4.786	43	267631	34.41	ppb		86
14) 1,3-Dichlorobenzene	4.877	146	189056	24.64	ppb		99
15) 1,4-Dichlorobenzene	4.930	146	187232	24.55	ppb		98
16) Benzyl alcohol	5.026	108	118817	25.77	ppb		96
17) 1,2-Dichlorobenzene	5.058	146	173314	24.52	ppb		97
18) Acetophenone	5.246	105	271241	26.92	ppb		92
19) 2-Methylphenol	5.117	108	159157	25.98	ppb		100
20) 2,2'-oxybis(1-Chloropr...	5.128	121	61388	25.39	ppb	#	46
21) 3&4-Methylphenol	5.240	108	174100	26.81	ppb		99
22) n-Nitroso-di-n-propyla...	5.240	70	127665	28.55	ppb		89
23) Hexachloroethane	5.342	201	53660	25.70	ppb		96
26) Nitrobenzene	5.390	77	185338	26.77	ppb		95
27) Quinoline	6.428	129	355913	25.10	ppb		100
28) Isophorone	5.604	82	313947	26.47	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61978.D
Acq On : 12 Jun 2014 10:29 am
Operator : harpreek
Sample : cc2646-25
Misc : op75429,e3e2658
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 10:55:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.679	139	95163	28.53	ppb		93
30) 2,4-Dimethylphenol	5.711	107	142107	27.11	ppb		100
31) Benzoic acid	5.802	105	123530	27.72	ppb		96
32) bis(2-Chloroethoxy)met...	5.791	93	174177	24.49	ppb		98
33) 2,4-Dichlorophenol	5.909	162	123803	25.24	ppb		99
34) 2,6-Dichlorophenol	6.134	162	118720	24.94	ppb		97
35) 1,3,5-Trichlorobenzene	5.695	180	156725	24.43	ppb		99
36) 1,2,4-Trichlorobenzene	5.994	180	124965	23.23	ppb		98
37) 1,2,3-Trichlorobenzene	6.224	180	137421	24.36	ppb		100
38) Naphthalene	6.075	128	465328	24.16	ppb		99
39) 4-Chloroaniline	6.123	127	185297	23.03	ppb		98
40) 2,3-Dichloroaniline	7.171	161	163707	24.46	ppb		99
41) Caprolactam	6.497	55	100397	31.16	ppb		96
42) Hexachlorobutadiene	6.203	225	61610	25.12	ppb		99
43) 4-Chloro-3-methylphenol	6.652	107	138298	26.58	ppb		99
44) 2-Methylnaphthalene	6.829	141	274744	24.52	ppb		98
45) 1-Methylnaphthalene	6.947	141	306675	25.05	ppb		99
46) Dimethylnaphthalene	7.610	156	295440	24.19	ppb		99
48) Hexachlorocyclopentadiene	7.027	237	133631	51.30	ppb		99
49) 2,4,6-Trichlorophenol	7.177	196	77564	25.83	ppb		99
50) 2,4,5-Trichlorophenol	7.225	196	80565	25.62	ppb		98
52) 2-Chloronaphthalene	7.433	162	249938	23.16	ppb		97
53) Biphenyl	7.407	154	398934	24.29	ppb		99
54) 2-Nitroaniline	7.562	65	100975	29.66	ppb		88
55) Dimethylphthalate	7.813	163	276981	24.22	ppb		100
56) Acenaphthylene	7.979	152	428573	24.43	ppb		98
57) 2,6-Dinitrotoluene	7.888	165	67034	25.58	ppb		96
58) 3-Nitroaniline	8.118	138	80791	25.82	ppb		95
59) Acenaphthene	8.225	153	266941	23.78	ppb		97
60) 2,4-Dinitrophenol	8.273	184	64940	55.98	ppb	#	78
61) 4-Nitrophenol	8.385	109	44541	27.77	ppb		94
62) Dibenzofuran	8.466	168	345608	23.08	ppb		97
63) 2,4-Dinitrotoluene	8.460	165	90967	25.35	ppb		73
64) 2,3,4,6-Tetrachlorophenol	8.653	232	58810	26.42	ppb		93
65) Diethylphthalate	8.824	149	286212	25.31	ppb		99
66) Fluorene	8.963	166	290427	23.49	ppb		99
67) 4-Chlorophenyl-phenyle...	8.974	204	120323	23.62	ppb		95
68) 4-Nitroaniline	9.000	138	71254	22.23	ppb		95
70) 4,6-Dinitro-2-methylph...	9.059	198	43829	27.63	ppb		97
71) n-Nitrosodiphenylamine	9.150	169	190539	23.24	ppb		99
72) 1,2-Diphenylhydrazine	9.209	77	341581	26.24	ppb		94
74) 4-Bromophenyl-phenylether	9.706	248	62268	23.14	ppb		94
75) Hexachlorobenzene	9.803	284	64756	22.91	ppb		91
76) Pentachlorophenol	10.108	266	93480	54.32	ppb		100
77) Phenanthrene	10.412	178	368448	22.59	ppb		99
78) Anthracene	10.493	178	373335	23.42	ppb		99
79) Carbazole	10.760	167	424647	24.01	ppb		99
80) Di-n-butylphthalate	11.370	149	486052	26.68	ppb		98
81) Fluoranthene	12.290	202	392051	23.66	ppb		97
82) Octadecane	10.300	57	286423	31.09	ppb		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61978.D
Acq On : 12 Jun 2014 10:29 am
Operator : harpreek
Sample : cc2646-25
Misc : op75429,e3e2658
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 10:55:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	12.637	202	406419	25.29	ppb	99
86) Butylbenzylphthalate	13.761	149	214402	25.79	ppb	97
87) Butyl stearate	13.916	56	179479	34.38	ppb	93
88) Benzo[a]anthracene	14.568	228	342515	23.55	ppb	100
89) 3,3'-Dichlorobenzidine	14.558	252	116479	22.82	ppb	98
90) Chrysene	14.622	228	283446	23.71	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.718	149	275475	28.54	ppb	97
93) Di-n-octylphthalate	15.708	149	490266	29.34	ppb	95
94) Benzo[b]fluoranthene	16.184	252	314349	26.00	ppb	98
95) Benzo[k]fluoranthene	16.221	252	266118	24.47	ppb	99
96) Benzo[a]pyrene	16.633	252	249406	25.09	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.409	276	247035	24.32	ppb	99
98) Dibenz(a,h)acridine	18.018	279	238622	24.36	ppb	96
99) Dibenz[a,h]anthracene	18.451	278	222281	22.74	ppb	97
100) 7,12-Dimethylbenz(a)an...	16.184	256	141865	25.15	ppb	95
101) Benzo[g,h,i]perylene	18.901	276	227290	23.10	ppb	97

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

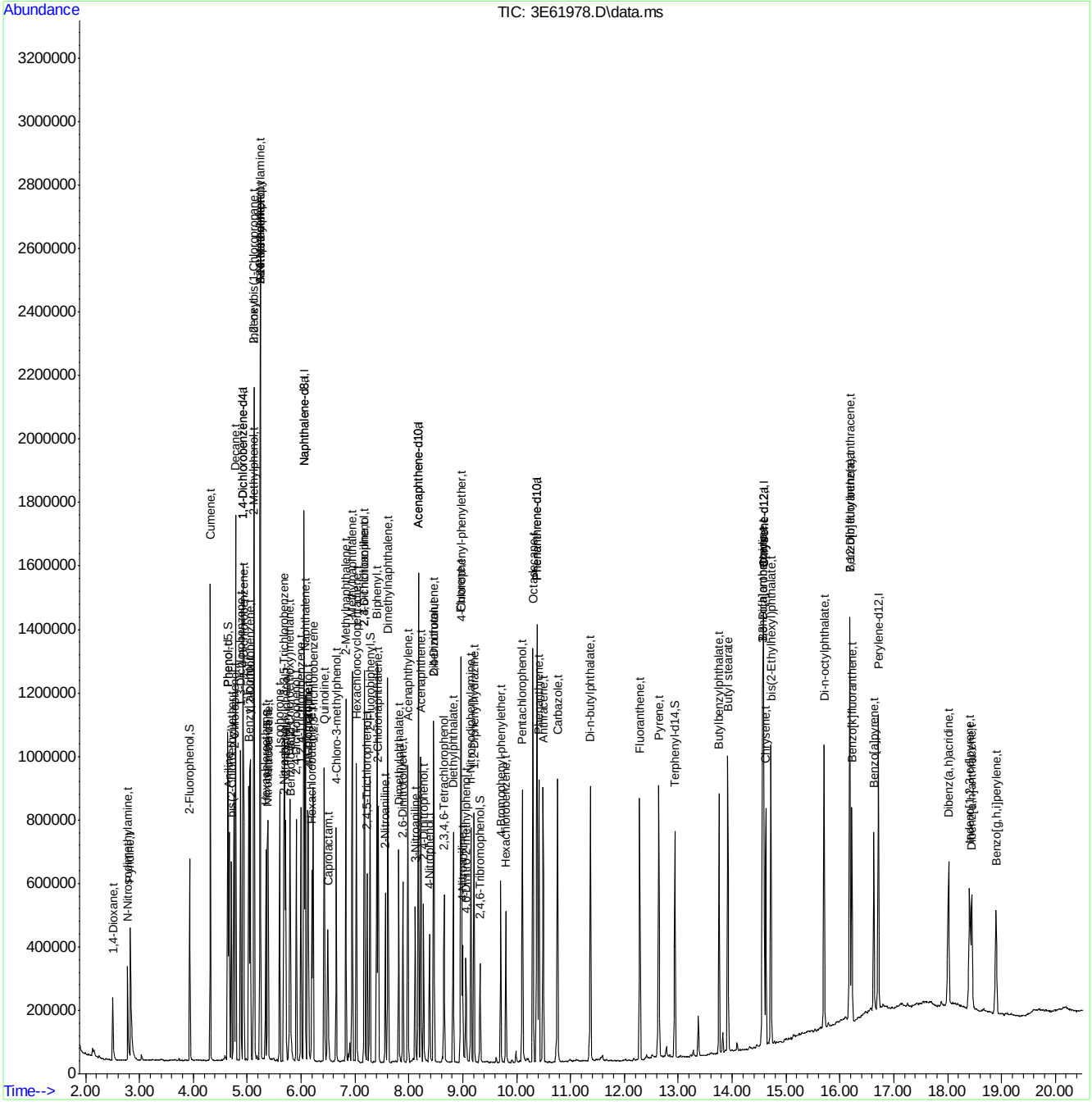
9.6.28

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61978.D
Acq On : 12 Jun 2014 10:29 am
Operator : harpreek
Sample : cc2646-25
Misc : op75429,e3e2658
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 10:55:32 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoWed Jun 11 14:25:06 2014
QLast Update : Wed Jun 11 14:25:06 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61979.D
Acq On : 12 Jun 2014 11:00 am
Operator : harpreek
Sample : cc2647-25
Misc : op75429,e3e2658
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 14:05:16 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 12 13:53:45 2014
QLast Update : Thu Jun 12 13:53:45 2014
Response via : Initial Calibration

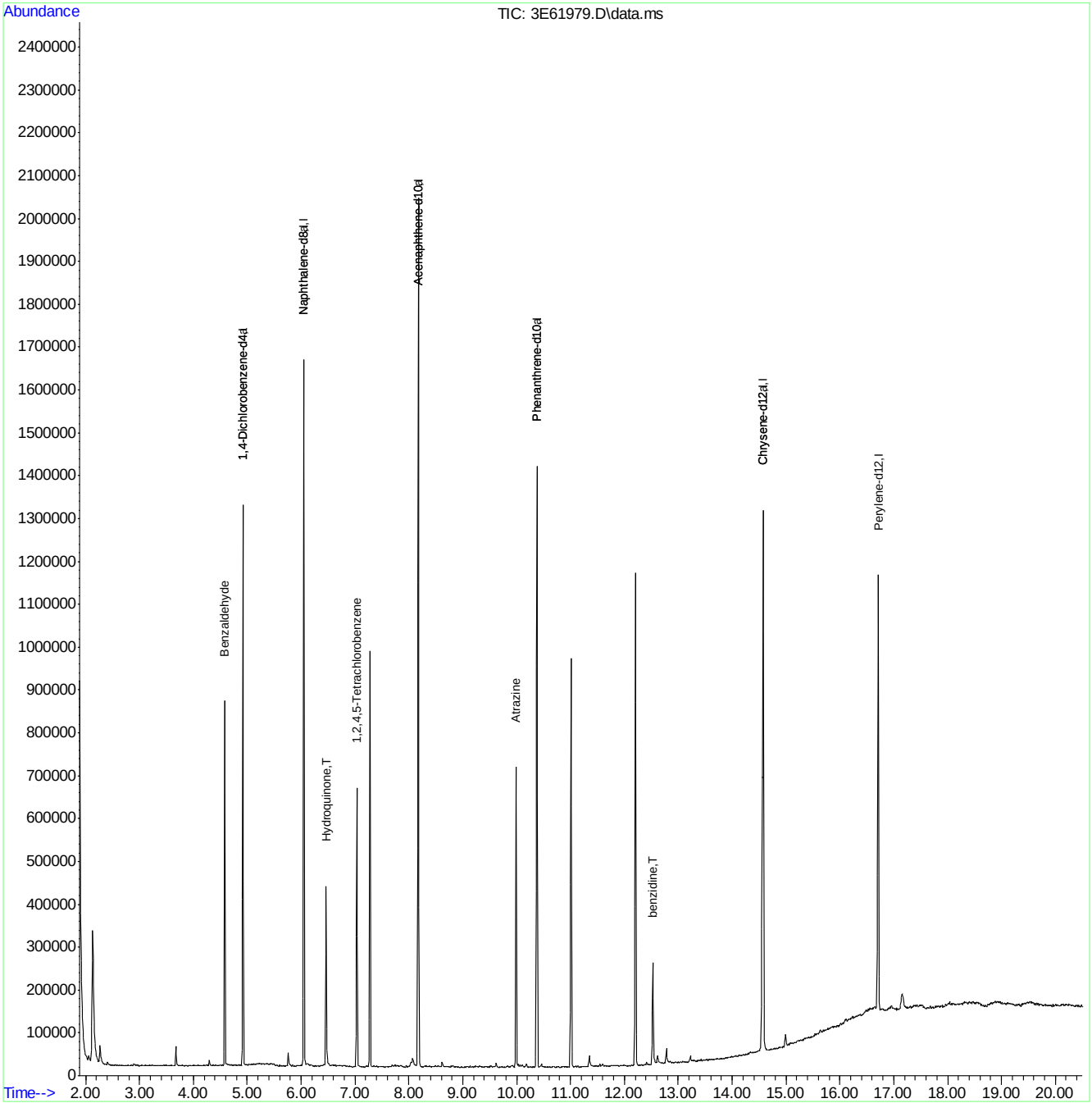
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.919	152	177294	40.00	ppb	0.00
24) Naphthalene-d8	6.048	136	699539	40.00	ppb	0.00
47) Acenaphthene-d10	8.177	164	383673	40.00	ppb	0.00
69) Phenanthrene-d10	10.375	188	588323	40.00	ppb	0.00
83) Chrysene-d12	14.579	240	492300	40.00	ppb	0.00
92) Perylene-d12	16.713	264	413037	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.919	152	177294	40.00	ppb	0.00
104) Acenaphthene-d10a	8.177	164	383673	40.00	ppb	0.00
106) Phenanthrene-d10a	10.375	188	588323	40.00	ppb	0.00
108) Chrysene-d12a	14.579	240	492300	40.00	ppb	0.00
110) Naphthalene-d8a	6.048	136	699539	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%		
Target Compounds						Qvalue
103) Benzaldehyde	4.577	105	130508	27.55	ppb	91
105) 1,2,4,5-Tetrachloroben...	7.037	216	111882	24.02	ppb	99
107) Atrazine	9.995	215	44116	28.74	ppb	97
109) benzidine	12.530	184	117746	13.01	ppb	95
111) Hydroquinone	6.460	110	168324	31.79	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2658\
Data File : 3E61979.D
Acq On : 12 Jun 2014 11:00 am
Operator : harpreek
Sample : cc2647-25
Misc : op75429,e3e2658
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 14:05:16 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 12 13:53:45 2014
QLast Update : Thu Jun 12 13:53:45 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 12 17:58:01 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62033.D
Acq On : 13 Jun 2014 12:42 pm
Operator : olgaa
Sample : cc2646-25
Misc : op75470,e3e2660,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:26:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.898	152	139936	40.00	ppb		-0.01
24) Naphthalene-d8	6.027	136	524100	40.00	ppb		-0.02
47) Acenaphthene-d10	8.150	164	283492	40.00	ppb		-0.01
69) Phenanthrene-d10	10.354	188	441807	40.00	ppb		0.00
83) Chrysene-d12	14.563	240	356690	40.00	ppb		0.00
92) Perylene-d12	16.692	264	289078	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.898	152	139936	40.00	ppb		-0.01
104) Acenaphthene-d10a	8.150	164	283492	40.00	ppb		-0.01
106) Phenanthrene-d10a	10.354	188	441807	40.00	ppb		0.00
108) Chrysene-d12a	14.563	240	356690	40.00	ppb		0.00
110) Naphthalene-d8a	6.027	136	524100	40.00	ppb		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.930	112	114730	24.26	ppb		0.00
Spiked Amount 50.000			Recovery = 48.52%				
8) Phenol-d5	4.636	99	144688	24.70	ppb		0.00
Spiked Amount 50.000			Recovery = 49.40%				
25) Nitrobenzene-d5	5.358	82	122477	26.97	ppb		-0.01
Spiked Amount 50.000			Recovery = 53.94%				
51) 2-Fluorobiphenyl	7.252	172	210605	24.21	ppb		-0.01
Spiked Amount 50.000			Recovery = 48.42%				
73) 2,4,6-Tribromophenol	9.300	330	20492	26.50	ppb		0.00
Spiked Amount 50.000			Recovery = 53.00%				
85) Terphenyl-d14	12.910	244	180759	23.96	ppb		0.00
Spiked Amount 50.000			Recovery = 47.92%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	60097	23.82	ppb		96
3) Pyridine	2.807	79	146386	23.62	ppb		87
4) N-Nitrosodimethylamine	2.764	74	80649	23.40	ppb		70
6) Indene	5.107	116	252030	27.09	ppb		98
7) Cumene	4.294	105	352472	26.90	ppb		96
9) Phenol	4.647	94	164550	24.37	ppb	#	51
10) Aniline	4.647	93	147363	20.50	ppb	#	30
11) bis(2-Chloroethyl)ether	4.684	93	112301	23.64	ppb		91
12) 2-Chlorophenol	4.743	128	130934	24.98	ppb		93
13) Decane	4.764	43	187165	32.96	ppb		88
14) 1,3-Dichlorobenzene	4.855	146	137651	24.57	ppb		100
15) 1,4-Dichlorobenzene	4.914	146	136930	24.59	ppb		98
16) Benzyl alcohol	5.010	108	82206	24.43	ppb		96
17) 1,2-Dichlorobenzene	5.037	146	128030	24.81	ppb		97
18) Acetophenone	5.224	105	191360	26.02	ppb		96
19) 2-Methylphenol	5.112	108	112454	25.15	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.112	121	43980	24.92	ppb	#	46
21) 3&4-Methylphenol	5.235	108	118452	24.99	ppb		96
22) n-Nitroso-di-n-propyla...	5.219	70	88283	27.04	ppb		90
23) Hexachloroethane	5.315	201	39504	25.92	ppb		95
26) Nitrobenzene	5.374	77	131012	25.72	ppb		99
27) Quinoline	6.401	129	261627	25.08	ppb		98
28) Isophorone	5.577	82	217748	24.95	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62033.D
Acq On : 13 Jun 2014 12:42 pm
Operator : olgaa
Sample : cc2646-25
Misc : op75470,e3e2660,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:26:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	5.658	139	68957	28.10	ppb		93
30) 2,4-Dimethylphenol	5.700	107	100201	25.98	ppb		98
31) Benzoic acid	5.786	105	67981	21.61	ppb		96
32) bis(2-Chloroethoxy)met...	5.770	93	122586	23.43	ppb		100
33) 2,4-Dichlorophenol	5.898	162	89162	24.71	ppb		99
34) 2,6-Dichlorophenol	6.118	162	87469	24.97	ppb		97
35) 1,3,5-Trichlorobenzene	5.668	180	114882	24.34	ppb		97
36) 1,2,4-Trichlorobenzene	5.973	180	92931	23.48	ppb		99
37) 1,2,3-Trichlorobenzene	6.198	180	102333	24.66	ppb		98
38) Naphthalene	6.048	128	346829	24.48	ppb		99
39) 4-Chloroaniline	6.102	127	133551	22.56	ppb		97
40) 2,3-Dichloroaniline	7.150	161	121803	24.74	ppb		99
41) Caprolactam	6.471	55	67157	28.33	ppb		96
42) Hexachlorobutadiene	6.171	225	46925	26.00	ppb		97
43) 4-Chloro-3-methylphenol	6.647	107	97246	25.41	ppb		99
44) 2-Methylnaphthalene	6.802	141	203787	24.72	ppb		99
45) 1-Methylnaphthalene	6.920	141	233239	25.89	ppb		98
46) Dimethylnaphthalene	7.583	156	223468	24.87	ppb		98
48) Hexachlorocyclopentadiene	6.995	237	97626	50.41	ppb		99
49) 2,4,6-Trichlorophenol	7.161	196	56385	25.26	ppb		97
50) 2,4,5-Trichlorophenol	7.214	196	59199	25.32	ppb		99
52) 2-Chloronaphthalene	7.407	162	188675	23.52	ppb		98
53) Biphenyl	7.380	154	304584	24.95	ppb		99
54) 2-Nitroaniline	7.546	65	69359	27.40	ppb		97
55) Dimethylphthalate	7.786	163	209244	24.61	ppb		99
56) Acenaphthylene	7.952	152	321970	24.69	ppb		99
57) 2,6-Dinitrotoluene	7.867	165	50385	25.85	ppb		98
58) 3-Nitroaniline	8.102	138	62231	26.75	ppb		96
59) Acenaphthene	8.193	153	203874	24.43	ppb		99
60) 2,4-Dinitrophenol	8.257	184	47670	55.42	ppb	#	90
61) 4-Nitrophenol	8.407	109	30590	25.65	ppb		99
62) Dibenzofuran	8.439	168	268088	24.09	ppb		99
63) 2,4-Dinitrotoluene	8.439	165	68586	25.70	ppb		88
64) 2,3,4,6-Tetrachlorophenol	8.637	232	42421	25.63	ppb		97
65) Diethylphthalate	8.797	149	214610	25.53	ppb		98
66) Fluorene	8.936	166	224200	24.39	ppb		99
67) 4-Chlorophenyl-phenyle...	8.942	204	91655	24.20	ppb		95
68) 4-Nitroaniline	8.985	138	58646	24.62	ppb		98
70) 4,6-Dinitro-2-methylph...	9.038	198	33256	27.44	ppb		95
71) n-Nitrosodiphenylamine	9.124	169	146624	23.41	ppb		99
72) 1,2-Diphenylhydrazine	9.177	77	240761	24.21	ppb		93
74) 4-Bromophenyl-phenylether	9.674	248	46751	22.75	ppb		95
75) Hexachlorobenzene	9.771	284	47460	21.98	ppb		96
76) Pentachlorophenol	10.092	266	54168	41.20	ppb		99
77) Phenanthrene	10.386	178	327150	26.25	ppb		98
78) Anthracene	10.466	178	294440	24.17	ppb		99
79) Carbazole	10.744	167	334931	24.78	ppb		98
80) Di-n-butylphthalate	11.343	149	359064	25.80	ppb		99
81) Fluoranthene	12.263	202	390675	30.87	ppb		98
82) Octadecane	10.268	57	199986	28.41	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62033.D
Acq On : 13 Jun 2014 12:42 pm
Operator : olgaa
Sample : cc2646-25
Misc : op75470,e3e2660,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:26:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration

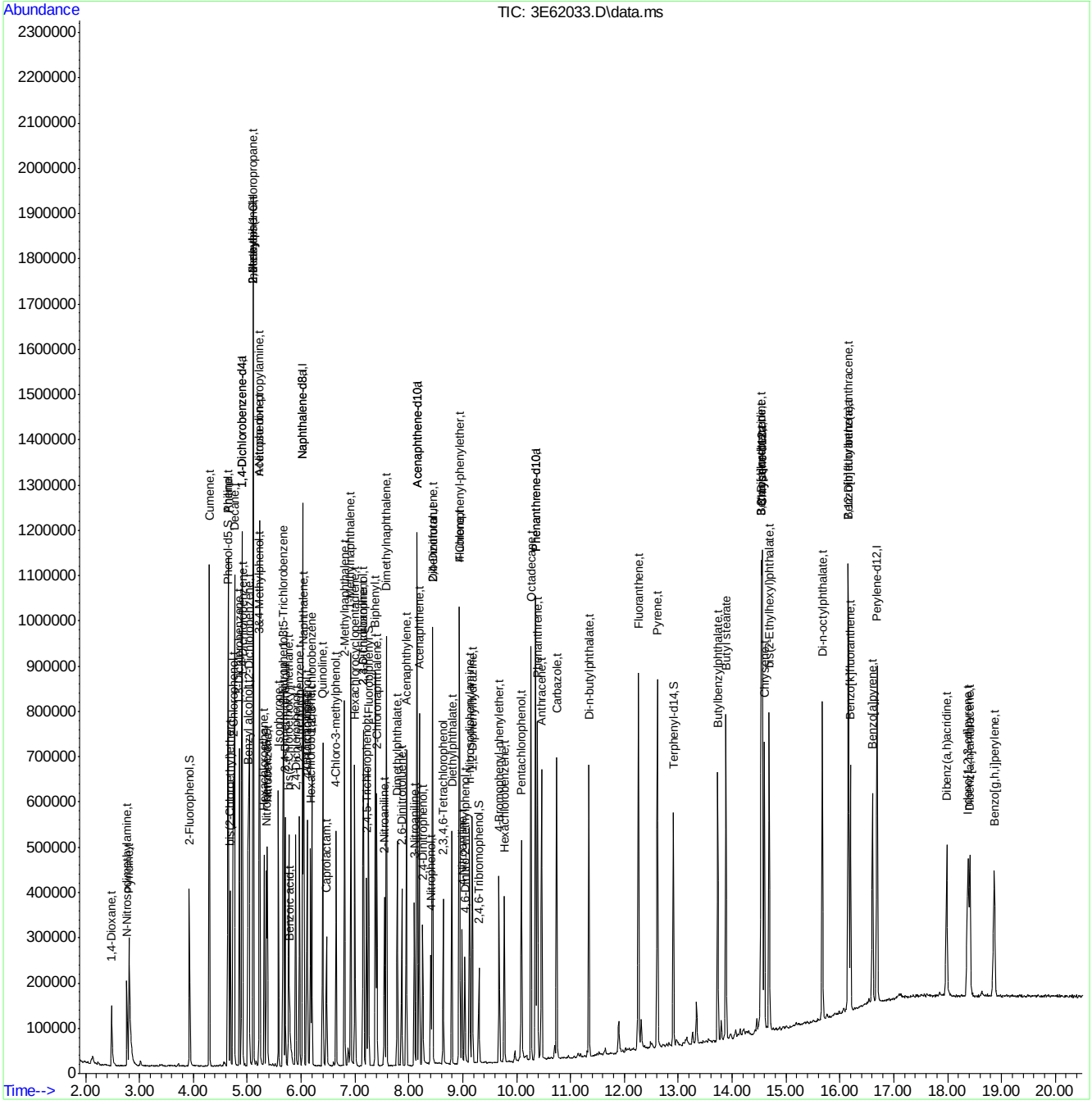
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
84) Pyrene	12.616	202	388390	31.87 ppb	99
86) Butylbenzylphthalate	13.734	149	159861	25.40 ppb	98
87) Butyl stearate	13.884	56	125874	31.79 ppb	95
88) Benzo[a]anthracene	14.542	228	320904	29.10 ppb	100
89) 3,3'-Dichlorobenzidine	14.542	252	97109	25.09 ppb	97
90) Chrysene	14.601	228	257779	28.43 ppb	99
91) bis(2-Ethylhexyl)phtha...	14.686	149	214059	29.24 ppb	97
93) Di-n-octylphthalate	15.676	149	372890	27.78 ppb	96
94) Benzo[b]fluoranthene	16.157	252	254272	26.04 ppb	100
95) Benzo[k]fluoranthene	16.200	252	224296	25.53 ppb	99
96) Benzo[a]pyrene	16.606	252	204816	25.52 ppb	99
97) Indeno[1,2,3-cd]pyrene	18.377	276	242620	29.57 ppb	94
98) Dibenz(a,h)acridine	17.986	279	201283	25.45 ppb	96
99) Dibenz[a,h]anthracene	18.414	278	188696	23.90 ppb	98
100) 7,12-Dimethylbenz(a)an...	16.157	256	114897	25.21 ppb	95
101) Benzo[g,h,i]perylene	18.863	276	188843	23.77 ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2660\
Data File : 3E62033.D
Acq On : 13 Jun 2014 12:42 pm
Operator : olgaa
Sample : cc2646-25
Misc : op75470,e3e2660,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:26:13 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 13 12:30:25 2014
QLast Update : Fri Jun 13 12:30:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

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

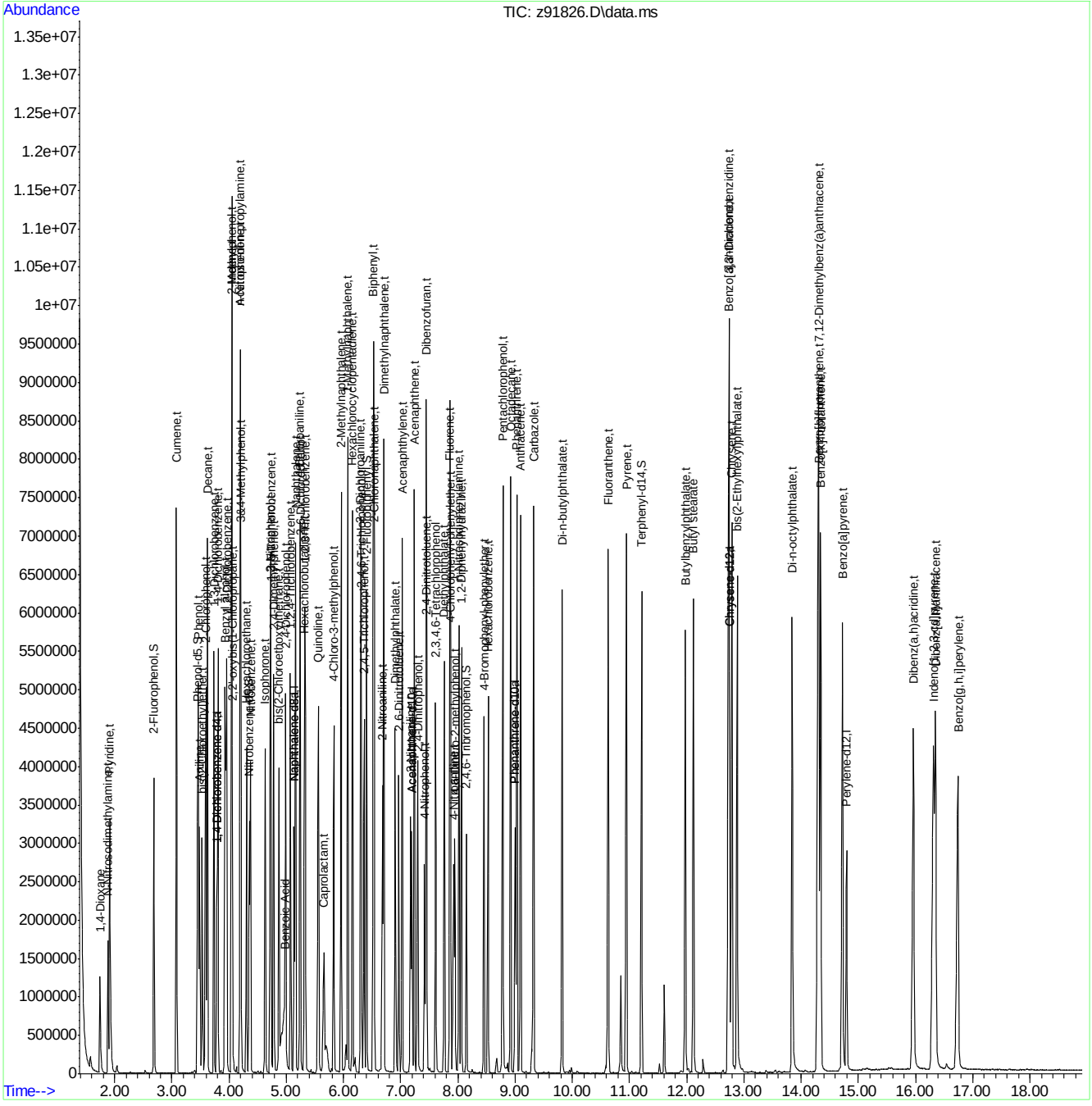
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	9.096	178	3442482	100.00	ppb	100
79)	Carbazole	9.325	167	3716352	100.00	ppb	100
80)	Di-n-butylphthalate	9.822	149	3923026	100.00	ppb	100
81)	Fluoranthene	10.629	202	3614218	100.00	ppb	100
82)	Octadecane	8.925	57	1681781	100.00	ppb	100
84)	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

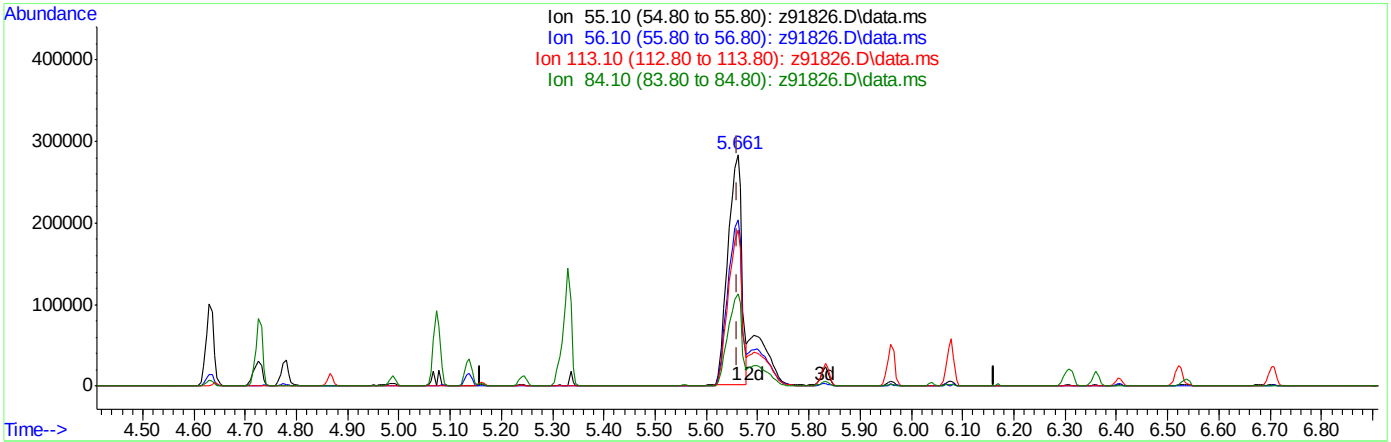
Sample Number: EZ4569-IC4569
Lab FileID: Z91826.D
Injection Time: 05/24/14 10:56
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 05/30/14 12:25 Nina Pandya

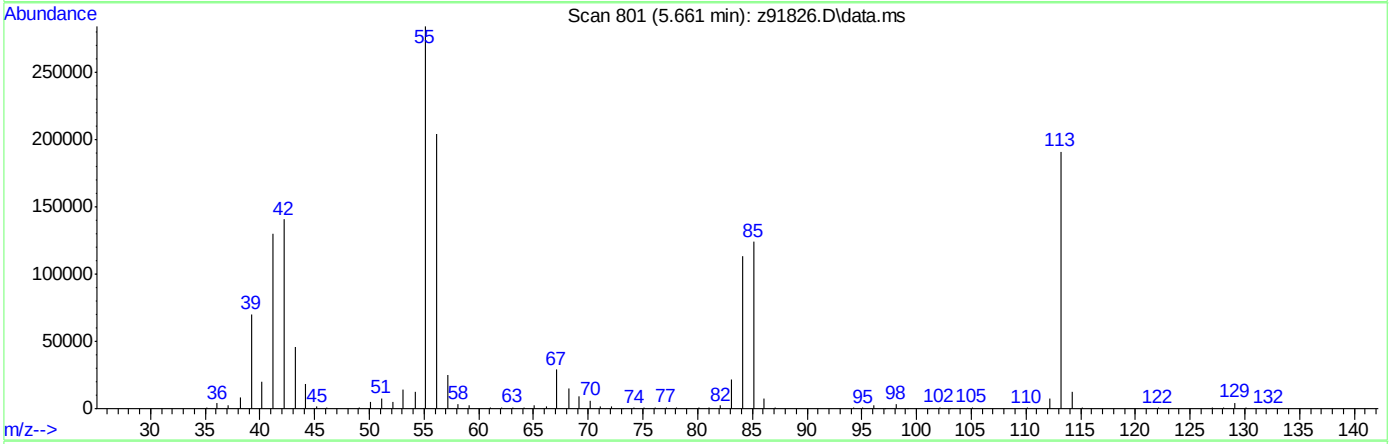
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.97	Poor instrument integration
Caprolactam	105-60-2		5.66	Poor instrument integration

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

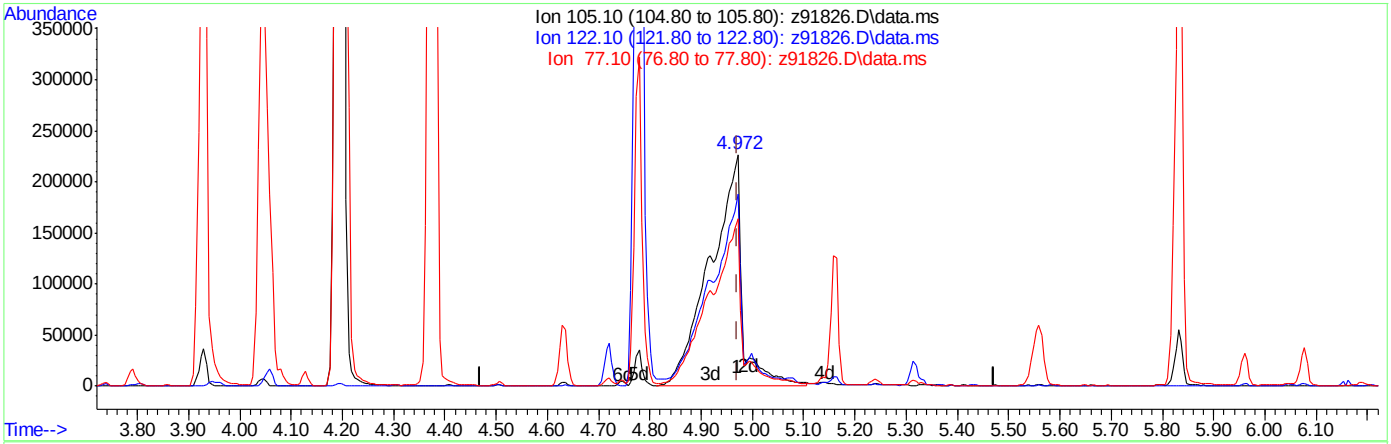
response 529842

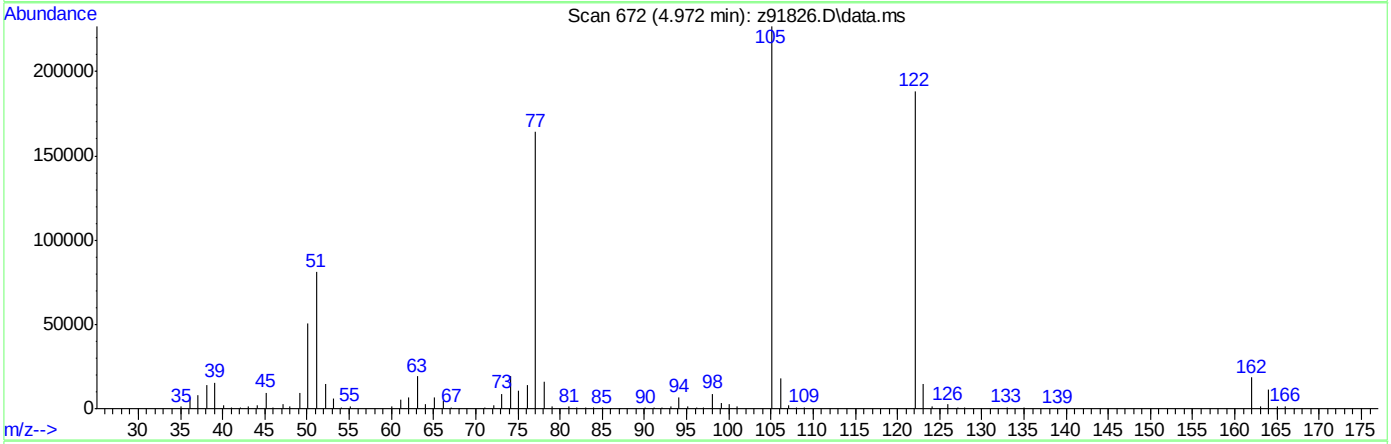
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.42
113.10	67.30	67.26
84.10	40.00	40.33

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

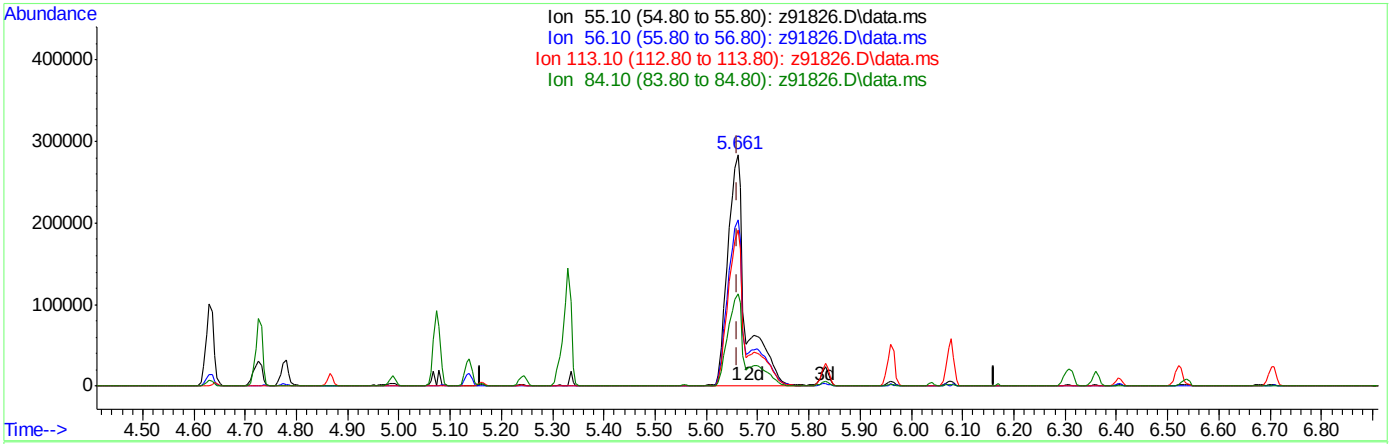
response 985093

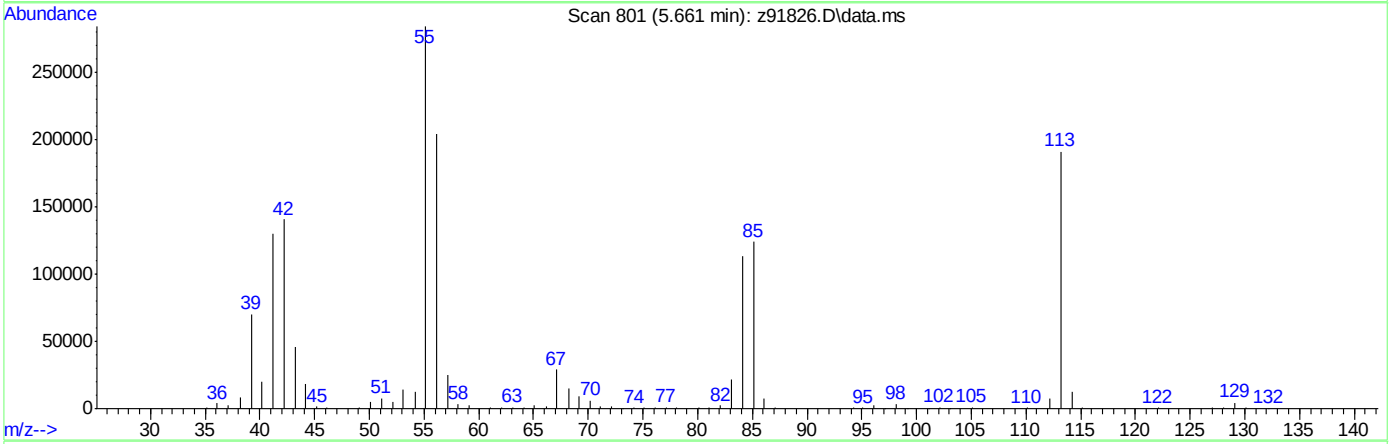
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	45.44#
77.10	33.90	39.90
0.00	0.00	0.00

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

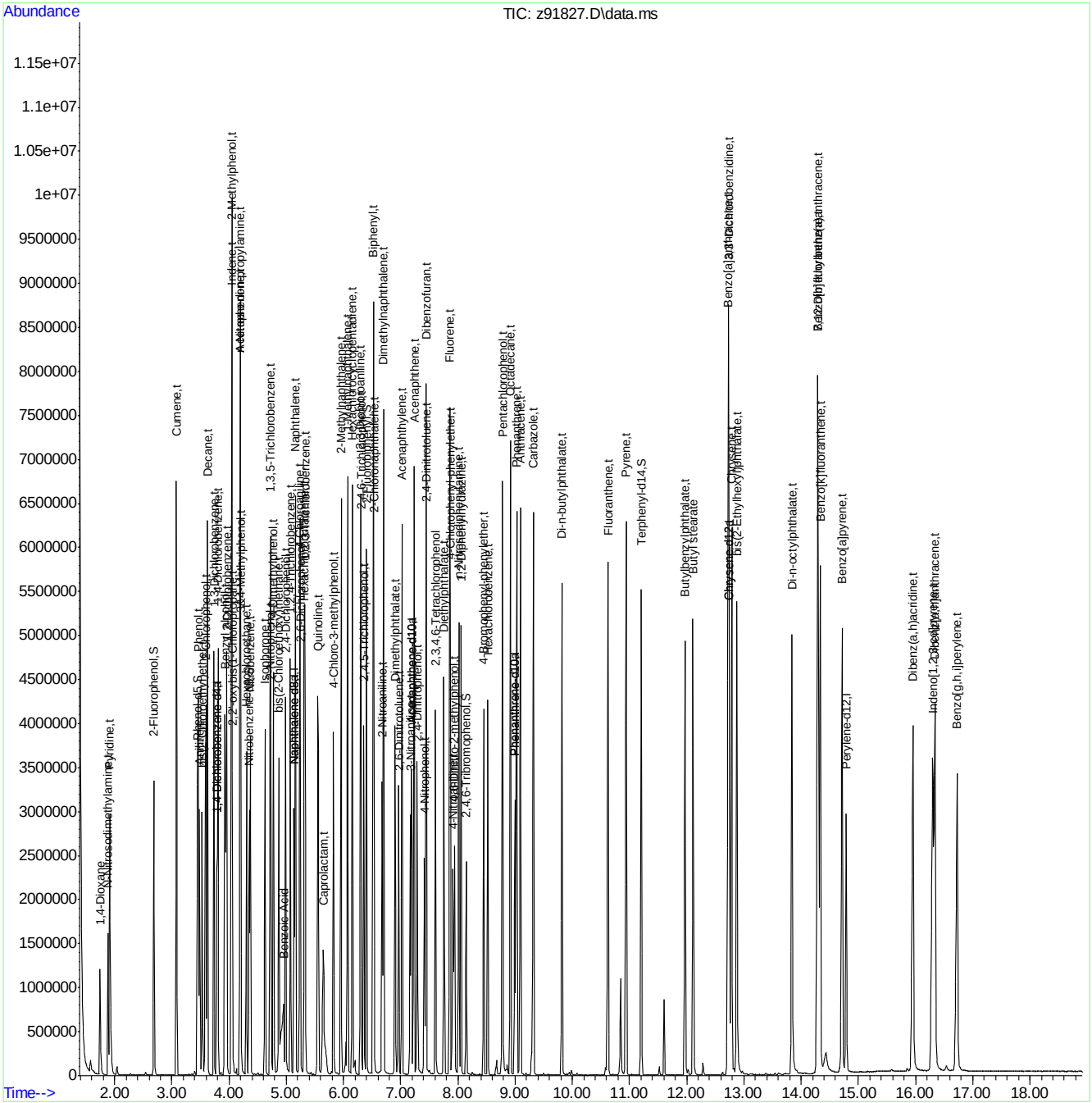
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.096	178	2927804	77.01	ppb	99
79) Carbazole	9.320	167	3133884	82.62	ppb	99
80) Di-n-butylphthalate	9.817	149	3342162	81.14	ppb	100
81) Fluoranthene	10.629	202	3043655	78.27	ppb	97
82) Octadecane	8.920	57	1473317	80.65	ppb	99
84) Pyrene	10.944	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

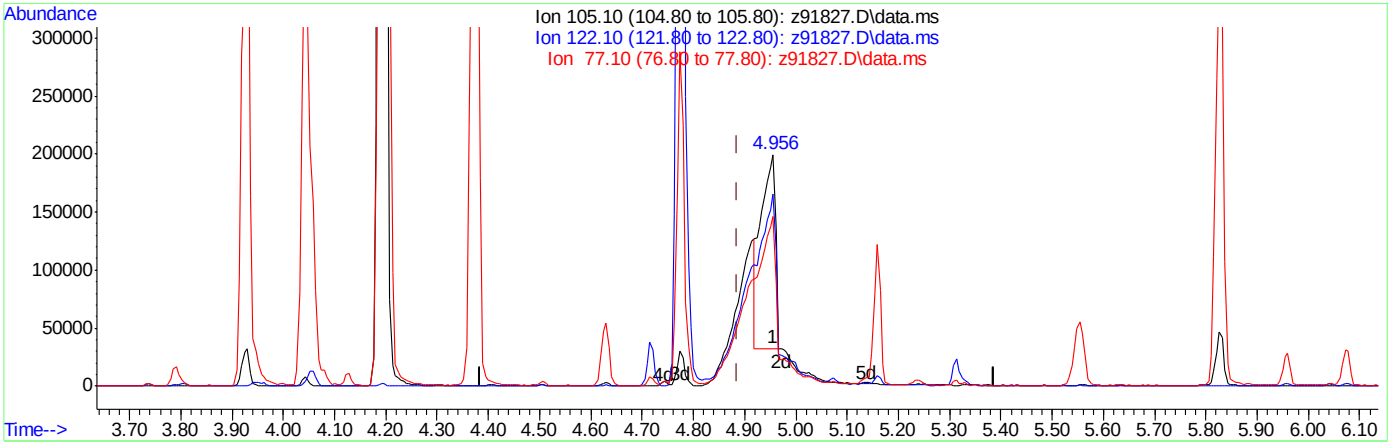
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91827.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 11:21	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

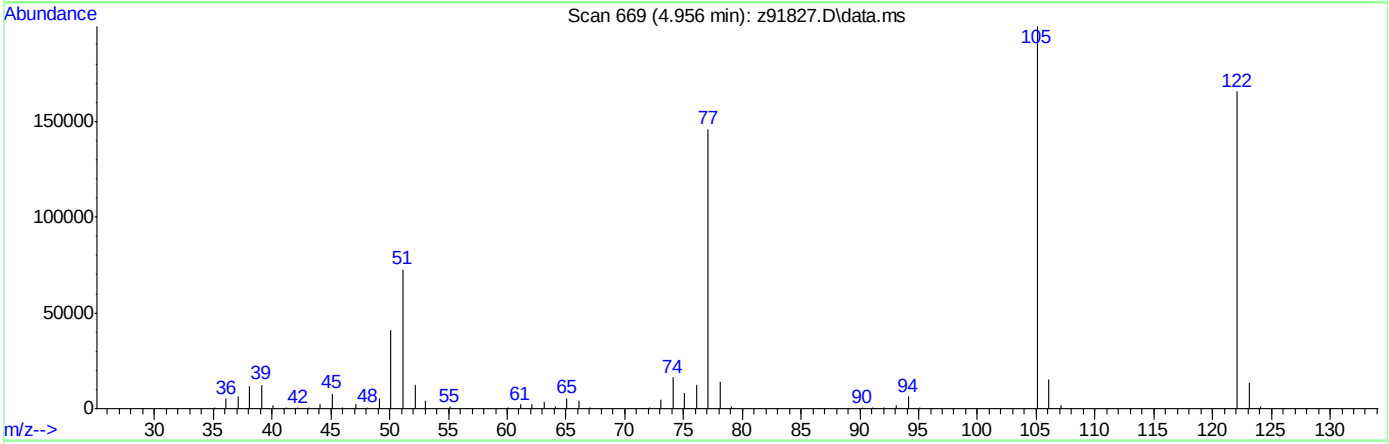
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.96	Poor instrument integration
Caprolactam	105-60-2		5.65	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		14.34	Poor instrument integration

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

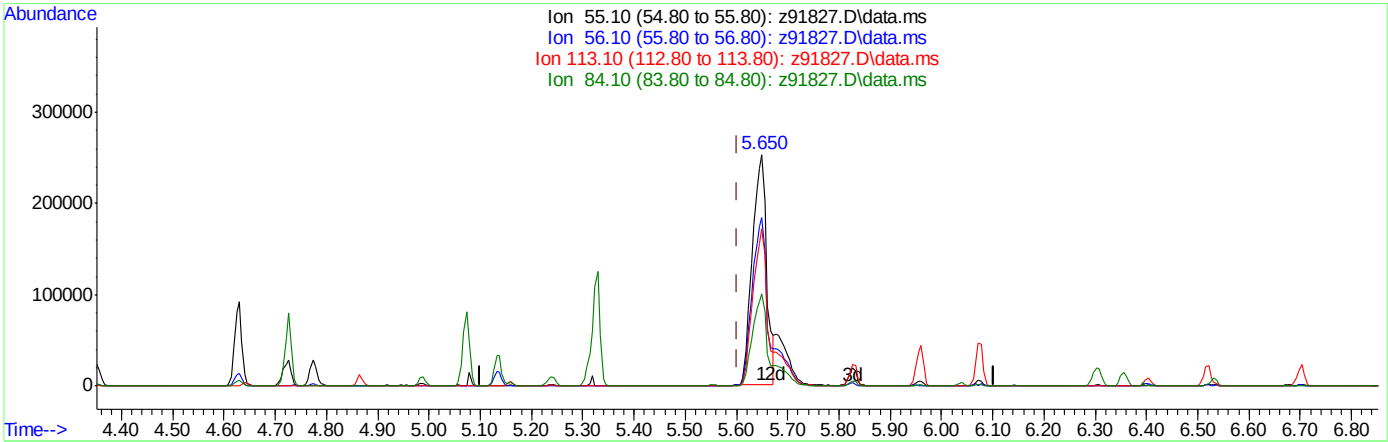
response 328069

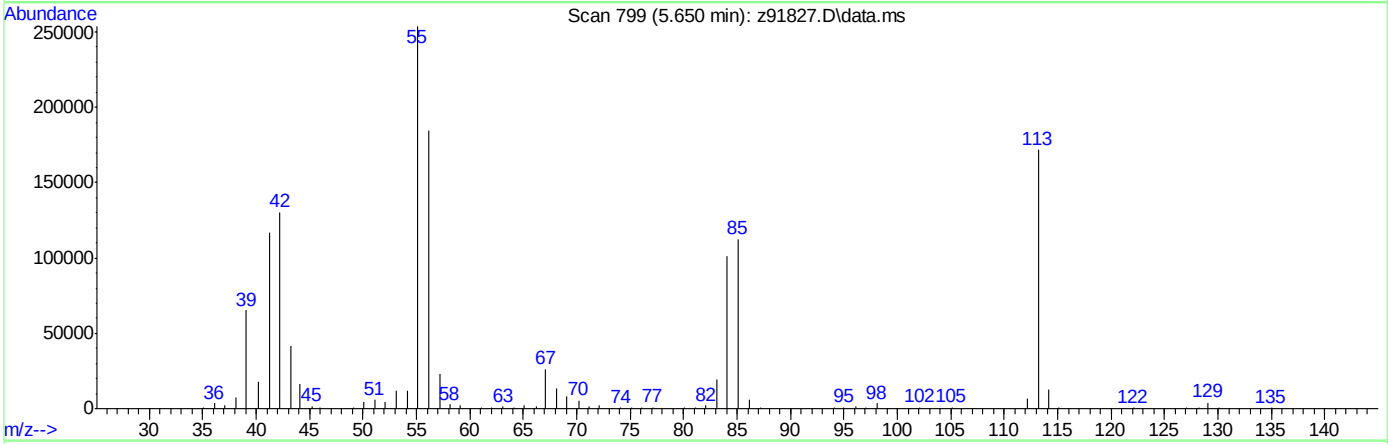
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	97.60
77.10	33.90	162.19#
0.00	0.00	0.00

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

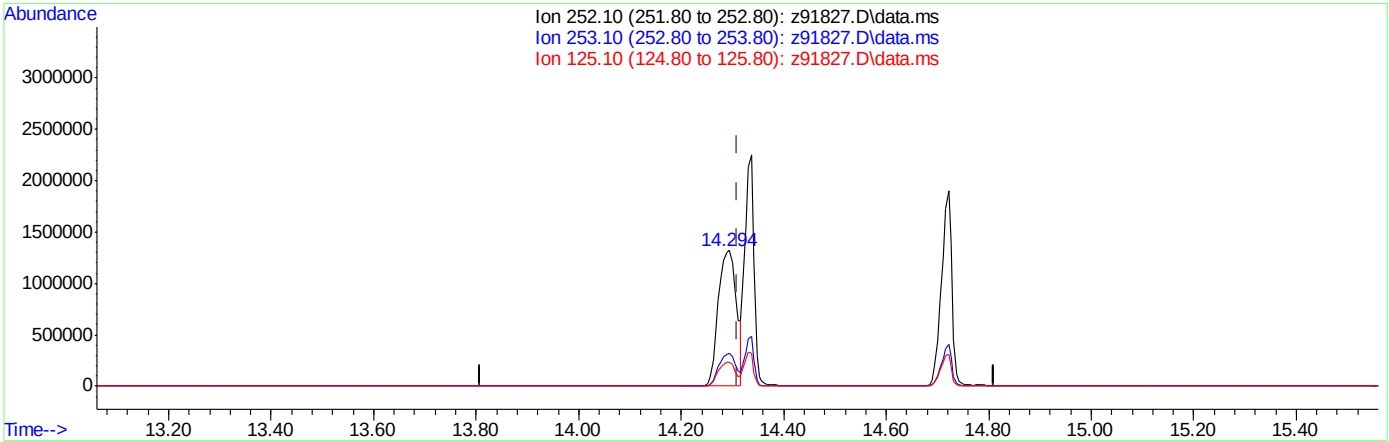
response 493831

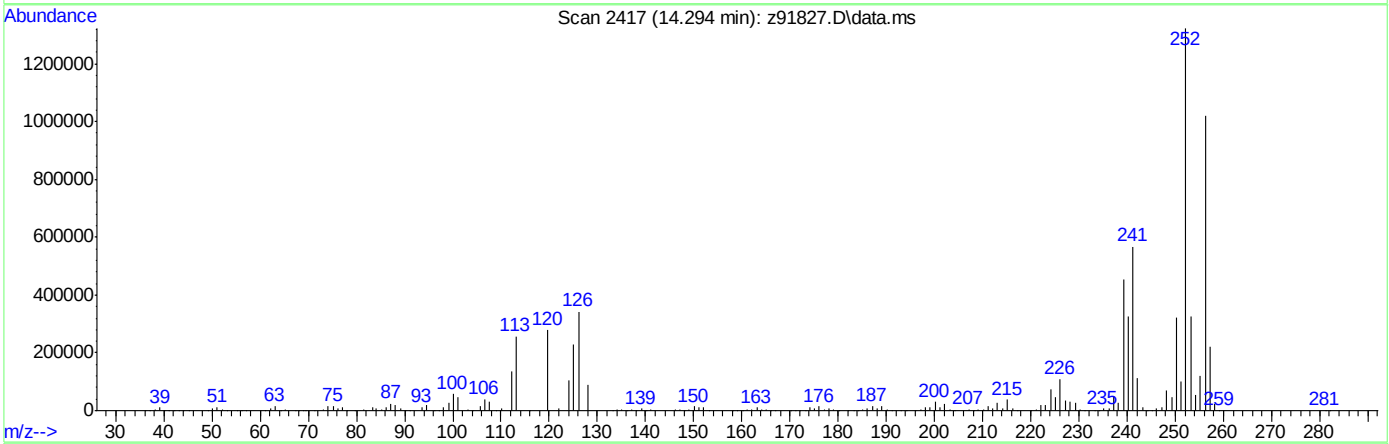
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.80
113.10	67.30	67.87
84.10	40.00	39.71

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

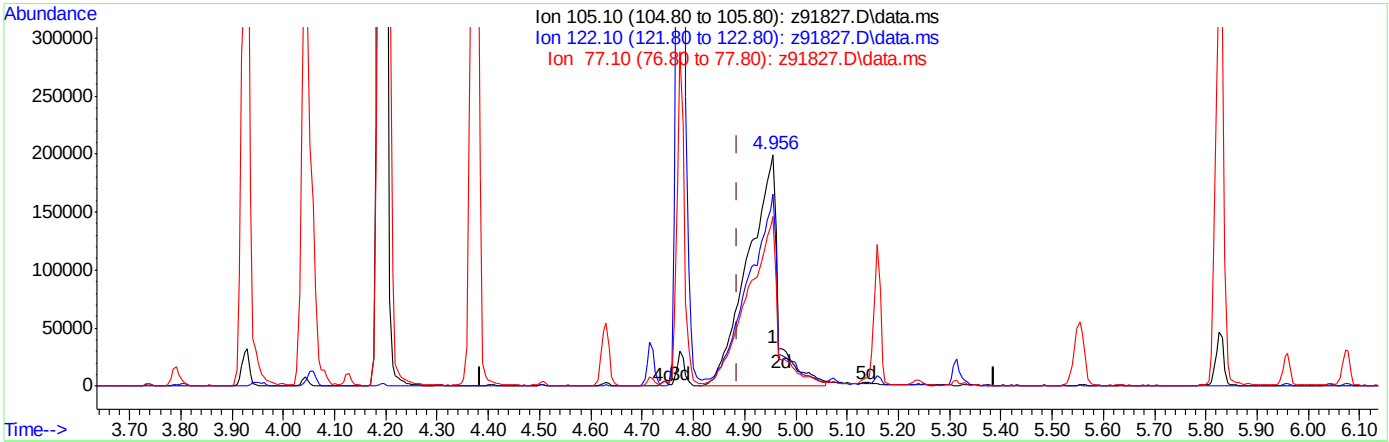
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	25.53
125.10	15.00	17.37
0.00	0.00	0.00

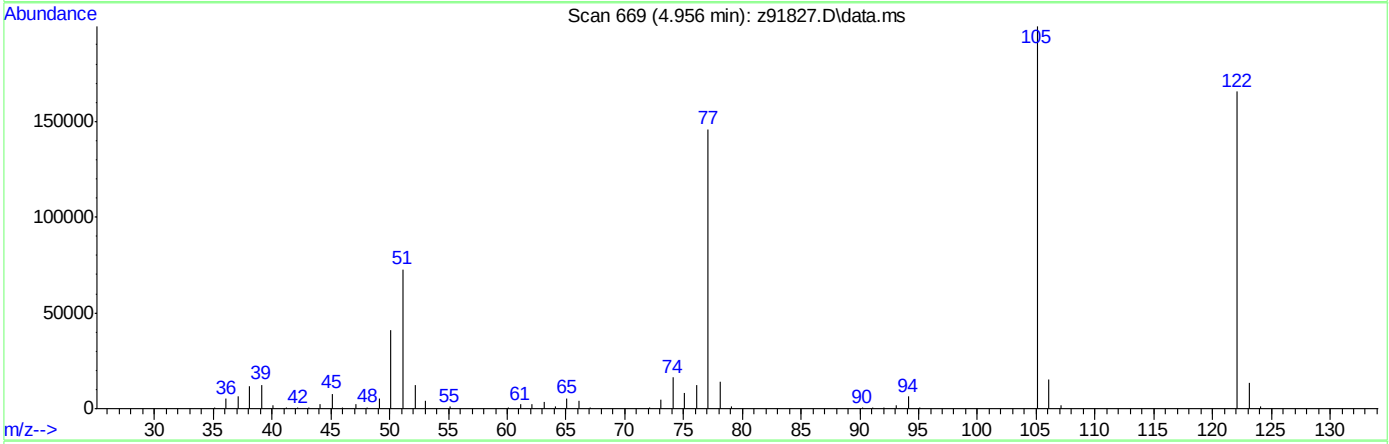
ACCUTEST LABORATORIES JB68173

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

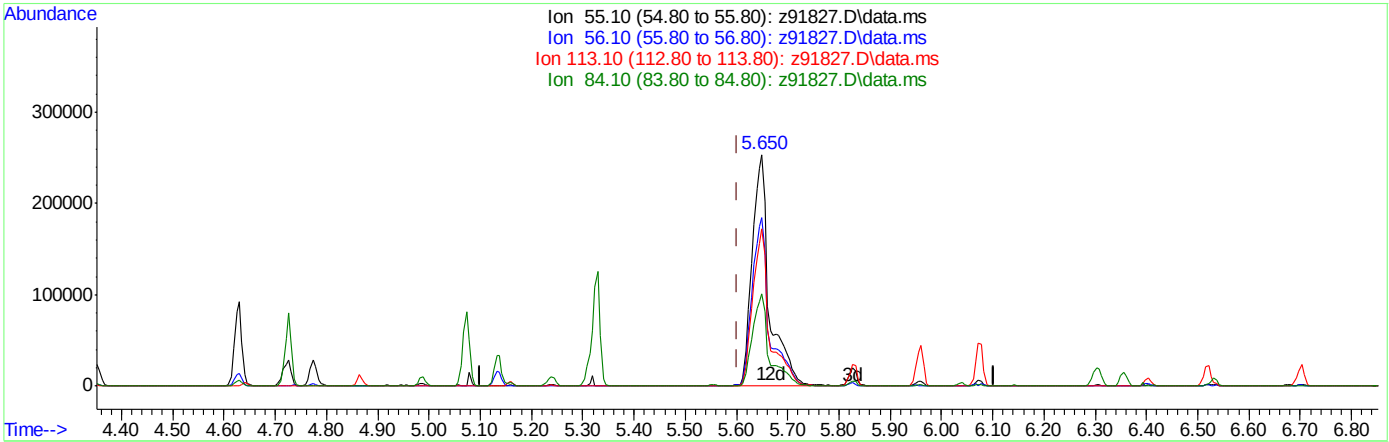
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	38.86#
77.10	33.90	64.59#
0.00	0.00	0.00

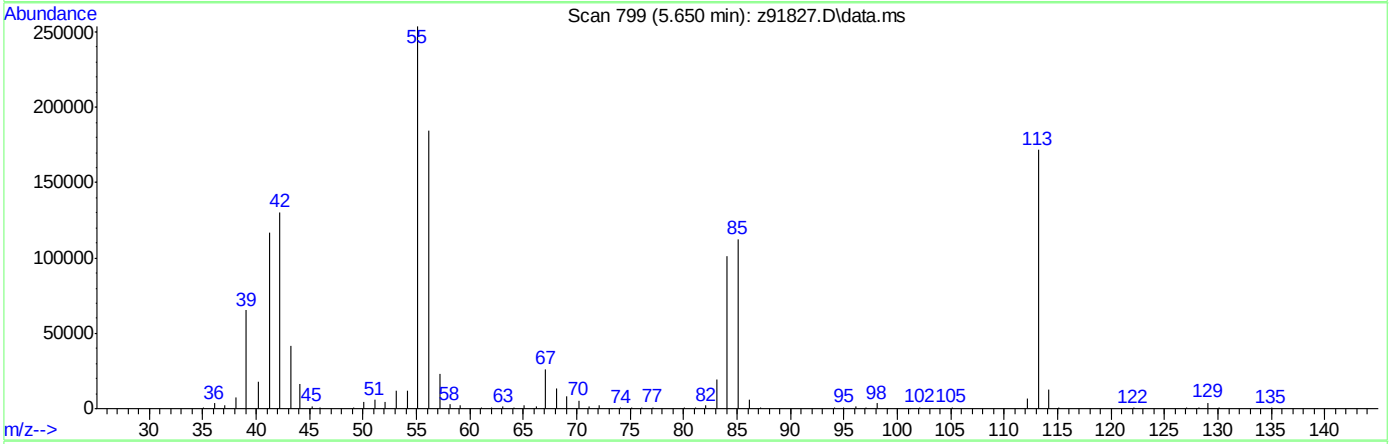
Z91827.D edits: Benzoic Acid

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

(41) Caprolactam (t)

5.650min (+0.048) 89.04ppb m

response 604099

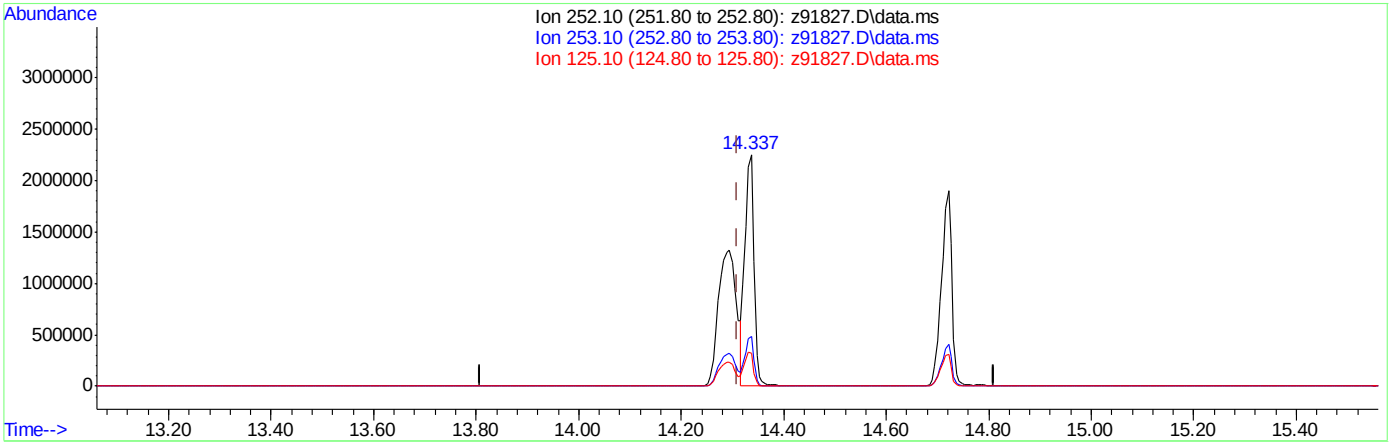
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.83
113.10	67.30	67.71
84.10	40.00	39.82

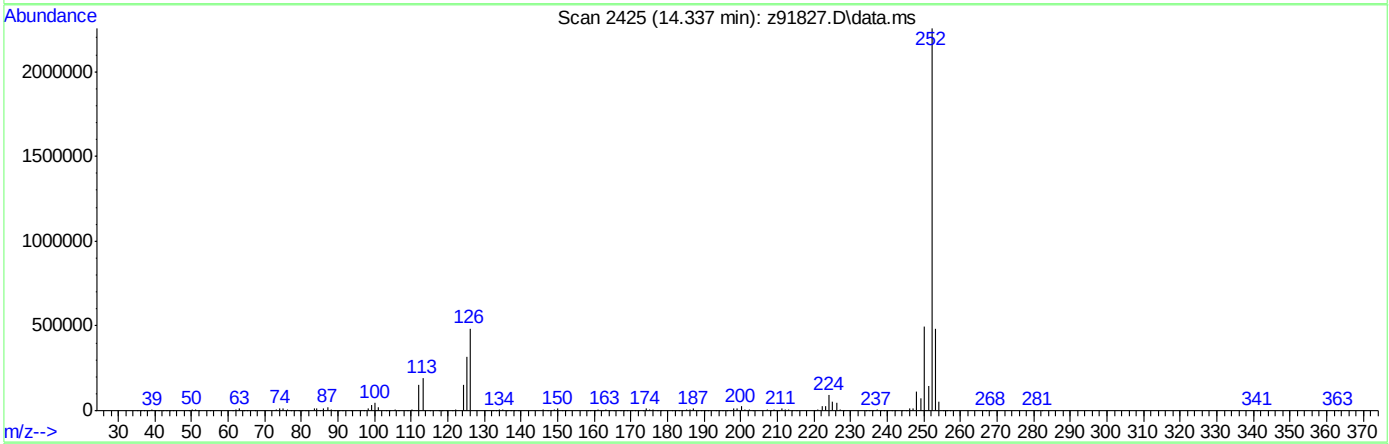
Z91827.D edits: Caprolactam

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

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

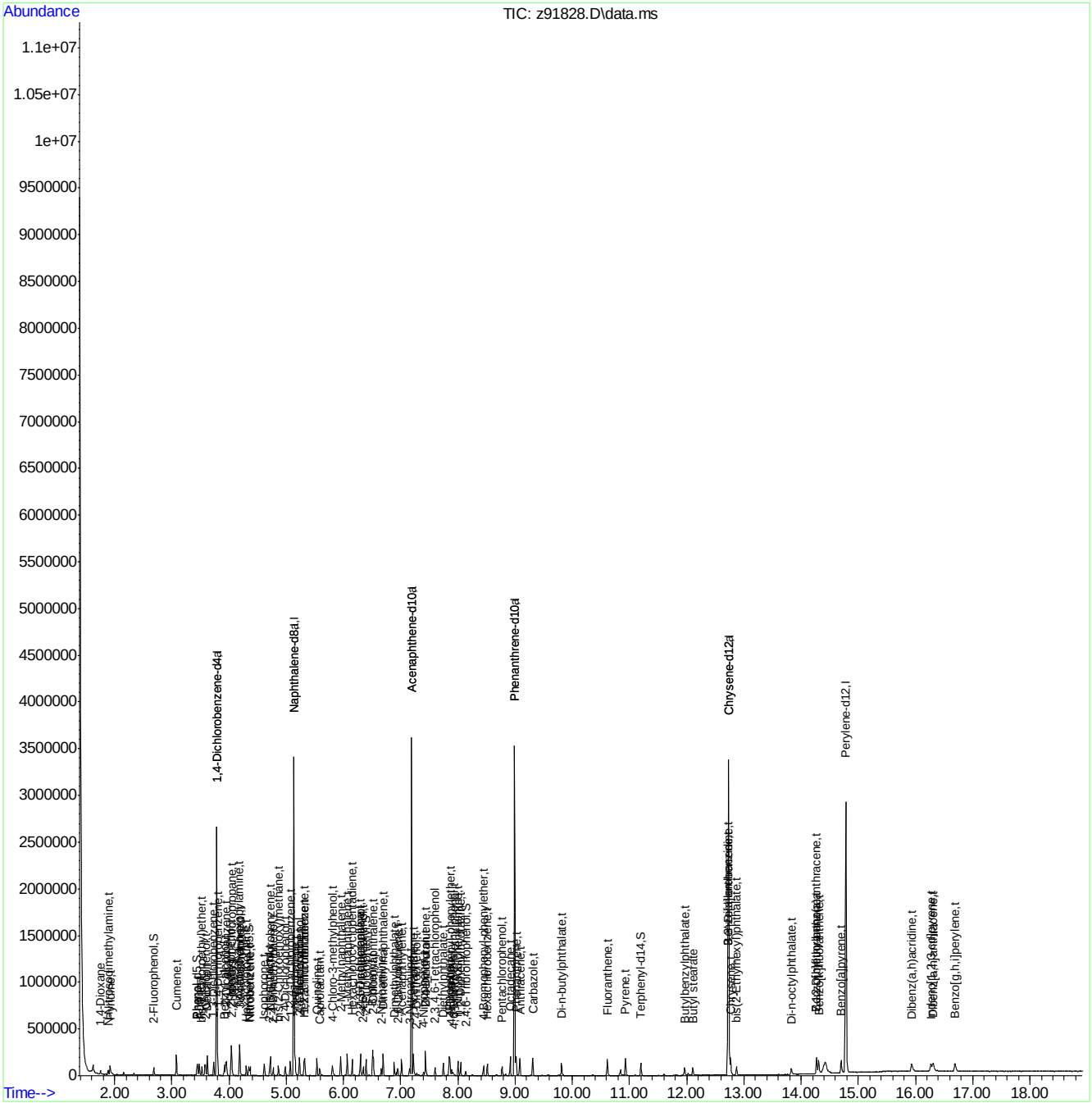
9.6.33

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 JB68173

9.6.33 6

Manual Integration Approval Summary

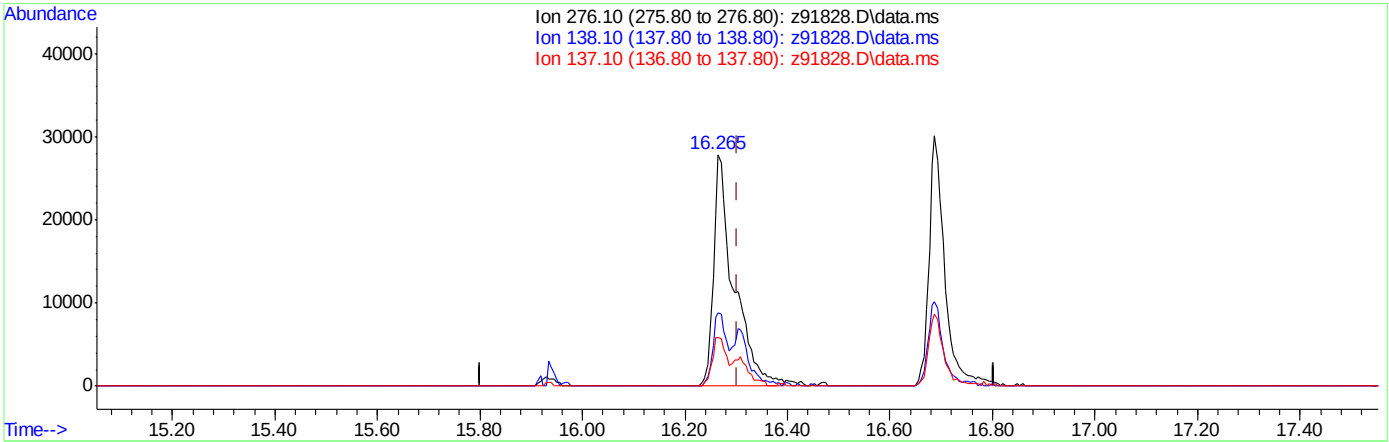
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91828.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 11:46	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

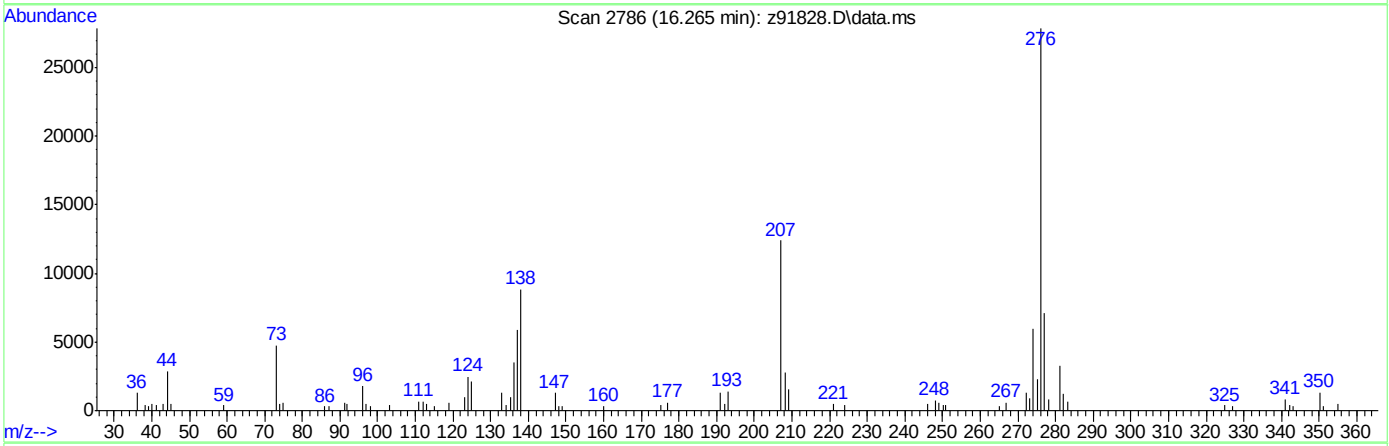
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.27	Poor instrument integration

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

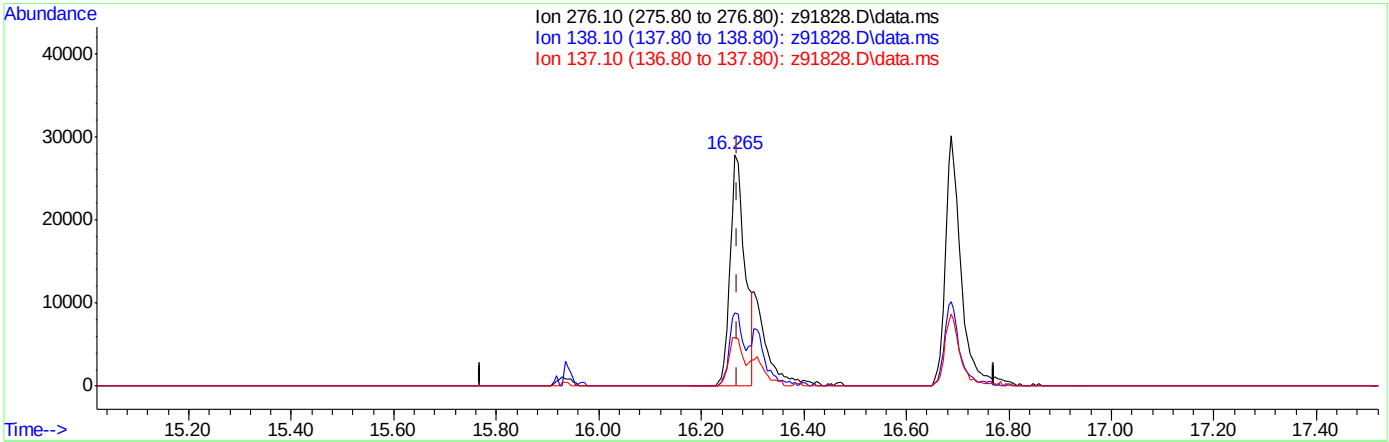
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.36
137.10	19.30	20.70
0.00	0.00	0.00

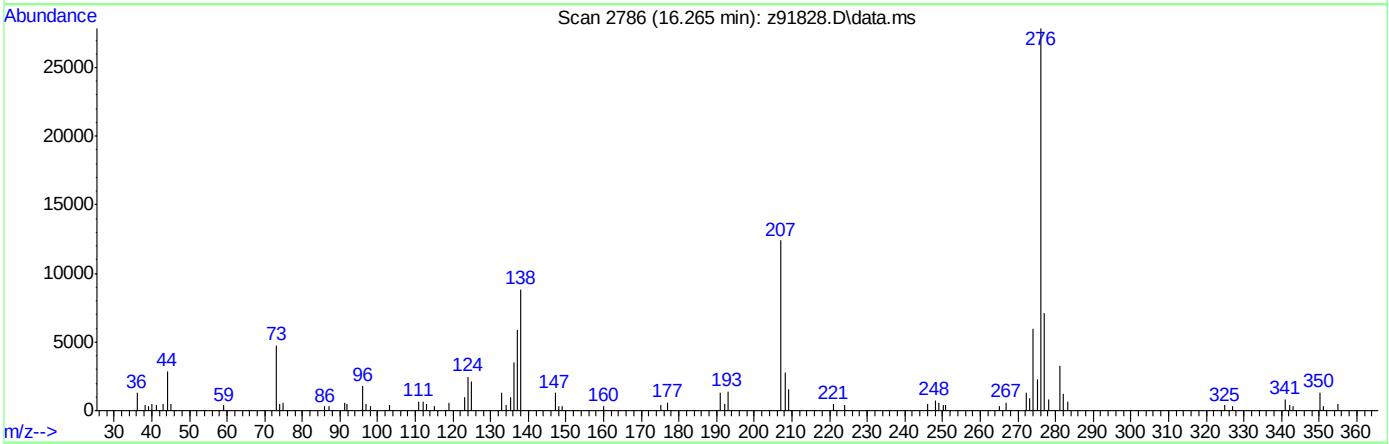
ACCUTEST LABORATORIES JB68173

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

Z91828.D edits: Indeno[1,2,3-cd]pyrene

ACCUTEST LABORATORIES JB68173

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

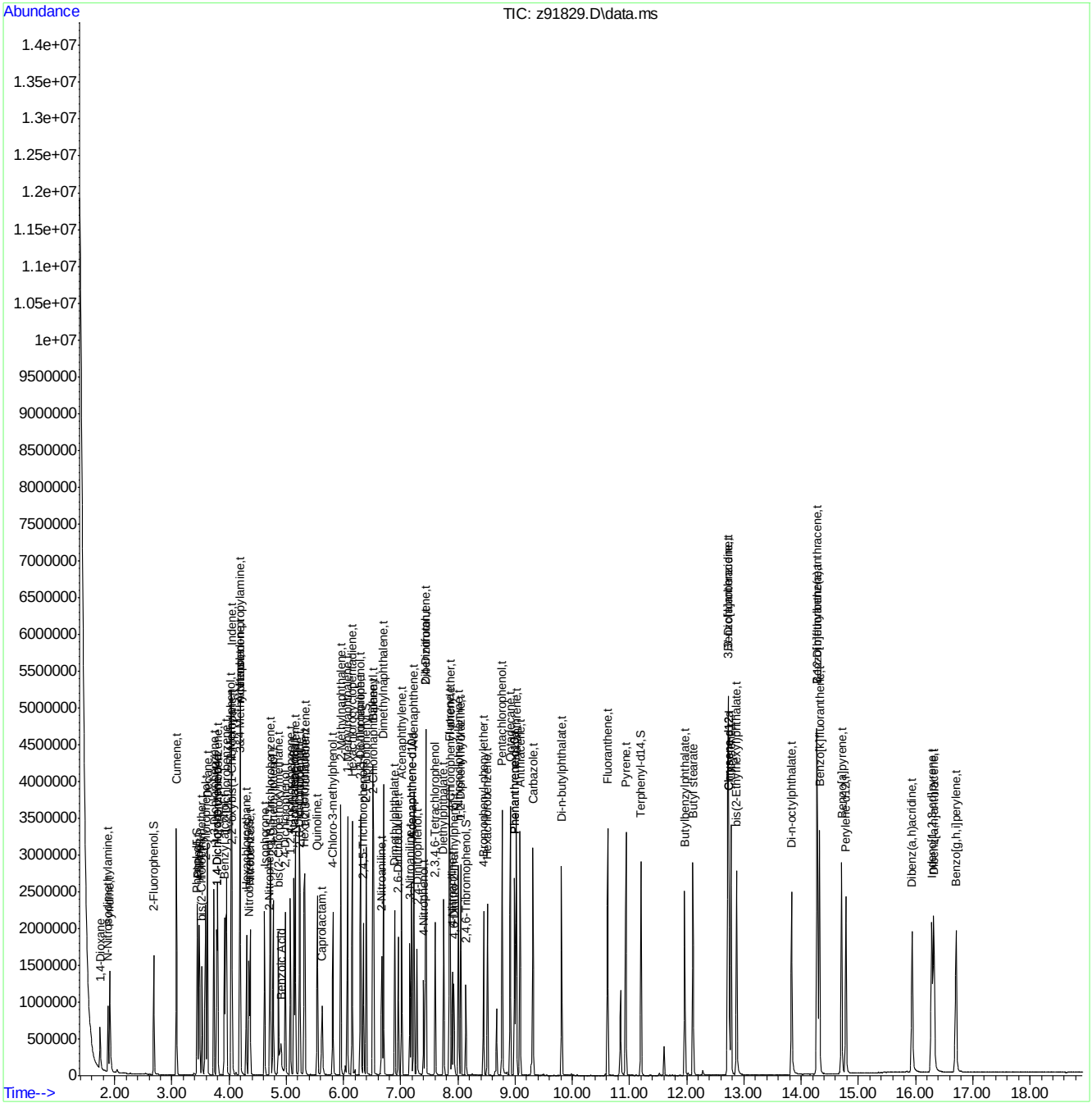
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.091	178	1504872	51.28	ppb	100
79) Carbazole	9.315	167	1418337	46.75	ppb	100
80) Di-n-butylphthalate	9.812	149	1666197	54.14	ppb	99
81) Fluoranthene	10.618	202	1545718	52.20	ppb	100
82) Octadecane	8.914	57	721672	50.48	ppb	96
84) Pyrene	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

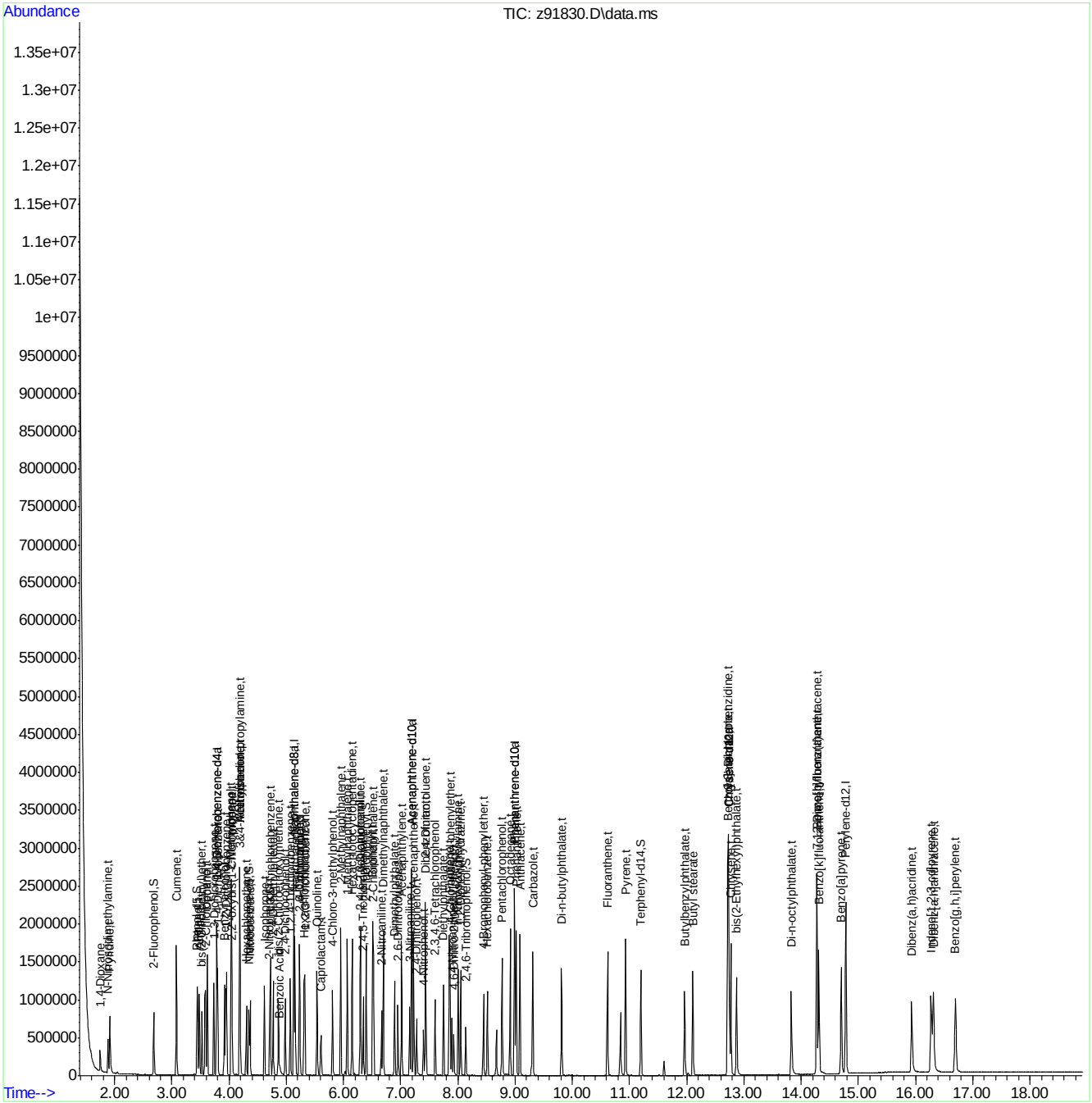
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	763622	29.27	ppb	100
79) Carbazole	9.310	167	708568	25.16	ppb	99
80) Di-n-butylphthalate	9.812	149	790842	26.60	ppb	99
81) Fluoranthene	10.618	202	763405	27.87	ppb	97
82) Octadecane	8.914	57	361723	28.38	ppb	94
84) Pyrene	10.934	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

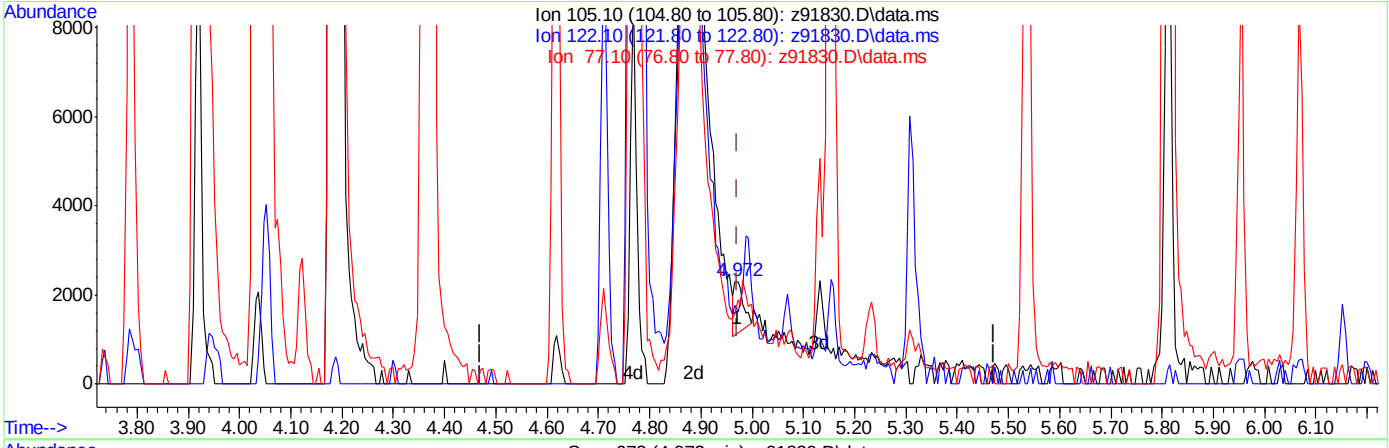
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91830.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 12:37	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

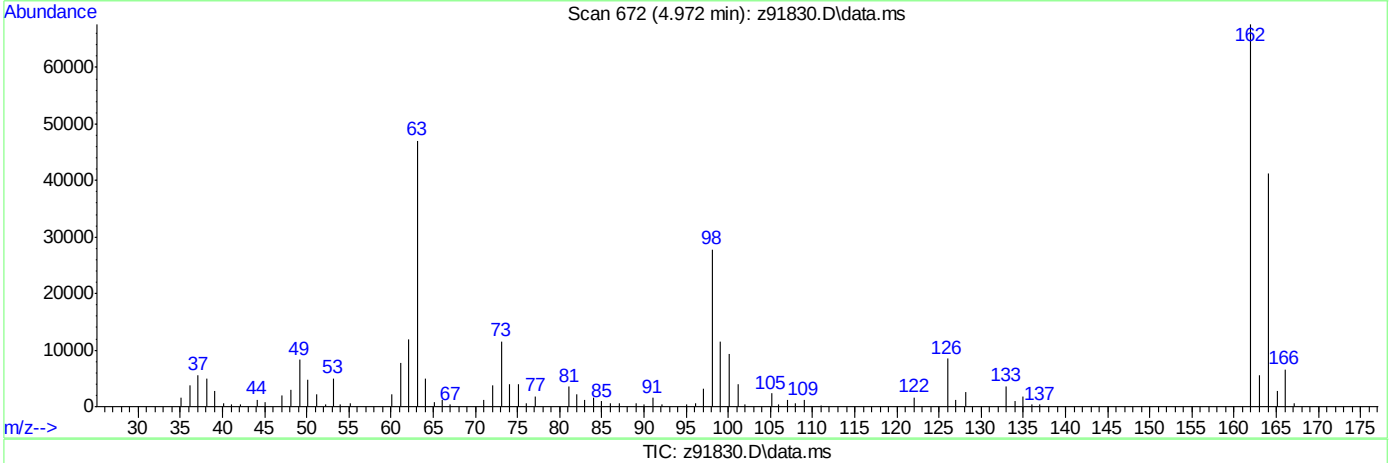
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.89	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		14.27	Poor instrument integration

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

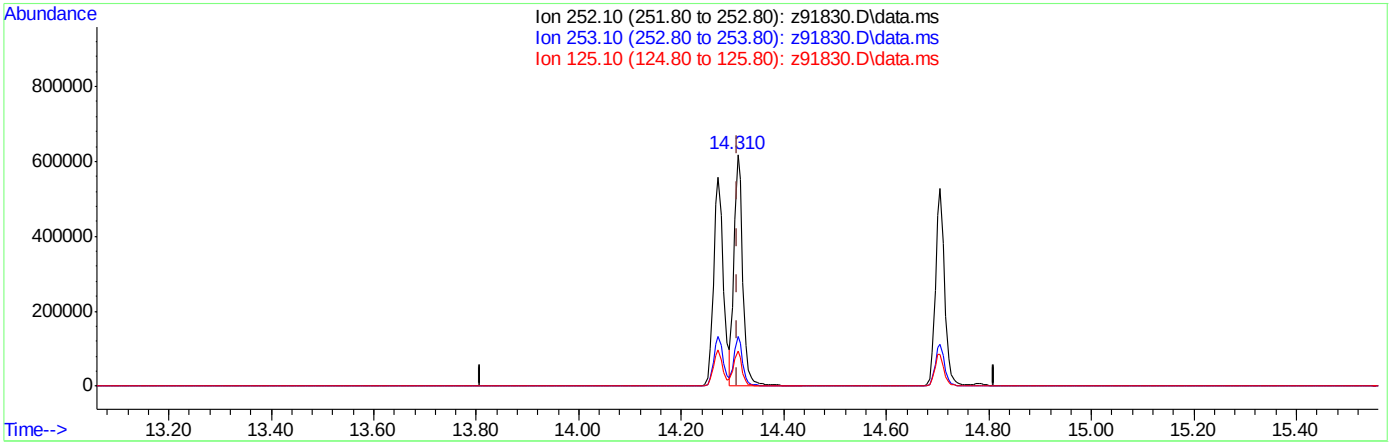
response 1469

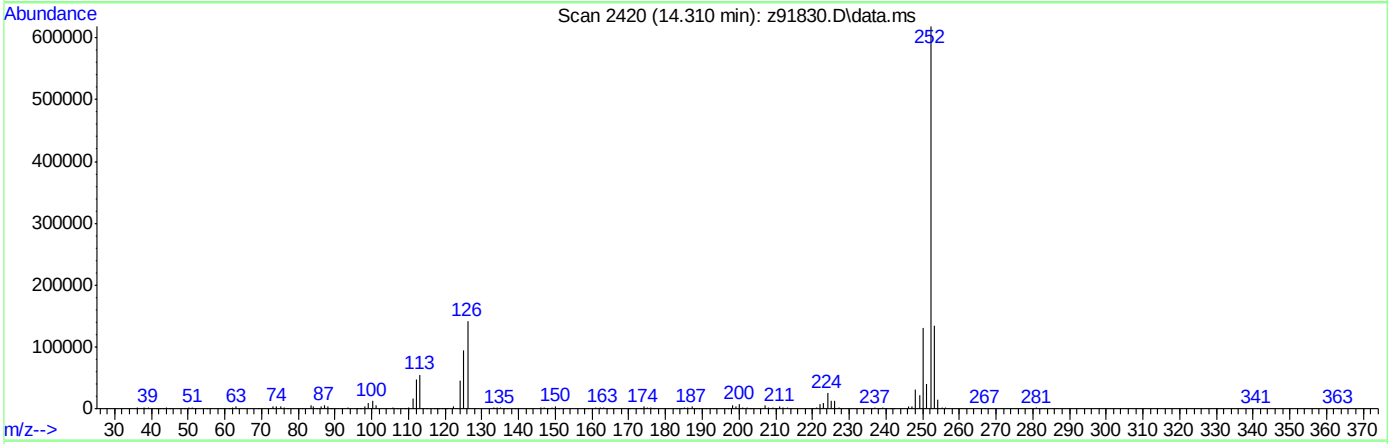
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	243.91#
77.10	33.90	103.13#
0.00	0.00	0.00

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

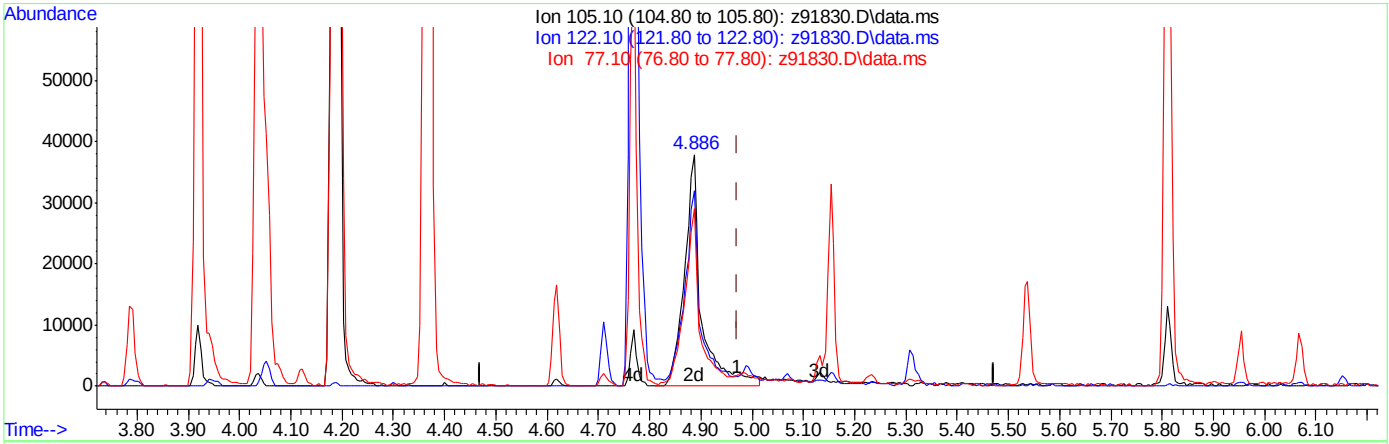
Ion	Exp%	Act%
252.10	100	100
253.10	24.00	21.54
125.10	17.10	14.97
0.00	0.00	0.00

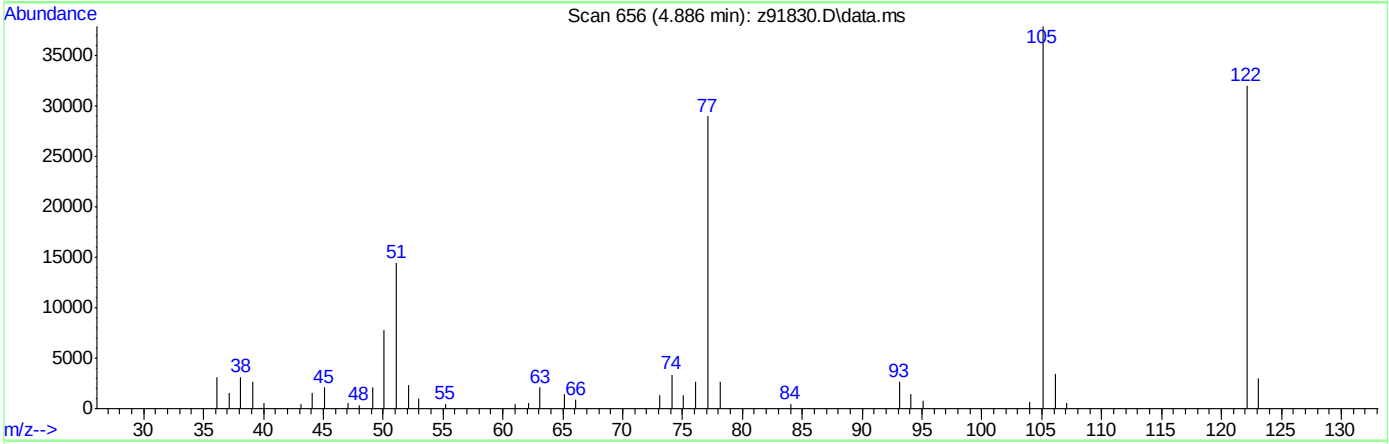
Z91830.D edits: Benzo[b]fluoranthene

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

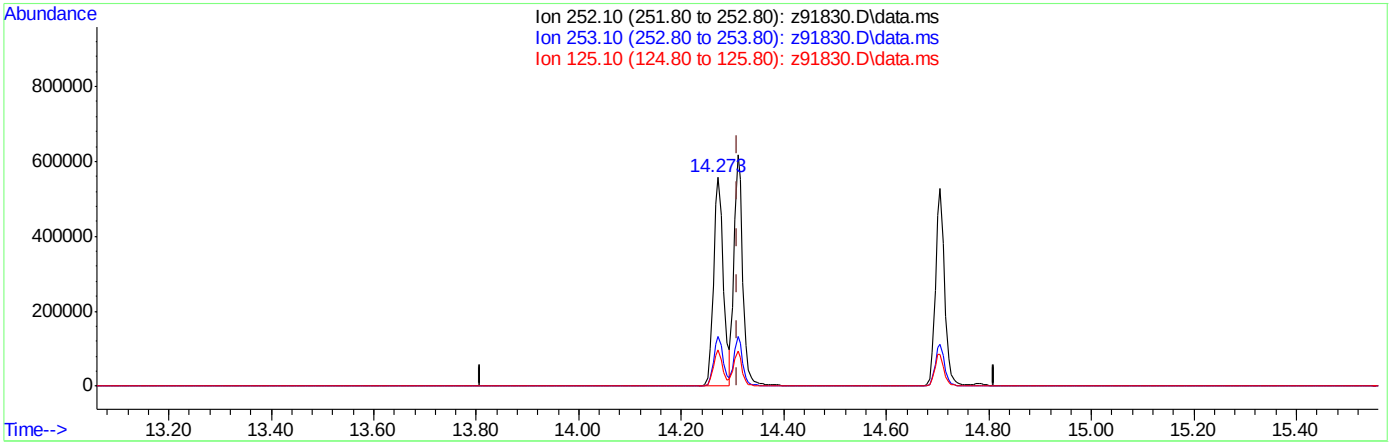
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	4.04#
77.10	33.90	1.71#
0.00	0.00	0.00

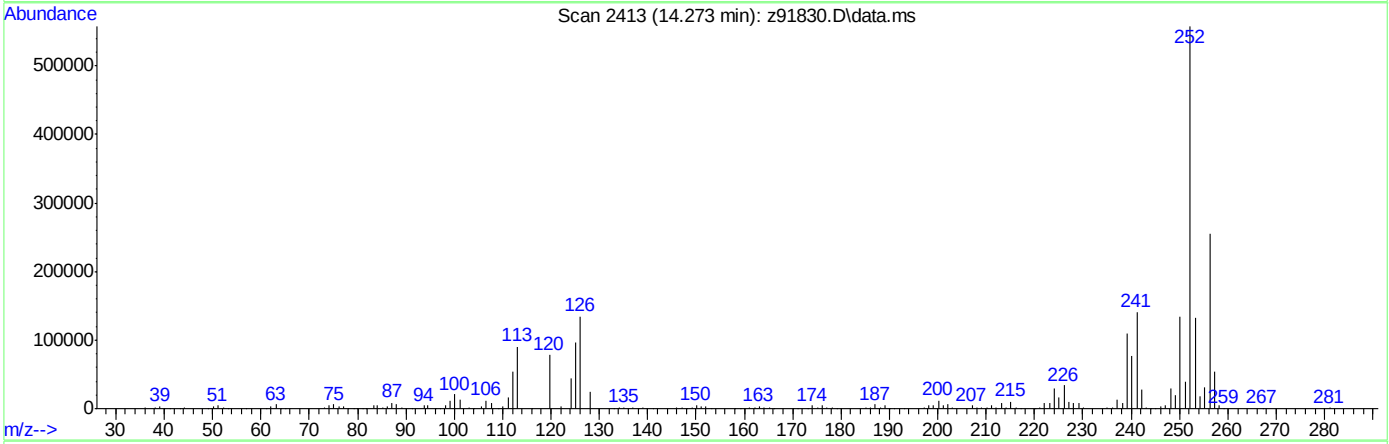
Z91830.D edits: Benzoic Acid

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

ACCUTEST LABORATORIES JB68173

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

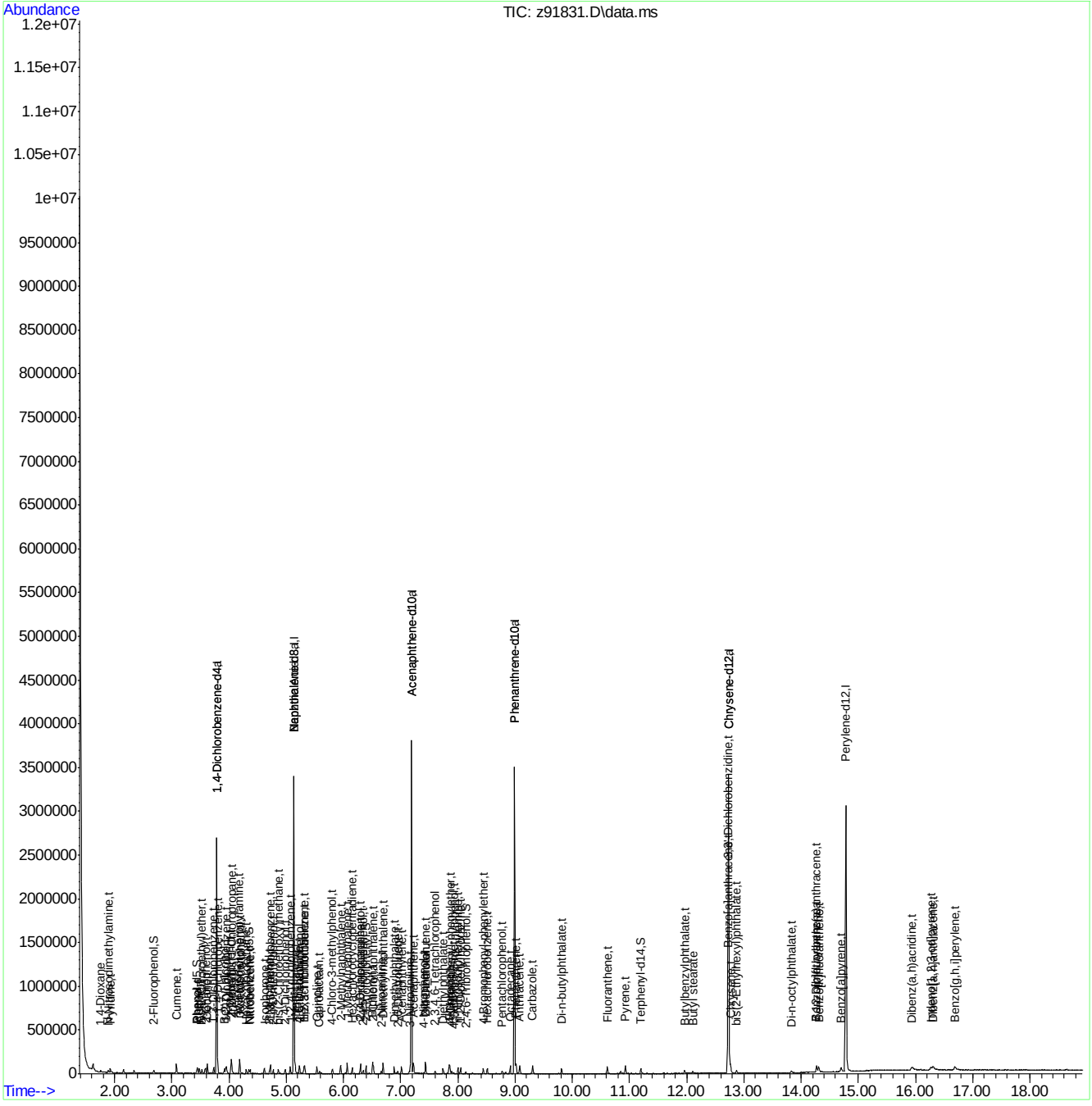
9.6.36

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



ACCUTEST LABORATORIES JB68173

Manual Integration Approval Summary

Sample Number: EZ4569-IC4569
Lab FileID: Z91831.D
Injection Time: 05/24/14 13:03

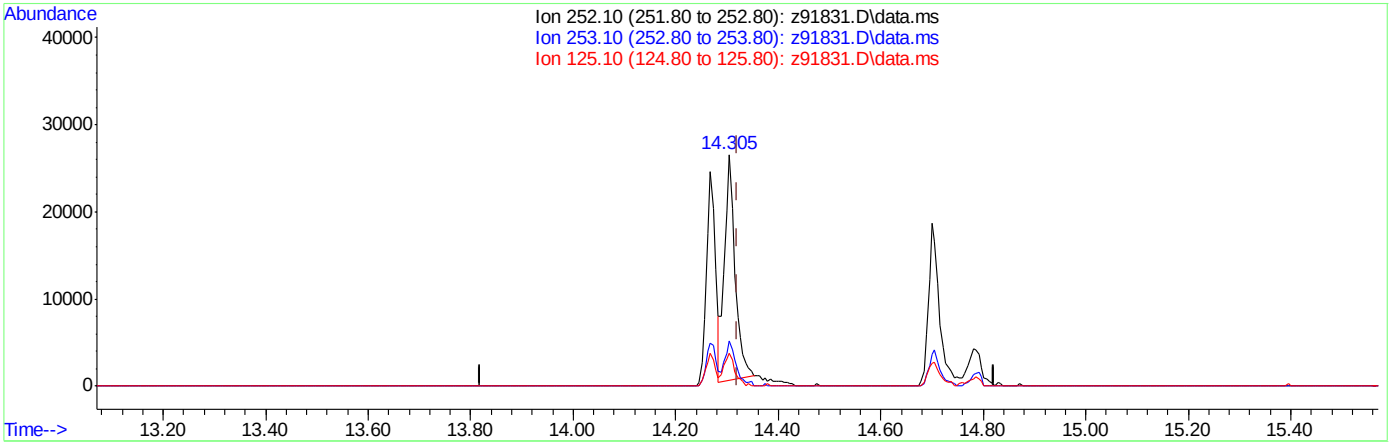
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 06/02/14 08:28 Cheng-Hwan Ao

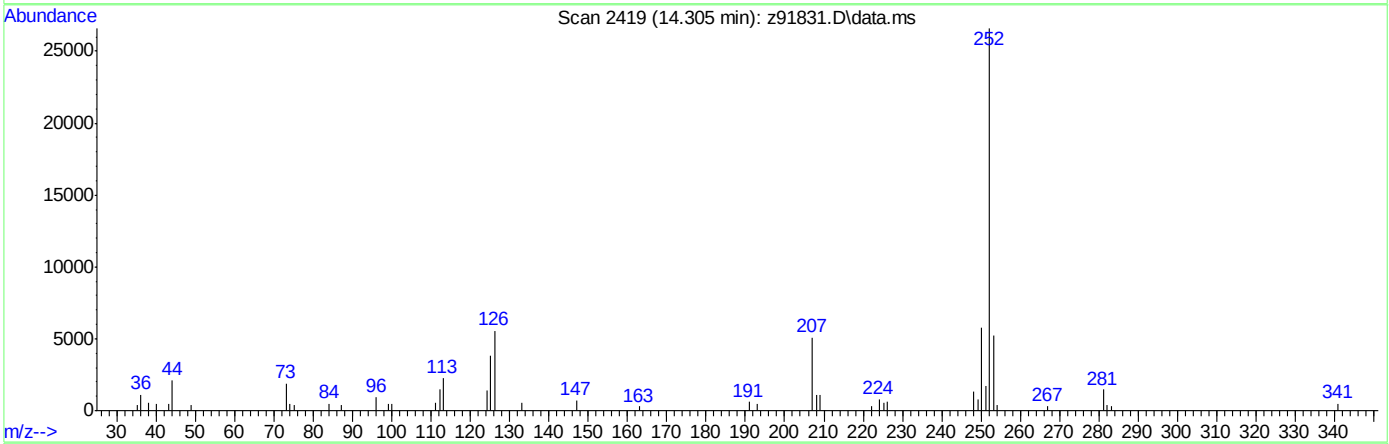
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		14.30	Poor instrument integration
Dibenz(a,h)acridine	226-36-8		15.93	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		16.31	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.69	Poor instrument integration

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

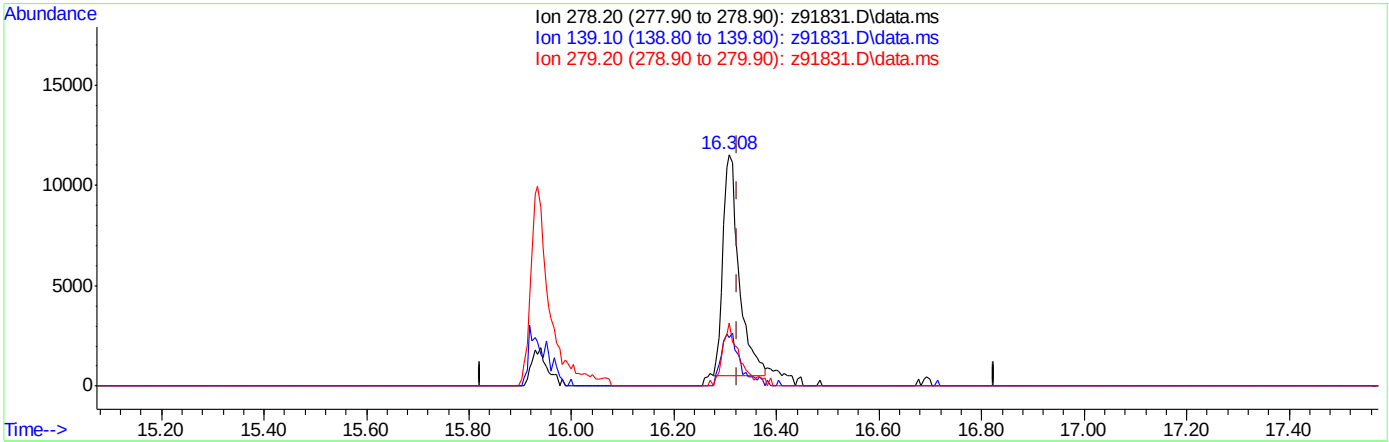
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.65
125.10	15.00	15.10
0.00	0.00	0.00

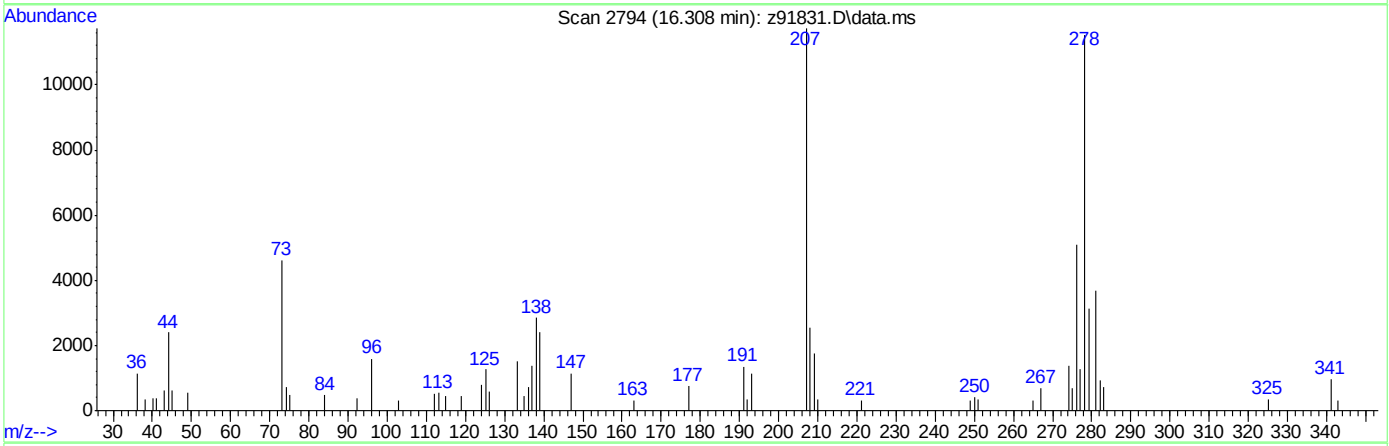
ACCUTEST LABORATORIES JB68173

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

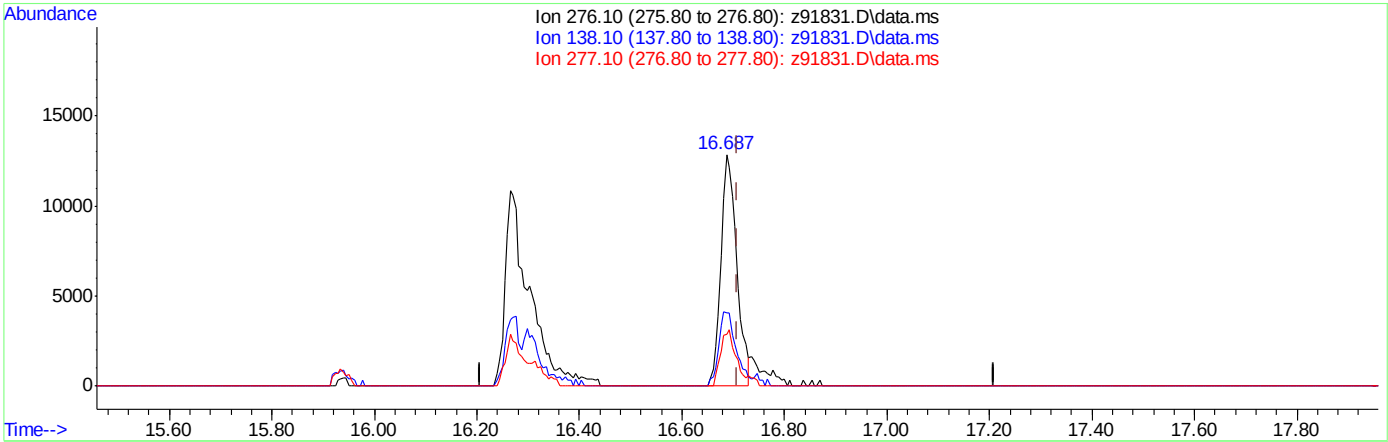
Ion	Exp%	Act%
278.20	100	100
139.10	24.10	22.27
279.20	23.20	27.00
0.00	0.00	0.00

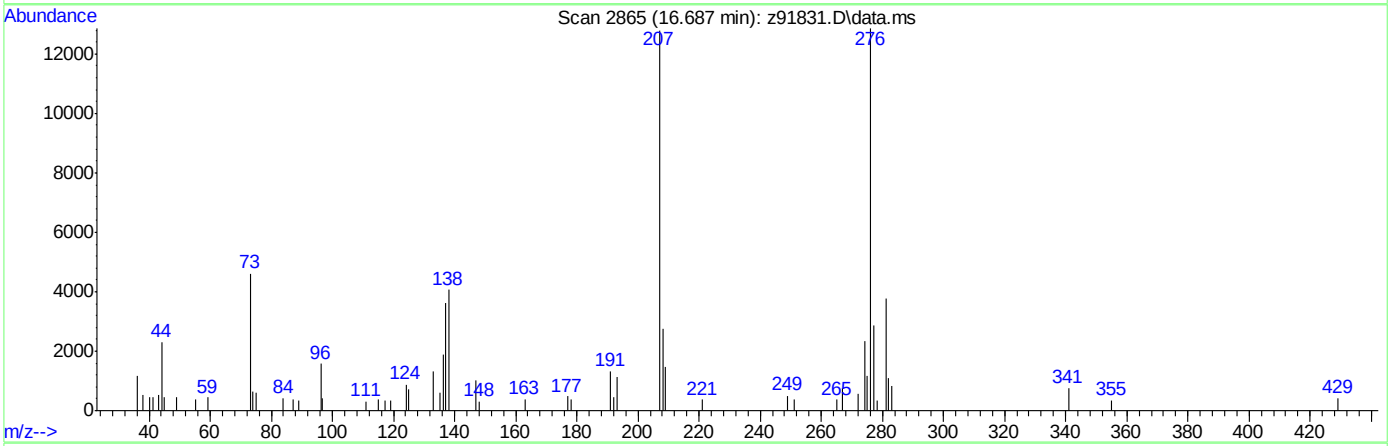
ACCUTEST LABORATORIES JB68173

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

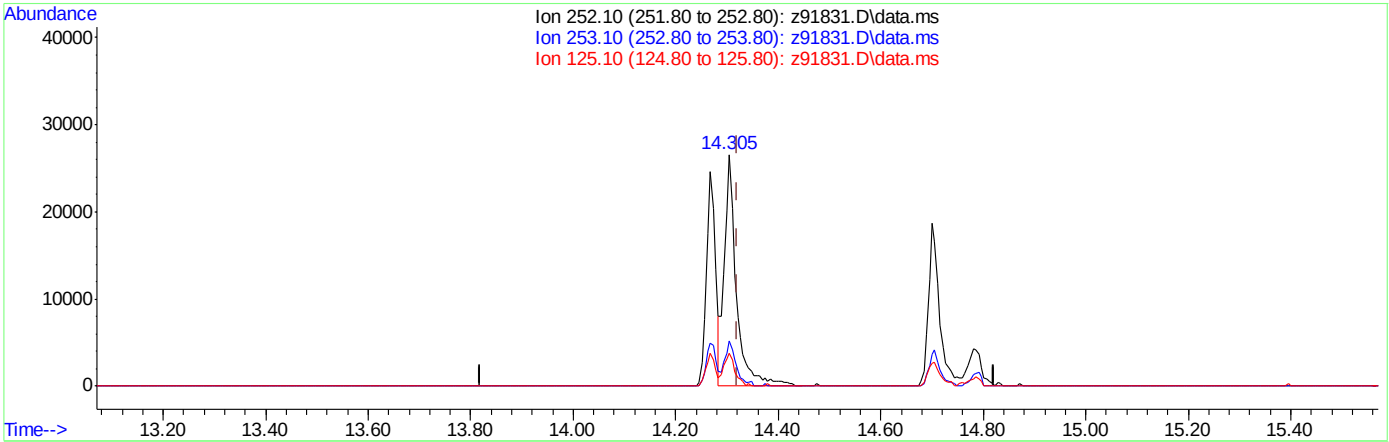
response 27386

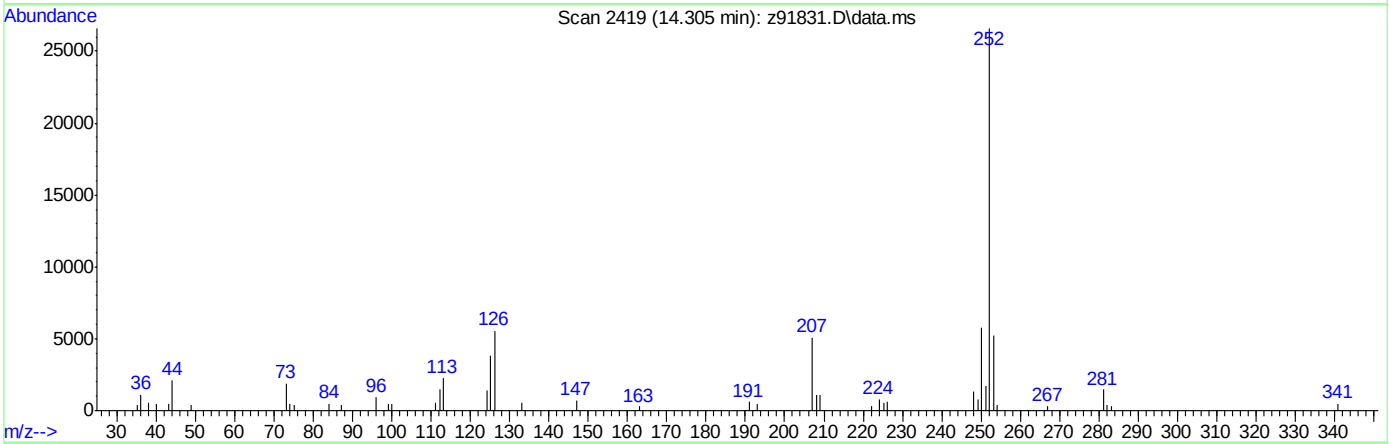
Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.44
277.10	23.60	21.46
0.00	0.00	0.00

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

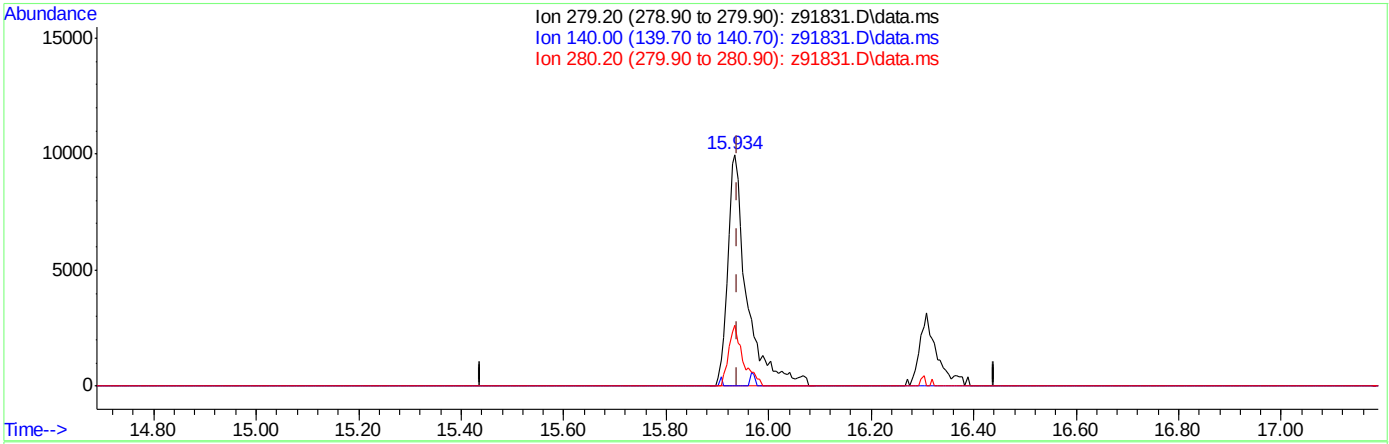
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.59
125.10	15.00	14.39
0.00	0.00	0.00

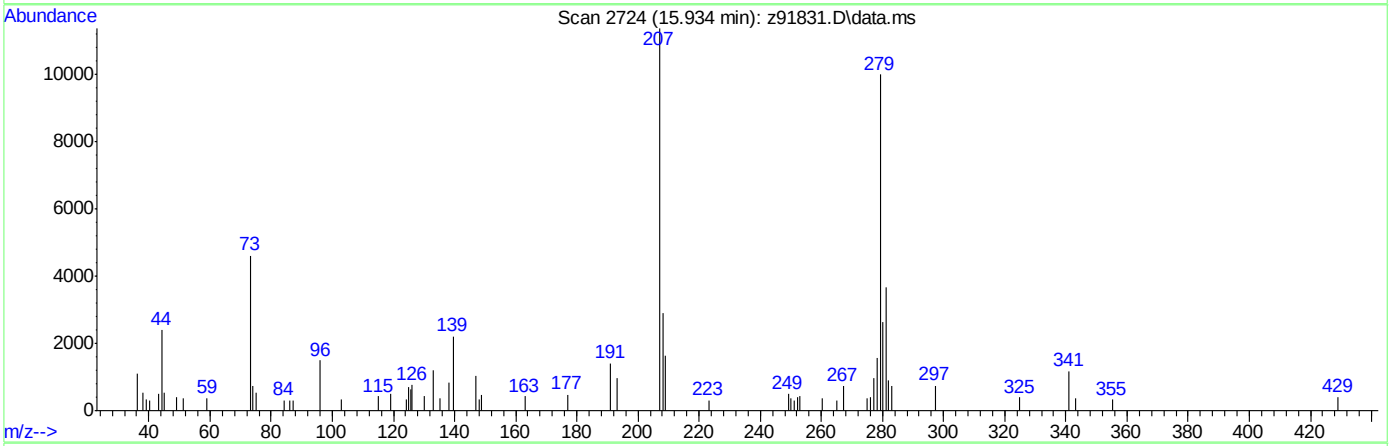
Z91831.D edits: Benzo[k]fluoranthene

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

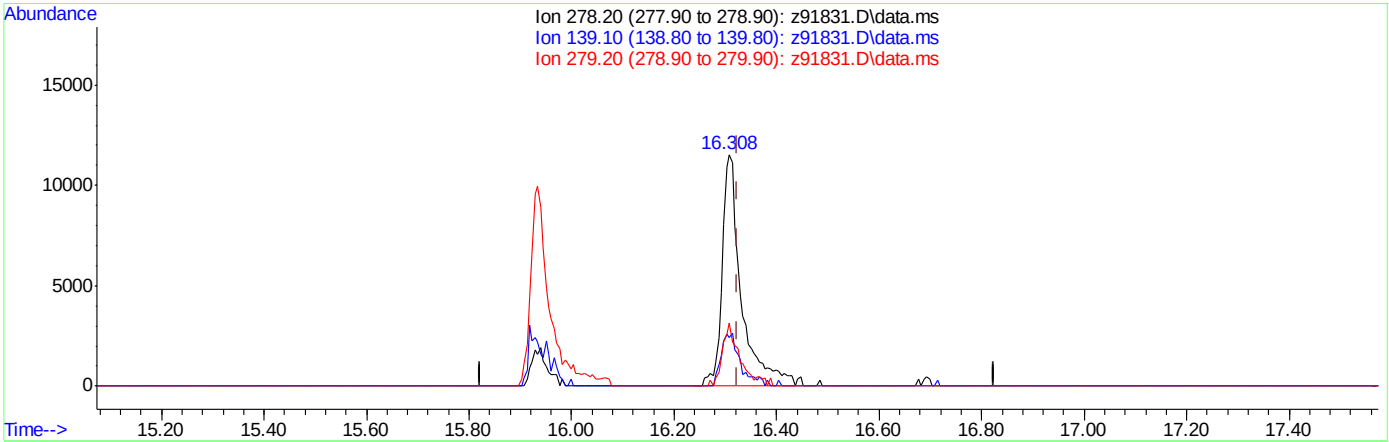
9.6.36.6

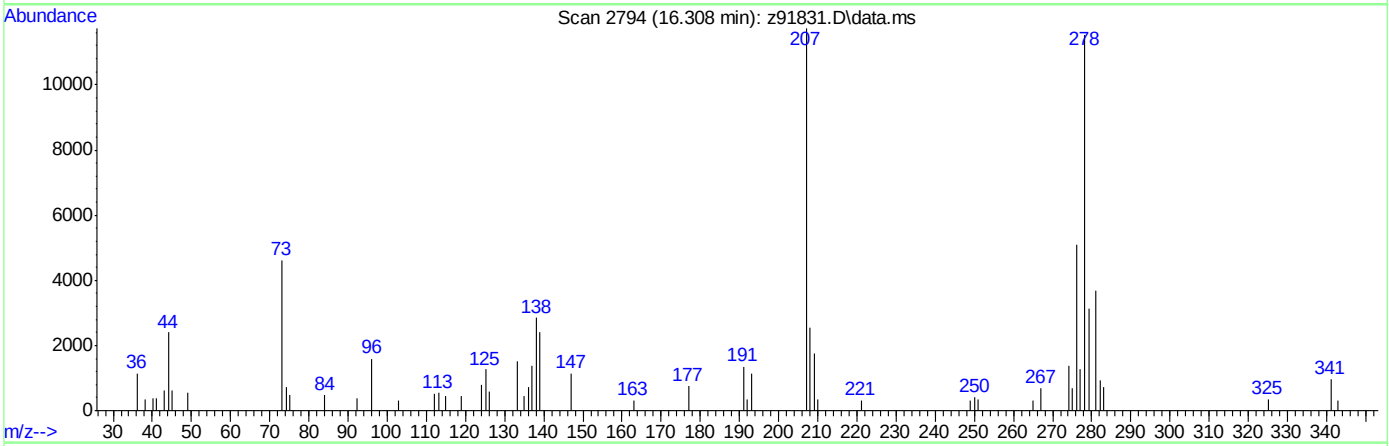
6

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

9.6.36.7

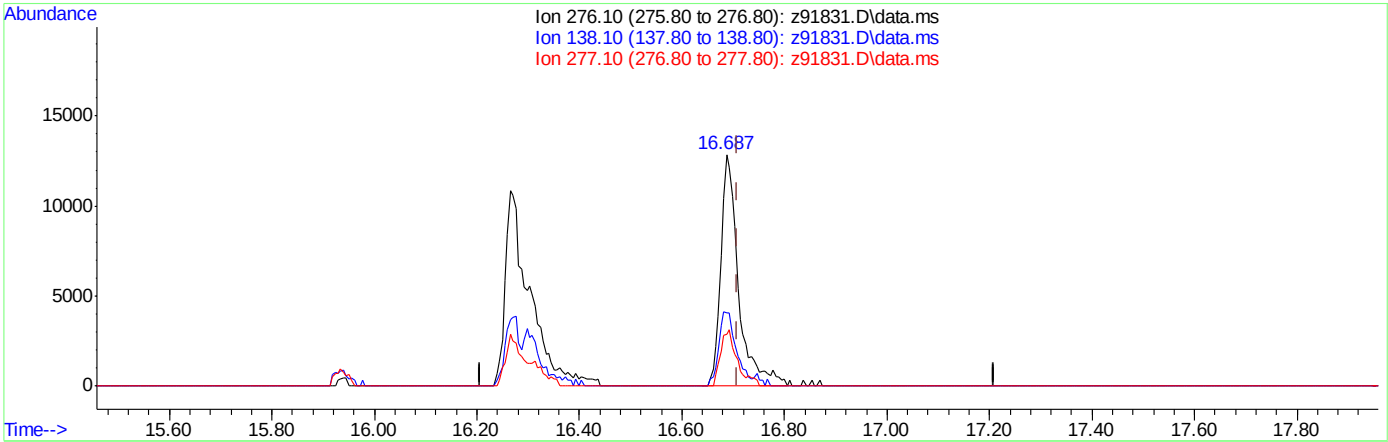
9

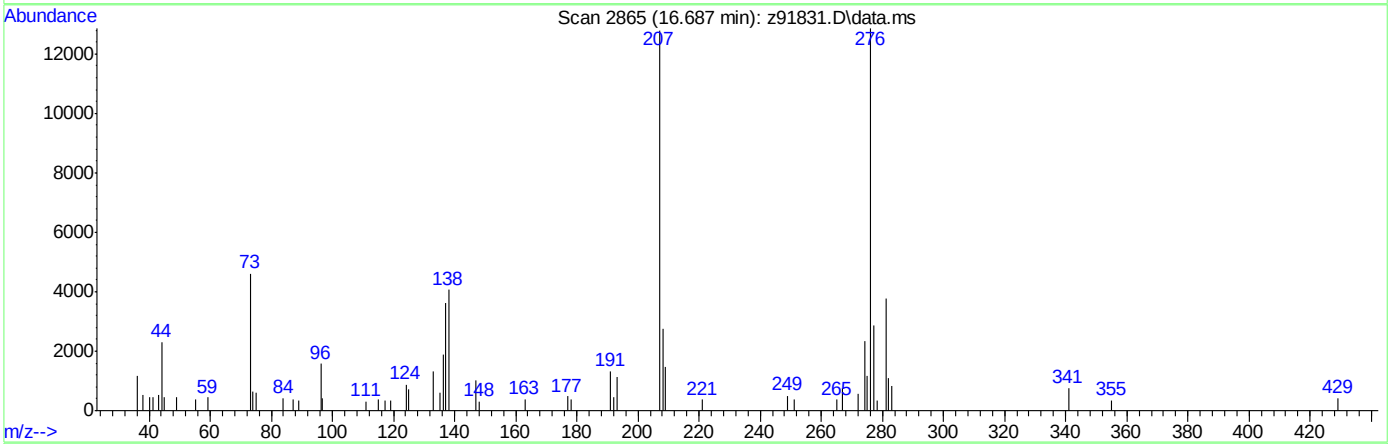
ACCUTEST LABORATORIES JB68173

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

9.6.36.8

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

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

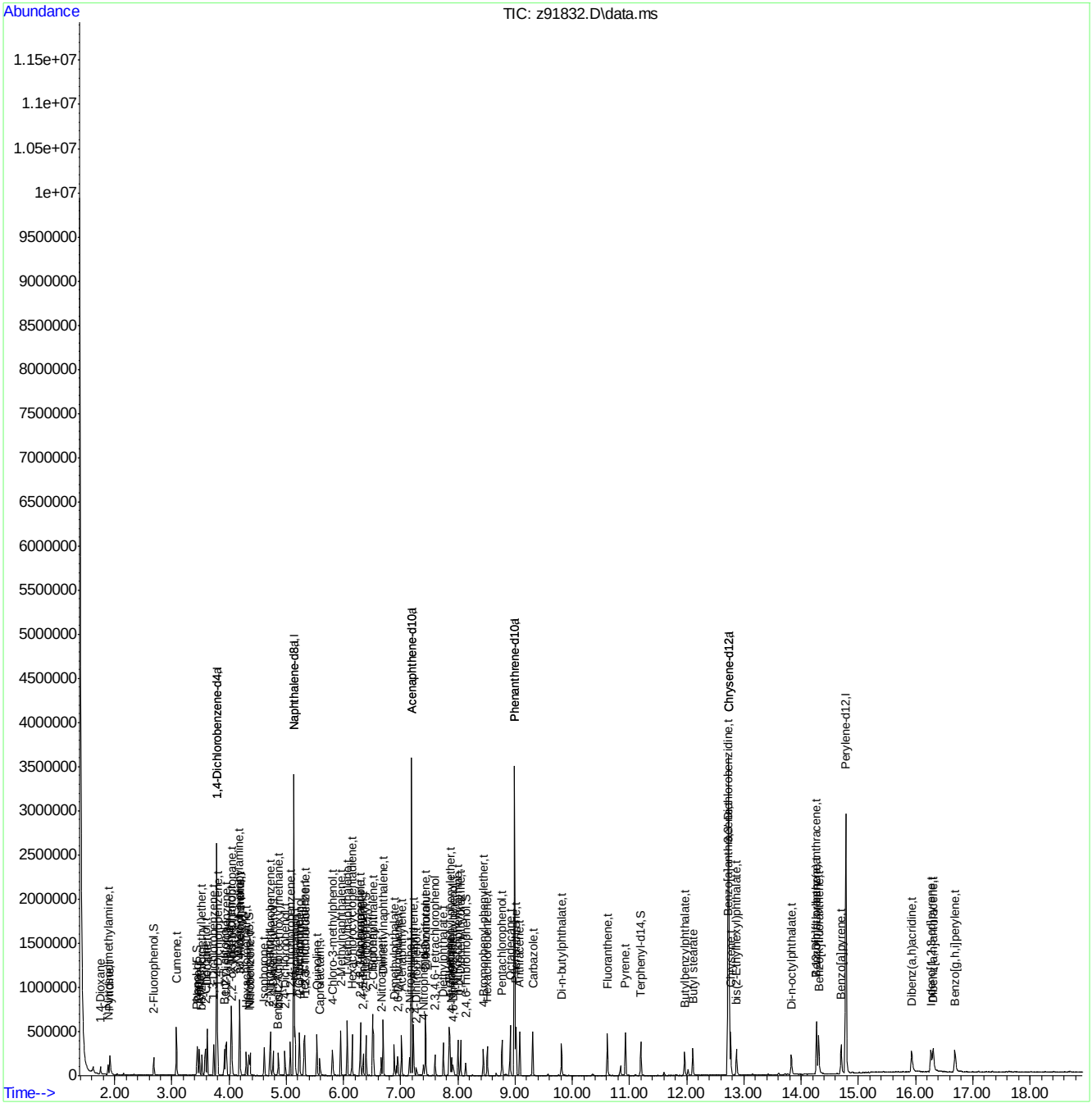
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.080	178	212121	5.37	ppb	100
79) Carbazole	9.310	167	226156	5.53	ppb	98
80) Di-n-butylphthalate	9.812	149	201914	5.03	ppb	99
81) Fluoranthene	10.613	202	210043	5.30	ppb	99
82) Octadecane	8.914	57	107178	5.57	ppb	94
84) Pyrene	10.928	202	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

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



ACCUTEST LABORATORIES JB68173

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

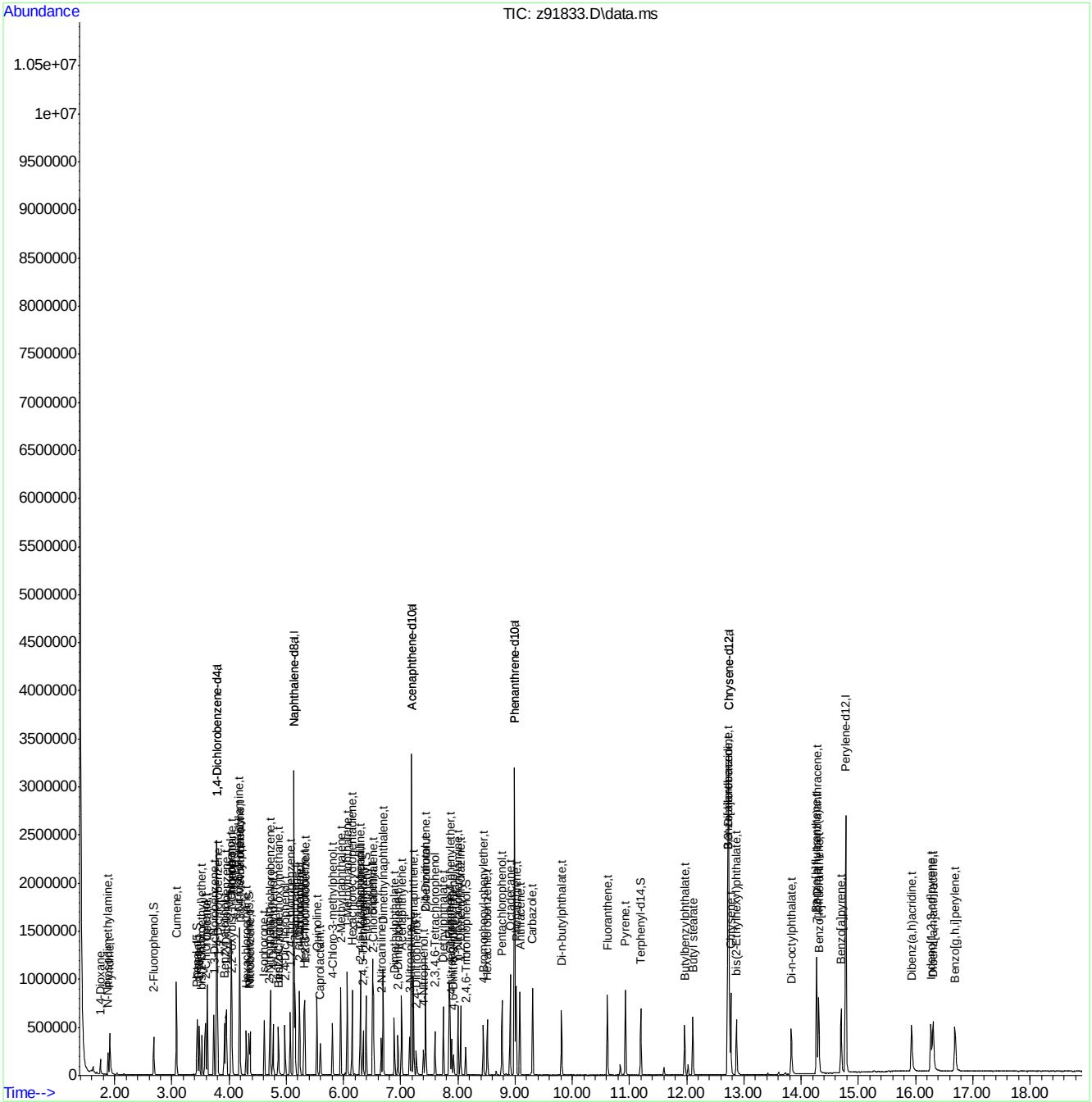
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Quantitation Report (QT Reviewed)

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

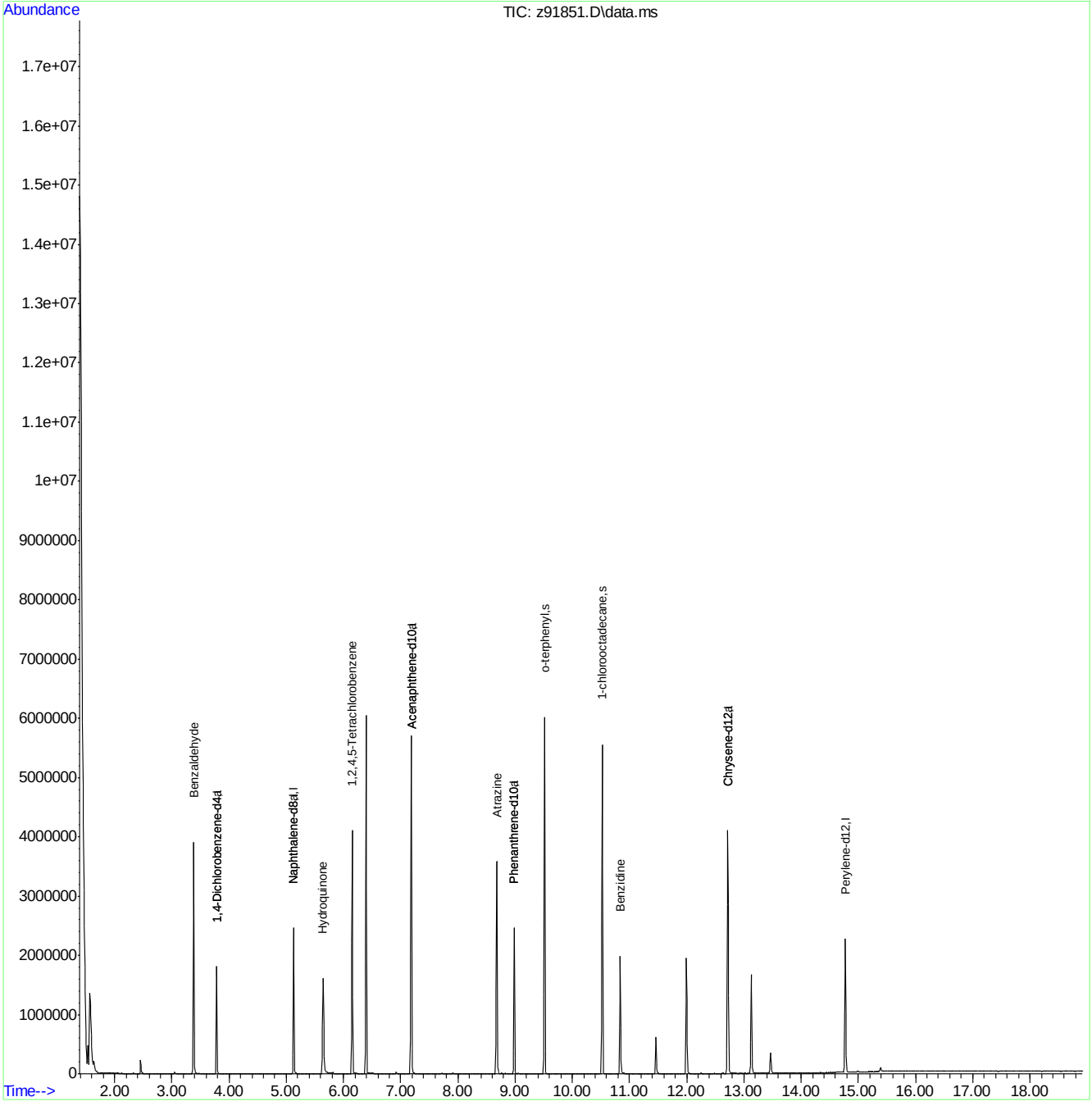
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	266639	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1071748	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	559571	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1000276	40.00	ppb	0.00
83) Chrysene-d12	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 JB68173

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

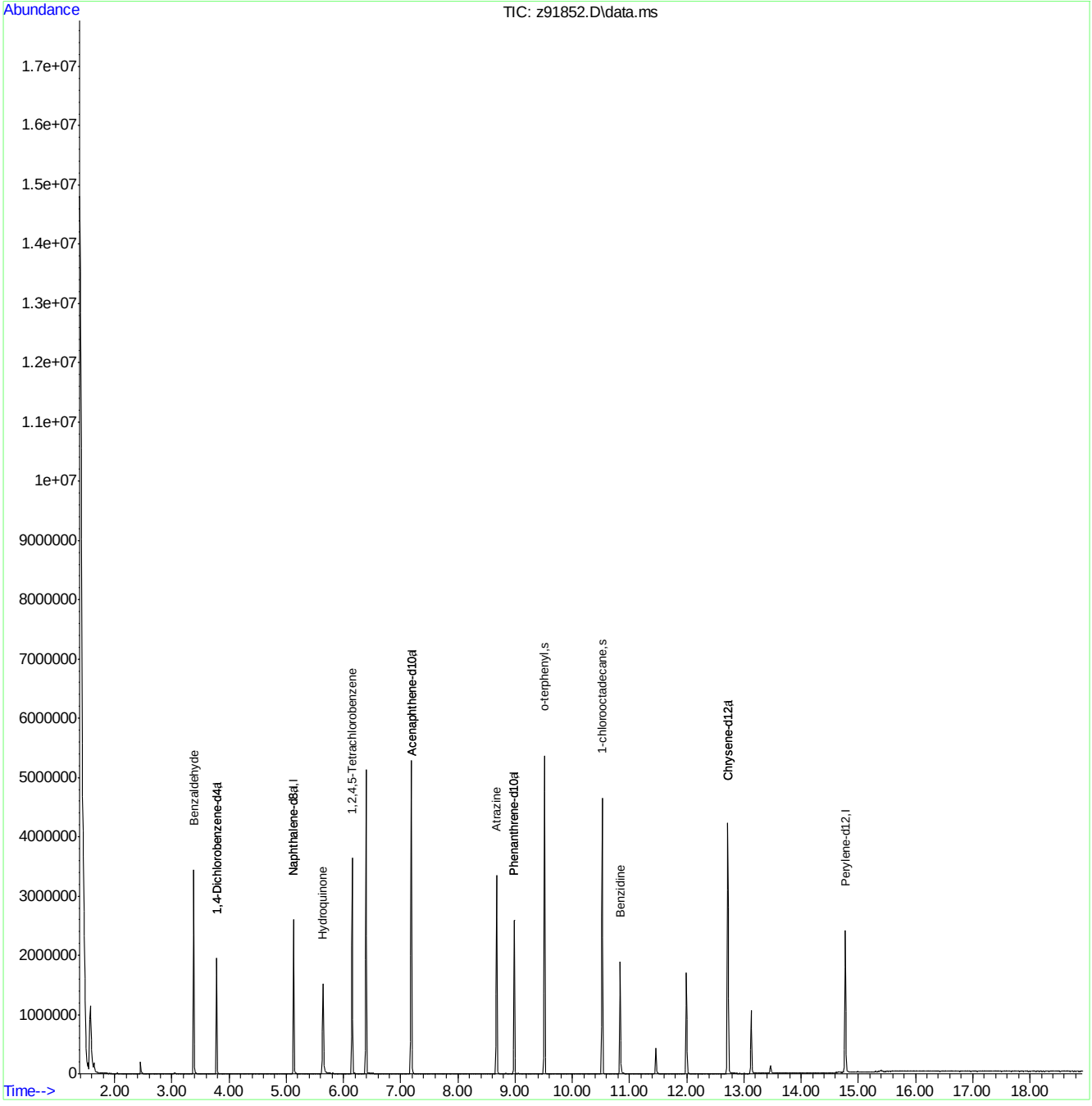
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	281976	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1135711	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	601679	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1051655	40.00	ppb	0.00
83) Chrysene-d12	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 JB68173

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

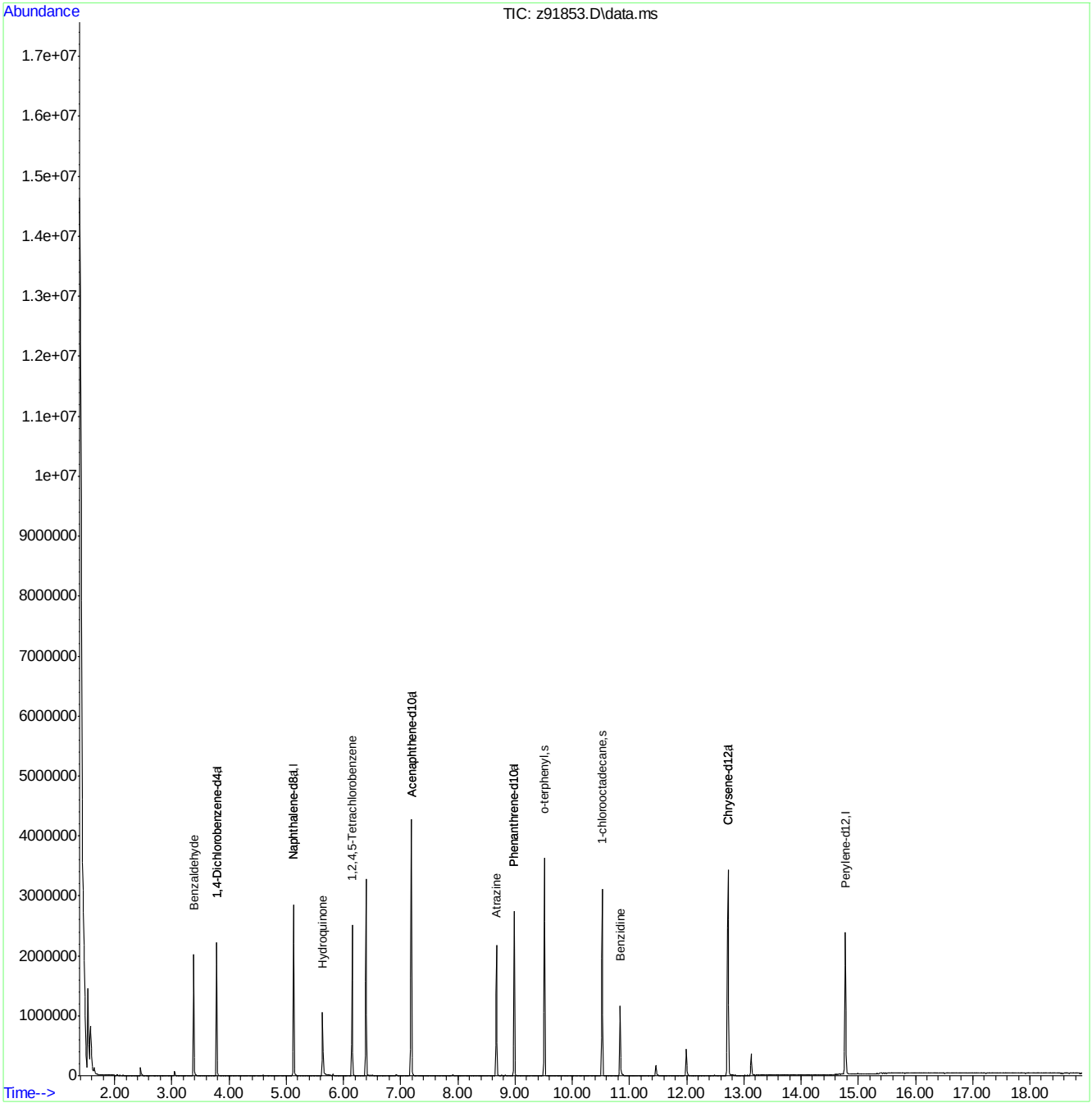
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	320910	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1253030	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	650323	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1105151	40.00	ppb	0.00
83) Chrysene-d12	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

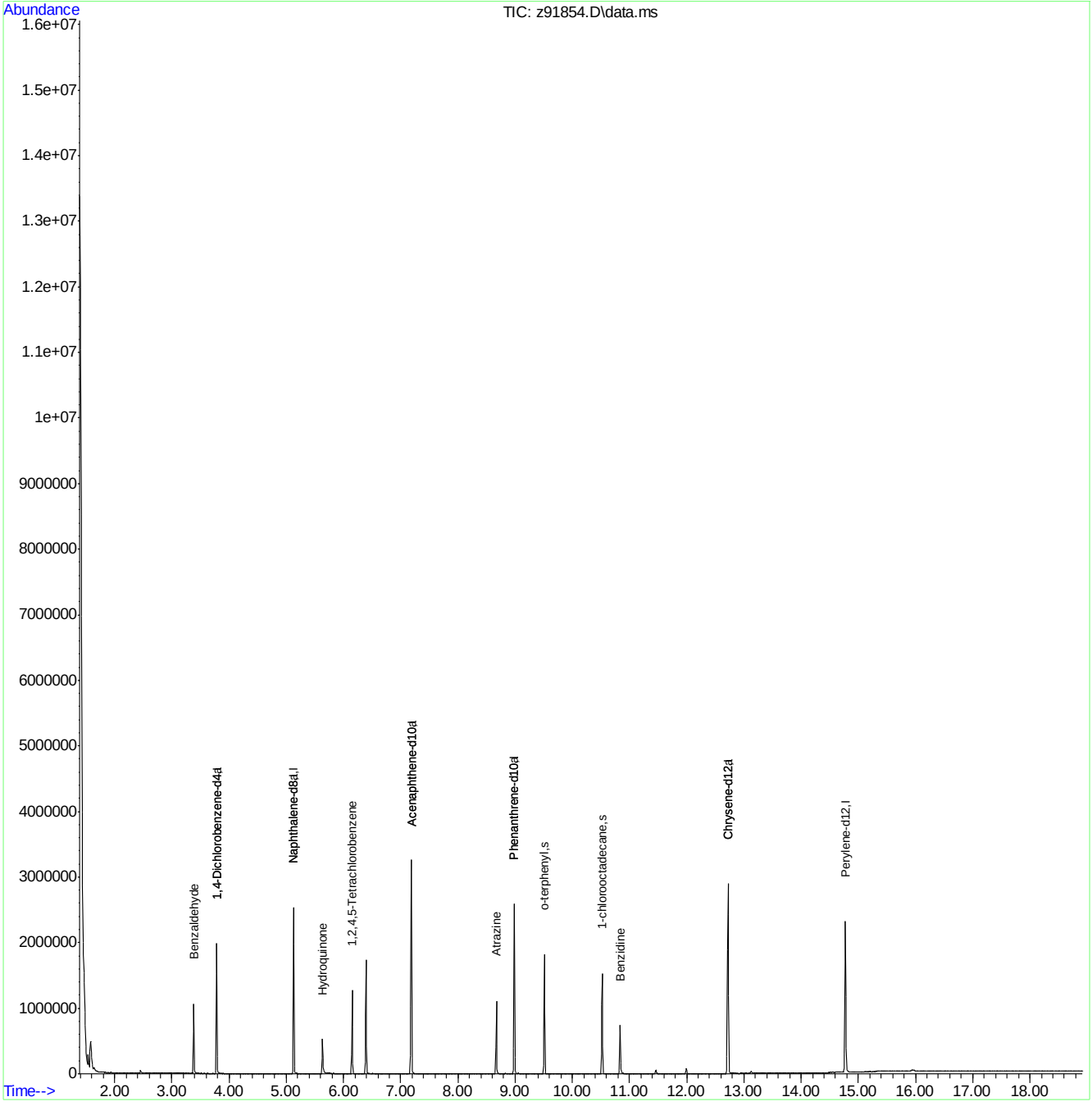
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	285903	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1112578	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	608381	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1050583	40.00	ppb	0.00
83) Chrysene-d12	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

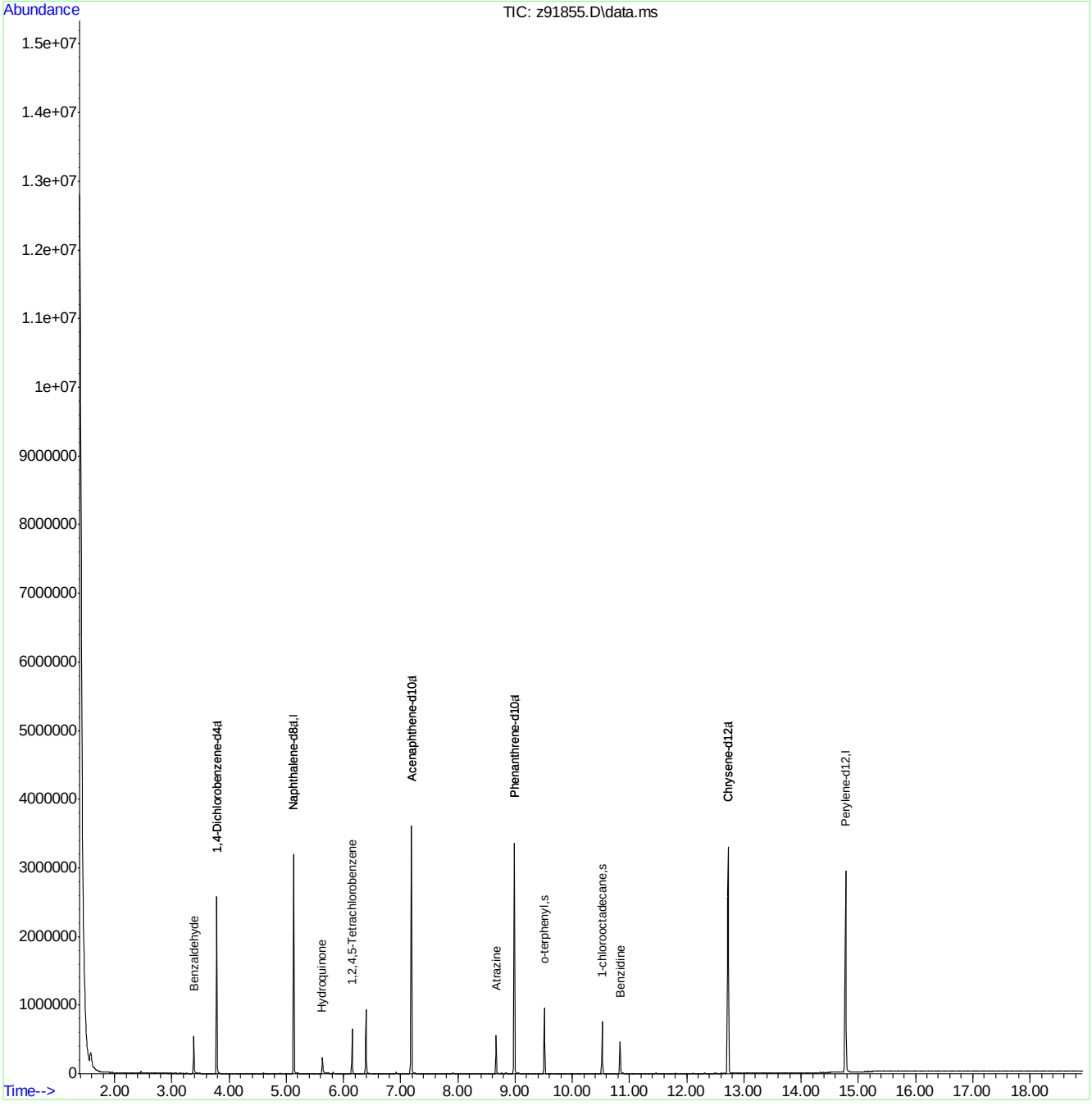
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	362717	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1431322	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	776012	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1320807	40.00	ppb	0.00
83) Chrysene-d12	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



ACCUTEST LABORATORIES JB68173

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

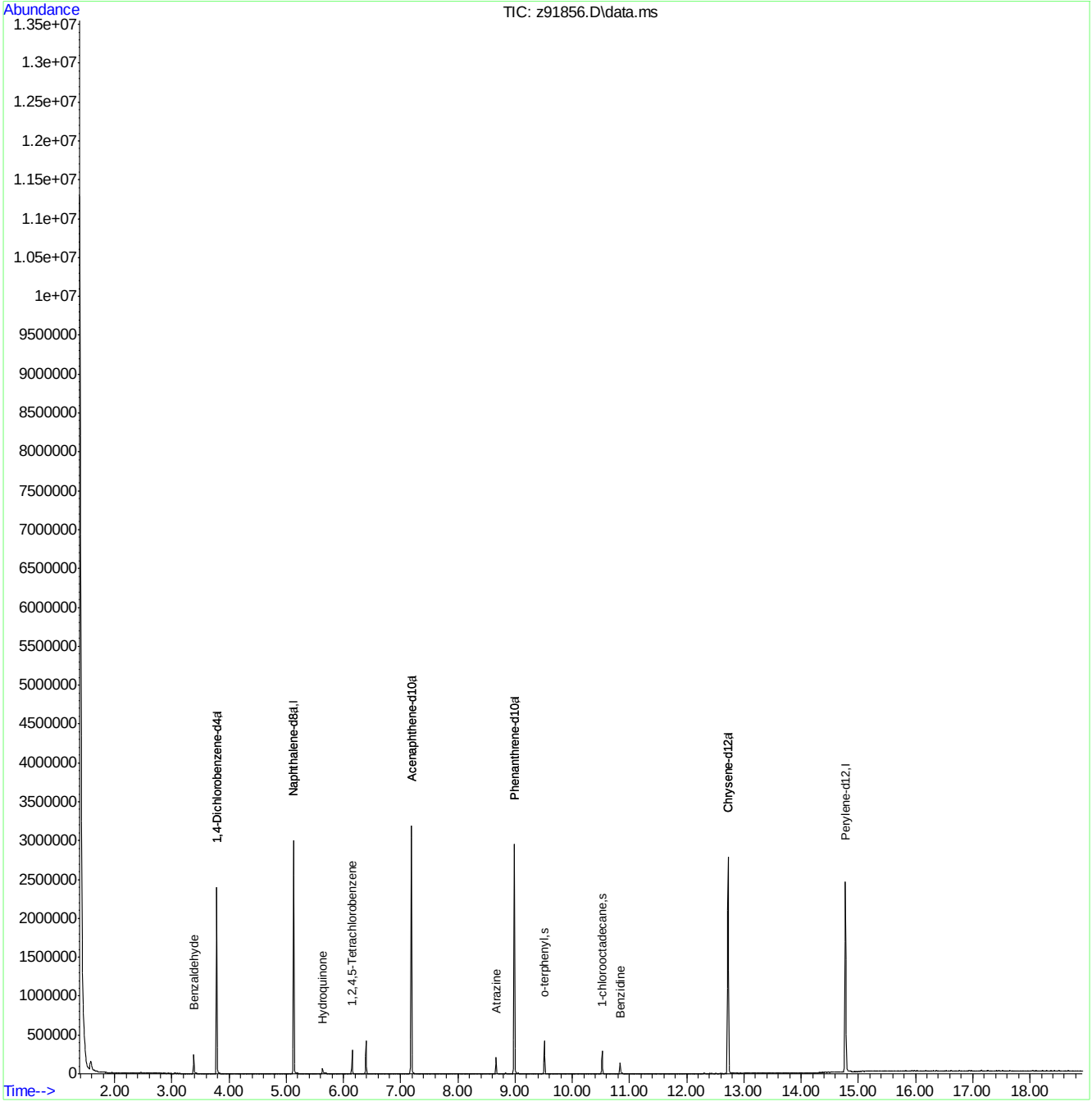
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	337946	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1317498	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	715543	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1200046	40.00	ppb	0.00
83) Chrysene-d12	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

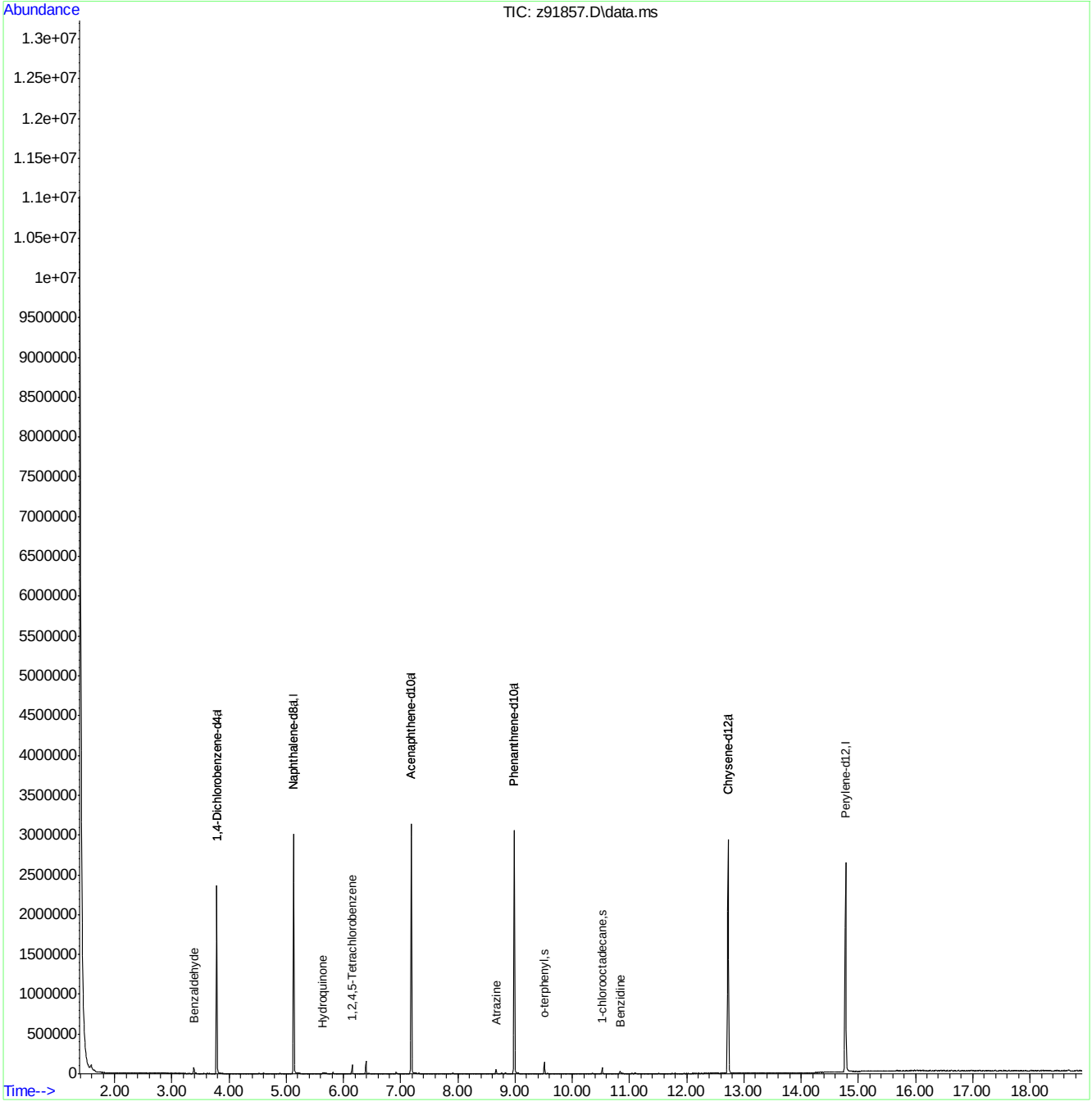
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	334351	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1309039	40.00	ppb	0.02
47) Acenaphthene-d10	7.184	164	722228	40.00	ppb	0.02
69) Phenanthrene-d10	8.984	188	1217625	40.00	ppb	0.02
83) Chrysene-d12	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

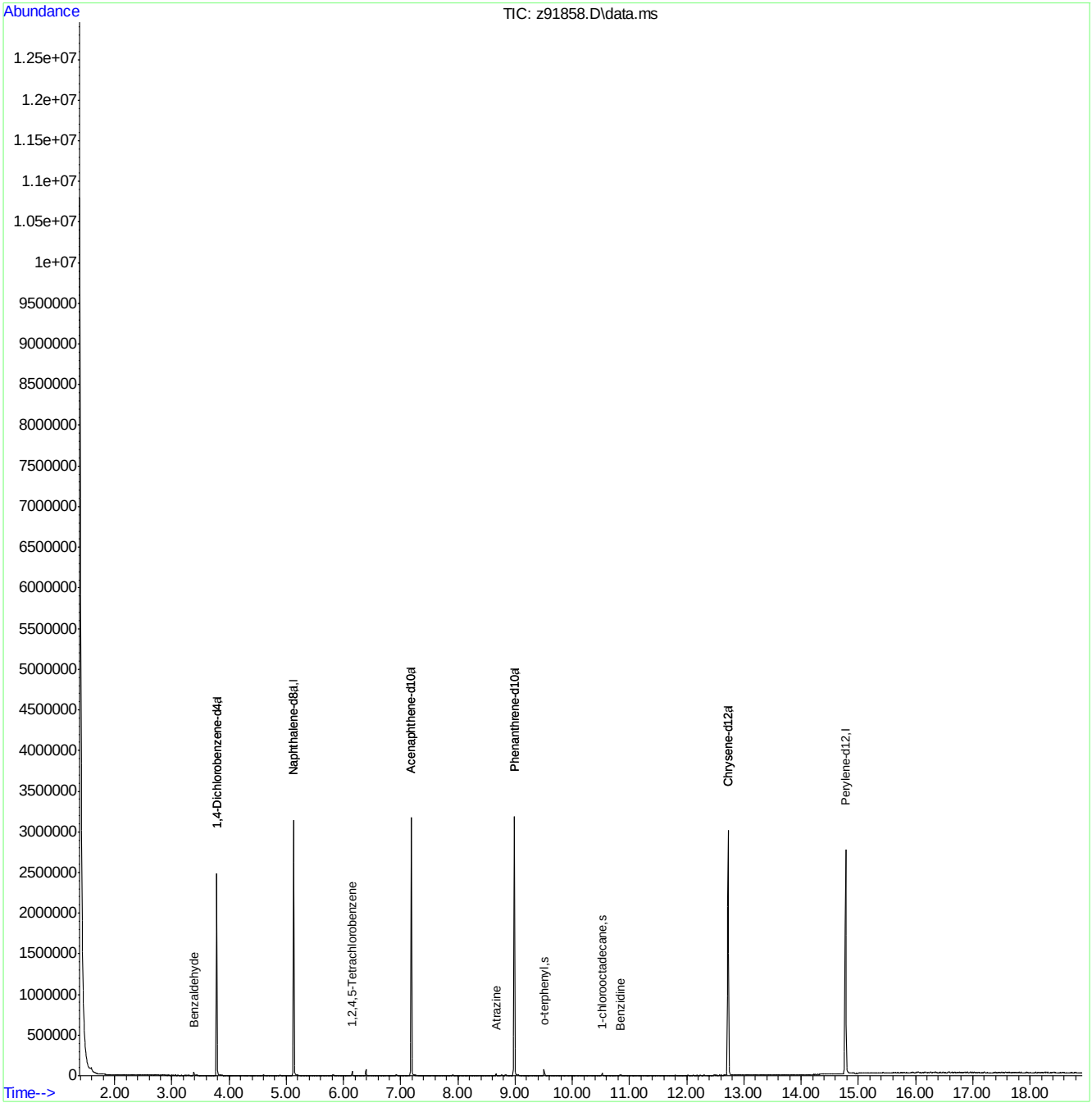
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	353182	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1390994	40.00	ppb	0.00
47) Acenaphthene-d10	7.183	164	750666	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1277825	40.00	ppb	0.00
83) Chrysene-d12	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 : 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

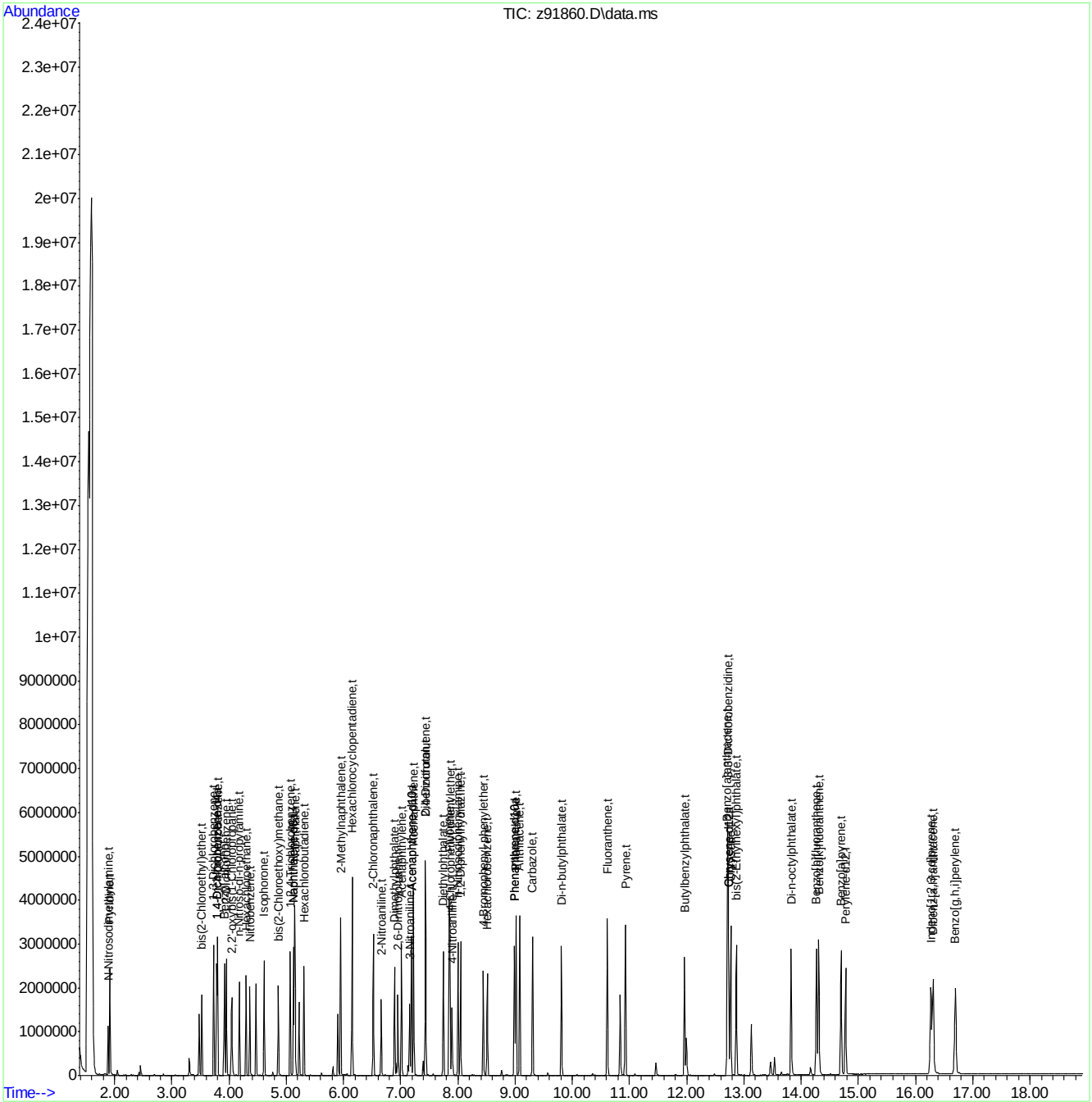
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	2-Chloronaphthalene	6.521	162	971325	44.32	ppb		98
54)	2-Nitroaniline	6.660	65	279347	46.48	ppb		92
55)	Dimethylphthalate	6.895	163	1067610	45.62	ppb		99
56)	Acenaphthylene	7.013	152	1367646	39.72	ppb		100
57)	2,6-Dinitrotoluene	6.954	165	231218	48.21	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

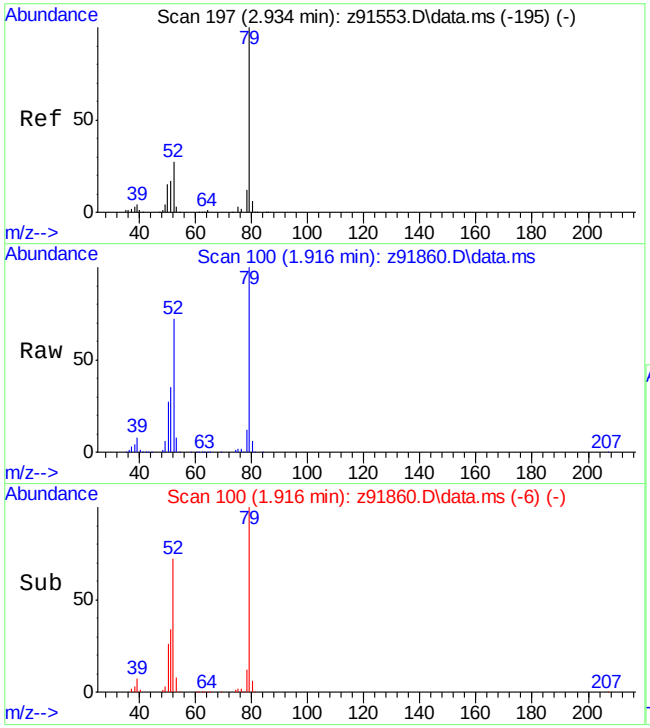
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

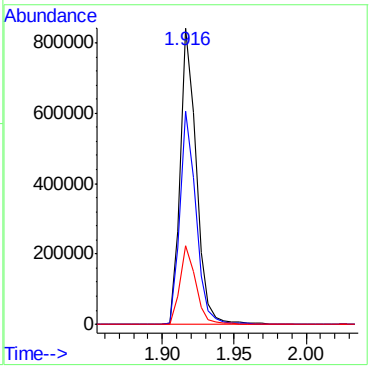


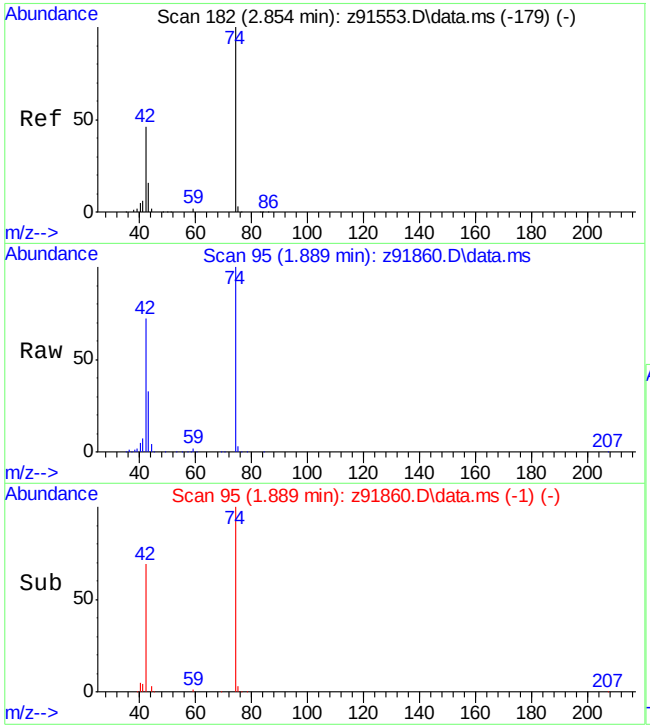


#3
Pyridine
Concen: 42.09 ppb
RT: 1.916 min Scan# 100
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

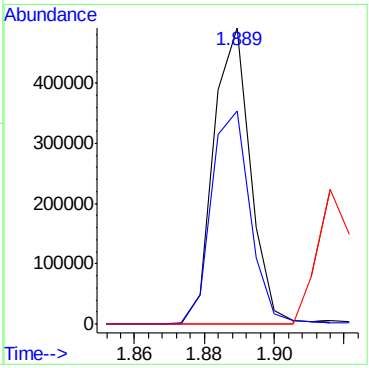


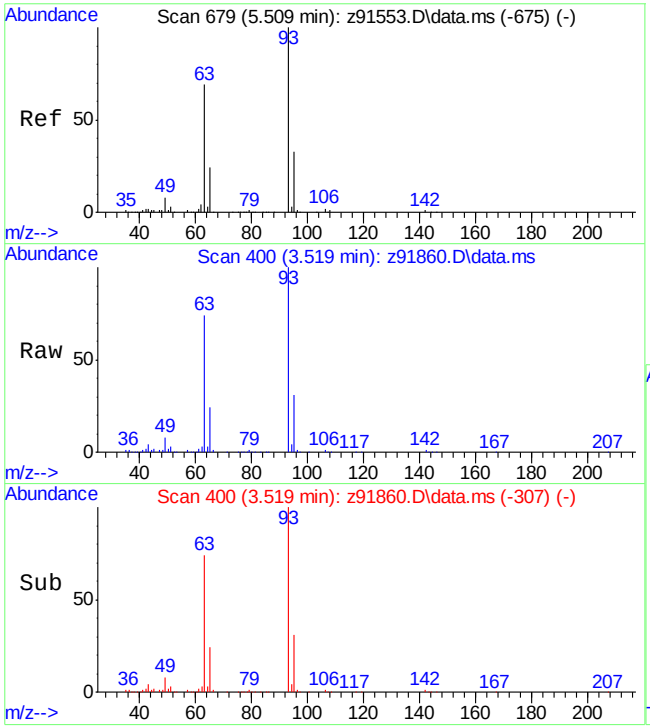


#4
N-Nitrosodimethylamine
Concen: 43.06 ppb
RT: 1.889 min Scan# 95
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

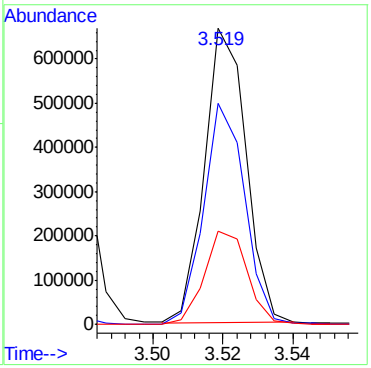


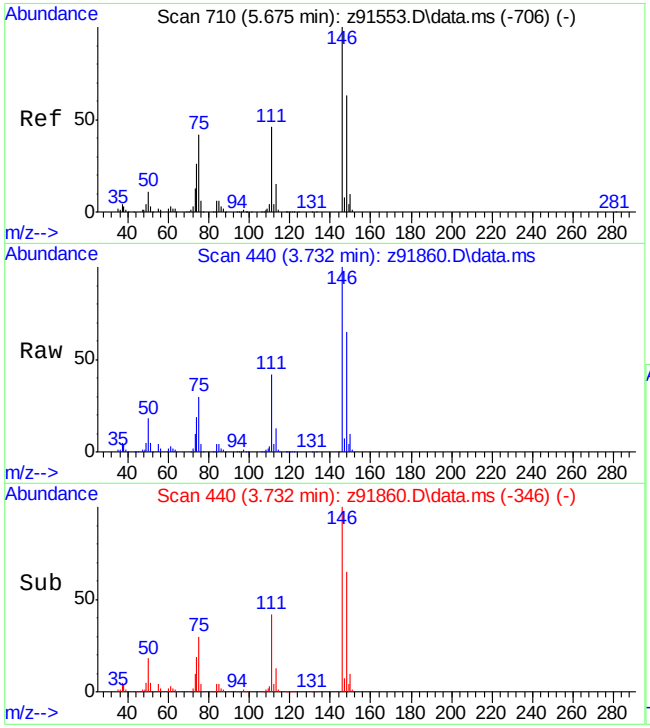


#11
bis(2-Chloroethyl)ether
Concen: 46.73 ppb
RT: 3.519 min Scan# 400
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

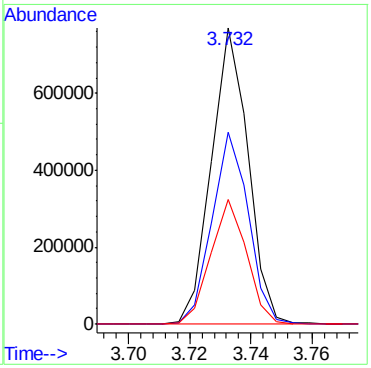


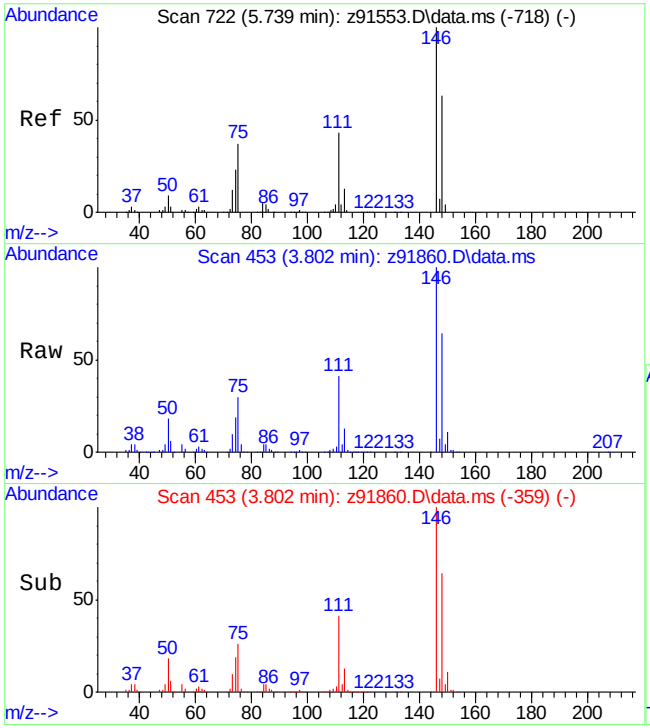


#14
1,3-Dichlorobenzene
Concen: 44.40 ppb
RT: 3.732 min Scan# 440
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

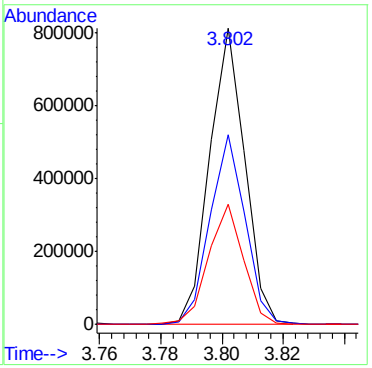


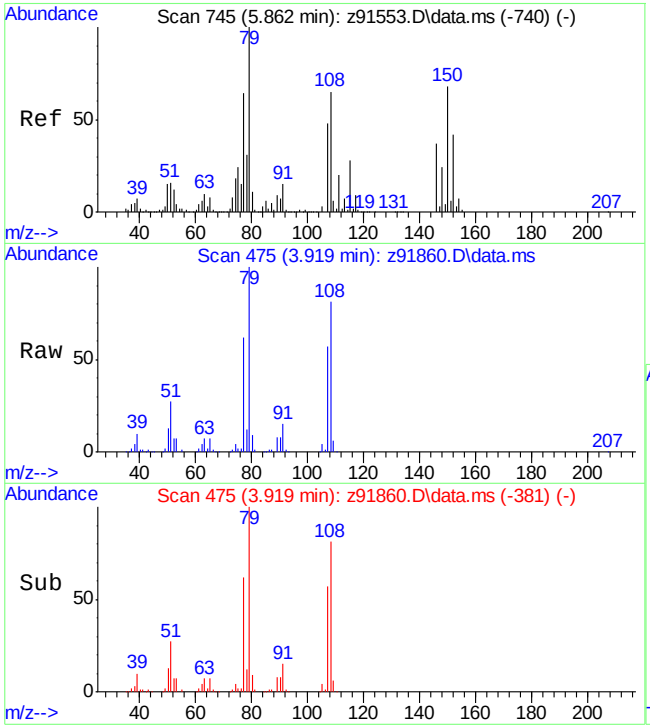


#15
1,4-Dichlorobenzene
Concen: 43.76 ppb
RT: 3.802 min Scan# 453
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

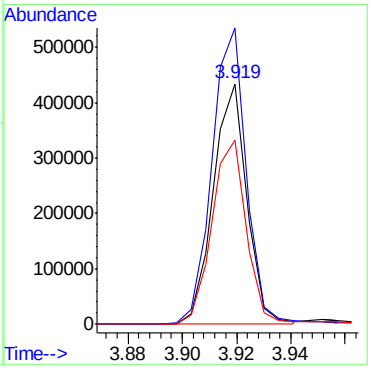


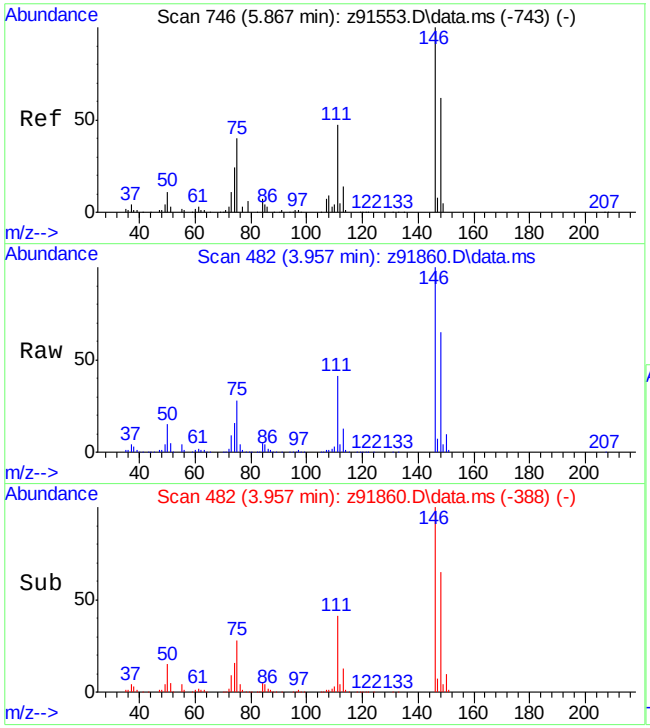


#16
Benzyl alcohol
Concen: 46.01 ppb
RT: 3.919 min Scan# 475
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

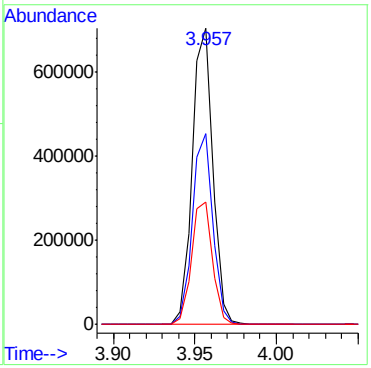


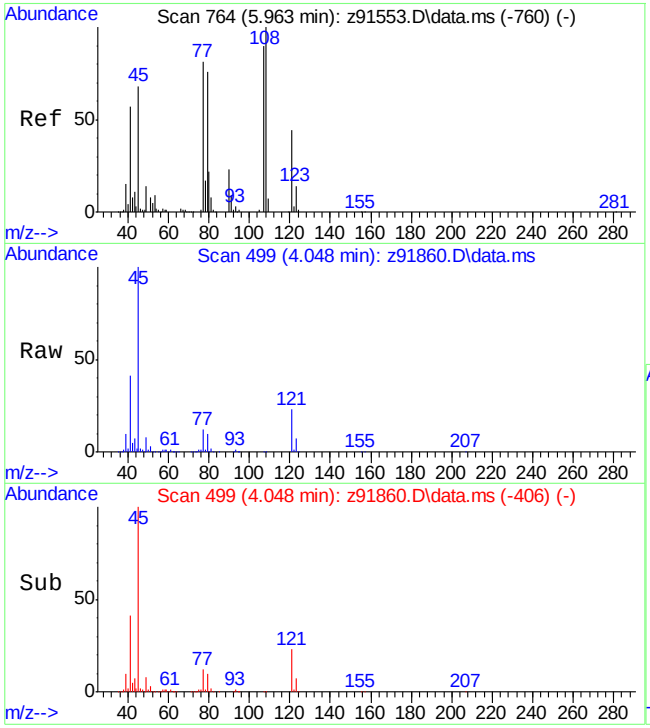


#17
1,2-Dichlorobenzene
Concen: 44.63 ppb
RT: 3.957 min Scan# 482
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

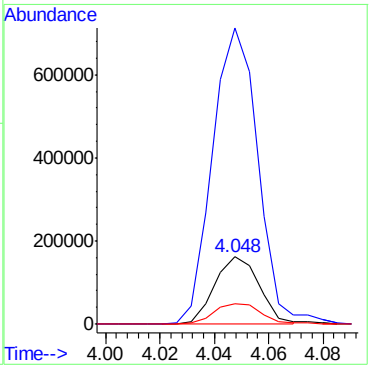


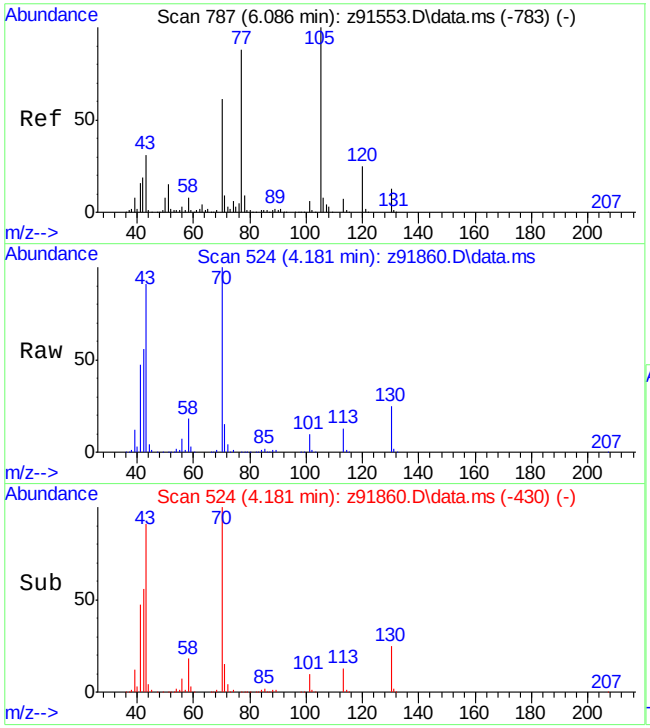


#20
2,2'-oxybis(1-Chloropropane
Concen: 47.10 ppb
RT: 4.048 min Scan# 499
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

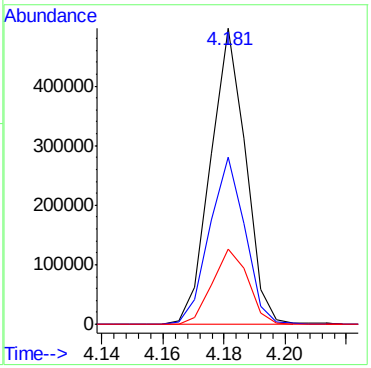


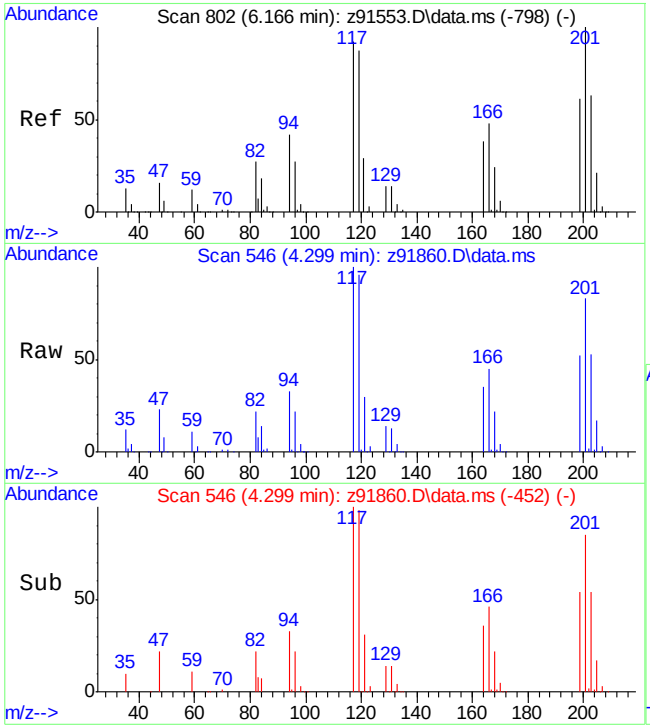


#22
n-Nitroso-di-n-propylamine
Concen: 46.29 ppb
RT: 4.181 min Scan# 524
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

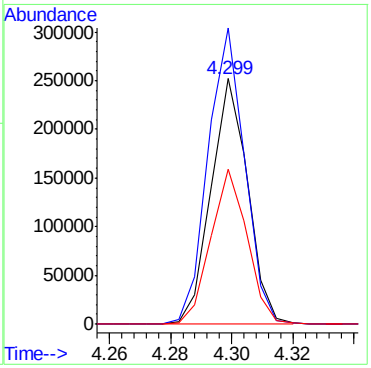


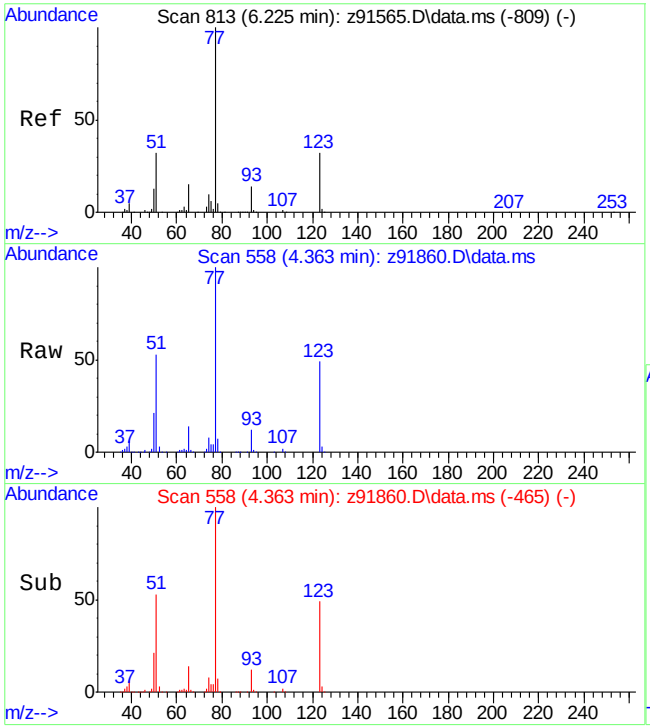


#23
Hexachloroethane
Concen: 45.83 ppb
RT: 4.299 min Scan# 546
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

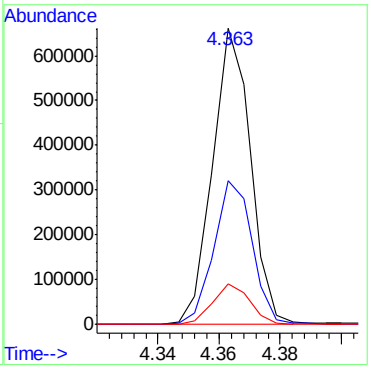


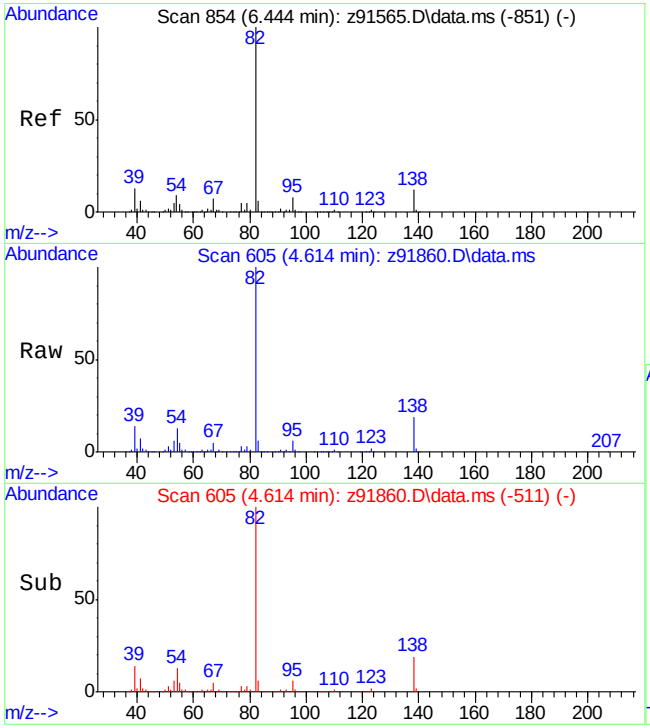


#26
Nitrobenzene
Concen: 43.05 ppb
RT: 4.363 min Scan# 558
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

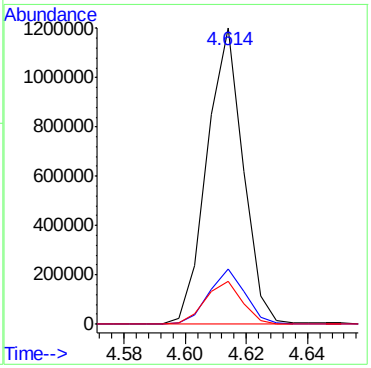


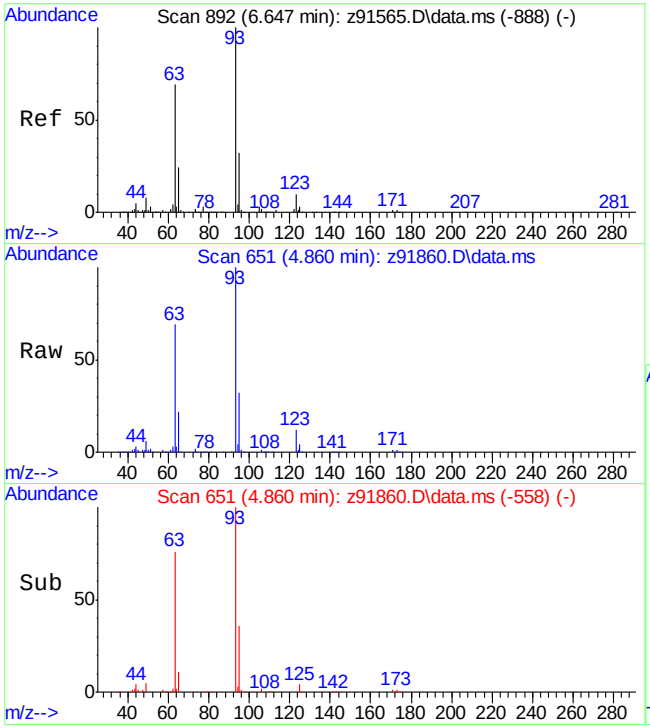


#28
Isophorone
Concen: 44.97 ppb
RT: 4.614 min Scan# 605
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

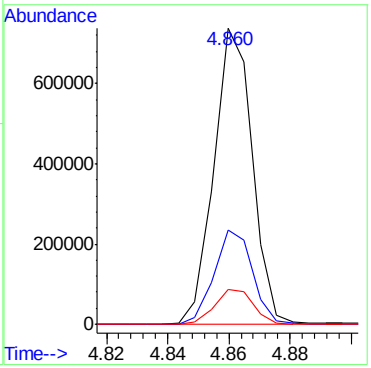


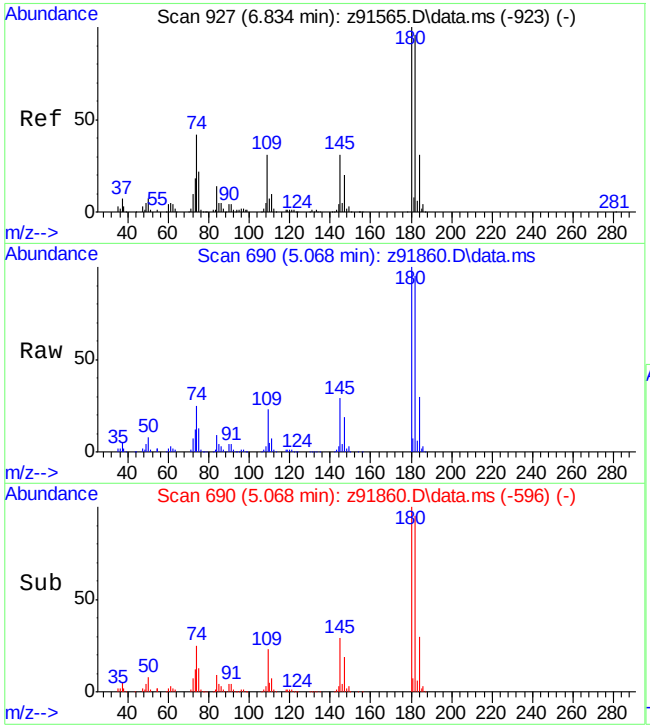


#32
bis(2-Chloroethoxy)methane
Concen: 48.56 ppb
RT: 4.860 min Scan# 651
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

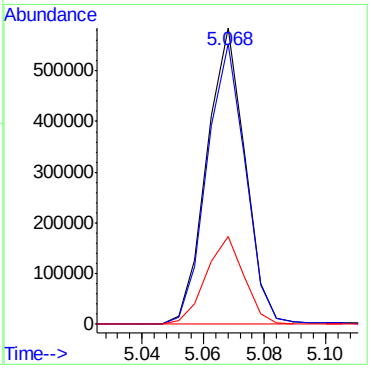


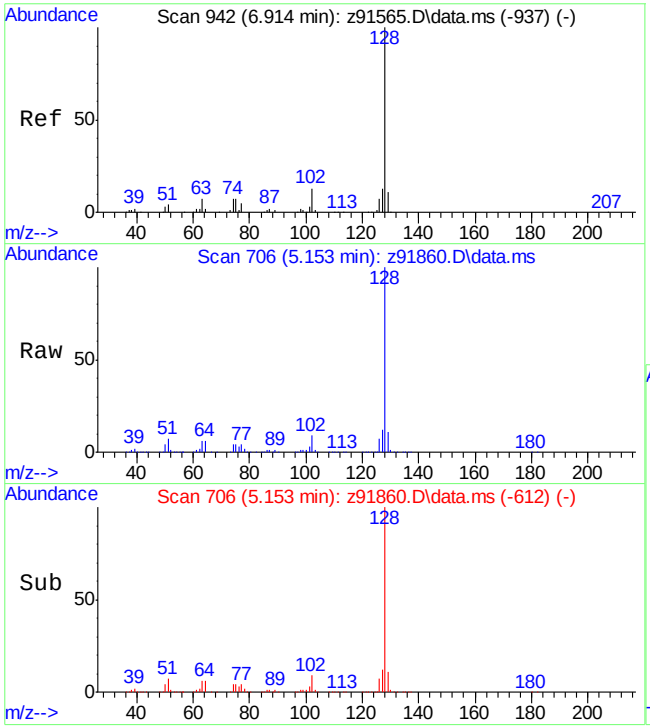


#36
1,2,4-Trichlorobenzene
Concen: 44.86 ppb
RT: 5.068 min Scan# 690
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

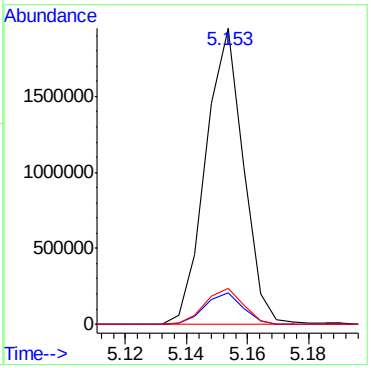


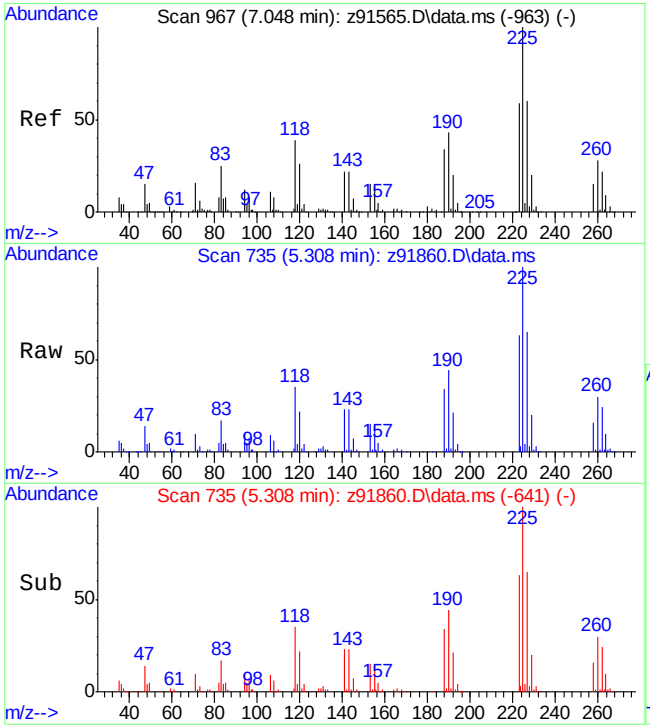


#38
Naphthalene
Concen: 43.88 ppb
RT: 5.153 min Scan# 706
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

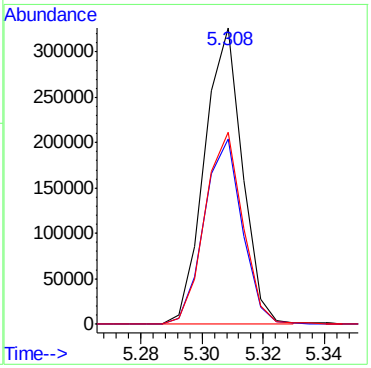


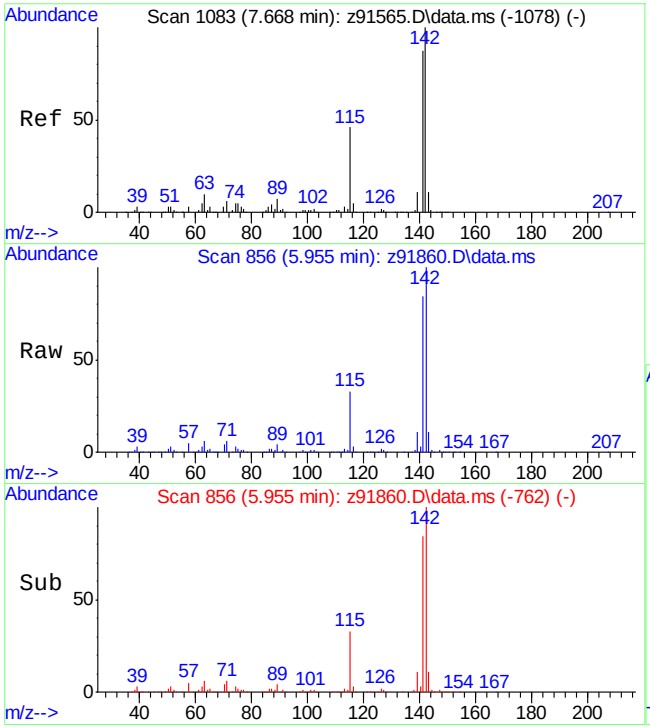


#42
Hexachlorobutadiene
Concen: 45.61 ppb
RT: 5.308 min Scan# 735
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

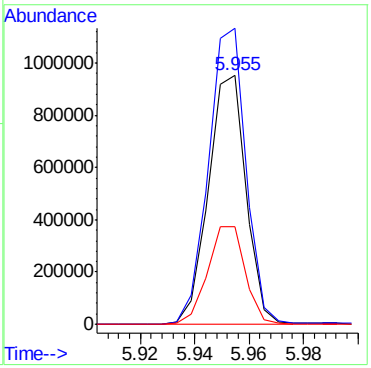


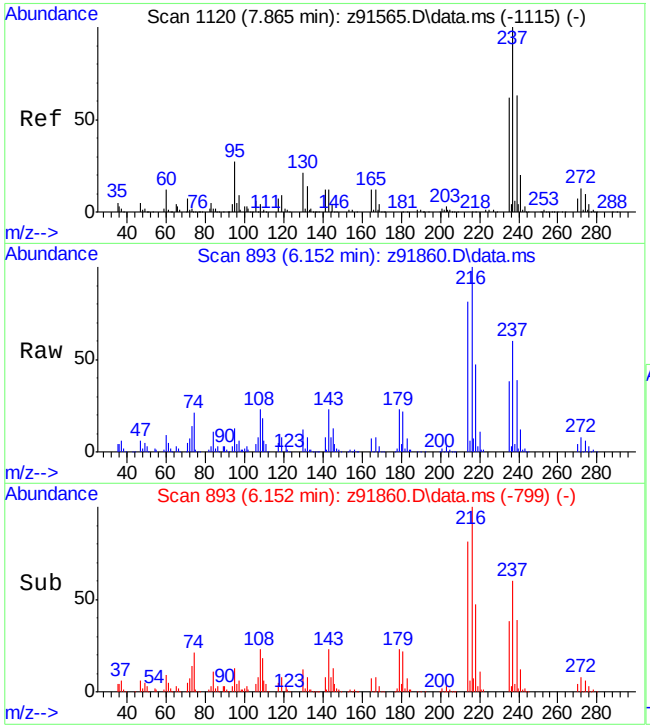


#44
2-Methylnaphthalene
Concen: 44.53 ppb
RT: 5.955 min Scan# 856
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

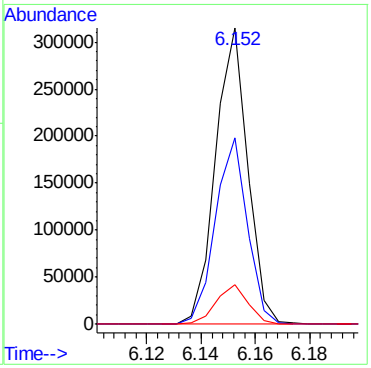


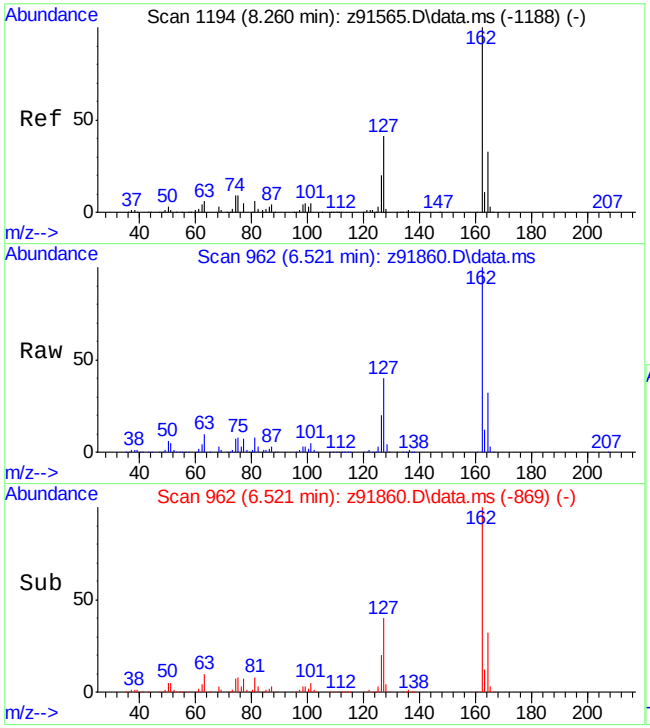


#48
Hexachlorocyclopentadiene
Concen: 44.33 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

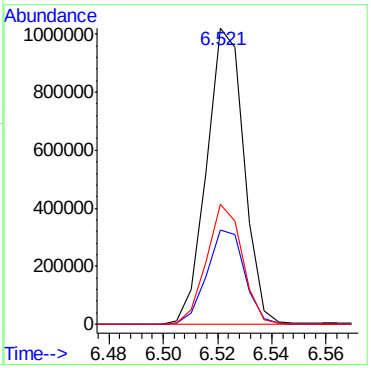


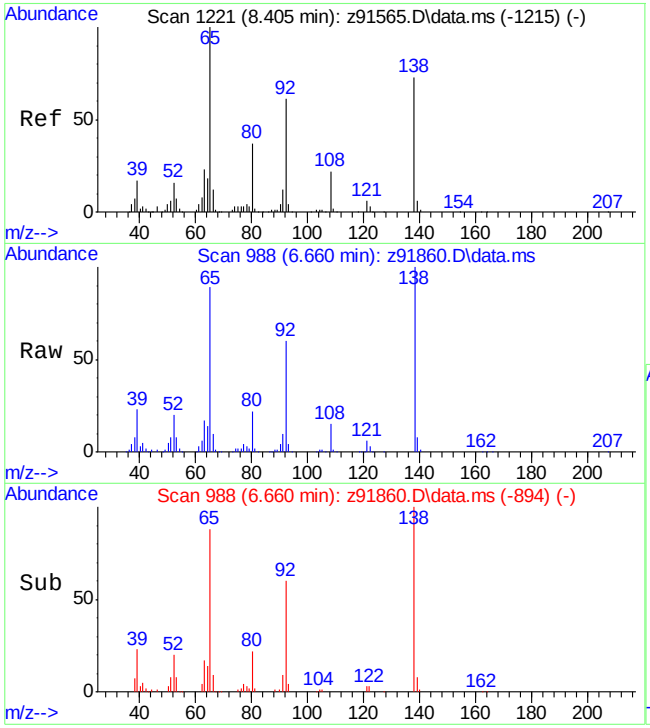


#52
2-Chloronaphthalene
Concen: 44.32 ppb
RT: 6.521 min Scan# 962
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

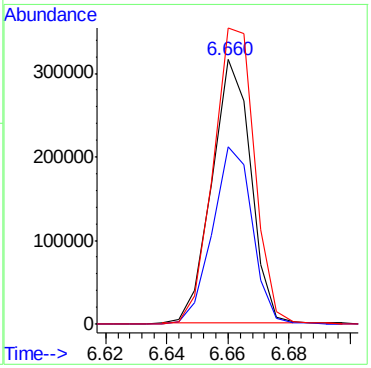


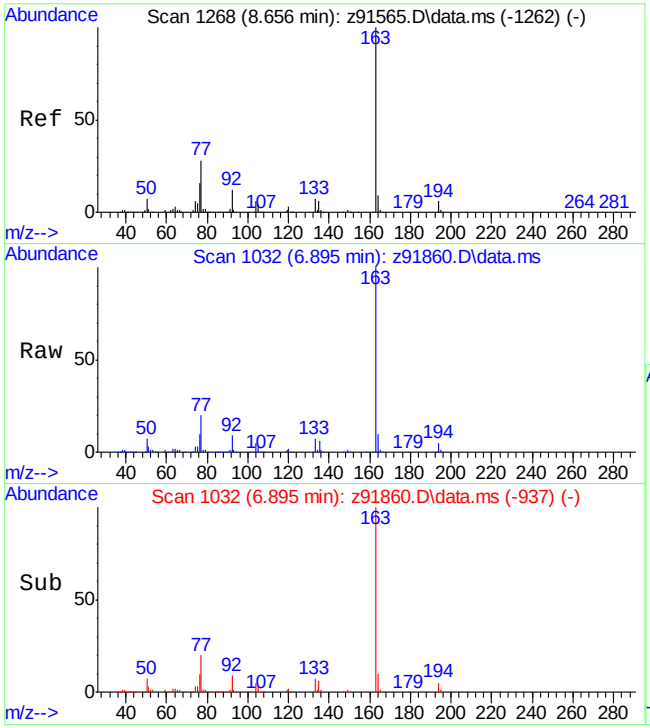


#54
2-Nitroaniline
Concen: 46.48 ppb
RT: 6.660 min Scan# 988
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

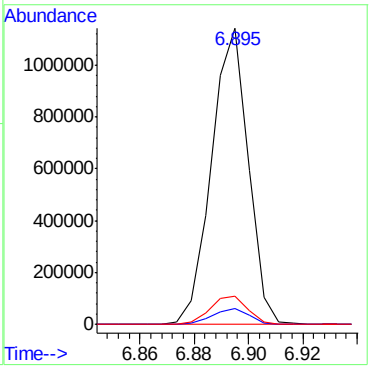


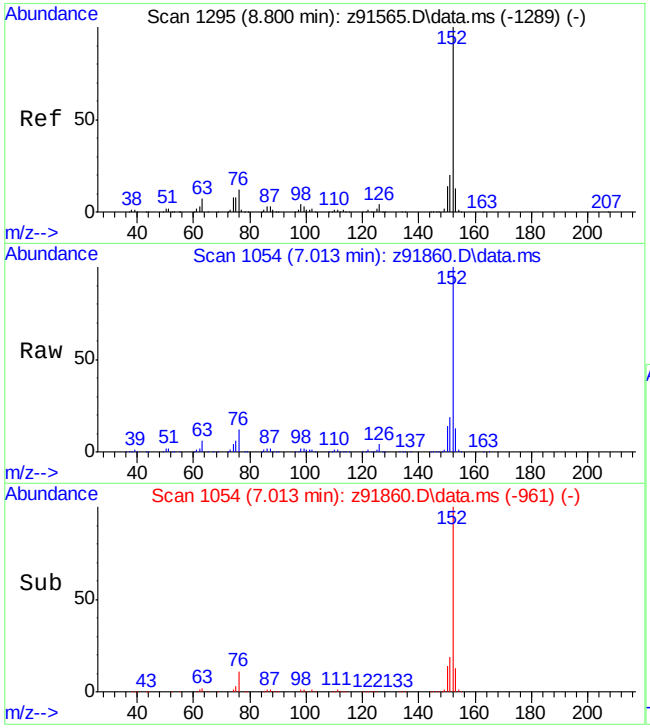


#55
Dimethylphthalate
Concen: 45.62 ppb
RT: 6.895 min Scan# 1032
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

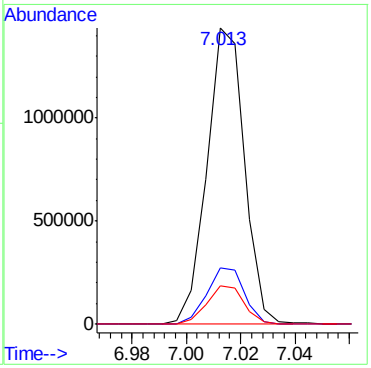


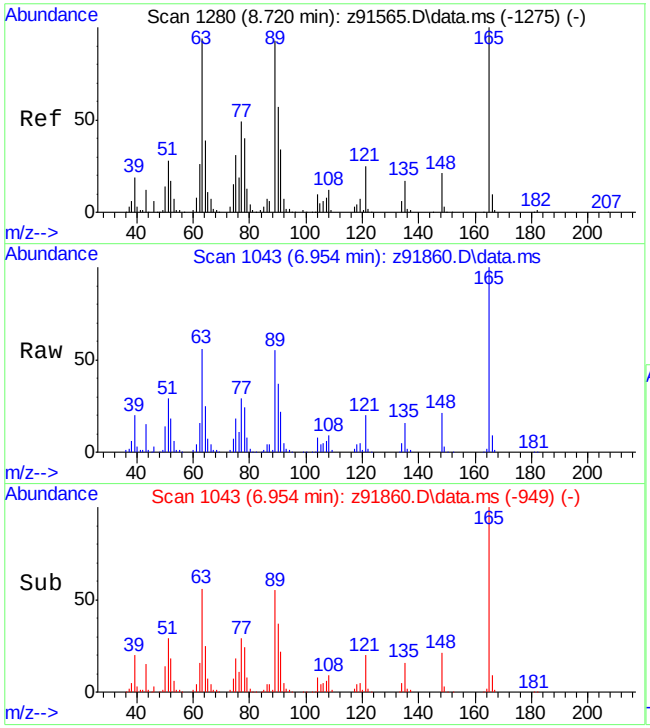


#56
Acenaphthylene
Concen: 39.72 ppb
RT: 7.013 min Scan# 1054
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

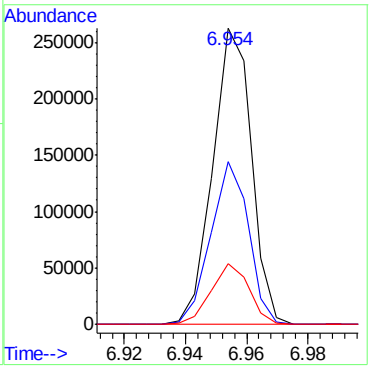


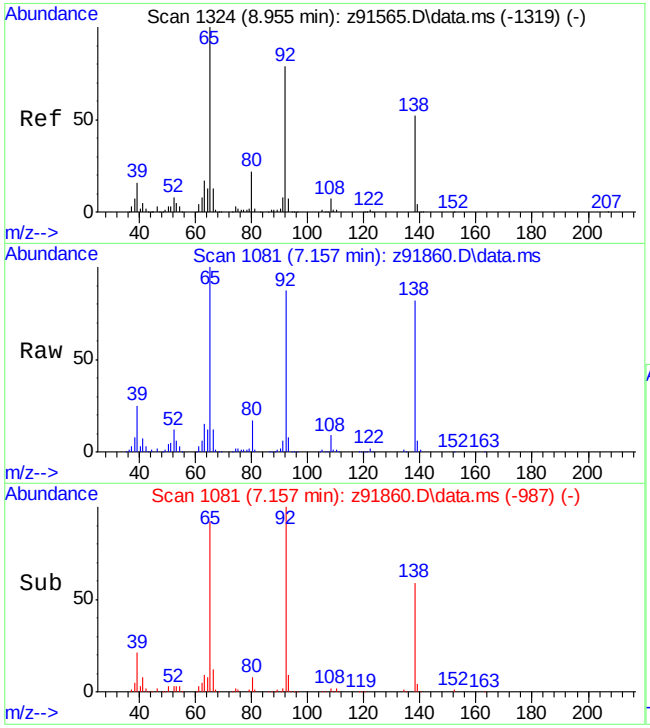


#57
2,6-Dinitrotoluene
Concen: 48.21 ppb
RT: 6.954 min Scan# 1043
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

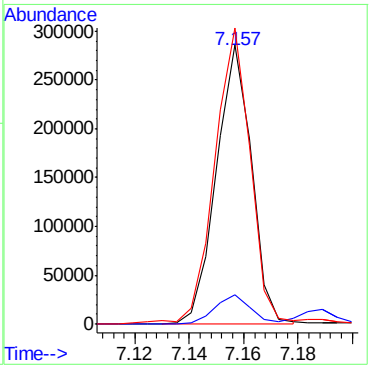


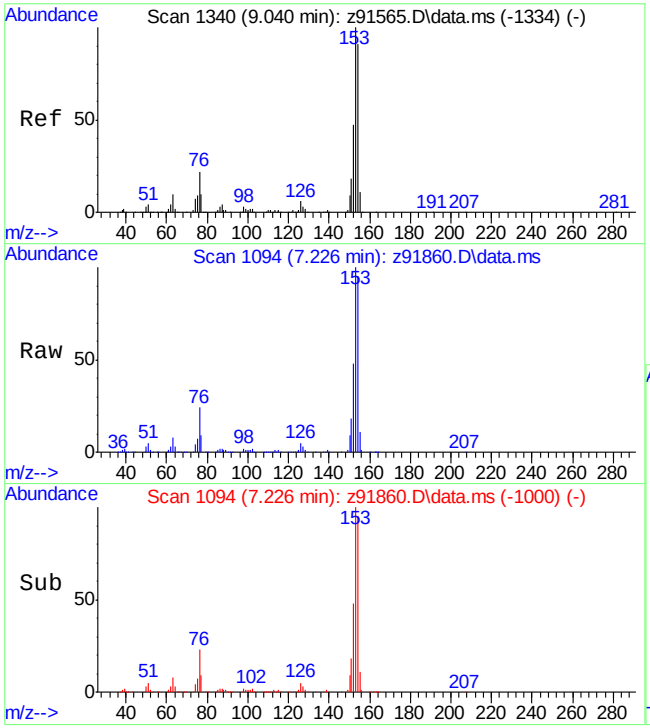


#58
3-Nitroaniline
Concen: 42.22 ppb
RT: 7.157 min Scan# 1081
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

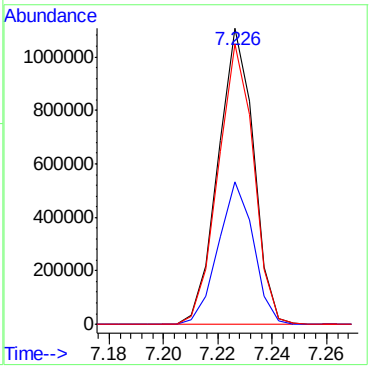


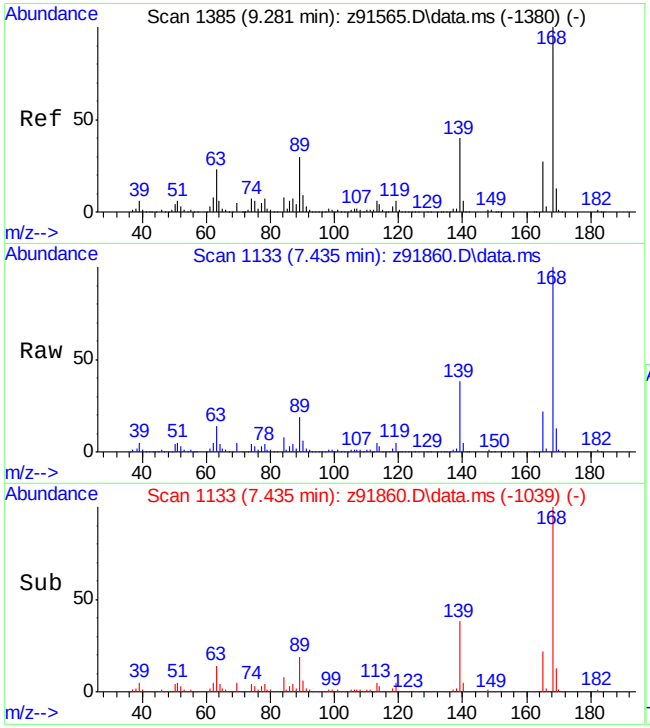


#59
Acenaphthene
Concen: 45.95 ppb
RT: 7.226 min Scan# 1094
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

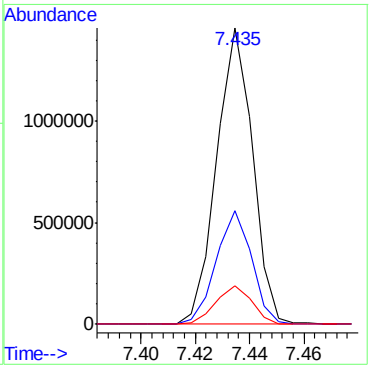


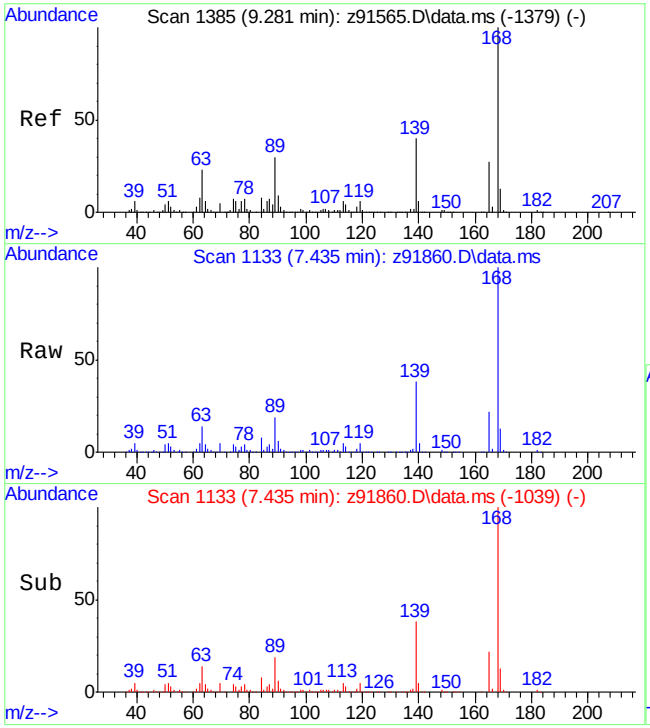


#62
Dibenzofuran
Concen: 44.21 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

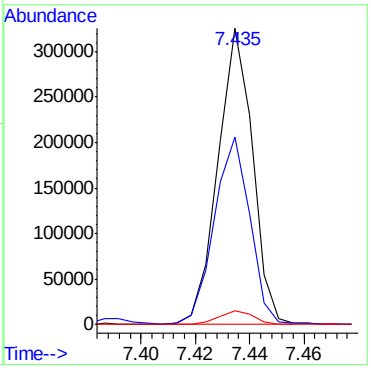


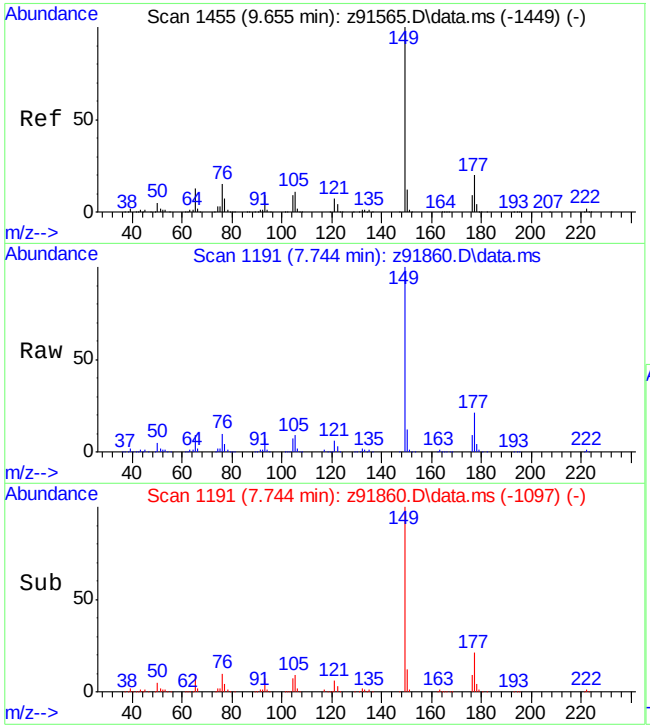


#63
2,4-Dinitrotoluene
Concen: 44.00 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

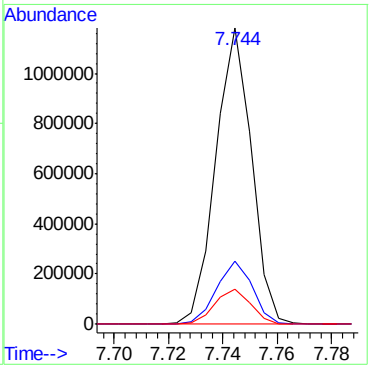


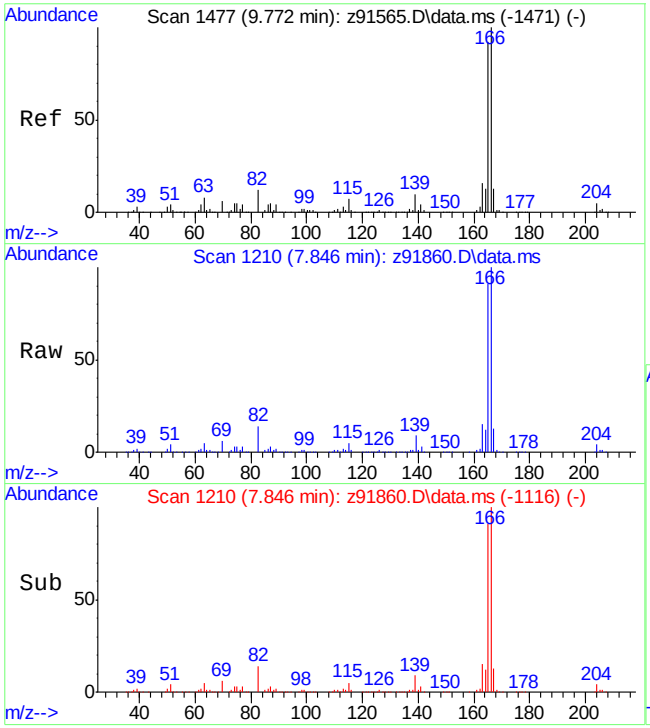


#65
Diethylphthalate
Concen: 47.19 ppb
RT: 7.744 min Scan# 1191
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

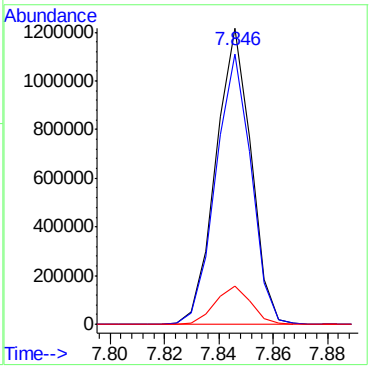


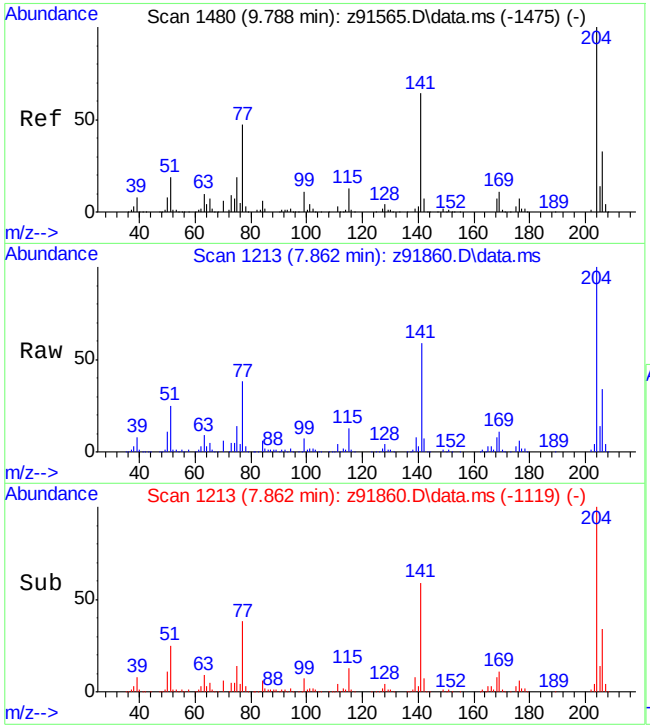


#66
Fluorene
Concen: 46.06 ppb
RT: 7.846 min Scan# 1210
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

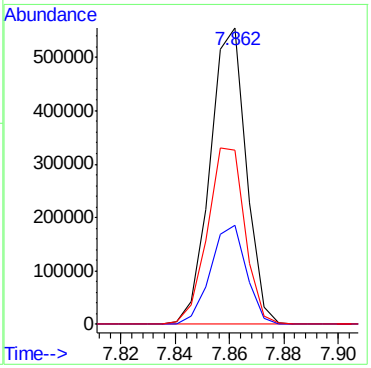


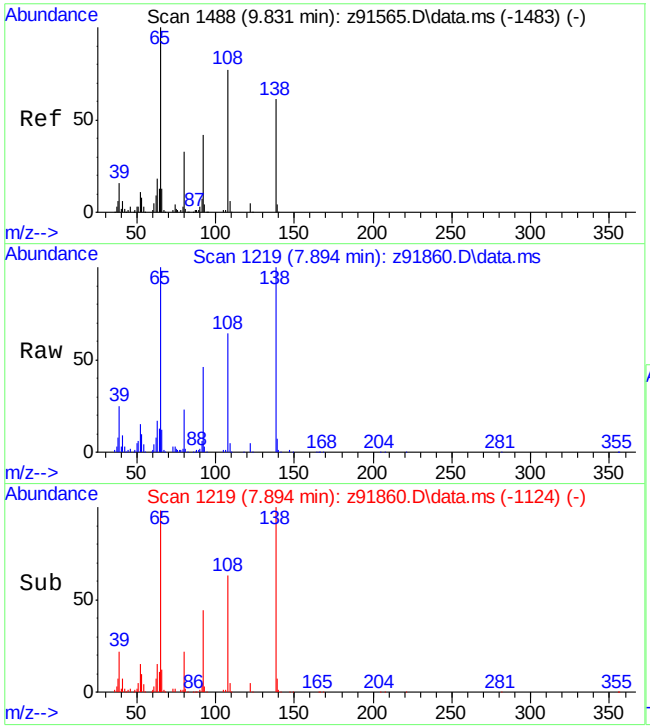


#67
4-Chlorophenyl-phenylether
Concen: 46.23 ppb
RT: 7.862 min Scan# 1213
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

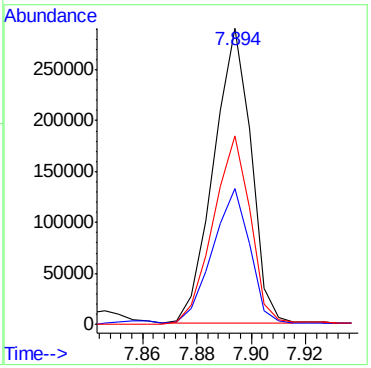


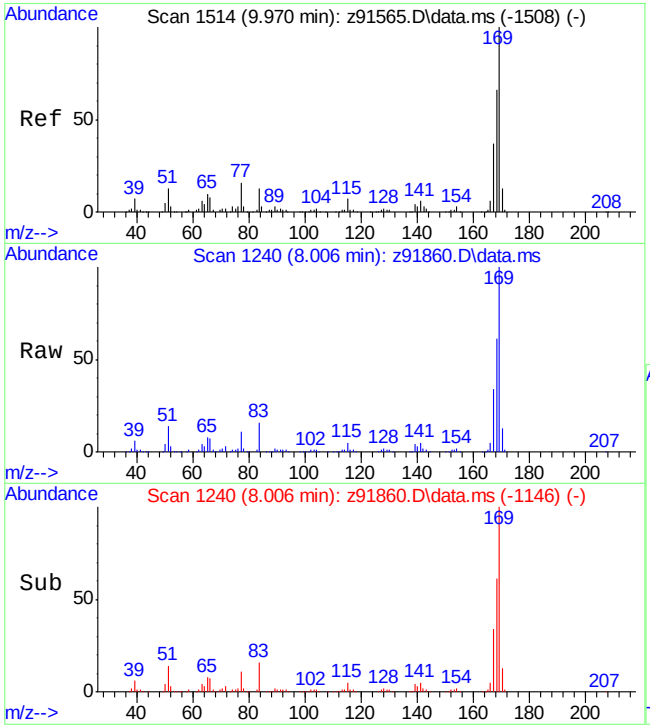


#68
4-Nitroaniline
Concen: 45.45 ppb
RT: 7.894 min Scan# 1219
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

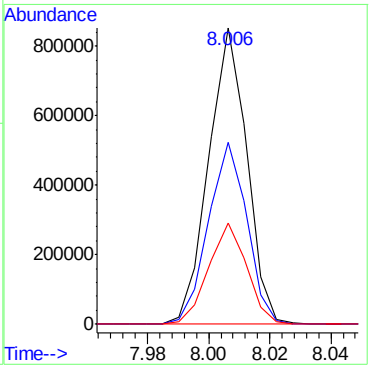


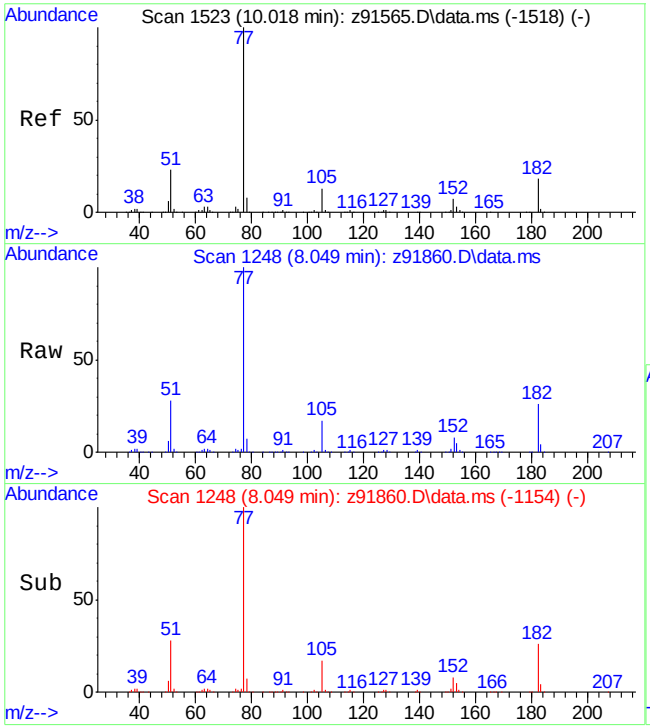


#71
n-Nitrosodiphenylamine
Concen: 48.46 ppb
RT: 8.006 min Scan# 1240
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

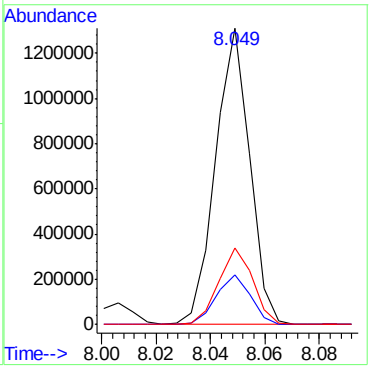


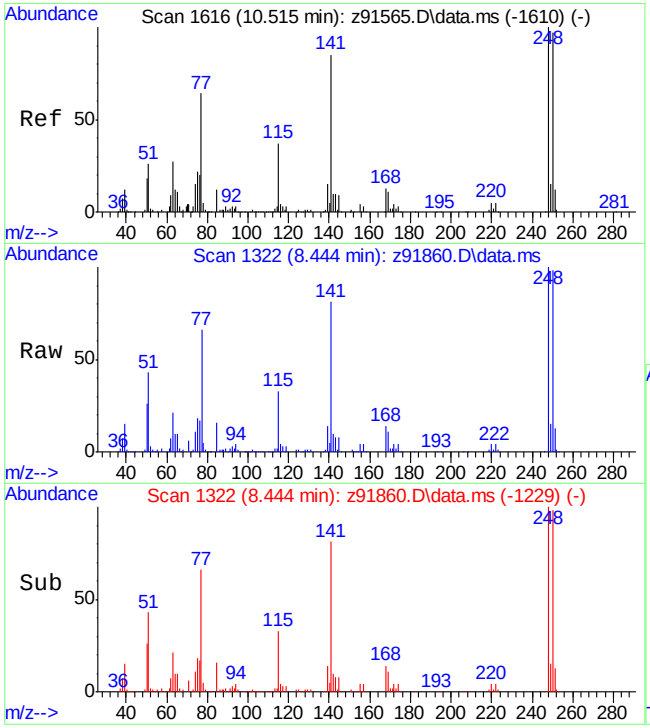


#72
1,2-Diphenylhydrazine
Concen: 48.20 ppb
RT: 8.049 min Scan# 1248
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

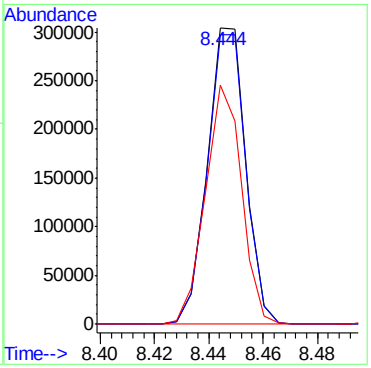


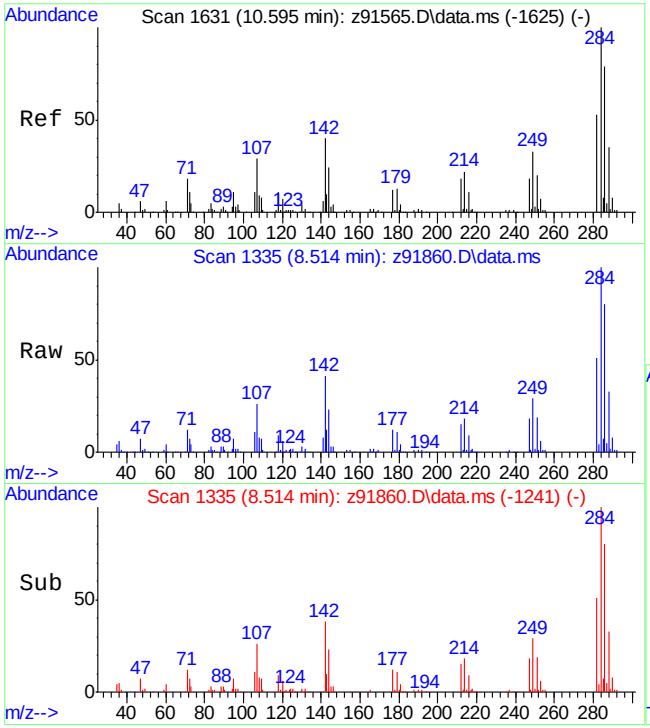


#74
4-Bromophenyl-phenylether
Concen: 48.44 ppb
RT: 8.444 min Scan# 1322
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

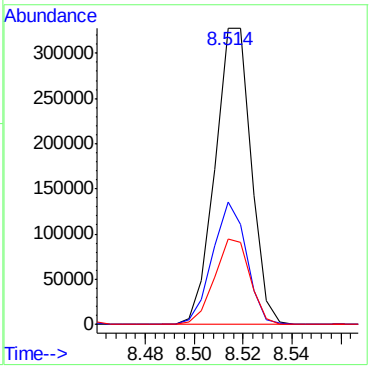


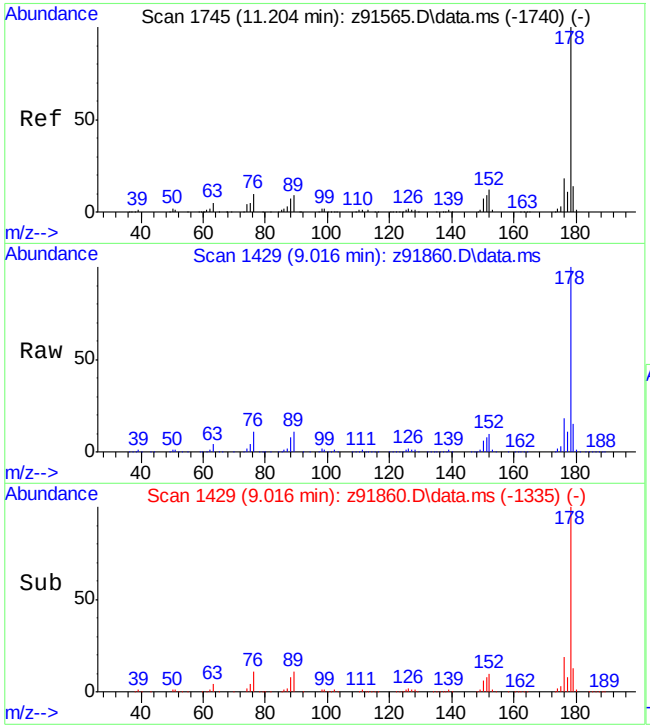


#75
Hexachlorobenzene
Concen: 46.00 ppb
RT: 8.514 min Scan# 1335
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

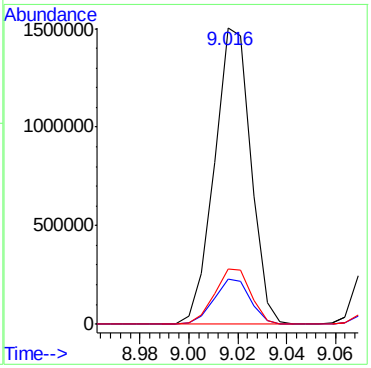


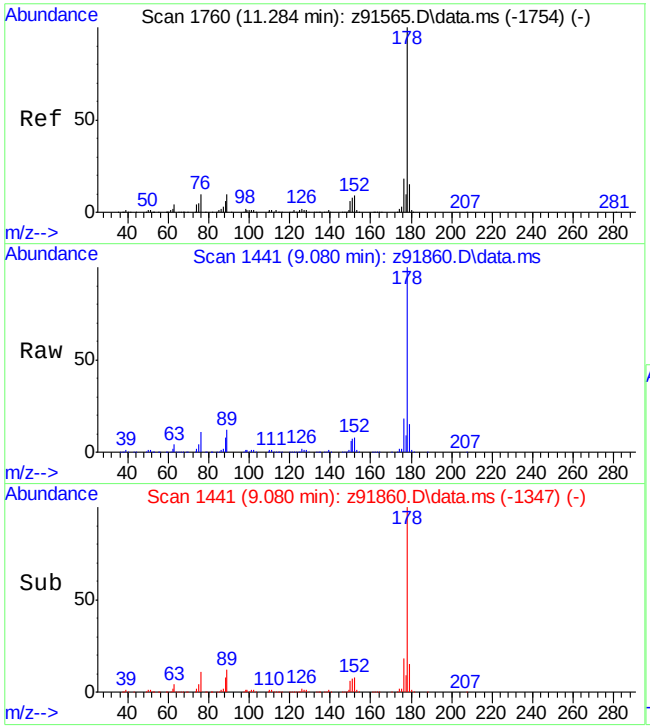


#77
Phenanthrene
Concen: 44.66 ppb
RT: 9.016 min Scan# 1429
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

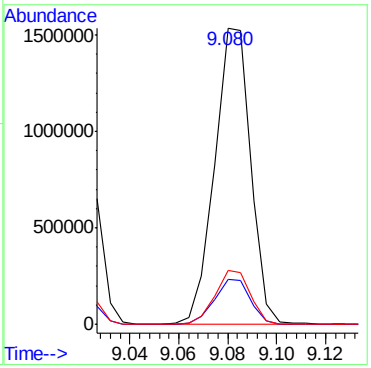


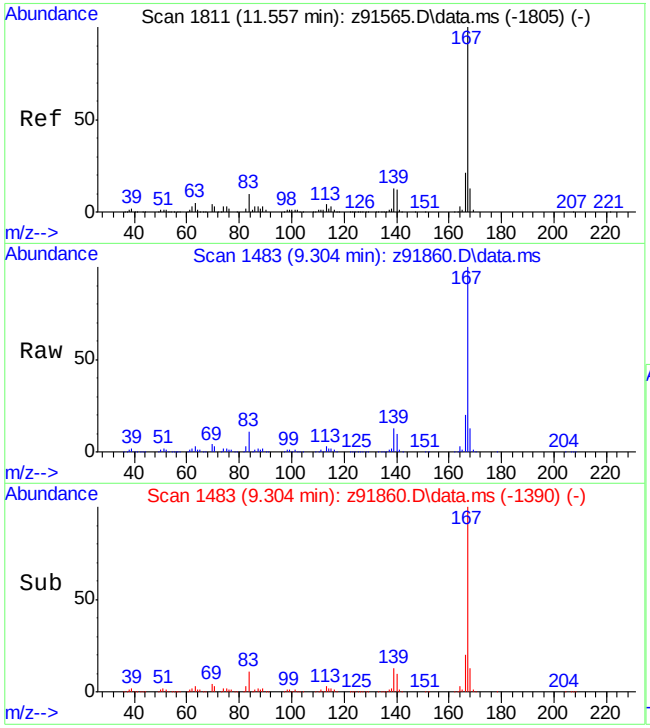


#78
Anthracene
Concen: 46.66 ppb
RT: 9.080 min Scan# 1441
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

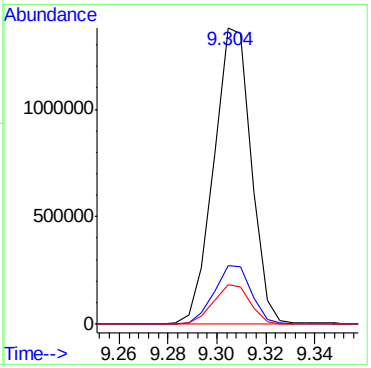


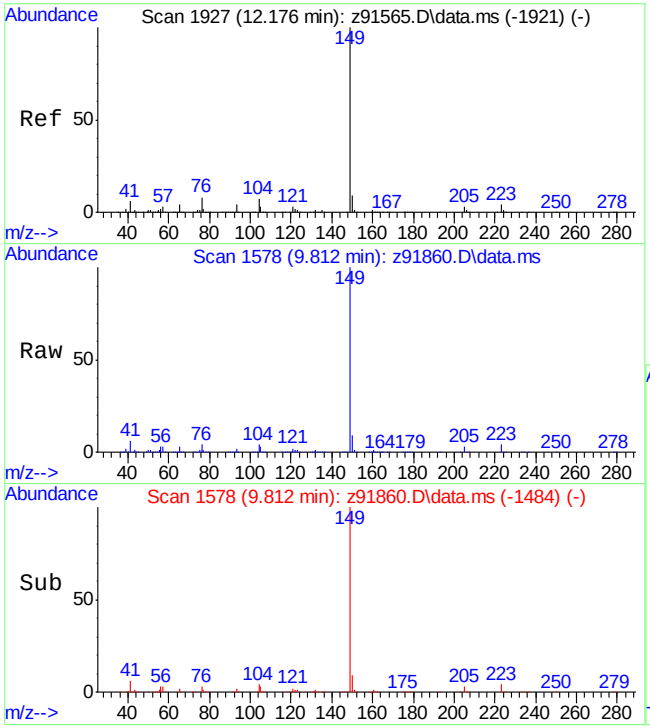


#79
Carbazole
Concen: 41.76 ppb
RT: 9.304 min Scan# 1483
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

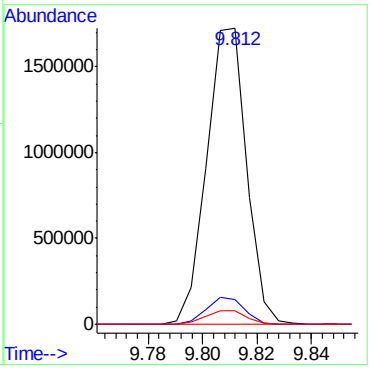


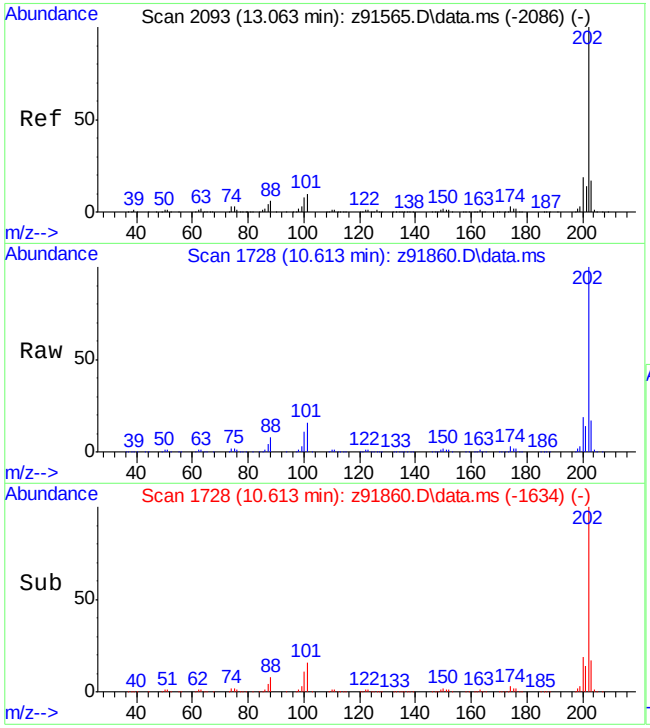


#80
Di-n-butylphthalate
Concen: 50.88 ppb
RT: 9.812 min Scan# 1578
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

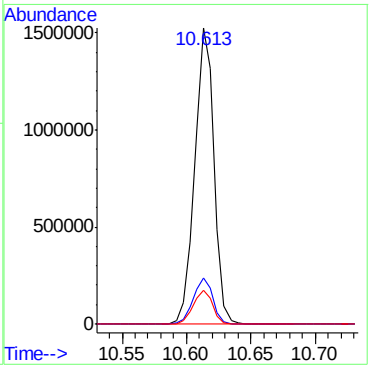


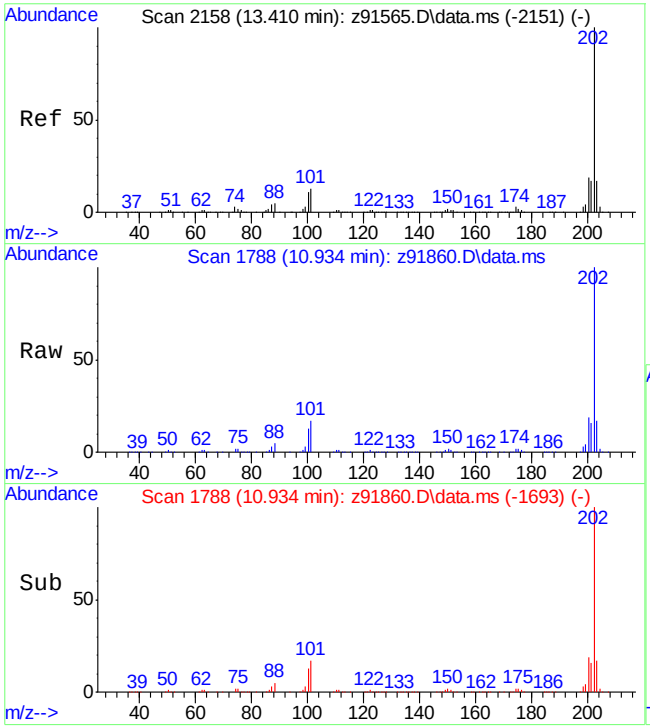


#81
Fluoranthene
Concen: 47.32 ppb
RT: 10.613 min Scan# 1728
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

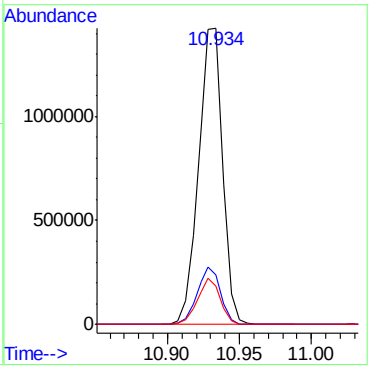


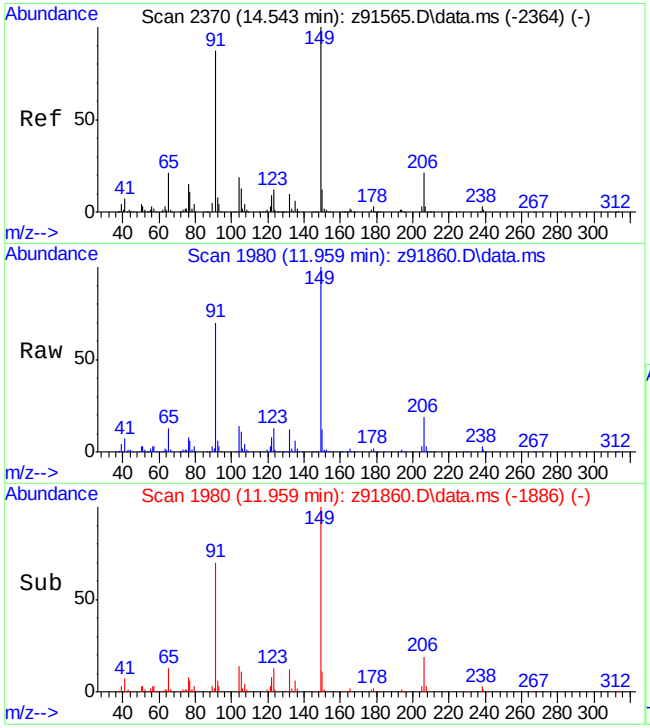


#84
Pyrene
Concen: 48.07 ppb
RT: 10.934 min Scan# 1788
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

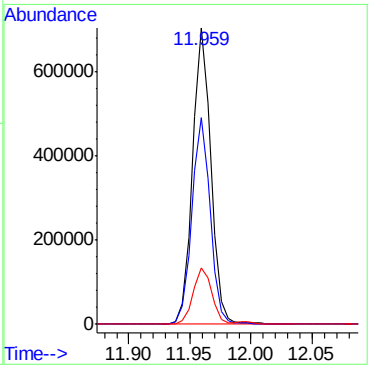




#87
Butylbenzylphthalate
Concen: 52.20 ppb
RT: 11.959 min Scan# 1980
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

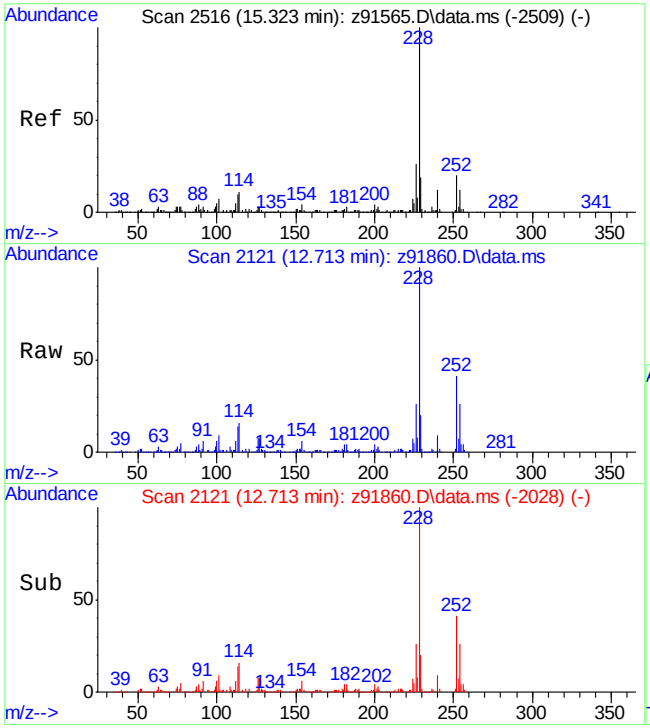
Tgt Ion:149 Resp: 731635

Ion	Ratio	Lower	Upper
149	100		
91	69.8	38.7	98.7
206	19.0	0.0	49.5



9.6.47

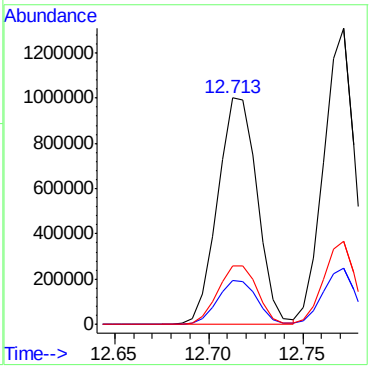
9

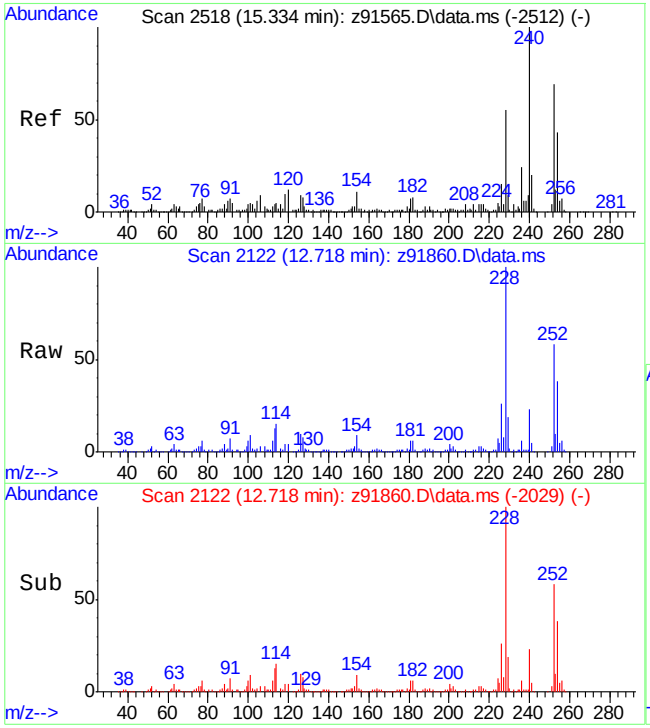


#88
Benzo[a]anthracene
Concen: 46.48 ppb
RT: 12.713 min Scan# 2121
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

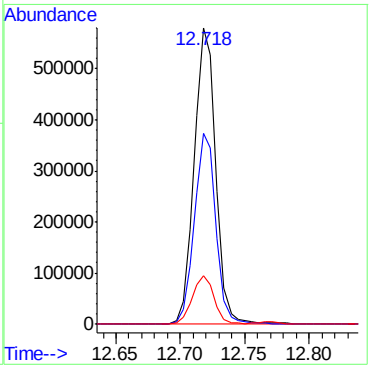


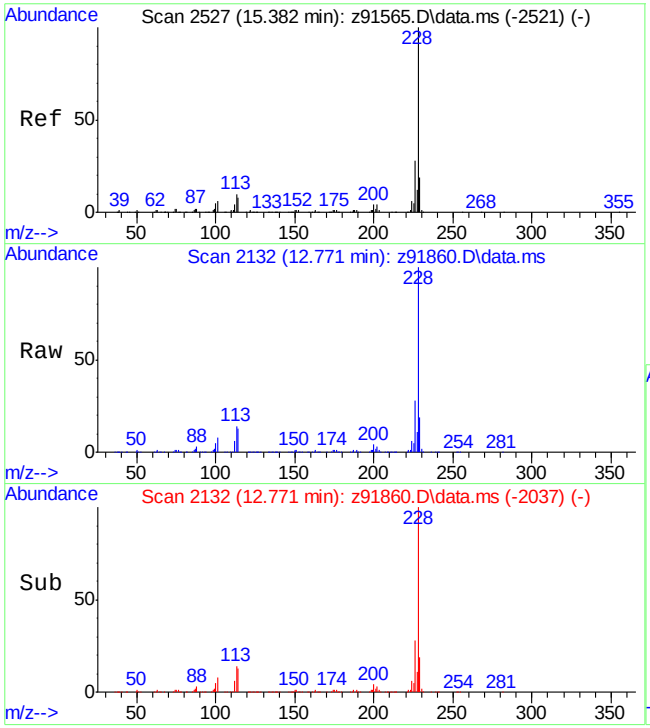


#89
3,3'-Dichlorobenzidine
Concen: 66.53 ppb
RT: 12.718 min Scan# 2122
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

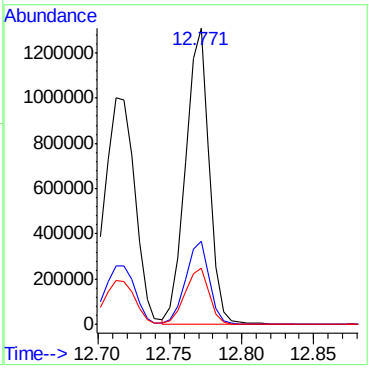


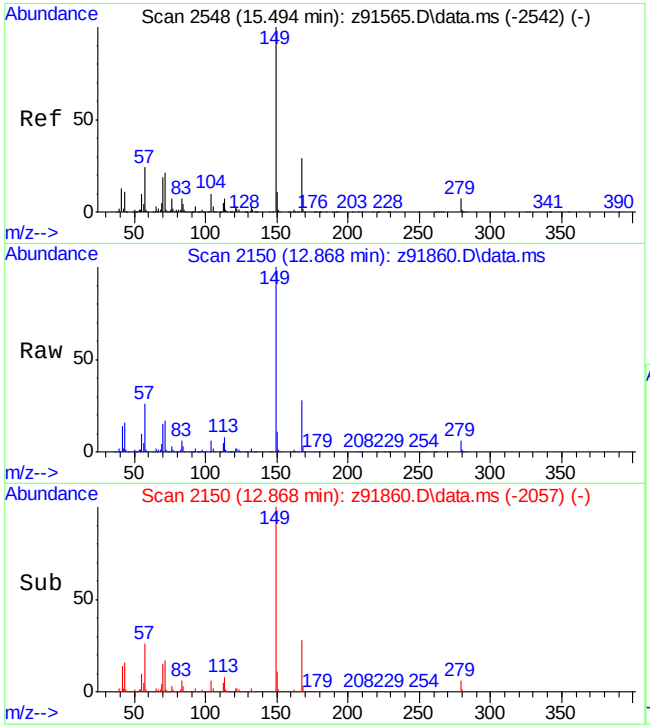


#90
Chrysene
Concen: 48.34 ppb
RT: 12.771 min Scan# 2132
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

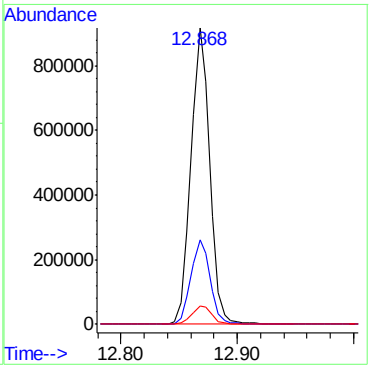


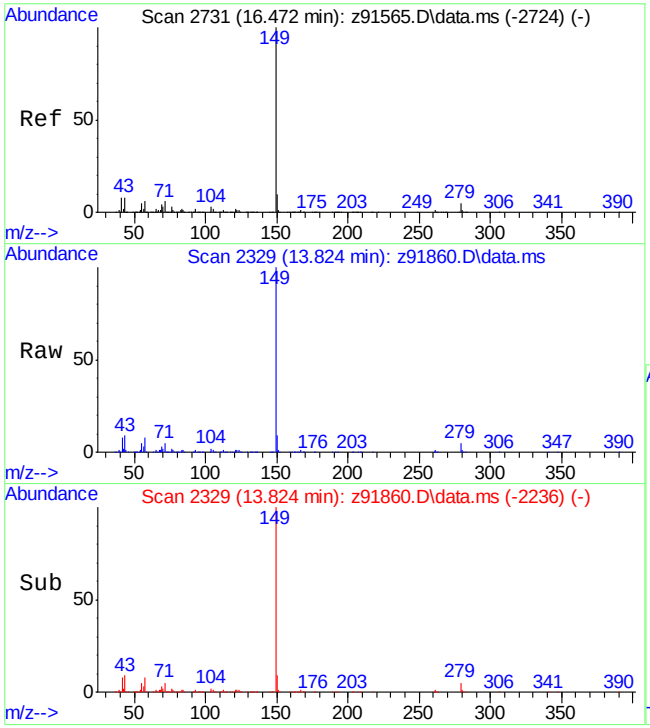


#91
bis(2-Ethylhexyl)phthalate
Concen: 53.48 ppb
RT: 12.868 min Scan# 2150
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

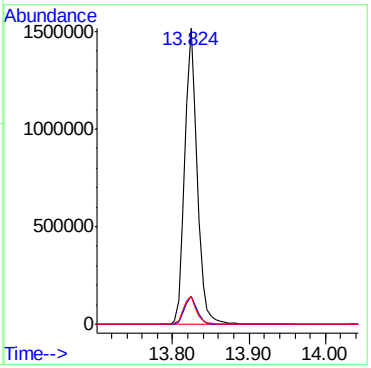


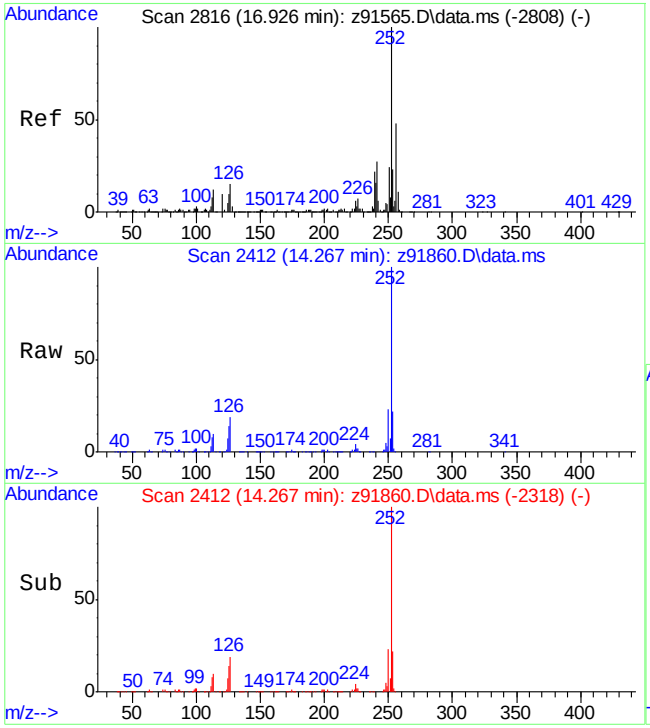


#93
Di-n-octylphthalate
Concen: 48.95 ppb
RT: 13.824 min Scan# 2329
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

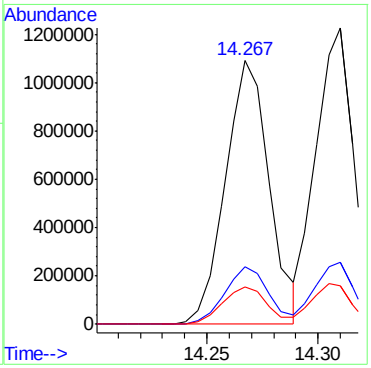


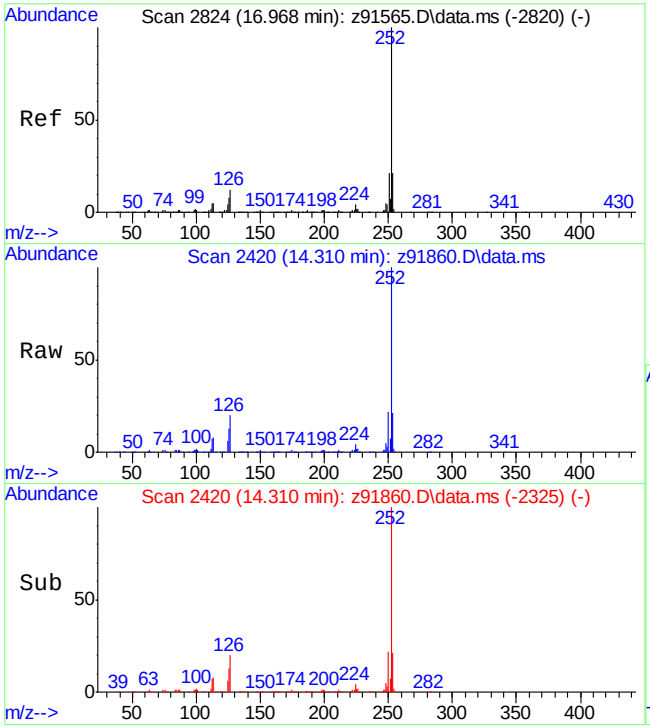


#94
Benzo[b]fluoranthene
Concen: 47.55 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

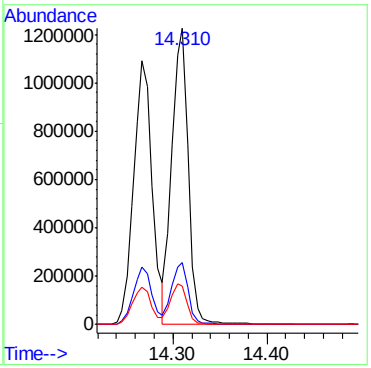


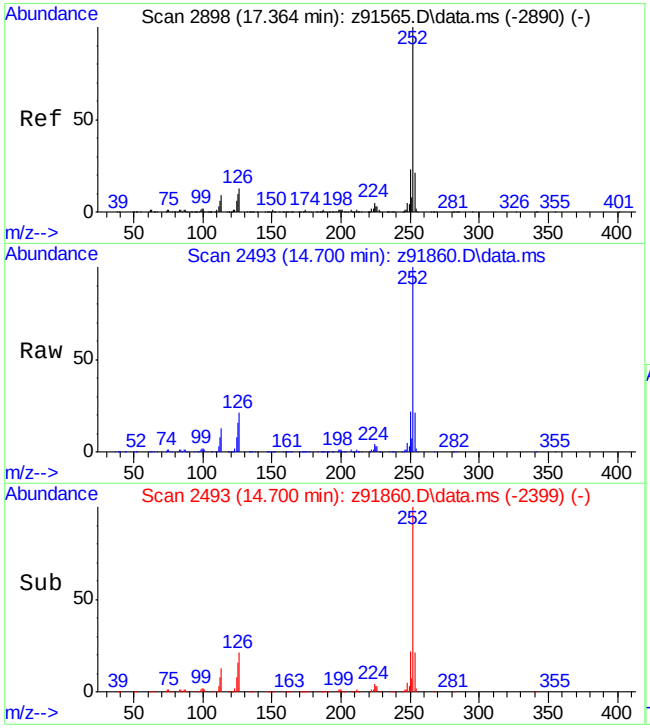


#95
Benzo[k]fluoranthene
Concen: 45.40 ppb
RT: 14.310 min Scan# 2420
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

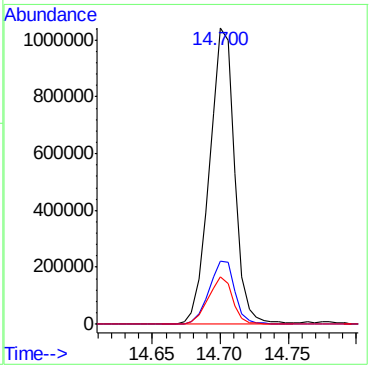


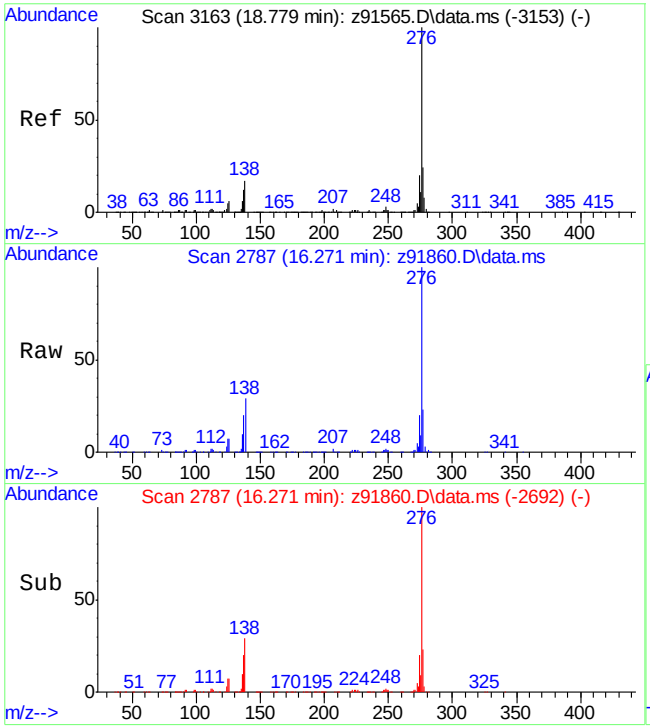


#96
Benzo[a]pyrene
Concen: 48.12 ppb
RT: 14.700 min Scan# 2493
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

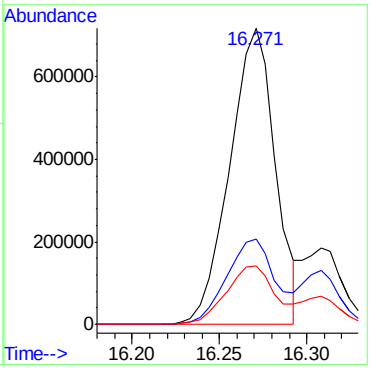


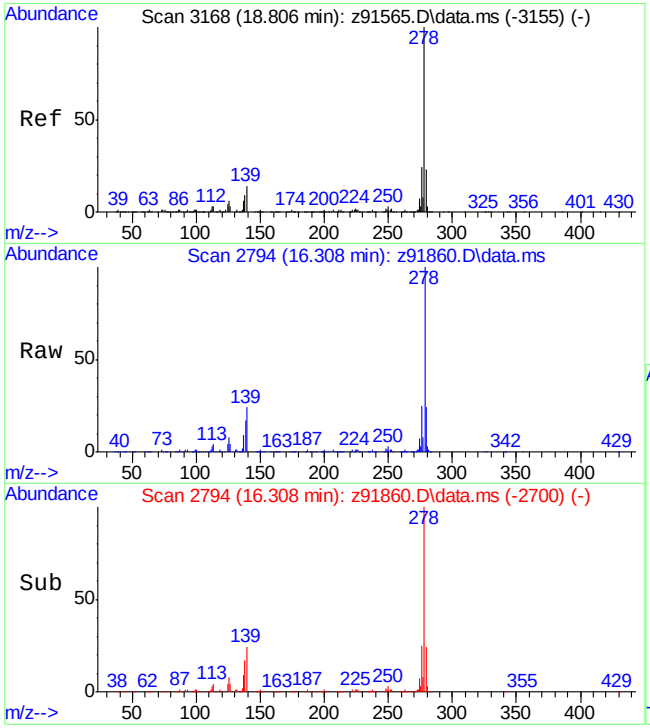


#97
Indeno[1,2,3-cd]pyrene
Concen: 48.58 ppb
RT: 16.271 min Scan# 2787
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

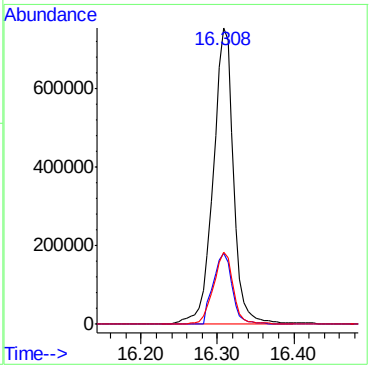


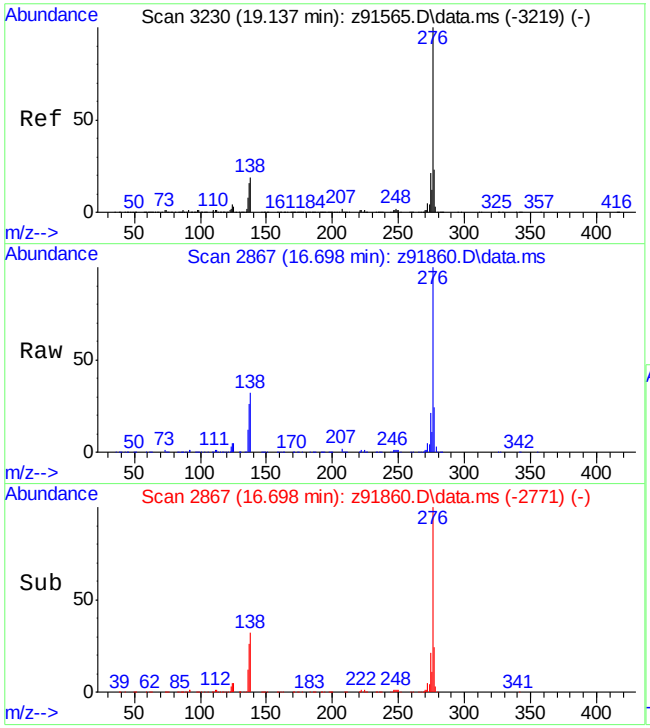


#99
Dibenz[a,h]anthracene
Concen: 48.86 ppb
RT: 16.308 min Scan# 2794
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

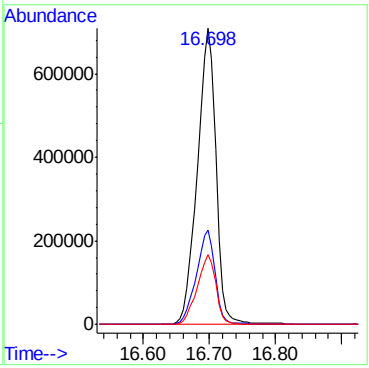




#101
Benzo[g,h,i]perylene
Concen: 49.12 ppb
RT: 16.698 min Scan# 2867
Delta R.T. 0.011 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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



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

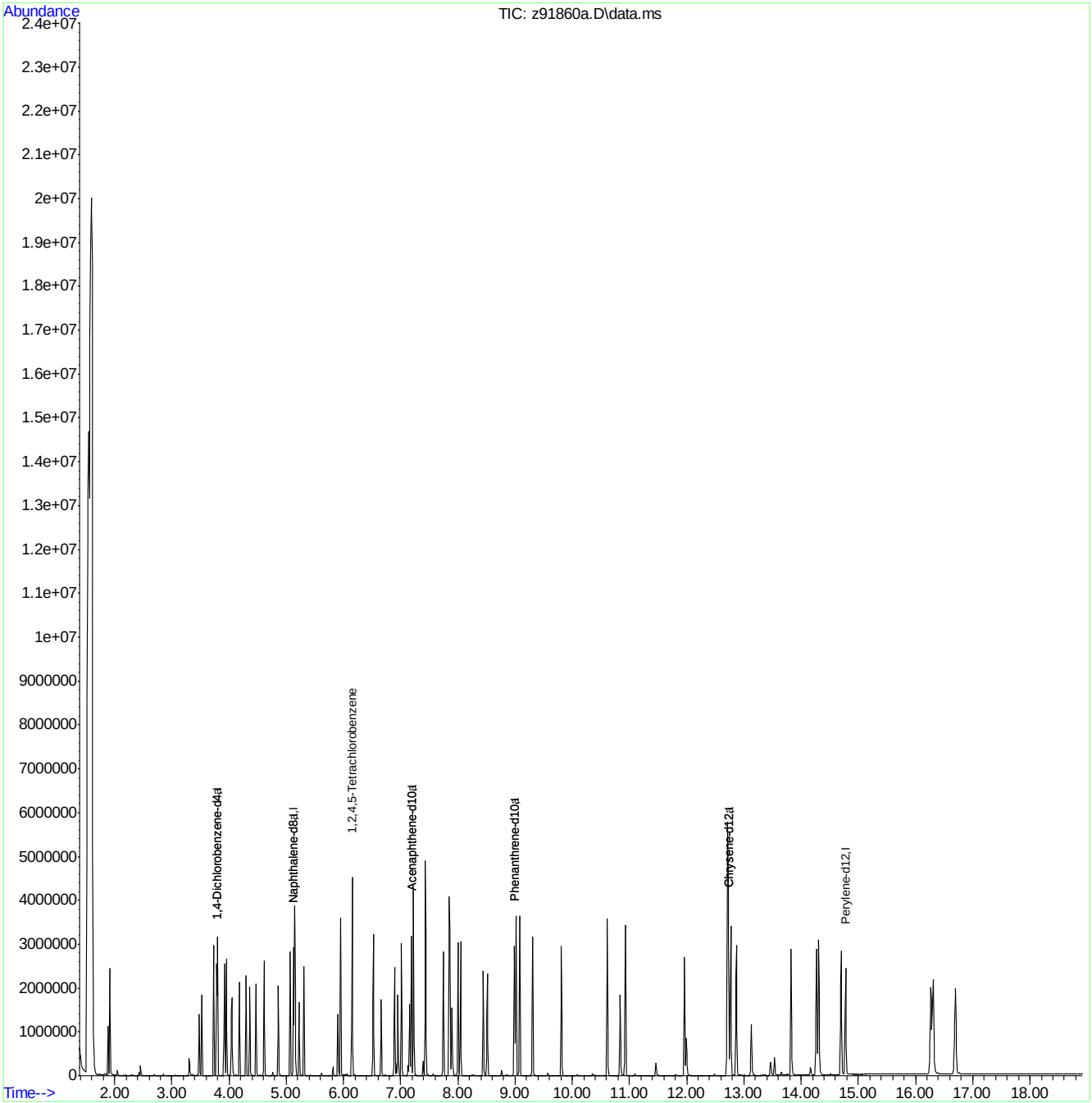
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	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

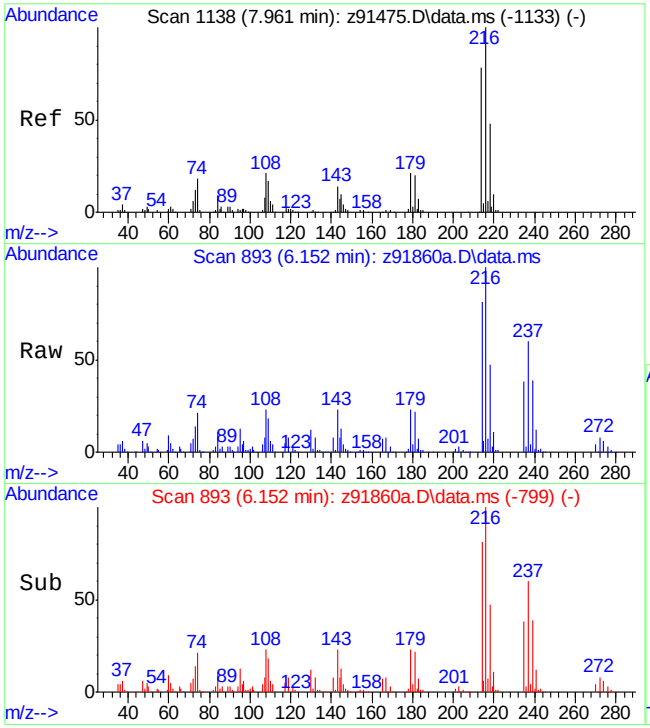
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

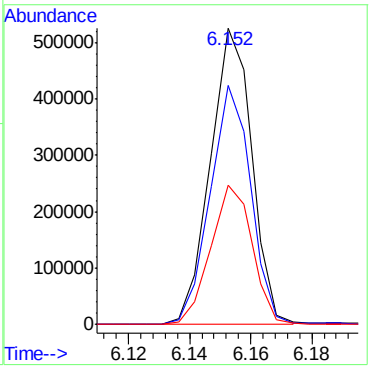




#111
1,2,4,5-Tetrachlorobenzene
Concen: 56.35 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860a.D
Acq: 27 May 2014 3:17 pm

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



9.6.48

6

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

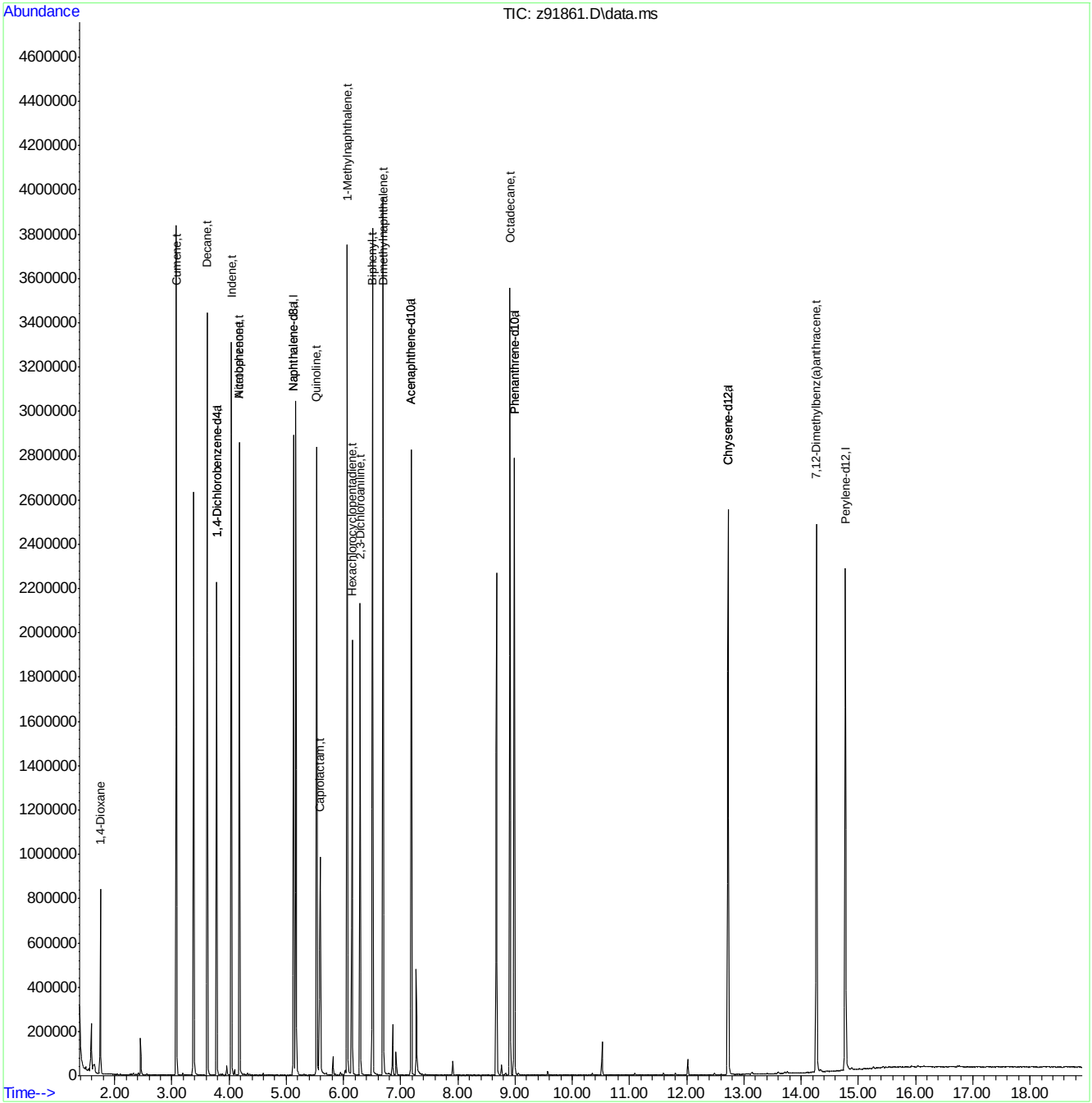
MZ4569.M Wed May 28 12:12:14 2014 RTE

ACCUTEST LABORATORIES JB68173

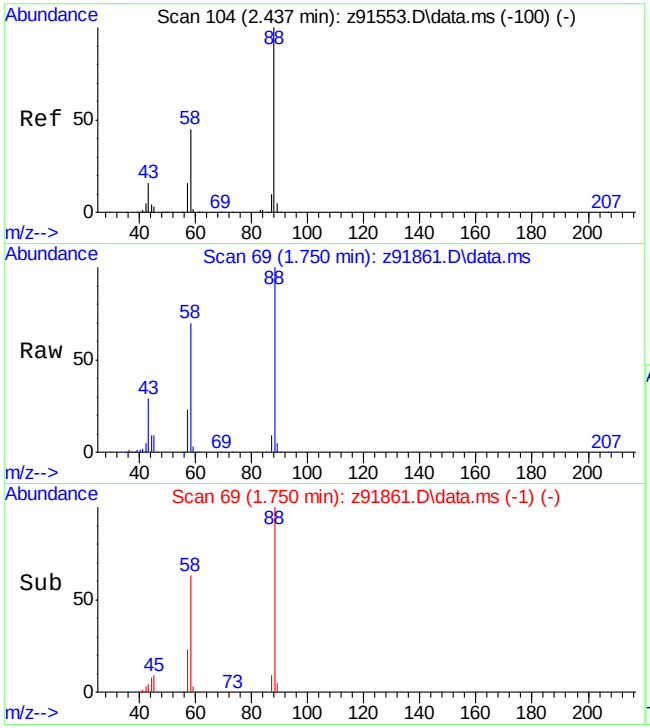
Quantitation Report (QT Reviewed)

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



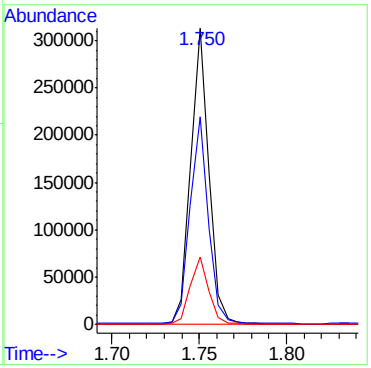
ACCUTEST LABORATORIES
JB68173

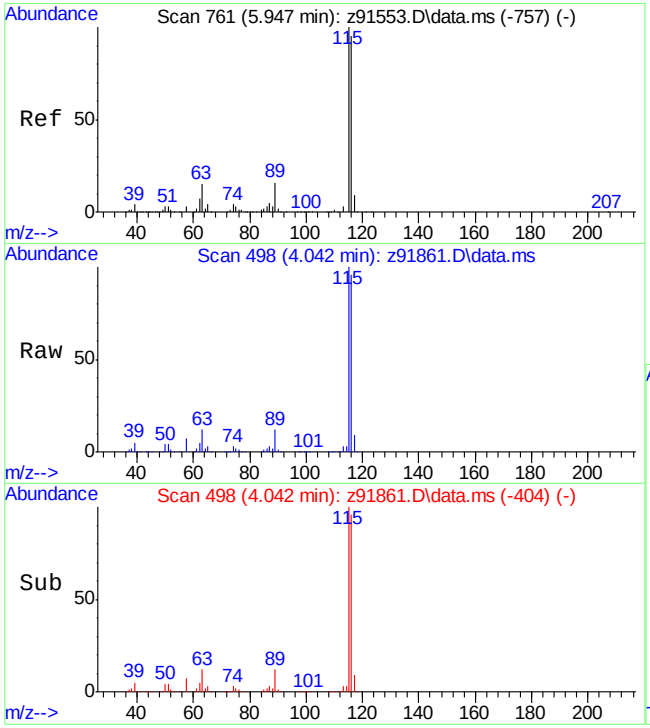


#2
1,4-Dioxane
Concen: 42.72 ppb
RT: 1.750 min Scan# 69
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

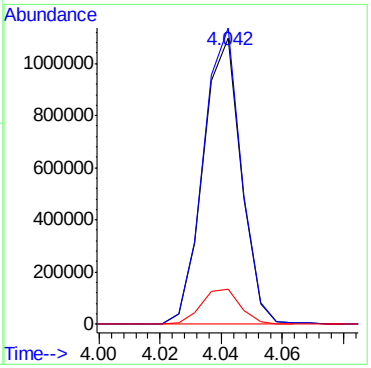


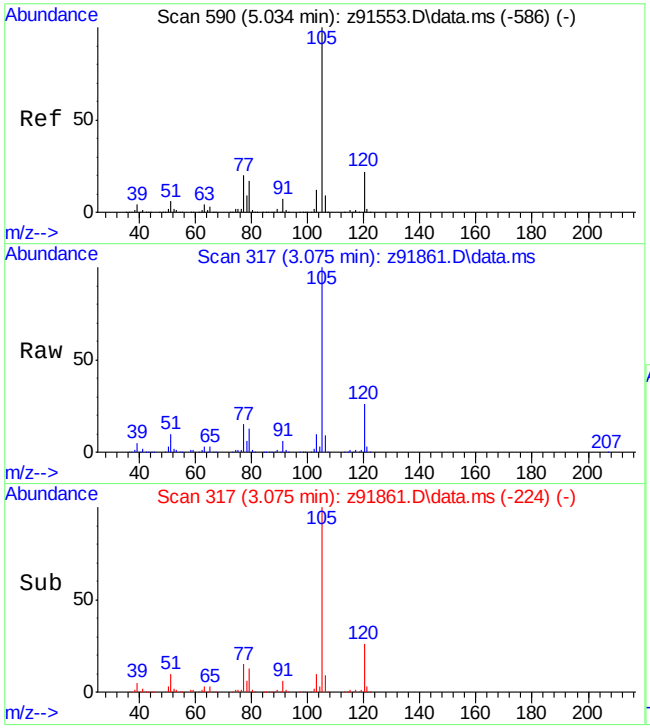


#6
Indene
Concen: 44.96 ppb
RT: 4.042 min Scan# 498
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

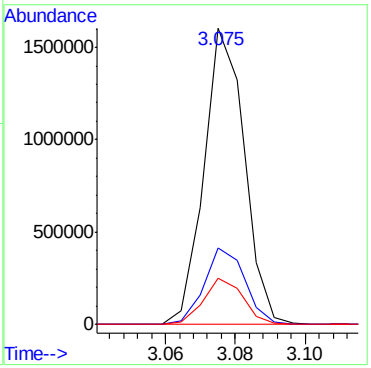


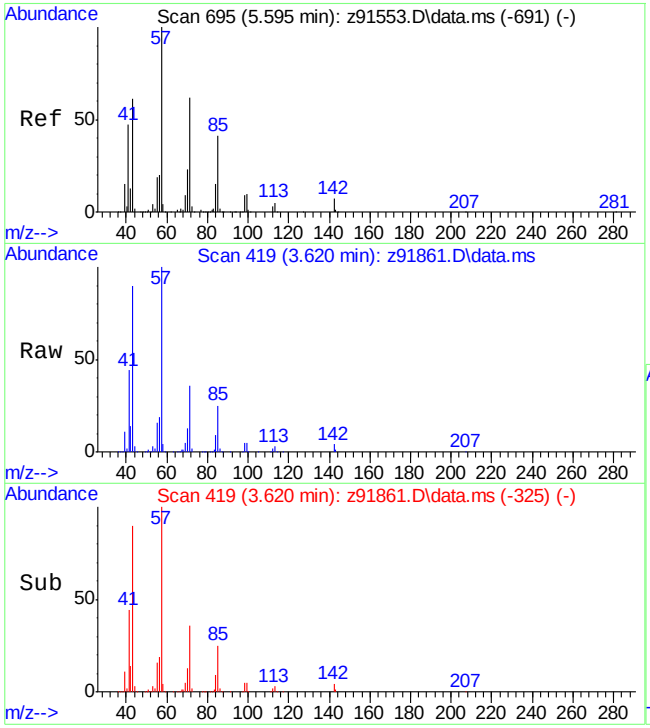


#7
Cumene
Concen: 43.16 ppb
RT: 3.075 min Scan# 317
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

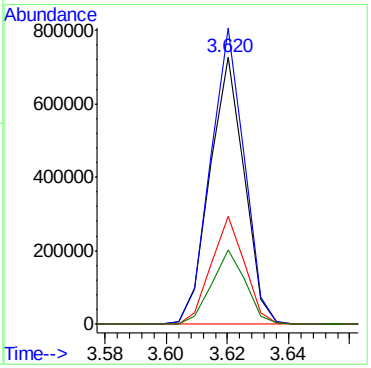


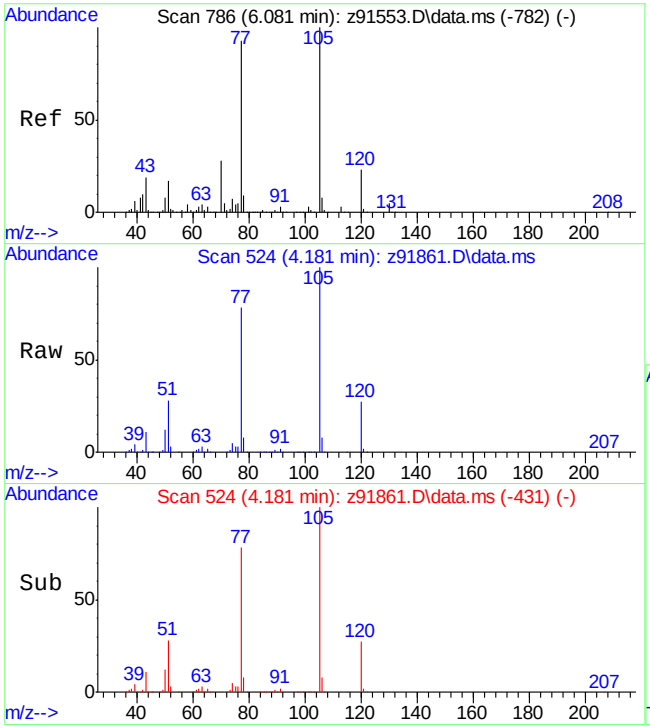


#13
Decane
Concen: 39.93 ppb
RT: 3.620 min Scan# 419
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

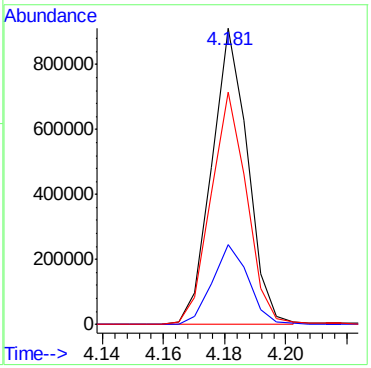


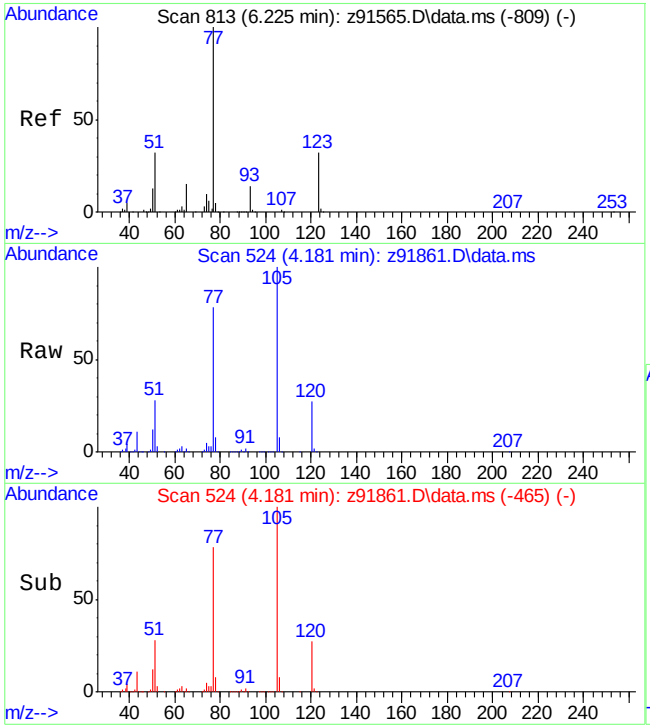


#18
Acetophenone
Concen: 43.33 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

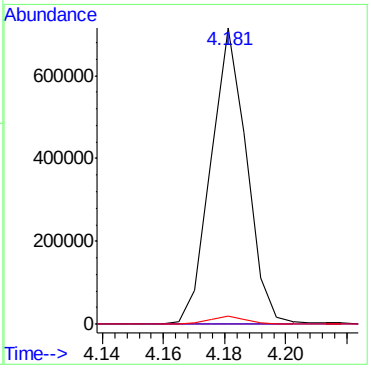


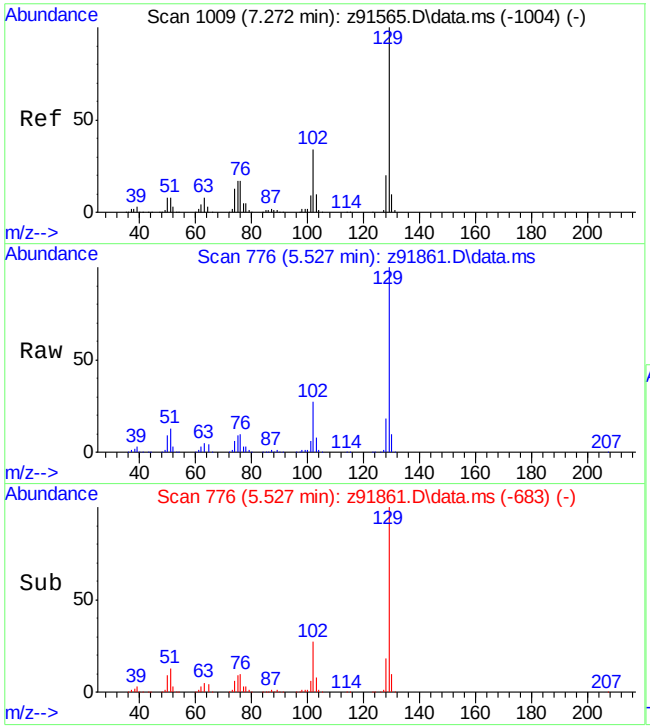


#26
Nitrobenzene
Concen: 48.58 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.187 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

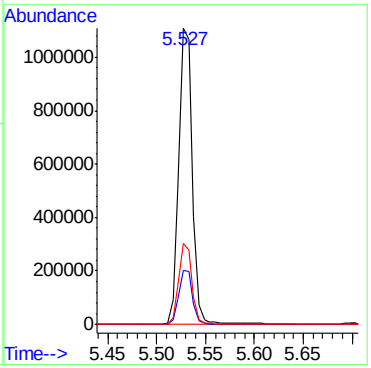


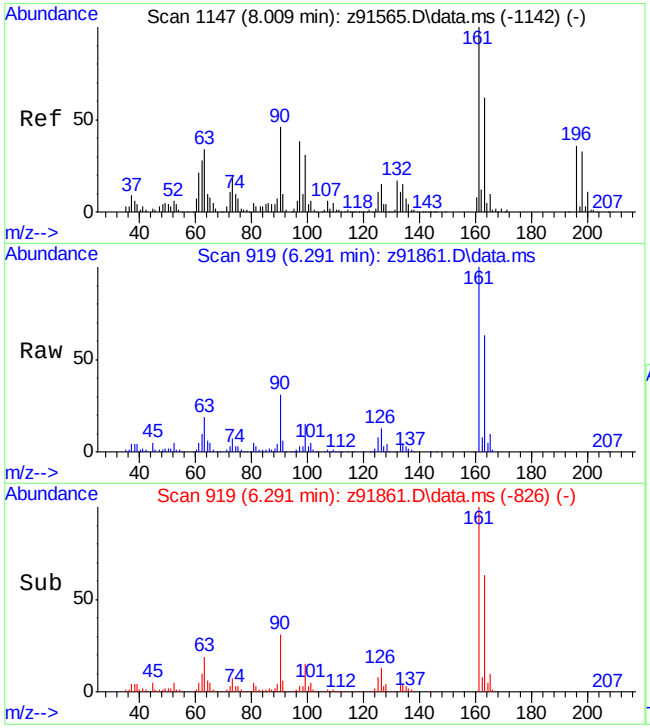


#27
Quinoline
Concen: 43.63 ppb
RT: 5.527 min Scan# 776
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

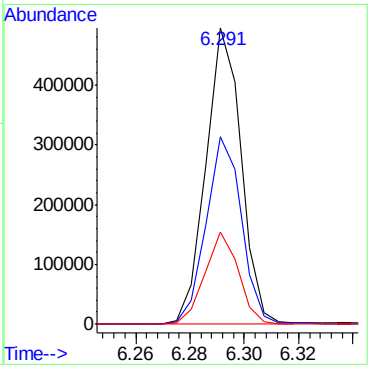


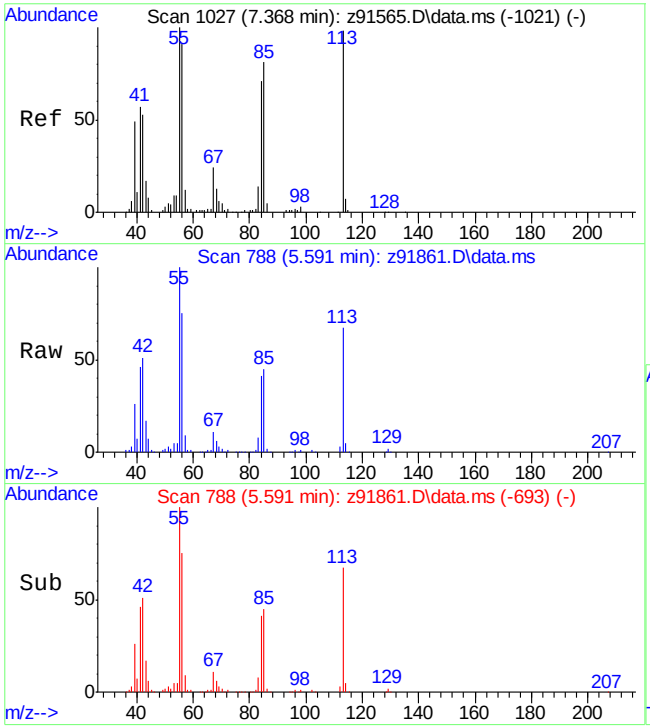


#40
2,3-Dichloroaniline
Concen: 37.97 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

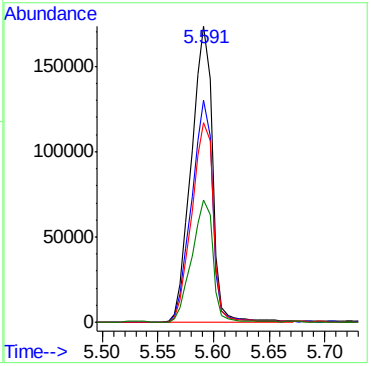


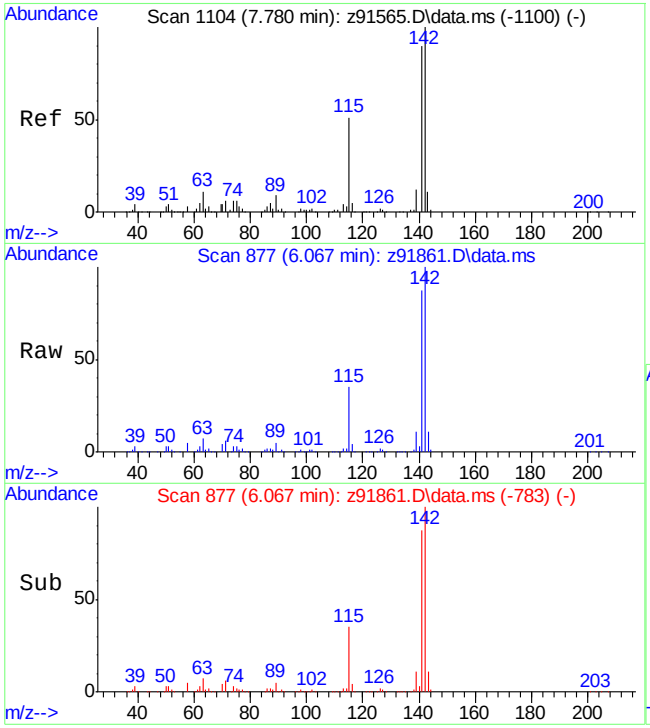


#41
Caprolactam
Concen: 40.30 ppb
RT: 5.591 min Scan# 788
Delta R.T. 0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

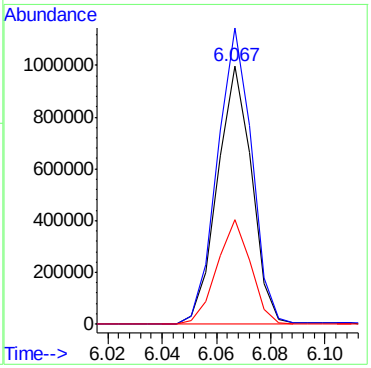


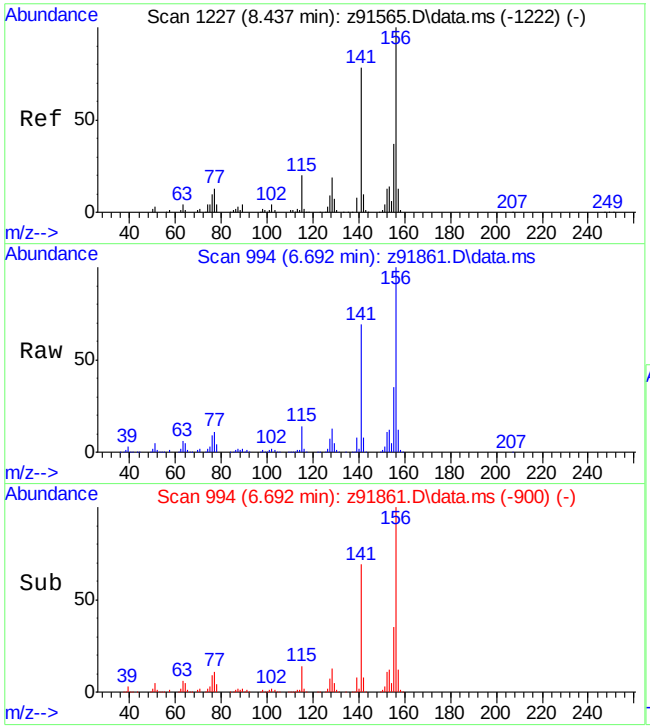


#45
1-Methylnaphthalene
Concen: 42.74 ppb
RT: 6.067 min Scan# 877
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

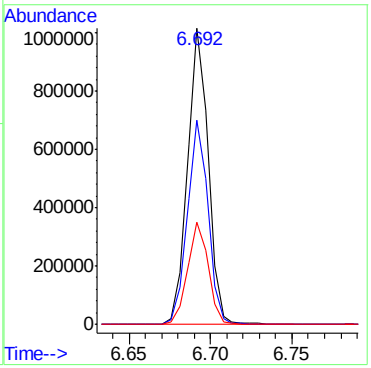


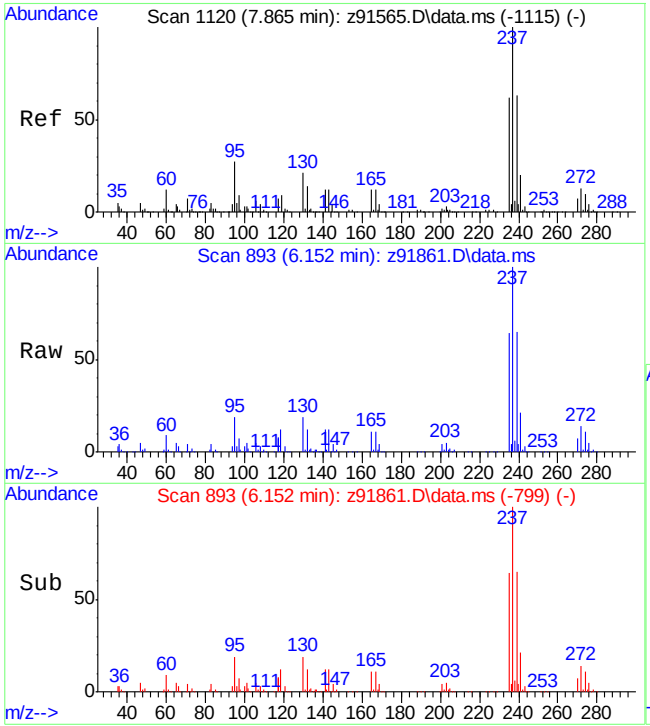


#46
Dimethylnaphthalene
Concen: 43.36 ppb
RT: 6.692 min Scan# 994
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

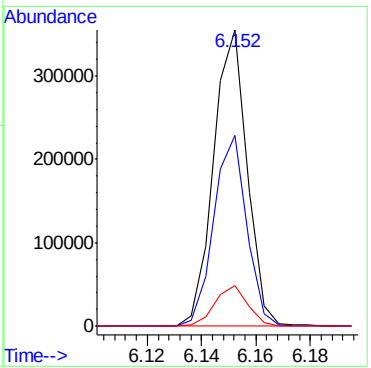


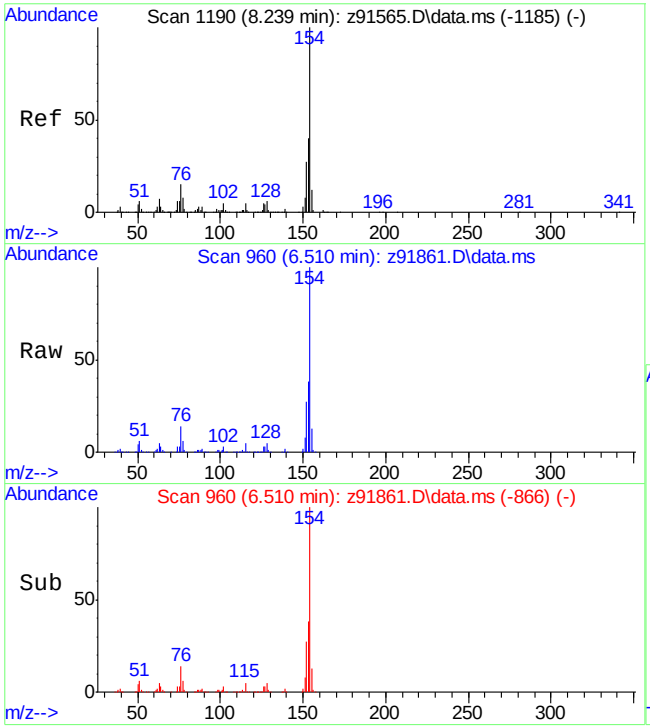


#48
Hexachlorocyclopentadiene
Concen: 56.94 ppb
RT: 6.152 min Scan# 893
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

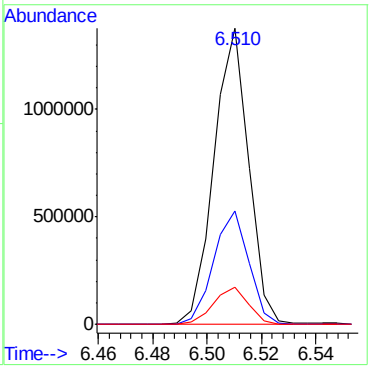


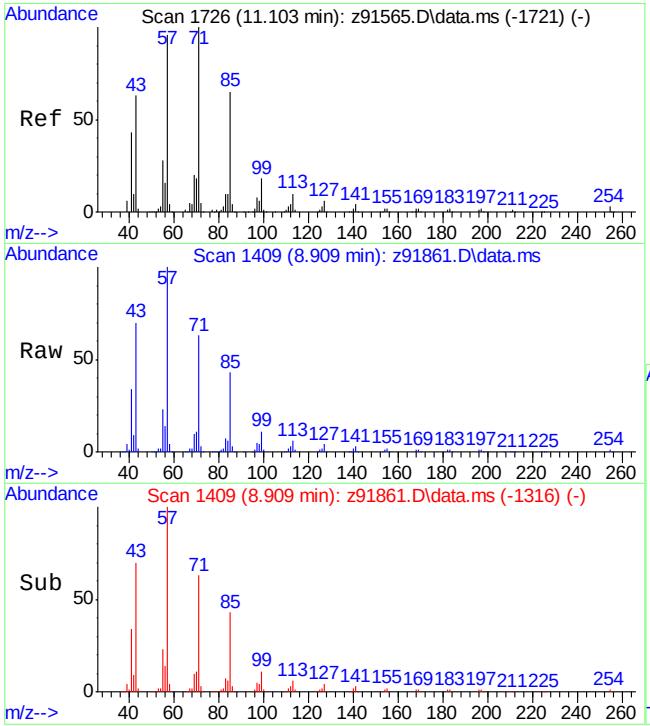


#53
Biphenyl
Concen: 42.66 ppb
RT: 6.510 min Scan# 960
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

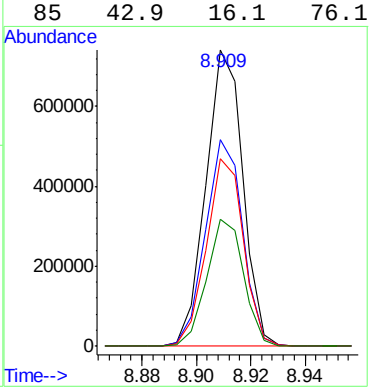


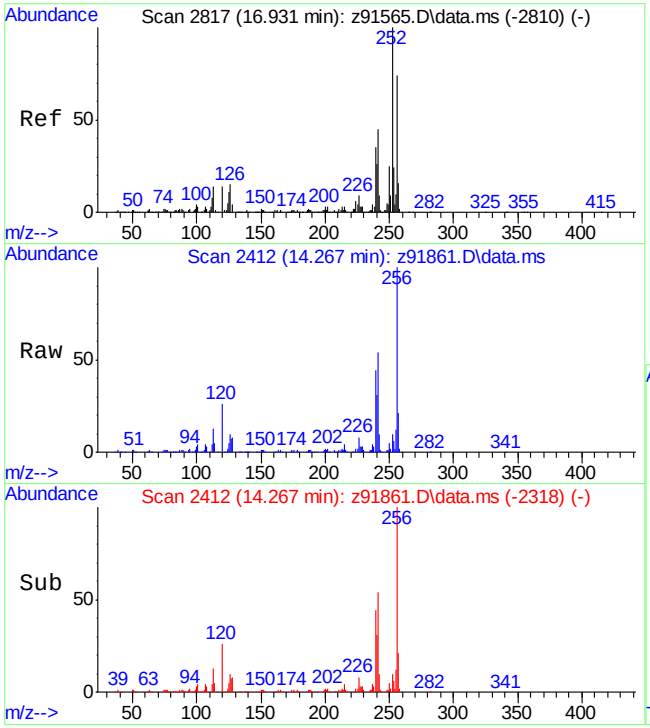


#82
Octadecane
Concen: 45.17 ppb
RT: 8.909 min Scan# 1409
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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

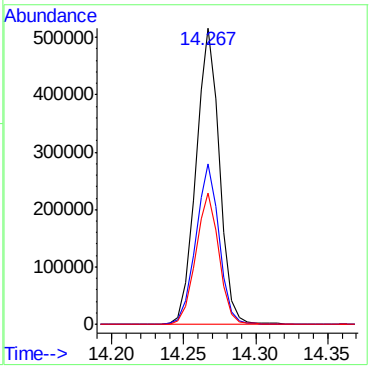




#100
7,12-Dimethylbenz(a)anthracene
Concen: 53.28 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

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



9.6.49

6

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

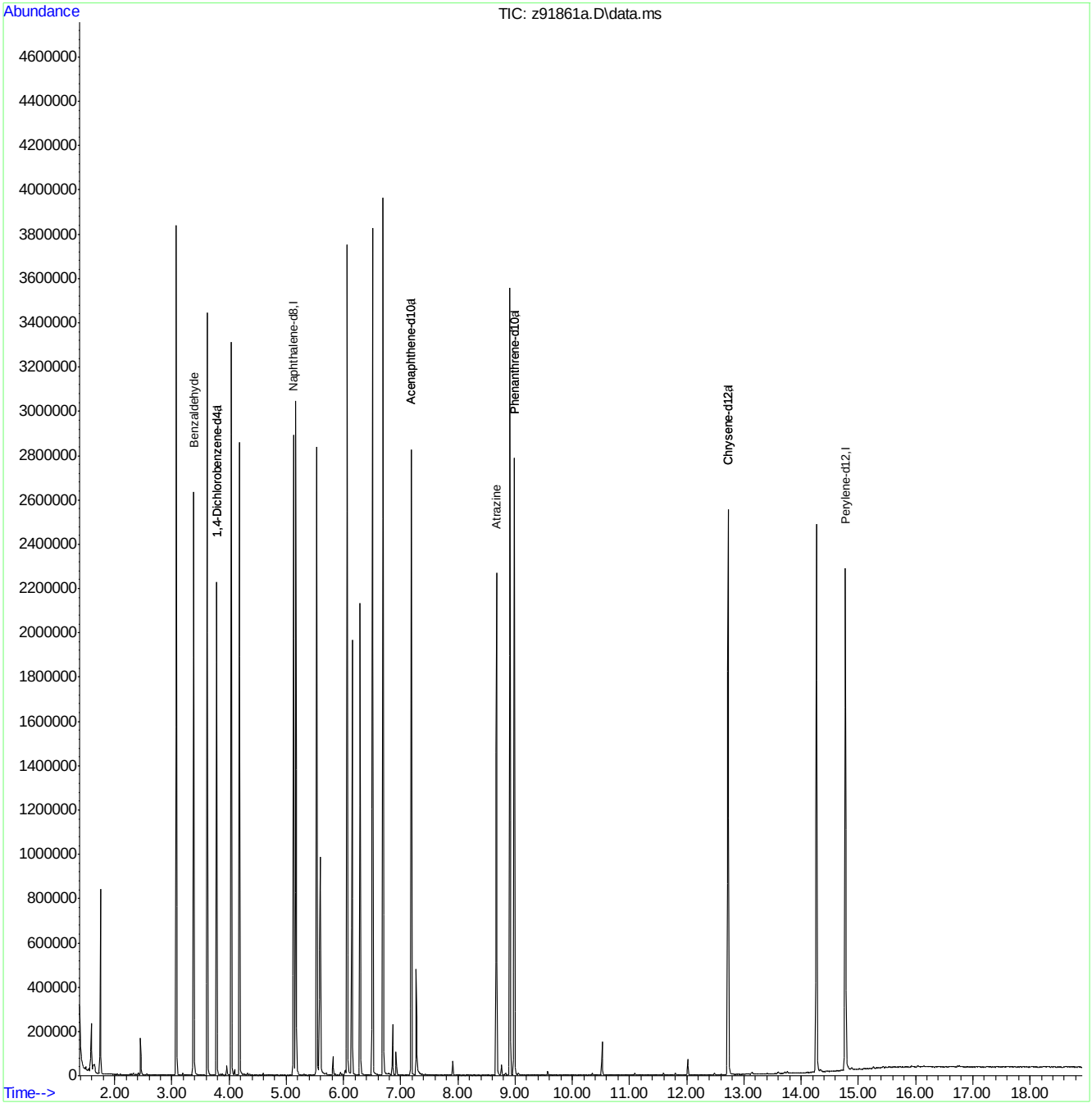
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb	0.02
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb	0.02
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb	0.03
83) Chrysene-d12	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 : 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

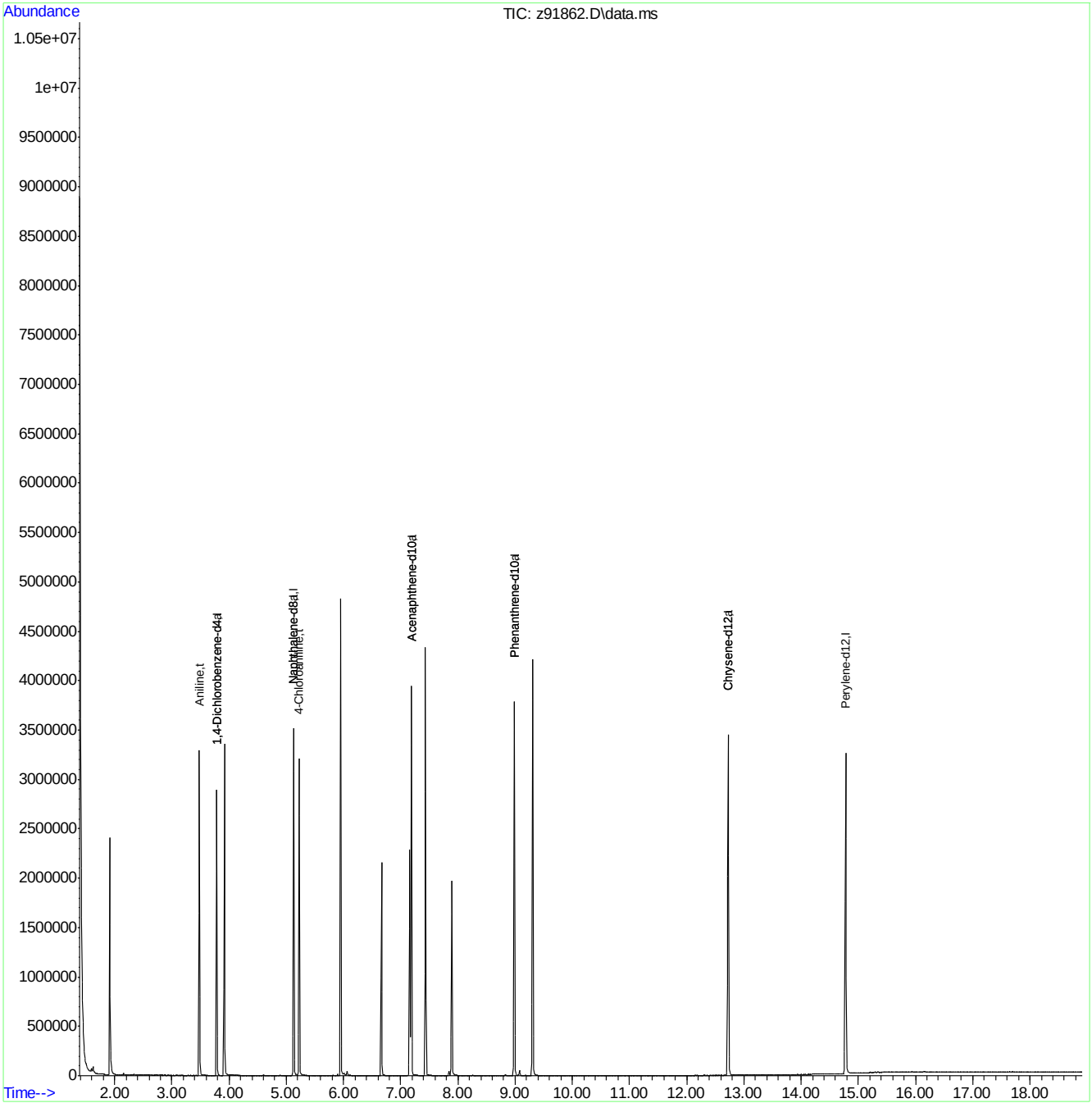
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	402904	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1607360	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	895094	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1499779	40.00	ppb	0.00
83) Chrysene-d12	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

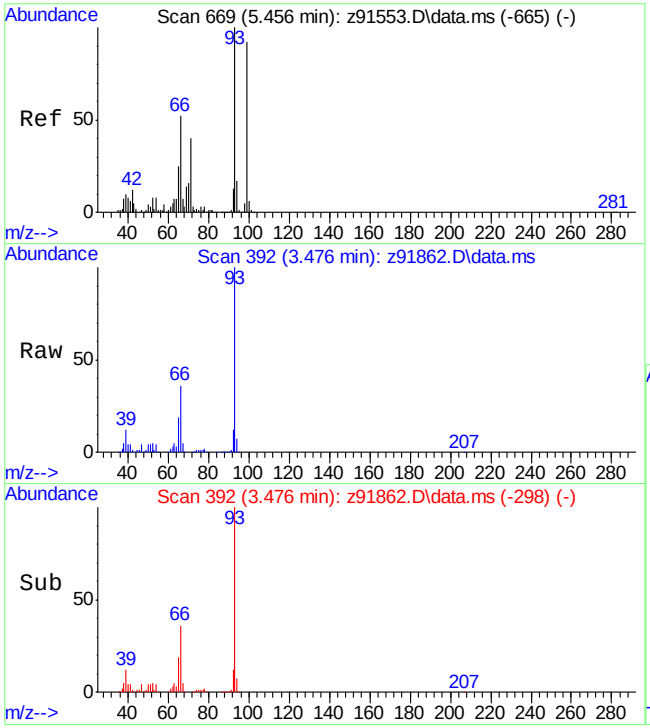
Quantitation Report (QT Reviewed)

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



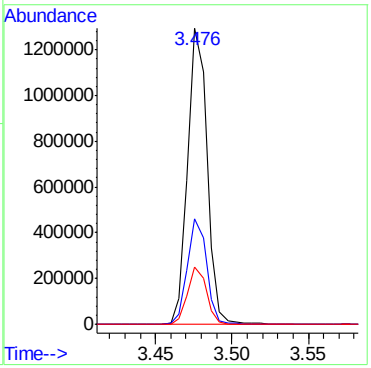
ACCUTEST LABORATORIES JB68173

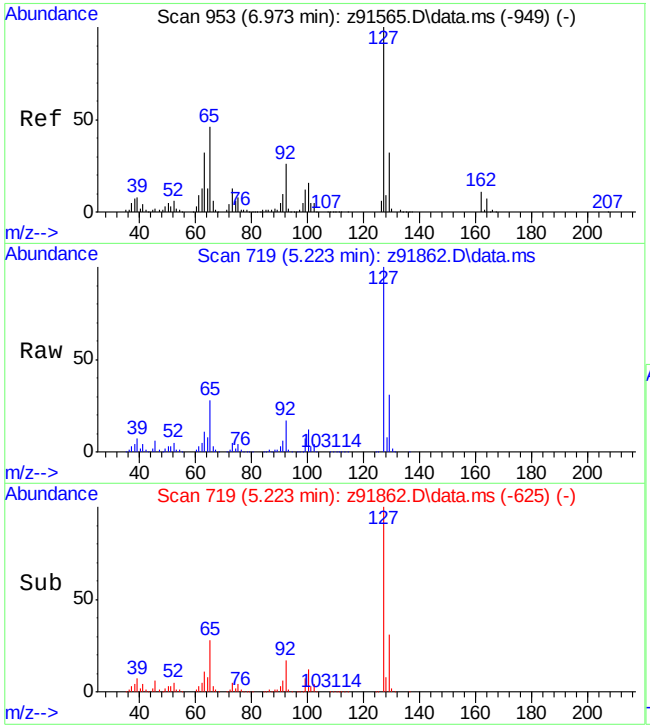


#10
Aniline
Concen: 54.22 ppb
RT: 3.476 min Scan# 392
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

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

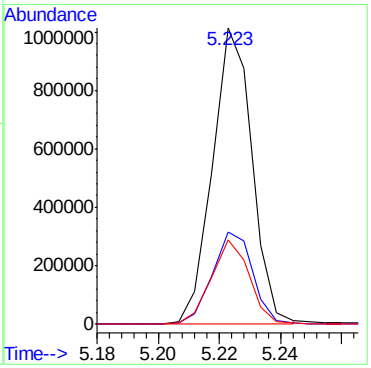




#39
4-Chloroaniline
Concen: 51.48 ppb
RT: 5.223 min Scan# 719
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

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 : 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

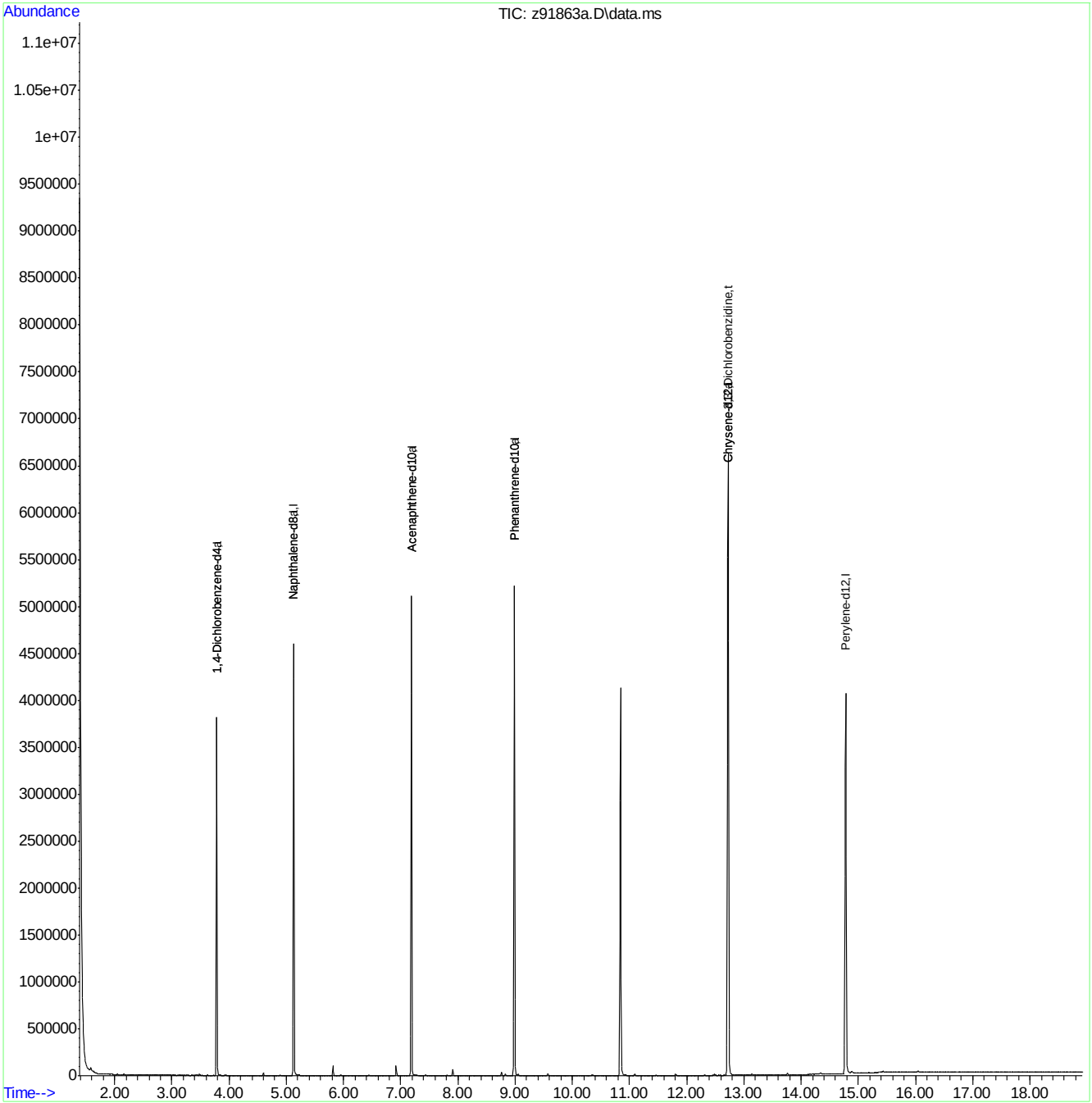
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	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

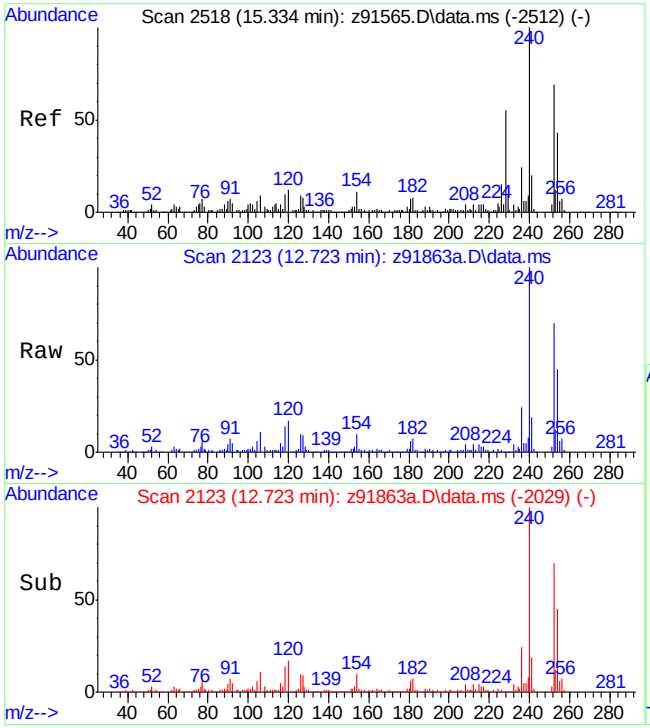
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

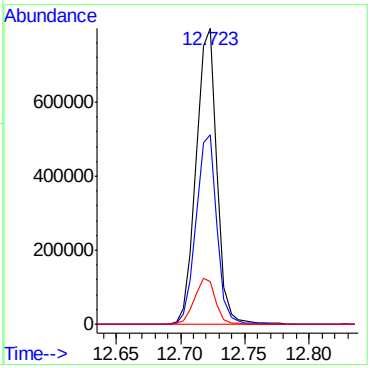




#89
3,3'-Dichlorobenzidine
Concen: 49.59 ppb
RT: 12.723 min Scan# 2123
Delta R.T. -0.000 min
Lab File: z91863a.D
Acq: 27 May 2014 4:34 pm

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



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

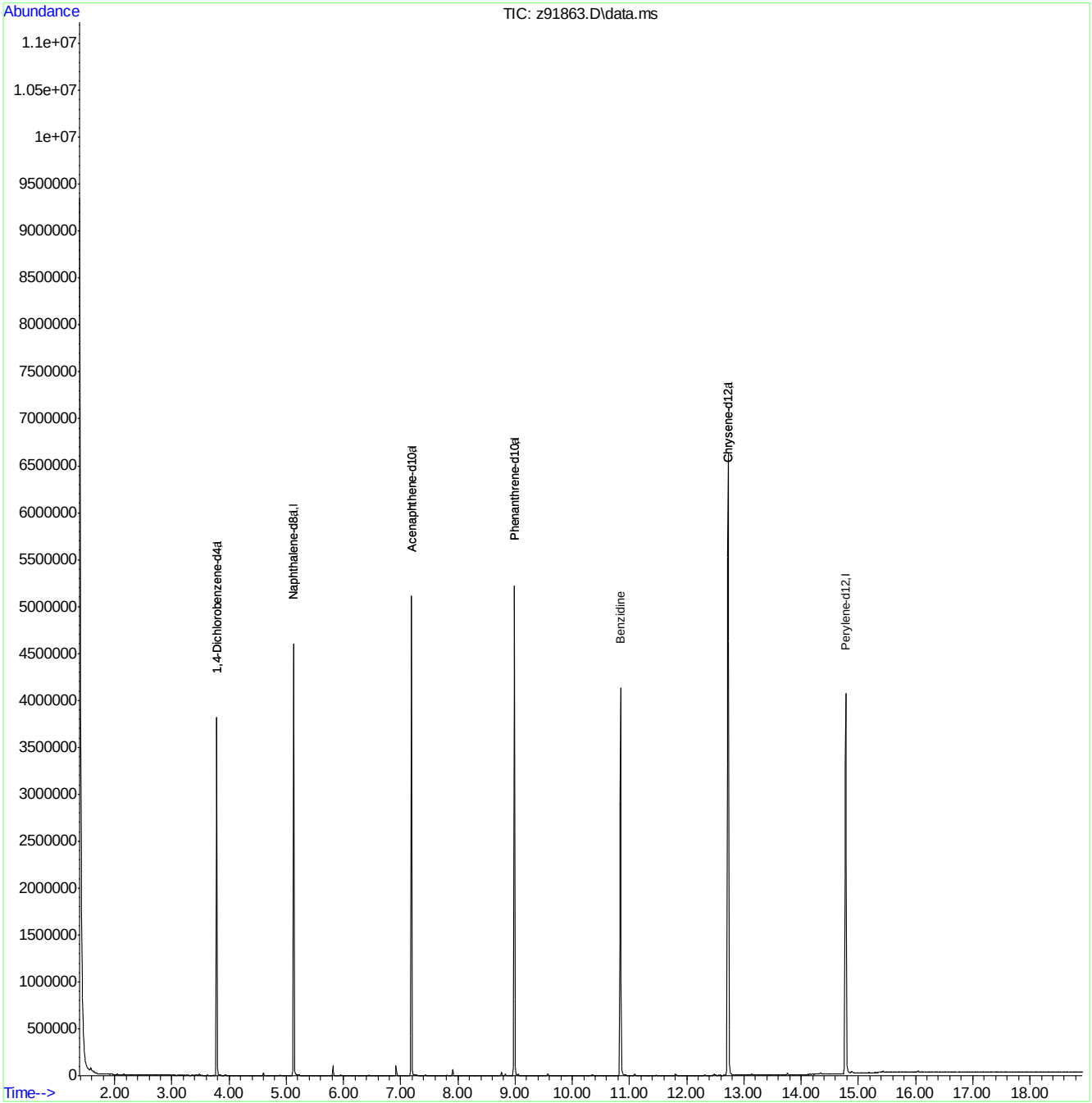
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	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

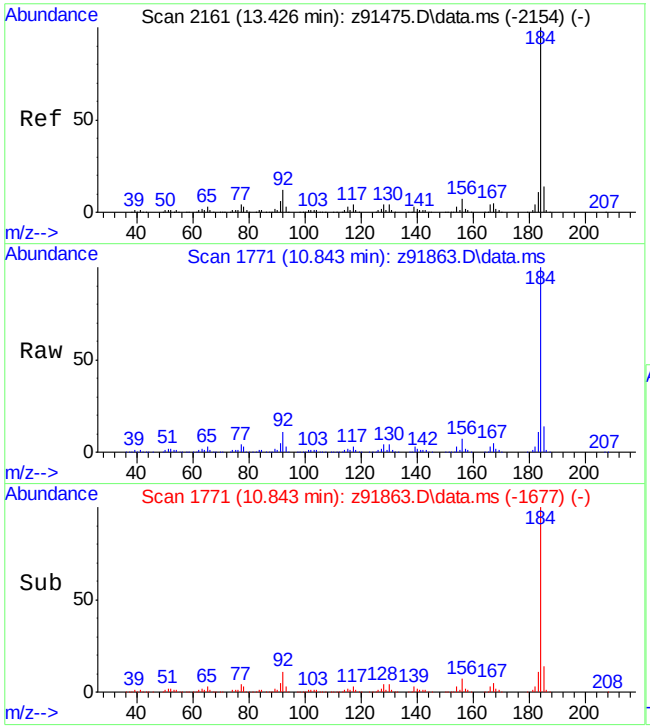
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

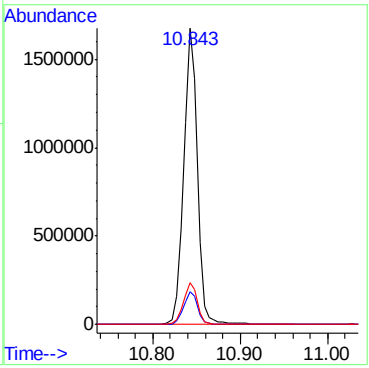




#108
Benzidine
Concen: 86.70 ppb
RT: 10.843 min Scan# 1771
Delta R.T. -0.000 min
Lab File: z91863.D
Acq: 27 May 2014 4:34 pm

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



9.6.53

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

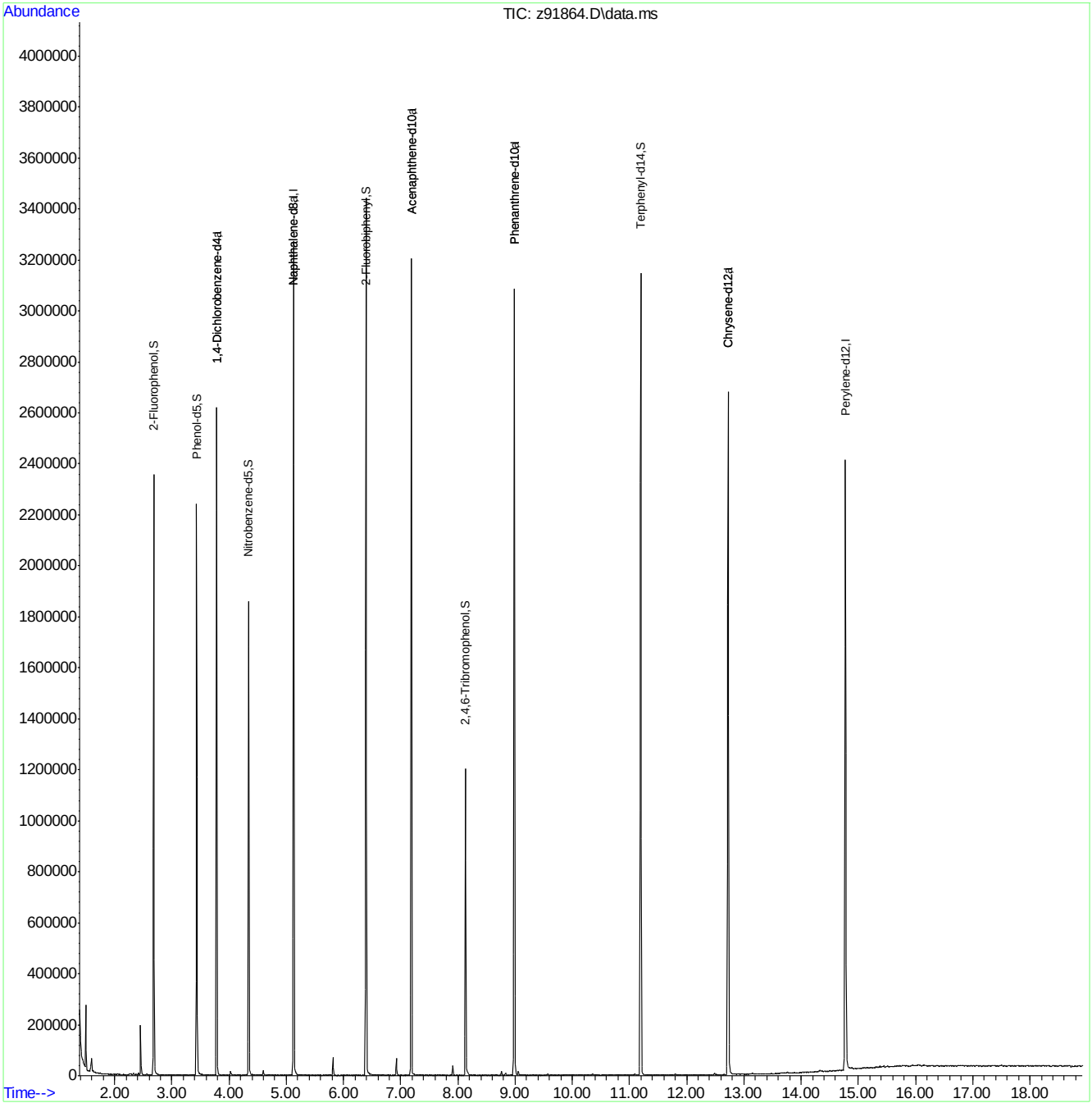
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	368875	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1430952	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	770103	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1246291	40.00	ppb	0.00
83) Chrysene-d12	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

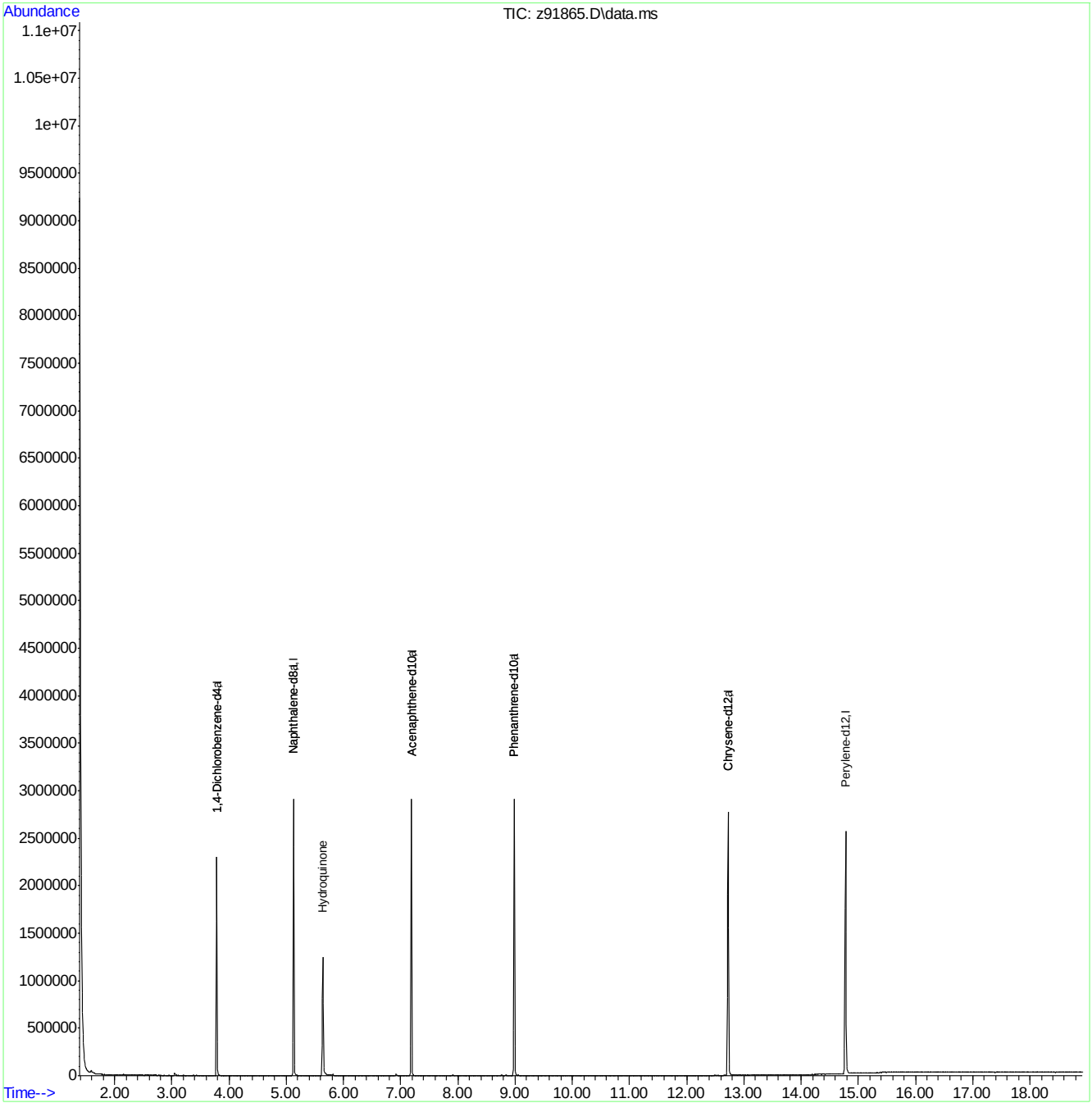
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	330274	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1293309	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	705500	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1211824	40.00	ppb	0.00
83) Chrysene-d12	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

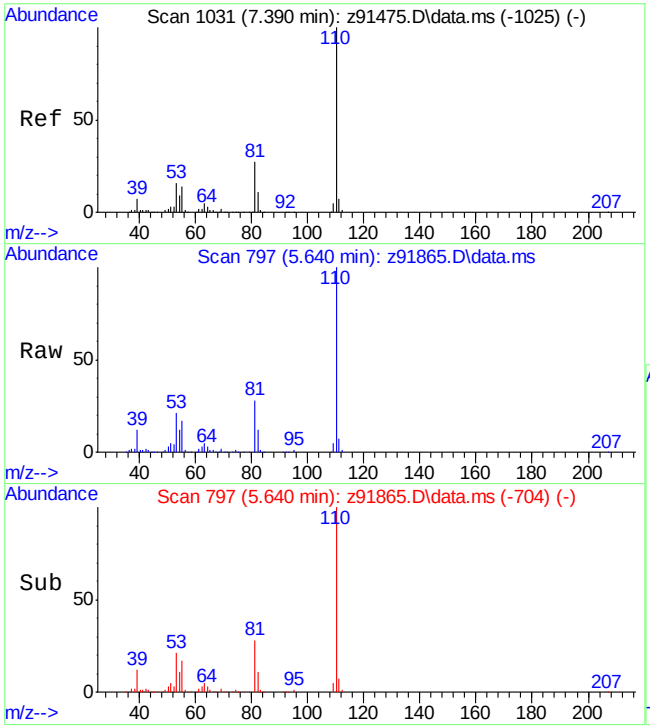
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

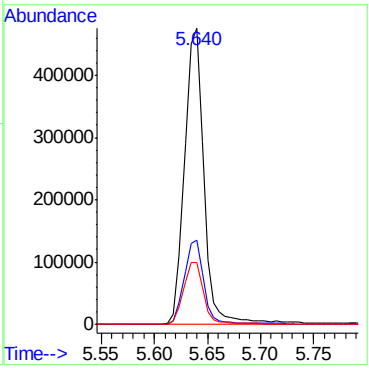




#113
Hydroquinone
Concen: 61.88 ppb
RT: 5.640 min Scan# 797
Delta R.T. -0.004 min
Lab File: z91865.D
Acq: 27 May 2014 5:25 pm

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



9.6.55

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

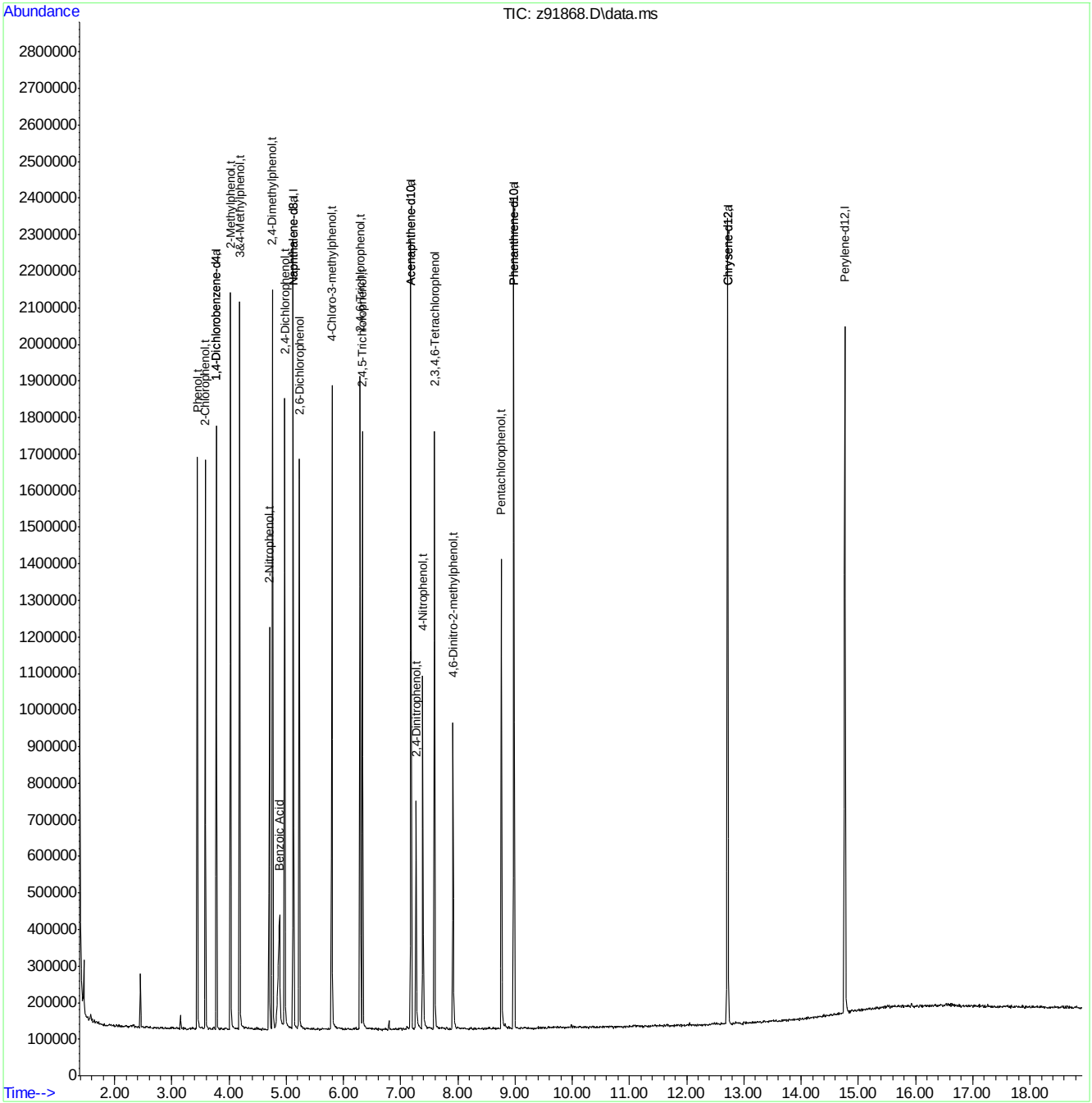
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

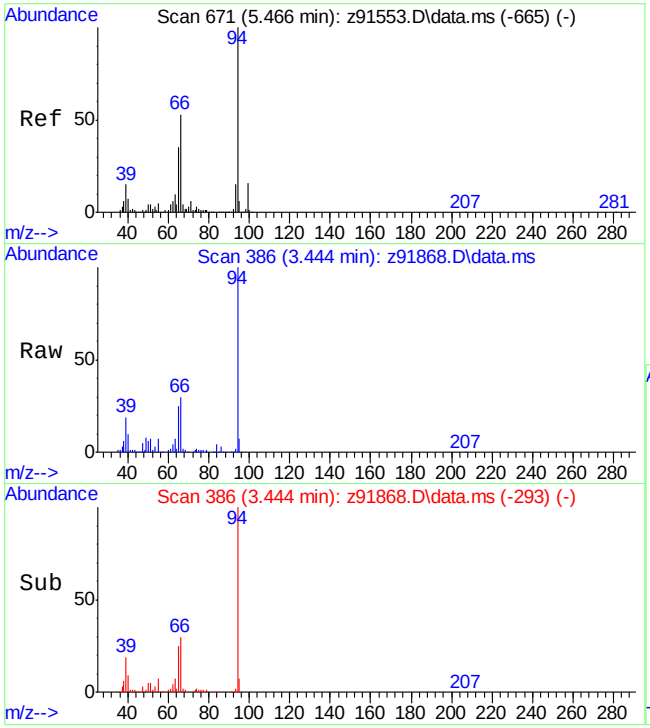
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

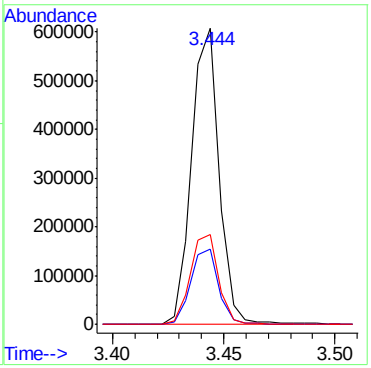


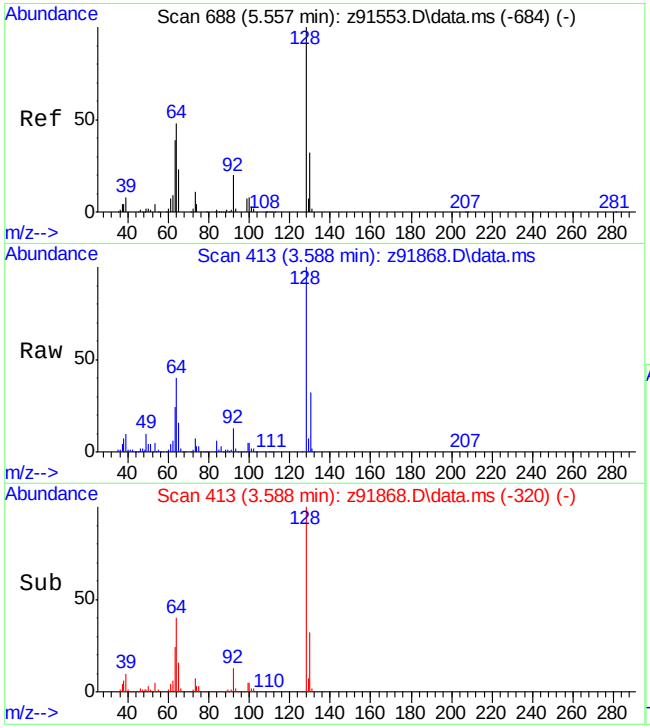


#9
Phenol
Concen: 44.64 ppb
RT: 3.444 min Scan# 386
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

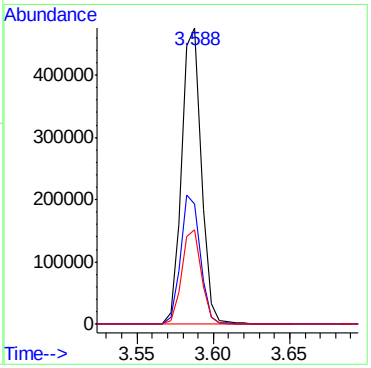


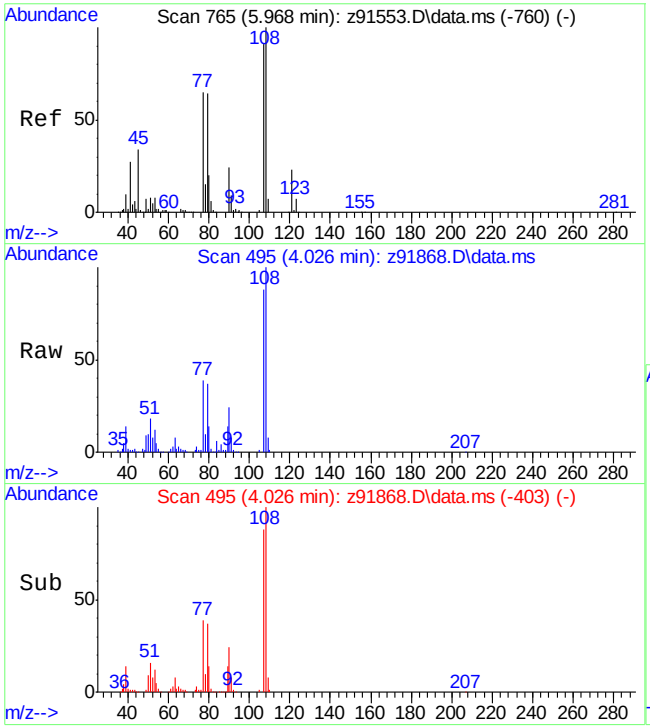


#12
2-Chlorophenol
Concen: 45.99 ppb
RT: 3.588 min Scan# 413
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

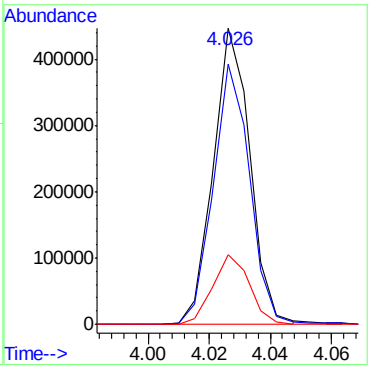


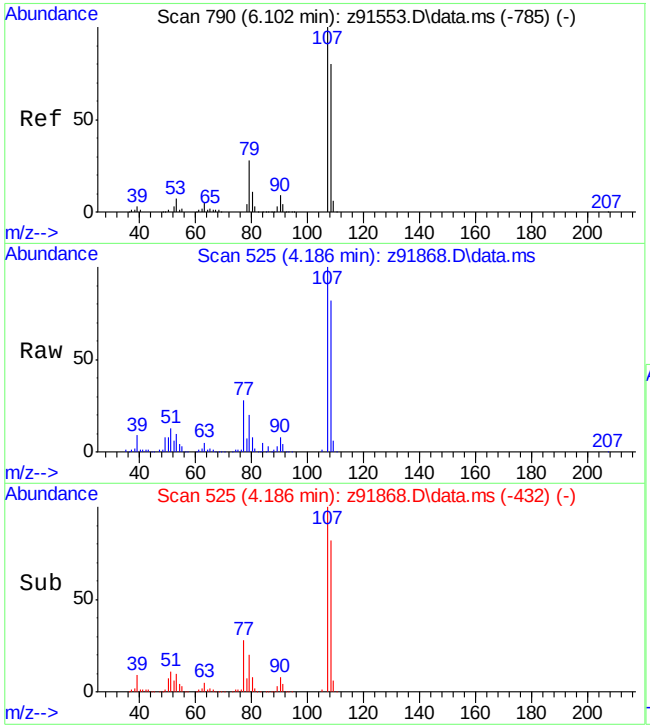


#19
2-Methylphenol
Concen: 47.63 ppb
RT: 4.026 min Scan# 495
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

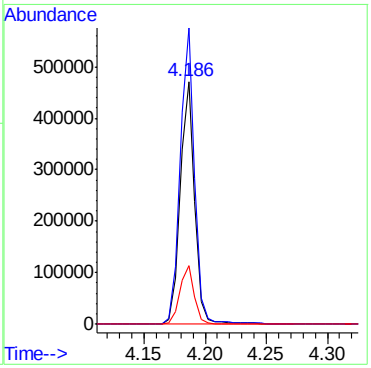


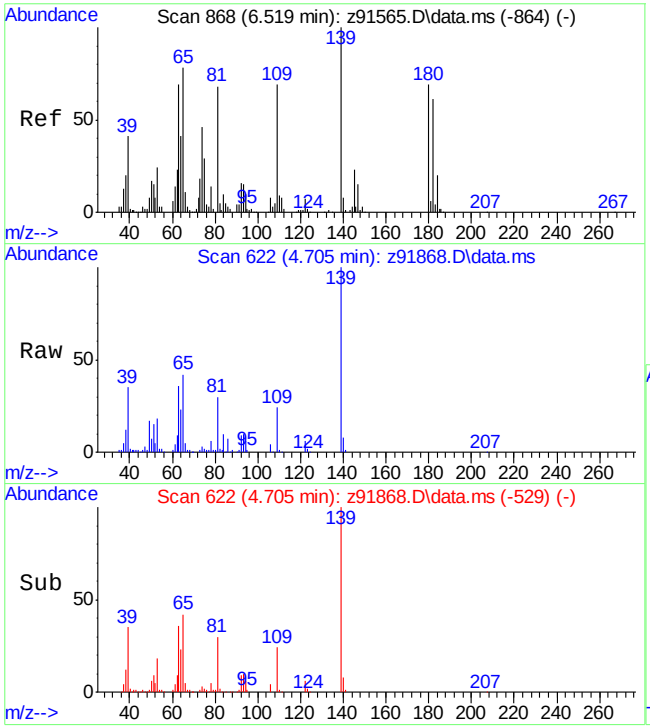


#21
3&4-Methylphenol
Concen: 46.83 ppb
RT: 4.186 min Scan# 525
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

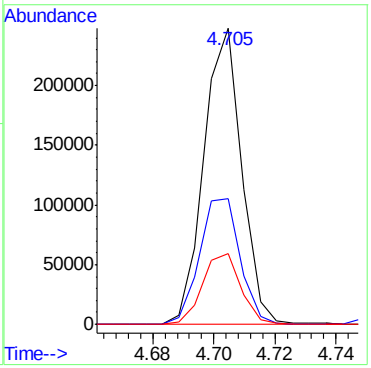


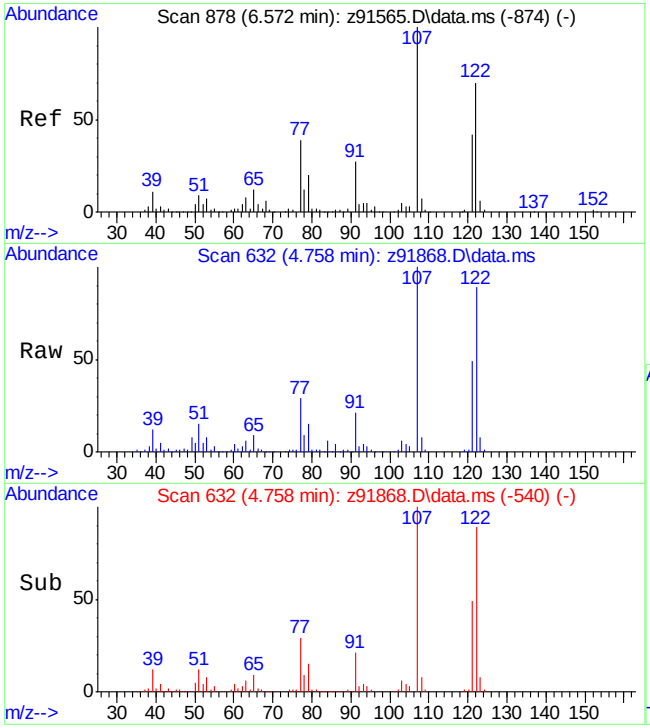


#29
2-Nitrophenol
Concen: 49.09 ppb
RT: 4.705 min Scan# 622
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

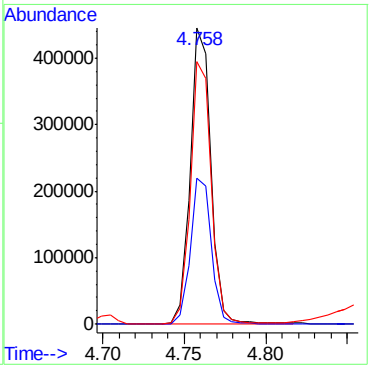


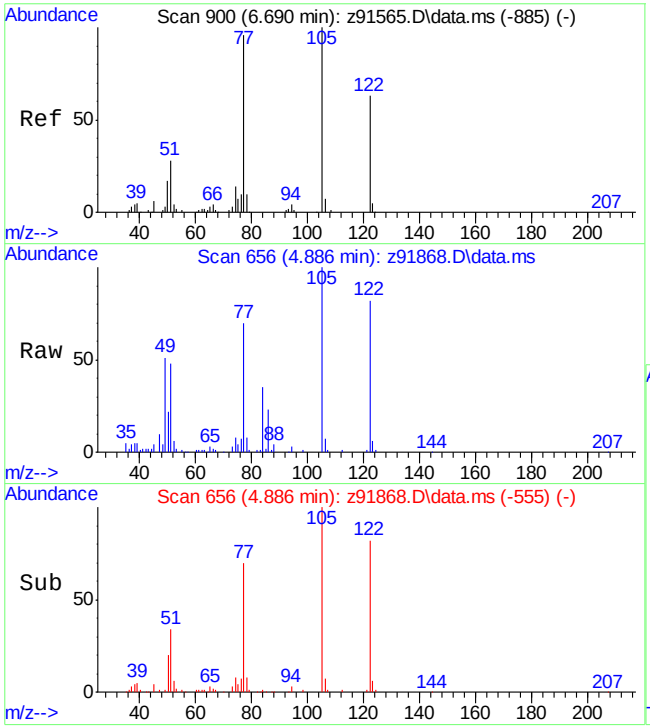


#30
2,4-Dimethylphenol
Concen: 55.27 ppb
RT: 4.758 min Scan# 632
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

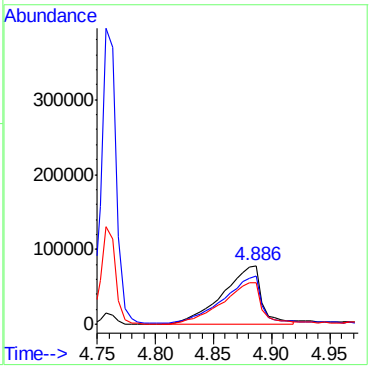


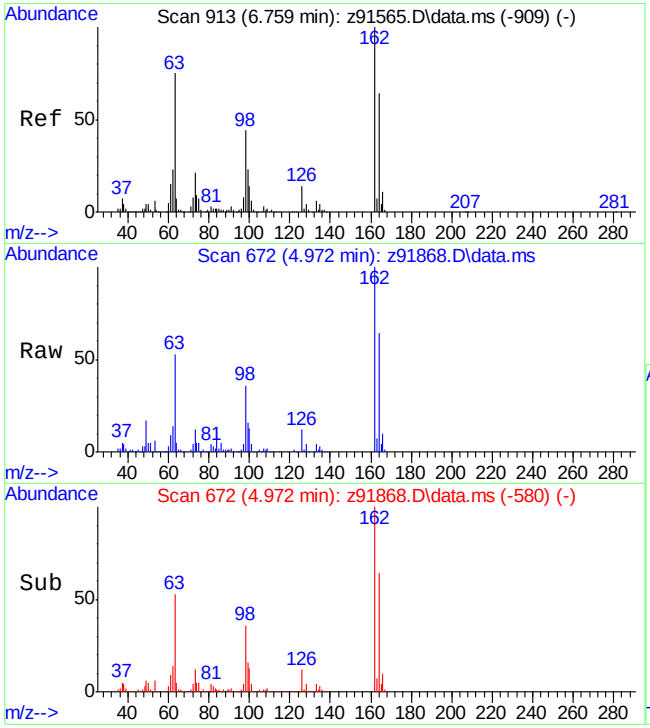


#31
Benzoic Acid
Concen: 45.61 ppb
RT: 4.886 min Scan# 656
Delta R.T. 0.037 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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#

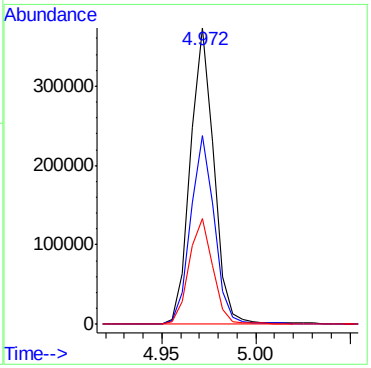


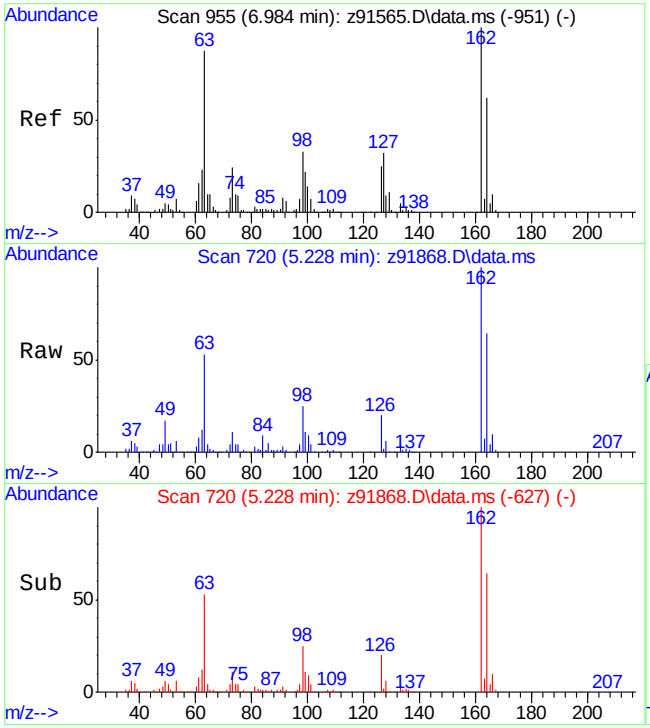


#33
2,4-Dichlorophenol
Concen: 49.30 ppb
RT: 4.972 min Scan# 672
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

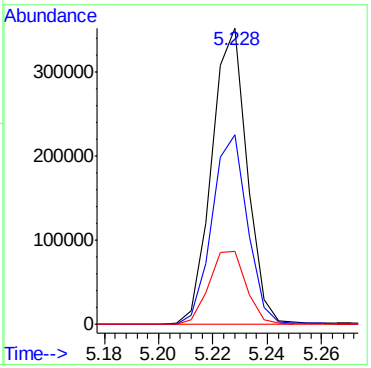


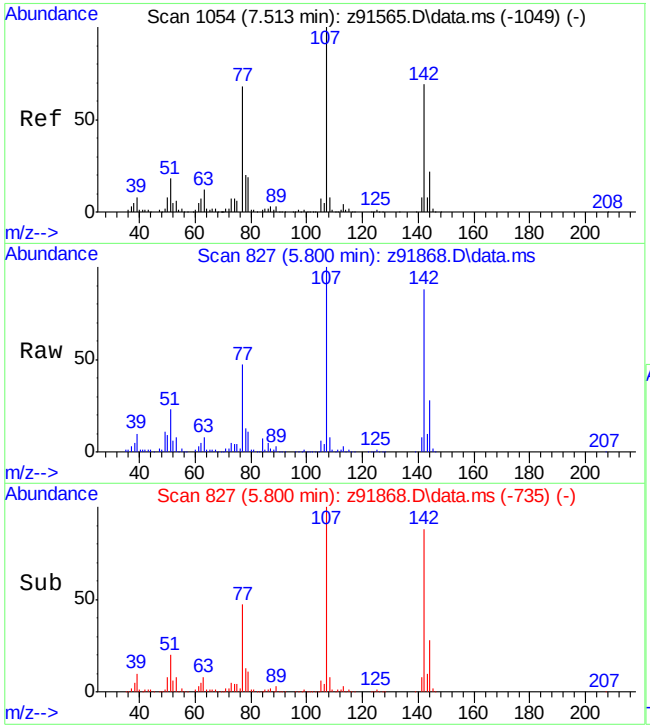


#34
2,6-Dichlorophenol
Concen: 49.32 ppb
RT: 5.228 min Scan# 720
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

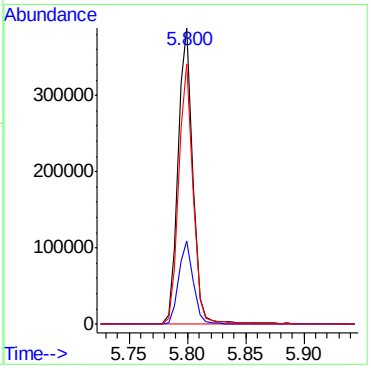


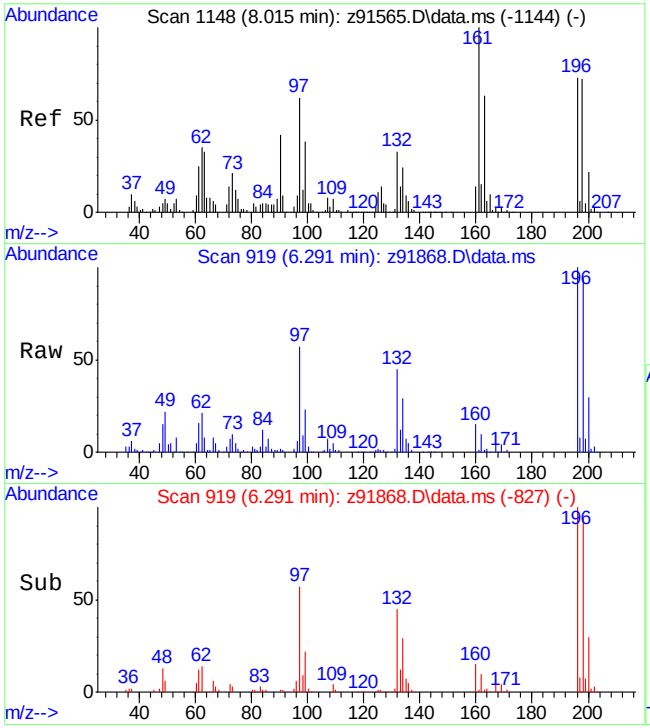


#43
4-Chloro-3-methylphenol
Concen: 48.25 ppb
RT: 5.800 min Scan# 827
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

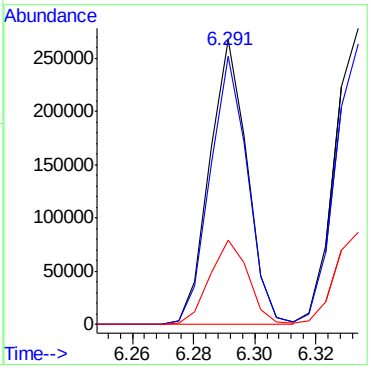


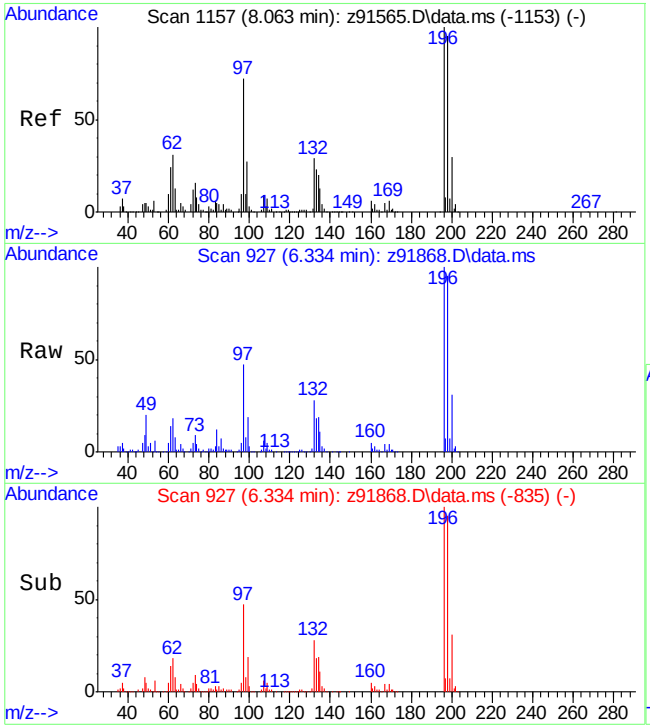


#49
2,4,6-Trichlorophenol
Concen: 50.63 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

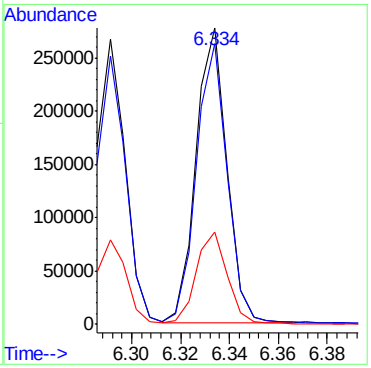


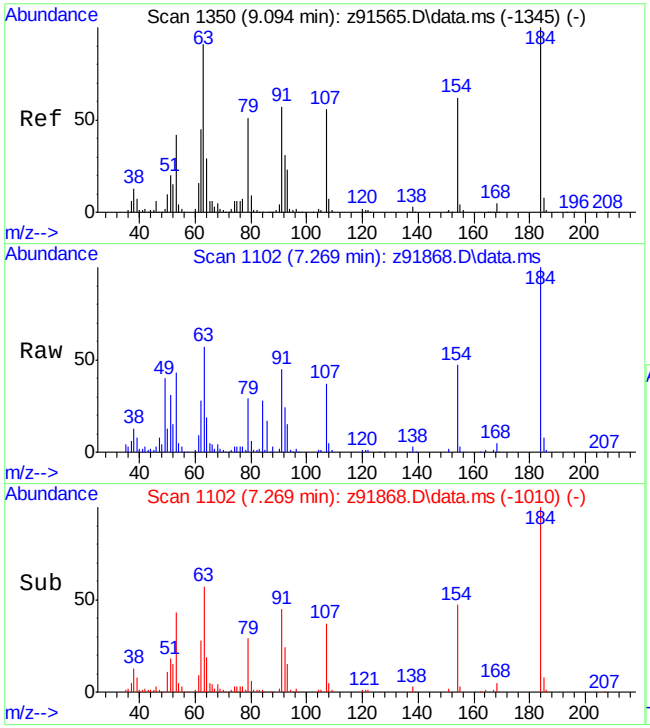


#50
2,4,5-Trichlorophenol
Concen: 50.76 ppb
RT: 6.334 min Scan# 927
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

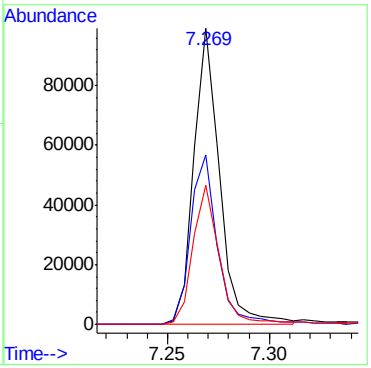


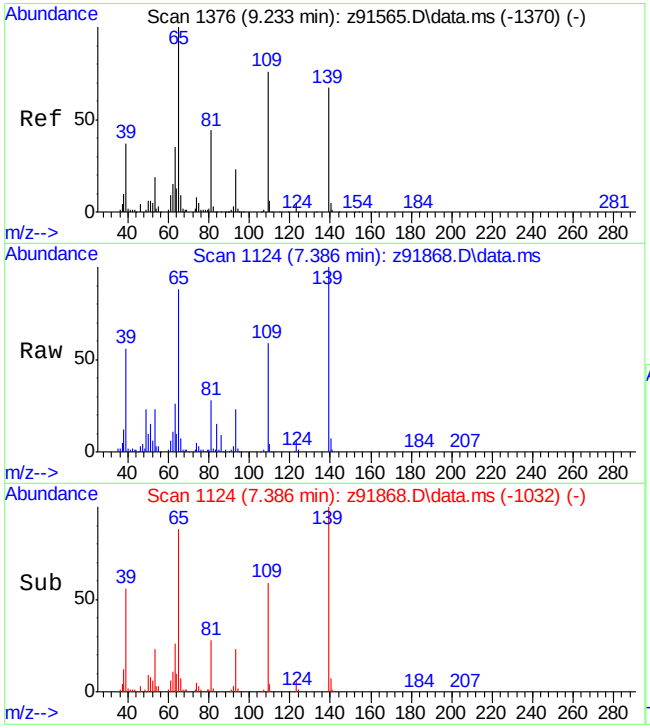


#60
2,4-Dinitrophenol
Concen: 44.53 ppb
RT: 7.269 min Scan# 1102
Delta R.T. -0.010 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

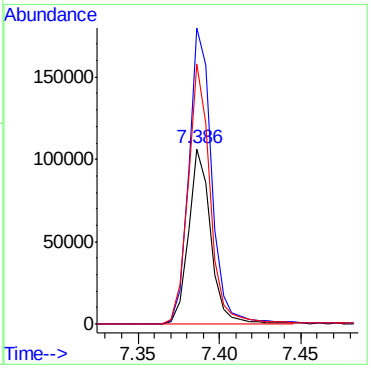


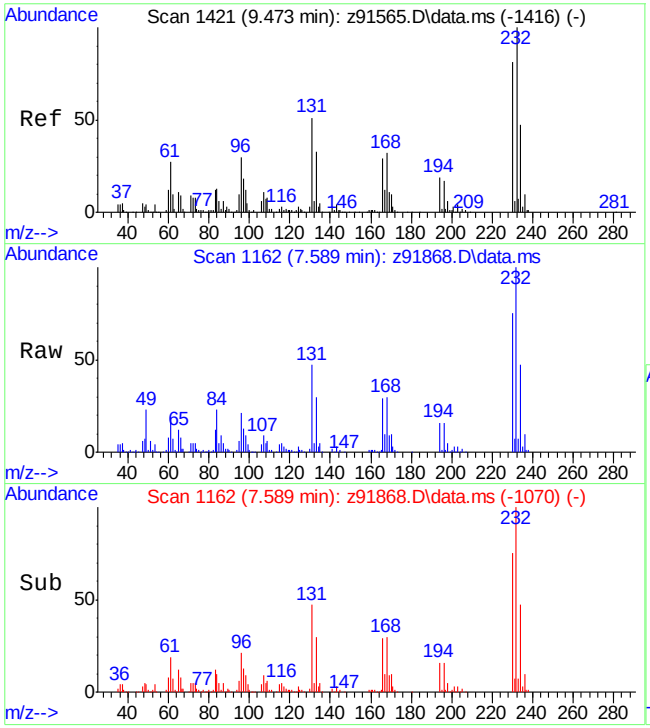


#61
4-Nitrophenol
Concen: 52.68 ppb
RT: 7.386 min Scan# 1124
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

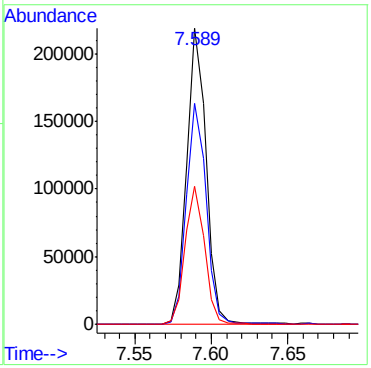


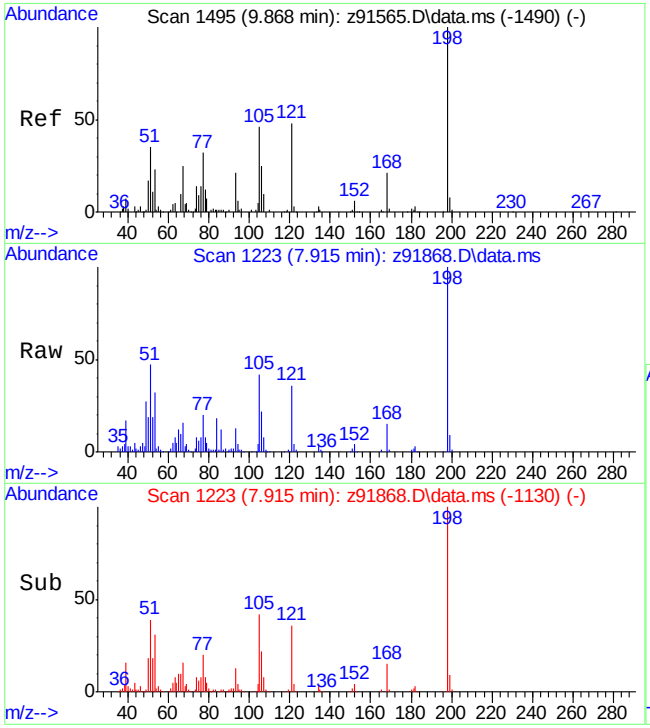


#64
2,3,4,6-Tetrachlorophenol
Concen: 49.90 ppb
RT: 7.589 min Scan# 1162
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

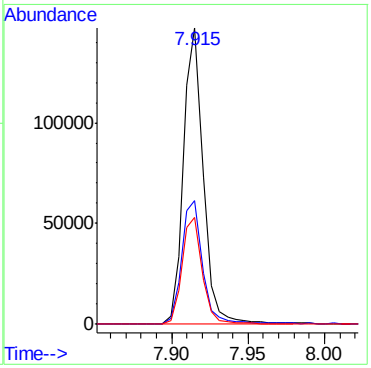


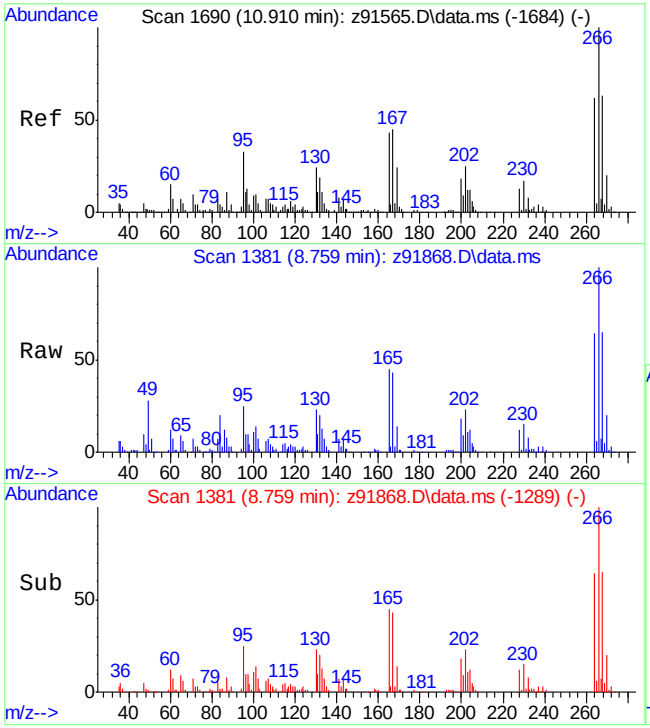


#70
4,6-Dinitro-2-methylphenol
Concen: 46.82 ppb
RT: 7.915 min Scan# 1223
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

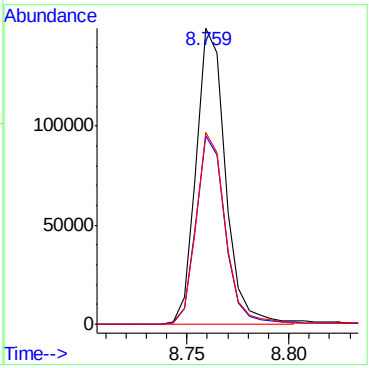




#76
Pentachlorophenol
Concen: 54.30 ppb
RT: 8.759 min Scan# 1381
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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



9.6.56

6

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
06/05/14 15:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92110.D
Acq On : 4 Jun 2014 9:14 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4582
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 14:15:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 04 09:13:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.679	152	382632	40.00	ppb	0.00
24) Naphthalene-d8	5.020	136	1493648	40.00	ppb	0.00
47) Acenaphthene-d10	7.071	164	824001	40.00	ppb	-0.01
69) Phenanthrene-d10	8.866	188	1373126	40.00	ppb	-0.01
83) Chrysene-d12	12.595	240	1357592	40.00	ppb	-0.01
92) Perylene-d12	14.641	264	1327536	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.679	152	382632	40.00	ppb	0.00
104) Phenanthrene-d10a	8.866	188	1373126	40.00	ppb	-0.01
106) Chrysene-d12a	12.595	240	1357592	40.00	ppb	-0.01
108) Acenaphthene-d10a	7.071	164	824001	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	2.589	112	650399	49.74	ppb	-0.01
Spiked Amount 50.000			Recovery =	99.48%		
8) Phenol-d5	3.342	99	799519	48.55	ppb	-0.01
Spiked Amount 50.000			Recovery =	97.10%		
25) Nitrobenzene-d5	4.240	82	678543	51.55	ppb	0.00
Spiked Amount 50.000			Recovery =	103.10%		
51) 2-Fluorobiphenyl	6.286	172	1263567	48.37	ppb	0.00
Spiked Amount 50.000			Recovery =	96.74%		
73) 2,4,6-Tribromophenol	8.028	330	204840	61.05	ppb	-0.01
Spiked Amount 50.000			Recovery =	122.10%		
86) Terphenyl-d14	11.067	244	1475306	54.04	ppb	-0.01
Spiked Amount 50.000			Recovery =	108.08%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.660	88	272338	41.57	ppb	99
3) Pyridine	1.825	79	720134	42.42	ppb	99
4) N-Nitrosodimethylamine	1.798	74	424500	46.26	ppb	93
6) Indene	3.930	116	1096340	42.31	ppb	99
7) Cumene	2.974	105	1625056	44.34	ppb	99
9) Phenol	3.358	94	917735	49.65	ppb	85
10) Aniline	3.374	93	868289	43.24	ppb	100
11) bis(2-Chloroethyl)ether	3.423	93	595318	45.95	ppb	97
12) 2-Chlorophenol	3.487	128	710210	48.20	ppb	98
13) Decane	3.513	43	699488	39.92	ppb	95
14) 1,3-Dichlorobenzene	3.626	146	763879	48.14	ppb	99
15) 1,4-Dichlorobenzene	3.695	146	771269	47.45	ppb	98
16) Benzyl alcohol	3.818	108	446004	50.26	ppb	97
17) 1,2-Dichlorobenzene	3.845	146	722916	47.45	ppb	97
18) Acetophenone	4.080	105	907372	42.84	ppb	97
19) 2-Methylphenol	3.935	108	557867	44.96	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.946	121	194675	45.49	ppb	98
21) 3&4-Methylphenol	4.096	108	640888	48.12	ppb	99
22) n-Nitroso-di-n-propyla...	4.080	70	436130	46.71	ppb	96
23) Hexachloroethane	4.186	201	255826	50.92	ppb	98
26) Nitrobenzene	4.261	77	715254	49.16	ppb	98
27) Quinoline	5.426	129	1332286	44.53	ppb	99
28) Isophorone	4.512	82	1208904	50.30	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92110.D
Acq On : 4 Jun 2014 9:14 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4582
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 14:15:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 04 09:13:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.603	139	376197	55.22	ppb		98
30) 2,4-Dimethylphenol	4.667	107	626814	55.16	ppb		98
31) Benzoic Acid	4.817	105	372913m	58.65	ppb		
32) bis(2-Chloroethoxy)met...	4.758	93	691125	47.30	ppb		99
33) 2,4-Dichlorophenol	4.876	162	538302	51.67	ppb		99
34) 2,6-Dichlorophenol	5.127	162	506484	49.57	ppb		100
35) 1,3,5-Trichlorobenzene	4.614	180	641156	44.14	ppb		98
36) 1,2,4-Trichlorobenzene	4.956	180	618695	49.86	ppb		99
37) 1,2,3-Trichlorobenzene	5.212	180	604701	44.02	ppb		99
38) Naphthalene	5.041	128	1933520	46.41	ppb		100
39) 4-Chloroaniline	5.121	127	792268	48.22	ppb		99
40) 2,3-Dichloroaniline	6.184	161	648036	45.44	ppb		99
41) Caprolactam	5.527	55	318503	45.89	ppb		95
42) Hexachlorobutadiene	5.196	225	341113	50.87	ppb		98
43) 4-Chloro-3-methylphenol	5.714	107	577712	52.19	ppb		100
44) 2-Methylnaphthalene	5.843	141	1096105	48.43	ppb		98
45) 1-Methylnaphthalene	5.955	141	1098530	44.06	ppb		99
46) Dimethylnaphthalene	6.580	156	1143853	45.28	ppb		99
48) Hexachlorocyclopentadiene	6.035	237	712657	109.40	ppb		99
49) 2,4,6-Trichlorophenol	6.195	196	381290	53.32	ppb		98
50) 2,4,5-Trichlorophenol	6.243	196	410482	54.12	ppb		98
52) 2-Chloronaphthalene	6.414	162	1194557	48.73	ppb		99
53) Biphenyl	6.398	154	1541238	44.22	ppb		99
54) 2-Nitroaniline	6.558	65	379591	56.47	ppb		99
55) Dimethylphthalate	6.783	163	1274986	48.71	ppb		100
56) Acenaphthylene	6.900	152	1929406	50.10	ppb		100
57) 2,6-Dinitrotoluene	6.847	165	310637	57.90	ppb		97
58) 3-Nitroaniline	7.050	138	371401	54.78	ppb		91
59) Acenaphthene	7.114	153	1159652	47.60	ppb		99
60) 2,4-Dinitrophenol	7.173	184	358556	98.29	ppb		84
61) 4-Nitrophenol	7.306	109	187186	61.02	ppb	#	61
62) Dibenzofuran	7.322	168	1606907	47.54	ppb		85
63) 2,4-Dinitrotoluene	7.333	165	429356	58.63	ppb		95
64) 2,3,4,6-Tetrachlorophenol	7.488	232	333950	54.38	ppb		98
65) Diethylphthalate	7.638	149	1316902	51.68	ppb		100
66) Fluorene	7.734	166	1292451	48.89	ppb		98
67) 4-Chlorophenyl-phenyle...	7.744	204	597406	48.29	ppb		93
68) 4-Nitroaniline	7.792	138	371812	54.72	ppb		92
70) 4,6-Dinitro-2-methylph...	7.825	198	248480	56.38	ppb		97
71) n-Nitrosodiphenylamine	7.899	169	897709	51.60	ppb		99
72) 1,2-Diphenylhydrazine	7.937	77	1359588	50.26	ppb		97
74) 4-Bromophenyl-phenylether	8.332	248	366305	51.96	ppb		96
75) Hexachlorobenzene	8.401	284	435520	51.77	ppb		99
76) Pentachlorophenol	8.658	266	494765	115.68	ppb		100
77) Phenanthrene	8.898	178	1935726	48.47	ppb		99
78) Anthracene	8.962	178	1946972	50.29	ppb		100
79) Carbazole	9.192	167	1812890	45.21	ppb		100
80) Di-n-butylphthalate	9.689	149	2222633	56.43	ppb		100
81) Fluoranthene	10.485	202	2038512	52.42	ppb		95
82) Octadecane	8.797	57	870522	46.17	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92110.D
Acq On : 4 Jun 2014 9:14 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4582
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 14:15:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 04 09:13:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.800	202	2137019	51.63	ppb	95
85) Butyl stearate	11.970	56	628997	56.29	ppb	97
87) Butylbenzylphthalate	11.826	149	983061	58.89	ppb	99
88) Benzo[a]anthracene	12.579	228	1963988	52.60	ppb	99
89) 3,3'-Dichlorobenzidine	12.584	252	734216	59.82	ppb	99
90) Chrysene	12.633	228	1866140	50.35	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.734	149	1359865	59.98	ppb	99
93) Di-n-octylphthalate	13.690	149	2362651	52.86	ppb	100
94) Benzo[b]fluoranthene	14.134	252	2090253	52.84	ppb	98
95) Benzo[k]fluoranthene	14.176	252	1984708	48.57	ppb	98
96) Benzo[a]pyrene	14.566	252	1866637	53.12	ppb	97
97) Indeno[1,2,3-cd]pyrene	16.094	276	1963549	57.92	ppb	97
98) Dibenz(a,h)acridine	15.763	279	1742059	52.78	ppb	99
99) Dibenz[a,h]anthracene	16.132	278	1966285	55.00	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.139	256	927854	60.22	ppb	99
101) Benzo[g,h,i]perylene	16.506	276	1881207	53.27	ppb	95

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

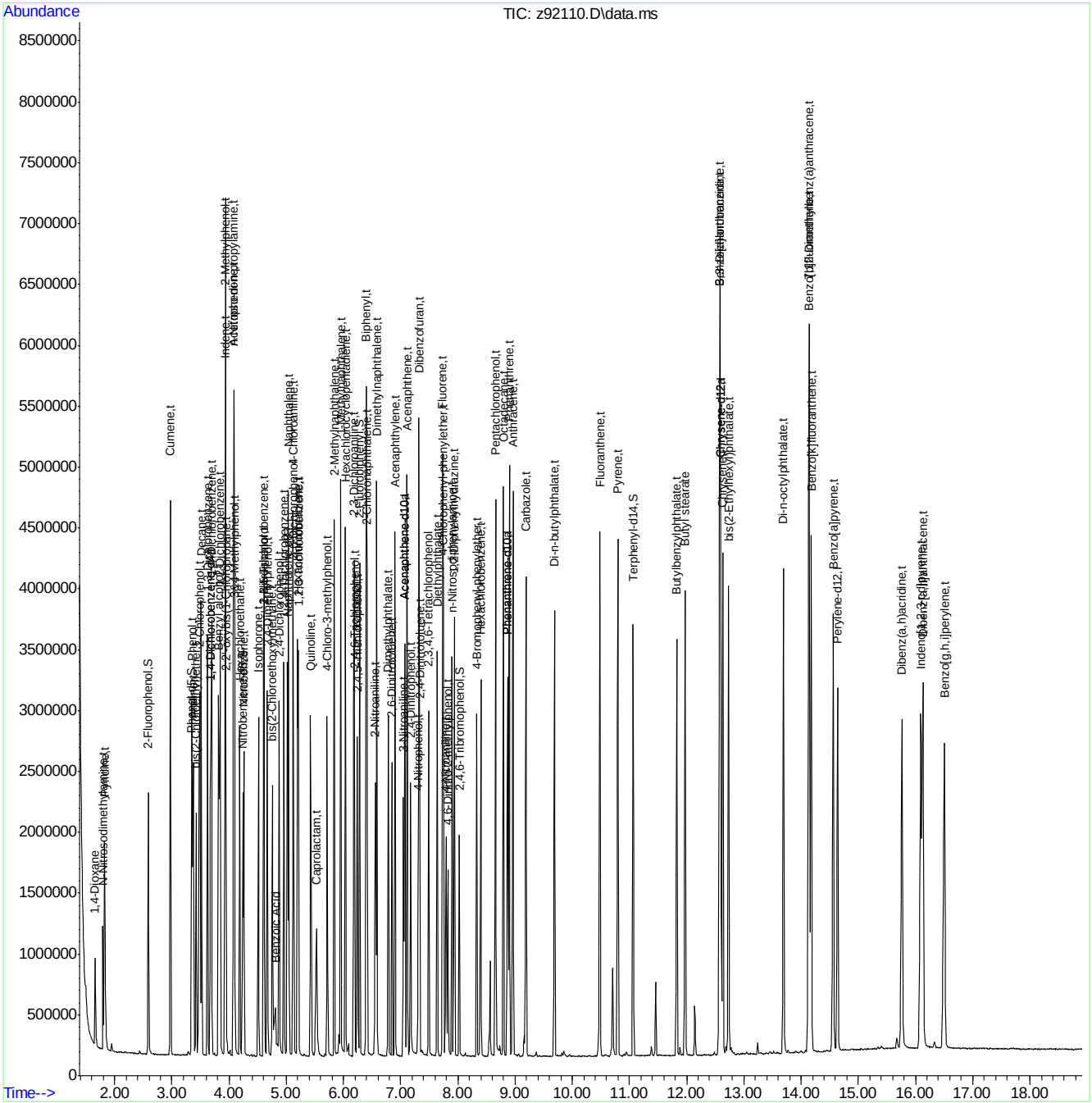
9.6.57

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92110.D
Acq On : 4 Jun 2014 9:14 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4582
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 14:15:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed Jun 04 09:13:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Manual Integration Approval Summary

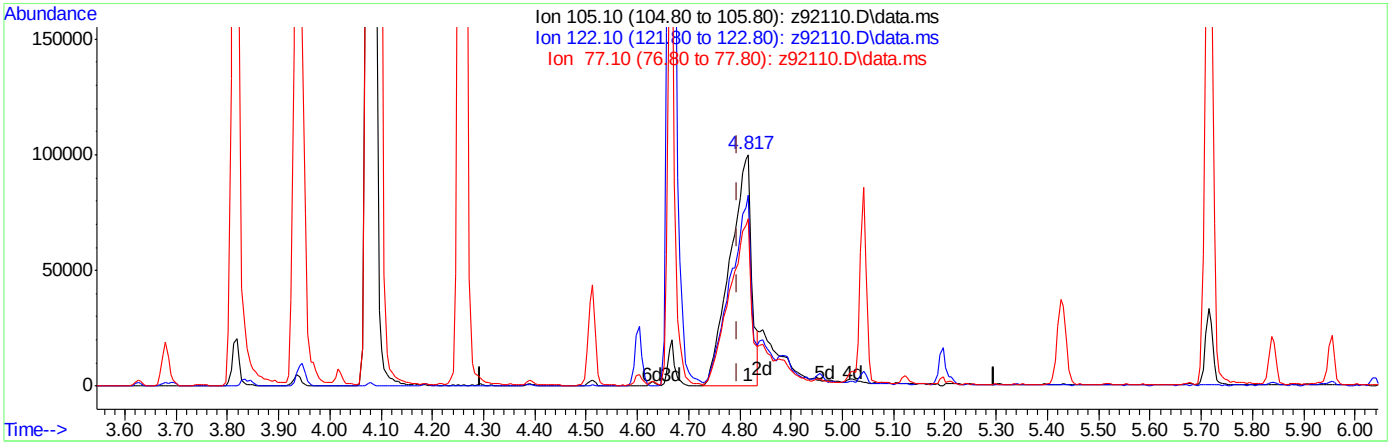
Sample Number:	EZ4582-CC4569	**Method:**	SW846 8270D
Lab FileID:	Z92110.D	**Analyst approved:**	06/04/14 14:25 Ashley Royal
Injection Time:	06/04/14 09:14	**Supervisor approved:**	06/05/14 15:05 Jennifer Laidlaw

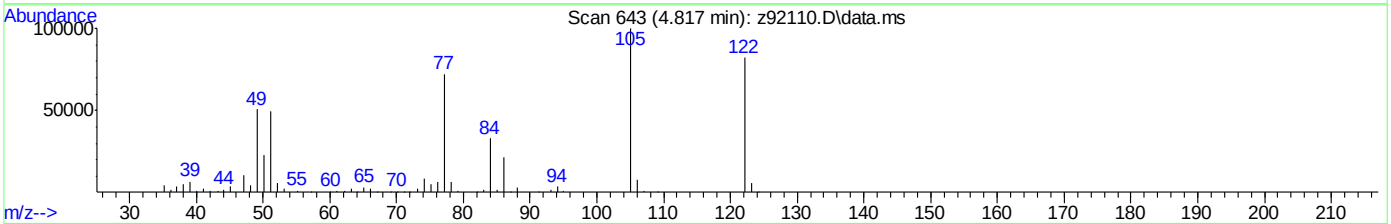
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.82	Poor instrument integration

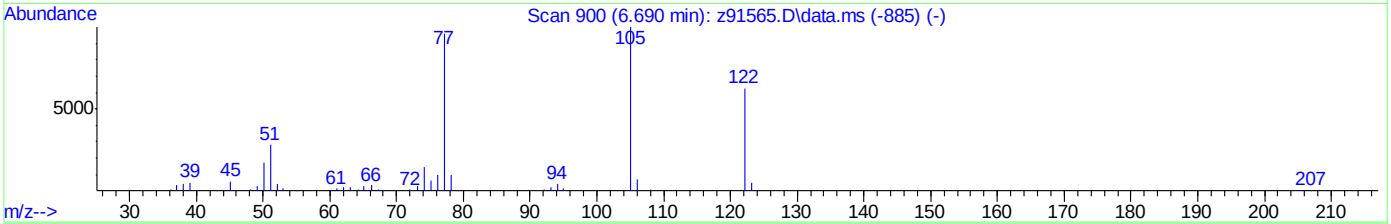
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92110.D
Acq On : 4 Jun 2014 9:14 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4582
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 09:34:17 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 Jun 04 09:13:44 2014
Response via : Initial Calibration







TIC: z92110.D\data.ms

(31) Benzoic Acid

4.817min (+0.021) 45.57ppb

response 289762

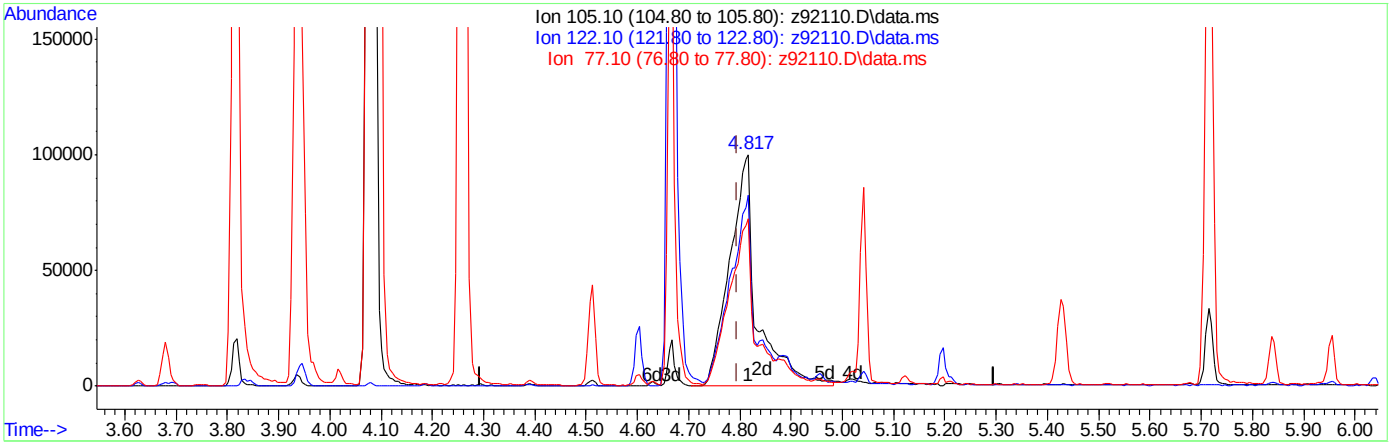
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	78.67#
77.10	33.90	71.52#
0.00	0.00	0.00

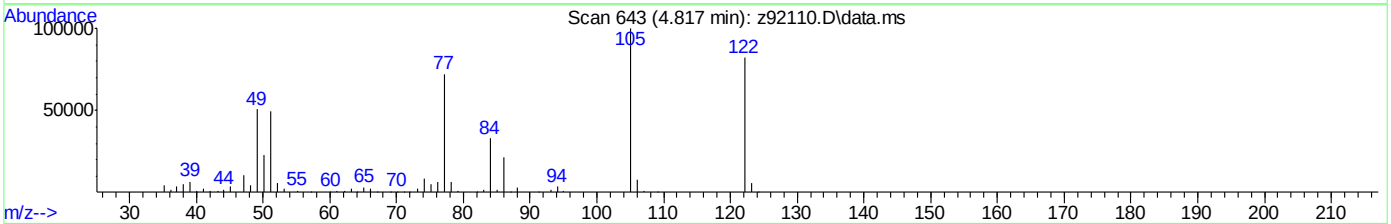
ACCUTEST LABORATORIES JB68173

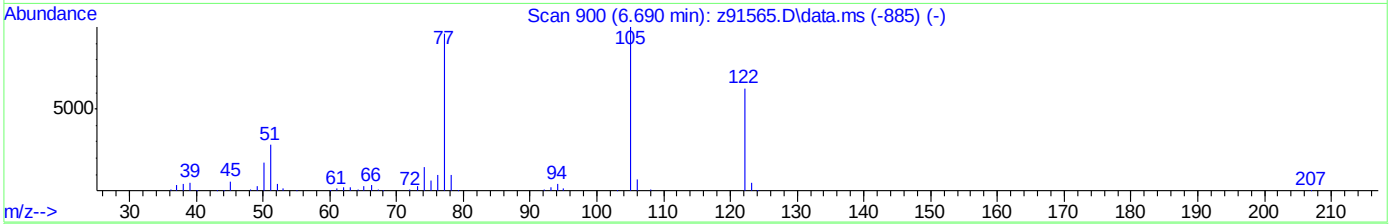
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92110.D
Acq On : 4 Jun 2014 9:14 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4582
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 09:34:17 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 Jun 04 09:13:44 2014
Response via : Initial Calibration







TIC: z92110.D\data.ms

(31) Benzoic Acid

4.817min (+0.021) 58.65ppb m

response 372913

Ion	Exp%	Act%
105.10	100	100
122.10	106.20	61.13#
77.10	33.90	55.57#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92111.D
Acq On : 4 Jun 2014 9:40 am
Operator : ashleyv
Sample : cc4571-50
Misc : op73791,ez4582
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 14:16:46 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 Jun 03 11:48:54 2014
Response via : Initial Calibration

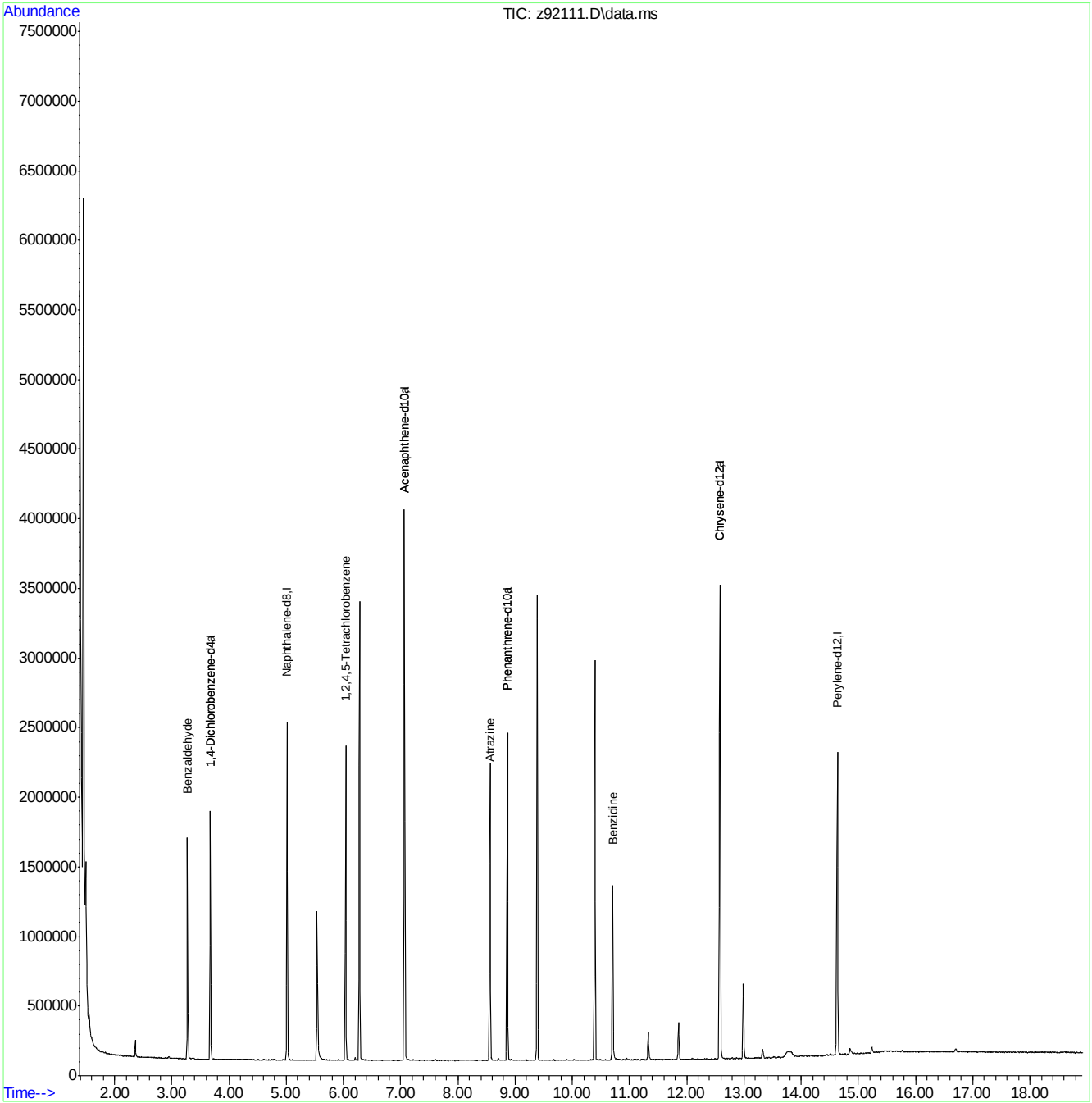
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.674	152	260672	40.00	ppb	-0.02
24) Naphthalene-d8	5.014	136	1025935	40.00	ppb	-0.02
47) Acenaphthene-d10	7.071	164	561605	40.00	ppb	-0.02
69) Phenanthrene-d10	8.861	188	973692	40.00	ppb	-0.03
83) Chrysene-d12	12.584	240	997727	40.00	ppb	-0.04
92) Perylene-d12	14.636	264	965236	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.674	152	260672	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.861	188	973692	40.00	ppb	-0.03
106) Chrysene-d12a	12.584	240	997727	40.00	ppb	-0.04
108) Acenaphthene-d10a	7.071	164	561605	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%		
Target Compounds						Qvalue
103) Benzaldehyde	3.273	105	275935	45.09	ppb	85
105) Atrazine	8.567	215	139862	63.05	ppb #	78
107) Benzidine	10.709	184	601315	58.71	ppb	99
109) 1,2,4,5-Tetrachloroben...	6.040	216	391932	57.81	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4582\
Data File : z92111.D
Acq On : 4 Jun 2014 9:40 am
Operator : ashleyv
Sample : cc4571-50
Misc : op73791,ez4582
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 14:16:46 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 Jun 03 11:48:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92390.D
Acq On : 11 Jun 2014 9:35 am
Operator : harpreek
Sample : cc4569-25
Misc : op73791,ez4593
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 22:39:29 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.572	152	279141	40.00	ppb		0.00
24) Naphthalene-d8	4.902	136	1113387	40.00	ppb		0.00
47) Acenaphthene-d10	6.954	164	635323	40.00	ppb		0.00
69) Phenanthrene-d10	8.743	188	1077346	40.00	ppb		0.00
83) Chrysene-d12	12.445	240	1124909	40.00	ppb		0.00
92) Perylene-d12	14.492	264	1048266	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.572	152	279141	40.00	ppb		0.00
104) Phenanthrene-d10a	8.743	188	1077346	40.00	ppb		0.00
106) Chrysene-d12a	12.445	240	1124909	40.00	ppb		0.00
108) Acenaphthene-d10a	6.954	164	635323	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.504	112	237206	24.87	ppb		0.00
Spiked Amount 50.000			Recovery = 49.74%				
8) Phenol-d5	3.262	99	309585	25.77	ppb		0.00
Spiked Amount 50.000			Recovery = 51.54%				
25) Nitrobenzene-d5	4.128	82	275826	28.11	ppb		0.00
Spiked Amount 50.000			Recovery = 56.22%				
51) 2-Fluorobiphenyl	6.168	172	492316	24.44	ppb		0.00
Spiked Amount 50.000			Recovery = 48.88%				
73) 2,4,6-Tribromophenol	7.910	330	78670	29.88	ppb		0.00
Spiked Amount 50.000			Recovery = 59.76%				
86) Terphenyl-d14	10.923	244	592971	26.21	ppb		0.00
Spiked Amount 50.000			Recovery = 52.42%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.585	88	99403	20.80	ppb		92
3) Pyridine	1.745	79	271109	21.89	ppb		91
4) N-Nitrosodimethylamine	1.718	74	158796	23.72	ppb		74
6) Indene	3.823	116	440850	23.32	ppb		98
7) Cumene	2.872	105	615189	23.01	ppb		98
9) Phenol	3.273	94	353721	26.23	ppb	#	29
10) Aniline	3.273	93	332773	22.71	ppb	#	28
11) bis(2-Chloroethyl)ether	3.316	93	236145	24.99	ppb		95
12) 2-Chlorophenol	3.390	128	266851	24.83	ppb		97
13) Decane	3.412	43	316787	24.78	ppb		89
14) 1,3-Dichlorobenzene	3.519	146	284085	24.54	ppb		97
15) 1,4-Dichlorobenzene	3.588	146	290312	24.48	ppb		99
16) Benzyl alcohol	3.716	108	174978	27.03	ppb		90
17) 1,2-Dichlorobenzene	3.738	146	271269	24.41	ppb		96
18) Acetophenone	3.973	105	370668	23.99	ppb		97
19) 2-Methylphenol	3.844	108	231892	25.62	ppb		99
20) 2,2'-oxybis(1-Chloropr...	3.839	121	77806	24.92	ppb	#	73
21) 3&4-Methylphenol	4.005	108	253503	26.09	ppb		99
22) n-Nitroso-di-n-propyla...	3.973	70	189831	27.87	ppb		88
23) Hexachloroethane	4.079	201	95686	26.10	ppb		91
26) Nitrobenzene	4.149	77	295503	27.24	ppb		91
27) Quinoline	5.308	129	529774	23.75	ppb		98
28) Isophorone	4.400	82	493895	27.57	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92390.D
Acq On : 11 Jun 2014 9:35 am
Operator : harpreek
Sample : cc4569-25
Misc : op73791,ez4593
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 22:39:29 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.491	139	142800	28.12	ppb		89
30) 2,4-Dimethylphenol	4.566	107	233455	27.56	ppb		94
31) Benzoic Acid	4.710	105	186259	39.30	ppb	#	62
32) bis(2-Chloroethoxy)met...	4.646	93	273873	25.14	ppb		99
33) 2,4-Dichlorophenol	4.774	162	206733	26.62	ppb		99
34) 2,6-Dichlorophenol	5.020	162	201699	26.48	ppb		99
35) 1,3,5-Trichlorobenzene	4.496	180	243385	22.48	ppb		98
36) 1,2,4-Trichlorobenzene	4.843	180	232795	25.17	ppb		97
37) 1,2,3-Trichlorobenzene	5.095	180	230277	22.49	ppb		99
38) Naphthalene	4.929	128	756696	24.37	ppb		99
39) 4-Chloroaniline	5.009	127	311984	25.47	ppb		95
40) 2,3-Dichloroaniline	6.072	161	256175	24.10	ppb		99
41) Caprolactam	5.394	55	140339	27.13	ppb		96
42) Hexachlorobutadiene	5.078	225	130222	26.05	ppb		99
43) 4-Chloro-3-methylphenol	5.618	107	234836	28.46	ppb		95
44) 2-Methylnaphthalene	5.725	141	429369	25.45	ppb		96
45) 1-Methylnaphthalene	5.837	141	432344	23.26	ppb		96
46) Dimethylnaphthalene	6.462	156	451533	23.98	ppb		96
48) Hexachlorocyclopentadiene	5.923	237	248507	49.48	ppb		99
49) 2,4,6-Trichlorophenol	6.083	196	150378	27.27	ppb		98
50) 2,4,5-Trichlorophenol	6.136	196	160272	27.40	ppb		98
52) 2-Chloronaphthalene	6.297	162	471019	24.92	ppb		99
53) Biphenyl	6.280	154	610176	22.71	ppb		99
54) 2-Nitroaniline	6.441	65	170691	32.93	ppb		83
55) Dimethylphthalate	6.670	163	510856	25.31	ppb		99
56) Acenaphthylene	6.783	152	763132	25.70	ppb		99
57) 2,6-Dinitrotoluene	6.735	165	121222	29.31	ppb		97
58) 3-Nitroaniline	6.938	138	145838	27.90	ppb		87
59) Acenaphthene	6.991	153	461397	24.56	ppb		99
60) 2,4-Dinitrophenol	7.060	184	127619	51.32	ppb		73
61) 4-Nitrophenol	7.221	109	85145	36.00	ppb	#	78
62) Dibenzofuran	7.199	168	661540	25.38	ppb		81
63) 2,4-Dinitrotoluene	7.215	165	172787	30.60	ppb		71
64) 2,3,4,6-Tetrachlorophenol	7.376	232	128179	27.07	ppb		97
65) Diethylphthalate	7.520	149	531801	27.07	ppb		99
66) Fluorene	7.611	166	523941	25.71	ppb		100
67) 4-Chlorophenyl-phenyle...	7.627	204	241114	25.28	ppb		93
68) 4-Nitroaniline	7.675	138	150273	28.68	ppb		84
70) 4,6-Dinitro-2-methylph...	7.707	198	94327	27.28	ppb		94
71) n-Nitrosodiphenylamine	7.782	169	352221	25.81	ppb		99
72) 1,2-Diphenylhydrazine	7.819	77	592461	27.91	ppb		96
74) 4-Bromophenyl-phenylether	8.209	248	141729	25.62	ppb		87
75) Hexachlorobenzene	8.278	284	171009	25.91	ppb		97
76) Pentachlorophenol	8.540	266	186530	55.58	ppb		99
77) Phenanthrene	8.770	178	774604	24.72	ppb		99
78) Anthracene	8.834	178	789627	26.00	ppb		99
79) Carbazole	9.064	167	754303	23.98	ppb		99
80) Di-n-butylphthalate	9.561	149	906218	29.32	ppb		99
81) Fluoranthene	10.341	202	830670	27.23	ppb		98
82) Octadecane	8.674	57	406276	27.46	ppb		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92390.D
Acq On : 11 Jun 2014 9:35 am
Operator : harpreek
Sample : cc4569-25
Misc : op73791,ez4593
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 22:39:29 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 Jun 11 22:23:22 2014
Response via : Initial Calibration

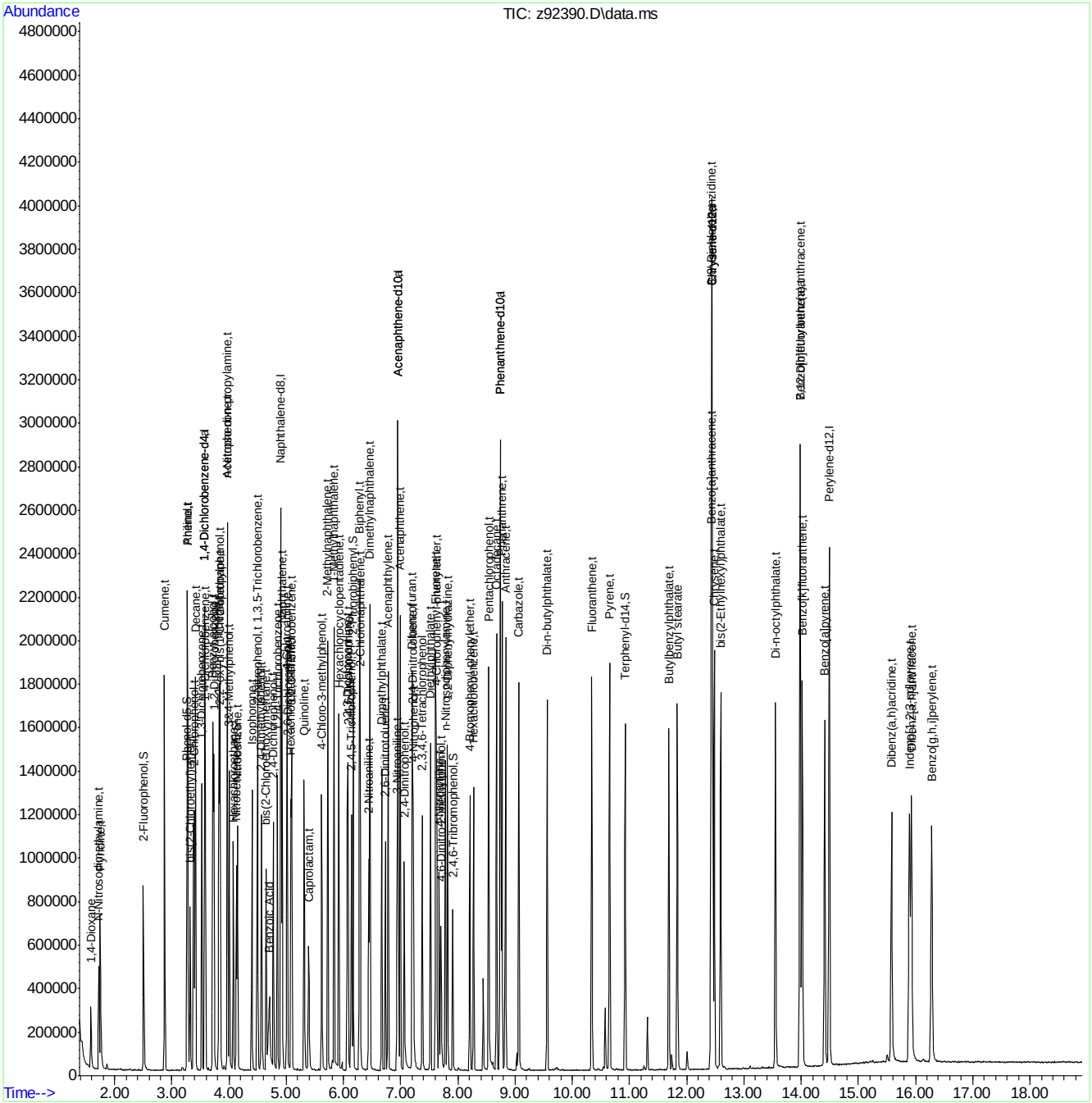
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.656	202	877193	25.58	ppb	98
85) Butyl stearate	11.836	56	294595	31.81	ppb	96
87) Butylbenzylphthalate	11.687	149	414867	29.99	ppb	94
88) Benzo[a]anthracene	12.429	228	816257	26.39	ppb	100
89) 3,3'-Dichlorobenzidine	12.440	252	306268	30.12	ppb	99
90) Chrysene	12.483	228	769159	25.05	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.595	149	562383	29.93	ppb	100
93) Di-n-octylphthalate	13.551	149	963822	29.61	ppb	96
94) Benzo[b]fluoranthene	13.984	252	848512	27.16	ppb	97
95) Benzo[k]fluoranthene	14.021	252	810185	25.11	ppb	97
96) Benzo[a]pyrene	14.411	252	736440	26.54	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.897	276	736865	27.53	ppb	95
98) Dibenz(a,h)acridine	15.581	279	664771	25.50	ppb	99
99) Dibenz[a,h]anthracene	15.929	278	744139	26.36	ppb	98
100) 7,12-Dimethylbenz(a)an...	13.984	256	359666	29.56	ppb	99
101) Benzo[g,h,i]perylene	16.281	276	720319	25.83	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92390.D
Acq On : 11 Jun 2014 9:35 am
Operator : harpreek
Sample : cc4569-25
Misc : op73791,ez4593
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 22:39:29 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 Jun 11 22:23:22 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92391.D
Acq On : 11 Jun 2014 10:10 am
Operator : harpreek
Sample : cc4571-25
Misc : op73791,ez4593
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 15:38:50 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 Jun 10 14:36:56 2014
Response via : Initial Calibration

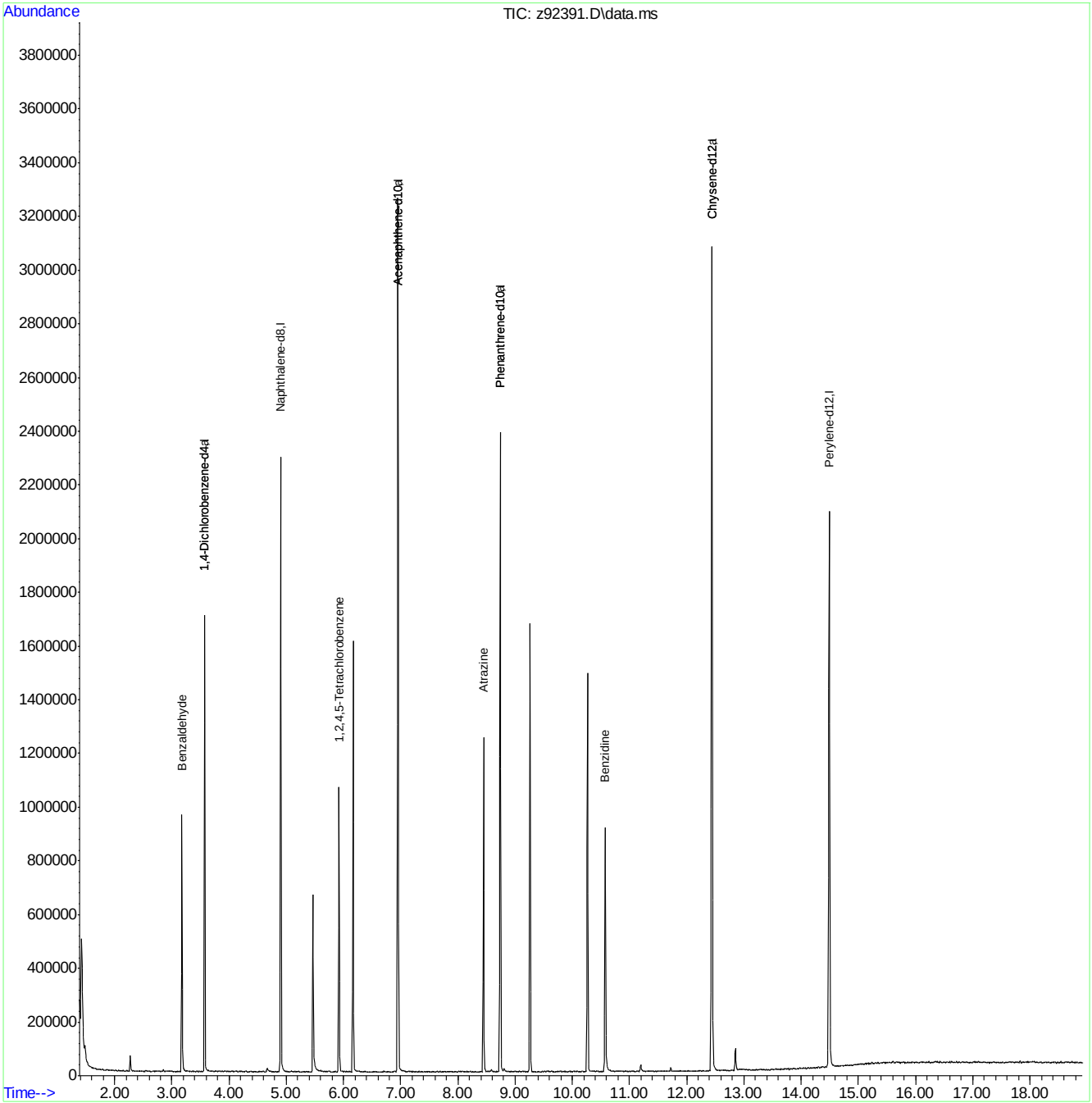
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.572	152	228728	40.00	ppb	-0.05
24) Naphthalene-d8	4.902	136	932114	40.00	ppb	-0.06
47) Acenaphthene-d10	6.954	164	521121	40.00	ppb	-0.06
69) Phenanthrene-d10	8.743	188	906406	40.00	ppb	-0.06
83) Chrysene-d12	12.445	240	976788	40.00	ppb	-0.08
92) Perylene-d12	14.492	264	932314	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	3.572	152	228728	40.00	ppb	-0.05
104) Phenanthrene-d10a	8.743	188	906406	40.00	ppb	-0.06
106) Chrysene-d12a	12.445	240	976788	40.00	ppb	-0.08
108) Acenaphthene-d10a	6.954	164	521121	40.00	ppb	-0.06
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%		
Target Compounds						Qvalue
103) Benzaldehyde	3.171	105	165706	30.86	ppb	86
105) Atrazine	8.449	215	62329	26.70	ppb #	77
107) Benzidine	10.576	184	404046	40.29	ppb	99
109) 1,2,4,5-Tetrachloroben...	5.923	216	175929	27.96	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4593\
Data File : z92391.D
Acq On : 11 Jun 2014 10:10 am
Operator : harpreek
Sample : cc4571-25
Misc : op73791,ez4593
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 15:38:50 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 Jun 10 14:36:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92459.D
Acq On : 12 Jun 2014 5:12 pm
Operator : olgaa
Sample : ic4596-100
Misc : op73791,ez4596,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 17:42:36 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

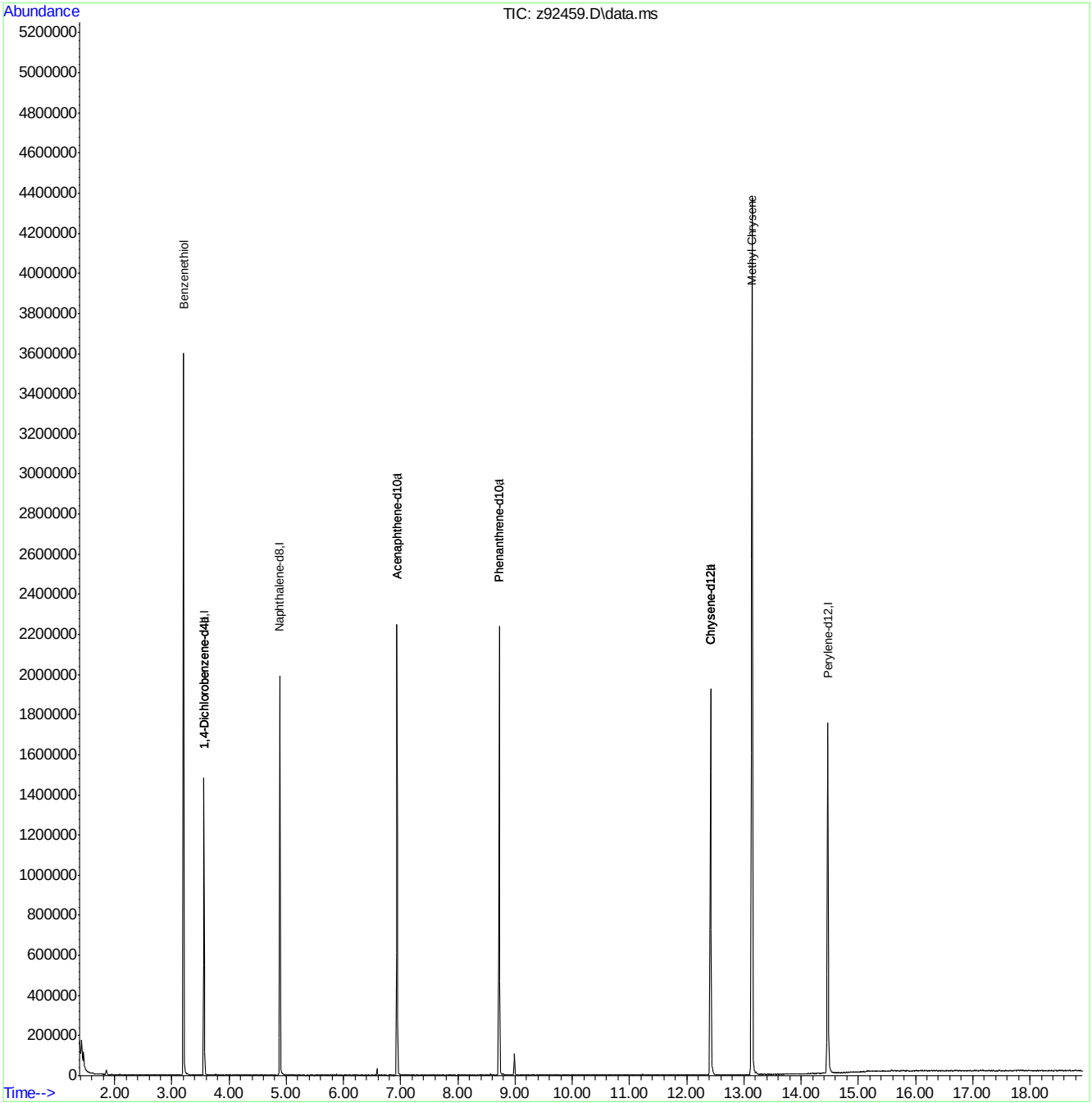
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	208146	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	842100	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	470197	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	798955	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	835341	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	782376	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	208146	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	798955	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	835341	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	470197	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	208146	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	835341	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) Benzenethiol	3.203	110	938681	100.00	ppb	99
115) Methyl Chrysene	13.145	242	1702650	107.86	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92459.D
Acq On : 12 Jun 2014 5:12 pm
Operator : olgaa
Sample : ic4596-100
Misc : op73791,ez4596,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 17:42:36 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92460.D
Acq On : 12 Jun 2014 5:38 pm
Operator : olgaa
Sample : ic4596-80
Misc : op73791,ez4596,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 19:39:49 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

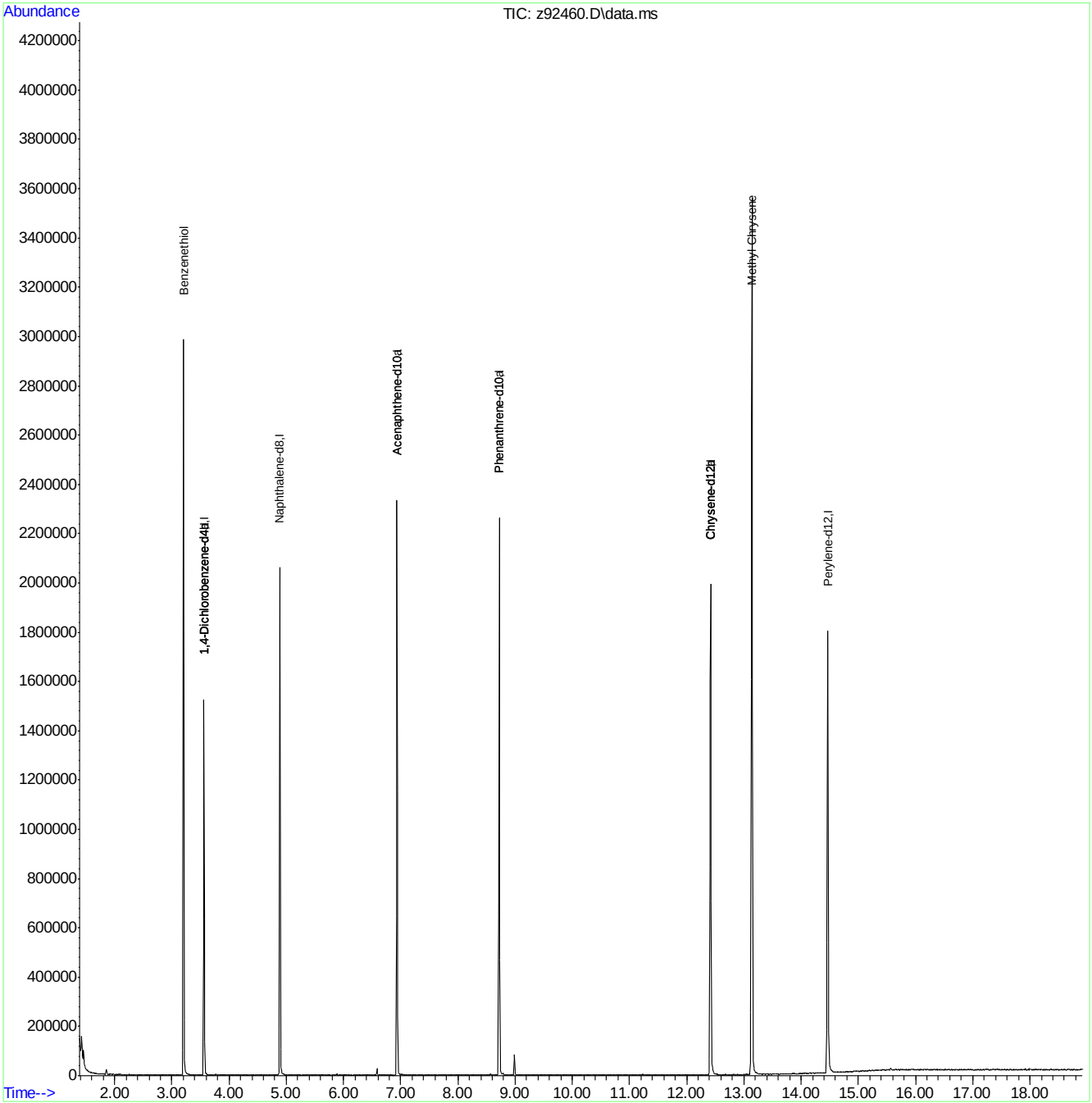
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	210152	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	871818	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	476550	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	815118	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	836684	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	785658	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	210152	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	815118	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	836684	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	476550	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	210152	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	836684	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) Benzenethiol	3.203	110	773111	81.58	ppb	99
115) Methyl Chrysene	13.140	242	1361817	86.13	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92460.D
Acq On : 12 Jun 2014 5:38 pm
Operator : olgaa
Sample : ic4596-80
Misc : op73791,ez4596,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 19:39:49 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB68173

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92461.D
Acq On : 12 Jun 2014 6:04 pm
Operator : olgaa
Sample : icc4596-50
Misc : op73791,ez4596,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 19:41:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:41:35 2014
Response via : Initial Calibration

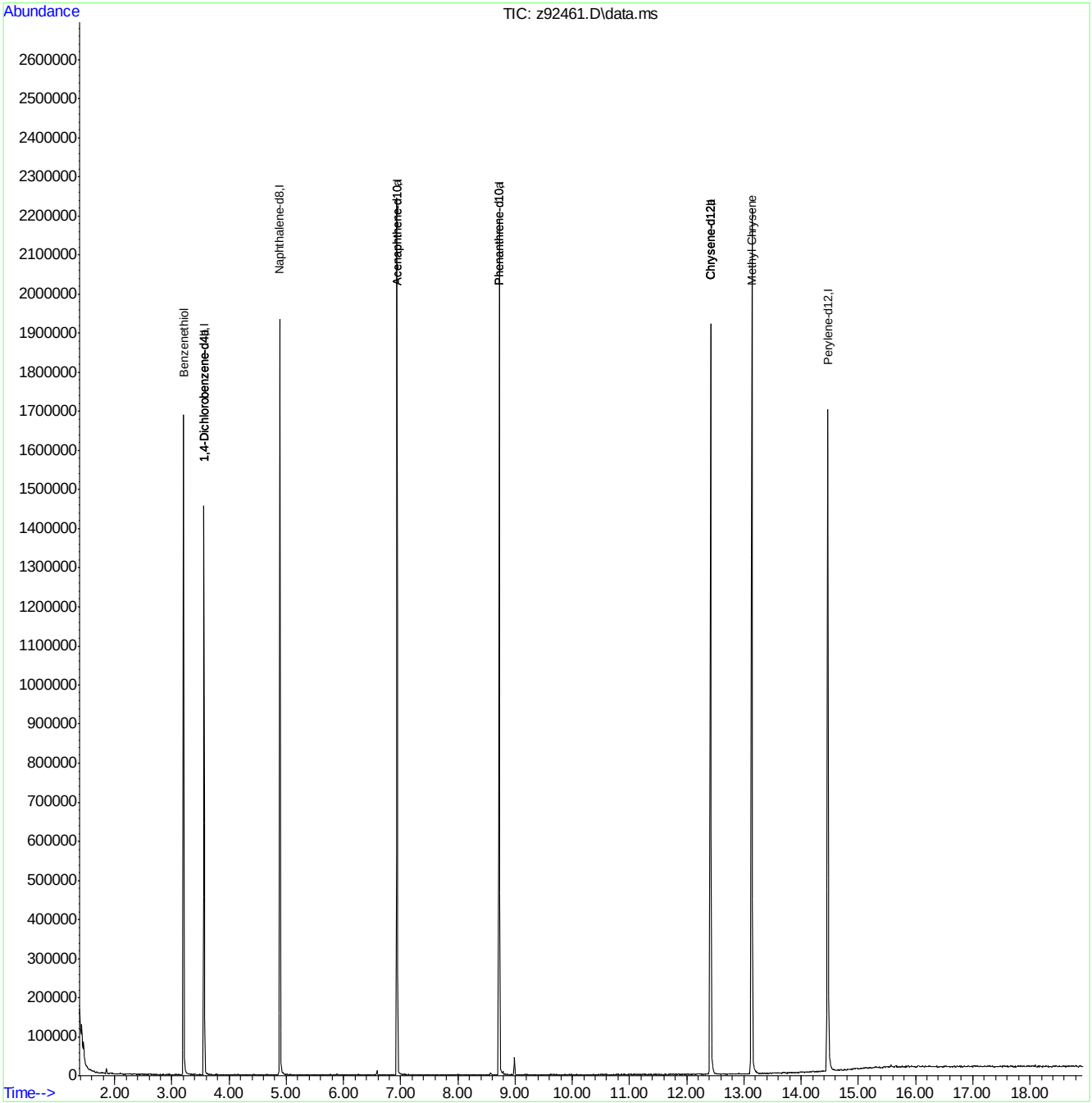
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	204397	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	823730	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	460959	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	782709	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	812139	40.00	ppb	0.00
92) Perylene-d12	14.465	264	754732	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	204397	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	782709	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	812139	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	460959	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	204397	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	812139	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) Benzenethiol	3.203	110	457288	49.13	ppb	99
115) Methyl Chrysene	13.140	242	807606	51.97	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92461.D
Acq On : 12 Jun 2014 6:04 pm
Operator : olgaa
Sample : icc4596-50
Misc : op73791,ez4596,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 19:41:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:41:35 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92462.D
Acq On : 12 Jun 2014 6:30 pm
Operator : olgaa
Sample : ic4596-25
Misc : op73791,ez4596,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 19:42:31 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:10 2014
Response via : Initial Calibration

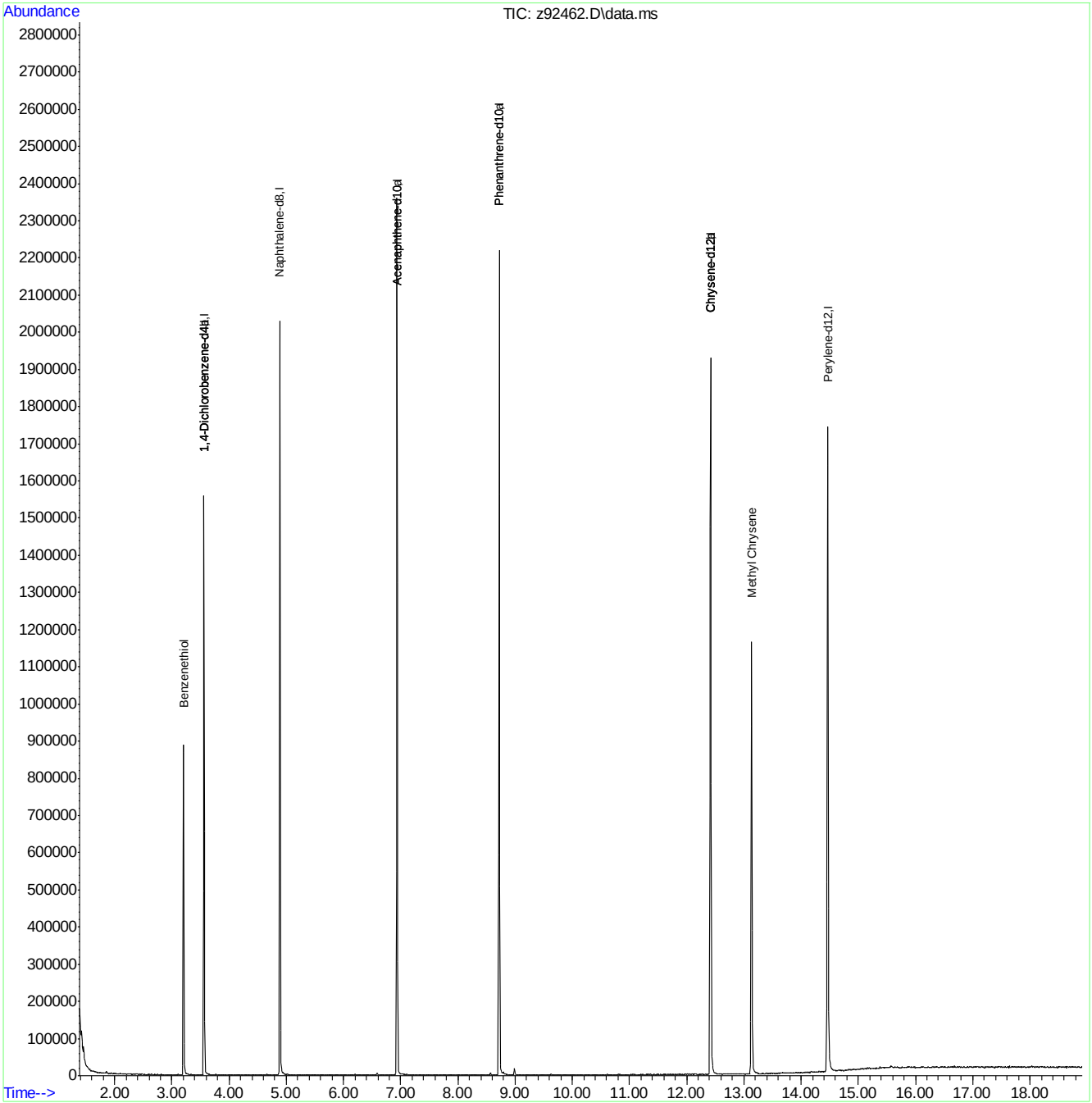
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	216272	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	874626	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	476057	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	804187	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	827638	40.00	ppb	0.00
92) Perylene-d12	14.465	264	764810	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	216272	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	804187	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	827638	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	476057	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	216272	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	827638	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) Benzenethiol	3.203	110	234943	23.99	ppb	98
115) Methyl Chrysene	13.135	242	400955	25.23	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92462.D
Acq On : 12 Jun 2014 6:30 pm
Operator : olgaa
Sample : ic4596-25
Misc : op73791,ez4596,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 19:42:31 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:10 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92463.D
Acq On : 12 Jun 2014 6:56 pm
Operator : olgaa
Sample : ic4596-10
Misc : op73791,ez4596,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 19:45:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:49 2014
Response via : Initial Calibration

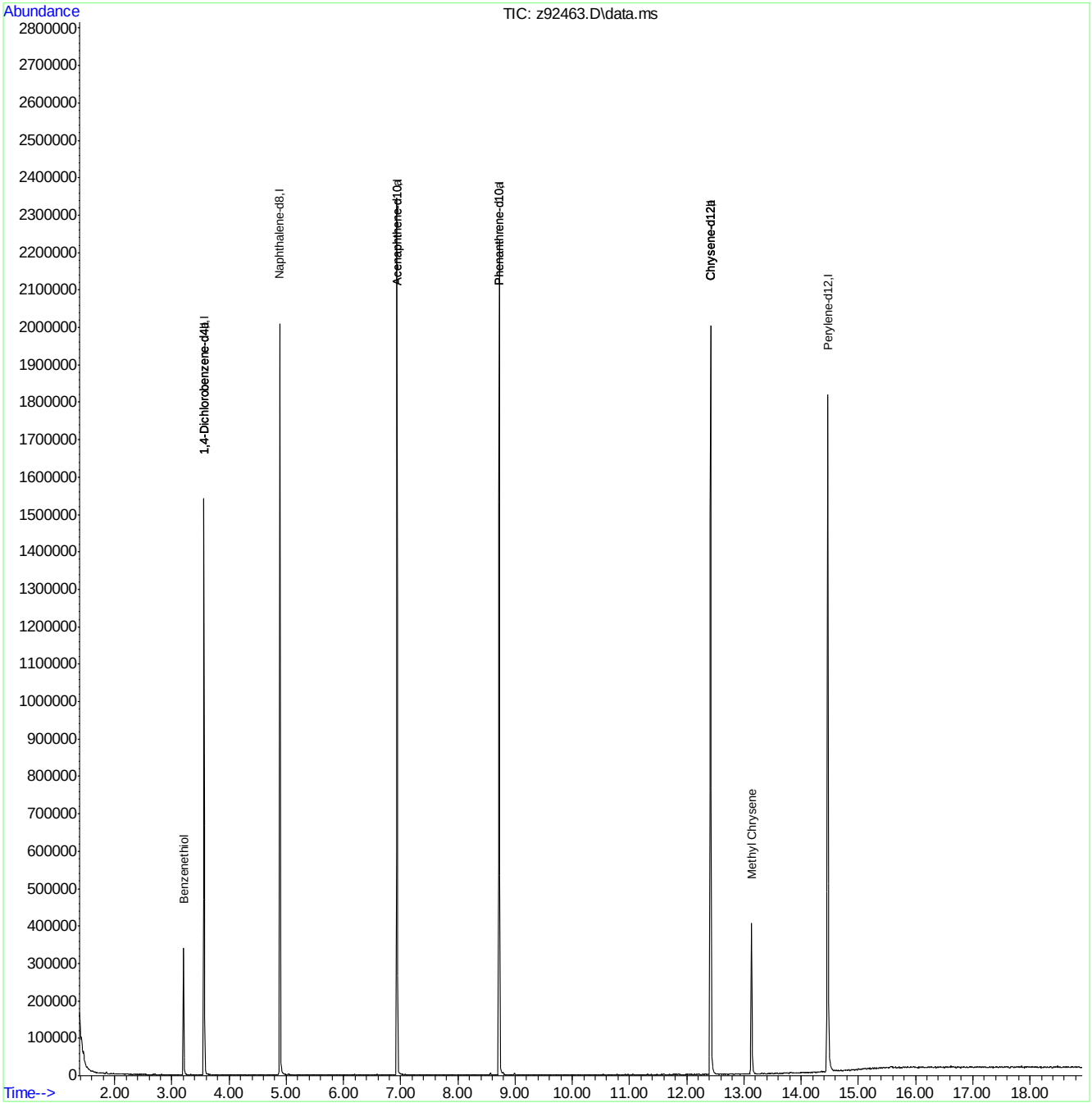
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	210322	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	859865	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	477742	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	800064	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	835770	40.00	ppb	0.00
92) Perylene-d12	14.465	264	777263	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	210322	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	800064	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	835770	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	477742	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	210322	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	835770	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) Benzenethiol	3.203	110	89043	9.45	ppb	96
115) Methyl Chrysene	13.135	242	152109	9.46	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92463.D
Acq On : 12 Jun 2014 6:56 pm
Operator : olgaa
Sample : ic4596-10
Misc : op73791,ez4596,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 19:45:00 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:42:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92464.D
Acq On : 12 Jun 2014 7:22 pm
Operator : olgaa
Sample : ic4596-5
Misc : op73791,ez4596,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 19:43:18 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:43:02 2014
Response via : Initial Calibration

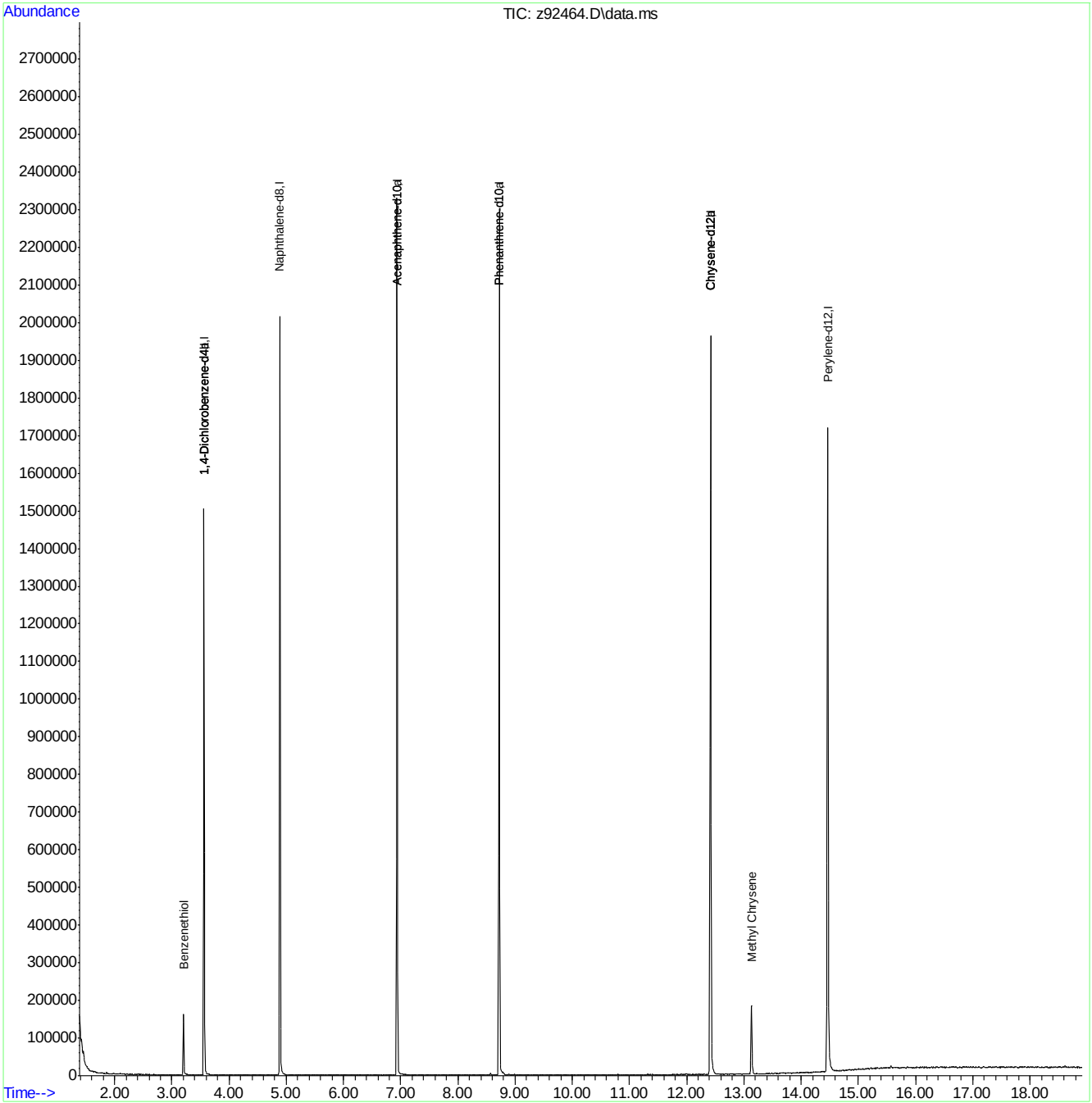
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	213207	40.00	ppb	0.00
24) Naphthalene-d8	4.886	136	868352	40.00	ppb	0.00
47) Acenaphthene-d10	6.938	164	471360	40.00	ppb	0.00
69) Phenanthrene-d10	8.722	188	810063	40.00	ppb	0.00
83) Chrysene-d12	12.419	240	836422	40.00	ppb	0.00
92) Perylene-d12	14.465	264	772522	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.561	152	213207	40.00	ppb	0.00
104) Phenanthrene-d10a	8.722	188	810063	40.00	ppb	0.00
107) Chrysene-d12a	12.419	240	836422	40.00	ppb	0.00
110) Acenaphthene-d10a	6.938	164	471360	40.00	ppb	0.00
112) 1,4-Dichlorobenzene-d4b	3.561	152	213207	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	836422	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) Benzenethiol	3.203	110	43110	4.56	ppb	98
115) Methyl Chrysene	13.135	242	70463	4.42	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92464.D
Acq On : 12 Jun 2014 7:22 pm
Operator : olgaa
Sample : ic4596-5
Misc : op73791,ez4596,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 19:43:18 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 19:43:02 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92465.D
Acq On : 12 Jun 2014 7:47 pm
Operator : olgaa
Sample : ic4596-2
Misc : op73791,ez4596,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 22:15:27 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

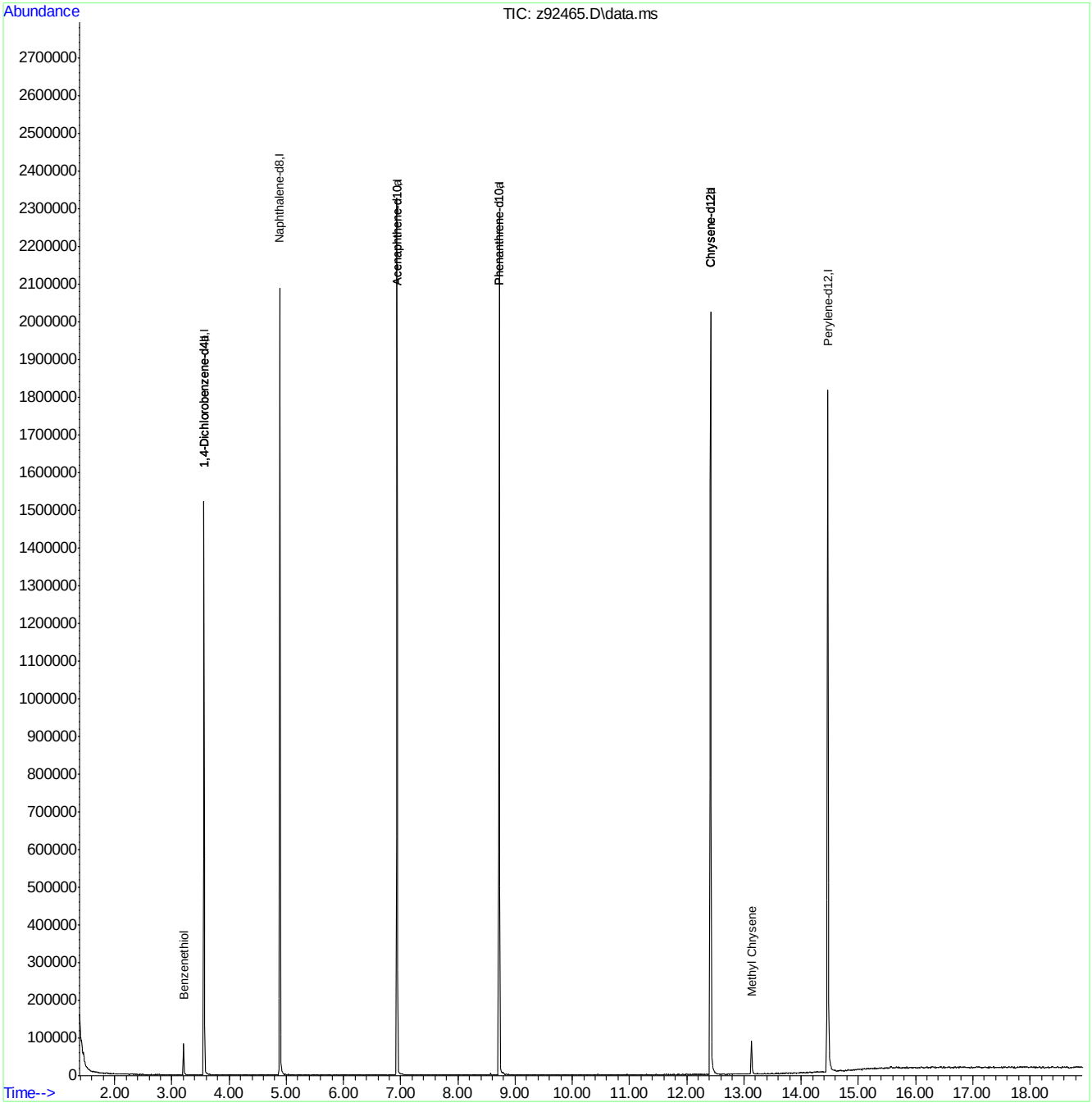
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	218623	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	881837	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	478985	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	816001	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	838443	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	782298	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	218623	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	816001	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	838443	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	478985	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	218623	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	838443	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) Benzenethiol	3.203	110	21858	2.22	ppb	91
115) Methyl Chrysene	13.135	242	36022	2.27	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92465.D
Acq On : 12 Jun 2014 7:47 pm
Operator : olgaa
Sample : ic4596-2
Misc : op73791,ez4596,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 22:15:27 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92466.D
Acq On : 12 Jun 2014 8:13 pm
Operator : olgaa
Sample : ic4596-1
Misc : op73791,ez4596,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 12 22:15:51 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.561	152	212591	40.00	ppb	-0.01
24) Naphthalene-d8	4.886	136	861045	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	463709	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	796273	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	821656	40.00	ppb	-0.02
92) Perylene-d12	14.465	264	756643	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.561	152	212591	40.00	ppb	-0.01
104) Phenanthrene-d10a	8.722	188	796273	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	821656	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	463709	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.561	152	212591	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	821656	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) Benzenethiol	3.203	110	7723	0.81	ppb	88
115) Methyl Chrysene	13.135	242	11510	0.74	ppb	94

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

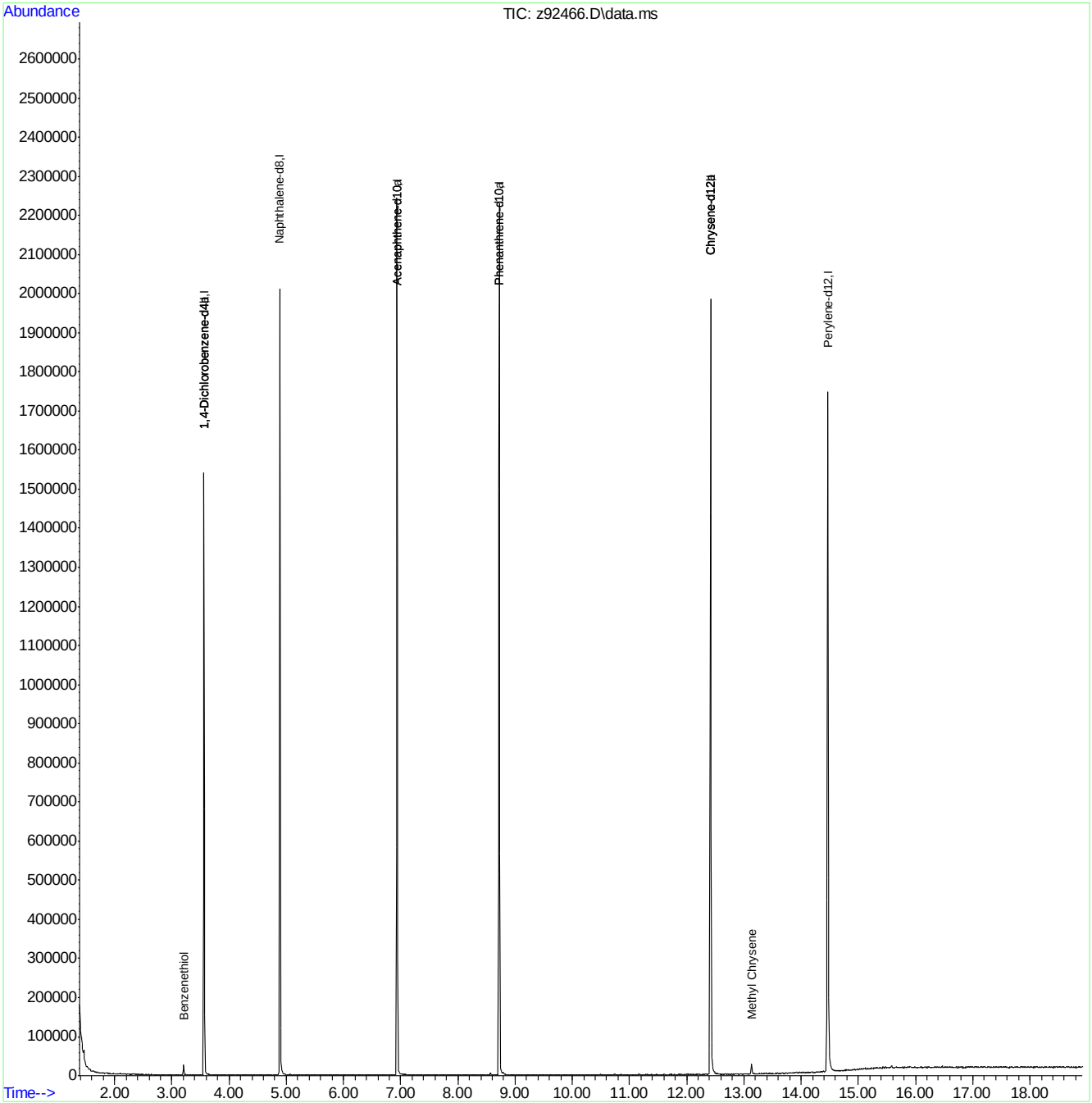
9.6.68

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92466.D
Acq On : 12 Jun 2014 8:13 pm
Operator : olgaa
Sample : ic4596-1
Misc : op73791,ez4596,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 12 22:15:51 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 17:42:08 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92467.D
Acq On : 12 Jun 2014 8:39 pm
Operator : olgaa
Sample : icv4596-50
Misc : op73791,ez4596,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 22:22:48 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

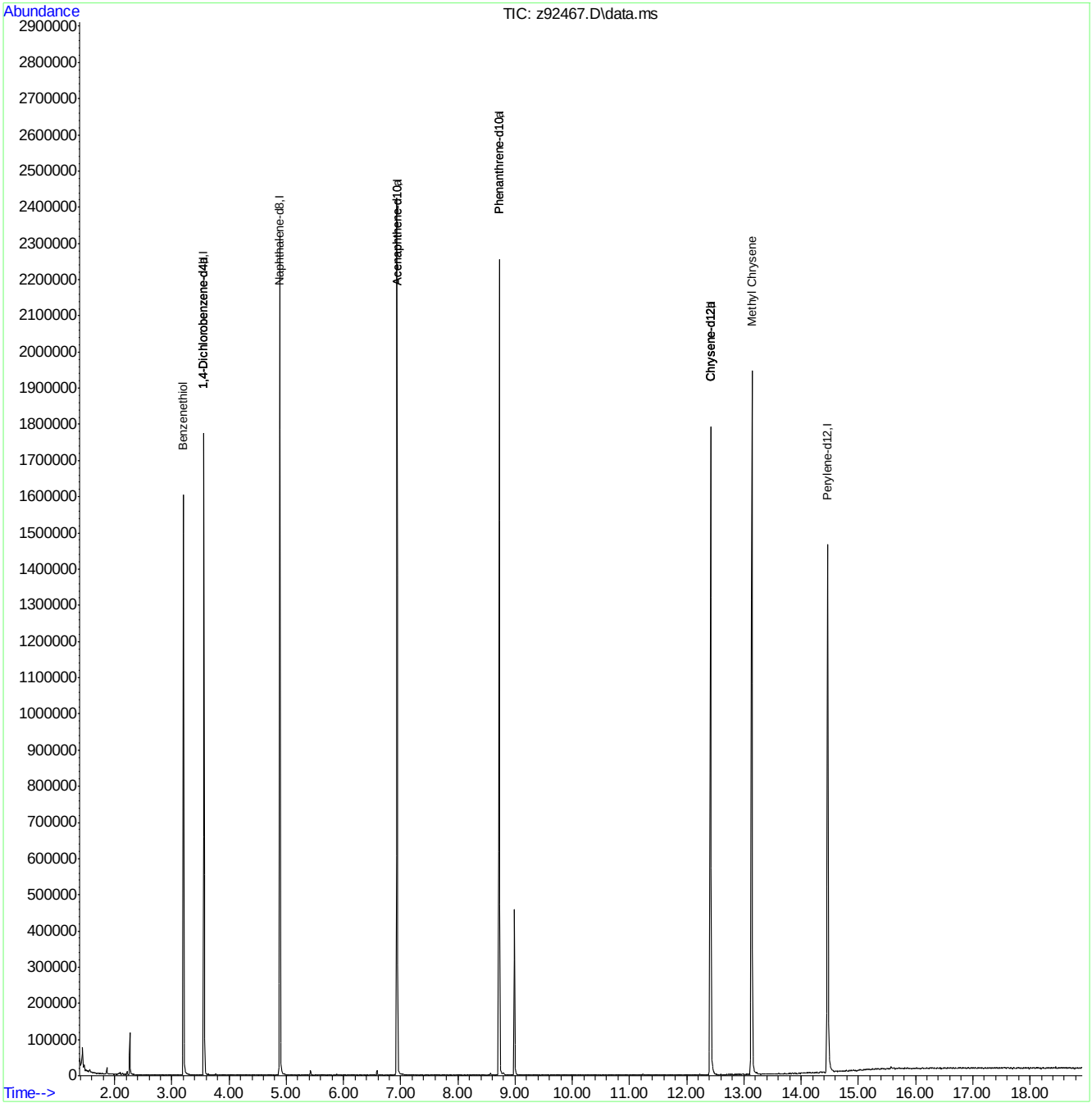
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.556	152	236976	40.00	ppb	-0.02
24) Naphthalene-d8	4.886	136	942785	40.00	ppb	-0.02
47) Acenaphthene-d10	6.938	164	497609	40.00	ppb	-0.02
69) Phenanthrene-d10	8.722	188	810290	40.00	ppb	-0.02
83) Chrysene-d12	12.419	240	760095	40.00	ppb	-0.02
92) Perylene-d12	14.459	264	652929	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	3.556	152	236976	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.722	188	810290	40.00	ppb	-0.02
107) Chrysene-d12a	12.419	240	760095	40.00	ppb	-0.02
110) Acenaphthene-d10a	6.938	164	497609	40.00	ppb	-0.02
112) 1,4-Dichlorobenzene-d4b	3.556	152	236976	40.00	ppb	0.00
114) Chrysene-d12b	12.419	240	760095	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) Benzenethiol	3.198	110	399562	38.72	ppb	96
115) Methyl Chrysene	13.140	242	731462	51.14	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4596\
Data File : z92467.D
Acq On : 12 Jun 2014 8:39 pm
Operator : olgaa
Sample : icv4596-50
Misc : op73791,ez4596,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 22:22:48 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
06/16/14 11:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92498.D
Acq On : 13 Jun 2014 12:34 pm
Operator : olgaa
Sample : cc4569-25
Misc : op75490,ez4598,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 17:02:17 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 Jun 13 13:18:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.545	152	324531	40.00	ppb		-0.02
24) Naphthalene-d8	4.876	136	1293513	40.00	ppb		-0.02
47) Acenaphthene-d10	6.922	164	727947	40.00	ppb		-0.02
69) Phenanthrene-d10	8.706	188	1232793	40.00	ppb		-0.02
83) Chrysene-d12	12.408	240	1275627	40.00	ppb		-0.03
92) Perylene-d12	14.449	264	1171603	40.00	ppb		-0.03
102) 1,4-Dichlorobenzene-d4a	3.545	152	324531	40.00	ppb		-0.02
104) Phenanthrene-d10a	8.706	188	1232793	40.00	ppb		-0.02
106) Chrysene-d12a	12.408	240	1275627	40.00	ppb		-0.03
108) Acenaphthene-d10a	6.922	164	727947	40.00	ppb		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	2.477	112	273582	24.67	ppb		-0.02
Spiked Amount 50.000			Recovery =	49.34%			
8) Phenol-d5	3.230	99	352284	25.22	ppb		-0.02
Spiked Amount 50.000			Recovery =	50.44%			
25) Nitrobenzene-d5	4.101	82	316355	27.75	ppb		-0.02
Spiked Amount 50.000			Recovery =	55.50%			
51) 2-Fluorobiphenyl	6.136	172	575093	24.92	ppb		-0.02
Spiked Amount 50.000			Recovery =	49.84%			
73) 2,4,6-Tribromophenol	7.873	330	92193	30.60	ppb		-0.03
Spiked Amount 50.000			Recovery =	61.20%			
86) Terphenyl-d14	10.886	244	676491	26.37	ppb		-0.02
Spiked Amount 50.000			Recovery =	52.74%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.569	88	113836	20.49	ppb		94
3) Pyridine	1.724	79	300007	20.84	ppb		90
4) N-Nitrosodimethylamine	1.697	74	176124	22.63	ppb		67
6) Indene	3.797	116	510466	23.23	ppb		98
7) Cumene	2.846	105	727028	23.39	ppb		97
9) Phenol	3.241	94	398968	25.45	ppb	#	42
10) Aniline	3.246	93	373390	21.92	ppb	#	49
11) bis(2-Chloroethyl)ether	3.289	93	264166	24.04	ppb		96
12) 2-Chlorophenol	3.358	128	311517	24.93	ppb		96
13) Decane	3.385	43	344549	23.18	ppb		92
14) 1,3-Dichlorobenzene	3.492	146	336626	25.01	ppb		98
15) 1,4-Dichlorobenzene	3.561	146	340551	24.70	ppb		100
16) Benzyl alcohol	3.684	108	195949	26.03	ppb		86
17) 1,2-Dichlorobenzene	3.711	146	317696	24.59	ppb		99
18) Acetophenone	3.941	105	424427	23.62	ppb		92
19) 2-Methylphenol	3.813	108	262057	24.90	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.807	121	90989	25.07	ppb	#	87
21) 3&4-Methylphenol	3.973	108	289963	25.67	ppb		98
22) n-Nitroso-di-n-propyla...	3.946	70	209947	26.51	ppb		93
23) Hexachloroethane	4.048	201	114251	26.81	ppb		93
26) Nitrobenzene	4.122	77	341493	27.10	ppb		93
27) Quinoline	5.276	129	599688	23.14	ppb		97
28) Isophorone	4.368	82	559027	26.86	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92498.D
Acq On : 13 Jun 2014 12:34 pm
Operator : olgaa
Sample : cc4569-25
Misc : op75490,ez4598,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 17:02:17 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 Jun 13 13:18:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.459	139	168997	28.64	ppb		88
30) 2,4-Dimethylphenol	4.534	107	271969	27.64	ppb		93
31) Benzoic Acid	4.673	105	146633m	26.63	ppb		
32) bis(2-Chloroethoxy)met...	4.619	93	310420	24.53	ppb		99
33) 2,4-Dichlorophenol	4.742	162	240111	26.61	ppb		99
34) 2,6-Dichlorophenol	4.988	162	235891	26.66	ppb		98
35) 1,3,5-Trichlorobenzene	4.470	180	286617	22.78	ppb		95
36) 1,2,4-Trichlorobenzene	4.812	180	274750	25.57	ppb		98
37) 1,2,3-Trichlorobenzene	5.063	180	278182	23.38	ppb		98
38) Naphthalene	4.897	128	871554	24.16	ppb		100
39) 4-Chloroaniline	4.977	127	362293	25.46	ppb		94
40) 2,3-Dichloroaniline	6.040	161	297705	24.10	ppb		99
41) Caprolactam	5.378	55	149605	24.89	ppb		95
42) Hexachlorobutadiene	5.052	225	161215	27.76	ppb		98
43) 4-Chloro-3-methylphenol	5.586	107	272253	28.40	ppb	#	74
44) 2-Methylnaphthalene	5.693	141	499022	25.46	ppb		95
45) 1-Methylnaphthalene	5.805	141	497626	23.05	ppb		96
46) Dimethylnaphthalene	6.430	156	526209	24.05	ppb		95
48) Hexachlorocyclopentadiene	5.885	237	270070	46.93	ppb		100
49) 2,4,6-Trichlorophenol	6.051	196	173537	27.47	ppb		99
50) 2,4,5-Trichlorophenol	6.104	196	180714	26.97	ppb		99
52) 2-Chloronaphthalene	6.265	162	545455	25.19	ppb		98
53) Biphenyl	6.249	154	708075	23.00	ppb		100
54) 2-Nitroaniline	6.414	65	196582	33.10	ppb		93
55) Dimethylphthalate	6.639	163	599221	25.91	ppb		100
56) Acenaphthylene	6.751	152	885698	26.03	ppb		100
57) 2,6-Dinitrotoluene	6.703	165	139334	29.40	ppb		89
58) 3-Nitroaniline	6.906	138	165398	27.62	ppb		87
59) Acenaphthene	6.959	153	535446	24.88	ppb		98
60) 2,4-Dinitrophenol	7.034	184	107334	40.61	ppb		78
61) 4-Nitrophenol	7.189	109	94960	35.04	ppb	#	76
62) Dibenzofuran	7.167	168	760216	25.46	ppb		89
63) 2,4-Dinitrotoluene	7.184	165	197116	30.47	ppb		61
64) 2,3,4,6-Tetrachlorophenol	7.344	232	150443	27.73	ppb		98
65) Diethylphthalate	7.488	149	627398	27.87	ppb		98
66) Fluorene	7.579	166	610652	26.15	ppb		98
67) 4-Chlorophenyl-phenyle...	7.595	204	282419	25.84	ppb		91
68) 4-Nitroaniline	7.648	138	165639	27.59	ppb		83
70) 4,6-Dinitro-2-methylph...	7.675	198	93713	23.68	ppb		91
71) n-Nitrosodiphenylamine	7.750	169	409970	26.25	ppb		100
72) 1,2-Diphenylhydrazine	7.782	77	680623	28.02	ppb		90
74) 4-Bromophenyl-phenylether	8.177	248	168420	26.61	ppb		88
75) Hexachlorobenzene	8.241	284	201724	26.71	ppb		91
76) Pentachlorophenol	8.508	266	197079	51.32	ppb		99
77) Phenanthrene	8.738	178	885292	24.69	ppb		99
78) Anthracene	8.797	178	900058	25.90	ppb		99
79) Carbazole	9.032	167	850594	23.63	ppb		99
80) Di-n-butylphthalate	9.523	149	1044871	29.55	ppb		99
81) Fluoranthene	10.303	202	944106	27.04	ppb		95
82) Octadecane	8.642	57	444486	26.26	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92498.D
Acq On : 13 Jun 2014 12:34 pm
Operator : olgaa
Sample : cc4569-25
Misc : op75490,ez4598,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 17:02:17 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 Jun 13 13:18:25 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.613	202	990740	25.47	ppb	97
85) Butyl stearate	11.794	56	313801	29.88	ppb	97
87) Butylbenzylphthalate	11.644	149	468070	29.84	ppb	95
88) Benzo[a]anthracene	12.387	228	917339	26.15	ppb	100
89) 3,3'-Dichlorobenzidine	12.398	252	337629	29.28	ppb	99
90) Chrysene	12.440	228	852213	24.47	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.552	149	629281	29.54	ppb	99
93) Di-n-octylphthalate	13.509	149	1082576	29.74	ppb	98
94) Benzo[b]fluoranthene	13.936	252	947707	27.14	ppb	98
95) Benzo[k]fluoranthene	13.974	252	892234	24.74	ppb	97
96) Benzo[a]pyrene	14.369	252	817806	26.37	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.838	276	849785	28.40	ppb	94
98) Dibenz(a,h)acridine	15.528	279	758013	26.02	ppb	100
99) Dibenz[a,h]anthracene	15.870	278	852648	27.02	ppb	97
100) 7,12-Dimethylbenz(a)an...	13.936	256	396494	29.16	ppb	99
101) Benzo[g,h,i]perylene	16.223	276	833135	26.73	ppb	92

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

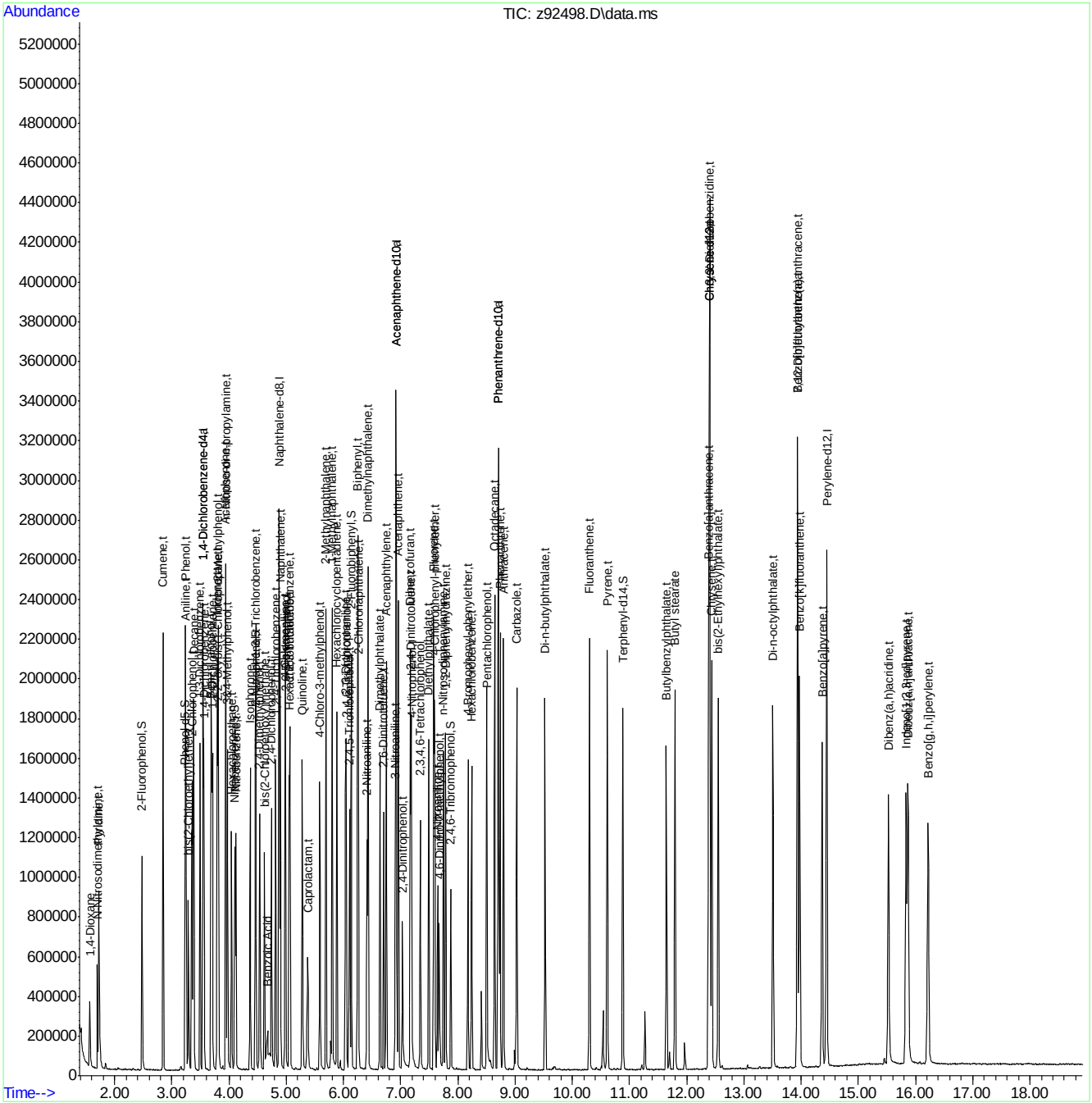
9.6.70

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92498.D
Acq On : 13 Jun 2014 12:34 pm
Operator : olgaa
Sample : cc4569-25
Misc : op75490,ez4598,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 17:02:17 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 Jun 13 13:18:25 2014
Response via : Initial Calibration



Manual Integration Approval Summary

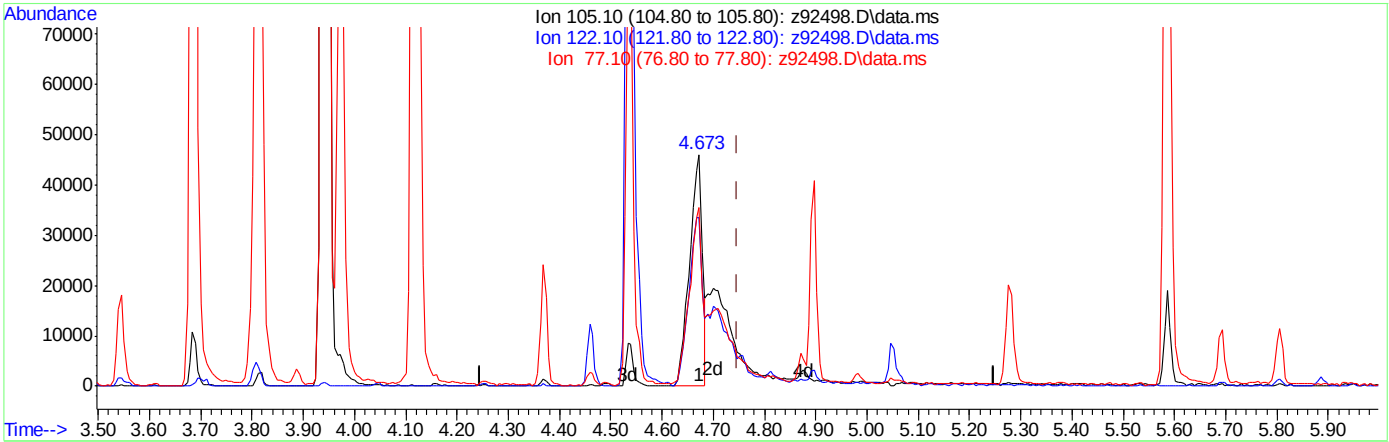
Sample Number:	EZ4598-CC4569	**Method:**	SW846 8270D
Lab FileID:	Z92498.D	**Analyst approved:**	06/13/14 17:08 Olga Azarihn
Injection Time:	06/13/14 12:34	**Supervisor approved:**	06/16/14 11:44 Cheng-Hwan Ao

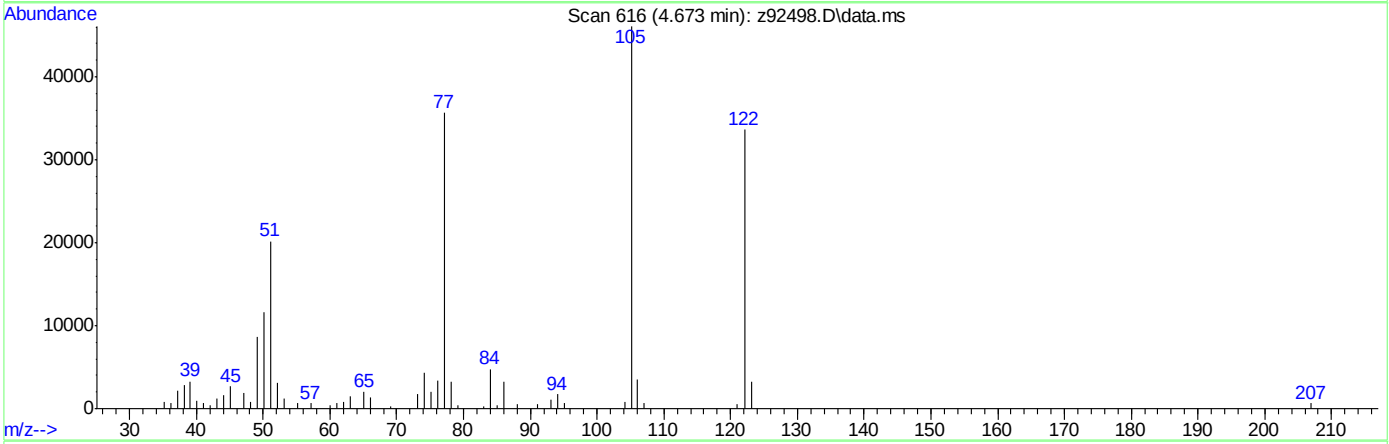
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.67	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92498.D
Acq On : 13 Jun 2014 12:34 pm
Operator : olgaa
Sample : cc4569-25
Misc : op75490,ez4598,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 17:01:47 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 Jun 13 13:18:25 2014
Response via : Initial Calibration





TIC: z92498.D\data.ms

(31) Benzoic Acid

4.673min (-0.075) 14.55ppb

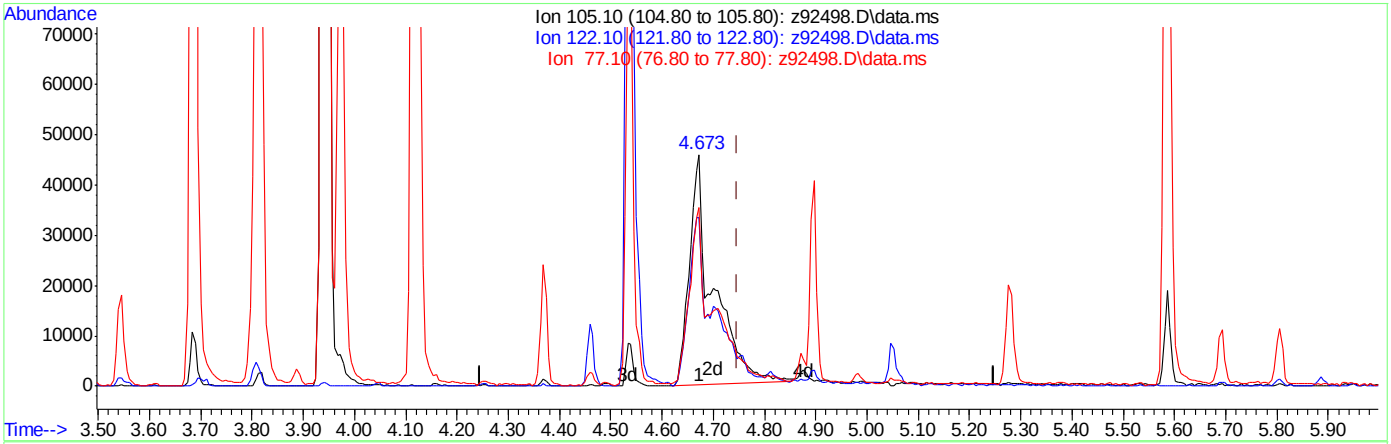
response 80117

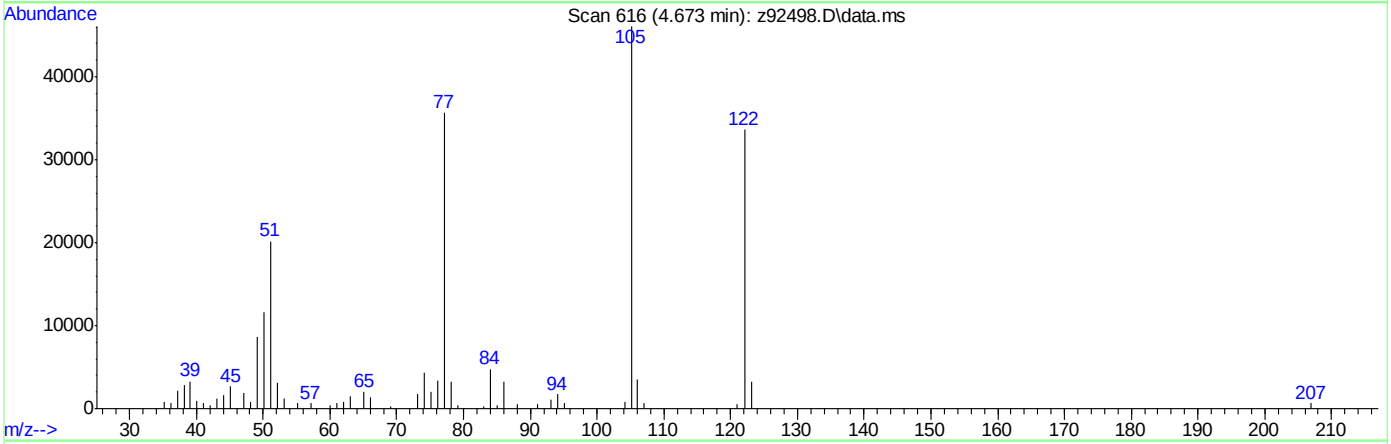
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	77.76#
77.10	33.90	75.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92498.D
Acq On : 13 Jun 2014 12:34 pm
Operator : olgaa
Sample : cc4569-25
Misc : op75490,ez4598,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 17:01:47 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 Jun 13 13:18:25 2014
Response via : Initial Calibration





TIC: z92498.D\data.ms

(31) Benzoic Acid

4.673min (-0.075) 26.63ppb m

response 146633

Ion	Exp%	Act%
105.10	100	100
122.10	106.20	42.48#
77.10	33.90	41.35
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92499.D
Acq On : 13 Jun 2014 1:25 pm
Operator : olgaa
Sample : cc4571-25
Misc : op75490,ez4598,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 16:49:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration

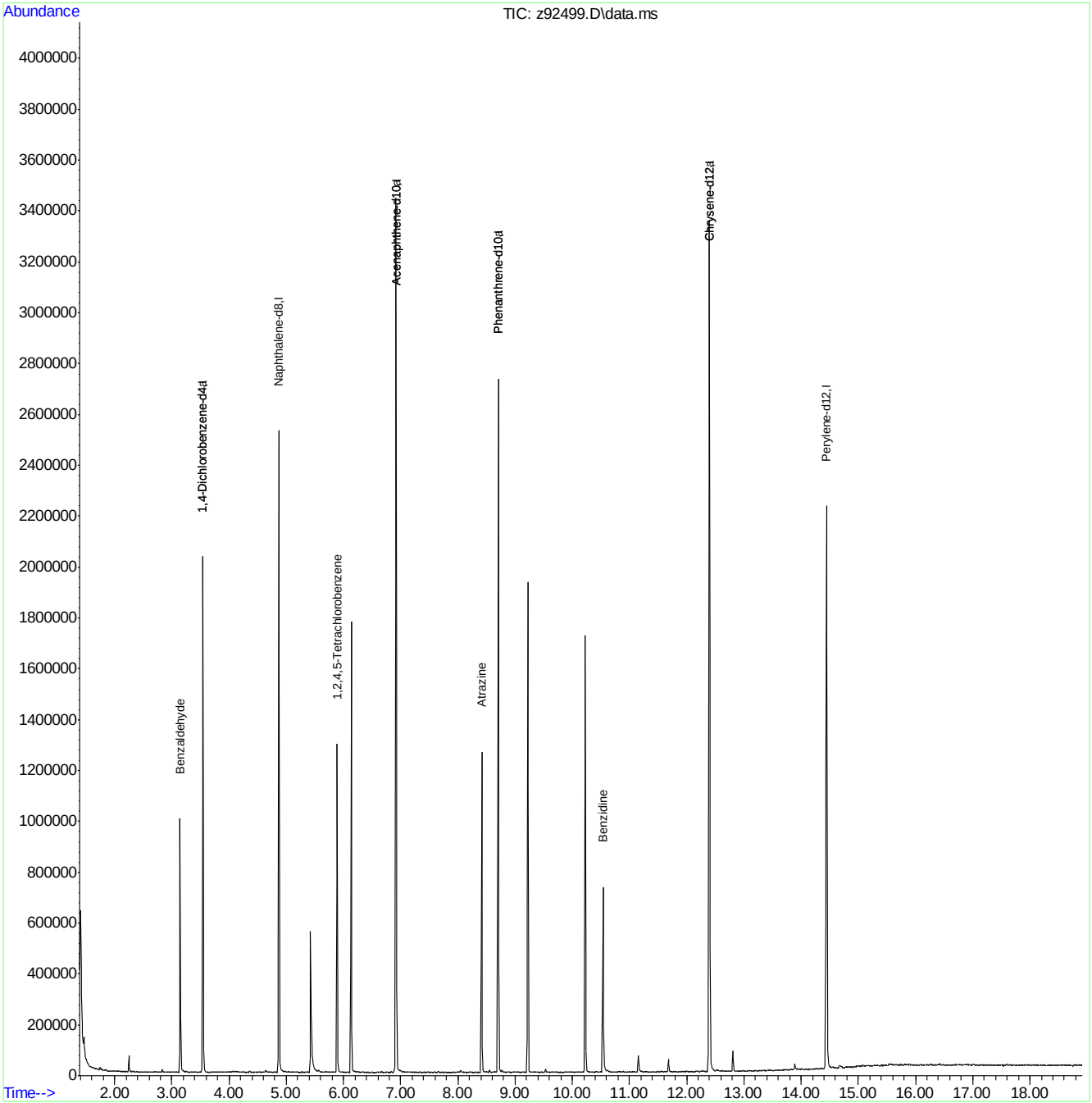
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.540	152	265784	40.00	ppb	-0.09
24) Naphthalene-d8	4.870	136	1026720	40.00	ppb	-0.09
47) Acenaphthene-d10	6.922	164	589375	40.00	ppb	-0.10
69) Phenanthrene-d10	8.706	188	1006840	40.00	ppb	-0.10
83) Chrysene-d12	12.403	240	1030496	40.00	ppb	-0.12
92) Perylene-d12	14.443	264	952970	40.00	ppb	-0.12
102) 1,4-Dichlorobenzene-d4a	3.540	152	265784	40.00	ppb	-0.09
104) Phenanthrene-d10a	8.706	188	1006840	40.00	ppb	-0.10
106) Chrysene-d12a	12.403	240	1030496	40.00	ppb	-0.12
108) Acenaphthene-d10a	6.922	164	589375	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	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	3.145	105	164430	26.35	ppb	85
105) Atrazine	8.417	215	68176	26.28	ppb #	80
107) Benzidine	10.538	184	343126	32.43	ppb	98
109) 1,2,4,5-Tetrachloroben...	5.891	216	197560	27.77	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92499.D
Acq On : 13 Jun 2014 1:25 pm
Operator : olgaa
Sample : cc4571-25
Misc : op75490,ez4598,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 16 16:49:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Jun 10 14:36:56 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92500.D
Acq On : 13 Jun 2014 1:54 pm
Operator : olgaa
Sample : cc4596-25
Misc : op75490,ez4598,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 16 16:49:46 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.540	152	235033	40.00	ppb	-0.03
24) Naphthalene-d8	4.870	136	936943	40.00	ppb	-0.03
47) Acenaphthene-d10	6.916	164	540156	40.00	ppb	-0.04
69) Phenanthrene-d10	8.706	188	919777	40.00	ppb	-0.04
83) Chrysene-d12	12.397	240	935976	40.00	ppb	-0.04
92) Perylene-d12	14.443	264	840272	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.540	152	235033	40.00	ppb	-0.03
104) Phenanthrene-d10a	8.706	188	919777	40.00	ppb	-0.04
106) Chrysene-d12a	12.397	240	935976	40.00	ppb	-0.04
108) Acenaphthene-d10a	6.916	164	540156	40.00	ppb	-0.04
110) 1,4-Dichlorobenzene-d4b	3.540	152	235033	40.00	ppb	-0.02
112) Chrysene-d12b	12.397	240	935976	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	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
111) Benzenethiol	3.182	110	251440	24.57	ppb	97
113) Methyl Chrysene	13.113	242	453977	25.78	ppb	99

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

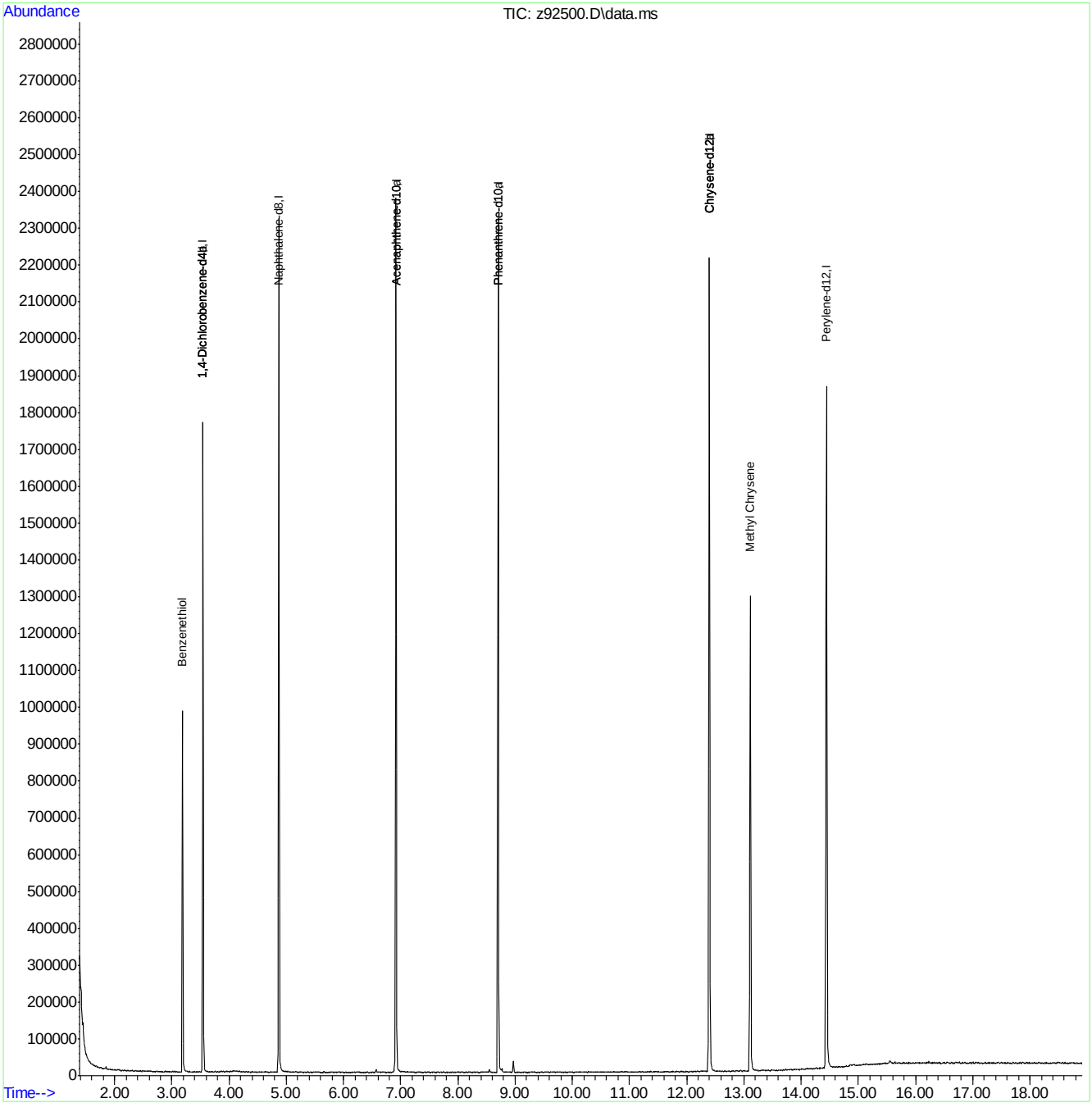
9.6.72

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4598\
Data File : z92500.D
Acq On : 13 Jun 2014 1:54 pm
Operator : olgaa
Sample : cc4596-25
Misc : op75490,ez4598,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 16 16:49:46 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569sknr.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Thu Jun 12 22:18:41 2014
Response via : Initial Calibration



ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2646

Date: 6-4-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.
SU149362	116 BUA	50
	↓ ↓	25
		10
CK2933	IS	40
DK5A	Surr	—

Standard Data

Lot #	Description	Conc.
SU149362	119 DFTPP	50
—	116 BUA	100
		80
		40
		20
		10

Columns: RTX-5MS 30m x0.25m

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comp with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61393	DFTPP			W	1					OK	5:31 pm
	61394	IC2646-100		BUA		2					OK	
	61395	IC2646-80				3					OK	
	61396	IC2646-50				4					OK	
	61397	IC2646-25				5					OK	
	61398	IC2646-10				6					OK	
	61399	IC2646-5				7					OK	
	61400	IC2646-2				8					OK	
	61401	IC2646-1				9					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.

93

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.1

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2647

Date: 6-4-14

Analyst Signature: QA

Standard Data

Lot #	Description	Conc.
SV141362	136 ABN TC42	50/5
	↓ ↓	20/5
		10/5
CN2933	IS	40/5
SHL847	Surr Mix	—

Standard Data

Lot #	Description	Conc.
SV141362	119 DFTPP	50/5
	136 ABN TC42	100/5
		80/5
		50/5
		20/5
		10/5

Columns: RTX-5ms 30m x 0.25mm ID

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: A

Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61402	DFTPP			W	1					OK	9:24 PM
	61403	IC2647-100		TC42		10					OK	
	61404	IC2647-80				11					OK	
	61405	IC2647-50				12					OK	
	61406	IC2647-25				13					OK	
	61407	IC2647-10				14					OK	
	61408	IC2647-5				15					OK	
	61409	IC2647-2				16					OK	
	61410	IC2647-1				17					OK	
	61411	ICV2646-50		acids		18					RR	#31,60↓ OP141177-88
	61412	ICV2646-50		BN1		19					OK	-17
	61413	ICV2646-50		BN2		20					RR	#40,41↓ -57
	61414	ICV2646-50		ABN Surr		21					OK	-33
	61415	ICV2646-50		anilines		22					OK	-61
	61416	ICV2646-50		benzdn		23					OK	SV141362-72B
	61417	ICV2647-50		HQ		24					OK	OP141130-191

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

95

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.2 9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2648

Date: 6-5-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc:

Standard Data

Lot #	Description	Conc.
SU14362-119	DFTPP	SDG
CLC2933	IS	40ng/µl
CLC947	Calib Mix	—

Columns: RTX-5MS 30m x 0.25mm x 0.25µm

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS

Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	E61418	DFTPP			W	1					VG	pcp↑, reinstall
	61419	DFTPP				1					failed	68↑, reinject
	61420	DFTPP				1					OK	12:24 pm
	61421	ICV2646-50		acids		2					OK	OP14177-88
	61422	ICV2646-50		BN2		3					OK	-63

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

97

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.3

9

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2653

Date: 6-9-14

Analyst Signature: OA

Columns: RTX-5MS 30m×0.25mm×0.

Method 8270/625

Initial Cal. Method M3E2646

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-119	BNAP	50
-110	BNA	50
SV141447-5	TCL 42	50
DLM937	IS	40000
DLM947	Surr Acid	—

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: 6/11/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61843	DFTPP			W	1					OK	9:06 acq
	44	CC2646-50		BNA		2					OK	
	45	CC2647-50		TCL42		3					OK	benzdn ↓
	46	~~OP75278-MB1 75279-1 ALS PLP~~ benzdn ver - 1 ppm OA 6/9/14				4					acq	~~benzdn ↓ OA 6/9/14~~ SV141362-134B
	47	OP75278-MB1	75279-1	ALS PLP		5		+	/		OK	
	48	acid - OP141177-87				6			-		NG	big ion, reacq after 3E 61846
	49	acid - OP141177-87				7			-		OK	
	50	OP75403-MB1	75403-1	ALS 625		8			/	/	acq	
	51	JB68620-1Q		ALS PTCL		9			/	/	acq	
	52	OP75285-MB1	75285-1	ALS	S	10		+	/	/	OK	
	53	-BS1				11			/	/	acq	
	54	JB68027-1A	75279-1	ALS PLP/JTCL	W	12		+	/	/	OK	1:40
	55	-4A				13		+	/	/	OK	1:10
	56	-5A				14		+	/	/	OK	
	57	-8A				15		+	/	/	OK	1:20
	58	-9A				16		+	/	/	OK	
	59	-3A				A			/	/	OK	1:40

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.4

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2653

Date: 6-9-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	same as page #115	

Columns: MTX-5MS 30 m x0.5mm x0.25

Method 8270/625

Initial Cal. Method E3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6-11-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
R	3E61860	JB68375-6	75394-1	ABN020+	S	18	4		✓	✓	OK	
	61	OP75387-MS	75387-1	ABN	W	19			✓	✓	ok	
	62	-MSD				20			✓	✓	OK	
	63	JB68342-6		map+2map+		21			✓	✓	OK	
	64	OP75285-MS	75285-1	ABN	S	22			✓	✓	OK	
	65	-MSD				23			✓	✓	OK	
	66	JB68173-1		ABN020		24			✓	✓	OK	
	67	-2				25			✓	✓	OK	
	68	-3				26			✓	✓	OK	8:49 pm

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.4 9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2658

Date: 6/12/14

Analyst Signature: [signature]

Columns: RTX5MS 30m x 0.25mm x 0.25µm

Method 8270/625

Initial Cal. Method M3E2646

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621H	DFTPP	50ppm
SV1413671OB	BNA	75ppm
SV1413621B2D	TCL42	25ppm
CC2633	Internal Std	40ug/ml
DC547	Surrogate	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/13/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61977	DFTPP			W	1					ok	10:16 am
	61978	CC2646-25		BNA	W	2					ok	
	61979	CC2647-25		TCL42	W	3					ok	
	61980	Acid Spike		OP14-1177-112	W	4			✓		pa	bias ↑
	61981	OP75518-MB1	75518		S	5			✓	✓	ok	
	61982	OP75518-BS1	75518		S	6			✓	✓	ok	
	61983	OP75207-MB1	75207		W	7			✓	✓	ok	
	61984	JB67921-41	75207	BSWSL	W	8	10		✓	✓	ok	
	61985	JB67921-47	↓		W	9	100		✓	✓	ok	
	61986	JB67921-57			W	10	20		✓	1x	ok	
	61987	JB67921-58	↓		W	11	20		✓	1x	ok	
	61988	JB68892-25	75525	ABTCL20+	S	12	4		✓	1x	ok	
	61989	JB68910-1	75518	Palo	S	13			✓	✓	ok	
	61990	JB68910-2	75518	↓	S	14			✓	✓	ok	
	61991	JB68910-3	75518		S	15			✓	✓	ok	
	61992	JB68916-4	75518		S	16			✓	✓	ok	M=Sml
	61993	JB68173-9	75285	ABS270 TCL20+	S	17			✓	✓	RR	for C/O

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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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2658

Date: 06/12/14

Analyst Signature: HK

Columns: RTX5MS 30m x 250um x 0.25um

Method 8270/625

Initial Cal. Method M3E2646

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Dec Page 135	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: DA Date: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E61994	JB68173-10	75285	ABS270 TCL20	S	18			✓	✓	RA	for c/o
	61995	JB68173-11	75285		S	19			✓	✓	OK	
	61996	JB68173-12			S	20			✓	✓	OK	
	61997	JB68173-13			S	21			↓	✓	OK	RA 1:4
	61998	JB68173-14			S	22			✓	✓	OK	
	61999	OP75578-MS	75578		S	23			✓	✓	OK	
	62000	OP75578-MSD			S	24			✓	✓	OK	
	62001	JB68819-62A	75578	ABSV120	S	25		+	✓	✓	OK	9:11 pm

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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9.7.5

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2660

Date: 6-13-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141419-4	6UA	25/40
SV141362-119	DFTPP	50/40
CC2933	IS	400/4
DK597	10cm MW	—

Columns: MTX-5MS 30m X0.25m X0.25

Method 8270/625

Initial Cal. Method CC3E2646

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/14/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E62031	DFTPP			W	1					OK	11:54 am
	62032	CC2646-2S				2					not integ	bias T
	62033	CC2646-2S				2					OK	#81,84 T SV141362-110
R	62034	JB68173-13	75285-1	ABSTRD	S	3	4		✓		OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.6

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-1kg	(4ml)

Columns: RTX 5ms 30m .25mm .25u

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 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 115
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.

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

9.7.7

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4571

Date: 5-27-14

Analyst Signature: AR

Columns: Rtx+MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MS4569

Injection Volume: 1.0 uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-118	DFTPP	50ppm

AR 5/28/14

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [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

9.7.8

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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

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4582

Date: 6/4/14 (AR 6/4/14)

Analyst Signature: AR

Columns: RTX5MS, 30m x 25mm x 25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1.0uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV14136114	DFTPP	50ppm
136	BNA	↓
137a	TCL42	↓
CK2433	IS	40ug/mL
DK4577	OCM/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: QA Date: 6-5-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	z92109	DFTPP				1					OK	9:02am
	110	cc4569-50		BNA		2					OK	61.73↑
	111	cc4571-50		TCL42		3					OK	Atrazine ↑
	112	op75280-mb1	75280	8270ABN	S	4					OK	Not using
	113	-bs1				5		AR 6/4/14			RX	Contaminated
	114	jb67969-1				6					Rx	bs. contam.
	115	jb68141-1ab	75273	ABTCLP	W	7					OK	jb68141-1ab.
	116	jb68141-2ab				8					OK	
	117	op75302-mb1	75302	ABN8270	W	9					OK	Ran after ZR113
	118	-bs1				10					OK	↓
	119	jb68093-3		ABPPL+		11					OK	
	120	jb68027-3	75274	ABTCLP	W	12	10				OK	
	121	-5				13	2				OK	
	122	jb68027-1				14					OK	
	123	-8				15					OK	
	124	-9				16					OK	
	125	jb67999-7a	75280	ABTCL20+	S	17					NOT RUN	Rx batch BS fail

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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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

orm: OR015-05
ev. Date: 1/16/2006

9.7.10

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4582

Date: 6/4/14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See pg: 1&2	

Columns: RTX5MS 30m x 25mm x .25um

Method 8270/625

Initial Cal. Method MZ4569

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: 6-5-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	Z92126	,b67976-3	75280	ABTCL20	S	18					NOTRUN	RX Batch BS fail
	127	,b67991-14		ABTCL42		19						
	128	,b67991-15				20						
	129	6/4/14 -16				21						
	130	OP75280-MS				22						
	131	-MSD				23						
	132	,b67991-18				24						
	133	-19				25						
	134	-20				26						
	135	,b68027-2Rx		ABTCL11+		27						vf=5
	Z92124a	,b67912-15a	75302	ABPPL+	W	17		+	-	-	OK	
	125	,b67931-2				18		+	-	-	OK	
	126	-3				19		+	-	-	OK	
	127	-4				20		+	-	-	OK	
	128	,b68170-5		ABTCL11+		21		+	-	-	OK	
	129	OP75302-MS		ABN8270		22			/	-	OK	
	130	-MSD				23			/	-	OK	

1TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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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

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9.7.10

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4582

Date: 6/4/14

Analyst Signature: AR

Columns: RTX5MS 30m x 2.5mm x 25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1.0uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see pg 127	

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: 6-5-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	EZ2131	j68170-6	75302	ABTCL11+	W	24		+	/	-	OK	
	132	j68124-1				25		+	/	-	OK	
	133	68154-1		BIMDIOxank		26			/	-	OK	
	134	j68173-15		ABTCL20		27			/	-	OK	8:05 pm

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.

131

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: EZ4593

Date: 6/11/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362149	DFTPP	50ppm
SV141362138	BNA	25ppm
SV141362136	TCL42	25ppm
CF2933	Internal Standard	4000ppm
DN 547	DCM Blw	—

Columns: RTX5MS 30m x .25mm x .25µm

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: OA Date: 6-12-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z92389	DFTPP			W	1					OK	9:20 aem
	Z92390	cc4569-25			W	2					OK	10↓ 54,61,63,69 ↑
	Z92391	CC4571-25			W	3					OK	benzidine ↑
	92392	OP75504-MB	75504	AB8270	W	4			✓	✓	ok	
	92393	OP75504-BSI	75504	↓	W	5			✓	✓	ok	
	92394	OP75504-BSD	75504	↓	W	6			✓	✓	ok	bias low
	92395	JB67999-4A	75504	AB8270NJ TCL20+	W	7			✓	✓	ok	
	92396	JB67999-2SA	75504	↓	W	8			✓	✓	ok	
	92397	OP75286MB1	75286:1	ASAI	S	9		→	✓	✓	ok	
	92398	OP75428-MS1	75428	AB8270	S	10		+	✓ 89%	✓	OK	Phthalate.
	92399	OP75248-MS1	75248	AB8270	SW	11			↓	✓	RR	Reg Batch wb ib
	92400	JB67976-6	75248	AB TCL20	W	12			✓		ok	
	92401	JB68603-1AB	75458	AB8270 TCLP	W	13			✓	✓	ok	*
	92402	JB68604-1AB		↓	W	14			✓	✓	ok	*
	92403	JB68264-16	75363	AB8270 NJTCL20	W	15			↓		ok	not spiked, RR
	92404	JB68486-2	75428	AB 8270 TCL20	S W	16			✓	✓	ok	
	92405	JB68486-3	75428	↓	S	17			✓	✓	ok	

(TX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.11

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4593

Date: 06/11/2014

Analyst Signature: NK

Columns: RTX-CMS 30m x 0.25mm x 0.25µm

Method 8270/625

Initial Cal. Method MZ4579

Injection Volume: 1µL

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
See page 173		

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: 6-12-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	Z92406	JB68486-4	75428	AB8270 TCL20	S	18			\	/	Ok	
	92407	JB68486-5	75428	↓	S	19			↓	↑	ns	Not Spiked
	92408	JB68486-6	75428	↓	S	20			\	/	Ok	
	92409	JB68486-7	75428	B8270 PAH	S	21			\	/	Ok	
	92410	OP75428-MSD JB68486-4 4/11/14	75428	AB8270	S	22			\	/	Ok	
	92411	OP75428-MS	75428	↓	S	23			\	/	Ok	
	92412	JB68173-4	75285 75428 4/11/14	AB TCL20	S	24			\	/	Ok	
	92413	JB68173-5	75285	↓	S	25			\	/	Ok	
	92414	JB68173-6	↓	↓	S	26			\	/	Ok	
	92415	JB68173-7	↓	↓	S	27			\	/	Ok	
	92416	JB68173-8	75285	↓	S	28			\	/	Ok	9:09 pm

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

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9.7.11

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4596

6-12-13 @A

Analyst Signature: @A

Standard Data

ot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-119	SOFUP	50ppm
CK2933	IS	4000ppm
@K 847	DCM MW	

Columns: MX-5MS 30m x0.25mmx0.25µm

Method 8260/625

Initial Cal. Method MZ4569

Injection Volume: 1µl

nually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply h the criteria of Accutest SOP EQA044.

Supervisor Signature: AS Date: 6-13-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
-92458	SOFUP			W	1					ok	4:59 PM
92459	IC4596-100		SKR		2					OK	SV141419-25A
92460	IC4596-80				3					ok	-25B
92461	IC4596-50				4					ok	-25C
92462	IC4596-25				5					ok	-25D
92463	IC4596-10				6					ok	-25E
92464	IC4596-5				7					ok	-25F
92465	IC4596-2				8					ok	-25G
92466	IC4596-1				9					ok	-25H
92467	IC4596-SD				10					ok	OP13-1083-135

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.

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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

9.7.12

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4598

6-13-14

Analyst Signature: QA

Standard Data

Lot#	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-119	DFTPP	OK
-138	BVA	25/50
SV141419-5	TCL 42	25/50
-25	SVMA	25/50
CLC933	IS	40/80
QC547	ROW WS	

Columns: RTX-5MS 30m X0.25mm X0.25µm

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: QA

Date: 6-17-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
92497	DFTPP			W	1					OK	
92498	CC4569-25				2					OK	73 246 TBP+
92499	CC4571-25		TCL 42		3					OK	
92500	CC4596-25		SVMA		4					OK	
92501	OP75554-MB1	755541	+SVMA ABN		5		+	/	/	OK	
92502	-BS1				6			/	/	OK	
92503	-BS13				7			/	/	OK	
92504	JB68027-11 MX		ABN+		8		+	/	/	OK	
92505	JB68173-9	752851	ABN 20	S	9			/	/	OK	
92506	-10				10			/	/	OK	
92507	JB68044-7	752491	acid+mthyl	W	11	100		/	/	OK	CFS
92508	JB68264-6	753631	ABN TCL 20		12			\	/	OK	
92509	JB68667-17	754501	ABN SVMA		13			\	/	OK	
92510	-19				14			\	/	OK	
92511	-7A				15			\	/	OK	
92512	-9A				16			\	/	OK	
92513	JB68790-1A	755541	ABN SVMA		17			\	/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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All strikeouts must be initialed, dated and reason code applied as follows:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Rev. Date: 1/16/2006

9.7.13

6

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4598

Date: 6-13-14

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
Same	as page#	189

Columns: MTX-MS 30mX0.25mmX0.25µm

Method 8270/625

Initial Cal. Method EZ4569

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6-17-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
092514	JB68790-2	755541	Abs Scan	W	18			\	/	OK	KH
92515	-3				19			\	/	OK	
92516	OP75554-MS		Abs Scan		20			\	/	OK	
92517	-MSD				21			\	/	OK	
92518	JB68778-1A		Abs Scan		22			\	/	OK	
92519	-3				23			\	/	OK	

MTX = Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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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

9.7.13

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Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # 14575295 RACK# XO

Date started: 06/03/14 Time started: 11:30 am

Date finished: 06/03/14 Time finished: 1:00 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	35.0	S			yellow	1V			
JB68173-1 MS		1	sand	32.6	S		✓	yellow	1			
MSD		1	sand	33.6	S		✓	yellow	1			
MB1 ~~BS~~			Na_2SO_4	35.0	S			clear	1			
MS												
MSD												
1 JB68173-1	ABN	1	sand	33.1	S		✓	~~yellow~~	1			Lyellow
2 -2		1	mud	30.4	S	✓		yellow				
3 -3		1	sand	31.3	S		✓	yellow	1			
4 -4		1	sand	31.5	S	✓		brown	1			
5 -5		1	sand	32.6	S	✓		brown	1			
6 -6		1	sand	30.4	S	✓		tan	1			
7 -7		1	sand	34.6	S		✓	clear	1			
8 -8		1	sand	31.8	S		✓	Lyellow	1			
9 -9		1	mud	30.5	S		✓	yellow	1			
10 -10		1	mud	30.5	S		✓	clear	1			
11 -11		1	mud	30.7	S		✓	yellow	1			
12 -12		1	mud	34.3	S		✓	yellow	1			
13 -13		1	soil	32.2	S		✓	brown	1			
14 -14		1	mud	31.5	S		✓	brown	1			
15 FN 6/2/14 ~~15~~		+ after AS 6/3/14										
16												
17												
18												
19												
20												

Comments:

Form: OP019A-01
Rev. Date: 04/09/13

See back for instructions

Ext By:	SSW/FN
Conc By:	AS/FN
Vialed By:	TM/FN
Relinquished by:	
Accepted by:	
Supervisor Review:	Permutex 6/3/14

Equipment	ID	Temp	Pr
WaterBath			
TurboVAP			
NEVAp	2	35°C	
Balance	B-47	N/A	N/

SURROGATE	Lot #	Conc	Amt
ABN OP	14117776	50	1

WITNESS SIGN: FN

MATRIX SPIKE	LOT #	Conc	Ar
Acid	14117744	50	1
Base #1 w/out Anilines OP	14117760	50	1
Base #2	14117743	50	1
Anilines	141122 78	50	1

WITNESS SIGN: FN

SOLVENT	LOT #	BRAND
1:1 MC/ ACE	24547 DI1520	HW
METH CHLOR		

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	Fc010210	Fisher
HYDROMATRIX	6209988	Agilent

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Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 6/3/14 Time Started: 12:00
Date Finished: 6/3/14 Time Finished: 23:30

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 X Cont Liq-Liq SW3520C

BATCH # MS75302 RACK# C-18

Ext By:	JH/EE/SK
Conc by:	VP
Vialed by:	
Relinquished by:	
Accepted by:	
Supervisor review:	6/3/14

Equipment	ID	Temp	Pres
Waterbath	3	85°	N/A
NEVAP			
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN	141777G	50	1.0
B/N	141777B	50	1.0
Witness Sign:			

Matrix Spike	Lot #	Conc	Amt
Acid	141777I	50	1.0
Base #1	141777J	50	1.0
Base #2	141777K	50	1.0
Witness Sign:			
BSM	141777G	1	1.0

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DE547	HL	6x60

Reagent	Lot #	Brand
Sodium Sulfate	136663	BSM
Filter Paper	F0074M	FSHL
Hydromatrix		
10% H2SO4	4B2227	PPH
10% NaOH	3/121	PPH

Sample #	Analysis Type	Sample Bottle #	pH	Sample Description	Sample Volume (ml) Oil Wt (g)	pH Adjust (ml) <2 H2SO4	pH Adjust (ml) >11 NaOH	Final Extract Color	Final Extract Vol(ml)	Misc. GPC Cleanup	Misc.	Comments
MB 1	ABN			DI H2O	1000	1	4	Clear	1			
BS 1				DI H2O	1000	1	4	yellow	1			
JB68170-6 MS		1		Clear	500	1	4	Yellow	1			
1 MSD		1		"	500	1	4	yellow	1			
BS 12	B/N			DI H2O	1000	1	4	Clear	1			
JB68176-1 MS A		1		L. Yellow	500	1	4	yellow	1			
1 MSD A		1		"	500	1	4	yellow	1			
JB68093-3	ABN	2		Brown	850	1	4	black	1			* 100
JB67912-15A Rx		5		L. Yellow	1000	1	4	Clear	1			
~~JB67931-1~~ JH 6/3/14												
2		1		L. Yellow	1000	1	4	Clear	1			
-3		1		Yellow	960	1	4	Clear	1			
-4		1		L. Yellow	950	1	4	Clear	1			
JB68170-5		1		Clear	950	1	4	Clear	1			
-6		2		Clear	1000	1	4	Clear	1			
JB68124-1	B/N	1		Yellow	1000		1	Clear	1			
JB68159-1				Yellow	990		1	Clear	1			
JB68176-1	ABN	2		L. Yellow	1000		1	yellow	1			
-2	B/N	1		L. Yellow	1000		1	Clear	1			
-3		1		Yellow	990	JH 6/3/14	1	light yellow	1			
-4		1		L. Yellow	1000		1	Clear	1			
-5		1		L. Yellow	1000		1	yellow	1			
-6		1		L. Yellow	1000		1	yellow	1			
-7		1		Brown	1000		1	yellow	1			
-8		1		Yellow	980		1	yellow	1			
-9		1		Brown	990		1	yellow	1			
JB68173-15	ABN	2		Clear	950	1	4	Clear	1			

COMMENTS: * Sample is a Peculiar matrix

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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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:23	MA34160-STD1	1		STDA
11:26	MA34160-STD2	1		STDB
11:29	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:36	MA34160-ICV1	1		
11:39	MA34160-ICB1	1		
11:42	MA34160-CCV1	1		
11:45	MA34160-CCB1	1		
11:48	MA34160-CRI1	1		
11:51	MA34160-CRID1	1		
11:54	MA34160-CRIA1	1		
11:57	ZZZZZZ	5		
12:01	ZZZZZZ	3		
12:04	MA34160-ICSA1	1		
12:07	MA34160-ICSAB1	1		
12:10	MA34160-CCV2	1		
12:13	MA34160-CCB2	1		
12:16	MP79824-B1	1		
12:22	ZZZZZZ	1		
12:25	MP79835-LC1	1		
12:28	MP79835-B1	1		
12:31	MP79835-S1	1		
12:34	MP79835-S2	1		
12:38	C34290-1	1		(sample used for QC only; not part of login JB68173)
12:41	MP79835-SD1	5		
12:44	MP79835-S1	2		
12:47	MA34160-CCV3	1		
12:50	MA34160-CCB3	1		
12:53	MP79835-S2	2		
12:56	C34290-1	2		(sample used for QC only; not part of login JB68173)
13:00	MP79835-SD1	10		
13:03	MP79835-S1	5		
13:06	MP79835-S2	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:09	C34290-1	5		(sample used for QC only; not part of login JB68173)
13:12	MP79835-SD1	25		
13:16	ZZZZZZ	1		
13:19	MP79824-S1	1		
13:22	MA34160-CCV4	1		
13:25	MA34160-CCB4	1		
13:28	MP79824-S2	1		
13:31	ZZZZZZ	1		
13:34	ZZZZZZ	10		
13:38	ZZZZZZ	2		
13:41	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:53	ZZZZZZ	2		
13:56	ZZZZZZ	1		
14:00	MA34160-CCV5	1		
14:02	MA34160-CCB5	1		
14:06	ZZZZZZ	3		
14:09	MP79719-MB1	1		
14:12	MP79719-B1	1		
14:15	MP79719-S1	1		Ca high
14:18	MP79719-S2	1		Ca high
14:21	JB67667-2A	1		(sample used for QC only; not part of login JB68173)
14:24	MP79719-SD1	5		Ca high
14:28	MP79830-MB1	1		Batch to reanalyze for Se, CRI out
14:31	MP79830-MB2	1		
14:34	MA34160-CCV6	1		
14:37	MA34160-CCB6	1		
14:40	MP79830-LC1	1		
14:43	MP79830-LC2	1		
14:46	MP79830-S1	1		
14:49	MP79830-S2	1		
14:52	JB68110-2	1		(sample used for QC only; not part of login JB68173)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:55	MP79830-SD1	5		
14:58	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:08	MA34160-CCV7	1		
15:11	MA34160-CCB7	1		
15:14	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:43	MA34160-CCV8	1		
15:49	MA34160-CCB8	1		
15:52	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:59	JB68173-15	1		
---------->	Last reportable sample/prep for job JB68173			
16:02	MP79841-MB1	1		Be added.
16:05	MP79841-B1	1		Be added.
16:08	MP79841-S1	1		S high
16:11	MP79841-S2	1		S high
16:14	JB68170-2AB	1		(sample used for QC only; not part of login JB68173)
16:17	MP79841-SD1	5		S high
16:21	MA34160-CCV9	1		
16:23	MA34160-CCB9	1		
16:27	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:36	MP79845-MB1	1		
16:40	MP79845-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	16:43	MP79845-S1	1		
	16:46	MP79845-S2	1		
	16:48	JB68058-4	1		(sample used for QC only; not part of login JB68173)
	16:52	MP79845-SD1	5		
	16:55	MA34160-CCV10	1		
	16:58	MA34160-CCB10	1		
	17:01	MA34160-CRI2	1		
	17:04	MA34160-CRID2	1		
	17:07	MA34160-CRIA2	1		
	17:10	MA34160-ICSA2	1		
	17:14	MA34160-ICSAB2	1		
	17:17	MA34160-CCV11	1		
	17:20	MA34160-CCB11	1		
---------->		Last reportable CCB for job JB68173			
	17:23	ZZZZZZ	1		
	17:26	ZZZZZZ	1		
	17:29	ZZZZZZ	1		
	17:32	ZZZZZZ	1		
	17:35	ZZZZZZ	1		
	17:38	ZZZZZZ	1		
	17:41	ZZZZZZ	1		
	17:44	ZZZZZZ	1		
	17:47	ZZZZZZ	1		
	17:50	MA34160-CCV12	1		
	17:53	MA34160-CCB12	1		
	17:56	ZZZZZZ	1		
	18:00	ZZZZZZ	1		
	18:03	ZZZZZZ	1		
	18:06	ZZZZZZ	1		
	18:09	ZZZZZZ	1		
	18:12	ZZZZZZ	1		
	18:15	ZZZZZZ	1		
	18:18	ZZZZZZ	1		
	18:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:24	MA34160-CCV13	1		
18:27	MA34160-CCB13	1		
18:31	ZZZZZZ	1		
18:34	MP79796-MB1	1		
18:37	MP79796-B1	1		
18:40	MP79796-S1	1		S high
18:43	MP79796-S2	1		S high
18:46	JB67923-1A	1		(sample used for QC only; not part of login JB68173)
18:49	MP79796-SD1	5		S high
18:52	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:58	MA34160-CCV14	1		
19:01	MA34160-CCB14	1		
19:04	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:23	MP79794-MB1	1		
19:26	MP79794-B1	1		
19:30	MP79794-S1	1		
19:33	MA34160-CCV15	1		
19:36	MA34160-CCB15	1		
19:39	MP79794-S2	1		
19:42	JB67268-2A	1		(sample used for QC only; not part of login JB68173)
19:45	MP79794-SD1	5		
19:48	MP79867-MB1	1		
19:51	MP79867-B1	1		
19:54	MP79867-S1	1		Fe and Mn high
19:57	MP79867-S2	1		Fe and Mn high
20:01	JB67941-1	1		(sample used for QC only; not part of login JB68173)
20:04	MP79867-SD1	5		Fe and Mn high

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:07	MA34160-CCV16	1		
20:10	MA34160-CCB16	1		
20:13	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:43	MA34160-CCV17	1		
20:46	MA34160-CCB17	1		
20:50	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:56	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:05	ZZZZZZ	1		
21:08	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:20	MA34160-CCV18	1		
21:23	MA34160-CCB18	1		
21:27	MA34160-CRI3	1		
21:30	MA34160-CRID3	1		
21:33	MA34160-CRIA3	1		
21:36	MA34160-CCV19	1		
21:39	MA34160-CCB19	1		
21:42	ZZZZZZ	1		
21:45	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:48	ZZZZZZ	1		
21:52	ZZZZZZ	1		
21:55	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:04	ZZZZZZ	1		
22:08	ZZZZZZ	1		
22:11	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:23	MA34160-STD1	2337 R	89398 R	18993 R	4924 R
11:26	MA34160-STD2	2175	82479	18677	4286
11:29	ZZZZZZ	2230	84779	18926	4433
11:32	ZZZZZZ	2326	89358	18778	4896
11:36	MA34160-ICV1	2256	84694	18709	4476
11:39	MA34160-ICB1	2325	89157	19079	4894
11:42	MA34160-CCV1	2231	84186	18835	4434
11:45	MA34160-CCB1	2320	88863	18859	4883
11:48	MA34160-CRI1	2307	88800	19036	4794
11:51	MA34160-CRID1	2318	88730	18942	4867
11:54	MA34160-CRIA1	2317	88706	18964	4868
11:57	ZZZZZZ	2325	88505	18935	4871
12:01	ZZZZZZ	2309	88217	18902	4798
12:04	MA34160-ICSA1	2052	77001	18522	3975
12:07	MA34160-ICSAB1	2049	77365	18449	3976
12:10	MA34160-CCV2	2237	85172	18747	4447
12:13	MA34160-CCB2	2322	88971	18728	4882
12:16	MP79824-B1	2129	79777	19105	3987
12:22	ZZZZZZ	2348	89060	18960	4950
12:25	MP79835-LC1	2302	88063	19059	4734
12:28	MP79835-B1	2287	86862	18873	4617
12:31	MP79835-S1	1722	63623	17341	3021 !a
12:34	MP79835-S2	1731	64254	17277	3039 !a
12:38	C34290-1	1694	62718	16856	2987 !a
12:41	MP79835-SD1	2037	75995	18077	3735
12:44	MP79835-S1	1876	69584	17687	3348 !a
12:47	MA34160-CCV3	2226	84350	18670	4425
12:50	MA34160-CCB3	2325	88968	18634	4883
12:53	MP79835-S2	1881	70276	17912	3364 !a
12:56	C34290-1	1864	68895	17433	3322 !a
13:00	MP79835-SD1	2100	78770	18383	3929
13:03	MP79835-S1	2012	74999	17947	3689
13:06	MP79835-S2	2003	75136	18259	3681

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:09	C34290-1	2015	74802	18005	3689
13:12	MP79835-SD1	2182	82576	18514	4208
13:16	ZZZZZZ	2098	78862	18621	3938
13:19	MP79824-S1	2079	78360	18674	3875
13:22	MA34160-CCV4	2207	83467	18210	4392
13:25	MA34160-CCB4	2291	87866	18386	4820
13:28	MP79824-S2	2075	78218	18699	3862
13:31	ZZZZZZ	2085	78177	18501	3910
13:34	ZZZZZZ	2220	83917	18205	4434
13:38	ZZZZZZ	2121	80418	18644	4160
13:41	ZZZZZZ	2325	88909	18688	4885
13:44	ZZZZZZ	2269	86334	17501	4707
13:50	ZZZZZZ	2259	86783	18229	4693
13:53	ZZZZZZ	2217	84267	18493	4622
13:56	ZZZZZZ	2275	86165	18892	4574
14:00	MA34160-CCV5	2192	82864	18135	4357
14:02	MA34160-CCB5	2286	87277	18314	4806
14:06	ZZZZZZ	2216	83713	18341	4611
14:09	MP79719-MB1	2056	76912	18258	3840
14:12	MP79719-B1	2309	89330	19054	4876
14:15	MP79719-S1	1918	75105	17820	3674
14:18	MP79719-S2	1934	75395	17761	3702
14:21	JB67667-2A	1920	75174	17668	3676
14:24	MP79719-SD1	2109	81428	17847	4191
14:28	MP79830-MB1	2291	88286	18365	4824
14:31	MP79830-MB2	2285	87932	18375	4810
14:34	MA34160-CCV6	2180	82440	18077	4334
14:37	MA34160-CCB6	2266	86875	18073	4772
14:40	MP79830-LC1	2250	86203	18552	4639
14:43	MP79830-LC2	2259	86661	18588	4653
14:46	MP79830-S1	2205	84138	18259	4404
14:49	MP79830-S2	2202	84252	18483	4402
14:52	JB68110-2	2244	85670	18416	4598

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:55	MP79830-SD1	2269	86291	18274	4747
14:58	ZZZZZZ	2109	78844	18129	3999
15:02	ZZZZZZ	2291	88204	18475	4820
15:05	ZZZZZZ	2290	87598	18276	4820
15:08	MA34160-CCV7	2181	82651	18025	4336
15:11	MA34160-CCB7	2275	86705	18120	4780
15:14	ZZZZZZ	2293	87632	18526	4814
15:17	ZZZZZZ	2112	79131	18175	3994
15:21	ZZZZZZ	2296	87564	18485	4825
15:24	ZZZZZZ	2297	87839	18432	4823
15:27	ZZZZZZ	2259	86178	18494	4643
15:30	ZZZZZZ	2246	86185	18273	4626
15:33	ZZZZZZ	2229	85840	18752	4458
15:36	ZZZZZZ	2160	82258	18262	4243
15:39	ZZZZZZ	2315	88404	18196	4862
15:43	MA34160-CCV8	2200	83189	17951	4371
15:49	MA34160-CCB8	2280	87149	18143	4788
15:52	ZZZZZZ	2026	76053	17553	3774
15:55	ZZZZZZ	2161	82873	18220	4303
15:59	JB68173-15	2304	88507	18546	4840
16:02	MP79841-MB1	2296	88196	18496	4840
16:05	MP79841-B1	2300	88018	18594	4807
16:08	MP79841-S1	2031	78454	17847	3945
16:11	MP79841-S2	2042	78965	17838	3970
16:14	JB68170-2AB	2032	78307	17796	3933
16:17	MP79841-SD1	2191	84303	17980	4419
16:21	MA34160-CCV9	2204	83035	17935	4375
16:23	MA34160-CCB9	2289	87048	17949	4814
16:27	ZZZZZZ	2014	77931	17636	3898
16:30	ZZZZZZ	2022	78841	18050	3898
16:33	ZZZZZZ	2015	77810	17264	3879
16:36	MP79845-MB1	2321	89715	18422	4879
16:40	MP79845-B1	2266	85452	18252	4592

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:43	MP79845-S1	2346	87892	19551	4466
16:46	MP79845-S2	2351	87482	19425	4470
16:48	JB68058-4	2360	88090	19376	4520
16:52	MP79845-SD1	2305	87087	18309	4684
16:55	MA34160-CCV10	2189	82327	17870	4351
16:58	MA34160-CCB10	2273	86158	17937	4780
17:01	MA34160-CRI2	2260	85686	17803	4692
17:04	MA34160-CRID2	2268	86261	17891	4747
17:07	MA34160-CRIA2	2269	86600	17932	4765
17:10	MA34160-ICSA2	1998	74666	17352	3875
17:14	MA34160-ICSAB2	1995	74506	17387	3874
17:17	MA34160-CCV11	2184	81739	17755	4331
17:20	MA34160-CCB11	2266	86370	17873	4762
17:23	ZZZZZZ	2292	86399	18424	4674
17:26	ZZZZZZ	2265	86214	18253	4674
17:29	ZZZZZZ	2278	85999	18398	4631
17:32	ZZZZZZ	2280	86099	18351	4661
17:35	ZZZZZZ	2307	86371	18765	4514
17:38	ZZZZZZ	2334	87485	18528	4674
17:41	ZZZZZZ	2279	84338	18461	4509
17:44	ZZZZZZ	2259	83960	18497	4488
17:47	ZZZZZZ	2275	84751	18523	4530
17:50	MA34160-CCV12	2188	82021	17377	4348
17:53	MA34160-CCB12	2272	86371	17835	4783
17:56	ZZZZZZ	2307	87283	18584	4626
18:00	ZZZZZZ	2376	88765	19485	4541
18:03	ZZZZZZ	2393	89524	19344	4522
18:06	ZZZZZZ	2392	89498	19403	4539
18:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:12	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:15	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:18	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:24	MA34160-CCV13	2199	83021	17719	4368
18:27	MA34160-CCB13	2296	87300	17688	4826
18:31	ZZZZZZ	2431	93149	19293	4488
18:34	MP79796-MB1	2316	88058	17888	4872
18:37	MP79796-B1	2239	84963	17819	4537
18:40	MP79796-S1	2177	83205	18121	4485
18:43	MP79796-S2	2174	83557	18023	4481
18:46	JB67923-1A	2220	84994	18232	4628
18:49	MP79796-SD1	2311	87221	18016	4798
18:52	ZZZZZZ	2174	82145	18241	4576
18:55	ZZZZZZ	2251	85698	18437	4634
18:58	MA34160-CCV14	2222	82725	17283	4408
19:01	MA34160-CCB14	2303	87121	17539	4840
19:04	ZZZZZZ	2236	85495	18095	4490
19:08	ZZZZZZ	2193	82531	18035	4288
19:11	ZZZZZZ	2255	85562	17810	4536
19:14	ZZZZZZ	2218	83140	18055	4389
19:17	ZZZZZZ	2241	85113	17932	4474
19:20	ZZZZZZ	2220	83573	17889	4424
19:23	MP79794-MB1	2082	77241	17669	3889
19:26	MP79794-B1	2077	77483	17697	3869
19:30	MP79794-S1	2231	84207	17755	4431
19:33	MA34160-CCV15	2204	82961	17506	4378
19:36	MA34160-CCB15	2299	86664	17722	4827
19:39	MP79794-S2	2245	85153	17777	4482
19:42	JB67268-2A	2237	84765	17902	4455
19:45	MP79794-SD1	2280	86140	17595	4680
19:48	MP79867-MB1	2313	88483	17907	4862
19:51	MP79867-B1	2244	84962	17527	4546
19:54	MP79867-S1	2047	79737	17244	4597
19:57	MP79867-S2	2051	79182	17309	4570
20:01	JB67941-1	2021	78539	17050	4626
20:04	MP79867-SD1	2205	83753	17268	4627

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:07	MA34160-CCV16	2219	83491	17382	4407
20:10	MA34160-CCB16	2290	87022	17396	4816
20:13	ZZZZZZ	2307	87336	18613	4467
20:16	ZZZZZZ	2356	88763	18582	4569
20:19	ZZZZZZ	2333	87641	18571	4553
20:22	ZZZZZZ	2357	88570	18823	4551
20:25	ZZZZZZ	2349	87985	18584	4563
20:28	ZZZZZZ	2372	88564	18515	4568
20:31	ZZZZZZ	2358	88731	18597	4557
20:34	ZZZZZZ	2343	87820	18703	4530
20:37	ZZZZZZ	2355	88768	18867	4540
20:40	ZZZZZZ	2306	85508	17903	4569
20:43	MA34160-CCV17	2212	82552	17298	4394
20:46	MA34160-CCB17	2289	86800	17335	4818
20:50	ZZZZZZ	2349	88058	18656	4574
20:53	ZZZZZZ	1455 !a	83573	17555	4392
20:56	ZZZZZZ	2234	84947	17653	4583
20:59	ZZZZZZ	2292	87529	999999 !a	4622
21:02	ZZZZZZ	2259	85280	17898	4597
21:05	ZZZZZZ	2278	86204	17170	4618
21:08	ZZZZZZ	2277	85802	18197	4627
21:11	ZZZZZZ	2309	86994	18236	4613
21:14	ZZZZZZ	2287	85716	17777	4606
21:17	ZZZZZZ	2291	86142	17986	4575
21:20	MA34160-CCV18	2216	82773	17198	4396
21:23	MA34160-CCB18	2305	87337	17348	4840
21:27	MA34160-CRI3	2286	85945	17255	4743
21:30	MA34160-CRID3	2289	87127	17316	4799
21:33	MA34160-CRIA3	2284	86653	17066	4796
21:36	MA34160-CCV19	2193	82452	16875	4359
21:39	MA34160-CCB19	2301	86779	17303	4832
21:42	ZZZZZZ	2272	86067	17020	4781
21:45	ZZZZZZ	2306	88710	17392	4850

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34160
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:48	ZZZZZZ	2326	87193	17368	4871
21:52	ZZZZZZ	2298	86590	17236	4817
21:55	ZZZZZZ	2256	86671	17175	4801
21:58	ZZZZZZ	2304	86889	17259	4825
22:01	ZZZZZZ	2133	80749	16968	4214
22:04	ZZZZZZ	2307	87482	17221	4855
22:08	ZZZZZZ	2301	86928	17147	4842
22:11	ZZZZZZ	2317	86800	17239	4867

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34160 Units: ug/l

Time: / Sample ID:			11:39 ICB1		11:45 CCB1		12:13 CCB2		12:50 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	-10	<200	-11	<200	0.70	<200	-12	<200
Antimony	6.0	1.1	-0.50	<6.0	1.0	<6.0	1.0	<6.0	0.90	<6.0
Arsenic	3.0	1	0.90	<3.0	0.80	<3.0	-0.40	<3.0	0.50	<3.0
Barium	200	.2	0.0	<200	0.20	<200	0.20	<200	0.40	<200
Beryllium	1.0	.01	0.20	<1.0	0.20	<1.0	0.20	<1.0	0.10	<1.0
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	0.0	<3.0	0.10	<3.0	0.0	<3.0	0.10	<3.0
Calcium	5000	6	4.7	<5000	1.0	<5000	5.6	<5000	2.8	<5000
Chromium	10	.3	-0.40	<10	-0.60	<10	0.40	<10	0.10	<10
Cobalt	50	.3	-0.30	<50	0.20	<50	-0.10	<50	-0.10	<50
Copper	10	1.6	-0.80	<10	0.10	<10	0.10	<10	-0.30	<10
Iron	100	1.2	3.4	<100	3.1	<100	6.2	<100	4.3	<100
Lead	3.0	1.3	0.10	<3.0	0.0	<3.0	0.10	<3.0	-0.80	<3.0
Lithium	20	2								
Magnesium	5000	14	-2.7	<5000	-2.5	<5000	-16	<5000	1.8	<5000
Manganese	15	.04	0.10	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.3								
Nickel	10	.5	-0.20	<10	0.20	<10	-0.10	<10	-0.20	<10
Palladium	50	.9								
Potassium	10000	24	-12	<10000	33.1	<10000	35.9	<10000	66.0	<10000
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	0.40	<10	0.0	<10	0.60	<10	0.30	<10
Sodium	10000	5.9	19.7	<10000	13.4	<10000	5.1	<10000	392	<10000
Sulfur	50	2.8	anr							
Strontium	10	.04								
Thallium	2.0	1.9	0.20	<2.0	-0.80	<2.0	0.10	<2.0	-0.20	<2.0
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	0.0	<50	0.0	<50	-0.50	<50	-0.40	<50
Zinc	20	.3	0.10	<20	0.20	<20	0.10	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34160 Units: ug/l

Time:			11:39		11:45		12:13		12:50	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34160 Units: ug/l

Time: / Sample ID:			13:25 CCB4		14:02 CCB5		14:37 CCB6		15:11 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	-17	<200	-8.3	<200	-5.9	<200	-13	<200
Antimony	6.0	1.1	1.1	<6.0	0.80	<6.0	0.0	<6.0	-0.20	<6.0
Arsenic	3.0	1	0.60	<3.0	1.0	<3.0	0.40	<3.0	-0.90	<3.0
Barium	200	.2	0.50	<200	0.60	<200	0.60	<200	0.60	<200
Beryllium	1.0	.01	0.10	<1.0	0.20	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	0.20	<3.0	0.10	<3.0	0.10	<3.0	0.20	<3.0
Calcium	5000	6	3.0	<5000	4.7	<5000	5.6	<5000	1.4	<5000
Chromium	10	.3	0.0	<10	-0.30	<10	0.0	<10	-0.20	<10
Cobalt	50	.3	0.0	<50	-0.20	<50	0.0	<50	0.0	<50
Copper	10	1.6	-0.80	<10	-0.70	<10	-1.2	<10	-1.1	<10
Iron	100	1.2	1.5	<100	7.4	<100	3.0	<100	-0.70	<100
Lead	3.0	1.3	-0.50	<3.0	-0.40	<3.0	-0.50	<3.0	-0.60	<3.0
Lithium	20	2								
Magnesium	5000	14	-22	<5000	-24	<5000	-9.2	<5000	-30	<5000
Manganese	15	.04	0.10	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.3								
Nickel	10	.5	-0.20	<10	0.0	<10	-0.20	<10	-0.60	<10
Palladium	50	.9								
Potassium	10000	24	-28	<10000	-31	<10000	-24	<10000	-82	<10000
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	0.40	<10	-0.50	<10	0.0	<10	-0.30	<10
Sodium	10000	5.9	225	<10000	86.4	<10000	123	<10000	101	<10000
Sulfur	50	2.8	anr							
Strontium	10	.04								
Thallium	2.0	1.9	-0.60	<2.0	-0.40	<2.0	-0.50	<2.0	0.10	<2.0
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	-0.10	<50	-0.30	<50	-0.10	<50	-0.50	<50
Zinc	20	.3	0.40	<20	0.30	<20	0.30	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34160 Units: ug/l

Time: / Sample ID:			13:25 CCB4		14:02 CCB5		14:37 CCB6		15:11 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34160 Units: ug/l

Time:			15:49		16:23		16:58		17:20	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	-20	<200	-15	<200	-7.8	<200	-19	<200
Antimony	6.0	1.1	0.30	<6.0	-0.30	<6.0	1.7	<6.0	0.90	<6.0
Arsenic	3.0	1	2.3	<3.0	1.3	<3.0	0.60	<3.0	0.80	<3.0
Barium	200	.2	0.40	<200	0.60	<200	0.30	<200	0.70	<200
Beryllium	1.0	.01	0.10	<1.0	0.10	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	-0.10	<3.0	0.0	<3.0	0.0	<3.0	0.20	<3.0
Calcium	5000	6	1.3	<5000	3.1	<5000	2.7	<5000	0.80	<5000
Chromium	10	.3	0.0	<10	-0.30	<10	0.10	<10	-0.20	<10
Cobalt	50	.3	0.0	<50	-0.10	<50	-0.40	<50	-0.30	<50
Copper	10	1.6	-1.4	<10	-1.1	<10	-0.30	<10	-0.70	<10
Iron	100	1.2	0.50	<100	3.1	<100	5.9	<100	6.4	<100
Lead	3.0	1.3	0.0	<3.0	-0.80	<3.0	0.90	<3.0	0.0	<3.0
Lithium	20	2								
Magnesium	5000	14	1.6	<5000	-12	<5000	-7.8	<5000	-7.7	<5000
Manganese	15	.04	0.10	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.3								
Nickel	10	.5	-0.20	<10	-0.10	<10	-0.20	<10	-0.20	<10
Palladium	50	.9								
Potassium	10000	24	-50	<10000	-63	<10000	-65	<10000	-75	<10000
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	-0.10	<10	0.50	<10	0.0	<10	-0.30	<10
Sodium	10000	5.9	71.7	<10000	76.8	<10000	65.7	<10000	46.8	<10000
Sulfur	50	2.8	anr							
Strontium	10	.04								
Thallium	2.0	1.9	-1.7	<2.0	-1.3	<2.0	0.0	<2.0	0.60	<2.0
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	0.0	<50	-0.20	<50	-0.20	<50	-0.10	<50
Zinc	20	.3	0.20	<20	0.20	<20	0.20	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34160 Units: ug/l

Time:			15:49		16:23		16:58		17:20	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		11:36			11:42			12:10	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39600	99.0	40000	39600	99.0
Antimony	2000	1980	99.0	2000	2010	100.5	2000	2010	100.5
Arsenic	2000	1970	98.5	2000	2000	100.0	2000	2000	100.0
Barium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Beryllium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	1970	98.5	2000	2000	100.0	2000	1990	99.5
Calcium	40000	40100	100.3	40000	39800	99.5	40000	39700	99.3
Chromium	2000	2030	101.5	2000	2040	102.0	2000	2020	101.0
Cobalt	2000	1990	99.5	2000	2010	100.5	2000	2010	100.5
Copper	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Iron	40000	40300	100.8	40000	40200	100.5	40000	40300	100.8
Lead	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Lithium									
Magnesium	40000	40300	100.8	40000	40200	100.5	40000	40400	101.0
Manganese	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Molybdenum									
Nickel	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Palladium									
Potassium	40000	39800	99.5	40000	39600	99.0	40000	39600	99.0
Selenium	anr								
Silicon									
Silver	250	248	99.2	250	249	99.6	250	248	99.2
Sodium	40000	40200	100.5	40000	40100	100.3	40000	40200	100.5
Sulfur	anr								
Strontium									
Thallium	2000	2040	102.0	2000	2070	103.5	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Zinc	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		11:36			11:42			12:10	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		12:47			13:22			14:00	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39500	98.8	40000	40000	100.0
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2050	102.5
Arsenic	2000	2010	100.5	2000	2010	100.5	2000	2040	102.0
Barium	2000	2020	101.0	2000	2010	100.5	2000	2050	102.5
Beryllium	2000	2010	100.5	2000	2020	101.0	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Calcium	40000	39400	98.5	40000	39300	98.3	40000	39700	99.3
Chromium	2000	2030	101.5	2000	2060	103.0	2000	2070	103.5
Cobalt	2000	2020	101.0	2000	2020	101.0	2000	2050	102.5
Copper	2000	1970	98.5	2000	1980	99.0	2000	2010	100.5
Iron	40000	39600	99.0	40000	39200	98.0	40000	39500	98.8
Lead	2000	2040	102.0	2000	2050	102.5	2000	2080	104.0
Lithium									
Magnesium	40000	39800	99.5	40000	39600	99.0	40000	39900	99.8
Manganese	2000	2040	102.0	2000	2060	103.0	2000	2080	104.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2020	101.0	2000	2050	102.5
Palladium									
Potassium	40000	39800	99.5	40000	39900	99.8	40000	40400	101.0
Selenium	anr								
Silicon									
Silver	250	246	98.4	250	247	98.8	250	250	100.0
Sodium	40000	37500	93.8	40000	39100	97.8	40000	40600	101.5
Sulfur	anr								
Strontium									
Thallium	2000	2070	103.5	2000	2060	103.0	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2020	101.0	2000	2040	102.0
Zinc	2000	2040	102.0	2000	2040	102.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		12:47			13:22			14:00	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		14:34			15:08			15:43	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39500	98.8	40000	39600	99.0
Antimony	2000	2060	103.0	2000	2050	102.5	2000	2020	101.0
Arsenic	2000	2050	102.5	2000	2040	102.0	2000	2010	100.5
Barium	2000	2040	102.0	2000	2020	101.0	2000	2030	101.5
Beryllium	2000	2040	102.0	2000	2020	101.0	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	1990	99.5	2000	1970	98.5
Calcium	40000	39500	98.8	40000	39000	97.5	40000	39200	98.0
Chromium	2000	2080	104.0	2000	2070	103.5	2000	2050	102.5
Cobalt	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Copper	2000	2020	101.0	2000	2000	100.0	2000	1990	99.5
Iron	40000	39300	98.3	40000	38800	97.0	40000	38900	97.3
Lead	2000	2080	104.0	2000	2070	103.5	2000	2050	102.5
Lithium									
Magnesium	40000	39800	99.5	40000	39500	98.8	40000	39700	99.3
Manganese	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2020	101.0
Palladium									
Potassium	40000	40400	101.0	40000	39900	99.8	40000	40100	100.3
Selenium	anr								
Silicon									
Silver	250	251	100.4	250	248	99.2	250	246	98.4
Sodium	40000	40800	102.0	40000	40600	101.5	40000	40700	101.8
Sulfur	anr								
Strontium									
Thallium	2000	2080	104.0	2000	2060	103.0	2000	2040	102.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2030	101.5	2000	2020	101.0
Zinc	2000	2080	104.0	2000	2070	103.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		14:34			15:08			15:43	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		16:21			16:55			17:17	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39400	98.5	40000	39400	98.5	40000	39300	98.3
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Barium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Beryllium	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Bismuth									
Boron									
Cadmium	2000	1970	98.5	2000	1980	99.0	2000	1980	99.0
Calcium	40000	38800	97.0	40000	38800	97.0	40000	38800	97.0
Chromium	2000	2050	102.5	2000	2070	103.5	2000	2080	104.0
Cobalt	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Copper	2000	1980	99.0	2000	1990	99.5	2000	2000	100.0
Iron	40000	38600	96.5	40000	38400	96.0	40000	38300	95.8
Lead	2000	2050	102.5	2000	2060	103.0	2000	2070	103.5
Lithium									
Magnesium	40000	39400	98.5	40000	39200	98.0	40000	39300	98.3
Manganese	2000	2060	103.0	2000	2070	103.5	2000	2070	103.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Palladium									
Potassium	40000	39900	99.8	40000	40100	100.3	40000	40200	100.5
Selenium	anr								
Silicon									
Silver	250	246	98.4	250	247	98.8	250	247	98.8
Sodium	40000	40700	101.8	40000	41000	102.5	40000	41000	102.5
Sulfur	anr								
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Zinc	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34160 Units: ug/l

Time:		16:21			16:55			17:17	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34160 Units: ug/l

Time:				11:48		11:51		11:54	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	201	100.5	93.1	93.1	483	96.6
Antimony	6.0	20	3.0	6.8	113.3			20.0	100.0
Arsenic	8.0	20	3.0	8.1	101.3	3.2	106.7	19.6	98.0
Barium	200		4.0	205	102.5	4.3	107.5		
Beryllium	2.0		1.0	2.1	105.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.2	106.7	1.2	120.0		
Calcium	5000		1000	5070	101.4	1050	105.0		
Chromium	10		2.0	10.4	104.0				
Cobalt	50		3.0	50.5	101.0	2.8	93.3		
Copper	10		2.0	9.6	96.0				
Iron	100	500		109	109.0			517	103.4
Lead	3.0	20	2.5	3.1	103.3			20.0	100.0
Lithium	20								
Magnesium	5000		100	5160	103.2	101	101.0		
Manganese	15		3.0	15.7	104.7	3.1	103.3		
Molybdenum	20								
Nickel	10		4.0	10.2	102.0	4.1	102.5		
Palladium	50								
Potassium	5000		2000	5150	103.0	2070	103.5		
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	5.5	110.0	1.2	120.0		
Sodium	5000		1000	5030	100.6	1040	104.0		
Sulfur	50			anr					
Strontium	10								
Thallium	10		2.0	11.2	112.0	2.0	100.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	50.2	100.4	1.6	80.0		
Zinc	20		10	22.5	112.5	11.6	116.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34160 Units: ug/l

Time:				11:48		11:51		11:54	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34160 Units: ug/l

Time:				17:01		17:04		17:07	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	196	98.0			486	97.2
Antimony	6.0	20	3.0	5.4	90.0			21.9	109.5
Arsenic	8.0	20	3.0	9.4	117.5	3.1	103.3	21.0	105.0
Barium	200		4.0	208	104.0	4.7	117.5		
Beryllium	2.0		1.0	2.1	105.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.3	110.0	1.2	120.0		
Calcium	5000		1000	5010	100.2				
Chromium	10		2.0	10.7	107.0	2.0	100.0		
Cobalt	50		3.0	51.1	102.2	3.1	103.3		
Copper	10		2.0	9.1	91.0				
Iron	100	500		101	101.0			505	101.0
Lead	3.0	20	2.5	2.7	90.0	2.6	104.0	19.2	96.0
Lithium	20								
Magnesium	5000		100	5150	103.0				
Manganese	15		3.0	16.0	106.7	3.4	113.3		
Molybdenum	20								
Nickel	10		4.0	10.0	100.0	4.5	112.5		
Palladium	50								
Potassium	5000		2000	5160	103.2	2010	100.5		
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	4.7	94.0	1.2	120.0		
Sodium	5000		1000	5250	105.0	1120	112.0		
Sulfur	50			anr					
Strontium	10								
Thallium	10		2.0	12.8	128.0	2.0	100.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	50.9	101.8	1.9	95.0		
Zinc	20		10	22.5	112.5	12.4	124.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34160 Units: ug/l

Time:				17:01		17:04		17:07	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34160 Units: ug/l

Time:			12:04		12:07		17:10		17:14	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	493000	98.6	494000	98.8	499000	99.8	493000	98.6
Antimony		1000	-4.6		1030	103.0	-1.5		1050	105.0
Arsenic		1000	-2.4		1070	107.0	-4.7		1090	109.0
Barium		500	-1.4		492	98.4	-1.0		500	100.0
Beryllium		500	-0.20		488	97.6	-0.20		494	98.8
Bismuth		500	23.1		545	109.0	24.2		554	110.8
Boron			-4.6		-2.0		-6.3		-1.8	
Cadmium		1000	0.80		996	99.6	1.1		999	99.9
Calcium	400000	400000	375000	93.8	375000	93.8	372000	93.0	371000	92.8
Chromium		500	0.30		488	97.6	-0.20		502	100.4
Cobalt		500	-0.20		483	96.6	-0.80		492	98.4
Copper		500	8.8		523	104.6	7.1		532	106.4
Iron	200000	200000	191000	95.5	190000	95.0	186000	93.0	185000	92.5
Lead		1000	0.50		968	96.8	2.4		980	98.0
Lithium		500	8.2		532	106.4	8.3		561	112.2
Magnesium	500000	500000	510000	102.0	521000	104.2	505000	101.0	516000	103.2
Manganese		500	0.30		501	100.2	-1.3		510	102.0
Molybdenum		500	-1.2		498	99.6	-0.60		505	101.0
Nickel		1000	1.1		968	96.8	1.3		974	97.4
Palladium		500	20.2		551	110.2	20.8		558	111.6
Potassium			163		176		44.9		32.3	
Selenium		1000	1.7		1030	103.0	-6.7		1050	105.0
Silicon			-21		-19		-21		-17	
Silver		1000	6.1		1020	102.0	-2.4		1040	104.0
Sodium			-2.6		11.5		57.2		61.1	
Sulfur		500	-5.4		493	98.6	8.6		514	102.8
Strontium			-5.1		-5.0		-4.7		-4.6	
Thallium		1000	-1.5		949	94.9	-0.10		949	94.9
Tin			-1.8		-2.4		-2.2		-2.6	
Titanium			0.50		1.0		0.70		1.3	
Tungsten		500	0.40		552	110.4	-1.2		556	111.2
Vanadium		500	0.80		473	94.6	1.3		483	96.6
Zinc		1000	-9.0		952	95.2	-8.7		968	96.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34160 Units: ug/l

Time:			12:04		12:07		17:10		17:14	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-1.1		575	115.0	-2.2		588	117.6

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34168
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:14	MA34168-STD1	1		B=0.9999168, B=2.525e-4, C=2.4714e-2.
12:15	MA34168-STD2	1		STDB
12:16	MA34168-STD3	1		STDC
12:17	MA34168-STD4	1		STDD
12:19	MA34168-STD5	1		STDE
12:20	MA34168-STD6	1		STDF
12:25	MA34168-ICV1	1		
12:26	MA34168-ICB1	1		
12:28	MA34168-ICCV1	1		
12:29	MA34168-CCB1	1		
12:31	MA34168-CRIB1	1		
12:53	MP79894-MB1	1		
12:55	MP79894-LC1	1		
12:56	MP79894-S1	1		
12:58	MP79894-S2	1		
12:59	JB68374-7A	1		(sample used for QC only; not part of login JB68173)
13:01	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:06	MA34168-CCV1	1		
13:07	MA34168-CCB2	1		
13:09	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:11	MP79895-MB1	1		
13:13	MP79895-LC1	1		
13:14	MP79895-S1	1		
13:15	MP79895-S2	1		
13:17	C34314-1	1		(sample used for QC only; not part of login JB68173)
13:19	MP79896-MB1	1		
13:20	MP79896-LC1	1		
13:21	ZZZZZZ	1		
13:23	MA34168-CCV2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34168
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:24	MA34168-CCB3	1		
13:26	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:39	MA34168-CCV3	1		
13:40	MA34168-CCB4	1		
13:41	JB68173-15	1		
---------->	Last reportable sample/prep for job JB68173			
13:43	MP79897-MB1	1		
13:44	MP79897-LC1	1		
13:45	MP79897-S1	1		
13:47	MP79897-S2	1		
13:48	ZZZZZZ	1		
13:50	JB68042-1F	1		(sample used for QC only; not part of login JB68173)
13:52	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:55	MA34168-CCV4	1		
13:57	MA34168-CCB5	1		
13:58	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:08	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34168
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:09	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:12	MA34168-CCV5	1		
14:13	MA34168-CCB6	1		
14:14	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:21	MP79853-MB2	1		
14:22	MP79853-LC1	1		
14:24	ZZZZZZ	1		
14:25	MP79899-MB1	1		
14:27	MP79899-B1	1		
14:28	MA34168-CCV6	1		
14:30	MA34168-CCB7	1		
14:31	MP79899-S1	1		
14:32	MP79899-S2	1		
14:34	JB68196-1	1		(sample used for QC only; not part of login JB68173)
14:36	MP79900-MB1	1		
14:37	MP79900-B1	1		
14:38	MP79900-S1	1		
14:40	MP79900-S2	1		
14:41	JB68216-1	1		(sample used for QC only; not part of login JB68173)
14:43	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:46	MA34168-CCV7	1		
14:47	MA34168-CCB8	1		
14:48	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:54	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
Analyst: JW Run ID: MA34168
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:55	ZZZZZZ	1		
14:57	ZZZZZZ	1		
14:58	MP79821-MB3	1		
14:59	MP79821-LC2	1		
15:01	ZZZZZZ	1		
15:02	MA34168-CCV8	1		
15:03	MA34168-CCB9	1		
15:05	MP79871-MB2	1		
15:06	MP79871-LC2	1		
15:08	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:10	MP79901-MB1	1		
15:12	MP79901-B1	1		
15:13	MP79901-S1	1		
15:15	MP79901-S2	1		
15:16	JB68325-2A	1		(sample used for QC only; not part of login JB68173)
15:18	ZZZZZZ	1		
15:19	MA34168-CCV9	1		
15:21	MA34168-CCB10	1		
15:22	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:39	MA34168-CRIB2	1		
15:45	ZZZZZZ	2		
15:47	ZZZZZZ	1		
15:48	ZZZZZZ	1		
16:07	MA34168-CCV10	1		
16:08	MA34168-CCB11	1		

----------> Last reportable CCB for job JB68173
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34168 Units: ug/l

Time:			12:26		12:29		13:07		13:24	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.032	<0.20	-0.038	<0.20	-0.035	<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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34168 Units: ug/l

Time: / Sample ID:			13:40 CCB4		13:57 CCB5		14:13 CCB6		14:30 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.034	<0.20	-0.035	<0.20	-0.031	<0.20	-0.035	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

10.2.1
10

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA34168 Units: ug/l

Time: / Sample ID:			14:47 CCB8		15:03 CCB9		15:21 CCB10		16:08 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.021	<0.20	-0.024	<0.20	-0.023	<0.20	-0.029	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 95 to 105 % Recovery Run ID: MA34168 Units: ug/l

Time:		12:28	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34168 Units: ug/l

Time:		12:25			13:06			13:23	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.9	96.7	2.5	2.5	100.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

10.2.3 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34168 Units: ug/l

Time:		13:39			13:55			14:12	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.6	104.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

10.2.3 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34168 Units: ug/l

Time:		14:28			14:46			15:02	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34168 Units: ug/l

Time:		15:19			16:07	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8060514W1.CSV Date Analyzed: 06/05/14 Methods: EPA 245.1, SW846 7470A
QC Limits: to % Recovery Run ID: MA34168 Units: ug/l

Time:		12:31		15:39	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Mercury	0.20	0.21	105.0	0.20	100.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:39	MA34171-STD1	1		STDA
10:43	MA34171-STD2	1		STDB
10:46	ZZZZZZ	1		
10:49	ZZZZZZ	1		
10:52	ZZZZZZ	1		
10:56	MA34171-ICV1	1		
10:59	MA34171-ICB1	1		
11:03	MA34171-CCV1	1		
11:05	MA34171-CCB1	1		
11:09	MA34171-CRI1	1		
11:12	MA34171-CRID1	1		
11:15	MA34171-CRIA1	1		
11:18	MA34171-CRID2	1		
11:21	MA34171-CRI2	1		
11:25	MA34171-ICSA1	1		
11:28	MA34171-ICSAB1	1		
11:31	MA34171-CCV2	1		
11:34	MA34171-CCB2	1		
11:37	ZZZZZZ	1		
11:40	ZZZZZZ	1		
11:43	ZZZZZZ	1		
11:46	MP79719-S1	3		
11:50	MP79719-S2	3		
11:53	JB67667-2A	3		(sample used for QC only; not part of login JB68173)
11:56	MP79719-SD1	15		
11:59	ZZZZZZ	1		
12:02	MP79830-MB1	1		
12:06	MP79830-MB2	1		
12:09	MA34171-CCV3	1		
12:12	MA34171-CCB3	1		
12:15	MP79830-LC1	1		
12:18	MP79830-LC2	1		
12:21	MP79830-S1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:24	MP79830-S2	1		
12:27	JB68110-2	1		(sample used for QC only; not part of login JB68173)
12:30	MP79830-SD1	5		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:43	MA34171-CCV4	1		
12:46	MA34171-CCB4	1		
12:49	ZZZZZZ	3		
12:52	JB68173-15	1		
---------->	Last reportable sample/prep for job JB68173			
12:56	ZZZZZZ	1		
12:59	MP79841-S1	5		
13:02	MP79841-S2	5		
13:05	JB68170-2AB	5		(sample used for QC only; not part of login JB68173)
13:08	MP79841-SD1	25		
13:11	ZZZZZZ	5		
13:14	ZZZZZZ	10		
13:18	MA34171-CCV5	1		
13:21	MA34171-CCB5	1		
13:24	ZZZZZZ	10		
13:27	ZZZZZZ	1		
13:30	ZZZZZZ	2		
13:33	ZZZZZZ	2		
13:36	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:51	MP79796-S1	5		
13:54	MP79796-S2	5		
13:58	MA34171-CCV6	1		
14:00	MA34171-CCB6	1		
14:04	JB67923-1A	5		(sample used for QC only; not part of login JB68173)
14:07	MP79796-SD1	25		
14:10	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:13	ZZZZZZ	20		
14:16	ZZZZZZ	2		
14:19	ZZZZZZ	2		
14:22	ZZZZZZ	25		
14:25	ZZZZZZ	2		
14:28	ZZZZZZ	5		
14:32	MA34171-CCV7	1		
14:35	MA34171-CCB7	1		
14:38	MA34171-CRI3	1		
14:41	MA34171-CRID3	1		
14:44	MA34171-CRIA2	1		
14:47	ZZZZZZ	15		
14:50	MA34171-ICSA2	1		
14:54	MA34171-ICSAB2	1		
14:57	MA34171-CCV8	1		
15:00	MA34171-CCB8	1		
---------->	Last reportable CCB for job JB68173			
15:03	MA34171-CRI4	1		
15:06	ZZZZZZ	2		
15:15	ZZZZZZ	5		
15:19	ZZZZZZ	1		
15:22	MP79867-S1	5		
15:25	MP79867-S2	5		
15:28	JB67941-1	5		(sample used for QC only; not part of login JB68173)
15:31	MP79867-SD1	25		
15:34	ZZZZZZ	10		
15:37	MA34171-CCV9	1		
15:40	MA34171-CCB9	1		
16:45	MA34171-CCV10	1		
16:47	MA34171-CCB10	1		
16:51	MP79841-MB2	1		
16:54	MP79841-LC1	1		
16:57	ZZZZZZ	1		
17:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:03	ZZZZZZ	1		
17:06	ZZZZZZ	1		
17:09	ZZZZZZ	1		
17:13	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:19	MA34171-CCV11	1		
17:22	MA34171-CCB11	1		
17:25	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:31	MP79869-MB1	1		
17:35	MP79869-B1	1		
17:38	MP79869-S1	1		
17:41	MP79869-S2	1		
17:44	JB67999-11A	1		(sample used for QC only; not part of login JB68173)
17:47	MP79869-SD1	5		
17:50	ZZZZZZ	1		
17:53	MA34171-CCV12	1		
17:56	MA34171-CCB12	1		
17:59	ZZZZZZ	1		
18:02	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:08	ZZZZZZ	1		
18:11	ZZZZZZ	1		
18:14	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:23	ZZZZZZ	1		
18:26	MA34171-CCV13	1		
18:29	MA34171-CCB13	1		
18:33	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:39	ZZZZZZ	1		
18:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
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Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:45	ZZZZZZ	1		
18:48	MP79858-MB1	1		
18:51	MP79858-B1	1		
18:54	MP79858-S1	1		
18:57	MP79858-S2	1		
19:00	MA34171-CCV14	1		
19:03	MA34171-CCB14	1		
19:07	JB68216-1	1		(sample used for QC only; not part of login JB68173)
19:10	MP79858-SD1	5		
19:13	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:36	MA34171-CCV15	1		
19:39	MA34171-CCB15	1		
19:42	MA34171-CRI5	1		
19:45	MA34171-CRID4	1		
19:48	MA34171-CRIA3	1		
19:51	MA34171-CCV16	1		
19:54	MA34171-CCB16	1		
19:57	ZZZZZZ	1		
20:01	ZZZZZZ	1		
20:04	MP79857-MB1	1		CCB empty
20:07	MP79857-B1	1		CCB empty
20:10	MP79857-S1	1		CCB empty
20:13	MP79857-S2	1		CCB empty
20:16	JB68196-1	1		(sample used for QC only; not part of login JB68173)
20:20	MP79857-SD1	5		CCB empty
20:23	MP79877-MB1	1		CCB empty
20:26	MA34171-CCV17	1		CCB empty

Accutest Laboratories Instrument Runlog
Inorganics Analyses

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File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:29	MA34171-CCB17	1		CCB empty
20:32	MP79877-MB2	1		CCB empty
20:35	MP79877-LC1	1		CCB empty
20:38	MP79877-LC2	1		CCB empty
20:41	MP79877-S1	1		CCB empty
20:45	MP79877-S2	1		CCB empty
20:48	JB68250-1	1		(sample used for QC only; not part of login JB68173)
20:51	MP79877-SD1	5		CCB empty
20:54	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:01	MA34171-CCV18	1		
21:03	MA34171-CCB18	1		
21:07	ZZZZZZ	1		
21:10	ZZZZZZ	1		
21:13	ZZZZZZ	1		
21:16	ZZZZZZ	1		
21:19	ZZZZZZ	1		
21:22	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:29	ZZZZZZ	1		
21:32	ZZZZZZ	1		
21:35	MA34171-CCV19	1		CCB empty
21:38	MA34171-CCB19	1		CCB empty
21:41	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:54	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:00	ZZZZZZ	1		
22:05	ZZZZZZ	10		
22:09	MA34171-CCV20	1		
22:12	MA34171-CCB20	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

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File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:15	MA34171-CRI6	1		
22:18	MA34171-CRID5	1		
22:21	MA34171-CRIA4	1		
22:24	MA34171-CCV21	1		
22:27	MA34171-CCB21	1		
22:30	ZZZZZZ	1		
22:34	ZZZZZZ	1		
22:37	ZZZZZZ	1		
22:40	ZZZZZZ	1		
22:43	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:50	ZZZZZZ	1		
22:53	ZZZZZZ	1		
22:56	ZZZZZZ	1		
22:59	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:39	MA34171-STD1	2265 R	90286 R	16184 R	4799 R
10:43	MA34171-STD2	2136	84111	16160	4210
10:46	ZZZZZZ	2194	87406	16380	4370
10:49	ZZZZZZ	2295	999999 !	16309	4851
10:52	ZZZZZZ	4543 !	999999 !	999999 !	9614 !
10:56	MA34171-ICV1	2211	86494	16399	4400
10:59	MA34171-ICB1	2267	90522	16476	4794
11:03	MA34171-CCV1	2183	85759	16289	4346
11:05	MA34171-CCB1	2273	90554	16417	4805
11:09	MA34171-CRI1	No results reported for the elements associated with this internal standard.			
11:12	MA34171-CRID1	No results reported for the elements associated with this internal standard.			
11:15	MA34171-CRIA1	2285	90572	16417	4820
11:18	MA34171-CRID2	2283	90281	16355	4806
11:21	MA34171-CRI2	2268	89357	16350	4725
11:25	MA34171-ICSA1	2020	78268	15820	3898
11:28	MA34171-ICSAB1	2024	78468	15794	3909
11:31	MA34171-CCV2	2198	85692	16154	4368
11:34	MA34171-CCB2	2284	90460	16320	4823
11:37	ZZZZZZ	2256	89202	16452	4658
11:40	ZZZZZZ	2304	91233	16611	4781
11:43	ZZZZZZ	2049	78827	999999 !	3835
11:46	MP79719-S1	2066	82433	16140	4058
11:50	MP79719-S2	2051	81929	16005	4035
11:53	JB67667-2A	2059	81551	15985	4041
11:56	MP79719-SD1	2191	86276	16085	4473
11:59	ZZZZZZ	2322	90115	16405	4948
12:02	MP79830-MB1	2294	89836	16399	4843
12:06	MP79830-MB2	2300	90321	16552	4854
12:09	MA34171-CCV3	2201	85435	16197	4370
12:12	MA34171-CCB3	2284	89827	16267	4814
12:15	MP79830-LC1	2242	88680	16496	4629
12:18	MP79830-LC2	2253	88823	16454	4653
12:21	MP79830-S1	2220	87072	16344	4433

INTERNAL STANDARD SUMMARY

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File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:24	MP79830-S2	2208	86822	16219	4415
12:27	JB68110-2	2235	88030	16175	4592
12:30	MP79830-SD1	2262	88986	16024	4748
12:33	ZZZZZZ	2286	90137	16295	4824
12:37	ZZZZZZ	2017	76962	15649	3748
12:40	ZZZZZZ	2357	91587	16552	5012
12:43	MA34171-CCV4	2189	84712	15949	4343
12:46	MA34171-CCB4	2295	89808	16159	4830
12:49	ZZZZZZ	2135	82083	15795	4102
12:52	JB68173-15	2301	90578	16374	4853
12:56	ZZZZZZ	2306	90683	16281	4869
12:59	MP79841-S1	2154	86146	15903	4358
13:02	MP79841-S2	2194	86284	15989	4436
13:05	JB68170-2AB	2184	85737	15716	4402
13:08	MP79841-SD1	2268	88636	16004	4720
13:11	ZZZZZZ	2186	86051	16007	4407
13:14	ZZZZZZ	2242	88525	16192	4597
13:18	MA34171-CCV5	2192	85226	15999	4346
13:21	MA34171-CCB5	2287	90232	15982	4818
13:24	ZZZZZZ	2243	88395	16241	4586
13:27	ZZZZZZ	2317	90910	16284	4881
13:30	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:33	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:36	ZZZZZZ	2427	95961	17309	4465
13:39	ZZZZZZ	3956 !	999999 !	999999 !	8374 !
13:48	ZZZZZZ	2314	90791	16252	4882
13:51	MP79796-S1	2240	88986	16181	4623
13:54	MP79796-S2	2279	88639	16178	4691
13:58	MA34171-CCV6	2213	84916	15736	4384
14:00	MA34171-CCB6	2297	89622	15985	4833
14:04	JB67923-1A	2299	90046	16259	4780
14:07	MP79796-SD1	2306	89700	15735	4819
14:10	ZZZZZZ	2243	87081	16571	4646

INTERNAL STANDARD SUMMARY

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Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:13	ZZZZZZ	2310	89936	16154	4811
14:16	ZZZZZZ	2293	89457	16622	4724
14:19	ZZZZZZ	2299	89507	16100	4668
14:22	ZZZZZZ	2321	89806	15945	4820
14:25	ZZZZZZ	2284	89151	16135	4652
14:28	ZZZZZZ	2280	88357	15937	4647
14:32	MA34171-CCV7	2205	85369	15786	4374
14:35	MA34171-CCB7	2303	89728	15853	4845
14:38	MA34171-CRI3	2284	88575	15902	4746
14:41	MA34171-CRID3	2296	89186	15917	4814
14:44	MA34171-CRIA2	2303	89844	15947	4842
14:47	ZZZZZZ	2295	89531	15833	4808
14:50	MA34171-ICSA2	2032	77978	15435	3906
14:54	MA34171-ICSAB2	2019	77727	15278	3884
14:57	MA34171-CCV8	2202	84998	15600	4356
15:00	MA34171-CCB8	2296	89657	15957	4827
15:03	MA34171-CRI4	2270	88654	15779	4712
15:06	ZZZZZZ	2256	88218	15931	4558
15:15	ZZZZZZ	2288	88369	15917	4676
15:19	ZZZZZZ	2318	90646	16114	4879
15:22	MP79867-S1	2229	87155	15793	4642
15:25	MP79867-S2	2235	86874	15707	4646
15:28	JB67941-1	2225	86704	15629	4662
15:31	MP79867-SD1	2292	89223	15816	4773
15:34	ZZZZZZ	2222	89735	15857	4754
15:37	MA34171-CCV9	2239	86680	15766	4432
15:40	MA34171-CCB9	2322	90130	15655	4876
16:45	MA34171-CCV10	2235	86907	15581	4434
16:47	MA34171-CCB10	2342	90204	15830	4926
16:51	MP79841-MB2	2350	91370	15914	4958
16:54	MP79841-LC1	2305	89734	16677	4748
16:57	ZZZZZZ	2344	92257	16036	4899
17:00	ZZZZZZ	2326	91068	16106	4803

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:03	ZZZZZZ	2329	91463	16028	4867
17:06	ZZZZZZ	2346	91436	16119	4917
17:09	ZZZZZZ	2322	91087	15992	4870
17:13	ZZZZZZ	2319	91524	15986	4857
17:16	ZZZZZZ	2332	91149	16074	4888
17:19	MA34171-CCV11	2229	86387	15625	4414
17:22	MA34171-CCB11	2314	90045	15780	4864
17:25	ZZZZZZ	2312	91058	15938	4854
17:28	ZZZZZZ	2311	89738	15890	4829
17:31	MP79869-MB1	2324	91081	16076	4889
17:35	MP79869-B1	2273	88229	15972	4597
17:38	MP79869-S1	2362	90872	17020	4465
17:41	MP79869-S2	2355	91459	17035	4453
17:44	JB67999-11A	2395	92979	16728	4601
17:47	MP79869-SD1	2321	89599	15851	4731
17:50	ZZZZZZ	2320	89701	16420	4627
17:53	MA34171-CCV12	2219	85725	15402	4390
17:56	MA34171-CCB12	2304	89502	15673	4844
17:59	ZZZZZZ	2347	90491	16390	4661
18:02	ZZZZZZ	2389	92702	16388	4550
18:05	ZZZZZZ	2364	91253	16370	4604
18:08	ZZZZZZ	2393	92788	16740	4650
18:11	ZZZZZZ	2341	90897	16508	4596
18:14	ZZZZZZ	2386	91569	16771	4599
18:17	ZZZZZZ	2333	89863	16515	4569
18:20	ZZZZZZ	2328	89841	16354	4568
18:23	ZZZZZZ	2282	999999 !a	16125	4570
18:26	MA34171-CCV13	2206	85266	15374	4371
18:29	MA34171-CCB13	2294	89179	15375	4826
18:33	ZZZZZZ	2197	85876	15959	4493
18:36	ZZZZZZ	2309	89426	16295	4555
18:39	ZZZZZZ	2298	89119	15854	4601
18:42	ZZZZZZ	2361	90233	16455	4618

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:45	ZZZZZZ	2325	89373	16015	4605
18:48	MP79858-MB1	2112	79374	15694	3934
18:51	MP79858-B1	2108	79473	15613	3918
18:54	MP79858-S1	2055	78977	15533	3845
18:57	MP79858-S2	2050	78829	15532	3841
19:00	MA34171-CCV14	2219	84914	15338	4391
19:03	MA34171-CCB14	2312	89541	15468	4857
19:07	JB68216-1	2050	78764	15592	3845
19:10	MP79858-SD1	2200	84791	15393	4308
19:13	ZZZZZZ	2285	82443	16128	4187
19:16	ZZZZZZ	2038	78174	15431	3782
19:19	ZZZZZZ	2037	77652	15464	3764
19:23	ZZZZZZ	2020	77696	15379	3753
19:26	ZZZZZZ	2052	78200	15389	3814
19:29	ZZZZZZ	2003	77243	15296	3739
19:32	ZZZZZZ	2060	78622	15578	3852
19:36	MA34171-CCV15	2197	84388	15192	4358
19:39	MA34171-CCB15	2284	88564	15387	4806
19:42	MA34171-CRI5	2242	87694	15396	4668
19:45	MA34171-CRID4	2274	88119	15247	4778
19:48	MA34171-CRIA3	2288	88834	15350	4814
19:51	MA34171-CCV16	2193	84509	15222	4343
19:54	MA34171-CCB16	2290	88758	15377	4817
19:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:01	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:04	MP79857-MB1	No results reported for the elements associated with this internal standard.			
20:07	MP79857-B1	No results reported for the elements associated with this internal standard.			
20:10	MP79857-S1	No results reported for the elements associated with this internal standard.			
20:13	MP79857-S2	No results reported for the elements associated with this internal standard.			
20:16	JB68196-1	No results reported for the elements associated with this internal standard.			
20:20	MP79857-SD1	No results reported for the elements associated with this internal standard.			
20:23	MP79877-MB1	No results reported for the elements associated with this internal standard.			
20:26	MA34171-CCV17	No results reported for the elements associated with this internal standard.			

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:29	MA34171-CCB17	No results reported for the elements associated with this internal standard.			
20:32	MP79877-MB2	No results reported for the elements associated with this internal standard.			
20:35	MP79877-LC1	No results reported for the elements associated with this internal standard.			
20:38	MP79877-LC2	No results reported for the elements associated with this internal standard.			
20:41	MP79877-S1	No results reported for the elements associated with this internal standard.			
20:45	MP79877-S2	No results reported for the elements associated with this internal standard.			
20:48	JB68250-1	No results reported for the elements associated with this internal standard.			
20:51	MP79877-SD1	No results reported for the elements associated with this internal standard.			
20:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:01	MA34171-CCV18	No results reported for the elements associated with this internal standard.			
21:03	MA34171-CCB18	No results reported for the elements associated with this internal standard.			
21:07	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:10	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:13	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:19	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:29	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:35	MA34171-CCV19	No results reported for the elements associated with this internal standard.			
21:38	MA34171-CCB19	No results reported for the elements associated with this internal standard.			
21:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:44	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:48	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:51	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
21:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
22:00	ZZZZZZ	No results reported for the elements associated with this internal standard.			
22:05	ZZZZZZ	No results reported for the elements associated with this internal standard.			
22:09	MA34171-CCV20	No results reported for the elements associated with this internal standard.			
22:12	MA34171-CCB20	No results reported for the elements associated with this internal standard.			

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34171
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:15	MA34171-CRI6	2285	88597	15220	4749
22:18	MA34171-CRID5	2301	89201	15221	4829
22:21	MA34171-CRIA4	2310	89010	15175	4862
22:24	MA34171-CCV21	2209	84968	15026	4380
22:27	MA34171-CCB21	2299	89228	15211	4842
22:30	ZZZZZZ	2281	88319	15177	4809
22:34	ZZZZZZ	2317	89855	15214	4889
22:37	ZZZZZZ	2308	89430	15231	4855
22:40	ZZZZZZ	2306	89681	15313	4849
22:43	ZZZZZZ	2269	89373	15262	4835
22:46	ZZZZZZ	2313	89078	15277	4857
22:50	ZZZZZZ	2278	83515	15650	4379
22:53	ZZZZZZ	2141	83578	14834	4205
22:56	ZZZZZZ	2323	90068	15258	4877
22:59	ZZZZZZ	2321	89520	15229	4888

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34171 Units: ug/l

Time:			10:59		11:05		11:34		12:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.01	anr							
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	anr							
Calcium	5000	6	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	1.6	anr							
Iron	100	1.2	anr							
Lead	3.0	1.3	anr							
Lithium	20	2								
Magnesium	5000	14	anr							
Manganese	15	.04	anr							
Molybdenum	20	.3								
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	-3.8	<10	-1.9	<10	-1.5	<10	-0.20	<10
Silicon	200	2								
Silver	10	.5	anr							
Sodium	10000	5.9	anr							
Sulfur	50	2.8								
Strontium	10	.04								
Thallium	2.0	1.9	anr							
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34171 Units: ug/l

Time:			10:59		11:05		11:34		12:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34171 Units: ug/l

Time: / Sample ID:			12:46 CCB4		13:21 CCB5		14:00 CCB6		14:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.01	anr							
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	anr							
Calcium	5000	6	anr							
Chromium	10	.3	anr							
Cobalt	50	.3	anr							
Copper	10	1.6	anr							
Iron	100	1.2	anr							
Lead	3.0	1.3	anr							
Lithium	20	2								
Magnesium	5000	14	anr							
Manganese	15	.04	anr							
Molybdenum	20	.3								
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	0.70	<10	-0.40	<500	-1.4	<500	-2.5	<500
Silicon	200	2								
Silver	10	.5	anr							
Sodium	10000	5.9	anr							
Sulfur	50	2.8								
Strontium	10	.04								
Thallium	2.0	1.9	anr							
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34171 Units: ug/l

Time: / Sample ID:			12:46 CCB4		13:21 CCB5		14:00 CCB6		14:35 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34171 Units: ug/l

Time:			15:00	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	4.8	anr	
Antimony	6.0	1.1	anr	
Arsenic	3.0	1	anr	
Barium	200	.2	anr	
Beryllium	1.0	.01	anr	
Bismuth	20	1.6		
Boron	100	6		
Cadmium	3.0	.2	anr	
Calcium	5000	6	anr	
Chromium	10	.3	anr	
Cobalt	50	.3	anr	
Copper	10	1.6	anr	
Iron	100	1.2	anr	
Lead	3.0	1.3	anr	
Lithium	20	2		
Magnesium	5000	14	anr	
Manganese	15	.04	anr	
Molybdenum	20	.3		
Nickel	10	.5	anr	
Palladium	50	.9		
Potassium	10000	24	anr	
Selenium	10	2.6	-3.9	<500
Silicon	200	2		
Silver	10	.5	anr	
Sodium	10000	5.9	anr	
Sulfur	50	2.8		
Strontium	10	.04		
Thallium	2.0	1.9	anr	
Tin	10	.7		
Titanium	10	.4		
Tungsten	50	.7		
Vanadium	50	.2	anr	
Zinc	20	.3	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34171 Units: ug/l

Time:			15:00	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zirconium	10	.1		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34171 Units: ug/l

Time:		10:56			11:03			11:31	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	2000	1990	99.5	2000	1990	99.5	2000	1970	98.5
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34171 Units: ug/l

Time:		10:56			11:03			11:31	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34171 Units: ug/l

Time:		12:09			12:43			13:18	
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									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	2000	1960	98.0	2000	1960	98.0	2000	1960	98.0
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34171 Units: ug/l

Time:		12:09			12:43			13:18	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34171 Units: ug/l

Time:		13:58			14:32			14:57	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	2000	1920	96.0	2000	1920	96.0	2000	1920	96.0
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

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ACCUTEST LABORATORIES
JB68173

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34171 Units: ug/l

Time:		13:58			14:32			14:57	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34171 Units: ug/l

Time:				11:15		11:18		11:21	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRID2		CRI2	
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						
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		anr					
Lead	3.0	20	2.5	anr					
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	18.2	91.0	5.5	110.0	11.7	117.0
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34171 Units: ug/l

Time:				11:15		11:18		11:21	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRID2		CRI2	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34171 Units: ug/l

Time:				14:38		14:41		14:44	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		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								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	12.0	120.0			18.2	91.0
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34171 Units: ug/l

Time:				14:38		14:41		14:44	
Sample ID:	CRI	CRIA	CRID	CRI3		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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34171 Units: ug/l

Time:			11:25		11:28		14:50		14:54	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	485000	97.0	489000	97.8	479000	95.8	481000	96.2
Antimony		1000	-2.5		1010	101.0	-0.90		1010	101.0
Arsenic		1000	-2.0		1050	105.0	-3.3		1050	105.0
Barium		500	-1.1		477	95.4	-0.60		473	94.6
Beryllium		500	-0.30		478	95.6	-0.20		477	95.4
Bismuth		500	24.4		540	108.0	21.9		536	107.2
Boron			-3.9		-1.4		-4.0		-1.0	
Cadmium		1000	0.90		981	98.1	0.80		966	96.6
Calcium	400000	400000	374000	93.5	376000	94.0	364000	91.0	367000	91.8
Chromium		500	0.20		484	96.8	0.80		486	97.2
Cobalt		500	-0.20		475	95.0	-0.40		480	96.0
Copper		500	0.70		504	100.8	-0.50		500	100.0
Iron	200000	200000	190000	95.0	188000	94.0	185000	92.5	184000	92.0
Lead		1000	-0.30		944	94.4	0.80		950	95.0
Lithium		500	11.8		531	106.2	11.4		526	105.2
Magnesium	500000	500000	511000	102.2	521000	104.2	506000	101.2	520000	104.0
Manganese		500	-0.20		490	98.0	-1.2		491	98.2
Molybdenum		500	-0.30		492	98.4	-0.50		489	97.8
Nickel		1000	1.9		964	96.4	1.0		979	97.9
Palladium		500	20.5		548	109.6	20.9		538	107.6
Potassium			152		133		209		166	
Selenium		1000	-7.4		1020	102.0	-4.2		1020	102.0
Silicon			-16		-15		-16		-13	
Silver		1000	5.4		1010	101.0	1.8		1000	100.0
Sodium			-3.2		10.2		0.60		13.9	
Sulfur		500	-7.4		483	96.6	34.8		531	106.2
Strontium			-5.3		-5.2		-5.0		-4.6	
Thallium		1000	-1.7		928	92.8	-0.30		916	91.6
Tin			-1.8		-1.4		-1.6		-1.1	
Titanium			2.2		2.2		2.1		2.7	
Tungsten		500	8.5		606	121.2*	8.0		601	120.2*
Vanadium		500	1.2		470	94.0	1.0		470	94.0
Zinc		1000	-7.2		938	93.8	-6.5		943	94.3

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE060514M1.ICP Date Analyzed: 06/05/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34171 Units: ug/l

Time:			11:25		11:28		14:50		14:54	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-0.80		568	113.6	-1.3		567	113.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
18:12	MA34179-STD1	1		STDA
18:19	MA34179-STD2	1		STDB
18:25	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:39	MA34179-ICV1	1		
18:50	MA34179-ICB1	1		
18:55	MA34179-ICCV1	1		
19:09	MA34179-CCB1	1		
19:18	MA34179-CRI1	1		
19:24	MA34179-CRID1	1		
19:30	MA34179-CRIA1	1		
19:37	MA34179-CRID2	1		
19:43	MA34179-ICSA1	1		
19:49	MA34179-ICSAB1	1		
19:56	ZZZZZZ	1		
20:02	ZZZZZZ	1		
20:08	MA34179-CCV1	1		
20:14	MA34179-CCB2	1		
20:21	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:17	MA34179-CCV2	1		
21:23	MA34179-CCB3	1		
21:30	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:50	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
21:56	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:09	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:28	MA34179-CCV3	1		
22:34	MA34179-CCB4	1		
22:41	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:53	ZZZZZZ	1		
22:59	ZZZZZZ	1		
23:06	ZZZZZZ	1		
23:12	MP79847-MB2	1		
23:18	MP79847-LC2	1		
23:24	MP79847-S1	1		
23:31	MP79847-S2	1		
23:37	MA34179-CCV4	1		
23:43	MA34179-CCB5	1		
23:49	JB68239-1	1		(sample used for QC only; not part of login JB68173)
23:55	MP79847-SD1	5		
00:02	MP79847-S3	1		
00:08	ZZZZZZ	3		
00:14	ZZZZZZ	1		
00:20	ZZZZZZ	1		
00:27	ZZZZZZ	1		
00:33	ZZZZZZ	1		
00:39	ZZZZZZ	1		
00:45	MA34179-CCV5	1		
00:51	MA34179-CCB6	1		
00:58	MA34179-CRI2	1		
01:04	MA34179-CRID3	1		
01:10	MA34179-CRIA2	1		
01:17	ZZZZZZ	3		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
01:23	MA34179-ICSA2	1		
01:29	MA34179-ICSAB2	1		
01:36	ZZZZZZ	1		
01:42	ZZZZZZ	1		
01:48	ZZZZZZ	1		
01:55	MA34179-CCV6	1		
02:01	MA34179-CCB7	1		
02:07	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:20	ZZZZZZ	2		
02:26	ZZZZZZ	5		
02:32	ZZZZZZ	5		
02:38	ZZZZZZ	10		
02:45	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:57	MP79830-MB3	1		
03:04	MP79830-MB4	1		
03:10	MA34179-CCV7	1		
03:16	MA34179-CCB8	1		
03:22	MP79830-LC3	1		
03:28	MP79830-LC4	1		
03:35	ZZZZZZ	1		
03:41	MP79888-MB1	1		CRI out
03:47	MP79888-MB2	1		CRI out
03:53	MP79888-LC1	1		CRI out
04:00	MP79888-LC2	1		CRI out
04:06	MP79888-S1	1		CRI out
04:12	MP79888-S2	1		CRI out
04:18	JB68374-7A	1		(sample used for QC only; not part of login JB68173)
04:24	MA34179-CCV8	1		
04:30	MA34179-CCB9	1		
04:36	MP79888-SD1	5		CRI out
04:43	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
04:49	ZZZZZZ	1		
04:55	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:07	ZZZZZZ	1		
05:14	ZZZZZZ	1		
05:20	MP79889-MB1	1		
05:26	MP79889-LC1	1		
05:32	MP79889-S1	1		
05:38	MA34179-CCV9	1		
05:44	MA34179-CCB10	1		
05:51	MP79889-S2	1		
05:57	JB68220-1	1		(sample used for QC only; not part of login JB68173)
06:03	MP79889-SD1	5		
06:09	ZZZZZZ	1		
06:15	ZZZZZZ	1		
06:22	ZZZZZZ	1		
06:28	ZZZZZZ	1		
06:34	ZZZZZZ	1		
06:40	ZZZZZZ	1		
06:47	ZZZZZZ	1		
06:53	MA34179-CCV10	1		
06:59	MA34179-CCB11	1		
07:05	ZZZZZZ	1		
07:11	ZZZZZZ	1		
07:18	ZZZZZZ	1		
07:24	ZZZZZZ	1		
07:30	ZZZZZZ	1		
07:36	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:49	ZZZZZZ	1		
07:55	ZZZZZZ	1		
08:02	ZZZZZZ	1		
08:08	MA34179-CCV11	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
08:14	MA34179-CCB12	1		
08:20	ZZZZZZ	1		
08:27	ZZZZZZ	1		
08:33	MP79887-MB1	1		CRI out
08:39	MP79887-B1	1		CRI out
08:45	MP79887-S1	1		CRI out. To redigest for Cr
08:51	MP79887-S2	1		CRI out. To redigest for Cr
08:57	JB68264-9	1		(sample used for QC only; not part of login JB68173)
09:04	MP79887-SD1	5		CRI out. To redigest for Cr
09:10	ZZZZZZ	1		
09:16	JB68173-1	1		CRI out
09:22	MA34179-CCV12	1		
09:28	MA34179-CCB13	1		
09:35	MA34179-CRI3	1		
09:41	MA34179-CRID4	1		
09:47	MA34179-CRIA3	1		
09:54	ZZZZZZ	1		
10:00	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:19	MA34179-CCV13	1		
10:25	MA34179-CCB14	1		
10:31	JB68173-2	1		CCV out
10:37	JB68173-3	1		CCV out
10:44	JB68173-4	1		CCV out
10:50	JB68173-5	1		CCV out
10:56	JB68173-6	1		CCV out
11:02	JB68173-7	1		CCV out
11:08	JB68173-8	1		CCV out
11:14	JB68173-9	1		CCV out
11:20	JB68173-10	1		CCV out
11:27	MA34179-CCV14	1		
11:33	MA34179-CCB15	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
	11:39	JB68173-11	1		CCV out
	11:45	JB68173-12	1		CCV out
	11:51	JB68173-13	1		CCV out
	11:57	JB68173-14	1		CCV out
---------->		Last reportable sample/prep for job JB68173			
	12:04	ZZZZZZ	1		
	12:10	ZZZZZZ	1		
	12:16	ZZZZZZ	1		
	12:22	MA34179-CCV15	1		
	12:28	MA34179-CCB16	1		
	12:34	MA34179-CRI4	1		
	12:41	MA34179-CRID5	1		
	12:47	MA34179-CRIA4	1		
	12:53	MA34179-CCV16	1		
	12:59	MA34179-CCB17	1		
---------->		Last reportable CCB for job JB68173			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
18:12	MA34179-STD1	1806 R	86621 R	14521 R	5973 R
18:19	MA34179-STD2	1684	79046	14143	5154
18:25	ZZZZZZ	1723	78971	14359	5310
18:31	ZZZZZZ	1800	85050	14504	5958
18:39	MA34179-ICV1	1722	81949	14343	5330
18:50	MA34179-ICB1	1801	86040	14433	5965
18:55	MA34179-ICCV1	1720	80908	14309	5318
19:09	MA34179-CCB1	1794	85962	14401	5939
19:18	MA34179-CRI1	1771	85154	14463	5795
19:24	MA34179-CRID1	No results reported for the elements associated with this internal standard.			
19:30	MA34179-CRIA1	1794	84354	14580	5919
19:37	MA34179-CRID2	1801	87615	14544	5964
19:43	MA34179-ICSA1	1565	73752	13713	4675
19:49	MA34179-ICSAB1	1578	73733	14033	4711
19:56	ZZZZZZ	1742	82819	14299	5844
20:02	ZZZZZZ	1763	84405	14322	5931
20:08	MA34179-CCV1	1731	81686	14350	5355
20:14	MA34179-CCB2	1785	85715	14331	5909
20:21	ZZZZZZ	1784	85950	14411	5909
20:27	ZZZZZZ	1786	85233	14354	5915
20:33	ZZZZZZ	1796	85721	14491	5931
20:39	ZZZZZZ	1819	88082	14550	6037
20:46	ZZZZZZ	1807	86388	14540	5986
20:52	ZZZZZZ	1802	85714	14606	5964
20:58	ZZZZZZ	1791	85841	14477	5923
21:04	ZZZZZZ	1779	84036	14436	5876
21:11	ZZZZZZ	1788	84061	14490	5898
21:17	MA34179-CCV2	1701	78991	14256	5257
21:23	MA34179-CCB3	1774	84081	14533	5856
21:30	ZZZZZZ	1473	79763	14270	6005
21:36	ZZZZZZ	1625	83374	14634	5909
21:43	ZZZZZZ	1731	84452	14675	5899
21:50	ZZZZZZ	1374	66471	13168	4366

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
21:56	ZZZZZZ	1408	68289	13367	4370
22:03	ZZZZZZ	1479	71241	13551	4479
22:09	ZZZZZZ	1758	80716	14601	5790
22:16	ZZZZZZ	1741	78888	14713	5740
22:22	ZZZZZZ	1752	80423	14810	5769
22:28	MA34179-CCV3	1677	78797	14588	5209
22:34	MA34179-CCB4	1743	84357	14827	5792
22:41	ZZZZZZ	1740	84729	14767	5806
22:47	ZZZZZZ	1709	83905	14646	5720
22:53	ZZZZZZ	1632	78352	14325	5095
22:59	ZZZZZZ	1714	80506	15067	5714
23:06	ZZZZZZ	1707	82541	14960	5799
23:12	MP79847-MB2	1668	80966	14884	5685
23:18	MP79847-LC2	1661	79913	14885	5484
23:24	MP79847-S1	1605	77312	14806	5091
23:31	MP79847-S2	1597	77145	14732	5064
23:37	MA34179-CCV4	1634	78497	14623	5152
23:43	MA34179-CCB5	1718	84247	14981	5768
23:49	JB68239-1	1625	81030	15020	5254
23:55	MP79847-SD1	1669	81115	14638	5539
00:02	MP79847-S3	1512	74449	14423	4662
00:08	ZZZZZZ	1518	74482	14268	4621
00:14	ZZZZZZ	1646	81136	14911	5498
00:20	ZZZZZZ	1609	80311	14958	5204
00:27	ZZZZZZ	1628	79350	14741	5252
00:33	ZZZZZZ	1685	82958	14846	5689
00:39	ZZZZZZ	1684	82465	14593	5664
00:45	MA34179-CCV5	1650	79222	14574	5187
00:51	MA34179-CCB6	1706	80893	14693	5701
00:58	MA34179-CRI2	1681	80171	14817	5552
01:04	MA34179-CRID3	1713	81654	14767	5722
01:10	MA34179-CRIA2	1719	81681	14803	5755
01:17	ZZZZZZ	1709	83418	14798	5708

10.4.1
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ACCUTEST LABORATORIES
JB68173

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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	
01:23	MA34179-ICSA2	1503	72625	13995	4560	
01:29	MA34179-ICSAB2	1500	72813	13978	4562	
01:36	ZZZZZZ	1700	82590	14700	5691	
01:42	ZZZZZZ	1715	82427	14688	5758	
01:48	ZZZZZZ	1650	79205	14499	5256	
01:55	MA34179-CCV6	1644	78693	14566	5166	
02:01	MA34179-CCB7	1698	81331	14550	5693	
02:07	ZZZZZZ	1704	83275	14906	5759	
02:13	ZZZZZZ	1808	87638	14873	5198	
02:20	ZZZZZZ	1760	85201	14695	5366	
02:26	ZZZZZZ	1591	74369	14196	4923	
02:32	ZZZZZZ	1403	65185	13530	4136	!a
02:38	ZZZZZZ	1518	71626	14151	4532	
02:45	ZZZZZZ	1700	82804	14747	5709	
02:51	ZZZZZZ	1608	77833	14413	5226	
02:57	MP79830-MB3	1698	83934	14794	5735	
03:04	MP79830-MB4	1697	84264	14802	5736	
03:10	MA34179-CCV7	1651	78508	14404	5189	
03:16	MA34179-CCB8	1711	82640	14458	5744	
03:22	MP79830-LC3	1683	79935	14778	5540	
03:28	MP79830-LC4	1685	81597	14788	5552	
03:35	ZZZZZZ	1704	83974	14698	5762	
03:41	MP79888-MB1	1735	84092	14990	5902	
03:47	MP79888-MB2	1704	82471	14847	5805	
03:53	MP79888-LC1	1689	81180	14826	5568	
04:00	MP79888-LC2	1710	83686	14456	5630	
04:06	MP79888-S1	1583	75856	14391	4997	
04:12	MP79888-S2	1583	75852	14319	4994	
04:18	JB68374-7A	1617	78201	14517	5193	
04:24	MA34179-CCV8	1654	77593	14297	5202	
04:30	MA34179-CCB9	1757	84929	14690	5887	
04:36	MP79888-SD1	1714	82078	14580	5662	
04:43	ZZZZZZ	1631	77821	14654	5285	

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
04:49	ZZZZZZ	1629	78175	14445	5267
04:55	ZZZZZZ	1627	78533	14514	5312
05:01	ZZZZZZ	1721	84935	15769	5220
05:07	ZZZZZZ	1570	77790	14641	4967
05:14	ZZZZZZ	1678	80343	14947	5212
05:20	MP79889-MB1	1718	84301	14703	5785
05:26	MP79889-LC1	1690	81663	14651	5560
05:32	MP79889-S1	1631	78687	14472	5131
05:38	MA34179-CCV9	1697	80613	14701	5306
05:44	MA34179-CCB10	1762	82685	14660	5867
05:51	MP79889-S2	1644	79449	14600	5172
05:57	JB68220-1	1671	78304	14748	5363
06:03	MP79889-SD1	1704	83266	14774	5651
06:09	ZZZZZZ	1613	78976	14611	5187
06:15	ZZZZZZ	1600	77689	14167	5001
06:22	ZZZZZZ	1662	79092	14446	5346
06:28	ZZZZZZ	1669	79319	14456	5361
06:34	ZZZZZZ	1671	79647	14482	5340
06:40	ZZZZZZ	1663	79476	14431	5305
06:47	ZZZZZZ	1667	79251	14375	5372
06:53	MA34179-CCV10	1699	79716	14431	5310
06:59	MA34179-CCB11	1782	84150	14698	5937
07:05	ZZZZZZ	1688	81120	14664	5431
07:11	ZZZZZZ	1608	77476	14412	5018
07:18	ZZZZZZ	1674	81013	14597	5387
07:24	ZZZZZZ	1676	81490	14602	5388
07:30	ZZZZZZ	1665	79051	14518	5339
07:36	ZZZZZZ	1671	78263	14432	5349
07:42	ZZZZZZ	1538	74126	14183	4711
07:49	ZZZZZZ	1682	80212	14697	5371
07:55	ZZZZZZ	721 !a	72986	14132	4666
08:02	ZZZZZZ	1756	85011	14806	5884
08:08	MA34179-CCV11	1700	82190	14594	5339

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
08:14	MA34179-CCB12	1781	84672	14863	5964
08:20	ZZZZZZ	1754	83424	14871	5886
08:27	ZZZZZZ	703 !a	76839	14148	4755
08:33	MP79887-MB1	1749	88469	14741	5950
08:39	MP79887-B1	1751	86689	14770	5675
08:45	MP79887-S1	1800	88053	15321	5589
08:51	MP79887-S2	1809	88834	15203	5640
08:57	JB68264-9	1842	91292	15069	5858
09:04	MP79887-SD1	1842	88235	14925	6040
09:10	ZZZZZZ	1650	79328	14559	5033
09:16	JB68173-1	1825	86815	15106	5677
09:22	MA34179-CCV12	1754	83639	14790	5463
09:28	MA34179-CCB13	1860	87776	14822	6203
09:35	MA34179-CRI3	1830	86838	14572	5994
09:41	MA34179-CRID4	1815	86243	14548	6003
09:47	MA34179-CRIA3	1846	88110	14476	6127
09:54	ZZZZZZ	1857	87444	14719	6163
10:00	ZZZZZZ	1844	86301	14623	6093
10:06	ZZZZZZ	1862	89480	15117	6166
10:13	ZZZZZZ	1859	86729	14683	6125
10:19	MA34179-CCV13	1784	82978	14503	5518
10:25	MA34179-CCB14	1878	89589	14779	6213
10:31	JB68173-2	1878	87816	15420	5748
10:37	JB68173-3	1894	91486	15490	5774
10:44	JB68173-4	1870	88003	15399	5768
10:50	JB68173-5	1885	88284	15305	5812
10:56	JB68173-6	1899	90327	15330	5896
11:02	JB68173-7	1889	89043	15342	5736
11:08	JB68173-8	1904	88520	15509	5783
11:14	JB68173-9	1921	92034	15662	5757
11:20	JB68173-10	1880	89747	15237	5730
11:27	MA34179-CCV14	1827	90385	14451	5704
11:33	MA34179-CCB15	1887	91464	14612	6275

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34179
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
11:39	JB68173-11	1911	89471	15322	5756
11:45	JB68173-12	1913	88414	15642	5635
11:51	JB68173-13	1794	84051	14732	5559
11:57	JB68173-14	1885	84912	15456	5449
12:04	ZZZZZZ	1781	80260	14846	5253
12:10	ZZZZZZ	1907	90788	15561	5945
12:16	ZZZZZZ	1894	88520	15327	5803
12:22	MA34179-CCV15	1793	83583	14549	5537
12:28	MA34179-CCB16	1862	87115	14602	6157
12:34	MA34179-CRI4	1853	86922	14589	6063
12:41	MA34179-CRID5	1861	85374	14742	6139
12:47	MA34179-CRIA4	1871	90785	14638	6220
12:53	MA34179-CCV16	1801	84472	14574	5571
12:59	MA34179-CCB17	1877	88616	14734	6218

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			18:50		19:09		20:14		21:23	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	4.7	<200	-3.8	<200	-0.10	<200	-3.2	<200
Antimony	6.0	.8	0.20	<6.0	-0.30	<6.0	0.50	<6.0	-0.40	<6.0
Arsenic	3.0	.8	1.2	<3.0	1.4	<3.0	0.70	<3.0	0.80	<3.0
Barium	200	.3	0.60	<200	0.30	<200	0.30	<200	0.30	<200
Beryllium	1.0	.09	0.50	<1.0	0.30	<1.0	0.30	<1.0	0.30	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	0.20	<3.0	0.20	<3.0	0.20	<3.0	0.60	<3.0
Calcium	5000	8.7	11.5	<5000	5.5	<5000	6.6	<5000	4.3	<5000
Chromium	10	.3	0.60	<10	0.10	<10	0.50	<10	0.70	<10
Cobalt	50	.3	0.40	<50	0.30	<50	0.40	<50	0.50	<50
Copper	10	2.2	0.80	<10	0.40	<10	0.40	<10	1.0	<10
Iron	100	5.5	10.5	<100	5.3	<100	6.0	<100	7.5	<100
Lead	3.0	.9	0.90	<3.0	0.30	<3.0	0.0	<3.0	-0.10	<3.0
Lithium	20	1								
Magnesium	5000	19	-5.2	<5000	3.4	<5000	2.9	<5000	9.6	<5000
Manganese	15	.2	0.40	<15	0.20	<15	0.40	<15	0.40	<15
Molybdenum	20	.4								
Nickel	10	.4	0.10	<10	0.20	<10	0.10	<10	0.30	<10
Palladium	50	1.7								
Potassium	10000	37	23.4	<10000	-2.4	<10000	8.6	<10000	-7.0	<10000
Selenium	10	1.7	-1.8	<10	-1.8	<10	-0.30	<10	-0.90	<10
Silicon	200	5.4								
Silver	10	.3	0.10	<10	-0.10	<10	0.10	<10	0.10	<10
Sodium	10000	6.1	9.2	<10000	3.6	<10000	8.7	<10000	4.2	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	0.80	<2.0	0.60	<2.0	1.7	<2.0	1.6	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.60	<50	0.60	<50	0.60	<50	0.40	<50
Zinc	20	.4	0.30	<20	0.10	<20	0.20	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			18:50		19:09		20:14		21:23	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time: / Sample ID:			22:34 CCB4		23:43 CCB5		00:51 CCB6		02:01 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	-3.8	<200	-1.8	<200	0.0	<200	3.8	<200
Antimony	6.0	.8	-1.2	<6.0	-1.6	<6.0	-1.8	<6.0	-1.5	<6.0
Arsenic	3.0	.8	0.80	<3.0	1.2	<3.0	0.40	<3.0	1.4	<3.0
Barium	200	.3	0.20	<200	0.40	<200	0.20	<200	0.10	<200
Beryllium	1.0	.09	0.30	<1.0	0.40	<1.0	0.30	<1.0	0.40	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	0.50	<3.0	0.60	<3.0	0.40	<3.0	0.30	<3.0
Calcium	5000	8.7	4.1	<5000	10.9	<5000	4.9	<5000	10.7	<5000
Chromium	10	.3	0.50	<10	0.70	<10	0.60	<10	0.80	<10
Cobalt	50	.3	0.70	<50	0.70	<50	0.30	<50	0.50	<50
Copper	10	2.2	0.90	<10	0.70	<10	2.0	<10	1.5	<10
Iron	100	5.5	4.8	<100	9.2	<100	6.4	<100	10.6	<100
Lead	3.0	.9	0.60	<3.0	1.2	<3.0	-0.10	<3.0	0.30	<3.0
Lithium	20	1								
Magnesium	5000	19	-14	<5000	9.7	<5000	-11	<5000	-5.9	<5000
Manganese	15	.2	0.30	<15	0.50	<15	0.40	<15	0.30	<15
Molybdenum	20	.4								
Nickel	10	.4	0.60	<10	0.50	<10	0.40	<10	0.50	<10
Palladium	50	1.7								
Potassium	10000	37	38.8	<10000	17.1	<10000	7.3	<10000	-5.2	<10000
Selenium	10	1.7	0.40	<10	1.6	<10	0.30	<10	0.10	<10
Silicon	200	5.4								
Silver	10	.3	0.0	<10	0.30	<10	0.30	<10	0.30	<10
Sodium	10000	6.1	23.2	<10000	19.1	<10000	17.2	<10000	12.7	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	1.1	<2.0	1.7	<2.0	0.80	<2.0	1.1	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.50	<50	0.40	<50	0.30	<50	0.30	<50
Zinc	20	.4	0.30	<20	0.20	<20	0.30	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			22:34		23:43		00:51		02:01	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time: / Sample ID:			03:16 CCB8		04:30 CCB9		05:44 CCB10		06:59 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	-0.70	<200	-0.90	<200	-0.70	<200	7.0	<200
Antimony	6.0	.8	-2.0	<6.0	-1.2	<6.0	0.10	<6.0	0.10	<6.0
Arsenic	3.0	.8	1.1	<3.0	1.3	<3.0	2.1	<3.0	1.1	<3.0
Barium	200	.3	0.50	<200	0.30	<200	0.40	<200	0.50	<200
Beryllium	1.0	.09	0.50	<1.0	0.50	<1.0	0.50	<1.0	0.60	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	0.30	<3.0	0.40	<3.0	1.2	<3.0	1.3	<3.0
Calcium	5000	8.7	11.6	<5000	9.1	<5000	9.9	<5000	14.0	<5000
Chromium	10	.3	0.60	<10	0.50	<10	0.70	<10	1.0	<10
Cobalt	50	.3	0.40	<50	0.50	<50	1.3	<50	1.3	<50
Copper	10	2.2	1.2	<10	1.3	<10	2.1	<10	1.5	<10
Iron	100	5.5	9.7	<100	8.6	<100	9.7	<100	14.8	<100
Lead	3.0	.9	0.30	<3.0	0.90	<3.0	1.6	<3.0	1.6	<3.0
Lithium	20	1								
Magnesium	5000	19	-12	<5000	-0.50	<5000	17.2	<5000	-3.2	<5000
Manganese	15	.2	0.50	<15	0.60	<15	0.80	<15	0.80	<15
Molybdenum	20	.4								
Nickel	10	.4	0.10	<10	0.30	<10	1.2	<10	1.4	<10
Palladium	50	1.7								
Potassium	10000	37	33.2	<10000	-2.7	<10000	-0.10	<10000	-3.7	<10000
Selenium	10	1.7	1.1	<10	0.20	<10	1.0	<10	2.2	<10
Silicon	200	5.4								
Silver	10	.3	0.30	<10	0.10	<10	0.30	<10	-0.10	<10
Sodium	10000	6.1	35.9	<10000	26.7	<10000	17.5	<10000	23.3	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	-0.50	<2.0	1.5	<2.0	3.0	* (a)	2.3	* (a)
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.60	<50	0.70	<50	0.90	<50	0.80	<50
Zinc	20	.4	0.10	<20	0.30	<20	1.3	<20	1.1	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			03:16		04:30		05:44		06:59	
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
(a) No samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			08:14		09:28		10:25		11:33	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.9	9.7	<200	-2.3	<200	4.5	<200	1.8	<200
Antimony	6.0	.8	-0.10	<6.0	-0.30	<6.0	-0.10	<6.0	-0.80	<6.0
Arsenic	3.0	.8	1.0	<3.0	1.0	<3.0	0.70	<3.0	1.2	<3.0
Barium	200	.3	0.60	<200	0.20	<200	0.50	<200	0.40	<200
Beryllium	1.0	.09	0.80	<1.0	0.30	<1.0	0.60	<1.0	0.30	<1.0
Bismuth	20	1.4								
Boron	100	.7								
Cadmium	3.0	.2	1.2	<3.0	0.50	<3.0	0.90	<3.0	0.30	<3.0
Calcium	5000	8.7	21.1	<5000	8.9	<5000	17.3	<5000	13.6	<5000
Chromium	10	.3	4.0	<10	2.1	<10	1.8	<10	1.0	<10
Cobalt	50	.3	1.3	<50	0.50	<50	0.90	<50	0.60	<50
Copper	10	2.2	1.8	<10	0.90	<10	1.4	<10	0.10	<10
Iron	100	5.5	18.7	<100	7.5	<100	12.9	<100	11.2	<100
Lead	3.0	.9	1.5	<3.0	1.0	<3.0	1.4	<3.0	0.60	<3.0
Lithium	20	1								
Magnesium	5000	19	17.6	<5000	3.3	<5000	0.30	<5000	-6.2	<5000
Manganese	15	.2	1.1	<15	1.0	<15	1.0	<15	0.40	<15
Molybdenum	20	.4								
Nickel	10	.4	1.3	<10	0.60	<10	0.90	<10	0.50	<10
Palladium	50	1.7								
Potassium	10000	37	-2.8	<10000	9.8	<10000	26.0	<10000	11.7	<10000
Selenium	10	1.7	1.8	<10	1.9	<10	1.2	<10	0.20	<10
Silicon	200	5.4								
Silver	10	.3	0.30	<10	-0.10	<10	0.30	<10	0.20	<10
Sodium	10000	6.1	29.5	<10000	13.3	<10000	16.5	<10000	5.5	<10000
Sulfur	50	4.3								
Strontium	10	.1								
Thallium	2.0	1.3	2.2	* (a)	1.4	<2.0	2.2	* (a)	1.4	<2.0
Tin	10	.6								
Titanium	10	.3								
Tungsten	50	5.8								
Vanadium	50	.3	0.90	<50	0.50	<50	1.1	<50	0.30	<50
Zinc	20	.4	0.90	<20	1.3	<20	1.0	<20	0.70	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			08:14		09:28		10:25		11:33	
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 samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			12:28		12:59	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	5.9	11.1	<200	15.4	<200
Antimony	6.0	.8	0.30	<6.0	0.0	<6.0
Arsenic	3.0	.8	1.6	<3.0	1.4	<3.0
Barium	200	.3	0.80	<200	0.70	<200
Beryllium	1.0	.09	0.70	<1.0	0.80	<1.0
Bismuth	20	1.4				
Boron	100	.7				
Cadmium	3.0	.2	1.0	<3.0	0.90	<3.0
Calcium	5000	8.7	14.8	<5000	18.1	<5000
Chromium	10	.3	1.4	<10	1.1	<10
Cobalt	50	.3	1.0	<50	0.90	<50
Copper	10	2.2	1.5	<10	1.3	<10
Iron	100	5.5	21.1	<100	22.4	<100
Lead	3.0	.9	1.8	<3.0	1.4	<3.0
Lithium	20	1				
Magnesium	5000	19	0.70	<5000	2.9	<5000
Manganese	15	.2	1.0	<15	1.0	<15
Molybdenum	20	.4				
Nickel	10	.4	0.90	<10	1.0	<10
Palladium	50	1.7				
Potassium	10000	37	20.4	<10000	14.0	<10000
Selenium	10	1.7	2.4	<10	-0.60	<10
Silicon	200	5.4				
Silver	10	.3	0.30	<10	0.20	<10
Sodium	10000	6.1	21.3	<10000	21.1	<10000
Sulfur	50	4.3				
Strontium	10	.1				
Thallium	2.0	1.3	0.80	<2.0	1.2	<2.0
Tin	10	.6				
Titanium	10	.3				
Tungsten	50	5.8				
Vanadium	50	.3	0.80	<50	1.2	<50
Zinc	20	.4	1.2	<20	1.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34179 Units: ug/l

Time:			12:28		12:59	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.3				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		18:55	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39700	99.3
Antimony	2000	2010	100.5
Arsenic	2000	2010	100.5
Barium	2000	2010	100.5
Beryllium	2000	2020	101.0
Bismuth			
Boron			
Cadmium	2000	2020	101.0
Calcium	40000	40200	100.5
Chromium	2000	2020	101.0
Cobalt	2000	2020	101.0
Copper	2000	1970	98.5
Iron	40000	40300	100.8
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	39500	98.8
Manganese	2000	2050	102.5
Molybdenum			
Nickel	2000	2050	102.5
Palladium			
Potassium	40000	39700	99.3
Selenium	2000	2010	100.5
Silicon			
Silver	250	247	98.8
Sodium	40000	39800	99.5
Sulfur			
Strontium			
Thallium	2000	2100	105.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2020	101.0
Zinc	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		18:55	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		18:39			20:08			21:17	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	39400	98.5	40000	39200	98.0
Antimony	2000	2010	100.5	2000	1990	99.5	2000	2020	101.0
Arsenic	2000	2010	100.5	2000	1990	99.5	2000	2030	101.5
Barium	2000	2010	100.5	2000	1990	99.5	2000	2010	100.5
Beryllium	2000	2030	101.5	2000	2010	100.5	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	2020	101.0	2000	2000	100.0	2000	2030	101.5
Calcium	40000	40700	101.8	40000	39900	99.8	40000	39400	98.5
Chromium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Cobalt	2000	2010	100.5	2000	1990	99.5	2000	2030	101.5
Copper	2000	1970	98.5	2000	1960	98.0	2000	1990	99.5
Iron	40000	40200	100.5	40000	40300	100.8	40000	41100	102.8
Lead	2000	2040	102.0	2000	2020	101.0	2000	2050	102.5
Lithium									
Magnesium	40000	39300	98.3	40000	39400	98.5	40000	40200	100.5
Manganese	2000	2030	101.5	2000	2030	101.5	2000	2100	105.0
Molybdenum									
Nickel	2000	2040	102.0	2000	2020	101.0	2000	2060	103.0
Palladium									
Potassium	40000	39800	99.5	40000	39400	98.5	40000	39500	98.8
Selenium	2000	2010	100.5	2000	2010	100.5	2000	2060	103.0
Silicon									
Silver	250	244	97.6	250	245	98.0	250	254	101.6
Sodium	40000	40200	100.5	40000	39500	98.8	40000	39300	98.3
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2080	104.0	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2000	100.0	2000	2030	101.5
Zinc	2000	2050	102.5	2000	2030	101.5	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		18:39			20:08			21:17	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		22:28			23:37			00:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39100	97.8	40000	39700	99.3	40000	39500	98.8
Antimony	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2000	100.0
Barium	2000	2010	100.5	2000	2020	101.0	2000	2000	100.0
Beryllium	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	1970	98.5	2000	1970	98.5
Calcium	40000	38400	96.0	40000	37700	94.3	40000	37700	94.3
Chromium	2000	1950	97.5	2000	1930	96.5	2000	1920	96.0
Cobalt	2000	1990	99.5	2000	1930	96.5	2000	1930	96.5
Copper	2000	1980	99.0	2000	1980	99.0	2000	1960	98.0
Iron	40000	40400	101.0	40000	39700	99.3	40000	39400	98.5
Lead	2000	2000	100.0	2000	1960	98.0	2000	1960	98.0
Lithium									
Magnesium	40000	39100	97.8	40000	37800	94.5	40000	37700	94.3
Manganese	2000	2060	103.0	2000	2000	100.0	2000	2000	100.0
Molybdenum									
Nickel	2000	2030	101.5	2000	1990	99.5	2000	1990	99.5
Palladium									
Potassium	40000	39100	97.8	40000	39500	98.8	40000	39300	98.3
Selenium	2000	2070	103.5	2000	2080	104.0	2000	2070	103.5
Silicon									
Silver	250	253	101.2	250	248	99.2	250	247	98.8
Sodium	40000	38800	97.0	40000	39100	97.8	40000	38900	97.3
Sulfur									
Strontium									
Thallium	2000	2120	106.0	2000	2080	104.0	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1970	98.5	2000	1940	97.0	2000	1930	96.5
Zinc	2000	1990	99.5	2000	1970	98.5	2000	1960	98.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		22:28			23:37			00:45	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		01:55			03:10			04:24	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	40600	101.5	40000	40100	100.3
Antimony	2000	2030	101.5	2000	2060	103.0	2000	2050	102.5
Arsenic	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0
Barium	2000	2020	101.0	2000	2070	103.5	2000	2050	102.5
Beryllium	2000	2000	100.0	2000	2050	102.5	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	1980	99.0	2000	2010	100.5	2000	2000	100.0
Calcium	40000	37700	94.3	40000	38700	96.8	40000	38300	95.8
Chromium	2000	1940	97.0	2000	1970	98.5	2000	1990	99.5
Cobalt	2000	1940	97.0	2000	1960	98.0	2000	1950	97.5
Copper	2000	1970	98.5	2000	2020	101.0	2000	2040	102.0
Iron	40000	39500	98.8	40000	40100	100.3	40000	40100	100.3
Lead	2000	1970	98.5	2000	1990	99.5	2000	1990	99.5
Lithium									
Magnesium	40000	37900	94.8	40000	38600	96.5	40000	38800	97.0
Manganese	2000	2020	101.0	2000	2050	102.5	2000	2070	103.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2030	101.5	2000	2010	100.5
Palladium									
Potassium	40000	39300	98.3	40000	40300	100.8	40000	40000	100.0
Selenium	2000	2080	104.0	2000	2110	105.5	2000	2080	104.0
Silicon									
Silver	250	250	100.0	250	254	101.6	250	258	103.2
Sodium	40000	39000	97.5	40000	40000	100.0	40000	39500	98.8
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2120	106.0	2000	2090	104.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1950	97.5	2000	1990	99.5	2000	2010	100.5
Zinc	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		01:55			03:10			04:24	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		05:38			06:53			08:08	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39800	99.5	40000	40200	100.5
Antimony	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Barium	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Beryllium	2000	1990	99.5	2000	2020	101.0	2000	2000	100.0
Bismuth									
Boron									
Cadmium	2000	1980	99.0	2000	1980	99.0	2000	1960	98.0
Calcium	40000	37900	94.8	40000	37900	94.8	40000	38000	95.0
Chromium	2000	1940	97.0	2000	1960	98.0	2000	1930	96.5
Cobalt	2000	1940	97.0	2000	1950	97.5	2000	1910	95.5
Copper	2000	1980	99.0	2000	1980	99.0	2000	1940	97.0
Iron	40000	38900	97.3	40000	39900	99.8	40000	38600	96.5
Lead	2000	1970	98.5	2000	1980	99.0	2000	1950	97.5
Lithium									
Magnesium	40000	37600	94.0	40000	38600	96.5	40000	37100	92.8
Manganese	2000	2020	101.0	2000	2040	102.0	2000	1970	98.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2020	101.0	2000	1980	99.0
Palladium									
Potassium	40000	39500	98.8	40000	39800	99.5	40000	39700	99.3
Selenium	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5
Silicon									
Silver	250	250	100.0	250	253	101.2	250	243	97.2
Sodium	40000	39300	98.3	40000	39300	98.3	40000	39500	98.8
Sulfur									
Strontium									
Thallium	2000	2070	103.5	2000	2080	104.0	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1950	97.5	2000	1960	98.0	2000	1920	96.0
Zinc	2000	1980	99.0	2000	2000	100.0	2000	1970	98.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		05:38			06:53			08:08	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		09:22			10:19			11:27	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38800	97.0	40000	38800	97.0	40000	41200	103.0
Antimony	2000	1990	99.5	2000	1960	98.0	2000	1930	96.5
Arsenic	2000	1960	98.0	2000	1950	97.5	2000	1890	94.5
Barium	2000	1950	97.5	2000	1980	99.0	2000	1970	98.5
Beryllium	2000	1930	96.5	2000	1970	98.5	2000	1970	98.5
Bismuth									
Boron									
Cadmium	2000	1970	98.5	2000	1960	98.0	2000	1920	96.0
Calcium	40000	37600	94.0	40000	38000	95.0	40000	41000	102.5
Chromium	2000	1950	97.5	2000	1960	98.0	2000	1960	98.0
Cobalt	2000	1940	97.0	2000	1950	97.5	2000	1880	94.0
Copper	2000	1930	96.5	2000	1930	96.5	2000	1850	92.5
Iron	40000	37400	93.5	40000	38700	96.8	40000	36500	91.3
Lead	2000	1980	99.0	2000	1980	99.0	2000	1940	97.0
Lithium									
Magnesium	40000	36500	91.3	40000	38100	95.3	40000	35800	89.5*(a)
Manganese	2000	1990	99.5	2000	2020	101.0	2000	1860	93.0
Molybdenum									
Nickel	2000	1990	99.5	2000	1990	99.5	2000	1930	96.5
Palladium									
Potassium	40000	38400	96.0	40000	38800	97.0	40000	39200	98.0
Selenium	2000	2000	100.0	2000	1980	99.0	2000	1930	96.5
Silicon									
Silver	250	243	97.2	250	246	98.4	250	222	88.8*(a)
Sodium	40000	38400	96.0	40000	38600	96.5	40000	40400	101.0
Sulfur									
Strontium									
Thallium	2000	2010	100.5	2000	2070	103.5	2000	1980	99.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1950	97.5	2000	1960	98.0	2000	1900	95.0
Zinc	2000	2000	100.0	2000	1990	99.5	2000	1980	99.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		09:22			10:19			11:27	
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
(a) No samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		12:22			12:53	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38800	97.0	40000	38800	97.0
Antimony	2000	1960	98.0	2000	1940	97.0
Arsenic	2000	1950	97.5	2000	1940	97.0
Barium	2000	1980	99.0	2000	1980	99.0
Beryllium	2000	1950	97.5	2000	1950	97.5
Bismuth						
Boron						
Cadmium	2000	1960	98.0	2000	1940	97.0
Calcium	40000	38100	95.3	40000	38100	95.3
Chromium	2000	1950	97.5	2000	1940	97.0
Cobalt	2000	1950	97.5	2000	1930	96.5
Copper	2000	1940	97.0	2000	1910	95.5
Iron	40000	38300	95.8	40000	38100	95.3
Lead	2000	1980	99.0	2000	1960	98.0
Lithium						
Magnesium	40000	37700	94.3	40000	37400	93.5
Manganese	2000	2010	100.5	2000	1990	99.5
Molybdenum						
Nickel	2000	1990	99.5	2000	1980	99.0
Palladium						
Potassium	40000	38600	96.5	40000	38700	96.8
Selenium	2000	1980	99.0	2000	1970	98.5
Silicon						
Silver	250	244	97.6	250	242	96.8
Sodium	40000	38700	96.8	40000	38700	96.8
Sulfur						
Strontium						
Thallium	2000	2070	103.5	2000	2050	102.5
Tin						
Titanium						
Tungsten						
Vanadium	2000	1960	98.0	2000	1930	96.5
Zinc	2000	1990	99.5	2000	1970	98.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34179 Units: ug/l

Time:		12:22			12:53	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				19:18		19:30		19:37	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	201	100.5	478	95.6	99.8	99.8
Antimony	6.0	20	3.0	5.8	96.7	19.1	95.5	2.2	73.3
Arsenic	8.0	20	3.0	9.2	115.0	20.3	101.5	3.4	113.3
Barium	200		4.0	203	101.5			4.1	102.5
Beryllium	2.0		1.0	2.3	115.0			1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	4.0	133.3*(a			1.2	120.0
Calcium	5000		1000	5090	101.8			1070	107.0
Chromium	10		2.0	10.7	107.0			2.1	105.0
Cobalt	50		3.0	50.7	101.4			3.2	106.7
Copper	10		2.0	10.1	101.0				
Iron	100	500		109	109.0	537	107.4		
Lead	3.0	20	2.5	2.5	83.3	22.0	110.0	3.1	124.0
Lithium	20								
Magnesium	5000		100	4990	99.8			95.2	95.2
Manganese	15		3.0	16.1	107.3			3.1	103.3
Molybdenum	20								
Nickel	10		4.0	10.4	104.0			4.2	105.0
Palladium	50								
Potassium	5000		2000	5140	102.8			2090	104.5
Selenium	10	20	5.0	9.1	91.0	22.9	114.5	4.1	82.0
Silicon	200								
Silver	5.0		1.0	5.3	106.0			1.0	100.0
Sodium	5000		1000	4980	99.6			1050	105.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.9	119.0			2.7	135.0*(b
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	51.9	103.8			1.9	95.0
Zinc	20		10	23.2	116.0			13.0	130.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				19:18		19:30		19:37	
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
(a) No 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.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				00:58		01:04		01:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	193	96.5	97.7	97.7	477	95.4
Antimony	6.0	20	3.0	5.1	85.0	2.2	73.3	18.5	92.5
Arsenic	8.0	20	3.0	9.2	115.0	3.0	100.0	20.0	100.0
Barium	200		4.0	203	101.5	3.9	97.5		
Beryllium	2.0		1.0	2.2	110.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	4.0	133.3*(a	1.3	130.0		
Calcium	5000		1000	4590	91.8	973	97.3		
Chromium	10		2.0	10.4	104.0	1.9	95.0		
Cobalt	50		3.0	50.3	100.6	3.2	106.7		
Copper	10		2.0	11.8	118.0				
Iron	100	500		108	108.0			526	105.2
Lead	3.0	20	2.5	2.4	80.0			20.9	104.5
Lithium	20								
Magnesium	5000		100	4900	98.0	83.4	83.4		
Manganese	15		3.0	16.4	109.3	3.2	106.7		
Molybdenum	20								
Nickel	10		4.0	10.3	103.0	4.3	107.5		
Palladium	50								
Potassium	5000		2000	5030	100.6	2080	104.0		
Selenium	10	20	5.0	12.5	125.0			24.3	121.5
Silicon	200								
Silver	5.0		1.0	5.6	112.0	1.2	120.0		
Sodium	5000		1000	4740	94.8	1020	102.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.9	109.0	2.6	130.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	50.0	100.0	1.7	85.0		
Zinc	20		10	22.5	112.5	13.0	130.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				00:58		01:04		01:10	
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
(a) No samples reported for this element in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				09:35		09:41		09:47	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	201	100.5	98.5	98.5	486	97.2
Antimony	6.0	20	3.0	4.8	80.0	2.6	86.7	18.6	93.0
Arsenic	8.0	20	3.0	8.9	111.3	3.2	106.7	19.1	95.5
Barium	200		4.0	202	101.0	3.9	97.5		
Beryllium	2.0		1.0	2.4	120.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.8	126.7	1.1	110.0		
Calcium	5000		1000	4830	96.6	987	98.7		
Chromium	10		2.0	11.4	114.0	2.5	125.0		
Cobalt	50		3.0	48.9	97.8	3.1	103.3		
Copper	10		2.0	10.5	105.0				
Iron	100	500		110	110.0			502	100.4
Lead	3.0	20	2.5	3.3	110.0			20.6	103.0
Lithium	20								
Magnesium	5000		100	4810	96.2	81.7	81.7		
Manganese	15		3.0	16.1	107.3	3.4	113.3		
Molybdenum	20								
Nickel	10		4.0	9.9	99.0	4.4	110.0		
Palladium	50								
Potassium	5000		2000	5040	100.8	2050	102.5		
Selenium	10	20	5.0	9.6	96.0	5.3	106.0	23.7	118.5
Silicon	200								
Silver	5.0		1.0	5.1	102.0	1.5	150.0*(a		
Sodium	5000		1000	4870	97.4	1010	101.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.6	116.0	2.7	135.0*(b		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	50.0	100.0	1.9	95.0		
Zinc	20		10	22.5	112.5				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				09:35		09:41		09:47	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID4		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.
(b) No samples reported for TLNJ in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				12:34		12:41		12:47	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID5		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	191	95.5	94.6	94.6	491	98.2
Antimony	6.0	20	3.0	5.5	91.7			18.4	92.0
Arsenic	8.0	20	3.0	8.8	110.0	3.3	110.0	18.7	93.5
Barium	200		4.0	201	100.5	4.0	100.0		
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.8	126.7	1.1	110.0		
Calcium	5000		1000	4770	95.4	976	97.6		
Chromium	10		2.0	10.6	106.0	2.2	110.0		
Cobalt	50		3.0	49.1	98.2	3.3	110.0		
Copper	10		2.0	10.2	102.0				
Iron	100	500		108	108.0			496	99.2
Lead	3.0	20	2.5	3.7	123.3			21.3	106.5
Lithium	20								
Magnesium	5000		100	4860	97.2	107	107.0		
Manganese	15		3.0	16.1	107.3	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	10.3	103.0	4.3	107.5		
Palladium	50								
Potassium	5000		2000	4990	99.8	2010	100.5		
Selenium	10	20	5.0	8.6	86.0			22.3	111.5
Silicon	200								
Silver	5.0		1.0	5.1	102.0	1.3	130.0		
Sodium	5000		1000	4800	96.0	993	99.3		
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	50.2	100.4	2.2	110.0		
Zinc	20		10	22.4	112.0				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34179 Units: ug/l

Time:				12:34		12:41		12:47	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID5		CRIA4	
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.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34179 Units: ug/l

Time:			19:43		19:49		01:23		01:29	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	488000	97.6	502000	100.4	511000	102.2
Antimony		1000	-2.6		1020	102.0	-4.0		1050	105.0
Arsenic		1000	0.70		1070	107.0	-1.5		1090	109.0
Barium		500	-0.80		489	97.8	-1.1		506	101.2
Beryllium		500	0.0		486	97.2	0.0		494	98.8
Bismuth		500	0.30		544	108.8	2.4		566	113.2
Boron			-12		-14		-11		-14	
Cadmium		1000	1.8		1030	103.0	2.2		1020	102.0
Calcium	400000	400000	383000	95.8	376000	94.0	360000	90.0	363000	90.8
Chromium		500	-0.90		474	94.8	-1.0		456	91.2
Cobalt		500	3.1		478	95.6	2.8		461	92.2
Copper		500	2.8		525	105.0	2.9		528	105.6
Iron	200000	200000	193000	96.5	187000	93.5	188000	94.0	186000	93.0
Lead		1000	-1.9		945	94.5	2.5		914	91.4
Lithium		500	4.6		531	106.2	5.3		554	110.8
Magnesium	500000	500000	532000	106.4	531000	106.2	508000	101.6	515000	103.0
Manganese		500	-0.20		502	100.4	2.1		486	97.2
Molybdenum		500	-2.8		494	98.8	-3.0		494	98.8
Nickel		1000	-1.7		958	95.8	-0.60		943	94.3
Palladium		500	-31		514	102.8	-31		516	103.2
Potassium			-32		-30		-24		-6.4	
Selenium		1000	-1.2		1090	109.0	5.6		1130	113.0
Silicon			-5.6		-3.8		-7.0		-7.5	
Silver		1000	4.5		1110	111.0	9.3		1100	110.0
Sodium			2.0		-5.7		-1.5		1.6	
Sulfur		500	-48		454	90.8	-43		465	93.0
Strontium			-0.90		-1.0		0.0		-0.20	
Thallium		1000	2.0		943	94.3	3.0		934	93.4
Tin			9.7		8.4		8.9		9.9	
Titanium			1.5		5.4		1.8		5.4	
Tungsten		500	6.7		574	114.8	0.50		565	113.0
Vanadium		500	-1.7		467	93.4	-2.4		450	90.0
Zinc		1000	-1.7		951	95.1	-1.1		920	92.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB060614M1.ICP Date Analyzed: 06/06/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34179 Units: ug/l

Time:			19:43		19:49		01:23		01:29	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	12.3		570	114.0	11.6		551	110.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:01	MA34209-STD1	1		STDA
16:04	MA34209-STD2	1		STDB
16:07	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:19	MA34209-ICV1	1		
16:22	MA34209-ICB1	1		
16:29	MA34209-CCV1	1		
16:32	MA34209-CCB1	1		
16:35	MA34209-CRI1	1		
16:38	MA34209-CRID1	1		
16:41	MA34209-CRIA1	1		
16:45	MA34209-ICSA1	1		
16:48	MA34209-ICSAB1	1		
16:51	MA34209-CCV2	1		
16:54	MA34209-CCB2	1		
16:57	ZZZZZZ	5		
17:01	MP79923-B1	1		
17:04	MP79924-B1	1		
17:08	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:21	MP79923-S1	1		
17:24	MP79923-S2	1		
17:27	MA34209-CCV3	1		
17:30	MA34209-CCB3	1		
17:33	MP79923-SD1	5		
17:36	ZZZZZZ	1		
17:39	MP79924-S1	1		
17:43	MP79924-S2	1		
17:46	JB68602-1AB	1		(sample used for QC only; not part of login JB68173)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:49	MP79924-SD1	5		
17:52	ZZZZZZ	1		
17:56	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:02	MA34209-CCV4	1		
18:05	MA34209-CCB4	1		
18:08	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:28	MP79927-MB2	1		
18:31	MP79927-B2	1		
18:34	MP79927-S1	1		
18:38	MA34209-CCV5	1		
18:40	MA34209-CCB5	1		
18:44	MP79927-S2	1		
18:47	JB68737-1A	1		(sample used for QC only; not part of login JB68173)
18:50	MP79927-SD1	5		
18:53	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:03	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:13	MA34209-CCV6	1		
19:16	MA34209-CCB6	1		
19:19	MA34209-CRI2	1		
19:22	MA34209-CRID2	1		
19:25	MA34209-CRIA2	1		
19:28	MA34209-ICSA2	1		
19:32	MA34209-ICSAB2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	MA34209-CCV7	1		
19:38	MA34209-CCB7	1		
19:41	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:51	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:57	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:04	MA34209-CCV8	1		
20:07	MA34209-CCB8	1		
20:24	MP79962-MB1	1		
20:27	MP79962-LC1	1		
20:30	MP79962-S1	1		
20:33	MP79962-S2	1		
20:36	JB68355-3	1		(sample used for QC only; not part of login JB68173)
20:39	MP79962-SD1	5		
20:42	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:55	MA34209-CCV9	1		
20:58	MA34209-CCB9	1		
21:01	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:10	ZZZZZZ	1		
21:13	ZZZZZZ	1		
21:16	ZZZZZZ	1		
21:20	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:32	MA34209-CCV10	1		
21:35	MA34209-CCB10	1		
21:38	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:45	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:54	MP79887-MB1	1		
21:57	MP79887-B1	1		
22:00	ZZZZZZ	1		
22:03	JB68173-1	1		
22:07	JB68173-2	1		
22:10	MA34209-CCV11	1		
22:13	MA34209-CCB11	1		
22:16	JB68173-3	1		
22:19	JB68173-4	1		
22:22	JB68173-5	1		
22:25	JB68173-6	1		
22:28	JB68173-7	1		
22:31	JB68173-8	1		
22:34	JB68173-9	1		
22:37	JB68173-10	1		
22:40	JB68173-11	1		
22:44	JB68173-12	1		
22:47	MA34209-CCV12	1		
22:50	MA34209-CCB12	1		
22:53	JB68173-13	1		
22:56	JB68173-14	1		
22:59	ZZZZZZ	1		
23:02	MP79887-MB2	1		
23:05	MP79887-B2	1		
23:08	MP79887-S1	1		
23:11	MP79887-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:14	JB68264-9	1		(sample used for QC only; not part of login JB68173)
23:17	MP79887-SD1	5		
---------->	Last reportable sample/prep for job JB68173			
23:20	ZZZZZZ	1		
23:23	MA34209-CCV13	1		
23:26	MA34209-CCB13	1		
23:30	MA34209-CRI3	1		
23:33	MA34209-CRID3	1		
23:36	MA34209-CRIA3	1		
23:39	MA34209-CCV14	1		
23:42	MA34209-CCB14	1		
---------->	Last reportable CCB for job JB68173			
23:47	ZZZZZZ	1		
23:50	ZZZZZZ	1		
00:15	MP79914-MB2	1		CCV out. Bad reading on Y 3600
00:18	MP79914-LC2	1		CCV out
00:21	MP79914-B2	1		
00:24	MP79914-S1	1		
00:27	MP79914-S2	1		
00:30	JB68603-1A	1		(sample used for QC only; not part of login JB68173)
00:33	MP79914-SD1	5		
00:36	ZZZZZZ	1		
00:39	MA34209-CCV15	1		
00:42	MA34209-CCB15	1		
00:46	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:52	ZZZZZZ	1		
00:55	ZZZZZZ	1		
00:58	ZZZZZZ	1		
01:01	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:07	ZZZZZZ	2		
01:10	ZZZZZZ	1		
01:13	ZZZZZZ	1		
01:16	MA34209-CCV16	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:19	MA34209-CCB16	1		
01:22	ZZZZZZ	1		
01:26	ZZZZZZ	1		
01:29	ZZZZZZ	1		
01:32	ZZZZZZ	1		
01:35	ZZZZZZ	1		
01:38	ZZZZZZ	1		
01:41	ZZZZZZ	1		
01:44	MP79966-MB1	1		CCV out
01:47	MP79966-LC1	1		CCV out
01:50	MP79966-B1	1		CCV out
01:53	MA34209-CCV17	1		
01:56	MA34209-CCB17	1		
01:59	MP79966-S1	1		%sol CCV out
02:02	MP79966-S2	1		%sol CCV out
02:05	JB68829-2	1		(sample used for QC only; not part of login JB68173)
02:08	MP79966-SD1	5		%sol CCV out
02:11	ZZZZZZ	1		
02:15	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:21	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:27	ZZZZZZ	1		
02:30	MA34209-CCV18	1		
02:33	MA34209-CCB18	1		
02:36	ZZZZZZ	1		
02:39	ZZZZZZ	1		
02:42	ZZZZZZ	1		
02:45	ZZZZZZ	1		
02:49	ZZZZZZ	1		
02:52	ZZZZZZ	1		
02:55	ZZZZZZ	1		
02:58	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:01	ZZZZZZ	1		
03:04	ZZZZZZ	1		
03:07	MA34209-CCV19	1		
03:10	MA34209-CCB19	1		
03:13	ZZZZZZ	1		
03:16	ZZZZZZ	1		
03:20	ZZZZZZ	1		
03:23	MA34209-CCV20	1		
03:26	MA34209-CCB20	1		
03:29	MA34209-CRIA4	1		
03:32	MA34209-CRI4	1		
03:35	MA34209-CRID4	1		
03:38	MA34209-CCV21	1		
03:41	MA34209-CCB21	1		
03:44	ZZZZZZ	1		
03:48	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:54	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:00	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:07	ZZZZZZ	1		
04:10	ZZZZZZ	1		
04:13	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:01	MA34209-STD1	2209 R	86702 R	18111 R	4779 R
16:04	MA34209-STD2	2041	78894	17831	4046
16:07	ZZZZZZ	2103	82344	17850	4223
16:10	ZZZZZZ	2165	86058	18291	4681
16:13	ZZZZZZ	2085	82148	18122	4187
16:16	ZZZZZZ	2163	87164	18327	4683
16:19	MA34209-ICV1	2089	82610	18036	4192
16:22	MA34209-ICB1	2178	86693	18229	4715
16:29	MA34209-CCV1	2093	82219	18210	4199
16:32	MA34209-CCB1	2169	86354	18297	4693
16:35	MA34209-CRI1	2147	85738	18239	4575
16:38	MA34209-CRID1	2158	86470	18242	4648
16:41	MA34209-CRIA1	2188	87448	18231	4730
16:45	MA34209-ICSA1	1934	75470	17932	3723
16:48	MA34209-ICSAB1	1940	75755	17938	3742
16:51	MA34209-CCV2	2090	81871	18150	4194
16:54	MA34209-CCB2	2172	86376	18316	4694
16:57	ZZZZZZ	2179	86231	18422	4687
17:01	MP79923-B1	1968	76195	18554	3732
17:04	MP79924-B1	1966	76237	18694	3734
17:08	ZZZZZZ	1962	75860	18441	3704
17:11	ZZZZZZ	1959	75193	18544	3723
17:14	ZZZZZZ	1972	75925	18334	3751
17:17	ZZZZZZ	1966	75985	18490	3740
17:21	MP79923-S1	1974	76022	18495	3714
17:24	MP79923-S2	1982	76217	18456	3732
17:27	MA34209-CCV3	2100	82211	18201	4217
17:30	MA34209-CCB3	2175	86781	18363	4708
17:33	MP79923-SD1	2082	81929	18313	4133
17:36	ZZZZZZ	2188	87266	18620	4734
17:39	MP79924-S1	1885	74268	18247	3540
17:43	MP79924-S2	1874	74074	18118	3518
17:46	JB68602-1AB	1871	73654	18083	3515

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:49	MP79924-SD1	2027	79954	18089	3988
17:52	ZZZZZZ	1956	76067	18354	3682
17:56	ZZZZZZ	1906	74608	18321	3584
17:59	ZZZZZZ	1959	75443	18351	3698
18:02	MA34209-CCV4	2108	82050	18385	4230
18:05	MA34209-CCB4	2189	87556	18500	4733
18:08	ZZZZZZ	1927	74669	18336	3640
18:12	ZZZZZZ	1933	75399	18225	3648
18:15	ZZZZZZ	1950	74467	18155	3691
18:18	ZZZZZZ	1910	74672	18276	3617
18:21	ZZZZZZ	1888	74434	18217	3520
18:25	ZZZZZZ	1898	74567	18280	3556
18:28	MP79927-MB2	1949	75348	18429	3693
18:31	MP79927-B2	1961	76432	18531	3713
18:34	MP79927-S1	1934	75431	18484	3616
18:38	MA34209-CCV5	2081	82226	18150	4179
18:40	MA34209-CCB5	2181	87083	18334	4716
18:44	MP79927-S2	1930	75053	18408	3609
18:47	JB68737-1A	1895	74753	18325	3544
18:50	MP79927-SD1	2076	80459	17473	4098
18:53	ZZZZZZ	1890	73792	18098	3545
18:56	ZZZZZZ	1909	73868	18439	3546
19:00	ZZZZZZ	1941	74544	18107	3639
19:03	ZZZZZZ	1882	74263	17997	3533
19:06	ZZZZZZ	1974	75783	18338	3714
19:09	ZZZZZZ	1968	75770	18353	3698
19:13	MA34209-CCV6	2110	83016	18290	4229
19:16	MA34209-CCB6	2190	86825	18432	4735
19:19	MA34209-CRI2	2161	86345	18597	4593
19:22	MA34209-CRID2	2179	86682	18367	4694
19:25	MA34209-CRIA2	2180	86712	18401	4701
19:28	MA34209-ICSA2	1946	75502	18033	3745
19:32	MA34209-ICSAB2	1980	76092	18002	3804

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:35	MA34209-CCV7	2120	82586	18329	4248
19:38	MA34209-CCB7	2184	87273	18393	4719
19:41	ZZZZZZ	2169	86714	19330	4547
19:44	ZZZZZZ	1843	72679	17810	3493
19:47	ZZZZZZ	1967	75523	18143	3701
19:51	ZZZZZZ	1971	75131	18299	3721
19:54	ZZZZZZ	1964	75518	18267	3699
19:57	ZZZZZZ	1972	75612	18310	3703
20:00	ZZZZZZ	1959	75156	18226	3706
20:04	MA34209-CCV8	2131	83654	18213	4267
20:07	MA34209-CCB8	2211	87387	18342	4772
20:24	MP79962-MB1	2207	87859	18868	4770
20:27	MP79962-LC1	2162	86629	19088	4540
20:30	MP79962-S1	2069	82435	18998	4159
20:33	MP79962-S2	2071	82531	18874	4161
20:36	JB68355-3	2109	83455	18863	4306
20:39	MP79962-SD1	2180	85797	18343	4617
20:42	ZZZZZZ	2167	86305	18662	4548
20:45	ZZZZZZ	2113	84164	18945	4338
20:48	ZZZZZZ	2160	84934	19370	4312
20:52	ZZZZZZ	2135	85207	18631	4394
20:55	MA34209-CCV9	2137	82717	18106	4276
20:58	MA34209-CCB9	2208	87638	18366	4763
21:01	ZZZZZZ	2177	86179	18377	4552
21:04	ZZZZZZ	2151	85214	999999 !a	4494
21:07	ZZZZZZ	2160	86104	19022	4510
21:10	ZZZZZZ	2162	85774	19058	4511
21:13	ZZZZZZ	2154	85697	19122	4473
21:16	ZZZZZZ	2156	86068	19159	4490
21:20	ZZZZZZ	2168	86131	19009	4525
21:23	ZZZZZZ	2175	85961	18651	4540
21:26	ZZZZZZ	2133	84421	18539	4357
21:29	ZZZZZZ	2059	81008	18070	4092

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:32	MA34209-CCV10	2141	83583	18140	4288
21:35	MA34209-CCB10	2209	87529	18347	4775
21:38	ZZZZZZ	2139	84836	18745	4436
21:42	ZZZZZZ	2133	83578	18726	4400
21:45	ZZZZZZ	2216	87810	18831	4788
21:48	ZZZZZZ	2162	84708	18852	4220
21:51	ZZZZZZ	2121	84126	18895	4356
21:54	MP79887-MB1	2228	88984	18479	4814
21:57	MP79887-B1	2186	86047	18930	4480
22:00	ZZZZZZ	2092	81765	19083	4043
22:03	JB68173-1	2257	88779	19218	4514
22:07	JB68173-2	2306	88714	19456	4575
22:10	MA34209-CCV11	2136	83186	18155	4274
22:13	MA34209-CCB11	2217	88032	18194	4781
22:16	JB68173-3	2240	87829	19157	4418
22:19	JB68173-4	2182	88308	18974	4363
22:22	JB68173-5	2267	88604	19347	4515
22:25	JB68173-6	2261	88997	19118	4527
22:28	JB68173-7	2237	87821	19275	4397
22:31	JB68173-8	2241	88217	18881	4425
22:34	JB68173-9	2258	89268	19356	4389
22:37	JB68173-10	2245	87854	19081	4426
22:40	JB68173-11	2269	88399	19366	4450
22:44	JB68173-12	2274	89121	19854	4364
22:47	MA34209-CCV12	2138	82737	18061	4281
22:50	MA34209-CCB12	2209	87503	18128	4769
22:53	JB68173-13	2168	85244	18827	4335
22:56	JB68173-14	2301	90116	20072	4315
22:59	ZZZZZZ	2152	83670	19041	4138
23:02	MP79887-MB2	2247	88817	18614	4859
23:05	MP79887-B2	2166	84467	18652	4431
23:08	MP79887-S1	2186	85162	18749	4344
23:11	MP79887-S2	2197	85182	18774	4364

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:14	JB68264-9	2237	87759	18726	4531
23:17	MP79887-SD1	2227	87879	18416	4689
23:20	ZZZZZZ	2259	88332	18749	4588
23:23	MA34209-CCV13	2129	82777	18128	4264
23:26	MA34209-CCB13	2218	87917	18033	4782
23:30	MA34209-CRI3	2191	86503	18193	4651
23:33	MA34209-CRID3	2208	86972	18065	4743
23:36	MA34209-CRIA3	2215	87175	18254	4772
23:39	MA34209-CCV14	2127	82114	18025	4260
23:42	MA34209-CCB14	2227	86811	18017	4803
23:47	ZZZZZZ	2228	87048	18309	4587
23:50	ZZZZZZ	2172	84945	18554	4531
00:15	MP79914-MB2	2227	999999 !a	18353	4821
00:18	MP79914-LC2	2207	84857	18406	4439
00:21	MP79914-B2	2172	84149	17743	4451
00:24	MP79914-S1	2128	83055	18291	4144
00:27	MP79914-S2	2181	83107	18274	4274
00:30	JB68603-1A	2171	84416	18140	4300
00:33	MP79914-SD1	2207	85512	18072	4602
00:36	ZZZZZZ	2243	87439	18840	4511
00:39	MA34209-CCV15	2134	82524	17845	4279
00:42	MA34209-CCB15	2215	87084	18093	4784
00:46	ZZZZZZ	2208	85526	18714	4431
00:49	ZZZZZZ	2182	85095	18629	4338
00:52	ZZZZZZ	2266	88341	19294	4532
00:55	ZZZZZZ	2159	85287	18665	4272
00:58	ZZZZZZ	2193	85340	18537	4446
01:01	ZZZZZZ	2182	84631	18287	4467
01:04	ZZZZZZ	2188	86161	18447	4500
01:07	ZZZZZZ	No results reported for the elements associated with this internal standard.			
01:10	ZZZZZZ	2240	87384	18794	4452
01:13	ZZZZZZ	2218	86002	18503	4455
01:16	MA34209-CCV16	2127	82449	18062	4263

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:19	MA34209-CCB16	2214	86908	18172	4778
01:22	ZZZZZZ	2206	85445	18633	4458
01:26	ZZZZZZ	2239	86085	18920	4460
01:29	ZZZZZZ	2193	84604	18666	4377
01:32	ZZZZZZ	2228	86043	18417	4562
01:35	ZZZZZZ	2193	85717	18533	4350
01:38	ZZZZZZ	2187	84579	18295	4509
01:41	ZZZZZZ	2170	84114	18704	4166
01:44	MP79966-MB1	2243	88618	18333	4859
01:47	MP79966-LC1	2208	85832	18347	4431
01:50	MP79966-B1	2174	84436	18261	4452
01:53	MA34209-CCV17	2135	83290	17908	4281
01:56	MA34209-CCB17	2219	86740	17910	4784
01:59	MP79966-S1	2176	84119	19269	4294
02:02	MP79966-S2	2189	84666	18602	4330
02:05	JB68829-2	2243	86989	18619	4500
02:08	MP79966-SD1	2233	86030	18098	4669
02:11	ZZZZZZ	2246	86203	18606	4453
02:15	ZZZZZZ	2250	87434	18656	4490
02:18	ZZZZZZ	2264	87729	19013	4431
02:21	ZZZZZZ	2241	86660	18844	4433
02:24	ZZZZZZ	2252	87012	18787	4424
02:27	ZZZZZZ	2205	86126	18761	4297
02:30	MA34209-CCV18	2115	81893	17686	4241
02:33	MA34209-CCB18	2218	86608	17925	4790
02:36	ZZZZZZ	2202	86931	18488	4831
02:39	ZZZZZZ	2056	999999 !a	18036	3857
02:42	ZZZZZZ	2040	78945	17827	3861
02:45	ZZZZZZ	2060	78874	18322	3843
02:49	ZZZZZZ	2068	79188	18227	3858
02:52	ZZZZZZ	2075	78984	18106	3885
02:55	ZZZZZZ	2116	81311	18172	4040
02:58	ZZZZZZ	2158	83677	18304	4258

INTERNAL STANDARD SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34209
Parameters: Cd,Cr,Mg,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:01	ZZZZZZ	2162	83873	18208	4306
03:04	ZZZZZZ	2241	87073	18693	4455
03:07	MA34209-CCV19	2127	82355	17701	4259
03:10	MA34209-CCB19	2217	86494	17980	4788
03:13	ZZZZZZ	2226	86607	18416	4515
03:16	ZZZZZZ	2237	86574	18473	4494
03:20	ZZZZZZ	2226	86234	18304	4475
03:23	MA34209-CCV20	2126	82630	17730	4261
03:26	MA34209-CCB20	2215	86508	17891	4785
03:29	MA34209-CRIA4	2223	86505	17727	4799
03:32	MA34209-CRI4	2192	85012	17544	4665
03:35	MA34209-CRID4	2206	86164	17829	4754
03:38	MA34209-CCV21	2119	81606	17718	4248
03:41	MA34209-CCB21	2211	86218	17703	4779
03:44	ZZZZZZ	2180	85358	17701	4690
03:48	ZZZZZZ	2218	86854	17799	4797
03:51	ZZZZZZ	2216	86534	17902	4774
03:54	ZZZZZZ	2209	86874	17822	4759
03:57	ZZZZZZ	2168	86545	17918	4742
04:00	ZZZZZZ	2220	86139	17750	4782
04:04	ZZZZZZ	2215	80499	18417	4243
04:07	ZZZZZZ	2040	78869	17318	4058
04:10	ZZZZZZ	2223	86450	17904	4786
04:13	ZZZZZZ	2221	86084	17818	4799

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time: / Sample ID:			16:22 ICB1		16:32 CCB1		16:54 CCB2		17:30 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.01	anr							
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	0.20	<3.0	0.30	<3.0	0.20	<3.0	-0.10	<3.0
Calcium	5000	6	anr							
Chromium	10	.3	0.10	<10	0.0	<10	-0.10	<10	0.0	<10
Cobalt	50	.3	anr							
Copper	10	1.6	anr							
Iron	100	1.2	anr							
Lead	3.0	1.3	anr							
Lithium	20	2								
Magnesium	5000	14	-35	<5000	-29	<5000	-9.8	<5000	-17	<5000
Manganese	15	.04	anr							
Molybdenum	20	.3	anr							
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	-0.20	<10	-0.60	<10	0.10	<10	-0.70	<10
Sodium	10000	5.9	anr							
Sulfur	50	2.8								
Strontium	10	.04								
Thallium	2.0	1.9	0.50	<2.0	-0.30	<2.0	-0.30	<2.0	-0.50	<2.0
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time:			16:22		16:32		16:54		17:30	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time: / Sample ID:			18:05 CCB4		18:40 CCB5		19:16 CCB6		19:38 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.01	anr							
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	-0.10	<3.0	0.0	<3.0	0.0	<3.0	0.20	<3.0
Calcium	5000	6	anr							
Chromium	10	.3	0.0	<10	0.20	<10	-0.20	<10	0.30	<10
Cobalt	50	.3	anr							
Copper	10	1.6	anr							
Iron	100	1.2	anr							
Lead	3.0	1.3	anr							
Lithium	20	2								
Magnesium	5000	14	-23	<5000	-29	<5000	-4.1	<5000	-24	<5000
Manganese	15	.04	anr							
Molybdenum	20	.3	anr							
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	0.20	<10	0.20	<10	-0.20	<10	-0.50	<10
Sodium	10000	5.9	anr							
Sulfur	50	2.8								
Strontium	10	.04								
Thallium	2.0	1.9	-0.70	<2.0	0.50	<2.0	0.0	<2.0	-0.20	<2.0
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time: / Sample ID:			18:05 CCB4		18:40 CCB5		19:16 CCB6		19:38 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time: / Sample ID:			20:07 CCB8		20:58 CCB9		21:35 CCB10		22:13 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	4.8	anr							
Antimony	6.0	1.1	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.01	anr							
Bismuth	20	1.6								
Boron	100	6								
Cadmium	3.0	.2	0.20	<3.0	0.0	<3.0	0.0	<3.0	0.0	<3.0
Calcium	5000	6	anr							
Chromium	10	.3	0.50	<10	0.20	<10	0.30	<10	0.0	<10
Cobalt	50	.3	anr							
Copper	10	1.6	anr							
Iron	100	1.2	anr							
Lead	3.0	1.3	anr							
Lithium	20	2								
Magnesium	5000	14	-53	<5000	7.7	<5000	-2.6	<5000	-25	<5000
Manganese	15	.04	anr							
Molybdenum	20	.3	anr							
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	0.10	<10	-0.40	<10	-0.60	<10	-0.70	<10
Sodium	10000	5.9	anr							
Sulfur	50	2.8								
Strontium	10	.04								
Thallium	2.0	1.9	-0.80	<2.0	0.20	<2.0	0.70	<2.0	-0.30	<2.0
Tin	10	.7								
Titanium	10	.4								
Tungsten	50	.7								
Vanadium	50	.2	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time:			20:07		20:58		21:35		22:13	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.1								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time:			22:50		23:26		23:42	
Sample ID:			CCB12		CCB13		CCB14	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	4.8	anr					
Antimony	6.0	1.1	anr					
Arsenic	3.0	1	anr					
Barium	200	.2	anr					
Beryllium	1.0	.01	anr					
Bismuth	20	1.6						
Boron	100	6						
Cadmium	3.0	.2	0.10	<3.0	0.10	<3.0	0.20	<3.0
Calcium	5000	6	anr					
Chromium	10	.3	0.0	<10	0.10	<10	-0.10	<10
Cobalt	50	.3	anr					
Copper	10	1.6	anr					
Iron	100	1.2	anr					
Lead	3.0	1.3	anr					
Lithium	20	2						
Magnesium	5000	14	-24	<5000	-20	<5000	-29	<5000
Manganese	15	.04	anr					
Molybdenum	20	.3	anr					
Nickel	10	.5	anr					
Palladium	50	.9						
Potassium	10000	24	anr					
Selenium	10	2.6	anr					
Silicon	200	2						
Silver	10	.5	-0.20	<10	0.10	<10	-0.20	<10
Sodium	10000	5.9	anr					
Sulfur	50	2.8						
Strontium	10	.04						
Thallium	2.0	1.9	0.40	<2.0	0.40	<2.0	2.0	<2.0*(a)
Tin	10	.7						
Titanium	10	.4						
Tungsten	50	.7						
Vanadium	50	.2	anr					
Zinc	20	.3	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34209 Units: ug/l

Time:			22:50		23:26		23:42	
Sample ID:			CCB12		CCB13		CCB14	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zirconium	10	.1						

(*) 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 and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		16:19			16:29			16:51	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Calcium	anr								
Chromium	2000	1990	99.5	2000	2010	100.5	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	39200	98.0	40000	38800	97.0	40000	38700	96.8
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	242	96.8	250	243	97.2	250	242	96.8
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2070	103.5	2000	2090	104.5	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		16:19			16:29			16:51	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		17:27			18:02			18:38	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	1990	99.5	2000	2010	100.5
Calcium	anr								
Chromium	2000	2000	100.0	2000	2010	100.5	2000	2000	100.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	38400	96.0	40000	37800	94.5	40000	37300	93.3
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	239	95.6	250	240	96.0	250	238	95.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		17:27			18:02			18:38	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		19:13			19:35			20:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	1980	99.0	2000	1960	98.0
Calcium	anr								
Chromium	2000	1970	98.5	2000	1990	99.5	2000	1950	97.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	36600	91.5	40000	36800	92.0	40000	36200	90.5
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	236	94.4	250	237	94.8	250	233	93.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2050	102.5	2000	2030	101.5	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		19:13			19:35			20:04	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		20:55			21:32			22:10	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1950	97.5	2000	1940	97.0	2000	1940	97.0
Calcium	anr								
Chromium	2000	1970	98.5	2000	1960	98.0	2000	1950	97.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	36700	91.8	40000	36500	91.3	40000	36100	90.3
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	236	94.4	250	235	94.0	250	233	93.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		20:55			21:32			22:10	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		22:47			23:23			23:39	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1940	97.0	2000	1950	97.5	2000	1950	97.5
Calcium	anr								
Chromium	2000	1970	98.5	2000	1970	98.5	2000	1970	98.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	36500	91.3	40000	36200	90.5	40000	36000	90.0
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	235	94.0	250	234	93.6	250	234	93.6
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34209 Units: ug/l

Time:		22:47			23:23			23:39	
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

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34209 Units: ug/l

Time:				16:35		16:38		16:41	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.5	116.7	1.1	110.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	10.7	107.0	2.3	115.0		
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	5040	100.8	80.4	80.4		
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	4.7	94.0	0.80	80.0		
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.3	103.0	1.9	95.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34209 Units: ug/l

Time:				16:35		16:38		16:41	
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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34209 Units: ug/l

Time:				19:19		19:22		19:25	
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	3.5	116.7	1.0	100.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	10.1	101.0	1.5	75.0		
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	4800	96.0	92.0	92.0		
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	4.8	96.0	0.70	70.0		
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	9.0	90.0	1.3U	0.0* (a)		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34209 Units: ug/l

Time:				19:19		19:22		19:25	
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
(a) No samples reported for TLNJ in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34209 Units: ug/l

Time:				23:30		23:33		23:36	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.1	110.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	10.3	103.0	1.7	85.0		
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	4780	95.6	88.9	88.9		
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	4.6	92.0				
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.8	108.0	3.3	165.0*(a		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34209 Units: ug/l

Time:				23:30		23:33		23:36	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA3	
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.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34209 Units: ug/l

Time:			16:45		16:48		19:28		19:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	485000	97.0	488000	97.6	492000	98.4	495000	99.0
Antimony		1000	4.8		1040	104.0	3.9		1010	101.0
Arsenic		1000	0.60		1070	107.0	3.9		1040	104.0
Barium		500	-1.4		483	96.6	-1.5		478	95.6
Beryllium		500	-0.10		482	96.4	-0.20		461	92.2
Bismuth		500	24.0		525	105.0	23.0		509	101.8
Boron			-4.3		-3.0		-2.9		-1.1	
Cadmium		1000	2.0		1000	100.0	1.7		977	97.7
Calcium	400000	400000	373000	93.3	371000	92.8	361000	90.3	356000	89.0
Chromium		500	0.30		477	95.4	0.50		471	94.2
Cobalt		500	-0.40		486	97.2	-0.20		473	94.6
Copper		500	-2.6		503	100.6	-3.0		490	98.0
Iron	200000	200000	184000	92.0	187000	93.5	171000	85.5	176000	88.0
Lead		1000	-2.4		964	96.4	-0.10		941	94.1
Lithium		500	7.8		522	104.4	5.0		510	102.0
Magnesium	500000	500000	490000	98.0	490000	98.0	462000	92.4	467000	93.4
Manganese		500	1.2		489	97.8	0.10		480	96.0
Molybdenum		500	-0.70		492	98.4	-1.0		479	95.8
Nickel		1000	1.3		977	97.7	1.2		951	95.1
Palladium		500	19.6		524	104.8	19.2		513	102.6
Potassium			139		160		169		122	
Selenium		1000	8.4		1070	107.0	5.7		1030	103.0
Silicon			-18		-18		-20		-16	
Silver		1000	0.60		999	99.9	-6.8		975	97.5
Sodium			-30		-23		133		83.0	
Sulfur		500	-9.3		480	96.0	-12		466	93.2
Strontium			-5.0		-5.0		-4.8		-4.4	
Thallium		1000	2.6		973	97.3	4.3* (a)		942	94.2
Tin			-1.1		-0.60		-1.6		-0.80	
Titanium			1.2		1.3		0.30		1.0	
Tungsten		500	12.5		570	114.0	7.3		551	110.2
Vanadium		500	0.90		469	93.8	1.0		460	92.0
Zinc		1000	-0.90		957	95.7	-1.0		930	93.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061014M2.ICP Date Analyzed: 06/10/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34209 Units: ug/l

Time:			16:45		16:48		19:28		19:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-0.10		0.0	0.0*	-0.90		-0.70	0.0*

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for TLNJ in the area bracketed by this QC.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34221
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:07	MA34221-STD1	1		STDA
11:08	MA34221-STD2	1		STDB
11:09	MA34221-STD3	1		STDC
11:11	MA34221-STD4	1		STDD
11:12	MA34221-STD5	1		STDE
11:14	MA34221-STD6	1		STDF
11:16	MA34221-STD7	1		STDE
11:24	MA34221-STD8	1		STDE
11:29	MA34221-ICV1	1		
11:30	MA34221-ICB1	1		
11:31	MA34221-CCV1	1		
11:33	MA34221-CCB1	1		
11:34	MA34221-CRI1	1		
11:51	MP80004-MB1	1		
11:52	MP80004-LC1	2		
11:53	MP80004-S1	1		
11:55	MP80004-S2	1		
11:56	JB68921-9A	1		(sample used for QC only; not part of login JB68173)
11:58	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:00	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:03	MA34221-CCV2	1		
12:05	MA34221-CCB2	1		
12:06	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:10	ZZZZZZ	10		
12:12	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:14	ZZZZZZ	10		
12:16	ZZZZZZ	1		
12:17	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34221
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:18	ZZZZZZ	1		
12:19	MA34221-CCV3	1		
12:21	MA34221-CCB3	1		
12:22	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:46	MP80005-MB1	1		
12:47	MA34221-CCV4	1		
12:49	MA34221-CCB4	1		
12:50	MP80005-LC1	2		
12:51	MP80005-S1	1		
12:53	MP80005-S2	1		
12:54	ZZZZZZ	1		
12:56	JB68173-1	1		
12:57	JB68173-2	1		
12:58	JB68173-3	1		
13:00	JB68173-4	1		
13:01	JB68173-5	1		
13:02	JB68173-6	1		
13:04	MA34221-CCV5	1		
13:05	MA34221-CCB5	1		
13:07	JB68173-7	1		
13:08	JB68173-8	1		
13:09	JB68173-9	1		
13:10	JB68173-10	1		
13:29	JB68173-11	1		
13:31	JB68173-12	1		
13:32	JB68173-13	1		
---------->	Last reportable sample/prep for job JB68173			
13:33	JB68173-14	1		Low % SOl

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34221
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:35	ZZZZZZ	1		
	13:36	ZZZZZZ	1		
	13:37	MA34221-CCV6	1		
	13:39	MA34221-CCB6	1		
---------->	Last reportable CCB for job JB68173				
	13:40	ZZZZZZ	1		
	13:42	ZZZZZZ	1		
	13:43	ZZZZZZ	1		
	13:55	MP80006-MB1	1		
	13:56	MP80006-LC1	2		
	13:57	MP80006-S1	1		
	13:59	MP80006-S2	1		
	14:00	JB68924-1A	1		(sample used for QC only; not part of login JB68173)
	14:02	ZZZZZZ	1		
	14:03	ZZZZZZ	1		
	14:05	MA34221-CCV7	1		
	14:06	MA34221-CCB7	1		
	14:07	ZZZZZZ	1		
	14:09	ZZZZZZ	1		
	14:10	ZZZZZZ	1		
	14:11	ZZZZZZ	1		
	14:13	ZZZZZZ	1		
	14:14	ZZZZZZ	1		
	14:15	ZZZZZZ	1		
	14:17	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:19	ZZZZZZ	1		
	14:21	MA34221-CCV8	1		
	14:22	MA34221-CCB8	1		
	14:23	ZZZZZZ	1		
	14:25	ZZZZZZ	1		
	14:26	ZZZZZZ	1		
	14:27	ZZZZZZ	1		
	14:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34221
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:33	MP80007-MB1	1		
14:34	MP80007-LC1	2		
14:35	MP80007-S1	1		
14:37	MA34221-CCV9	1		
14:38	MA34221-CCB9	1		
14:40	MP80007-S2	1		
14:41	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:44	JB68939-1	1		(sample used for QC only; not part of login JB68173)
14:45	ZZZZZZ	1		
14:47	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:19	MA34221-CCV10	1		
15:20	MA34221-CCB10	1		
15:22	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:41	MA34221-CCV11	1		
15:42	MA34221-CCB11	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34221 Units: ug/l

Time: / Sample ID:			11:30 ICB1		11:33 CCB1		12:05 CCB2		12:21 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	0.0083	<0.20	0.011	<0.20	-0.034	<0.20	0.023	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34221 Units: ug/l

Time:			12:49		13:05		13:39	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.038	0.0088	<0.20	-0.024	<0.20	-0.00070	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34221 Units: ug/l

Time:		11:29			11:31			12:03	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	2.5	2.6	104.0	2.5	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34221 Units: ug/l

Time:		12:19			12:47			13:04	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.8	112.0	2.5	2.8	112.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34221 Units: ug/l

Time:		13:37	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Mercury	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

10.6.2 10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061214S1.CSV Date Analyzed: 06/12/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34221 Units: ug/l

Time:			11:34	
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

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34231
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:18	MA34231-STD1	1		STDA
11:20	MA34231-STD2	1		STDB
11:21	MA34231-STD3	1		STDC
11:22	MA34231-STD4	1		STDD
11:24	MA34231-STD5	1		STDE
11:25	MA34231-STD6	1		STDF
11:33	MA34231-STD7	1		STDB
11:34	MA34231-STD8	1		STDC
11:37	MA34231-ICV1	1		
11:39	MA34231-ICB1	1		
11:40	MA34231-CCV1	1		
11:41	MA34231-CCB1	1		
11:43	MA34231-CRI1	1		
11:45	MP80029-MB1	1		
11:47	MP80029-LC1	2		
11:48	MP80029-S1	1		
11:50	MP80029-S2	1		
11:51	JB68314-1	1		(sample used for QC only; not part of login JB68173)
11:53	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:57	ZZZZZZ	1		
11:58	MA34231-CCV2	1		
12:00	MA34231-CCB2	1		
12:01	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:05	ZZZZZZ	1		
12:07	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:12	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34231
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:14	ZZZZZZ	1		
12:15	MA34231-CCV3	1		
12:17	MA34231-CCB3	1		
12:18	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:26	MP80030-MB1	1		
12:27	MP80030-LC1	2		
12:28	MP80030-S1	1		
12:30	MP80030-S2	1		
12:31	ZZZZZZ	1		
12:33	MA34231-CCV4	1		
12:34	MA34231-CCB4	1		
12:36	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:40	JB68314-25	1		(sample used for QC only; not part of login JB68173)
12:41	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:50	MA34231-CCV5	1		
12:51	MA34231-CCB5	1		
12:53	ZZZZZZ	1		
12:54	JB68173-14	1		
---------->	Last reportable sample/prep for job JB68173			
12:56	ZZZZZZ	5		
13:01	ZZZZZZ	2		
13:03	ZZZZZZ	5		
13:06	ZZZZZZ	50		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34231
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:07	ZZZZZZ	5		
13:11	ZZZZZZ	10		
13:14	MA34231-CCV6	1		
13:15	MA34231-CCB6	1		

----------> Last reportable CCB for job JB68173
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34231 Units: ug/l

Time: / Sample ID:			11:39 ICB1		11:41 CCB1		12:00 CCB2		12:17 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.021	<0.20	-0.026	<0.20	-0.057	<0.20	0.039	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34231 Units: ug/l

Time:			12:34		12:51		13:15	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.024	<0.20	-0.0040	<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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34231 Units: ug/l

Time:		11:37			11:40			11:58	
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

10.7.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34231 Units: ug/l

Time:		12:15			12:33			12:50	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.7	108.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

10.7.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34231 Units: ug/l

Time:		13:14	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Mercury	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061314S1.CSV Date Analyzed: 06/13/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34231 Units: ug/l

Time:			11:43	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.18	90.0

(*) Outside of QC limits
(anr) Analyte not requested

10.7.3 10

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				06/03/14		06/03/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	4.8	11	-12	<200	-8.9	<200
Antimony	6.0	.8	2.6	-0.50	<6.0	1.3	<6.0
Arsenic	3.0	.8	2.6	0.0	<3.0	-0.90	<3.0
Barium	200	.2	1	0.40	<200	0.0	<200
Beryllium	1.0	.01	.4	0.0	<1.0	0.0	<1.0
Bismuth	20	1.4	2.4				
Boron	100	.7	4.9				
Cadmium	3.0	.2	.7	0.20	<3.0	0.20	<3.0
Calcium	5000	6	19	64.0	<5000	13.5	<5000
Chromium	10	.3	.89	-0.30	<10	-0.10	<10
Cobalt	50	.3	.83	-0.40	<50	-0.40	<50
Copper	10	1.6	1.2	-0.90	<10	-0.40	<10
Iron	100	1.2	12	1.6	<100	4.2	<100
Lead	3.0	.9	1.3	-1.4	<3.0	-0.10	<3.0
Lithium	20	1	2.8				
Magnesium	5000	14	41	-19	<5000	-30	<5000
Manganese	15	.04	.48	0.10	<15	0.10	<15
Molybdenum	20	.3	1.1				
Nickel	10	.4	.75	-0.30	<10	-0.10	<10
Palladium	50	.9	3.2				
Potassium	10000	24	50	-30	<10000	24.0	<10000
Selenium	10	1.7	3.6	-1.3	<10	-1.2	<10
Silicon	200	2	24				
Silver	10	.3	1.2	0.10	<10	0.70	<10
Sodium	10000	5.9	19	201	<10000	193	<10000
Sulfur	50	2.8	10				
Strontium	10	.04	.76				
Thallium	2.0	1.3	1.8	-0.90	<2.0	0.80	<2.0
Tin	10	.6	3.6				
Titanium	10	.3	.93				
Tungsten	50	.7	14				
Vanadium	50	.2	.87	-0.30	<50	-0.40	<50
Zinc	20	.3	7.6	2.7	<20	1.2	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:				06/03/14		06/03/14	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Zirconium	10	.1	1.9				

Associated samples MP79830: JB68173-15

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/14

Metal	JB68110-2 Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum	279	2390	2000	105.6	75-125
Antimony	0.0	516	500	103.2	75-125
Arsenic	20.6	2080	2000	103.0	75-125
Barium	210	2290	2000	104.0	75-125
Beryllium	0.0	53.0	50	106.0	75-125
Bismuth					
Boron					
Cadmium	0.30	49.2	50	97.8	75-125
Calcium	34800	62100	25000	109.2	75-125
Chromium	1.4	214	200	106.3	75-125
Cobalt	0.0	516	500	103.2	75-125
Copper	10.5	262	250	100.6	75-125
Iron	1470	2640	1000	117.0	75-125
Lead	0.0	521	500	104.2	75-125
Lithium					
Magnesium	17300	44300	25000	108.0	75-125
Manganese	279	824	500	109.0	75-125
Molybdenum					
Nickel	1.2	518	500	103.4	75-125
Palladium					
Potassium	1540	27200	25000	102.6	75-125
Selenium	0.0	1970	2000	98.5	75-125
Silicon					
Silver	0.70	52.7	50	104.0	75-125
Sodium	13500	40500	25000	108.0	75-125
Sulfur					
Strontium					
Thallium	0.0	2120	2000	106.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	1.0	496	500	99.0	75-125
Zinc	30.8	552	500	104.2	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/14

Metal	JB68110-2 Original MS	Spikelot MPIRW1	% Rec	QC Limits
Zirconium				

Associated samples MP79830: JB68173-15

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/14

Metal	JB68110-2 Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum	279	2360	2000	104.1	1.3	20
Antimony	0.0	513	500	102.6	0.6	20
Arsenic	20.6	2070	2000	102.5	0.5	20
Barium	210	2260	2000	102.5	1.3	20
Beryllium	0.0	52.3	50	104.6	1.3	20
Bismuth						
Boron						
Cadmium	0.30	49.1	50	97.6	0.2	20
Calcium	34800	60400	25000	102.4	2.8	20
Chromium	1.4	211	200	104.8	1.4	20
Cobalt	0.0	513	500	102.6	0.6	20
Copper	10.5	260	250	99.8	0.8	20
Iron	1470	2580	1000	111.0	2.3	20
Lead	0.0	517	500	103.4	0.8	20
Lithium						
Magnesium	17300	43300	25000	104.0	2.3	20
Manganese	279	818	500	107.8	0.7	20
Molybdenum						
Nickel	1.2	516	500	103.0	0.4	20
Palladium						
Potassium	1540	26600	25000	100.2	2.2	20
Selenium	0.0	1980	2000	99.0	0.5	20
Silicon						
Silver	0.70	51.9	50	102.4	1.5	20
Sodium	13500	39600	25000	104.4	2.2	20
Sulfur						
Strontium						
Thallium	0.0	2110	2000	105.5	0.5	20
Tin						
Titanium						
Tungsten						
Vanadium	1.0	492	500	98.2	0.8	20
Zinc	30.8	549	500	103.6	0.5	20

10.8.2 10

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ACCUTEST LABORATORIES
JB68173

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/14

Metal	JB68110-2 Original MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP79830: JB68173-15

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			06/03/14				06/03/14	
Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	4990	5000	99.8	80-120	4950	5000	99.0	80-120
Antimony	503	500	100.6	80-120	500	500	100.0	80-120
Arsenic	500	500	100.0	80-120	494	500	98.8	80-120
Barium	511	500	102.2	80-120	505	500	101.0	80-120
Beryllium	501	500	100.2	80-120	499	500	99.8	80-120
Bismuth								
Boron								
Cadmium	492	500	98.4	80-120	487	500	97.4	80-120
Calcium	5480	5500	99.6	80-120	5470	5500	99.5	80-120
Chromium	514	500	102.8	80-120	510	500	102.0	80-120
Cobalt	493	500	98.6	80-120	490	500	98.0	80-120
Copper	487	500	97.4	80-120	483	500	96.6	80-120
Iron	5500	5500	100.0	80-120	5470	5500	99.5	80-120
Lead	517	500	103.4	80-120	512	500	102.4	80-120
Lithium								
Magnesium	5420	5500	98.5	80-120	5400	5500	98.2	80-120
Manganese	513	500	102.6	80-120	509	500	101.8	80-120
Molybdenum								
Nickel	501	500	100.2	80-120	498	500	99.6	80-120
Palladium								
Potassium	10000	10000	100.0	80-120	9960	10000	99.6	80-120
Selenium	487	500	97.4	80-120	481	500	96.2	80-120
Silicon								
Silver	194	200	97.0	80-120	193	200	96.5	80-120
Sodium	10300	10000	103.0	80-120	10200	10000	102.0	80-120
Sulfur								
Strontium								
Thallium	534	500	106.8	80-120	530	500	106.0	80-120
Tin								
Titanium								
Tungsten								
Vanadium	480	500	96.0	80-120	476	500	95.2	80-120
Zinc	513	500	102.6	80-120	510	500	102.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:		06/03/14				06/03/14		
Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium								

Associated samples MP79830: JB68173-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/03/14

Metal	JB68110-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	279	227	18.6*(a)	0-10
Antimony	0.00	6.00	NC	0-10
Arsenic	20.6	21.7	5.3	0-10
Barium	210	220	4.3	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.300	0.00	100.0(b)	0-10
Calcium	34800	36700	5.5	0-10
Chromium	1.40	0.00	100.0(b)	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	10.5	0.00	100.0(b)	0-10
Iron	1470	1540	5.1	0-10
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	17300	18200	5.2	0-10
Manganese	279	296	6.2	0-10
Molybdenum				
Nickel	1.20	0.00	100.0(b)	0-10
Palladium				
Potassium	1540	1320	14.3*(a)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.700	0.00	100.0(b)	0-10
Sodium	13500	14600	7.8	0-10
Sulfur				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	1.00	1.10	10.0	0-10
Zinc	30.8	46.0	49.4*(a)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79830 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/03/14

Metal	JB68110-2 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP79830: JB68173-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/05/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.48	1.3	0.44	<51
Antimony	2.0	.081	.27	-0.061	<2.0
Arsenic	2.0	.081	.29	-0.061	<2.0
Barium	20	.02	.079	0.071	<20
Beryllium	0.20	.00099	.02	0.0	<0.20
Bismuth	2.0	.14	.23		
Boron	9.9	.071	.18		
Cadmium	0.50	.02	.05	0.020	<0.51
Calcium	500	.59	3	10.5	<510
Chromium	0.99	.03	.069	0.76	<1.0 (a)
Cobalt	5.0	.03	.059	0.020	<5.1
Copper	2.5	.16	.15	0.051	<2.5
Iron	50	.12	.95	3.2	<51
Lead	2.0	.091	.21	0.081	<2.0
Lithium	2.0	.1	.2		
Magnesium	500	1.4	3.3	1.4	<510
Manganese	1.5	.004	.059	0.040	<1.5
Molybdenum	2.0	.03	.069		
Nickel	4.0	.04	.099	0.030	<4.0
Palladium	5.0	.089	.26		
Potassium	990	2.3	4	5.1	<1000
Selenium	2.0	.17	.33	0.13	<2.0
Silicon	20	.2	3.9		
Silver	0.50	.03	.14	0.051	<0.51
Sodium	990	.58	1.9	6.9	<1000
Strontium	0.99	.004	.03		
Sulfur	5.0	.28	1		
Thallium	0.99	.13	.41	0.0	<1.0
Tin	5.0	.061	1.2		
Titanium	0.99	.03	.099		
Tungsten	5.0	.069	4.4		
Vanadium	5.0	.02	.089	-0.030	<5.1
Zinc	2.0	.03	.38	0.29	<2.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/05/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.0099	.26		

Associated samples MP79887: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >10x MB value.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	JB68264-9 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	4830	13200	6550	127.8N(a	75-125
Antimony	0.0	57.5	121	47.4N(a)	75-125
Arsenic	1.4	435	485	89.4	75-125
Barium	30.2	501	485	97.1	75-125
Beryllium	0.21	11.9	12.1	96.4	75-125
Bismuth					
Boron					
Cadmium	0.36	11.4	11.3	97.7	75-125
Calcium	803	2380	1520	104.0	75-125
Chromium	9.1	49.8	45.2	90.0	75-125
Cobalt	2.2	110	121	88.9	75-125
Copper	4.0	59.6	60.6	91.7	75-125
Iron	7340	14800	6310	118.3	75-125
Lead	3.2	113	121	90.5	75-125
Lithium					
Magnesium	994	2660	1520	109.9	75-125
Manganese	152	323	121	141.0N(a	75-125
Molybdenum					
Nickel	4.8	118	121	93.3	75-125
Palladium					
Potassium	619	2420	1520	118.8	75-125
Selenium	0.69	466	485	95.9	75-125
Silicon					
Silver	0.58	12.6	12.1	99.1	75-125
Sodium	109	1590	1520	97.7	75-125
Strontium					
Sulfur					
Thallium	0.51	421	485	86.7	75-125
Tin					
Titanium					
Tungsten					
Vanadium	10.5	117	121	87.8	75-125
Zinc	10.8	124	121	93.3	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	JB68264-9 Original MS	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP79887: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/09/14

Metal	JB68264-9 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	4830	12100	6550	111.0	8.7	20
Antimony	0.0	61.8	121	51.0N(a)	7.2	20
Arsenic	1.4	431	485	88.6	0.9	20
Barium	30.2	492	485	95.2	1.8	20
Beryllium	0.21	11.9	12.1	96.4	0.0	20
Bismuth						
Boron						
Cadmium	0.36	11.9	11.6	99.1	4.3	20
Calcium	803	2370	1520	103.4	0.4	20
Chromium	9.1	50.6	46.6	89.1	1.6	20
Cobalt	2.2	109	121	88.1	0.9	20
Copper	4.0	58.4	60.6	89.7	2.0	20
Iron	7340	13200	6310	92.9	11.4	20
Lead	3.2	113	121	90.5	0.0	20
Lithium						
Magnesium	994	2430	1520	94.7	9.0	20
Manganese	152	288	121	112.2	11.5	20
Molybdenum						
Nickel	4.8	117	121	92.5	0.9	20
Palladium						
Potassium	619	2250	1520	107.6	7.3	20
Selenium	0.69	463	485	95.3	0.6	20
Silicon						
Silver	0.58	12.4	12.1	97.5	1.6	20
Sodium	109	1580	1520	97.0	0.6	20
Strontium						
Sulfur						
Thallium	0.51	421	485	86.7	0.0	20
Tin						
Titanium						
Tungsten						
Vanadium	10.5	115	121	86.2	1.7	20
Zinc	10.8	123	121	92.5	0.8	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/09/14

Metal	JB68264-9 Original MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP79887: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/05/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	5260	5450	96.4	80-120
Antimony	93.4	101	92.5	80-120
Arsenic	370	404	91.6	80-120
Barium	395	404	97.8	80-120
Beryllium	9.9	10.1	98.0	80-120
Bismuth				
Boron				
Cadmium	10.4	10.1	103.0	80-120
Calcium	1180	1260	93.5	80-120
Chromium	38.3	40.4	94.8	80-120
Cobalt	89.0	101	88.1	80-120
Copper	45.8	50.5	90.7	80-120
Iron	4750	5250	90.4	80-120
Lead	91.6	101	90.7	80-120
Lithium				
Magnesium	1090	1260	86.3	80-120
Manganese	94.1	101	93.2	80-120
Molybdenum				
Nickel	93.5	101	92.6	80-120
Palladium				
Potassium	1200	1260	95.0	80-120
Selenium	400	404	99.0	80-120
Silicon				
Silver	10.0	10.1	99.0	80-120
Sodium	1240	1260	98.2	80-120
Strontium				
Sulfur				
Thallium	359	404	88.9	80-120
Tin				
Titanium				
Tungsten				
Vanadium	88.5	101	87.6	80-120
Zinc	95.3	101	94.3	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/05/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP79887: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/09/14

Metal	JB68264-9 Original	SDL 1:5	%DIF	QC Limits
Aluminum	40700	39400	3.1	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	12.1	8.70	28.1 (a)	0-10
Barium	255	255	0.3	0-10
Beryllium	1.80	1.50	16.7 (a)	0-10
Bismuth				
Boron				
Cadmium	3.00	3.60	20.0 (a)	0-10
Calcium	6760	6630	2.0	0-10
Chromium	76.2	78.3	2.8	0-10
Cobalt	18.9	20.0	5.8	0-10
Copper	33.5	34.9	4.2	0-10
Iron	61800	64600	4.5	0-10
Lead	27.1	28.8	6.3	0-10
Lithium				
Magnesium	8370	8680	3.7	0-10
Manganese	1280	1380	7.9	0-10
Molybdenum				
Nickel	40.0	39.2	2.0	0-10
Palladium				
Potassium	5210	5160	1.0	0-10
Selenium	5.80	10.2	75.9 (a)	0-10
Silicon				
Silver	4.90	5.60	14.3 (a)	0-10
Sodium	915	908	0.8	0-10
Strontium				
Sulfur				
Thallium	4.30	0.00	100.0(a)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	88.5	90.7	2.5	0-10
Zinc	90.6	95.1	5.0	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79887 Methods: SW846 6010C
Matrix Type: SOLID Units: ug/l

Prep Date: 06/09/14

Metal	JB68264-9 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP79887: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13, JB68173-14

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79896
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/05/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.031	.064	0.011	<0.20

Associated samples MP79896: JB68173-15

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79896
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/05/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.0	2	100.0	80-120

Associated samples MP79896: JB68173-15

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80005
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/12/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0063	.0075	0.0065	<0.033

Associated samples MP80005: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80005
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/12/14

Metal	JB68173-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	0.43	0.367	117.3	75-125

Associated samples MP80005: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80005
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/12/14

Metal	JB68173-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.42	0.381	110.4	2.4	20

Associated samples MP80005: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80005
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/12/14

Metal	LCS Result	Spikelot HGLCS54082	% Rec	QC Limits
Mercury	6.2	5.76	107.6	71-129

Associated samples MP80005: JB68173-1, JB68173-2, JB68173-3, JB68173-4, JB68173-5, JB68173-6, JB68173-7, JB68173-8, JB68173-9, JB68173-10, JB68173-11, JB68173-12, JB68173-13

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80030 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/13/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0063	.0075	-0.0071	<0.033

Associated samples MP80030: JB68173-14

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80030
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/13/14

Metal	JB68314-25 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.28	0.67	0.364	107.2	75-125

Associated samples MP80030: JB68173-14

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80030 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/13/14

Metal	JB68314-25 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.28	0.64	0.376	95.9	4.6	20

Associated samples MP80030: JB68173-14

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: JB68173
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80030
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/13/14

Metal	LCS Result	Spikelot HGLCS54082% Rec		QC Limits
Mercury	5.2	5.76	90.3	71-129

Associated samples MP80030: JB68173-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB68173
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:
MA34221,MA34231

Instrument Detection Limits

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 05/19/14

Analyte	IDL ug/l
Mercury	.0314

The above applies to the following instrument runs:
MA34168

Instrument Detection Limits

Job Number: JB68173
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:
MA34179

Instrument Detection Limits

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE5 **Effective Date:** 04/02/14

Analyte	IDL ug/l
Aluminum	4.8
Antimony	1.1
Arsenic	1
Barium	.2
Beryllium	.01
Bismuth	1.6
Boron	6
Cadmium	.2
Calcium	6
Chromium	.3
Cobalt	.3
Copper	1.6
Iron	1.2
Lead	1.3
Lithium	2
Magnesium	13.7
Manganese	.04
Molybdenum	.3
Nickel	.5
Palladium	.9
Potassium	23.6
Selenium	2.6
Silicon	2
Silver	.5
Sodium	5.9
Sulfur	2.8
Strontium	.04
Thallium	1.9
Tin	.7
Titanium	.4
Tungsten	.7
Vanadium	.2
Zinc	.3
Zirconium	.1

The above applies to the following instrument runs:
MA34160,MA34171,MA34209

Instrument Linear Ranges

Job Number: JB68173
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:
MA34221,MA34231

Instrument Linear Ranges

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34168

Instrument Linear Ranges

Job Number: JB68173
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:
MA34179

Instrument Linear Ranges

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE5 **Effective Date:** 04/09/14

Analyte	Linear Range ug/l
Aluminum	750000
Antimony	50000
Arsenic	10000
Barium	25000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	25000
Copper	50000
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	10000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA34160,MA34171,MA34209

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/4/2014 11:23:38 Type: Cal
Method: Accutest 2(v53) 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	**.0074**	**.0000**	**-.0005**	**.0001**	**.0000**	**.0049**	**-.0000**	**.0003**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.0000	.0000	.0000	.0000	.0000
%RSD	1.385	19.99	12.32	65.65	63.88	.3974	124.2	15.35	10.29
#1	.0073	.0000	-.0004	.0001	.0000	.0049	-.0000	.0003	-.0004
#2	.0075	.0000	-.0005	.0002	.0000	.0050	-.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	**.0001**	**.0005**	**.0003**	**.0001**	**.0000**	**-.0002**	**-.0002**	**.0003**	**.0033**
Stddev	.0000	.0000	.0001	.0000	.0001	.0002	.0002	.0001	.0002
%RSD	32.53	8.260	44.88	37.94	1045.	74.74	103.1	31.84	5.016
#1	.0001	.0004	.0002	.0001	.0001	-.0001	-.0004	.0003	.0032
#2	.0001	.0005	.0003	.0001	-.0001	-.0003	-.0001	.0004	.0034

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**	**.0002**	**.0016**	**-.0030**	**.0001**	**.0003**	**.0006**	**.0021**	**.0000**
Stddev	.0000	.0000	.0000	.0001	.0001	.0000	.0000	.0001	.0000
%RSD	31.10	13.41	1.341	4.401	63.92	2.530	4.652	3.327	131.3
#1	.0001	.0003	.0016	-.0031	.0002	.0003	.0007	.0021	.0000
#2	.0001	.0002	.0016	-.0029	.0001	.0003	.0006	.0022	.0000

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**	**-.0002**	**.0021**	**-.0002**	**.0004**	**-.0012**	**.0025**
Stddev	.0004	.0001	.0001	.0001	.0001	.0003	.0004
%RSD	314.3	31.32	4.507	36.12	20.69	22.81	17.78
#1	-.0001	-.0002	.0020	-.0003	.0003	-.0010	.0021
#2	.0004	-.0003	.0022	-.0002	.0004	-.0014	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89398.**	**18993.**	**2336.6**	**4924.3**
Stddev	94.	85.	4.5	8.3
%RSD	.10547	.44610	.19258	.16855
#1	89331.	18933.	2339.8	4930.1
#2	89465.	19053.	2333.4	4918.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/4/2014 11:26:49 Type: Cal
Method: Accutest 2(v53) 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	**5.710**	**5.377**	**3.146**	**1.835**	**.3386**	**.6775**	**1.948**	**1.313**	**.0482**
Stddev	.008	.025	.015	.007	.0010	.0009	.002	.003	.0002
%RSD	.1342	.4598	.4726	.3755	.2901	.1362	.0844	.2143	.4739
#1	5.705	5.360	3.136	1.830	.3379	.6768	1.946	1.312	.0480
#2	5.716	5.395	3.157	1.839	.3393	.6781	1.949	1.315	.0483

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	**.4986**	**4.161**	**.3758**	**.1921**	**.5963**	**.2774**	**.5627**	**2.479**	**3.784**
Stddev	.0006	.011	.0021	.0008	.0014	.0012	.0039	.006	.014
%RSD	.1239	.2539	.5601	.3958	.2431	.4418	.6873	.2555	.3606
#1	.4981	4.154	.3743	.1916	.5953	.2765	.5600	2.475	3.775
#2	.4990	4.169	.3772	.1927	.5973	.2782	.5654	2.484	3.794

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.122**	**.3104**	**1.795**	**6.480**	**.8261**	**3.021**	**.1571**	**2.089**	**.6854**
Stddev	.010	.0014	.001	.000	.0041	.010	.0006	.009	.0014
%RSD	.4618	.4591	.0440	.0058	.4956	.3305	.4084	.4321	.2027
#1	2.115	.3094	1.796	6.480	.8232	3.014	.1566	2.082	.6844
#2	2.129	.3114	1.795	6.480	.8290	3.028	.1575	2.095	.6864

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**9.996**	**.4583**	**1.351**	**1.150**	**.2144**	**.7036**	**2.085**
Stddev	.070	.0008	.004	.002	.0012	.0045	.000
%RSD	.6971	.1660	.3176	.1537	.5721	.6442	.0177
#1	9.947	.4578	1.348	1.149	.2135	.7004	2.085
#2	10.05	.4589	1.354	1.151	.2153	.7068	2.084

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**82479.**	**18677.**	**2175.4**	**4286.1**
Stddev	221.	16.	8.7	15.0
%RSD	.26844	.08428	.40055	.35020
#1	82636.	18666.	2181.6	4296.7
#2	82323.	18688.	2169.3	4275.5

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/4/2014 11:29:48 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.023**	**1.999**	**2.013**	**2.029**	**1.971**	**2.034**	**2.032**	**.2475**
Stddev	.004	.001	.010	.009	.004	.003	.003	.007	.0007
%RSD	.2020	.0424	.4779	.4541	.2236	.1730	.1596	.3649	.2926
#1	2.017	2.023	1.993	2.006	2.025	1.968	2.031	2.027	.2481
#2	2.011	2.022	2.006	2.019	2.032	1.973	2.036	2.038	.2470
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**	**2.041**	**2.003**	**2.068**	**2.040**	**2.002**	**2.011**	**39.58**	**39.85**
Stddev	.006	.007	.017	.009	.006	.011	.010	.04	.03
%RSD	.2903	.3401	.8460	.4171	.3119	.5345	.5126	.1019	.0807
#1	1.998	2.036	1.991	2.061	2.036	1.995	2.004	39.61	39.83
#2	2.006	2.046	2.015	2.074	2.045	2.010	2.019	39.56	39.87
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	**40.11**	**40.00**	**39.61**	**39.94**	**2.038**	**2.022**	**1.993**	**4.991**	**2.049**
Stddev	.08	.14	.06	.07	.014	.009	.012	.035	.009
%RSD	.1944	.3531	.1509	.1677	.6964	.4502	.5968	.6933	.4295
#1	40.17	40.10	39.66	39.98	2.028	2.015	1.984	4.966	2.043
#2	40.06	39.91	39.57	39.89	2.048	2.028	2.001	5.015	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: 6/4/2014 11:29:48 Type: QC
Method: Accutest 2(v53) 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**	**2.002**	**2.040**	**2.024**	**1.967**	**2.023**	**1.981**
Stddev	.006	.003	.010	.006	.018	.013	.004
%RSD	.2846	.1514	.4948	.3103	.9370	.6491	.2175
#1	2.025	2.000	2.033	2.019	1.954	2.013	1.984
#2	2.017	2.004	2.047	2.028	1.980	2.032	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	**84779.**	**18926.**	**2229.5**	**4433.1**
Stddev	254.	60.	7.9	12.9
%RSD	.29913	.31920	.35285	.29116
#1	84959.	18883.	2235.1	4442.2
#2	84600.	18968.	2223.9	4424.0

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/4/2014 11:32:44 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0000**	**-.0001**	**-.0002**	**-.0000**	**.0001**	**-.0003**	**.0000**
Stddev	.0001	.0001	.0002	.0003	.0001	.0009	.0001	.0001	.0005
%RSD	45.20	41.35	550.1	302.0	32.40	5661.	69.70	49.43	1983.
#1	.0001	.0002	-.0001	-.0004	-.0003	-.0006	.0001	-.0002	-.0003
#2	.0002	.0001	.0002	.0001	-.0002	.0006	.0000	-.0003	.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	**-.0005**	**.0003**	**.0007**	**-.0006**	**-.0006**	**.0011**	**.0007**	**-.0013**	**.0035**
Stddev	.0002	.0001	.0001	.0000	.0013	.0002	.0011	.0070	.0004
%RSD	34.55	24.54	20.16	7.098	233.9	22.27	160.1	543.2	11.61
#1	-.0004	.0003	.0008	-.0007	-.0015	.0009	-.0001	-.0063	.0038
#2	-.0006	.0004	.0006	-.0006	.0004	.0013	.0015	.0037	.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	**.0051**	**.0009**	**-.0190**	**.0146**	**.0032**	**.0009**	**.0004**	**-.0009**	**.0003**
Stddev	.0009	.0355	.0163	.0046	.0001	.0002	.0018	.0005	.0015
%RSD	17.39	4067.	85.52	31.44	3.784	17.96	447.8	61.45	567.8
#1	.0057	.0260	-.0075	.0178	.0032	.0011	.0017	-.0005	-.0008
#2	.0045	-.0242	-.0306	.0113	.0033	.0008	-.0009	-.0012	.0013
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: ccbconf Acquired: 6/4/2014 11:32:44 Type: QC
Method: Accutest 2(v53) 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**	**-.0001**	**F .0201**	**.0007**	**.0008**	**-.0002**	**.0008**
Stddev	.0001	.0002	.0001	.0001	.0024	.0019	.0009
%RSD	66.66	296.2	.3148	11.79	308.2	844.2	110.3
#1	.0003	-.0002	.0201	.0008	-.0009	.0011	.0014
#2	.0001	.0001	.0200	.0007	.0025	-.0016	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89358.**	**18778.**	**2326.4**	**4895.9**
Stddev	138.	153.	1.2	.6
%RSD	.15486	.81568	.05306	.01268
#1	89456.	18670.	2327.2	4895.4
#2	89261.	18886.	2325.5	4896.3

Zoom In Zoom Out

Sample Name: icv Acquired: 6/4/2014 11:36:11 Type: QC
Method: Accutest 2(v53) Mode: 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**	**1.966**	**1.988**	**2.028**	**1.973**	**2.038**	**2.003**	**.2480**
Stddev	.010	.003	.037	.030	.005	.003	.002	.033	.0006
%RSD	.5006	.1522	1.875	1.531	.2733	.1592	.0911	1.635	.2330
#1	2.026	2.037	1.940	1.966	2.031	1.975	2.039	1.980	.2484
#2	2.012	2.032	1.992	2.009	2.024	1.970	2.036	2.026	.2475
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**	**2.010**	**1.971**	**2.044**	**2.017**	**1.978**	**1.982**	**39.72**	**40.05**
Stddev	.000	.029	.043	.031	.032	.038	.039	.18	.22
%RSD	.0143	1.442	2.177	1.517	1.588	1.933	1.959	.4636	.5503
#1	2.001	1.990	1.941	2.023	1.994	1.951	1.954	39.85	40.20
#2	2.001	2.031	2.002	2.066	2.039	2.005	2.009	39.59	39.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.28**	**40.32**	**39.75**	**40.15**	**2.003**	**1.991**	**1.991**	**4.922**	**2.018**
Stddev	.07	.05	.33	.33	.037	.032	.001	.094	.034
%RSD	.1787	.1310	.8242	.8108	1.860	1.603	.0493	1.900	1.685
#1	40.33	40.36	39.99	40.38	1.977	1.968	1.991	4.856	1.994
#2	40.23	40.29	39.52	39.92	2.030	2.014	1.990	4.988	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: icv Acquired: 6/4/2014 11:36:11 Type: QC
Method: Accutest 2(v53) 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	**2.029**	**2.005**	**1.984**	**2.025**	**1.944**	**1.991**	**1.993**
Stddev	.004	.001	.031	.001	.037	.039	.011
%RSD	.1940	.0466	1.544	.0458	1.883	1.946	.5428
#1	2.032	2.006	1.962	2.026	1.918	1.964	2.001
#2	2.026	2.005	2.005	2.025	1.970	2.019	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	**84694.**	**18709.**	**2256.1**	**4476.3**
Stddev	4.	76.	29.4	55.2
%RSD	.00503	.40579	1.3049	1.2321
#1	84691.	18655.	2276.9	4515.3
#2	84697.	18763.	2235.3	4437.3

Zoom In Zoom Out

Sample Name: icb Acquired: 6/4/2014 11:39:07 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0002**	**.0000**	**-.0003**	**-.0004**	**-.0008**	**.0001**	**-.0002**	**.0004**
Stddev	.0002	.0000	.0001	.0003	.0001	.0002	.0000	.0004	.0004
%RSD	371.5	5.326	579.4	81.73	37.94	19.94	34.70	183.0	112.3
#1	.0002	.0002	-.0001	-.0001	-.0005	-.0007	.0001	-.0005	.0001
#2	-.0001	.0003	.0001	-.0005	-.0003	-.0009	.0001	.0001	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0009**	**.0002**	**.0001**	**.0013**	**-.0005**	**-.0104**	**.0047**
Stddev	.0000	.0001	.0007	.0003	.0020	.0010	.0014	.0006	.0015
%RSD	181.2	103.1	78.62	179.1	2823.	78.24	299.7	5.277	32.74
#1	-.0000	.0000	.0004	.0004	-.0013	.0020	.0005	-.0100	.0036
#2	.0000	.0002	.0015	-.0000	.0015	.0006	-.0015	-.0108	.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	**.0034**	**-.0027**	**-.0123**	**.0197**	**.0026**	**.0008**	**-.0012**	**-.0002**	**.0004**
Stddev	.0057	.0091	.0195	.0020	.0008	.0001	.0007	.0001	.0004
%RSD	168.7	336.8	159.5	9.986	31.40	16.20	56.20	37.69	93.87
#1	.0074	-.0092	-.0261	.0211	.0032	.0009	-.0007	-.0002	.0006
#2	-.0006	.0038	.0016	.0183	.0020	.0007	-.0017	-.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									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/4/2014 11:39:07 Type: QC
Method: Accutest 2(v53) 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**	**-.0002**	**F .0193**	**.0010**	**.0008**	**-.0011**	**.0002**
Stddev	.0000	.0002	.0004	.0000	.0013	.0016	.0005
%RSD	15.16	114.2	2.325	2.783	157.8	144.1	234.9
#1	.0003	-.0003	.0196	.0010	.0017	-.0023	.0005
#2	.0002	-.0000	.0190	.0009	-.0001	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89157.**	**19079.**	**2324.7**	**4894.3**
Stddev	525.	13.	.6	3.3
%RSD	.58844	.06640	.02731	.06682
#1	89528.	19088.	2324.2	4892.0
#2	88786.	19071.	2325.1	4896.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 11:42:18 Type: QC
Method: Accutest 2(v53) Mode: 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**	**2.033**	**1.995**	**2.012**	**2.042**	**1.982**	**2.054**	**2.029**	**.2492**
Stddev	.000	.001	.002	.001	.007	.005	.001	.001	.0003
%RSD	.0098	.0276	.0751	.0617	.3217	.2491	.0398	.0327	.1260
#1	2.017	2.033	1.996	2.013	2.038	1.986	2.053	2.030	.2490
#2	2.016	2.034	1.994	2.011	2.047	1.979	2.054	2.029	.2494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.038**	**1.998**	**2.067**	**2.037**	**2.000**	**2.006**	**39.60**	**39.82**
Stddev	.004	.004	.002	.004	.004	.008	.002	.03	.03
%RSD	.2161	.1735	.0772	.1788	.1917	.3974	.1135	.0698	.0738
#1	2.011	2.041	1.999	2.070	2.040	1.995	2.005	39.62	39.84
#2	2.018	2.036	1.997	2.065	2.034	2.006	2.008	39.58	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	**40.21**	**40.20**	**39.57**	**40.07**	**2.031**	**2.019**	**2.001**	**4.985**	**2.049**
Stddev	.00	.05	.21	.13	.000	.001	.009	.001	.002
%RSD	.0056	.1133	.5185	.3313	.0011	.0367	.4423	.0148	.0819
#1	40.21	40.23	39.72	40.16	2.031	2.018	1.994	4.985	2.050
#2	40.20	40.16	39.43	39.97	2.031	2.019	2.007	4.986	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: 6/4/2014 11:42:18 Type: QC
Method: Accutest 2(v53) 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**	**2.018**	**2.015**	**2.036**	**1.967**	**2.020**	**1.994**
Stddev	.002	.003	.001	.003	.009	.001	.008
%RSD	.0943	.1298	.0478	.1280	.4359	.0513	.3982
#1	2.025	2.020	2.015	2.034	1.961	2.020	1.999
#2	2.028	2.017	2.016	2.038	1.973	2.021	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	**84186.**	**18835.**	**2231.4**	**4433.5**
Stddev	132.	73.	1.6	5.2
%RSD	.15673	.38788	.07282	.11763
#1	84279.	18783.	2230.3	4429.9
#2	84092.	18887.	2232.6	4437.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 11:45:16 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0001**	**.0002**	**-.0006**	**.0001**	**.0001**	**.0002**	**.0000**
Stddev	.0002	.0001	.0002	.0001	.0000	.0007	.0000	.0000	.0002
%RSD	102.4	41.15	212.3	65.67	8.067	1265.	6.073	7.269	684.4
#1	.0000	.0003	-.0001	.0001	-.0006	.0006	.0001	.0003	.0002
#2	.0003	.0002	.0003	.0003	-.0005	-.0004	.0001	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0008**	**-.0008**	**-.0000**	**.0004**	**.0010**	**-.0109**	**.0010**
Stddev	.0002	.0001	.0001	.0004	.0007	.0015	.0007	.0019	.0046
%RSD	649.6	54.86	16.11	59.48	1596.	328.1	66.59	17.03	464.6
#1	.0002	.0001	.0009	-.0011	-.0006	-.0006	.0015	-.0123	.0042
#2	-.0001	.0003	.0007	-.0004	.0005	.0015	.0005	-.0096	-.0023
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**	**-.0025**	**.0331**	**.0134**	**.0024**	**.0010**	**-.0016**	**-.0006**	**-.0003**
Stddev	.0026	.0347	.0198	.0012	.0007	.0000	.0019	.0001	.0001
%RSD	83.40	1408.	59.86	9.067	27.98	4.885	117.4	16.79	40.42
#1	.0049	.0220	.0191	.0125	.0019	.0010	-.0003	-.0007	-.0004
#2	.0013	-.0270	.0471	.0143	.0029	.0009	-.0029	-.0005	-.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: 6/4/2014 11:45:16 Type: QC
Method: Accutest 2(v53) 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 **.0177**	**.0009**	**.0003**	**-.0002**	**.0015**
Stddev	.0000	.0007	.0012	.0000	.0033	.0013	.0015
%RSD	26.89	107.9	6.973	1.413	1070.	796.6	99.89
#1	.0002	.0001	.0169	.0009	.0027	-.0011	.0025
#2	.0001	.0011	.0186	.0009	-.0020	.0008	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88863.**	**18859.**	**2320.1**	**4883.1**
Stddev	288.	68.	2.4	2.8
%RSD	.32403	.36007	.10480	.05792
#1	89066.	18907.	2321.8	4885.1
#2	88659.	18811.	2318.4	4881.1

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 11:48:26 Type: QC
Method: Accutest 2(v53) Mode: 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	**.2054**	**.0021**	**.0032**	**.0505**	**.0104**	**.0096**	**.0157**	**.0102**	**.0055**
Stddev	.0004	.0000	.0001	.0004	.0005	.0003	.0001	.0000	.0008
%RSD	.2066	1.943	2.806	.8748	4.809	2.953	.4077	.4114	14.18
#1	.2051	.0021	.0033	.0508	.0101	.0094	.0157	.0102	.0060
#2	.2057	.0022	.0032	.0502	.0108	.0098	.0156	.0102	.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	**.0502**	**.0225**	**.0081**	**.0112**	**.0031**	F **.0130**	**.0068**	**.2009**	**5.067**
Stddev	.0001	.0000	.0012	.0026	.0008	.0024	.0003	.0033	.004
%RSD	.1494	.0469	14.65	23.62	26.98	18.37	5.046	1.629	.0893
#1	.0502	.0225	.0072	.0093	.0025	.0113	.0065	.1986	5.064
#2	.0501	.0225	.0089	.0130	.0036	.0147	.0070	.2032	5.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0100			
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	**.1087**	**5.163**	**5.146**	**5.027**	**.1058**	**.0206**	**.0548**	**.2108**	**.0101**
Stddev	.0029	.015	.033	.009	.0000	.0001	.0020	.0004	.0008
%RSD	2.654	.2960	.6410	.1698	.0166	.3601	3.606	.1686	8.172
#1	.1067	5.174	5.122	5.021	.1058	.0206	.0562	.2105	.0095
#2	.1107	5.153	5.169	5.033	.1058	.0207	.0534	.2110	.0107
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: 6/4/2014 11:48:26 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0101**	F **.0124**	**.0106**	**.0480**	**.0208**	**.0224**
Stddev	.0000	.0001	.0007	.0000	.0026	.0010	.0000
%RSD	.2958	1.211	5.360	.1822	5.324	4.730	.1740
#1	.0106	.0100	.0120	.0106	.0462	.0201	.0224
#2	.0105	.0102	.0129	.0106	.0498	.0215	.0224
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	**88800.**	**19036.**	**2306.6**	**4793.6**
Stddev	416.	21.	.1	3.0
%RSD	.46795	.11163	.00634	.06293
#1	88506.	19021.	2306.5	4795.7
#2	89093.	19051.	2306.7	4791.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 11:51:36 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0010**	**.0012**	**.0028**	F **.0013**	F **.0014**	**.0031**	**.0041**
Stddev	.0001	.0001	.0000	.0002	.0001	.0003	.0000	.0001
%RSD	2.820	6.820	3.005	7.698	9.980	18.92	1.188	2.224
#1	.0042	.0010	.0012	.0026	.0014	.0012	.0031	.0041
#2	.0044	.0009	.0012	.0029	.0012	.0016	.0031	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value					.0020	.0020		
Range					-30.00%	-30.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0016**	**.0116**	**.0032**	**.0020**	F **.0017**	**.0049**	F **.0044**
Stddev	.0003	.0002	.0000	.0014	.0024	.0003	.0034	.0010
%RSD	24.37	13.01	.2630	44.69	122.5	20.58	68.41	22.92
#1	.0010	.0015	.0116	.0022	.0037	.0014	.0073	.0037
#2	.0014	.0017	.0116	.0043	.0003	.0019	.0025	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value						.0025		.0030
Range						-30.00%		30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0931**	**1.045**	**.0027**	**.1011**	**2.071**	**1.038**	**.0110**	**-.0001**
Stddev	.0074	.001	.0008	.0105	.007	.003	.0003	.0000
%RSD	7.991	.0741	29.96	10.41	.3327	.2849	2.749	23.60
#1	.0878	1.045	.0021	.1086	2.066	1.040	.0112	-.0001
#2	.0984	1.044	.0032	.0937	2.076	1.036	.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: 6/4/2014 11:51:36 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0022**	**-.0001**	**.0001**	**-.0003**	F **.0017**	F **-.0001**	F **-.0015**
Stddev	.0013	.0009	.0005	.0001	.0002	.0001	.0001	.0028
%RSD	147.8	39.95	775.6	132.6	74.16	6.663	157.3	193.3
#1	-.0000	.0028	.0003	.0000	-.0002	.0018	.0000	-.0034
#2	.0018	.0016	-.0004	.0001	-.0005	.0016	-.0001	.0005
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 **-.0001**	F **-.0004**
Stddev	.0016	.0007
%RSD	1878.	171.3
#1	-.0012	.0001
#2	.0010	-.0009
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88730.**	**18942.**	**2317.6**	**4867.0**
Stddev	326.	93.	3.5	6.0
%RSD	.36785	.49057	.15262	.12229
#1	88961.	18876.	2320.1	4871.2
#2	88499.	19007.	2315.1	4862.8

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 11:54:46 Type: QC
Method: Accutest 2(v53) Mode: 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**	**-.0004**	**-.0003**	**.0004**	**-.0000**	**-.0002**	**.0002**
Stddev	.0002	.0000	.0001	.0000	.0000	.0004	.0000	.0002	.0005
%RSD	131.1	182.0	179.8	7.659	10.81	105.3	16.00	87.35	207.8
#1	-.0000	.0000	.0001	-.0004	-.0004	.0001	-.0000	-.0004	-.0001
#2	-.0003	-.0000	-.0000	-.0004	-.0003	.0007	-.0000	-.0001	.0006
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**	**.0002**	**.0196**	**-.0001**	**.0200**	**.0232**	**.0200**	**.4830**	**-.0001**
Stddev	.0001	.0001	.0002	.0013	.0001	.0043	.0023	.0201	.0009
%RSD	52.87	56.30	.9911	2174.	.3301	18.43	11.50	4.163	767.9
#1	-.0001	.0003	.0195	.0009	.0199	.0262	.0184	.4972	-.0008
#2	-.0002	.0001	.0198	-.0010	.0200	.0202	.0216	.4688	.0005
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	**.5174**	**.0174**	**.0591**	**-.0121**	**-.0003**	**-.0001**	**-.0017**	**.0023**	**.0002**
Stddev	.0025	.0412	.0183	.0019	.0003	.0002	.0017	.0005	.0010
%RSD	.4776	237.3	31.03	15.98	84.92	216.1	99.81	22.49	446.8
#1	.5191	-.0118	.0720	-.0108	-.0001	.0001	-.0029	.0027	-.0005
#2	.5156	.0465	.0461	-.0135	-.0005	-.0003	-.0005	.0020	.0009
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 11:54:46 Type: QC
Method: Accutest 2(v53) 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**	**-.0001**	**-.0001**	**.0004**	**-.0003**	**-.0024**
Stddev	.0001	.0009	.0013	.0000	.0016	.0001	.0006
%RSD	186.1	224.7	986.9	45.81	409.4	17.26	26.63
#1	.0001	-.0002	-.0011	-.0001	.0015	-.0003	-.0028
#2	-.0000	.0010	.0008	-.0001	-.0007	-.0003	-.0019
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	**88706.**	**18964.**	**2317.3**	**4868.3**
Stddev	326.	99.	9.2	14.6
%RSD	.36730	.52350	.39509	.30034
#1	88936.	18893.	2323.8	4878.7
#2	88476.	19034.	2310.8	4858.0

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/4/2014 11:57:57 Type: Unk
Method: Accutest 2(v53) 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	**.0222**	**.0049**	**.0042**	**.0140**	**.0074**	**.0058**	**.0156**	**.0205**	**.0053**
Stddev	.0011	.0002	.0009	.0002	.0033	.0001	.0000	.0000	.0010
%RSD	4.775	3.503	21.05	1.524	45.05	2.209	.1477	.1784	17.96
#1	.0215	.0051	.0048	.0138	.0097	.0059	.0156	.0205	.0060
#2	.0230	.0048	.0036	.0141	.0050	.0057	.0156	.0205	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0081**	**.0587**	**.0194**	**.0131**	**.0132**	**.0269**	**.0184**	**.4752**	**5.202**
Stddev	.0001	.0001	.0023	.0016	.0013	.0100	.0024	.0101	.014
%RSD	.6584	.2401	12.01	11.95	9.827	37.22	13.05	2.130	.2661
#1	.0080	.0586	.0211	.0143	.0141	.0198	.0201	.4681	5.192
#2	.0081	.0588	.0178	.0120	.0122	.0340	.0167	.4824	5.211

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0160**	**.4282**	**10.54**	**5.149**	**.0492**	**-.0013**	**.0042**	**.0102**	**-.0031**
Stddev	.0213	.0877	.19	.025	.0014	.0001	.0015	.0025	.0024
%RSD	132.8	20.49	1.774	.4821	2.830	9.622	34.98	24.78	76.71
#1	.0010	.4902	10.67	5.132	.0482	-.0014	.0032	.0120	-.0048
#2	.0310	.3661	10.40	5.167	.0502	-.0012	.0052	.0084	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0029**	**-.0079**	**-.0008**	**-.0032**	**.0013**	**-.0048**
Stddev	.0000	.0003	.0099	.0000	.0020	.0053	.0040
%RSD	183.9	11.02	125.2	.6478	60.80	420.0	83.29
#1	-.0001	-.0026	-.0149	-.0008	-.0046	.0050	-.0020
#2	.0000	-.0031	-.0009	-.0008	-.0018	-.0025	-.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88505.**	**18935.**	**2325.4**	**4871.4**
Stddev	338.	35.	.1	3.2
%RSD	.38169	.18704	.00488	.06639
#1	88744.	18909.	2325.4	4873.7
#2	88266.	18960.	2325.3	4869.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/4/2014 12:01:08 Type: Unk
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6169**	**.0063**	**.0096**	**.1514**	**.0312**	**.0313**	**.0469**	**.0307**	**.0164**
Stddev	.0010	.0001	.0005	.0006	.0002	.0005	.0000	.0012	.0000
%RSD	.1586	2.035	5.399	.4268	.4908	1.745	.0259	3.963	.0403
#1	.6176	.0064	.0100	.1519	.0311	.0309	.0469	.0298	.0164
#2	.6162	.0062	.0092	.1510	.0313	.0317	.0469	.0315	.0164

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1511**	**.0670**	**.0307**	**.0354**	**.0121**	**.0450**	**.0184**	**.6086**	**15.21**
Stddev	.0002	.0001	.0019	.0038	.0019	.0069	.0029	.0053	.01
%RSD	.1353	.1495	6.203	10.79	15.91	15.34	15.72	.8750	.0395
#1	.1509	.0670	.0294	.0381	.0108	.0401	.0204	.6124	15.21
#2	.1512	.0671	.0321	.0327	.0135	.0499	.0163	.6049	15.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3274**	**15.57**	**15.42**	**15.14**	**.3144**	**.0609**	**.1561**	**.6300**	**.0309**
Stddev	.0036	.02	.03	.06	.0014	.0002	.0032	.0005	.0002
%RSD	1.100	.1544	.2248	.4218	.4549	.3760	2.043	.0823	.5674
#1	.3249	15.56	15.45	15.09	.3154	.0611	.1539	.6296	.0310
#2	.3299	15.59	15.40	15.18	.3134	.0607	.1584	.6304	.0307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0319**	**.0294**	**.0129**	**.0303**	**.1366**	**.0568**	**.0662**
Stddev	.0001	.0023	.0022	.0000	.0055	.0025	.0025
%RSD	.3168	7.715	16.66	.0604	4.036	4.436	3.847
#1	.0319	.0310	.0145	.0303	.1405	.0586	.0644
#2	.0320	.0278	.0114	.0303	.1327	.0550	.0680

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88217.**	**18902.**	**2308.5**	**4798.3**
Stddev	19.	47.	9.8	19.4
%RSD	.02132	.25099	.42333	.40501
#1	88231.	18936.	2301.6	4784.5
#2	88204.	18869.	2315.5	4812.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/4/2014 12:04:17 Type: QC
Method: Accutest 2(v53) Mode: 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**	**-.0002**	**.0008**	**-.0002**	**.0003**	**.0088**	**.0003**	**.0011**	**.0061**
Stddev	.0002	.0000	.0001	.0003	.0001	.0001	.0002	.0003	.0007
%RSD	17.11	7.941	10.03	159.6	26.62	1.482	51.40	29.11	10.88
#1	-.0012	-.0002	.0009	-.0005	.0003	.0087	.0002	.0013	.0066
#2	-.0015	-.0002	.0008	.0000	.0002	.0089	.0005	.0008	.0056
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**	**-.0090**	**-.0024**	**-.0015**	**.0005**	**.0017**	**-.0046**	**492.8**	**374.9**
Stddev	.0003	.0000	.0019	.0031	.0012	.0037	.0033	1.0	4.9
%RSD	38.04	.2312	78.72	200.4	275.7	214.7	71.26	.2021	1.315
#1	.0010	-.0090	-.0037	-.0037	.0013	-.0009	-.0070	492.1	371.4
#2	.0006	-.0090	-.0011	.0006	-.0004	.0043	-.0023	493.5	378.4
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	**191.0**	**510.4**	**.1626**	**-.0026**	**-.0046**	**-.0012**	**.0202**	**-.0207**	**-.0018**
Stddev	.3	.4	.0108	.0014	.0005	.0004	.0020	.0029	.0006
%RSD	.1636	.0852	6.667	54.53	10.24	34.62	10.07	14.02	31.61
#1	190.8	510.1	.1703	-.0035	-.0043	-.0015	.0217	-.0228	-.0022
#2	191.2	510.7	.1549	-.0016	-.0050	-.0009	.0188	-.0187	-.0014
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: 6/4/2014 12:04:17 Type: QC
Method: Accutest 2(v53) 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	**-.0051**	**.0005**	**.0004**	**-.0011**	**-.0054**	**.0231**	**.0082**
Stddev	.0002	.0002	.0027	.0000	.0033	.0010	.0010
%RSD	4.695	40.65	734.2	3.520	62.27	4.234	12.04
#1	-.0049	.0007	.0022	-.0011	-.0030	.0224	.0075
#2	-.0053	.0004	-.0015	-.0010	-.0077	.0238	.0090
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	**77001.**	**18522.**	**2052.2**	**3975.4**
Stddev	126.	7.	.0	1.1
%RSD	.16367	.03617	.00120	.02649
#1	77090.	18517.	2052.2	3974.6
#2	76912.	18526.	2052.2	3976.1

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/4/2014 12:07:33 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4916**	**.4881**	**.9963**	**.4834**	**.4880**	**.5228**	**.5006**	**.9680**	**1.023**
Stddev	.0006	.0013	.0042	.0034	.0025	.0023	.0013	.0033	.003
%RSD	.1292	.2660	.4192	.7089	.5090	.4457	.2635	.3392	.3170
#1	.4912	.4872	.9933	.4809	.4897	.5244	.5015	.9657	1.026
#2	.4921	.4890	.9993	.4858	.4862	.5211	.4996	.9703	1.021
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	**.4732**	**.9522**	**1.070**	**.9491**	**.9678**	**1.033**	**1.032**	**493.7**	**374.9**
Stddev	.0014	.0043	.006	.0052	.0025	.006	.002	1.4	5.2
%RSD	.2907	.4463	.5504	.5488	.2543	.6330	.1583	.2900	1.387
#1	.4742	.9492	1.065	.9454	.9660	1.029	1.031	494.7	371.2
#2	.4722	.9552	1.074	.9528	.9695	1.038	1.033	492.7	378.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**189.8**	**520.8**	**.1762**	**.0115**	**-.0020**	**.4975**	**.5507**	**-.0189**	**-.0024**
Stddev	.8	1.5	.0022	.0123	.0004	.0018	.0047	.0013	.0008
%RSD	.3981	.2814	1.272	107.5	20.93	.3551	.8586	6.860	33.36
#1	189.3	519.8	.1746	.0202	-.0017	.4963	.5540	-.0198	-.0018
#2	190.4	521.8	.1778	.0028	-.0023	.4988	.5474	-.0180	-.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: 6/4/2014 12:07:33 Type: QC
Method: Accutest 2(v53) 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	**-.0050**	**.0010**	**.5518**	**.5749**	**.4931**	**.5450**	**.5321**
Stddev	.0001	.0003	.0022	.0002	.0019	.0064	.0000
%RSD	2.917	25.75	.4065	.0374	.3911	1.167	.0052
#1	-.0049	.0008	.5502	.5751	.4917	.5405	.5321
#2	-.0051	.0012	.5534	.5748	.4945	.5495	.5322
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	**77365.**	**18449.**	**2049.0**	**3976.1**
Stddev	244.	22.	4.7	11.6
%RSD	.31562	.12103	.23124	.29110
#1	77192.	18465.	2052.3	3984.3
#2	77537.	18434.	2045.6	3968.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 12:10:43 Type: QC
Method: Accutest 2(v53) Mode: 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**	**1.985**	**2.008**	**2.023**	**1.976**	**2.044**	**2.022**	**.2479**
Stddev	.002	.003	.005	.004	.001	.004	.001	.006	.0009
%RSD	.0859	.1694	.2346	.1889	.0545	.2281	.0286	.3196	.3531
#1	2.020	2.037	1.981	2.006	2.022	1.973	2.044	2.018	.2473
#2	2.018	2.032	1.988	2.011	2.023	1.979	2.043	2.027	.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	**2.005**	**2.034**	**1.997**	**2.054**	**2.036**	**1.998**	**2.007**	**39.63**	**39.69**
Stddev	.003	.004	.006	.004	.000	.002	.002	.04	.01
%RSD	.1342	.1904	.2779	.1876	.0033	.1190	.0754	.0884	.0292
#1	2.007	2.031	1.993	2.051	2.035	1.997	2.006	39.61	39.68
#2	2.003	2.036	2.001	2.056	2.036	2.000	2.008	39.66	39.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.27**	**40.37**	**39.60**	**40.15**	**2.028**	**2.010**	**1.975**	**4.973**	**2.045**
Stddev	.01	.08	.02	.10	.003	.006	.002	.010	.001
%RSD	.0326	.2090	.0461	.2540	.1576	.3194	.1043	.2099	.0684
#1	40.28	40.31	39.61	40.23	2.026	2.005	1.977	4.966	2.044
#2	40.26	40.43	39.59	40.08	2.030	2.014	1.974	4.980	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: 6/4/2014 12:10:43 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.007**	**1.984**	**2.028**	**1.963**	**2.016**	**2.000**
Stddev	.005	.001	.004	.003	.002	.002	.006
%RSD	.2488	.0561	.1986	.1573	.0946	.1052	.3016
#1	2.037	2.006	1.981	2.026	1.962	2.014	2.004
#2	2.030	2.008	1.987	2.030	1.964	2.017	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	**85172.**	**18747.**	**2237.2**	**4446.5**
Stddev	180.	70.	2.3	5.7
%RSD	.21095	.37442	.10469	.12762
#1	85045.	18796.	2238.9	4450.5
#2	85299.	18697.	2235.5	4442.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 12:13:40 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0000**	**-.0001**	**.0004**	**.0001**	**.0001**	**-.0001**	**.0006**
Stddev	.0001	.0000	.0002	.0001	.0003	.0001	.0001	.0000	.0004
%RSD	43.66	16.83	14890.	86.69	63.07	182.0	90.92	28.22	68.79
#1	.0001	.0002	.0002	-.0000	.0002	.0002	.0000	-.0001	.0009
#2	.0002	.0001	-.0001	-.0002	.0006	-.0000	.0002	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0001**	**-.0004**	**.0001**	**.0001**	**-.0021**	**.0010**	**.0007**	**.0056**
Stddev	.0001	.0000	.0004	.0016	.0007	.0027	.0020	.0212	.0000
%RSD	16.39	33.71	97.57	1180.	1238.	129.6	208.4	3170.	.7824
#1	-.0005	.0001	-.0007	.0013	-.0004	-.0040	.0024	-.0143	.0056
#2	-.0004	.0000	-.0001	-.0010	.0006	-.0002	-.0005	.0157	.0055
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	**.0062**	**-.0160**	**.0359**	**.0051**	**.0009**	**.0004**	**-.0005**	**-.0008**	**-.0001**
Stddev	.0056	.0065	.0091	.0092	.0007	.0000	.0006	.0002	.0002
%RSD	91.67	40.65	25.40	182.0	76.10	9.108	108.7	18.38	159.5
#1	.0102	-.0114	.0295	-.0015	.0014	.0004	-.0001	-.0007	.0000
#2	.0022	-.0206	.0424	.0116	.0004	.0004	-.0009	-.0009	-.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: 6/4/2014 12:13:40 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0002**	F **.0134**	**.0005**	**-.0018**	**.0000**	**.0002**
Stddev	.0001	.0000	.0017	.0000	.0017	.0006	.0014
%RSD	27.77	20.36	12.94	.3579	94.26	2775.	624.7
#1	.0002	-.0002	.0122	.0005	-.0029	.0004	.0012
#2	.0002	-.0002	.0147	.0005	-.0006	-.0004	-.0008
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88971.**	**18728.**	**2321.8**	**4882.0**
Stddev	90.	60.	1.0	.1
%RSD	.10138	.31775	.04356	.00175
#1	89035.	18686.	2322.5	4881.9
#2	88907.	18771.	2321.1	4882.0

Zoom In Zoom Out

Sample Name: mp79824-b1 2 Acquired: 6/4/2014 12:16:51 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.037**	**.0522**	**.0503**	**.5251**	**.2105**	**.2471**	**.5159**	**.5357**	**.0523**
Stddev	.014	.0002	.0000	.0038	.0013	.0003	.0006	.0041	.0000
%RSD	.7067	.2950	.0006	.7248	.6153	.1031	.1178	.7710	.0026
#1	2.047	.0523	.0503	.5278	.2095	.2469	.5155	.5387	.0523
#2	2.027	.0521	.0503	.5224	.2114	.2473	.5164	.5328	.0523

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4925**	**.5333**	**2.149**	**1.976**	**2.077**	**2.150**	**.5034**	**2.031**	**.0677**
Stddev	.0014	.0021	.013	.012	.015	.005	.0044	.003	.0019
%RSD	.2908	.3950	.5933	.5903	.7216	.2363	.8688	.1401	2.753
#1	.4915	.5348	2.158	1.984	2.087	2.154	.5065	2.033	.0690
#2	.4935	.5318	2.140	1.968	2.066	2.146	.5004	2.029	.0664

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.078**	**.0388**	**-.0804**	**1085.**	**1.919**	**1.976**	**1.953**	**2.225**	**1.935**
Stddev	.002	.0087	.0505	11.	.013	.011	.006	.010	.011
%RSD	.2115	22.40	62.81	1.047	.6873	.5780	.2915	.4351	.5406
#1	1.080	.0326	-.1160	1093.	1.928	1.984	1.949	2.232	1.943
#2	1.077	.0449	-.0447	1077.	1.910	1.968	1.957	2.218	1.928

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.989**	**1.957**	**.0245**	**.0007**	**.0323**	**.0438**	**-.0011**
Stddev	.013	.003	.0000	.0003	.0028	.0000	.0000
%RSD	.6415	.1515	.1028	38.47	8.734	.0872	2.170
#1	1.999	1.955	.0245	.0009	.0303	.0439	-.0011
#2	1.980	1.959	.0245	.0005	.0343	.0438	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79777.**	**19105.**	**2128.7**	**3986.8**
Stddev	465.	6.	7.2	19.0
%RSD	.58294	.03121	.34005	.47654
#1	80105.	19109.	2123.6	3973.4
#2	79448.	19101.	2133.9	4000.3

Zoom In Zoom Out

Sample Name: mp79835-mb1conf Acquired: 6/4/2014 12:22:38 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**.0004**	**-.0007**	**-.0000**	**.0030**	**-.0004**
Stddev	.0003	.0000	.0001	.0001	.0004	.0001	.0000	.0001	.0002
%RSD	70.81	97.08	88.62	67.31	87.04	19.72	177.1	1.778	49.34
#1	.0002	.0000	.0000	.0002	.0002	-.0008	.0000	.0030	-.0003
#2	.0006	.0000	.0002	.0001	.0007	-.0006	-.0000	.0030	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0008**	**.0009**	**.0002**	**.0000**	**.0001**	**.0013**	**-.0131**	**.0009**
Stddev	.0000	.0001	.0005	.0015	.0014	.0003	.0002	.0031	.0008
%RSD	20.05	11.72	57.49	959.3	13370.	401.9	15.12	23.74	87.24
#1	-.0001	.0007	.0006	.0012	-.0010	.0003	.0015	-.0109	.0003
#2	-.0001	.0008	.0013	-.0009	.0010	-.0001	.0012	-.0153	.0014

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0005**	**.0034**	**.0350**	**.2744**	**.0030**	**.0008**	**-.0000**	**.0038**	**.0050**
Stddev	.0028	.0136	.0172	.0182	.0009	.0001	.0006	.0022	.0005
%RSD	519.0	397.9	49.20	6.621	28.47	15.66	2347.	58.40	10.78
#1	.0026	-.0062	.0471	.2873	.0036	.0009	.0004	.0022	.0046
#2	-.0015	.0130	.0228	.2616	.0024	.0007	-.0005	.0054	.0054

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0000**	**-.0021**	**-.0003**	**.0032**	**.0002**	**.0012**
Stddev	.0001	.0002	.0002	.0000	.0023	.0009	.0013
%RSD	68.08	1139.	11.02	6.179	70.86	444.2	106.3
#1	.0001	-.0001	-.0023	-.0003	.0048	-.0004	.0021
#2	.0001	.0001	-.0019	-.0003	.0016	.0008	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89060.**	**18960.**	**2348.4**	**4949.6**
Stddev	346.	26.	7.1	12.6
%RSD	.38823	.13817	.30215	.25375
#1	88815.	18978.	2343.4	4940.7
#2	89304.	18941.	2353.4	4958.4

Zoom In Zoom Out

Sample Name: mp79835-lc1 2 Acquired: 6/4/2014 12:25:49 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.5076**	**.5035**	**.4920**	**.4875**	**.5055**	**.4775**	**.5057**	**.5038**	**.1931**
Stddev	.0030	.0021	.0007	.0014	.0001	.0006	.0004	.0016	.0014
%RSD	.5901	.4229	.1443	.2846	.0180	.1340	.0750	.3170	.7097
#1	.5097	.5050	.4925	.4885	.5056	.4779	.5054	.5049	.1941
#2	.5055	.5020	.4915	.4865	.5054	.4770	.5059	.5027	.1922

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4719**	**.5097**	**.4952**	**.5406**	**.5132**	**.4857**	**.4963**	**4.990**	**5.547**
Stddev	.0016	.0016	.0001	.0010	.0009	.0031	.0031	.035	.022
%RSD	.3405	.3127	.0285	.1925	.1827	.6307	.6171	.7074	.3893
#1	.4730	.5108	.4953	.5413	.5139	.4879	.4985	5.015	5.562
#2	.4708	.5086	.4951	.5398	.5126	.4835	.4942	4.965	5.532

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.664**	**5.557**	**9.991**	**10.13**	**.0069**	**.4893**	**.0011**	**.0227**	**.0051**
Stddev	.033	.012	.070	.05	.0003	.0012	.0003	.0005	.0010
%RSD	.5883	.2115	.7050	.4835	4.414	.2420	23.09	2.144	19.20
#1	5.687	5.565	10.04	10.17	.0067	.4902	.0010	.0230	.0044
#2	5.640	5.548	9.941	10.10	.0071	.4885	.0013	.0223	.0058

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5018**	**.0030**	**.0001**	**.0063**	**.0113**	**-.0003**
Stddev	.0001	.0011	.0001	.0002	.0035	.0018	.0002
%RSD	79.52	.2110	4.578	128.4	54.80	15.89	67.58
#1	-.0001	.5026	.0031	.0000	.0088	.0126	-.0001
#2	-.0000	.5011	.0029	.0003	.0039	.0100	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88063.**	**19059.**	**2301.7**	**4734.0**
Stddev	87.	150.	4.8	14.4
%RSD	.09927	.78756	.20925	.30502
#1	88125.	18953.	2298.3	4723.8
#2	88001.	19165.	2305.1	4744.2

Zoom In Zoom Out

Sample Name: mp79835-b1 Acquired: 6/4/2014 12:28:51 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**.0539**	**.0517**	**.5230**	**.2151**	**.2527**	**.5322**	**.5333**	**.0538**
Stddev	.004	.0005	.0006	.0032	.0009	.0004	.0006	.0022	.0008
%RSD	.1964	.8709	1.189	.6194	.4218	.1713	.1065	.4188	1.417
#1	2.100	.0536	.0513	.5207	.2157	.2523	.5326	.5317	.0543
#2	2.106	.0542	.0521	.5253	.2145	.2530	.5318	.5348	.0532

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5003**	**.5452**	**2.093**	**2.211**	**.5322**	**2.074**	**.5177**	**2.098**	**25.49**
Stddev	.0004	.0031	.009	.007	.0031	.019	.0029	.010	.03
%RSD	.0748	.5768	.4097	.3313	.5906	.9312	.5602	.4844	.1081
#1	.5000	.5430	2.087	2.205	.5300	2.060	.5156	2.091	25.47
#2	.5006	.5475	2.099	2.216	.5344	2.088	.5197	2.106	25.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.100**	**26.51**	**25.95**	**26.05**	**2.136**	**2.065**	**1.931**	**2.077**	**2.050**
Stddev	.009	.14	.05	.01	.011	.012	.004	.009	.014
%RSD	.7830	.5258	.1839	.0271	.5332	.5662	.2007	.4069	.6567
#1	1.094	26.41	25.98	26.06	2.128	2.057	1.934	2.071	2.041
#2	1.106	26.61	25.91	26.05	2.144	2.074	1.929	2.083	2.060

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.044**	**2.002**	**.0136**	**.0004**	**2.095**	**.0428**	**-.0007**
Stddev	.008	.003	.0015	.0000	.015	.0004	.0005
%RSD	.3960	.1368	11.29	9.796	.7319	1.049	68.55
#1	2.038	2.004	.0147	.0004	2.084	.0431	-.0004
#2	2.050	2.000	.0125	.0004	2.106	.0425	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86862.**	**18873.**	**2286.5**	**4617.0**
Stddev	316.	128.	11.0	17.4
%RSD	.36355	.68066	.47973	.37705
#1	86639.	18964.	2294.3	4629.4
#2	87086.	18782.	2278.7	4604.7

Zoom In Zoom Out

Sample Name: mp79835-s1 Acquired: 6/4/2014 12:31:46 Type: Unk
Method: Accutest 2(v53) Mode: 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	**1.841**	**.0449**	**.0500**	**.4796**	**.1824**	**.2458**	**.4601**	**.4712**	**.0537**
Stddev	.004	.0003	.0001	.0000	.0003	.0011	.0014	.0001	.0002
%RSD	.2305	.6458	.1885	.0072	.1528	.4657	.3144	.0316	.3204
#1	1.838	.0447	.0500	.4796	.1826	.2466	.4611	.4711	.0538
#2	1.844	.0451	.0501	.4796	.1822	.2450	.4591	.4713	.0536

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4402**	**.4589**	**2.093**	**1.721**	**.4619**	**2.049**	**.4859**	**1.904**	**49.55**
Stddev	.0027	.0023	.001	.006	.0020	.001	.0010	.008	.03
%RSD	.6194	.4943	.0668	.3543	.4366	.0448	.2143	.4419	.0672
#1	.4421	.4605	2.094	1.726	.4633	2.049	.4866	1.898	49.52
#2	.4383	.4573	2.092	1.717	.4605	2.048	.4852	1.910	49.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.094**	**810.7**	**360.9**	**2492.**	**5.075**	**1.684**	**1.866**	**5.046**	**1.541**
Stddev	.008	3.2	1.6	78.	.007	.006	.001	.011	.003
%RSD	.7596	.3920	.4534	3.112	.1308	.3866	.0700	.2112	.1739
#1	1.088	808.5	362.0	2547.	5.079	1.689	1.867	5.053	1.543
#2	1.100	813.0	359.7	2437.	5.070	1.679	1.865	5.038	1.539

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.931**	**1.735**	**.0297**	**-.0012**	**98.72**	**.0262**	**.1534**
Stddev	.088	.007	.0020	.0000	.16	.0008	.0004
%RSD	1.264	.3926	6.623	.4265	.1609	3.085	.2768
#1	6.869	1.740	.0311	-.0012	98.83	.0268	.1531
#2	6.993	1.730	.0283	-.0012	98.60	.0256	.1537

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63623.**	**17341.**	**1722.4**	**3021.3**
Stddev	146.	32.	6.8	5.4
%RSD	.22986	.18429	.39347	.17789
#1	63520.	17364.	1717.6	3017.5
#2	63727.	17318.	1727.2	3025.1

Zoom In Zoom Out

Sample Name: mp79835-s2 Acquired: 6/4/2014 12:34:55 Type: Unk
Method: Accutest 2(v53) Mode: 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	**1.783**	**.0435**	**.0482**	**.4637**	**.1762**	**.2362**	**.4461**	**.4566**	**.0511**
Stddev	.013	.0004	.0004	.0012	.0009	.0007	.0003	.0009	.0015
%RSD	.7067	.9235	.8219	.2642	.5202	.3057	.0765	.2016	2.912
#1	1.792	.0438	.0479	.4646	.1768	.2368	.4459	.4560	.0501
#2	1.774	.0432	.0485	.4629	.1755	.2357	.4464	.4573	.0522

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4258**	**.4466**	**2.018**	**1.672**	**.4466**	**1.967**	**.4674**	**1.852**	**49.38**
Stddev	.0001	.0012	.003	.006	.0025	.004	.0005	.012	.16
%RSD	.0276	.2685	.1587	.3685	.5554	.2252	.0992	.6420	.3211
#1	.4259	.4474	2.020	1.676	.4449	1.970	.4678	1.860	49.50
#2	.4257	.4457	2.016	1.667	.4484	1.964	.4671	1.844	49.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.080**	**791.1**	**344.5**	**2257.**	**4.878**	**1.623**	**1.757**	**4.850**	**1.510**
Stddev	.007	4.8	.8	9.	.005	.002	.000	.009	.005
%RSD	.6580	.6011	.2420	.4166	.0977	.1360	.0254	.1865	.3101
#1	1.085	794.5	345.1	2264.	4.881	1.625	1.757	4.856	1.513
#2	1.075	787.8	343.9	2250.	4.874	1.621	1.756	4.844	1.507

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.610**	**1.670**	**.0284**	**-.0010**	**95.66**	**.0252**	**.1395**
Stddev	.008	.001	.0021	.0003	.06	.0008	.0025
%RSD	.1212	.0473	7.465	31.20	.0665	3.176	1.780
#1	6.604	1.671	.0299	-.0012	95.71	.0258	.1412
#2	6.616	1.669	.0269	-.0007	95.62	.0246	.1377

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64254.**	**17277.**	**1730.5**	**3039.3**
Stddev	88.	115.	1.2	2.4
%RSD	.13742	.66753	.06893	.07954
#1	64191.	17359.	1731.3	3041.0
#2	64316.	17196.	1729.7	3037.6

Zoom In Zoom Out

Sample Name: c34290-1 Acquired: 6/4/2014 12:38:03 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0171**	**-.0000**	**-.0004**	**.0091**	**-.0010**	**.0063**	**.0097**	**-.0001**	**-.0033**
Stddev	.0003	.0000	.0001	.0004	.0002	.0009	.0000	.0007	.0001
%RSD	1.839	287.2	23.71	4.198	18.42	13.82	.1714	525.4	2.558
#1	.0168	.0000	-.0003	.0094	-.0012	.0070	.0097	.0004	-.0033
#2	.0173	-.0000	-.0004	.0089	-.0009	.0057	.0097	-.0006	-.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0094**	**.0035**	**.0014**	**-.0001**	**.0068**	**-.0003**	**.0431**	**28.46**
Stddev	.0007	.0002	.0011	.0008	.0036	.0050	.0024	.0054	.03
%RSD	401.6	2.022	33.20	58.04	6140.	73.00	694.8	12.47	.1082
#1	.0003	.0093	.0026	.0020	-.0026	.0033	-.0020	.0469	28.44
#2	-.0007	.0096	.0043	.0008	.0025	.0103	.0013	.0393	28.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2318**	**805.0**	**339.7**	**2280.**	**3.333**	**.0029**	**.0014**	**3.106**	**.0064**
Stddev	.0040	1.0	1.2	24.	.012	.0002	.0013	.014	.0013
%RSD	1.736	.1289	.3431	1.054	.3563	6.986	91.66	.4354	19.63
#1	.2346	804.2	338.9	2297.	3.325	.0031	.0005	3.097	.0055
#2	.2289	805.7	340.5	2263.	3.341	.0028	.0023	3.116	.0073

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.170**	**.0012**	**.0093**	**-.0015**	**97.58**	**-.0150**	**.1449**
Stddev	.070	.0014	.0004	.0001	.40	.0012	.0000
%RSD	1.353	116.5	4.070	3.465	.4097	7.731	.0012
#1	5.219	.0022	.0090	-.0016	97.30	-.0158	.1449
#2	5.120	.0002	.0095	-.0015	97.87	-.0141	.1449

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62718.**	**16856.**	**1694.3**	**2987.0**
Stddev	286.	8.	4.1	4.1
%RSD	.45598	.04881	.24223	.13673
#1	62516.	16862.	1697.2	2989.9
#2	62920.	16850.	1691.4	2984.1

Zoom In Zoom Out

Sample Name: mp79835-sd1 Acquired: 6/4/2014 12:41:22 Type: Unk
Method: Accutest 2(v53) 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	**.0172**	**.0001**	**-.0003**	**.0106**	**-.0012**	**.0169**	**.0094**	**-.0020**	**-.0051**
Stddev	.0019	.0001	.0004	.0014	.0020	.0027	.0005	.0007	.0004
%RSD	11.25	102.2	132.6	12.98	173.3	15.70	5.253	35.06	8.438
#1	.0186	.0001	-.0006	.0096	-.0026	.0188	.0098	-.0015	-.0054
#2	.0158	.0000	-.0000	.0116	.0003	.0150	.0091	-.0025	-.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0018**	**.0106**	**-.0036**	**.0056**	**.0001**	**.0063**	**.0034**	**.0399**	**30.26**
Stddev	.0003	.0009	.0026	.0040	.0009	.0146	.0042	.0083	.22
%RSD	15.97	8.712	74.28	70.93	859.8	232.6	122.5	20.86	.7267
#1	-.0020	.0100	-.0017	.0084	-.0005	-.0040	.0064	.0458	30.41
#2	-.0016	.0113	-.0054	.0028	.0007	.0166	.0005	.0340	30.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2291**	**810.6**	**337.8**	**5534.**	**3.346**	**.0011**	**.0014**	**2.944**	**.0047**
Stddev	.0137	5.8	4.0	46.	.005	.0008	.0002	.006	.0010
%RSD	5.960	.7192	1.170	.8272	.1436	75.39	17.38	.2122	20.51
#1	.2388	814.8	340.6	5566.	3.342	.0005	.0016	2.939	.0054
#2	.2195	806.5	335.0	5502.	3.349	.0017	.0012	2.948	.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.236**	**.0027**	**-.0045**	**-.0025**	**92.46**	**-.0120**	**.1368**
Stddev	.050	.0007	.0035	.0010	.35	.0024	.0061
%RSD	.9598	26.24	78.15	40.35	.3796	20.36	4.476
#1	5.271	.0033	-.0020	-.0032	92.21	-.0137	.1411
#2	5.200	.0022	-.0070	-.0018	92.71	-.0102	.1325

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75995.**	**18077.**	**2037.4**	**3735.0**
Stddev	38.	165.	6.2	7.3
%RSD	.05021	.91339	.30230	.19482
#1	75968.	17961.	2041.7	3740.1
#2	76022.	18194.	2033.0	3729.8

Zoom In Zoom Out

Sample Name: mp79835-s1 Acquired: 6/4/2014 12:44:34 Type: Unk
Method: Accutest 2(v53) 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	**1.881**	**.0467**	**.0484**	**.4947**	**.1890**	**.2423**	**.4767**	**.4905**	**.0501**
Stddev	.002	.0001	.0005	.0037	.0010	.0029	.0027	.0058	.0012
%RSD	.0854	.1640	1.070	.7576	.5379	1.207	.5667	1.181	2.337
#1	1.882	.0468	.0488	.4973	.1882	.2402	.4748	.4946	.0509
#2	1.879	.0467	.0480	.4920	.1897	.2444	.4786	.4864	.0492

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4525**	**.4775**	**2.055**	**1.796**	**.4754**	**2.004**	**.4842**	**1.925**	**51.90**
Stddev	.0005	.0054	.017	.011	.0012	.008	.0062	.027	.04
%RSD	.1171	1.127	.8021	.5938	.2511	.3940	1.288	1.420	.0860
#1	.4522	.4813	2.067	1.803	.4762	1.998	.4886	1.905	51.93
#2	.4529	.4737	2.043	1.788	.4746	2.010	.4798	1.944	51.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.135**	**831.6**	**370.2**	**4054.**	**5.182**	**1.757**	**1.802**	**4.990**	**1.620**
Stddev	.002	.8	.9	8.	.034	.013	.004	.027	.016
%RSD	.1686	.0953	.2333	.2016	.6628	.7163	.2299	.5472	1.0000
#1	1.136	832.1	370.8	4060.	5.206	1.765	1.799	5.009	1.631
#2	1.133	831.0	369.5	4048.	5.158	1.748	1.805	4.971	1.609

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.078**	**1.788**	**.0246**	**-.0008**	**98.23**	**.0228**	**.1453**
Stddev	.015	.008	.0018	.0002	.63	.0009	.0013
%RSD	.2167	.4708	7.339	28.97	.6416	3.987	.8810
#1	7.089	1.782	.0233	-.0009	98.68	.0235	.1462
#2	7.067	1.794	.0258	-.0006	97.79	.0222	.1444

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69584.**	**17687.**	**1875.9**	**3348.0**
Stddev	258.	1.	8.1	12.1
%RSD	.37057	.00324	.42990	.36156
#1	69766.	17687.	1870.2	3339.4
#2	69402.	17687.	1881.6	3356.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 12:47:40 Type: QC
Method: Accutest 2(v53) Mode: 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	**2.015**	**2.012**	**1.994**	**2.016**	**2.028**	**1.973**	**2.039**	**2.030**	**.2462**
Stddev	.001	.000	.006	.000	.006	.001	.001	.001	.0003
%RSD	.0499	.0143	.3226	.0183	.2807	.0393	.0450	.0457	.1182
#1	2.015	2.012	1.989	2.016	2.024	1.973	2.040	2.029	.2460
#2	2.016	2.012	1.998	2.016	2.032	1.972	2.039	2.030	.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	**2.004**	**2.043**	**2.008**	**2.070**	**2.044**	**2.013**	**2.018**	**39.47**	**39.44**
Stddev	.001	.001	.011	.007	.004	.005	.005	.04	.01
%RSD	.0559	.0671	.5251	.3524	.1817	.2584	.2439	.0921	.0136
#1	2.003	2.042	2.001	2.065	2.042	2.009	2.014	39.44	39.44
#2	2.005	2.044	2.015	2.075	2.047	2.017	2.021	39.50	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	**39.55**	**39.77**	**39.81**	**37.49**	**2.045**	**2.022**	**1.983**	**5.000**	**2.056**
Stddev	.03	.01	.03	.12	.008	.000	.004	.013	.002
%RSD	.0657	.0125	.0709	.3268	.3789	.0172	.2108	.2649	.0761
#1	39.53	39.77	39.83	37.40	2.040	2.022	1.980	4.991	2.055
#2	39.57	39.77	39.79	37.57	2.051	2.022	1.986	5.010	2.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 12:47:40 Type: QC
Method: Accutest 2(v53) 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	**2.022**	**2.006**	**1.981**	**2.023**	**1.997**	**2.021**	**2.003**
Stddev	.002	.000	.001	.002	.004	.003	.002
%RSD	.0990	.0047	.0695	.0951	.1878	.1555	.1057
#1	2.021	2.006	1.982	2.022	1.995	2.019	2.005
#2	2.024	2.006	1.980	2.025	2.000	2.023	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	**84350.**	**18670.**	**2225.6**	**4425.2**
Stddev	12.	51.	5.8	7.8
%RSD	.01430	.27548	.26069	.17695
#1	84359.	18706.	2229.7	4430.7
#2	84342.	18633.	2221.5	4419.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 12:50:36 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0001**	**-.0001**	**.0001**	**-.0003**	**.0001**	**-.0002**	**.0003**
Stddev	.0003	.0000	.0002	.0001	.0001	.0002	.0000	.0002	.0004
%RSD	63.39	18.72	293.9	81.21	91.48	77.31	10.92	70.66	152.7
#1	.0006	.0001	.0002	-.0001	.0002	-.0001	.0001	-.0001	-.0000
#2	.0002	.0001	-.0001	-.0002	.0000	-.0004	.0001	-.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	**-.0004**	**.0003**	**.0005**	**-.0002**	**-.0008**	**.0006**	**.0009**	**-.0119**	**.0028**
Stddev	.0005	.0000	.0002	.0006	.0002	.0018	.0003	.0180	.0011
%RSD	122.4	1.656	44.44	332.4	21.61	298.6	39.71	150.9	40.86
#1	-.0001	.0003	.0007	.0003	-.0007	-.0007	.0011	.0008	.0020
#2	-.0007	.0003	.0003	-.0006	-.0010	.0019	.0006	-.0247	.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	**.0043**	**.0018**	**.0660**	**.3919**	**.0050**	**.0006**	**-.0010**	**-.0003**	**-.0001**
Stddev	.0025	.0157	.0466	.0136	.0002	.0002	.0002	.0005	.0004
%RSD	57.32	868.4	70.60	3.465	4.413	28.63	18.30	160.5	635.2
#1	.0060	.0129	.0330	.4015	.0052	.0005	-.0009	.0000	.0002
#2	.0025	-.0093	.0989	.3823	.0048	.0007	-.0011	-.0007	-.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: 6/4/2014 12:50:36 Type: QC
Method: Accutest 2(v53) 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**	**F .0123**	**.0007**	**.0096**	**.0013**	**-.0011**
Stddev	.0001	.0000	.0009	.0002	.0006	.0016	.0004
%RSD	18.26	11.59	7.403	23.05	5.985	125.2	37.53
#1	.0003	.0003	.0117	.0006	.0100	.0024	-.0008
#2	.0004	.0002	.0130	.0008	.0092	.0001	-.0014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88968.**	**18634.**	**2324.5**	**4882.5**
Stddev	128.	139.	8.5	20.3
%RSD	.14422	.74569	.36780	.41653
#1	89058.	18536.	2318.4	4868.2
#2	88877.	18732.	2330.5	4896.9

Zoom In Zoom Out

Sample Name: mp79835-s2 Acquired: 6/4/2014 12:53:47 Type: Unk
Method: Accutest 2(v53) 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	**1.796**	**.0447**	**.0465**	**.4751**	**.1814**	**.2334**	**.4585**	**.4672**	**.0483**
Stddev	.001	.0000	.0004	.0027	.0031	.0006	.0006	.0038	.0005
%RSD	.0451	.0487	.8034	.5748	1.733	.2527	.1304	.8218	.9569
#1	1.796	.0447	.0462	.4770	.1792	.2330	.4581	.4699	.0480
#2	1.797	.0447	.0468	.4732	.1837	.2339	.4589	.4645	.0486

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4338**	**.4653**	**1.982**	**1.718**	**.4584**	**1.919**	**.4609**	**1.846**	**50.89**
Stddev	.0016	.0036	.013	.008	.0008	.001	.0059	.021	.17
%RSD	.3785	.7753	.6444	.4741	.1789	.0300	1.281	1.161	.3261
#1	.4327	.4678	1.991	1.724	.4578	1.920	.4651	1.831	51.01
#2	.4350	.4627	1.973	1.712	.4589	1.919	.4568	1.861	50.77

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.124**	**796.6**	**351.2**	**4222.**	**4.955**	**1.684**	**1.700**	**4.784**	**1.581**
Stddev	.006	.2	1.9	65.	.030	.008	.009	.026	.016
%RSD	.5797	.0269	.5451	1.534	.5976	.4684	.5474	.5549	1.035
#1	1.120	796.7	352.6	4268.	4.976	1.690	1.693	4.803	1.592
#2	1.129	796.4	349.9	4176.	4.934	1.678	1.707	4.765	1.569

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.746**	**1.703**	**.0344**	**.0014**	**94.69**	**.0216**	**.1357**
Stddev	.003	.007	.0012	.0000	.56	.0039	.0013
%RSD	.0452	.3933	3.495	3.188	.5965	17.99	.9638
#1	6.749	1.699	.0352	.0014	95.09	.0189	.1366
#2	6.744	1.708	.0335	.0014	94.29	.0244	.1348

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70276.**	**17912.**	**1880.8**	**3363.7**
Stddev	40.	38.	9.2	13.9
%RSD	.05657	.21111	.49129	.41183
#1	70304.	17939.	1874.3	3353.9
#2	70248.	17886.	1887.3	3373.5

Zoom In Zoom Out

Sample Name: c34290-1 Acquired: 6/4/2014 12:56:51 Type: Unk
Method: Accutest 2(v53) 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	**.0183**	**.0002**	**-.0003**	**.0097**	**-.0002**	**.0108**	**.0104**	**.0037**	**-.0059**
Stddev	.0002	.0003	.0002	.0006	.0012	.0011	.0001	.0003	.0006
%RSD	.9083	116.7	65.11	6.311	575.1	10.65	.8173	9.246	10.06
#1	.0181	.0004	-.0002	.0093	.0006	.0100	.0103	.0035	-.0054
#2	.0184	.0000	-.0005	.0102	-.0010	.0116	.0104	.0040	-.0063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0909**	**.0003**	**.0027**	**.0005**	**.0093**	**.0011**	**.0333**	**29.68**
Stddev	.0014	.0006	.0011	.0005	.0001	.0040	.0027	.0046	.31
%RSD	1267.	.7102	414.3	18.36	11.88	43.55	241.1	13.77	1.032
#1	.0009	.0914	-.0005	.0030	.0005	.0121	-.0008	.0366	29.47
#2	-.0011	.0905	.0010	.0023	.0004	.0064	.0030	.0301	29.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2392**	**813.0**	**344.3**	**3969.**	**3.343**	**.0028**	**.0046**	**3.020**	**.0079**
Stddev	.0035	10.1	2.8	11.	.012	.0008	.0053	.009	.0001
%RSD	1.468	1.247	.8256	.2747	.3670	27.93	114.8	.3110	1.590
#1	.2417	805.8	342.2	3977.	3.352	.0034	.0009	3.026	.0079
#2	.2368	820.1	346.3	3962.	3.335	.0023	.0084	3.013	.0078

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.231**	**.0032**	**.0137**	**-.0013**	**96.41**	**-.0116**	**.1452**
Stddev	.059	.0007	.0003	.0002	.35	.0013	.0067
%RSD	1.119	23.11	2.099	16.82	.3637	11.22	4.641
#1	5.189	.0027	.0135	-.0015	96.65	-.0106	.1404
#2	5.272	.0037	.0139	-.0012	96.16	-.0125	.1499

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68895.**	**17433.**	**1864.1**	**3322.0**
Stddev	169.	98.	5.5	13.5
%RSD	.24511	.56355	.29289	.40735
#1	69015.	17503.	1860.2	3312.4
#2	68776.	17364.	1868.0	3331.6

Zoom In Zoom Out

Sample Name: mp79835-sd1 Acquired: 6/4/2014 13:00:04 Type: Unk
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0218**	**.0002**	**-.0005**	**.0095**	**.0013**	**.0260**	**.0118**	**-.0025**	**-.0124**
Stddev	.0020	.0005	.0012	.0010	.0044	.0041	.0004	.0040	.0071
%RSD	9.151	262.2	244.0	10.81	339.0	15.91	3.523	161.7	56.97
#1	.0204	.0005	.0004	.0102	-.0018	.0289	.0115	.0004	-.0074
#2	.0232	-.0001	-.0014	.0087	.0044	.0230	.0121	-.0054	-.0174

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0062**	**.0207**	**-.0043**	**.0000**	**.0009**	**.0427**	**.0030**	**-.0869**	**31.33**
Stddev	.0017	.0011	.0045	.0212	.0041	.0269	.0101	.0753	.35
%RSD	26.60	5.373	104.7	285800.	475.6	63.13	332.6	86.63	1.117
#1	-.0050	.0215	-.0075	-.0150	-.0020	.0617	-.0041	-.1402	31.09
#2	-.0074	.0199	-.0011	.0150	.0037	.0236	.0102	-.0337	31.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2642**	**823.6**	**345.9**	**6640.**	**3.597**	**.0003**	**-.0063**	**3.062**	**.0086**
Stddev	.0104	5.4	2.4	66.	.006	.0011	.0186	.020	.0028
%RSD	3.939	.6528	.6877	.9976	.1813	313.1	295.2	.6477	32.70
#1	.2715	819.8	344.2	6594.	3.602	.0011	-.0194	3.076	.0105
#2	.2568	827.4	347.6	6687.	3.592	-.0004	.0068	3.048	.0066

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.348**	**.0047**	**.0021**	**-.0045**	**96.20**	**-.0203**	**.1361**
Stddev	.029	.0004	.0046	.0016	.13	.0081	.0002
%RSD	.5419	8.181	218.5	34.63	.1382	39.91	.1122
#1	5.328	.0044	-.0011	-.0056	96.29	-.0260	.1362
#2	5.369	.0049	.0053	-.0034	96.10	-.0146	.1360

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78770.**	**18383.**	**2099.9**	**3928.9**
Stddev	121.	54.	2.4	2.9
%RSD	.15424	.29490	.11363	.07452
#1	78684.	18421.	2098.3	3926.8
#2	78856.	18345.	2101.6	3931.0

Zoom In Zoom Out

Sample Name: mp79835-s1 Acquired: 6/4/2014 13:03:18 Type: Unk
Method: Accutest 2(v53) 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	**1.892**	**.0482**	**.0473**	**.5126**	**.1946**	**.2487**	**.4889**	**.5048**	**.0454**
Stddev	.002	.0005	.0009	.0025	.0019	.0001	.0011	.0004	.0021
%RSD	.0848	1.084	1.987	.4813	.9990	.0590	.2340	.0843	4.608
#1	1.891	.0485	.0480	.5109	.1960	.2488	.4881	.5051	.0469
#2	1.893	.0478	.0467	.5144	.1933	.2486	.4897	.5045	.0439

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4602**	**.5015**	**2.059**	**1.895**	**.5089**	**2.013**	**.4819**	**1.854**	**53.24**
Stddev	.0017	.0001	.003	.011	.0008	.010	.0011	.004	.12
%RSD	.3606	.0241	.1456	.5841	.1657	.4861	.2339	.2234	.2241
#1	.4613	.5014	2.061	1.887	.5083	2.006	.4811	1.857	53.32
#2	.4590	.5015	2.057	1.903	.5095	2.020	.4827	1.852	53.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.190**	**832.9**	**366.0**	**6282.**	**5.423**	**1.856**	**1.786**	**5.051**	**1.730**
Stddev	.001	.9	.1	117.	.012	.008	.003	.026	.002
%RSD	.0769	.1043	.0343	1.865	.2166	.4419	.1432	.5217	.1211
#1	1.189	833.5	366.1	6365.	5.415	1.851	1.788	5.032	1.728
#2	1.190	832.2	365.9	6199.	5.431	1.862	1.784	5.069	1.731

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.156**	**1.831**	**.0205**	**-.0020**	**98.53**	**.0250**	**.1425**
Stddev	.004	.006	.0052	.0010	.44	.0053	.0006
%RSD	.0596	.3057	25.52	50.16	.4462	21.10	.4448
#1	7.153	1.827	.0168	-.0027	98.22	.0213	.1421
#2	7.159	1.835	.0242	-.0013	98.84	.0288	.1430

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74999.**	**17947.**	**2012.4**	**3689.1**
Stddev	443.	34.	12.9	22.2
%RSD	.59108	.18829	.64274	.60170
#1	75312.	17923.	2003.3	3673.4
#2	74685.	17971.	2021.6	3704.8

Zoom In Zoom Out

Sample Name: mp79835-s2 Acquired: 6/4/2014 13:06:27 Type: Unk
Method: Accutest 2(v53) 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	**1.822**	**.0465**	**.0467**	**.4927**	**.1883**	**.2449**	**.4779**	**.4848**	**.0438**
Stddev	.017	.0004	.0003	.0003	.0018	.0009	.0023	.0016	.0039
%RSD	.9223	.8584	.5896	.0703	.9571	.3666	.4841	.3348	8.954
#1	1.810	.0462	.0465	.4924	.1896	.2442	.4762	.4860	.0466
#2	1.833	.0468	.0469	.4929	.1870	.2455	.4795	.4837	.0411

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4478**	**.4796**	**1.965**	**1.800**	**.4745**	**1.898**	**.4677**	**1.801**	**52.69**
Stddev	.0003	.0026	.005	.007	.0086	.006	.0089	.031	.50
%RSD	.0598	.5473	.2684	.3798	1.809	.3331	1.905	1.730	.9481
#1	.4476	.4815	1.969	1.805	.4806	1.903	.4614	1.778	52.33
#2	.4479	.4777	1.961	1.795	.4684	1.894	.4740	1.823	53.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.145**	**802.0**	**350.4**	**6037.**	**5.174**	**1.776**	**1.715**	**4.818**	**1.685**
Stddev	.016	6.8	3.0	16.	.018	.005	.010	.025	.004
%RSD	1.431	.8527	.8535	.2629	.3490	.2886	.6028	.5186	.2652
#1	1.134	797.2	348.3	6049.	5.187	1.780	1.707	4.836	1.688
#2	1.157	806.9	352.6	6026.	5.161	1.772	1.722	4.801	1.682

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.856**	**1.771**	**.0256**	**-.0024**	**94.42**	**.0265**	**.1395**
Stddev	.055	.012	.0062	.0003	.26	.0067	.0027
%RSD	.8039	.6813	24.06	10.68	.2725	25.44	1.969
#1	6.817	1.762	.0212	-.0022	94.60	.0217	.1414
#2	6.895	1.779	.0299	-.0025	94.24	.0313	.1375

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75136.**	**18259.**	**2003.2**	**3681.3**
Stddev	583.	154.	2.0	6.6
%RSD	.77556	.84209	.10234	.17959
#1	75548.	18368.	2004.6	3685.9
#2	74724.	18151.	2001.7	3676.6

Zoom In Zoom Out

Sample Name: c34290-1 Acquired: 6/4/2014 13:09:36 Type: Unk
Method: Accutest 2(v53) 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	**.0193**	**-.0004**	**-.0020**	**.0101**	**.0010**	**.0131**	**.0102**	**.0005**	**-.0056**
Stddev	.0008	.0002	.0013	.0000	.0030	.0014	.0001	.0009	.0025
%RSD	4.035	65.07	63.77	.2055	298.1	10.99	.9001	186.1	45.25
#1	.0188	-.0005	-.0030	.0101	.0031	.0121	.0101	.0011	-.0038
#2	.0199	-.0002	-.0011	.0101	-.0011	.0141	.0102	-.0001	-.0074

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0014**	**.0102**	**.0018**	**.0085**	**-.0011**	**.0098**	**.0018**	**-.0122**	**30.39**
Stddev	.0017	.0001	.0023	.0024	.0073	.0134	.0060	.0420	.03
%RSD	122.0	1.250	128.1	28.29	664.1	137.0	324.8	343.3	.1071
#1	-.0025	.0103	.0034	.0102	.0041	.0193	.0061	.0175	30.41
#2	-.0002	.0101	.0002	.0068	-.0063	.0003	-.0024	-.0419	30.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2468**	**809.0**	**342.7**	**6152.**	**3.418**	**.0022**	**.0010**	**3.002**	**.0040**
Stddev	.0054	2.0	1.0	76.	.038	.0010	.0086	.047	.0067
%RSD	2.199	.2410	.2937	1.233	1.104	47.28	886.4	1.557	166.5
#1	.2430	810.4	343.4	6205.	3.445	.0014	.0070	3.035	-.0007
#2	.2507	807.6	342.0	6098.	3.391	.0029	-.0051	2.969	.0088

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.282**	**.0038**	**.0086**	**-.0027**	**94.76**	**-.0142**	**.1457**
Stddev	.007	.0001	.0088	.0013	.66	.0095	.0111
%RSD	.1256	3.096	103.1	47.82	.6962	66.90	7.616
#1	5.287	.0037	.0023	-.0018	95.23	-.0075	.1536
#2	5.277	.0038	.0148	-.0036	94.30	-.0210	.1379

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74802.**	**18005.**	**2014.7**	**3688.9**
Stddev	45.	114.	12.8	19.6
%RSD	.05973	.63113	.63645	.53203
#1	74833.	17925.	2005.6	3675.0
#2	74770.	18086.	2023.7	3702.8

Zoom In Zoom Out

Sample Name: mp79835-sd1 Acquired: 6/4/2014 13:12:49 Type: Unk
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0199**	**.0003**	**-.0038**	**-.0039**	**-.0031**	**.0465**	**.0117**	**.0010**	**-.0083**
Stddev	.0035	.0010	.0128	.0067	.0095	.0120	.0014	.0058	.0082
%RSD	17.66	322.9	335.8	172.8	302.9	25.82	12.04	591.8	98.28
#1	.0224	.0010	.0052	.0009	.0036	.0380	.0107	.0051	-.0141
#2	.0174	-.0004	-.0128	-.0087	-.0099	.0550	.0127	-.0031	-.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0035**	**.0409**	**.0008**	**.0171**	**.0168**	**.0457**	**-.0071**	**-.0875**	**31.12**
Stddev	.0056	.0036	.0040	.0288	.0106	.0007	.0476	.1214	.12
%RSD	161.9	8.882	533.3	168.6	63.23	1.490	670.8	138.7	.3804
#1	-.0005	.0435	.0036	-.0033	.0093	.0461	.0266	-.1733	31.04
#2	.0074	.0383	-.0021	.0374	.0243	.0452	-.0407	-.0017	31.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2859**	**801.7**	**334.7**	**7510.**	**3.554**	**-.0077**	**-.0068**	**3.062**	**.0118**
Stddev	.0215	4.8	.6	4.	.017	.0012	.0173	.026	.0082
%RSD	7.518	.5929	.1792	.0522	.4837	16.16	255.7	.8502	69.43
#1	.2707	805.1	335.1	7513.	3.542	-.0068	.0055	3.081	.0060
#2	.3011	798.4	334.3	7507.	3.566	-.0086	-.0190	3.044	.0176

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.225**	**.0000**	**-.0758**	**-.0088**	**90.86**	**-.0331**	**.1684**
Stddev	.022	.0303	.0193	.0048	.04	.0023	.0082
%RSD	.4173	81140.	25.41	54.85	.0471	6.944	4.862
#1	5.241	-.0214	-.0894	-.0054	90.89	-.0348	.1626
#2	5.210	.0215	-.0622	-.0122	90.83	-.0315	.1742

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82576.**	**18514.**	**2181.9**	**4207.8**
Stddev	394.	27.	1.2	7.0
%RSD	.47668	.14780	.05291	.16570
#1	82854.	18534.	2182.7	4212.8
#2	82298.	18495.	2181.1	4202.9

Zoom In Zoom Out

Sample Name: mp79824-mb1conf Acquired: 6/4/2014 13:16:04 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0025**	**.0001**	**.0004**	**-.0004**	**.0008**	**.0037**	**.0040**	**.0015**	**-.0002**
Stddev	.0003	.0000	.0003	.0002	.0001	.0005	.0000	.0005	.0003
%RSD	11.72	32.46	78.01	65.90	17.71	13.59	1.158	30.80	133.2
#1	.0023	.0001	.0006	-.0002	.0007	.0034	.0040	.0012	-.0000
#2	.0027	.0001	.0002	-.0005	.0009	.0041	.0041	.0018	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0016**	**-.0011**	**-.0028**	**-.0010**	**.0064**	**.0026**	**-.0065**	**.0883**
Stddev	.0002	.0000	.0006	.0008	.0004	.0004	.0007	.0035	.0030
%RSD	298.5	1.496	50.33	30.58	39.38	5.916	25.37	52.72	3.449
#1	.0002	.0016	-.0007	-.0022	-.0013	.0067	.0030	-.0041	.0904
#2	-.0001	.0015	-.0015	-.0034	-.0007	.0062	.0021	-.0090	.0861

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3406**	**-.0212**	**.1641**	**962.1**	**.0046**	**-.0001**	**-.0008**	**.2469**	**.0020**
Stddev	.0013	.0034	.0104	1.1	.0001	.0002	.0005	.0014	.0005
%RSD	.3874	16.09	6.335	.1111	2.806	137.1	67.08	.5595	26.93
#1	.3396	-.0188	.1568	961.3	.0047	-.0003	-.0012	.2478	.0016
#2	.3415	-.0237	.1715	962.8	.0045	-.0000	-.0004	.2459	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0073**	**.0001**	**-.0043**	**-.0005**	**.0349**	**-.0029**	**-.0021**
Stddev	.0000	.0002	.0013	.0002	.0012	.0019	.0018
%RSD	.3019	163.0	31.33	42.47	3.477	63.95	82.20
#1	.0073	.0002	-.0052	-.0006	.0358	-.0043	-.0034
#2	.0073	-.0000	-.0033	-.0003	.0341	-.0016	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78862.**	**18621.**	**2098.1**	**3938.1**
Stddev	446.	19.	9.5	17.0
%RSD	.56512	.10373	.45483	.43053
#1	79177.	18607.	2091.4	3926.2
#2	78547.	18635.	2104.9	3950.1

Zoom In Zoom Out

Sample Name: mp79824-s1 2 Acquired: 6/4/2014 13:19:20 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.223**	**.0521**	**.0504**	**.5236**	**.2080**	**.2504**	**1.328**	**.5352**	**.0532**
Stddev	.015	.0001	.0001	.0042	.0003	.0006	.004	.0025	.0001
%RSD	.6586	.1106	.2057	.7965	.1213	.2381	.3406	.4635	.2159
#1	2.212	.0521	.0505	.5265	.2082	.2500	1.325	.5369	.0533
#2	2.233	.0522	.0504	.5206	.2078	.2508	1.331	.5334	.0531

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4883**	**.5748**	**2.127**	**1.945**	**2.053**	**2.130**	**.5012**	**2.202**	**77.43**
Stddev	.0010	.0025	.003	.008	.015	.006	.0004	.024	.51
%RSD	.2060	.4355	.1519	.4190	.7320	.3057	.0822	1.072	.6651
#1	.4876	.5766	2.129	1.951	2.064	2.135	.5015	2.185	77.06
#2	.4890	.5731	2.125	1.939	2.042	2.125	.5009	2.218	77.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.038**	**24.43**	**2.601**	**979.2**	**2.146**	**1.966**	**1.924**	**4.505**	**1.896**
Stddev	.007	.19	.003	17.3	.004	.006	.004	.010	.009
%RSD	.6750	.7806	.1069	1.762	.1879	.3240	.2092	.2238	.4718
#1	1.033	24.29	2.599	991.4	2.148	1.970	1.922	4.512	1.902
#2	1.043	24.56	2.603	967.0	2.143	1.961	1.927	4.498	1.890

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.153**	**1.937**	**.0180**	**.0002**	**1.170**	**.0450**	**.0047**
Stddev	.011	.009	.0003	.0001	.007	.0000	.0008
%RSD	.5245	.4678	1.402	35.74	.5670	.0989	18.24
#1	2.145	1.930	.0178	.0003	1.174	.0450	.0053
#2	2.161	1.943	.0182	.0002	1.165	.0450	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78360.**	**18674.**	**2079.0**	**3875.3**
Stddev	315.	128.	5.9	14.0
%RSD	.40228	.68650	.28288	.36004
#1	78583.	18584.	2074.9	3865.4
#2	78137.	18765.	2083.2	3885.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 13:22:24 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.017**	**1.988**	**2.020**	**2.055**	**1.983**	**2.057**	**2.023**	**.2474**
Stddev	.001	.003	.010	.007	.007	.003	.005	.008	.0004
%RSD	.0524	.1376	.5029	.3637	.3199	.1310	.2454	.4077	.1470
#1	2.013	2.019	1.995	2.025	2.051	1.981	2.053	2.029	.2477
#2	2.015	2.015	1.981	2.015	2.060	1.985	2.061	2.017	.2472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.044**	**2.009**	**2.055**	**2.046**	**2.016**	**2.023**	**39.47**	**39.33**
Stddev	.004	.010	.011	.010	.011	.007	.005	.02	.13
%RSD	.1853	.4947	.5304	.4863	.5591	.3524	.2570	.0577	.3325
#1	2.021	2.051	2.016	2.062	2.054	2.021	2.027	39.45	39.42
#2	2.026	2.037	2.001	2.048	2.038	2.011	2.020	39.48	39.23
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	**39.19**	**39.63**	**39.90**	**39.12**	**2.046**	**2.021**	**1.998**	**5.005**	**2.058**
Stddev	.03	.06	.10	.01	.011	.010	.001	.015	.007
%RSD	.0703	.1616	.2549	.0281	.5462	.4744	.0683	.3005	.3550
#1	39.21	39.68	39.97	39.11	2.054	2.028	1.999	5.016	2.063
#2	39.17	39.59	39.82	39.13	2.038	2.014	1.997	4.994	2.053
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: 6/4/2014 13:22:24 Type: QC
Method: Accutest 2(v53) 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	**2.024**	**2.015**	**1.984**	**2.043**	**1.983**	**2.034**	**2.024**
Stddev	.004	.004	.003	.005	.009	.011	.002
%RSD	.1721	.2148	.1300	.2615	.4294	.5399	.0856
#1	2.021	2.012	1.986	2.039	1.989	2.042	2.025
#2	2.026	2.018	1.982	2.047	1.977	2.026	2.023
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	**83467.**	**18210.**	**2207.1**	**4392.2**
Stddev	432.	29.	9.5	12.3
%RSD	.51742	.15898	.42825	.27922
#1	83772.	18190.	2200.4	4383.5
#2	83162.	18230.	2213.8	4400.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 13:25:21 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0002**	**-.0000**	**-.0000**	**-.0008**	**.0001**	**-.0002**	**.0004**
Stddev	.0001	.0000	.0000	.0001	.0002	.0002	.0000	.0000	.0002
%RSD	18.56	3.163	11.02	233.6	616.5	29.10	23.45	8.070	59.64
#1	.0006	.0001	.0002	-.0001	.0001	-.0007	.0001	-.0002	.0002
#2	.0004	.0001	.0002	.0000	-.0002	-.0010	.0001	-.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	**-.0001**	**.0004**	**.0006**	**-.0006**	**-.0005**	**-.0006**	**.0011**	**-.0172**	**.0030**
Stddev	.0002	.0000	.0000	.0015	.0010	.0037	.0013	.0058	.0027
%RSD	321.8	6.225	1.200	245.2	200.2	676.9	115.0	33.46	90.55
#1	.0001	.0004	.0006	.0005	-.0012	-.0032	.0020	-.0131	.0011
#2	-.0002	.0005	.0006	-.0017	.0002	.0021	.0002	-.0213	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**-.0221**	**-.0280**	**.2250**	**.0039**	**.0004**	**-.0003**	**.0009**	**-.0004**
Stddev	.0003	.0459	.0056	.0129	.0006	.0001	.0008	.0021	.0006
%RSD	21.32	207.7	19.91	5.723	14.31	17.77	250.0	224.1	174.2
#1	.0013	-.0546	-.0241	.2341	.0043	.0005	-.0009	.0024	.0001
#2	.0017	.0104	-.0320	.2159	.0035	.0004	.0002	-.0005	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 13:25:21 Type: QC
Method: Accutest 2(v53) 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**	**F .0123**	**.0006**	**.0066**	**-.0008**	**.0020**
Stddev	.0000	.0003	.0008	.0000	.0025	.0011	.0015
%RSD	16.27	116.9	6.150	3.886	37.76	129.0	78.08
#1	.0002	-.0000	.0117	.0006	.0084	-.0016	.0009
#2	.0002	-.0005	.0128	.0005	.0049	-.0001	.0031
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87866.**	**18386.**	**2290.8**	**4819.8**
Stddev	199.	2.	5.2	3.7
%RSD	.22635	.01198	.22506	.07694
#1	87726.	18387.	2287.2	4817.2
#2	88007.	18384.	2294.4	4822.5

Zoom In Zoom Out

Sample Name: mp79824-s2 Acquired: 6/4/2014 13:28:32 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.272**	**.0534**	**.0516**	**.5417**	**.2159**	**.2588**	**1.356**	**.5524**	**.0546**
Stddev	.003	.0001	.0002	.0041	.0002	.0006	.004	.0021	.0003
%RSD	.1171	.1313	.4392	.7632	.0887	.2424	.2935	.3788	.5076
#1	2.274	.0533	.0518	.5447	.2160	.2584	1.353	.5539	.0544
#2	2.270	.0534	.0515	.5388	.2157	.2592	1.359	.5509	.0548

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5046**	**.5935**	**2.197**	**1.997**	**2.118**	**2.189**	**.5177**	**2.253**	**77.87**
Stddev	.0016	.0043	.010	.012	.015	.005	.0043	.011	.00
%RSD	.3197	.7202	.4595	.6008	.7003	.2253	.8272	.4712	.0048
#1	.5034	.5965	2.204	2.006	2.128	2.193	.5207	2.245	77.87
#2	.5057	.5905	2.190	1.989	2.107	2.186	.5147	2.260	77.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.074**	**24.48**	**2.486**	**1022.**	**2.204**	**2.022**	**1.983**	**4.603**	**1.954**
Stddev	.007	.05	.037	3.	.013	.011	.004	.027	.012
%RSD	.6269	.2015	1.470	.3069	.5750	.5464	.1852	.5856	.6289
#1	1.069	24.44	2.460	1024.	2.213	2.030	1.981	4.622	1.962
#2	1.079	24.51	2.512	1020.	2.195	2.014	1.986	4.584	1.945

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.189**	**1.995**	**.0266**	**.0004**	**1.182**	**.0446**	**.0061**
Stddev	.003	.009	.0000	.0000	.010	.0017	.0002
%RSD	.1174	.4478	.0456	2.701	.8176	3.710	3.709
#1	2.191	1.989	.0266	.0004	1.189	.0435	.0062
#2	2.187	2.001	.0266	.0004	1.175	.0458	.0059

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78218.**	**18699.**	**2075.2**	**3862.3**
Stddev	361.	86.	8.1	13.5
%RSD	.46181	.46045	.39271	.34941
#1	78473.	18760.	2069.4	3852.8
#2	77962.	18638.	2080.9	3871.8

Zoom In Zoom Out

Sample Name: mp79823-mb1conf Acquired: 6/4/2014 13:31:36 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0157**	**.0000**	**.0001**	**-.0002**	**.0005**	**.0035**	**.0033**	**.0110**	**.0001**
Stddev	.0003	.0000	.0003	.0000	.0001	.0005	.0000	.0000	.0002
%RSD	1.649	70.89	526.3	1.685	25.99	14.06	1.108	.3838	132.0
#1	.0158	.0000	-.0002	-.0002	.0004	.0031	.0033	.0110	.0000
#2	.0155	.0000	.0003	-.0002	.0006	.0038	.0033	.0110	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0009**	**-.0013**	**-.0006**	**.0012**	**.0035**	**.0026**	**.0057**	**.1677**
Stddev	.0004	.0001	.0014	.0001	.0012	.0017	.0012	.0117	.0036
%RSD	325.0	7.883	110.9	18.66	101.4	47.49	45.35	206.0	2.146
#1	.0002	.0008	-.0003	-.0006	.0020	.0046	.0035	-.0026	.1702
#2	-.0004	.0009	-.0023	-.0005	.0003	.0023	.0018	.0139	.1652

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1005**	**.0154**	**.0205**	**968.6**	**.0055**	**.0004**	**-.0007**	**.7215**	**.0018**
Stddev	.0032	.0097	.0041	15.8	.0005	.0001	.0010	.0001	.0010
%RSD	3.178	63.07	19.81	1.630	8.839	15.81	141.7	.0200	53.85
#1	.0982	.0085	.0234	979.7	.0052	.0003	.0000	.7216	.0025
#2	.1028	.0223	.0176	957.4	.0059	.0004	-.0015	.7214	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0097**	**.0000**	**-.0002**	**-.0008**	**.0473**	**-.0007**	**.0014**
Stddev	.0001	.0008	.0005	.0000	.0008	.0007	.0004
%RSD	.9268	3268.	269.2	1.385	1.590	98.63	31.56
#1	.0097	-.0005	-.0005	-.0008	.0478	-.0012	.0017
#2	.0096	.0006	.0002	-.0008	.0468	-.0002	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78177.**	**18501.**	**2085.4**	**3910.2**
Stddev	264.	54.	1.8	3.7
%RSD	.33768	.29378	.08495	.09524
#1	78364.	18539.	2084.2	3907.5
#2	77991.	18463.	2086.7	3912.8

Zoom In Zoom Out

Sample Name: jb67885-1 Acquired: 6/4/2014 13:34:52 Type: Unk
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.287**	**-.0012**	**-.0010**	**.0953**	**.0121**	**.0217**	**60.18**	**2.394**	**.0595**
Stddev	.000	.0013	.0006	.0010	.0039	.0054	.53	.001	.0067
%RSD	.0214	103.0	63.21	1.093	32.36	24.87	.8782	.0577	11.25
#1	1.286	-.0003	-.0006	.0946	.0149	.0255	59.81	2.393	.0548
#2	1.287	-.0021	-.0015	.0961	.0093	.0179	60.55	2.395	.0643

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0278**	**.0572**	**-.0227**	**.0232**	**.0039**	**.0350**	**-.0021**	**-.0845**	**60.92**
Stddev	.0032	.0005	.0120	.0294	.0035	.0116	.0029	.0779	.22
%RSD	11.37	.9142	52.92	126.3	89.98	33.17	137.6	92.27	.3622
#1	.0300	.0568	-.0311	.0440	.0064	.0268	-.0001	-.0294	61.07
#2	.0256	.0576	-.0142	.0025	.0014	.0432	-.0042	-.1396	60.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**517.1**	**5.974**	**7.281**	**1190.**	**.5150**	**-.0024**	**.0442**	**.5639**	**-.0073**
Stddev	2.5	.095	.416	3.	.0116	.0010	.0285	.0149	.0121
%RSD	.4849	1.585	5.714	.2225	2.253	42.76	64.50	2.637	165.4
#1	518.8	6.041	7.575	1192.	.5068	-.0031	.0644	.5744	-.0159
#2	515.3	5.907	6.987	1188.	.5232	-.0017	.0240	.5534	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2000**	**-.0050**	**-.0109**	**-.0002**	**4.535**	**.0816**	**.0612**
Stddev	.0003	.0022	.0016	.0020	.019	.0005	.0123
%RSD	.1336	44.40	14.99	1037.	.4159	.6048	20.07
#1	.2002	-.0066	-.0121	.0012	4.522	.0819	.0526
#2	.1998	-.0034	-.0098	-.0016	4.548	.0813	.0699

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83917.**	**18205.**	**2219.5**	**4434.4**
Stddev	112.	5.	9.2	16.0
%RSD	.13321	.02839	.41452	.36135
#1	83838.	18209.	2213.0	4423.1
#2	83996.	18202.	2226.0	4445.7

Zoom In Zoom Out

Sample Name: jb67923-6 Acquired: 6/4/2014 13:38:06 Type: Unk
Method: Accutest 2(v53) 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	**.0354**	**.0008**	**.0001**	**.0161**	**1.205**	**.0189**	**6.672**	**.5282**	**.0303**
Stddev	.0004	.0001	.0002	.0003	.007	.0010	.043	.0007	.0057
%RSD	1.049	16.58	189.0	1.932	.5865	5.291	.6500	.1261	18.91
#1	.0357	.0007	-.0000	.0163	1.200	.0196	6.641	.5287	.0343
#2	.0352	.0008	.0002	.0159	1.210	.0182	6.703	.5277	.0262

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0395**	**.2954**	**.0010**	**-.0124**	**.3995**	**.0141**	**-.0119**	**11.87**	**6.935**
Stddev	.0001	.0003	.0021	.0016	.0005	.0041	.0002	.04	.058
%RSD	.1896	.0989	223.1	13.31	.1347	28.92	1.918	.3193	.8327
#1	.0396	.2956	.0025	-.0112	.3991	.0170	-.0118	11.90	6.976
#2	.0394	.2951	-.0006	-.0135	.3998	.0112	-.0121	11.85	6.894

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**635.2**	**2.860**	**7.554**	**1238.**	**.1104**	**.0086**	**.0575**	**1.353**	**-.0080**
Stddev	3.8	.059	.217	9.	.0024	.0004	.0004	.007	.0008
%RSD	.6019	2.060	2.872	.7194	2.194	4.752	.6615	.5153	10.28
#1	637.9	2.902	7.707	1244.	.1087	.0083	.0578	1.358	-.0074
#2	632.5	2.818	7.400	1232.	.1122	.0088	.0572	1.348	-.0086

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0641**	**.0490**	**.0043**	**-.0015**	**976.3**	**.0886**	**.0341**
Stddev	.0002	.0009	.0026	.0001	.4	.0003	.0004
%RSD	.3824	1.854	61.00	8.606	.0452	.3648	1.041
#1	.0642	.0483	.0025	-.0014	976.6	.0884	.0344
#2	.0639	.0496	.0062	-.0016	976.0	.0889	.0339

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80418.**	**18644.**	**2120.8**	**4160.3**
Stddev	366.	11.	.6	4.8
%RSD	.45484	.05808	.02876	.11544
#1	80676.	18636.	2121.3	4163.7
#2	80159.	18652.	2120.4	4156.9

Zoom In Zoom Out

Sample Name: mp79800-mb1conf Acquired: 6/4/2014 13:41:16 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0011**	**.0000**	**.0004**	**-.0001**	**.0012**	**.0007**	**.0073**	**.0010**	**.0001**
Stddev	.0002	.0000	.0000	.0003	.0005	.0000	.0001	.0001	.0000
%RSD	13.52	290.2	3.061	279.9	37.50	4.622	1.444	7.843	8.658
#1	.0012	.0001	.0003	.0001	.0009	.0008	.0073	.0009	.0001
#2	.0010	-.0000	.0004	-.0004	.0016	.0007	.0072	.0010	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0146**	**.0004**	**-.0012**	**.0005**	**.0023**	**.0009**	**.0100**	**.1024**
Stddev	.0003	.0005	.0002	.0014	.0000	.0004	.0002	.0001	.0020
%RSD	86.68	3.165	51.60	118.1	10.04	15.86	19.38	.8672	1.973
#1	-.0001	.0149	.0005	-.0022	.0004	.0020	.0011	.0099	.1009
#2	-.0005	.0143	.0002	-.0002	.0005	.0025	.0008	.0101	.1038

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9363**	**.0159**	**-.0185**	**.3592**	**.0011**	**-.0001**	**-.0014**	**.0228**	**.0156**
Stddev	.0079	.0033	.0176	.0071	.0009	.0001	.0022	.0004	.0009
%RSD	.8394	20.75	94.78	1.986	76.61	56.39	153.4	1.629	6.078
#1	.9418	.0182	-.0061	.3642	.0005	-.0002	.0001	.0230	.0162
#2	.9307	.0135	-.0309	.3541	.0018	-.0001	-.0030	.0225	.0149

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0008**	**-.0031**	**.0004**	**.0538**	**.0001**	**.0003**
Stddev	.0001	.0006	.0006	.0002	.0175	.0002	.0011
%RSD	54.57	76.79	20.96	62.44	32.54	266.6	319.3
#1	.0002	.0004	-.0026	.0002	.0661	.0002	.0011
#2	.0004	.0012	-.0036	.0006	.0414	-.0001	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88909.**	**18688.**	**2324.6**	**4884.7**
Stddev	321.	192.	13.7	23.2
%RSD	.36136	1.0266	.59075	.47538
#1	89136.	18553.	2314.9	4868.2
#2	88682.	18824.	2334.3	4901.1

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/4/2014 13:44:36 Type: Unk
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	*****	**.0012**	**.0035**	**.0516**	**.0109**	**.0099**	**.0161**	**.0103**	**.0051**
Stddev	-----	.0018	.0003	.0007	.0002	.0005	.0001	.0002	.0003
%RSD	-----	148.3	7.428	1.268	1.718	5.398	.4468	1.945	6.477
#1	.0008	-.0001	.0037	.0520	.0110	.0103	.0161	.0104	.0049
#2	-----	.0025	.0033	.0511	.0108	.0095	.0160	.0101	.0054

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0513**	**.0228**	**.0097**	**.0110**	**.0035**	**.0151**	**.0077**	**.1103**	**3.076**
Stddev	.0006	.0002	.0013	.0009	.0019	.0030	.0009	.1652	4.353
%RSD	1.227	1.027	12.92	8.471	54.73	19.81	11.36	149.8	141.5
#1	.0518	.0230	.0089	.0117	.0021	.0130	.0083	-.0065	-.0020
#2	.0509	.0227	.0106	.0104	.0048	.0173	.0071	.2271	6.154

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0637**	**3.106**	**3.104**	*****	**.1077**	**.0208**	**.0533**	**.2132**	**.0101**
Stddev	.0864	4.386	4.468	-----	.0013	.0000	.0010	.0028	.0002
%RSD	135.8	141.2	143.9	-----	1.229	.0630	1.788	1.323	1.805
#1	.0025	.0039	-.0552	.2154	.1068	.0208	.0526	.2152	.0103
#2	.1248	6.207	6.263	-----	.1086	.0207	.0539	.2112	.0100

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0066**	**.0108**	**.0018**	**.0103**	**.0672**	**.0191**	**.0156**
Stddev	.0093	.0002	.0015	.0000	.0041	.0019	.0199
%RSD	140.3	1.801	83.89	.3549	6.085	9.887	127.3
#1	.0001	.0110	.0028	.0102	.0701	.0177	.0016
#2	.0132	.0107	.0007	.0103	.0643	.0204	.0297

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86334.**	**17501.**	**2268.9**	**4707.4**
Stddev	690.	3021.	1.6	10.0
%RSD	.79911	17.264	.07034	.21296
#1	85847.	19637.	2267.8	4700.3
#2	86822.	15365.	2270.0	4714.5

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/4/2014 13:50:48 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.2090**	**.0021**	**.0034**	**.0515**	**.0105**	**.0099**	**.0161**	**.0102**	**.0058**
Stddev	.0011	.0000	.0001	.0001	.0004	.0001	.0000	.0000	.0005
%RSD	.5444	.0357	3.518	.2778	4.260	.9960	.2283	.0697	9.501
#1	.2082	.0021	.0035	.0516	.0108	.0098	.0160	.0102	.0054
#2	.2098	.0021	.0033	.0514	.0101	.0100	.0161	.0103	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0508**	**.0237**	**.0089**	**.0105**	**.0028**	**.0167**	**.0066**	**.2017**	**5.066**
Stddev	.0000	.0001	.0005	.0002	.0002	.0029	.0001	.0139	.020
%RSD	.0222	.3411	5.125	1.526	8.303	17.66	1.271	6.873	.3906
#1	.0508	.0238	.0086	.0107	.0029	.0187	.0067	.1919	5.052
#2	.0508	.0237	.0092	.0104	.0026	.0146	.0066	.2115	5.080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1106**	**5.132**	**5.229**	**5.242**	**.1063**	**.0205**	**.0534**	**.2152**	**.0100**
Stddev	.0009	.046	.047	.010	.0001	.0004	.0013	.0024	.0008
%RSD	.7990	.8960	.8913	.1867	.1039	1.727	2.507	1.101	7.494
#1	.1112	5.100	5.196	5.249	.1064	.0207	.0525	.2136	.0105
#2	.1099	5.165	5.262	5.235	.1063	.0202	.0544	.2169	.0095

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0107**	**.0104**	**.0442**	**.0105**	**.0550**	**.0214**	**.0218**
Stddev	.0000	.0001	.0011	.0001	.0008	.0012	.0001
%RSD	.1308	.9422	2.421	1.190	1.374	5.405	.5458
#1	.0107	.0105	.0435	.0106	.0545	.0222	.0217
#2	.0107	.0103	.0450	.0104	.0555	.0206	.0219

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86783.**	**18229.**	**2259.0**	**4693.4**
Stddev	315.	20.	9.3	6.5
%RSD	.36262	.11202	.41221	.13929
#1	86560.	18243.	2265.6	4698.0
#2	87005.	18214.	2252.4	4688.8

Zoom In Zoom Out

Sample Name: jb67897-5 Acquired: 6/4/2014 13:53:57 Type: Unk
Method: Accutest 2(v53) 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	**1.362**	**.0049**	**-.0054**	**1.286**	**.9404**	**10.77**	**2.629**	**.3200**	**.0560**
Stddev	.007	.0001	.0009	.005	.0006	.01	.002	.0030	.0035
%RSD	.4843	1.517	17.04	.4057	.0623	.0481	.0578	.9501	6.198
#1	1.367	.0049	-.0061	1.283	.9400	10.77	2.630	.3178	.0584
#2	1.358	.0050	-.0048	1.290	.9408	10.77	2.628	.3221	.0535

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3919**	**22.39**	**14.69**	**.0154**	**7.493**	**.0241**	**3.238**	**107.0**	**42.53**
Stddev	.0002	.02	.05	.0022	.027	.0054	.016	.3	.07
%RSD	.0506	.1057	.3122	14.04	.3606	22.58	.4886	.2976	.1577
#1	.3921	22.38	14.66	.0138	7.474	.0280	3.226	107.2	42.58
#2	.3918	22.41	14.72	.0169	7.512	.0203	3.249	106.8	42.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**768.1**	**31.84**	**12.89**	**14.98**	**.5901**	**.2381**	**.0537**	**4.194**	**4.993**
Stddev	7.3	.19	.04	.04	.0024	.0009	.0029	.010	.011
%RSD	.9466	.5925	.2736	.2889	.4149	.3611	5.348	.2426	.2191
#1	773.2	31.97	12.92	15.01	.5884	.2375	.0558	4.187	4.985
#2	762.9	31.71	12.87	14.95	.5919	.2387	.0517	4.202	5.000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5278**	**5.076**	**.0569**	**.1906**	**28.36**	**.2584**	**.0890**
Stddev	.0026	.006	.0002	.0001	.09	.0016	.0003
%RSD	.4845	.1268	.3958	.0470	.3162	.6177	.3741
#1	.5296	5.071	.0570	.1907	28.30	.2572	.0892
#2	.5260	5.080	.0567	.1906	28.43	.2595	.0887

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84267.**	**18493.**	**2216.9**	**4622.1**
Stddev	53.	10.	1.9	1.6
%RSD	.06256	.05196	.08362	.03516
#1	84304.	18486.	2215.6	4623.2
#2	84229.	18500.	2218.2	4620.9

Zoom In Zoom Out

Sample Name: jb67897-8 Acquired: 6/4/2014 13:56:59 Type: Unk
Method: Accutest 2(v53) Mode: 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	**1.716**	**.0075**	**.0325**	**.0701**	**.2101**	**4.941**	**2.052**	**.2369**	**.0536**
Stddev	.019	.0002	.0001	.0003	.0008	.004	.001	.0007	.0026
%RSD	1.126	2.087	.1785	.3764	.3808	.0830	.0401	.3073	4.869
#1	1.730	.0076	.0325	.0703	.2107	4.938	2.052	.2364	.0554
#2	1.702	.0074	.0326	.0699	.2095	4.944	2.051	.2375	.0517

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3920**	**3.023**	**.3341**	**-.0001**	**2.378**	**.1040**	**3.031**	**56.53**	**48.42**
Stddev	.0012	.001	.0014	.0028	.000	.0028	.008	.54	.56
%RSD	.2940	.0303	.4222	1933.	.0134	2.699	.2688	.9539	1.156
#1	.3912	3.024	.3331	.0018	2.377	.1060	3.026	56.91	48.81
#2	.3928	3.023	.3351	-.0021	2.378	.1020	3.037	56.15	48.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**276.3**	**16.40**	**9.456**	**4.401**	**.1523**	**.0127**	**.0174**	**3.949**	**.3645**
Stddev	2.6	.14	.124	.031	.0008	.0001	.0012	.013	.0002
%RSD	.9241	.8377	1.313	.6996	.5302	.5426	6.677	.3354	.0555
#1	278.1	16.49	9.543	4.423	.1517	.0127	.0182	3.940	.3643
#2	274.5	16.30	9.368	4.379	.1528	.0126	.0166	3.958	.3646

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7612**	**2.274**	**.0205**	**.1247**	**3.856**	**.0976**	**.0912**
Stddev	.0073	.003	.0000	.0005	.007	.0010	.0008
%RSD	.9584	.1196	.1560	.4028	.1879	.9773	.9165
#1	.7663	2.276	.0205	.1251	3.851	.0969	.0918
#2	.7560	2.272	.0205	.1244	3.861	.0983	.0906

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86165.**	**18892.**	**2275.3**	**4573.7**
Stddev	383.	26.	2.1	2.1
%RSD	.44432	.13675	.09219	.04684
#1	85894.	18873.	2276.8	4575.2
#2	86435.	18910.	2273.8	4572.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 14:00:01 Type: QC
Method: Accutest 2(v53) Mode: 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	**2.045**	**2.046**	**2.011**	**2.048**	**2.073**	**2.008**	**2.078**	**2.052**	**.2498**
Stddev	.016	.010	.003	.003	.003	.006	.005	.005	.0020
%RSD	.7779	.5063	.1662	.1676	.1661	.2840	.2433	.2248	.8195
#1	2.056	2.053	2.009	2.046	2.070	2.004	2.075	2.049	.2483
#2	2.033	2.038	2.014	2.051	2.075	2.012	2.082	2.055	.2512
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**	**2.073**	**2.038**	**2.081**	**2.075**	**2.036**	**2.051**	**40.03**	**39.73**
Stddev	.005	.001	.001	.004	.003	.005	.009	.26	.26
%RSD	.2715	.0336	.0662	.1875	.1462	.2331	.4373	.6465	.6545
#1	2.032	2.072	2.039	2.079	2.073	2.032	2.044	40.22	39.91
#2	2.040	2.073	2.037	2.084	2.077	2.039	2.057	39.85	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	**39.54**	**39.94**	**40.39**	**40.62**	**2.067**	**2.045**	**2.013**	**5.072**	**2.084**
Stddev	.21	.29	.45	.38	.007	.002	.005	.019	.001
%RSD	.5267	.7174	1.105	.9282	.3297	.1026	.2624	.3773	.0619
#1	39.68	40.14	40.71	40.89	2.062	2.043	2.010	5.058	2.083
#2	39.39	39.73	40.08	40.35	2.072	2.046	2.017	5.085	2.085
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: 6/4/2014 14:00:01 Type: QC
Method: Accutest 2(v53) 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**	**2.038**	**2.006**	**2.060**	**2.005**	**2.059**	**2.056**
Stddev	.014	.005	.004	.007	.005	.008	.017
%RSD	.6961	.2388	.1847	.3605	.2396	.3679	.8039
#1	2.065	2.034	2.003	2.055	2.008	2.053	2.068
#2	2.045	2.041	2.009	2.065	2.002	2.064	2.044
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	**82864.**	**18135.**	**2192.1**	**4357.2**
Stddev	79.	110.	.3	2.4
%RSD	.09532	.60610	.01302	.05409
#1	82808.	18057.	2191.9	4358.9
#2	82920.	18212.	2192.3	4355.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 14:02:57 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0002**	**.0001**	**-.0002**	**-.0003**	**-.0007**	**.0001**	**-.0000**	**-.0005**
Stddev	.0001	.0001	.0001	.0005	.0000	.0003	.0000	.0001	.0002
%RSD	15.53	49.05	62.96	250.1	3.936	45.88	28.96	365.1	38.48
#1	.0006	.0001	.0001	-.0005	-.0003	-.0010	.0001	-.0001	-.0004
#2	.0005	.0003	.0002	.0002	-.0003	-.0005	.0002	.0001	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0003**	**.0010**	**-.0004**	**-.0004**	**.0016**	**.0008**	**-.0083**	**.0047**
Stddev	.0007	.0000	.0016	.0007	.0015	.0009	.0001	.0083	.0030
%RSD	205.0	2.855	158.8	160.9	339.7	56.65	7.818	100.9	63.93
#1	-.0008	.0003	-.0001	.0001	.0006	.0010	.0009	-.0024	.0026
#2	.0001	.0003	.0021	-.0009	-.0015	.0023	.0008	-.0142	.0068
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	**.0074**	**-.0244**	**-.0305**	**.0864**	**.0020**	**.0005**	**.0006**	**-.0005**	**-.0003**
Stddev	.0047	.0204	.0339	.0076	.0003	.0001	.0005	.0003	.0005
%RSD	63.76	83.71	111.1	8.769	15.15	12.54	85.26	65.62	189.8
#1	.0041	-.0099	-.0544	.0811	.0022	.0005	.0002	-.0003	.0001
#2	.0108	-.0388	-.0065	.0918	.0018	.0006	.0010	-.0007	-.0007
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: 6/4/2014 14:02:57 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0002**	F **.0141**	**.0005**	**.0038**	**.0005**	**.0002**
Stddev	.0000	.0002	.0001	.0001	.0012	.0000	.0003
%RSD	5.740	156.2	.7179	13.22	31.23	3.366	144.2
#1	.0002	.0000	.0142	.0005	.0030	.0005	-.0000
#2	.0002	-.0003	.0140	.0006	.0046	.0005	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87277.**	**18314.**	**2285.7**	**4806.3**
Stddev	57.	99.	4.6	10.3
%RSD	.06501	.53893	.20168	.21486
#1	87317.	18384.	2288.9	4813.6
#2	87237.	18244.	2282.4	4799.0

Zoom In Zoom Out

Sample Name: jb67897-6a Acquired: 6/4/2014 14:06:08 Type: Unk
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.230**	**.0070**	**.0118**	**1.530**	**1.031**	**16.18**	**4.372**	**.6195**	**.0879**
Stddev	.026	.0001	.0010	.010	.000	.04	.011	.0051	.0069
%RSD	.7959	.9614	8.396	.6595	.0218	.2385	.2406	.8198	7.831
#1	3.248	.0070	.0111	1.523	1.031	16.15	4.379	.6160	.0928
#2	3.212	.0070	.0125	1.537	1.031	16.21	4.364	.6231	.0831

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4250**	**52.63**	**1.058**	**-.0137**	**11.64**	**.0443**	**1.355**	**128.4**	**66.72**
Stddev	.0002	.28	.001	.0040	.07	.0051	.001	.8	.54
%RSD	.0423	.5241	.0957	29.12	.6105	11.49	.0370	.5894	.8143
#1	.4248	52.43	1.057	-.0165	11.59	.0479	1.355	128.9	67.10
#2	.4251	52.82	1.058	-.0109	11.69	.0407	1.355	127.8	66.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1054.**	**45.11**	**18.69**	**13.89**	**1.856**	**.3877**	**.0765**	**2.710**	**10.68**
Stddev	11.	.68	.10	.10	.013	.0029	.0054	.026	.08
%RSD	1.050	1.502	.5261	.7031	.6758	.7370	7.014	.9752	.7256
#1	1062.	45.58	18.76	13.96	1.847	.3857	.0803	2.691	10.63
#2	1046.	44.63	18.62	13.82	1.865	.3898	.0727	2.729	10.74

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7882**	**6.545**	**.1234**	**.2692**	**21.50**	**.3036**	**.1487**
Stddev	.0066	.002	.0015	.0001	.19	.0067	.0057
%RSD	.8412	.0233	1.237	.0196	.8943	2.205	3.807
#1	.7929	6.544	.1245	.2693	21.37	.2989	.1527
#2	.7835	6.546	.1223	.2692	21.64	.3084	.1447

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83713.**	**18341.**	**2215.8**	**4611.4**
Stddev	95.	173.	5.0	6.7
%RSD	.11297	.94350	.22662	.14636
#1	83780.	18219.	2219.4	4616.2
#2	83647.	18463.	2212.3	4606.6

Zoom In Zoom Out

Sample Name: mp79719-mb1 2 Acquired: 6/4/2014 14:09:05 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0072**	**.0001**	**.0001**	**.0005**	**.0141**	**.0052**	**.0071**	**.0069**	**-.0006**
Stddev	.0003	.0001	.0000	.0002	.0002	.0002	.0001	.0001	.0002
%RSD	4.652	143.3	44.03	44.51	1.247	3.285	1.146	.9463	42.53
#1	.0074	.0001	.0001	.0007	.0142	.0053	.0070	.0069	-.0007
#2	.0069	-.0000	.0001	.0004	.0140	.0050	.0071	.0068	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0136**	**-.0001**	**-.0030**	**.0041**	**.0032**	**.0021**	**.0708**	**.5435**
Stddev	.0002	.0000	.0012	.0023	.0007	.0005	.0015	.0004	.0042
%RSD	116.1	.3216	2451.	75.17	17.14	14.76	73.29	.6024	.7692
#1	-.0003	.0137	.0008	-.0047	.0036	.0028	.0031	.0705	.5464
#2	-.0000	.0136	-.0009	-.0014	.0046	.0035	.0010	.0711	.5405

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0482**	**.3312**	**-.1352**	**1151.**	**.0445**	**.0002**	**.0010**	**.8526**	**.0016**
Stddev	.0030	.0065	.0088	13.	.0003	.0001	.0024	.0007	.0009
%RSD	6.170	1.975	6.529	1.143	.5827	59.03	235.8	.0832	58.30
#1	.0503	.3266	-.1290	1160.	.0447	.0003	-.0007	.8532	.0009
#2	.0461	.3358	-.1415	1141.	.0443	.0001	.0027	.8521	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0100**	**-.0004**	**.0014**	**-.0002**	**.0385**	**-.0012**	**.0019**
Stddev	.0001	.0007	.0003	.0001	.0044	.0002	.0013
%RSD	1.386	186.5	22.88	52.02	11.54	15.21	71.74
#1	.0099	.0001	.0017	-.0001	.0416	-.0013	.0009
#2	.0101	-.0009	.0012	-.0003	.0354	-.0011	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76912.**	**18258.**	**2055.7**	**3839.9**
Stddev	69.	129.	.8	1.9
%RSD	.08928	.70476	.04113	.05011
#1	76863.	18167.	2056.3	3841.2
#2	76960.	18349.	2055.1	3838.5

Zoom In Zoom Out

Sample Name: mp79719-b1 Acquired: 6/4/2014 14:12:21 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.085**	**.0522**	**.0496**	**.5029**	**.2114**	**.2534**	**.5305**	**.5099**	**.0432**
Stddev	.008	.0003	.0002	.0015	.0004	.0003	.0009	.0006	.0008
%RSD	.3893	.6422	.4053	.3051	.1700	.1350	.1726	.1161	1.954
#1	2.079	.0520	.0495	.5039	.2111	.2531	.5299	.5103	.0426
#2	2.090	.0524	.0497	.5018	.2116	.2536	.5311	.5095	.0438

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4861**	**.5245**	**2.072**	**2.164**	**2.097**	**2.094**	**.5198**	**2.032**	**.1123**
Stddev	.0027	.0014	.001	.002	.005	.004	.0003	.016	.0016
%RSD	.5640	.2621	.0298	.0804	.2576	.2012	.0493	.7677	1.425
#1	.4842	.5254	2.073	2.162	2.101	2.091	.5196	2.021	.1134
#2	.4881	.5235	2.072	2.165	2.093	2.097	.5200	2.043	.1112

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.067**	**.0072**	**.0284**	**.5563**	**.0010**	**.0007**	**-.0003**	**.4259**	**.0010**
Stddev	.005	.0133	.0374	.0294	.0008	.0003	.0005	.0001	.0003
%RSD	.4822	184.4	131.6	5.291	80.56	41.02	182.1	.0315	27.51
#1	1.063	-.0022	.0549	.5772	.0015	.0010	.0001	.4260	.0008
#2	1.071	.0166	.0020	.5355	.0004	.0005	-.0006	.4258	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0138**	**.0013**	**.0068**	**-.0001**	**.0248**	**-.0010**	**.0025**
Stddev	.0002	.0002	.0003	.0001	.0006	.0012	.0002
%RSD	1.608	17.47	4.343	92.82	2.609	116.2	5.910
#1	.0137	.0012	.0066	-.0002	.0252	-.0002	.0027
#2	.0140	.0015	.0070	-.0000	.0243	-.0019	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89330.**	**19054.**	**2308.7**	**4876.3**
Stddev	54.	169.	.5	2.9
%RSD	.06026	.88437	.02268	.05954
#1	89291.	19173.	2308.3	4874.3
#2	89368.	18935.	2309.1	4878.4

Zoom In Zoom Out

Sample Name: mp79719-s1 Acquired: 6/4/2014 14:15:22 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.811**	**.0503**	**.0643**	**.5428**	**.2076**	**.2718**	**4.743**	**.5651**	**.0535**
Stddev	.001	.0001	.0002	.0031	.0001	.0011	.002	.0031	.0001
%RSD	.0170	.1391	.2984	.5681	.0663	.3877	.0455	.5415	.2317
#1	2.810	.0504	.0642	.5406	.2077	.2710	4.742	.5629	.0534
#2	2.811	.0503	.0644	.5450	.2075	.2725	4.745	.5672	.0536

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5063**	**.7628**	**2.343**	**2.032**	**2.103**	**2.315**	**.5740**	**2.720**	**1818.**
Stddev	.0004	.0007	.005	.007	.008	.011	.0039	.011	18.
%RSD	.0768	.0958	.2266	.3655	.3919	.4618	.6863	.4189	.9639
#1	.5060	.7623	2.339	2.027	2.097	2.307	.5713	2.712	1805.
#2	.5066	.7633	2.346	2.037	2.109	2.322	.5768	2.728	1830.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.252**	**33.00**	**5.703**	**13.78**	**.3222**	**.0055**	**.0766**	**24.23**	**-.0000**
Stddev	.005	.05	.009	.08	.0045	.0001	.0001	.11	.0013
%RSD	.2458	.1452	.1649	.5868	1.395	1.685	.1076	.4475	3850.
#1	2.256	33.03	5.709	13.73	.3190	.0055	.0766	24.16	.0009
#2	2.248	32.96	5.696	13.84	.3254	.0054	.0765	24.31	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**14.92**	**.0073**	**.0481**	**-.0023**	**25.55**	**.0554**	**.0868**
Stddev	.40	.0003	.0007	.0002	.09	.0009	.0002
%RSD	2.660	4.042	1.362	7.153	.3597	1.605	.2791
#1	14.63	.0075	.0476	-.0022	25.49	.0548	.0869
#2	15.20	.0071	.0485	-.0025	25.62	.0561	.0866

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75105.**	**17820.**	**1917.7**	**3673.5**
Stddev	129.	52.	6.4	14.6
%RSD	.17123	.29180	.33121	.39868
#1	75196.	17857.	1922.2	3683.8
#2	75014.	17783.	1913.2	3663.1

Zoom In Zoom Out

Sample Name: mp79719-s2 Acquired: 6/4/2014 14:18:30 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.842**	**.0507**	**.0638**	**.5408**	**.2090**	**.2723**	**4.784**	**.5621**	**.0538**
Stddev	.016	.0001	.0001	.0012	.0007	.0002	.014	.0010	.0001
%RSD	.5704	.2849	.1431	.2182	.3475	.0678	.2990	.1757	.2354
#1	2.854	.0508	.0639	.5399	.2084	.2722	4.774	.5628	.0539
#2	2.831	.0506	.0637	.5416	.2095	.2724	4.794	.5614	.0538

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5077**	**.7620**	**2.342**	**2.018**	**2.095**	**2.319**	**.5753**	**2.739**	**1857.**
Stddev	.0013	.0013	.007	.001	.001	.003	.0020	.007	22.
%RSD	.2549	.1655	.2980	.0264	.0493	.1124	.3397	.2525	1.209
#1	.5068	.7629	2.337	2.017	2.096	2.317	.5767	2.734	1841.
#2	.5086	.7612	2.347	2.018	2.095	2.321	.5740	2.744	1872.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.285**	**33.51**	**5.910**	**14.20**	**.3248**	**.0054**	**.0799**	**24.40**	**-.0006**
Stddev	.005	.05	.057	.08	.0021	.0004	.0005	.02	.0003
%RSD	.2406	.1405	.9661	.5878	.6345	6.691	.6866	.0689	60.56
#1	2.281	33.54	5.950	14.26	.3234	.0056	.0795	24.38	-.0003
#2	2.288	33.47	5.869	14.15	.3263	.0051	.0803	24.41	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**15.41**	**.0075**	**.0512**	**-.0012**	**25.73**	**.0591**	**.0900**
Stddev	.29	.0004	.0011	.0002	.01	.0014	.0012
%RSD	1.878	5.273	2.136	12.62	.0290	2.453	1.385
#1	15.62	.0078	.0520	-.0011	25.72	.0581	.0909
#2	15.21	.0072	.0504	-.0013	25.73	.0601	.0891

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75395.**	**17761.**	**1933.9**	**3702.4**
Stddev	17.	10.	.6	3.8
%RSD	.02209	.05399	.03012	.10260
#1	75407.	17755.	1933.5	3699.8
#2	75383.	17768.	1934.3	3705.1

Zoom In Zoom Out

Sample Name: jb67667-2a Acquired: 6/4/2014 14:21:38 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.6858**	**-.0003**	**.0092**	**.0243**	**.0020**	**.0138**	**4.159**	**.0452**	**.0062**
Stddev	.0015	.0001	.0001	.0008	.0002	.0002	.002	.0003	.0005
%RSD	.2115	23.73	1.274	3.115	9.133	1.784	.0541	.6793	8.338
#1	.6848	-.0003	.0091	.0237	.0018	.0136	4.157	.0454	.0065
#2	.6868	-.0004	.0092	.0248	.0021	.0140	4.160	.0450	.0058

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0112**	**.2557**	**.0021**	**.0066**	**-.0076**	**.0060**	**.0103**	**.5676**	**1795.**
Stddev	.0008	.0005	.0007	.0005	.0027	.0006	.0016	.0177	9.
%RSD	6.974	.1979	33.59	7.496	36.04	9.486	15.54	3.119	.5033
#1	.0117	.2560	.0016	.0063	-.0095	.0056	.0115	.5551	1801.
#2	.0106	.2553	.0027	.0070	-.0056	.0064	.0092	.5801	1788.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.213**	**32.51**	**5.692**	**13.64**	**.3154**	**.0047**	**.0762**	**23.62**	**.0002**
Stddev	.003	.14	.087	.05	.0007	.0003	.0001	.04	.0018
%RSD	.2142	.4265	1.533	.3933	.2063	6.262	.0768	.1660	790.3
#1	1.211	32.41	5.630	13.60	.3149	.0045	.0763	23.59	-.0011
#2	1.215	32.60	5.754	13.68	.3158	.0049	.0762	23.64	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**15.04**	**.0059**	**.0371**	**-.0027**	**25.08**	**.0568**	**.0861**
Stddev	.06	.0001	.0004	.0003	.07	.0008	.0008
%RSD	.3715	1.922	1.130	12.27	.2882	1.435	.9298
#1	15.00	.0058	.0374	-.0030	25.02	.0562	.0855
#2	15.08	.0060	.0368	-.0025	25.13	.0574	.0867

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75174.**	**17668.**	**1920.4**	**3675.6**
Stddev	134.	8.	3.2	4.9
%RSD	.17827	.04753	.16492	.13230
#1	75268.	17674.	1922.6	3679.0
#2	75079.	17662.	1918.1	3672.1

Zoom In Zoom Out

Sample Name: mp79719-sd1 Acquired: 6/4/2014 14:24:55 Type: Unk
Method: Accutest 2(v53) 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	**.6953**	**-.0004**	**.0088**	**.0260**	**.0053**	**.0143**	**4.305**	**.0451**	**.0048**
Stddev	.0042	.0005	.0025	.0021	.0006	.0025	.005	.0007	.0017
%RSD	.5984	123.6	28.24	8.084	10.95	17.77	.1260	1.495	35.52
#1	.6983	-.0001	.0071	.0275	.0049	.0161	4.301	.0456	.0060
#2	.6924	-.0008	.0106	.0245	.0057	.0125	4.309	.0446	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0090**	**.2718**	**.0072**	**-.0035**	**-.0092**	**.0104**	**.0023**	**.6816**	**1988.**
Stddev	.0003	.0004	.0143	.0119	.0013	.0169	.0081	.0048	15.
%RSD	3.305	.1513	198.1	336.9	13.73	163.1	357.8	.6998	.7396
#1	.0092	.2715	-.0029	.0049	-.0083	-.0016	.0079	.6783	1998.
#2	.0088	.2721	.0173	-.0120	-.0101	.0223	-.0034	.6850	1978.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.276**	**34.52**	**5.518**	**14.50**	**.3169**	**.0020**	**.0586**	**22.95**	**-.0048**
Stddev	.009	.09	.061	.00	.0002	.0015	.0068	.09	.0007
%RSD	.6998	.2540	1.098	.0230	.0656	74.09	11.59	.3964	13.92
#1	1.282	34.58	5.561	14.50	.3168	.0009	.0634	22.89	-.0043
#2	1.269	34.46	5.475	14.50	.3171	.0030	.0538	23.02	-.0053

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**15.36**	**.0031**	**.0227**	**-.0032**	**24.13**	**.0543**	**.0903**
Stddev	.08	.0018	.0035	.0001	.17	.0051	.0037
%RSD	.5070	57.78	15.37	2.950	.6847	9.440	4.131
#1	15.42	.0018	.0203	-.0033	24.02	.0506	.0930
#2	15.31	.0044	.0252	-.0031	24.25	.0579	.0877

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81428.**	**17847.**	**2109.2**	**4190.9**
Stddev	41.	110.	2.4	.8
%RSD	.05006	.61839	.11578	.01842
#1	81400.	17769.	2110.9	4191.4
#2	81457.	17925.	2107.5	4190.3

Zoom In Zoom Out

Sample Name: mp79830-mb1 2 Acquired: 6/4/2014 14:28:07 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**-.0004**	**-.0003**	**-.0009**	**.0001**	**-.0003**	**.0001**
Stddev	.0005	.0000	.0001	.0001	.0001	.0000	.0000	.0007	.0003
%RSD	105.4	148.9	76.70	23.09	53.36	3.003	8.345	240.1	258.6
#1	.0008	-.0001	.0001	-.0003	-.0002	-.0009	.0001	.0002	-.0001
#2	.0001	.0000	.0003	-.0004	-.0004	-.0009	.0001	-.0007	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0027**	**.0000**	**-.0009**	**-.0014**	**.0005**	**-.0005**	**-.0119**	**.0640**
Stddev	.0002	.0003	.0015	.0007	.0018	.0015	.0002	.0108	.0042
%RSD	59.51	10.56	9018.	80.09	122.3	292.2	32.88	90.42	6.618
#1	-.0005	.0029	.0011	-.0014	-.0002	.0015	-.0004	-.0196	.0670
#2	-.0002	.0025	-.0010	-.0004	-.0027	-.0005	-.0006	-.0043	.0610

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0016**	**-.0185**	**-.0295**	**.2013**	**.0005**	**-.0001**	**-.0001**	**.0065**	**.0001**
Stddev	.0004	.0194	.0236	.0007	.0008	.0000	.0017	.0018	.0003
%RSD	24.57	105.0	79.86	.3682	155.4	46.30	1269.	28.32	493.3
#1	.0019	-.0048	-.0462	.2018	.0010	-.0001	-.0013	.0078	-.0002
#2	.0014	-.0322	-.0129	.2007	-.0000	-.0000	.0011	.0052	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0000**	**-.0039**	**.0002**	**.0086**	**-.0020**	**.0021**
Stddev	.0000	.0007	.0007	.0001	.0006	.0010	.0005
%RSD	7.990	2634.	18.04	66.49	7.573	49.71	21.55
#1	.0004	.0005	-.0044	.0001	.0090	-.0027	.0024
#2	.0004	-.0005	-.0034	.0003	.0081	-.0013	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88286.**	**18365.**	**2290.8**	**4823.5**
Stddev	483.	23.	4.8	7.9
%RSD	.54726	.12556	.20994	.16338
#1	88628.	18349.	2294.2	4829.1
#2	87944.	18381.	2287.4	4818.0

Zoom In Zoom Out

Sample Name: mp79830-mb2 Acquired: 6/4/2014 14:31:19 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**.0002**	**-.0004**	**-.0001**	**-.0004**	**.0001**	**-.0001**	**.0007**
Stddev	.0000	.0000	.0002	.0001	.0001	.0002	.0000	.0002	.0001
%RSD	182.0	34.94	126.9	22.61	51.37	54.96	9.716	156.2	13.22
#1	-.0000	.0000	.0003	-.0005	-.0002	-.0006	.0001	.0000	.0006
#2	.0000	.0000	.0000	-.0004	-.0001	-.0002	.0000	-.0002	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0012**	**-.0009**	**.0008**	**-.0001**	**.0005**	**.0013**	**-.0089**	**.0135**
Stddev	.0000	.0001	.0020	.0002	.0003	.0026	.0009	.0002	.0001
%RSD	6.552	4.879	223.0	27.51	419.4	476.4	66.92	2.232	.5315
#1	-.0004	.0012	-.0023	.0006	-.0003	.0024	.0020	-.0090	.0135
#2	-.0004	.0013	.0005	.0009	.0002	-.0013	.0007	-.0088	.0136

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0042**	**-.0299**	**.0240**	**.1931**	**.0001**	**-.0002**	**-.0009**	**.0072**	**-.0004**
Stddev	.0024	.0157	.0392	.0025	.0015	.0003	.0018	.0013	.0006
%RSD	56.82	52.31	162.9	1.272	2316.	109.9	197.5	18.61	175.2
#1	.0025	-.0189	-.0037	.1949	.0011	-.0001	.0004	.0082	.0001
#2	.0059	-.0410	.0517	.1914	-.0010	-.0004	-.0022	.0063	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0042**	**-.0001**	**.0046**	**-.0003**	**.0016**
Stddev	.0001	.0007	.0006	.0001	.0017	.0017	.0011
%RSD	88.70	361.9	13.24	78.01	37.48	488.9	67.51
#1	.0001	.0007	-.0046	-.0002	.0058	.0008	.0024
#2	.0000	-.0003	-.0038	-.0001	.0034	-.0015	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87932.**	**18375.**	**2284.6**	**4810.0**
Stddev	127.	225.	2.4	1.9
%RSD	.14390	1.2236	.10468	.04003
#1	88022.	18216.	2286.3	4808.6
#2	87843.	18534.	2282.9	4811.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 14:34:30 Type: QC
Method: Accutest 2(v53) Mode: 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	**2.040**	**2.043**	**2.009**	**2.053**	**2.080**	**2.016**	**2.083**	**2.054**	**.2509**
Stddev	.011	.010	.006	.002	.003	.008	.002	.002	.0000
%RSD	.5353	.4684	.2963	.1043	.1353	.4121	.0978	.0967	.0134
#1	2.048	2.050	2.004	2.052	2.082	2.010	2.082	2.053	.2509
#2	2.032	2.036	2.013	2.055	2.078	2.022	2.085	2.055	.2509
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	**2.042**	**2.077**	**2.049**	**2.076**	**2.082**	**2.042**	**2.060**	**39.83**	**39.49**
Stddev	.001	.002	.008	.004	.001	.010	.002	.11	.19
%RSD	.0536	.1092	.4022	.2163	.0465	.4711	.1058	.2868	.4812
#1	2.042	2.075	2.044	2.073	2.082	2.035	2.059	39.91	39.63
#2	2.041	2.078	2.055	2.079	2.083	2.049	2.062	39.75	39.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.25**	**39.81**	**40.37**	**40.81**	**2.076**	**2.049**	**2.022**	**5.089**	**2.090**
Stddev	.10	.13	.19	.21	.008	.006	.001	.022	.003
%RSD	.2666	.3167	.4585	.5159	.4010	.3111	.0706	.4266	.1467
#1	39.32	39.90	40.50	40.96	2.070	2.044	2.023	5.074	2.088
#2	39.17	39.72	40.24	40.66	2.082	2.053	2.021	5.104	2.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 14:34:30 Type: QC
Method: Accutest 2(v53) 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**	**2.044**	**2.010**	**2.071**	**2.012**	**2.069**	**2.065**
Stddev	.012	.000	.005	.000	.005	.011	.006
%RSD	.5604	.0052	.2731	.0012	.2666	.5203	.2934
#1	2.061	2.044	2.006	2.071	2.008	2.061	2.069
#2	2.045	2.044	2.014	2.071	2.015	2.077	2.061
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	**82440.**	**18077.**	**2180.3**	**4333.7**
Stddev	242.	15.	8.0	10.9
%RSD	.29363	.08412	.36734	.25258
#1	82268.	18087.	2185.9	4341.4
#2	82611.	18066.	2174.6	4326.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 14:37:26 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0001**	**.0001**	**.0000**	**.0000**	**-.0012**	**.0001**	**-.0002**	**-.0000**
Stddev	.0002	.0000	.0000	.0003	.0001	.0001	.0001	.0003	.0002
%RSD	36.25	33.92	56.73	6299.	559.9	8.393	66.34	141.3	859.2
#1	.0008	.0001	.0000	.0002	-.0001	-.0011	.0001	-.0004	-.0002
#2	.0004	.0001	.0001	-.0002	.0001	-.0012	.0002	-.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**	**.0003**	**.0004**	**-.0005**	**-.0005**	**.0020**	**-.0000**	**-.0059**	**.0056**
Stddev	.0001	.0001	.0007	.0002	.0004	.0038	.0014	.0075	.0040
%RSD	77.95	40.69	156.6	52.82	83.45	187.8	13700.	127.8	71.09
#1	-.0001	.0002	.0009	-.0003	-.0002	-.0007	.0010	-.0006	.0028
#2	-.0002	.0003	-.0000	-.0006	-.0008	.0047	-.0010	-.0112	.0084
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	**.0030**	**-.0092**	**-.0236**	**.1229**	**.0018**	**.0004**	**-.0015**	**.0007**	**-.0001**
Stddev	.0001	.0021	.0366	.0026	.0013	.0001	.0001	.0007	.0000
%RSD	2.245	23.17	155.1	2.155	73.91	29.70	4.040	100.5	32.71
#1	.0030	-.0077	.0023	.1248	.0028	.0005	-.0015	.0012	-.0001
#2	.0029	-.0107	-.0495	.1210	.0009	.0003	-.0016	.0002	-.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: 6/4/2014 14:37:26 Type: QC
Method: Accutest 2(v53) 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**	**.0005**	F **.0135**	**.0005**	**-.0015**	**-.0001**	**.0022**
Stddev	.0001	.0001	.0002	.0001	.0031	.0006	.0007
%RSD	43.62	13.59	1.322	28.94	208.2	397.5	30.74
#1	.0004	.0004	.0134	.0004	.0007	-.0005	.0017
#2	.0002	.0005	.0136	.0005	-.0037	.0003	.0027
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86875.**	**18073.**	**2266.3**	**4772.0**
Stddev	332.	27.	1.3	4.0
%RSD	.38263	.15171	.05854	.08467
#1	87110.	18092.	2265.4	4769.1
#2	86640.	18053.	2267.3	4774.8

Zoom In Zoom Out

Sample Name: mp79830-lc1 Acquired: 6/4/2014 14:40:37 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.5114**	**.5014**	**.4922**	**.4931**	**.5139**	**.4866**	**.5128**	**.5013**	**.1943**
Stddev	.0055	.0062	.0010	.0014	.0002	.0000	.0009	.0019	.0008
%RSD	1.083	1.227	.2078	.2865	.0406	.0026	.1846	.3798	.4310
#1	.5075	.4970	.4929	.4941	.5141	.4866	.5135	.5027	.1949
#2	.5153	.5057	.4915	.4921	.5138	.4866	.5121	.5000	.1937

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4801**	**.5127**	**.4996**	**.5335**	**.5165**	**.4838**	**.5033**	**4.993**	**5.481**
Stddev	.0001	.0015	.0006	.0010	.0048	.0000	.0028	.068	.068
%RSD	.0249	.2964	.1250	.1789	.9246	.0034	.5522	1.363	1.236
#1	.4801	.5138	.5001	.5342	.5199	.4838	.5053	4.944	5.433
#2	.4800	.5116	.4992	.5328	.5131	.4838	.5013	5.041	5.528

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.497**	**5.415**	**10.04**	**10.32**	**.0072**	**.4965**	**.0003**	**.0289**	**-.0008**
Stddev	.074	.045	.04	.11	.0006	.0015	.0007	.0002	.0001
%RSD	1.347	.8323	.3762	1.044	7.619	.2933	266.1	.8512	7.807
#1	5.445	5.383	10.01	10.24	.0076	.4975	-.0002	.0287	-.0007
#2	5.549	5.447	10.07	10.40	.0068	.4954	.0007	.0291	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5106**	**.0107**	**.0010**	**.0076**	**.0109**	**.0010**
Stddev	.0000	.0010	.0007	.0001	.0022	.0001	.0006
%RSD	33.58	.2021	6.953	8.167	28.82	1.146	61.00
#1	-.0002	.5113	.0112	.0009	.0092	.0108	.0015
#2	-.0001	.5098	.0102	.0011	.0061	.0110	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86203.**	**18552.**	**2249.9**	**4639.0**
Stddev	359.	76.	.9	1.8
%RSD	.41655	.41218	.03876	.03800
#1	85949.	18606.	2249.3	4637.8
#2	86457.	18498.	2250.5	4640.3

Zoom In Zoom Out

Sample Name: mp79830-lc2 Acquired: 6/4/2014 14:43:39 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.5054**	**.4987**	**.4872**	**.4897**	**.5100**	**.4827**	**.5089**	**.4979**	**.1928**
Stddev	.0015	.0034	.0005	.0002	.0031	.0007	.0002	.0000	.0003
%RSD	.3007	.6724	.1105	.0506	.6050	.1497	.0357	.0077	.1342
#1	.5043	.4963	.4868	.4899	.5078	.4833	.5087	.4979	.1929
#2	.5064	.5011	.4876	.4896	.5122	.4822	.5090	.4979	.1926

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4761**	**.5096**	**.4937**	**.5302**	**.5122**	**.4796**	**.4998**	**4.951**	**5.465**
Stddev	.0006	.0004	.0005	.0012	.0008	.0011	.0021	.035	.018
%RSD	.1243	.0778	.0924	.2192	.1525	.2285	.4256	.6974	.3321
#1	.4756	.5099	.4934	.5310	.5127	.4804	.4983	4.926	5.452
#2	.4765	.5093	.4940	.5293	.5116	.4788	.5013	4.975	5.477

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.469**	**5.399**	**9.960**	**10.24**	**.0067**	**.4928**	**.0012**	**.0339**	**.0002**
Stddev	.031	.004	.000	.01	.0005	.0000	.0005	.0011	.0007
%RSD	.5602	.0689	.0023	.1317	7.058	.0067	38.80	3.126	370.6
#1	5.447	5.396	9.960	10.23	.0064	.4927	.0009	.0332	.0007
#2	5.490	5.402	9.960	10.25	.0071	.4928	.0016	.0347	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.5048**	**.0054**	**.0008**	**.0084**	**.0112**	**.0012**
Stddev	.0001	.0001	.0007	.0001	.0030	.0004	.0004
%RSD	566.8	.0220	13.61	14.86	35.36	3.703	36.70
#1	-.0001	.5047	.0048	.0009	.0105	.0115	.0015
#2	.0001	.5049	.0059	.0007	.0063	.0109	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86661.**	**18588.**	**2258.6**	**4652.7**
Stddev	101.	69.	2.5	7.2
%RSD	.11673	.37309	.11022	.15407
#1	86732.	18637.	2256.8	4647.7
#2	86589.	18539.	2260.3	4657.8

Zoom In Zoom Out

Sample Name: mp79830-s1 Acquired: 6/4/2014 14:46:41 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.290**	**.0530**	**.0492**	**.5163**	**.2135**	**.2624**	**.8243**	**.5183**	**.0527**
Stddev	.006	.0003	.0002	.0005	.0010	.0006	.0057	.0005	.0004
%RSD	.2452	.4989	.3635	.1030	.4678	.2181	.6900	.0953	.6662
#1	2.294	.0532	.0491	.5167	.2127	.2620	.8203	.5187	.0525
#2	2.287	.0528	.0493	.5159	.2142	.2628	.8283	.5180	.0530

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4957**	**.5516**	**2.079**	**2.117**	**.5206**	**1.984**	**.5164**	**2.387**	**62.10**
Stddev	.0038	.0008	.002	.001	.0005	.002	.0011	.009	.22
%RSD	.7749	.1425	.0711	.0302	.1014	.1160	.2134	.3887	.3518
#1	.4930	.5522	2.078	2.116	.5202	1.982	.5156	2.380	62.25
#2	.4984	.5511	2.080	2.117	.5209	1.986	.5172	2.394	61.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.637**	**44.34**	**27.19**	**40.52**	**.0299**	**.0562**	**.0006**	**13.36**	**-.0021**
Stddev	.002	.09	.20	.15	.0008	.0002	.0003	.02	.0012
%RSD	.0854	.2080	.7183	.3763	2.638	.4036	49.03	.1683	55.98
#1	2.638	44.41	27.33	40.63	.0294	.0560	.0009	13.34	-.0013
#2	2.635	44.27	27.05	40.41	.0305	.0564	.0004	13.38	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3444**	**.0114**	**.0191**	**-.0019**	**6.171**	**-.0026**	**.0269**
Stddev	.0009	.0005	.0002	.0000	.015	.0003	.0011
%RSD	.2526	4.298	1.231	.3991	.2353	10.80	4.211
#1	.3450	.0111	.0190	-.0019	6.160	-.0028	.0261
#2	.3437	.0118	.0193	-.0019	6.181	-.0024	.0277

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84138.**	**18259.**	**2205.0**	**4403.9**
Stddev	372.	22.	2.2	4.4
%RSD	.44155	.11902	.10189	.09917
#1	84401.	18243.	2206.6	4407.0
#2	83875.	18274.	2203.4	4400.8

Zoom In Zoom Out

Sample Name: mp79830-s2 Acquired: 6/4/2014 14:49:40 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.262**	**.0523**	**.0491**	**.5126**	**.2110**	**.2597**	**.8176**	**.5162**	**.0519**
Stddev	.000	.0005	.0002	.0004	.0001	.0027	.0022	.0004	.0000
%RSD	.0151	.9598	.4479	.0829	.0320	1.054	.2683	.0847	.0700
#1	2.262	.0526	.0489	.5129	.2111	.2578	.8160	.5165	.0519
#2	2.262	.0519	.0492	.5123	.2110	.2616	.8191	.5159	.0519

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4920**	**.5487**	**2.073**	**2.106**	**.5173**	**1.979**	**.5129**	**2.361**	**60.43**
Stddev	.0020	.0003	.003	.002	.0009	.005	.0005	.007	.14
%RSD	.4149	.0456	.1229	.0780	.1811	.2690	.0976	.2800	.2325
#1	.4906	.5485	2.071	2.104	.5180	1.975	.5133	2.366	60.53
#2	.4935	.5489	2.075	2.107	.5166	1.982	.5126	2.357	60.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.575**	**43.31**	**26.57**	**39.59**	**.0294**	**.0550**	**-.0002**	**13.12**	**-.0017**
Stddev	.001	.14	.17	.12	.0001	.0002	.0003	.04	.0004
%RSD	.0320	.3135	.6271	.2990	.3987	.3755	153.5	.2896	23.53
#1	2.576	43.40	26.69	39.67	.0295	.0552	.0000	13.10	-.0020
#2	2.575	43.21	26.45	39.50	.0293	.0549	-.0004	13.15	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3364**	**.0109**	**.0184**	**-.0011**	**6.074**	**-.0017**	**.0266**
Stddev	.0003	.0005	.0007	.0002	.017	.0009	.0001
%RSD	.0875	4.363	3.570	15.79	.2737	52.04	.3704
#1	.3362	.0106	.0180	-.0010	6.063	-.0023	.0267
#2	.3366	.0113	.0189	-.0012	6.086	-.0011	.0265

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84252.**	**18483.**	**2201.5**	**4402.3**
Stddev	145.	58.	3.2	.7
%RSD	.17199	.31571	.14738	.01628
#1	84354.	18442.	2203.8	4402.8
#2	84150.	18524.	2199.2	4401.8

Zoom In Zoom Out

Sample Name: jb68110-2 Acquired: 6/4/2014 14:52:38 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.2104**	**-.0000**	**.0003**	**.0000**	**.0014**	**.0105**	**.2791**	**.0012**	**.0007**
Stddev	.0006	.0000	.0000	.0003	.0002	.0006	.0014	.0001	.0001
%RSD	.2641	22.33	10.25	3043.	10.88	6.052	.5025	10.34	8.484
#1	.2108	-.0000	.0003	-.0002	.0013	.0101	.2781	.0011	.0006
#2	.2100	-.0001	.0003	.0002	.0015	.0110	.2801	.0013	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0308**	**.0206**	**.0017**	**.0008**	**.0012**	**-.0005**	**.2794**	**34.82**
Stddev	.0002	.0001	.0008	.0009	.0007	.0003	.0007	.0112	.09
%RSD	22.73	.2520	3.842	49.63	91.83	23.95	154.1	3.993	.2658
#1	.0008	.0308	.0201	.0024	.0003	.0014	.0000	.2873	34.88
#2	.0011	.0309	.0212	.0011	.0013	.0010	-.0010	.2715	34.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.468**	**17.26**	**1.544**	**13.51**	**.0264**	**.0499**	**-.0009**	**12.03**	**-.0017**
Stddev	.001	.09	.033	.07	.0004	.0004	.0002	.01	.0003
%RSD	.0709	.5188	2.140	.4836	1.553	.8699	26.23	.0661	15.95
#1	1.469	17.33	1.567	13.56	.0267	.0502	-.0008	12.04	-.0015
#2	1.468	17.20	1.520	13.47	.0261	.0496	-.0011	12.03	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3176**	**.0093**	**.0085**	**-.0017**	**5.569**	**-.0020**	**.0250**
Stddev	.0016	.0002	.0003	.0002	.004	.0018	.0009
%RSD	.5055	2.524	3.524	11.10	.0648	92.27	3.496
#1	.3187	.0091	.0082	-.0016	5.567	-.0033	.0256
#2	.3165	.0094	.0087	-.0019	5.572	-.0007	.0244

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85670.**	**18416.**	**2244.3**	**4598.3**
Stddev	139.	43.	1.3	2.6
%RSD	.16222	.23588	.05727	.05608
#1	85572.	18386.	2243.4	4596.5
#2	85769.	18447.	2245.2	4600.1

Zoom In Zoom Out

Sample Name: mp79830-sd1 Acquired: 6/4/2014 14:55:45 Type: Unk
Method: Accutest 2(v53) 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	**.2195**	**-.0003**	**.0007**	**-.0011**	**.0013**	**.0074**	**.2963**	**-.0009**	**.0005**
Stddev	.0010	.0002	.0011	.0014	.0004	.0017	.0007	.0011	.0028
%RSD	.4629	76.46	163.1	131.9	30.28	22.39	.2498	122.7	550.9
#1	.2188	-.0005	-.0001	-.0001	.0016	.0063	.2958	-.0001	-.0015
#2	.2202	-.0001	.0015	-.0021	.0010	.0086	.2968	-.0016	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0460**	**.0217**	**-.0044**	**.0060**	**.0031**	**.0060**	**.2273**	**36.72**
Stddev	.0015	.0005	.0000	.0092	.0012	.0143	.0021	.0403	.16
%RSD	127.2	1.003	.1509	207.1	20.23	464.5	34.42	17.71	.4484
#1	.0001	.0463	.0217	.0021	.0052	-.0071	.0045	.2558	36.60
#2	.0022	.0457	.0217	-.0110	.0069	.0132	.0074	.1989	36.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.543**	**18.15**	**1.323**	**14.56**	**.0236**	**.0506**	**-.0041**	**12.60**	**-.0006**
Stddev	.012	.01	.324	.05	.0071	.0008	.0086	.05	.0012
%RSD	.7783	.0774	24.51	.3242	29.95	1.660	209.2	.3909	186.4
#1	1.535	18.16	1.094	14.53	.0186	.0500	-.0102	12.56	-.0015
#2	1.552	18.14	1.553	14.60	.0286	.0512	.0020	12.63	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3301**	**.0068**	**-.0058**	**-.0024**	**5.794**	**-.0010**	**.0164**
Stddev	.0000	.0001	.0011	.0009	.038	.0027	.0005
%RSD	.0151	.9169	19.20	35.91	.6613	271.4	3.224
#1	.3301	.0068	-.0050	-.0030	5.767	-.0029	.0160
#2	.3302	.0068	-.0066	-.0018	5.821	.0009	.0167

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86291.**	**18274.**	**2269.4**	**4746.7**
Stddev	79.	5.	6.3	11.1
%RSD	.09170	.02659	.27724	.23455
#1	86347.	18277.	2273.9	4754.5
#2	86235.	18270.	2265.0	4738.8

Zoom In Zoom Out

Sample Name: jb68032-12 Acquired: 6/4/2014 14:58:53 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0329**	**-.0000**	**-.0000**	**.0284**	**.0007**	**.0027**	**.9354**	**.0036**	**.0021**
Stddev	.0001	.0001	.0002	.0002	.0001	.0001	.0015	.0001	.0005
%RSD	.4067	256.7	1100.	.5301	12.88	5.301	.1617	2.272	26.18
#1	.0329	.0000	-.0002	.0283	.0006	.0026	.9344	.0036	.0024
#2	.0330	-.0001	.0001	.0286	.0008	.0028	.9365	.0035	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0013**	**.0152**	**.0006**	**.0034**	**.0035**	**-.0005**	**.1300**	**13.10**
Stddev	.0002	.0001	.0008	.0011	.0028	.0008	.0021	.0099	.05
%RSD	16.84	9.901	5.073	182.5	81.63	22.87	422.9	7.614	.3848
#1	.0008	.0012	.0146	-.0002	.0014	.0029	.0010	.1230	13.14
#2	.0010	.0014	.0157	.0014	.0053	.0041	-.0020	.1370	13.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**29.42**	**10.28**	**2.351**	**677.9**	**.0578**	**.0029**	**.0007**	**14.47**	**-.0035**
Stddev	.16	.04	.016	12.7	.0003	.0002	.0028	.02	.0003
%RSD	.5425	.3537	.6699	1.872	.5689	8.037	385.1	.1676	9.190
#1	29.53	10.31	2.362	686.9	.0580	.0027	.0027	14.46	-.0033
#2	29.31	10.25	2.340	669.0	.0576	.0031	-.0013	14.49	-.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0811**	**.0003**	**.0107**	**-.0029**	**3.935**	**.0014**	**.0035**
Stddev	.0004	.0001	.0000	.0001	.010	.0005	.0003
%RSD	.4569	29.83	.4410	2.514	.2610	38.67	9.214
#1	.0813	.0002	.0108	-.0029	3.928	.0017	.0032
#2	.0808	.0004	.0107	-.0028	3.943	.0010	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78844.**	**18129.**	**2109.3**	**3998.6**
Stddev	227.	86.	.4	.0
%RSD	.28762	.47534	.02113	.00105
#1	78684.	18068.	2109.6	3998.6
#2	79005.	18190.	2108.9	3998.5

Zoom In Zoom Out

Sample Name: jb68032-13 Acquired: 6/4/2014 15:02:06 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**-.0003**	**-.0000**	**-.0005**	**.0001**	**-.0001**	**-.0003**
Stddev	.0003	.0000	.0001	.0001	.0001	.0002	.0000	.0001	.0002
%RSD	155.9	494.3	127.1	45.17	323.5	46.82	40.46	52.79	51.47
#1	.0004	.0000	-.0002	-.0004	-.0001	-.0007	.0001	-.0001	-.0002
#2	-.0000	-.0000	-.0000	-.0002	.0000	-.0004	.0000	-.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0017**	**.0007**	**-.0004**	**-.0000**	**.0009**	**-.0007**	**-.0077**	**.0082**
Stddev	.0001	.0001	.0011	.0007	.0008	.0029	.0006	.0031	.0050
%RSD	29.40	7.381	143.4	179.6	2436.	309.3	84.79	40.85	61.49
#1	-.0003	.0017	.0015	.0001	-.0006	.0030	-.0011	-.0055	.0046
#2	-.0005	.0016	-.0000	-.0009	.0006	-.0011	-.0003	-.0099	.0118

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0063**	**-.0076**	**-.0492**	**.3288**	**.0004**	**-.0003**	**-.0018**	**.0125**	**.0003**
Stddev	.0016	.0014	.0015	.0204	.0002	.0001	.0022	.0008	.0006
%RSD	25.51	18.56	2.985	6.196	56.46	50.00	121.6	6.539	223.9
#1	.0074	-.0066	-.0502	.3432	.0005	-.0002	-.0003	.0120	-.0002
#2	.0051	-.0086	-.0482	.3144	.0002	-.0003	-.0034	.0131	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0003**	**-.0037**	**-.0002**	**.0027**	**-.0010**	**.0016**
Stddev	.0001	.0001	.0007	.0001	.0014	.0005	.0003
%RSD	72.06	22.82	17.84	43.36	49.64	46.94	17.47
#1	.0001	-.0003	-.0041	-.0003	.0018	-.0007	.0014
#2	.0000	-.0004	-.0032	-.0002	.0037	-.0014	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88204.**	**18475.**	**2291.2**	**4820.4**
Stddev	217.	16.	.5	10.9
%RSD	.24615	.08723	.02309	.22597
#1	88357.	18464.	2290.8	4812.7
#2	88050.	18487.	2291.6	4828.1

Zoom In Zoom Out

Sample Name: jb68032-14 Acquired: 6/4/2014 15:05:17 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**-.0000**	**-.0004**	**.0000**	**-.0004**	**.0001**	**-.0004**	**-.0001**
Stddev	.0006	.0001	.0002	.0001	.0005	.0002	.0000	.0001	.0005
%RSD	104.5	44.95	434.3	27.51	946.7	59.05	17.13	31.93	341.4
#1	.0002	-.0002	-.0002	-.0005	-.0003	-.0002	.0001	-.0005	.0002
#2	.0010	-.0001	.0001	-.0003	.0004	-.0006	.0001	-.0003	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0026**	**-.0002**	**-.0002**	**.0007**	**.0006**	**.0015**	**-.0107**	**.0193**
Stddev	.0000	.0000	.0019	.0007	.0010	.0020	.0001	.0055	.0066
%RSD	4.778	.3868	790.0	405.6	135.9	354.6	7.097	51.38	33.91
#1	-.0007	.0026	.0011	.0003	.0014	-.0009	.0014	-.0068	.0147
#2	-.0007	.0026	-.0016	-.0007	.0000	.0020	.0015	-.0146	.0240

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0073**	**-.0104**	**-.0374**	**.2035**	**.0004**	**-.0002**	**-.0001**	**.0128**	**.0000**
Stddev	.0021	.0242	.0036	.0065	.0003	.0003	.0010	.0005	.0004
%RSD	29.45	233.5	9.706	3.193	80.59	167.5	1436.	3.992	9178.
#1	.0058	.0067	-.0400	.2081	.0002	.0000	.0006	.0125	-.0002
#2	.0088	-.0275	-.0349	.1989	.0007	-.0003	-.0008	.0132	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**-.0033**	**-.0001**	**.0029**	**.0001**	**.0028**
Stddev	.0001	.0006	.0001	.0002	.0003	.0007	.0000
%RSD	106.7	515.5	4.325	135.1	11.63	1266.	1.773
#1	.0000	-.0003	-.0032	-.0002	.0032	.0005	.0027
#2	.0002	.0005	-.0034	-.0000	.0027	-.0004	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87598.**	**18276.**	**2290.1**	**4820.1**
Stddev	344.	35.	11.7	17.9
%RSD	.39302	.19346	.51006	.37223
#1	87841.	18251.	2281.8	4807.4
#2	87354.	18301.	2298.4	4832.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 15:08:28 Type: QC
Method: Accutest 2(v53) Mode: 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**	**2.024**	**1.994**	**2.047**	**2.066**	**2.001**	**2.069**	**2.037**	**.2476**
Stddev	.001	.003	.009	.007	.004	.006	.002	.008	.0000
%RSD	.0426	.1240	.4297	.3305	.1960	.2985	.1127	.3828	.0061
#1	2.018	2.025	1.988	2.042	2.063	1.997	2.067	2.032	.2476
#2	2.017	2.022	2.000	2.052	2.068	2.005	2.071	2.043	.2476
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	**2.027**	**2.068**	**2.037**	**2.062**	**2.069**	**2.022**	**2.048**	**39.47**	**38.98**
Stddev	.004	.005	.012	.009	.009	.006	.003	.04	.10
%RSD	.2001	.2585	.5675	.4565	.4579	.3193	.1663	.0967	.2602
#1	2.024	2.064	2.029	2.055	2.062	2.017	2.046	39.44	39.05
#2	2.030	2.071	2.045	2.069	2.075	2.026	2.051	39.50	38.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.79**	**39.52**	**39.93**	**40.58**	**2.066**	**2.038**	**1.995**	**5.061**	**2.077**
Stddev	.02	.08	.07	.15	.008	.008	.002	.019	.004
%RSD	.0495	.1997	.1730	.3718	.3959	.4106	.0839	.3798	.1983
#1	38.80	39.58	39.98	40.68	2.060	2.032	1.996	5.048	2.074
#2	38.78	39.47	39.88	40.47	2.071	2.044	1.993	5.075	2.080
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: 6/4/2014 15:08:28 Type: QC
Method: Accutest 2(v53) 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	**2.029**	**2.027**	**1.995**	**2.054**	**2.000**	**2.058**	**2.047**
Stddev	.001	.003	.014	.002	.018	.007	.009
%RSD	.0568	.1405	.7212	.1121	.9018	.3327	.4434
#1	2.028	2.025	1.985	2.053	1.987	2.053	2.053
#2	2.030	2.029	2.005	2.056	2.012	2.063	2.041
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	**82651.**	**18025.**	**2180.5**	**4336.0**
Stddev	131.	39.	2.2	8.2
%RSD	.15797	.21499	.10095	.18829
#1	82559.	17998.	2182.1	4341.7
#2	82743.	18053.	2179.0	4330.2

Zoom In / Zoom Out

Sample Name: ccb Acquired: 6/4/2014 15:11:25 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0001**	**.0002**	**-.0000**	**-.0002**	**-.0011**	**.0001**	**-.0006**	**-.0003**
Stddev	.0003	.0000	.0000	.0002	.0003	.0004	.0000	.0006	.0004
%RSD	54.94	4.539	7.869	710.8	117.6	33.35	4.219	107.6	116.3
#1	.0003	.0001	.0002	-.0002	-.0000	-.0014	.0001	-.0001	-.0006
#2	.0008	.0001	.0002	.0001	-.0004	-.0009	.0001	-.0010	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0003**	**-.0009**	**.0001**	**-.0006**	**.0016**	**-.0002**	**-.0126**	**.0014**
Stddev	.0003	.0001	.0007	.0008	.0022	.0022	.0010	.0105	.0027
%RSD	64.53	22.45	73.88	563.5	387.2	139.5	549.9	83.41	184.3
#1	-.0002	.0003	-.0004	-.0004	-.0021	.0000	.0005	-.0052	-.0004
#2	-.0007	.0004	-.0014	.0007	.0010	.0032	-.0009	-.0200	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0304**	**-.0824**	**.1009**	**.0014**	**.0004**	**-.0000**	**.0001**	**-.0003**
Stddev	.0001	.0195	.0020	.0075	.0007	.0002	.0009	.0001	.0001
%RSD	10.42	64.07	2.395	7.458	50.98	36.88	2561.	218.7	36.63
#1	-.0007	-.0166	-.0810	.1062	.0019	.0005	.0006	.0002	-.0002
#2	-.0008	-.0442	-.0838	.0956	.0009	.0003	-.0006	-.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: ccb Acquired: 6/4/2014 15:11:25 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0002**	F **.0135**	**.0005**	**.0011**	**.0002**	**.0005**
Stddev	.0001	.0002	.0014	.0001	.0002	.0004	.0004
%RSD	48.95	70.50	10.30	25.08	16.21	251.8	83.09
#1	.0003	-.0001	.0125	.0004	.0010	-.0001	.0008
#2	.0001	-.0003	.0145	.0006	.0013	.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86705.**	**18120.**	**2275.1**	**4780.0**
Stddev	11.	80.	2.3	4.3
%RSD	.01278	.44176	.10069	.08953
#1	86697.	18064.	2276.8	4783.0
#2	86713.	18177.	2273.5	4777.0

Zoom In / Zoom Out

Sample Name: jb68032-15 Acquired: 6/4/2014 15:14:35 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**-.0003**	**-.0002**	**-.0009**	**.0001**	**-.0003**	**-.0005**
Stddev	.0001	.0001	.0002	.0002	.0002	.0010	.0000	.0000	.0000
%RSD	1044.	436.3	2839.	63.75	139.5	112.1	27.31	14.07	.1812
#1	-.0000	-.0001	.0001	-.0004	-.0003	-.0002	.0001	-.0003	-.0005
#2	.0000	.0000	-.0002	-.0001	-.0000	-.0015	.0001	-.0003	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0025**	**-.0004**	**-.0008**	**-.0007**	**.0014**	**.0008**	**.0060**	**.0108**
Stddev	.0001	.0000	.0017	.0010	.0001	.0022	.0003	.0073	.0011
%RSD	28.65	1.355	395.7	125.2	21.89	154.7	39.95	121.1	10.07
#1	-.0005	.0025	.0008	-.0015	-.0008	-.0001	.0011	.0112	.0100
#2	-.0004	.0025	-.0017	-.0001	-.0006	.0030	.0006	.0009	.0116

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0042**	**-.0220**	**-.0170**	**.1109**	**.0012**	**-.0001**	**-.0018**	**.0194**	**.0006**
Stddev	.0008	.0039	.0088	.0178	.0004	.0001	.0009	.0009	.0009
%RSD	19.60	17.84	51.83	16.05	36.63	88.26	49.51	4.569	158.0
#1	.0036	-.0248	-.0108	.1234	.0015	-.0002	-.0012	.0201	.0012
#2	.0048	-.0193	-.0232	.0983	.0009	-.0000	-.0025	.0188	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0000**	**.0048**	**.0005**	**.0074**	**-.0017**	**.0015**
Stddev	.0000	.0002	.0010	.0000	.0011	.0008	.0006
%RSD	55.92	1818.	19.91	.9681	15.17	46.68	39.19
#1	.0000	.0001	.0042	.0005	.0066	-.0022	.0019
#2	.0001	-.0001	.0055	.0005	.0082	-.0011	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87632.**	**18526.**	**2293.0**	**4813.9**
Stddev	171.	84.	3.9	5.2
%RSD	.19457	.45447	.17192	.10882
#1	87753.	18586.	2295.8	4817.6
#2	87512.	18467.	2290.2	4810.2

Zoom In Zoom Out

Sample Name: jb68032-12f Acquired: 6/4/2014 15:17:47 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0076**	**-.0001**	**-.0001**	**.0234**	**.0004**	**.0002**	**.8256**	**.0027**	**.0001**
Stddev	.0002	.0000	.0001	.0002	.0007	.0001	.0076	.0002	.0007
%RSD	2.089	63.09	103.7	.7576	168.9	43.50	.9145	5.516	499.6
#1	.0075	-.0001	-.0000	.0233	.0010	.0003	.8203	.0028	.0007
#2	.0077	-.0000	-.0002	.0235	-.0001	.0001	.8309	.0026	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0019**	**.0079**	**.0019**	**.0010**	**.0031**	**.0004**	**.0227**	**11.97**
Stddev	.0001	.0001	.0015	.0005	.0003	.0016	.0004	.0020	.05
%RSD	21.17	2.758	18.97	24.01	32.43	50.99	112.1	8.606	.4103
#1	.0003	.0019	.0069	.0016	.0012	.0020	.0001	.0213	11.93
#2	.0005	.0018	.0090	.0022	.0007	.0042	.0007	.0241	12.00

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.628**	**10.03**	**2.149**	**658.3**	**.0568**	**.0027**	**-.0001**	**12.30**	**-.0025**
Stddev	.059	.03	.054	8.6	.0004	.0000	.0008	.03	.0004
%RSD	.8940	.2701	2.496	1.313	.7821	1.694	789.7	.2809	17.03
#1	6.587	10.01	2.111	664.4	.0571	.0027	-.0006	12.28	-.0022
#2	6.670	10.04	2.187	652.2	.0564	.0028	.0004	12.33	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0706**	**-.0004**	**.0123**	**-.0019**	**3.643**	**-.0010**	**.0022**
Stddev	.0006	.0001	.0001	.0001	.023	.0011	.0015
%RSD	.9167	34.76	1.182	3.220	.6426	108.2	67.22
#1	.0701	-.0003	.0124	-.0019	3.627	-.0018	.0033
#2	.0710	-.0005	.0122	-.0018	3.660	-.0002	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79131.**	**18175.**	**2111.8**	**3994.2**
Stddev	325.	3.	3.6	.1
%RSD	.41068	.01815	.17025	.00188
#1	79361.	18177.	2114.3	3994.1
#2	78901.	18173.	2109.2	3994.2

Zoom In Zoom Out

Sample Name: jb68032-13f Acquired: 6/4/2014 15:21:00 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**-.0002**	**.0004**	**-.0002**	**.0003**	**.0002**	**-.0002**
Stddev	.0001	.0000	.0000	.0002	.0001	.0007	.0000	.0005	.0003
%RSD	81.29	62.43	5.210	98.59	31.56	399.3	2.362	286.2	138.9
#1	.0001	-.0001	.0001	-.0004	.0005	-.0006	.0003	.0005	-.0000
#2	.0003	-.0000	.0001	-.0001	.0003	.0003	.0003	-.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0036**	**-.0014**	**-.0009**	**.0005**	**.0012**	**.0008**	**-.0050**	**.0277**
Stddev	.0000	.0001	.0017	.0007	.0001	.0007	.0006	.0004	.0006
%RSD	1.714	2.558	119.6	73.60	20.88	63.41	85.27	8.826	2.054
#1	-.0001	.0036	-.0026	-.0014	.0005	.0006	.0012	-.0053	.0273
#2	-.0001	.0035	-.0002	-.0005	.0004	.0017	.0003	-.0047	.0281

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0185**	**-.0103**	**-.0210**	**.3537**	**.0002**	**-.0002**	**-.0008**	**.0235**	**.0002**
Stddev	.0022	.0034	.0055	.0132	.0004	.0000	.0001	.0005	.0003
%RSD	12.02	33.48	26.35	3.736	281.1	3.969	10.36	2.074	155.1
#1	.0169	-.0078	-.0171	.3631	.0005	-.0003	-.0008	.0239	.0004
#2	.0200	-.0127	-.0249	.3444	-.0002	-.0002	-.0007	.0232	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**-.0005**	**-.0010**	**.0003**	**.0126**	**-.0002**	**-.0010**
Stddev	.0001	.0005	.0012	.0002	.0001	.0004	.0016
%RSD	11.49	95.84	114.9	57.72	.6951	168.5	155.1
#1	.0006	-.0002	-.0019	.0002	.0127	.0000	.0001
#2	.0005	-.0009	-.0002	.0004	.0126	-.0005	-.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87564.**	**18485.**	**2295.7**	**4825.4**
Stddev	323.	11.	5.7	8.9
%RSD	.36908	.06000	.24872	.18473
#1	87792.	18477.	2291.6	4819.0
#2	87335.	18493.	2299.7	4831.7

Zoom In Zoom Out

Sample Name: jb68032-14f Acquired: 6/4/2014 15:24:12 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**.0002**	**-.0003**	**-.0002**	**.0000**	**.0005**	**-.0003**	**.0002**
Stddev	.0001	.0001	.0002	.0005	.0001	.0002	.0000	.0000	.0001
%RSD	29.97	107.8	87.52	152.0	90.87	1888.	1.664	9.060	56.04
#1	.0003	-.0001	.0003	-.0007	-.0001	-.0002	.0005	-.0004	.0001
#2	.0002	-.0000	.0001	.0000	-.0002	.0002	.0005	-.0003	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0028**	**.0001**	**-.0006**	**.0005**	**.0002**	**-.0003**	**-.0086**	**.0161**
Stddev	.0004	.0001	.0006	.0002	.0009	.0027	.0005	.0053	.0045
%RSD	99.65	2.127	850.4	28.21	188.5	1785.	146.8	61.97	27.74
#1	-.0001	.0029	.0005	-.0008	.0011	-.0018	.0000	-.0048	.0192
#2	-.0007	.0028	-.0003	-.0005	-.0002	.0021	-.0007	-.0123	.0129

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0104**	**-.0155**	**-.0338**	**.1804**	**.0005**	**-.0000**	**-.0027**	**.0169**	**-.0001**
Stddev	.0017	.0058	.0465	.0011	.0003	.0000	.0012	.0009	.0012
%RSD	16.23	37.45	137.4	.6335	71.72	206.8	43.43	5.523	1865.
#1	.0092	-.0114	-.0667	.1812	.0007	-.0000	-.0019	.0175	.0008
#2	.0116	-.0196	-.0010	.1796	.0002	.0000	-.0036	.0162	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0028**	**.0001**	**.0049**	**-.0002**	**.0017**
Stddev	.0000	.0001	.0013	.0001	.0015	.0007	.0006
%RSD	42.85	40.34	46.60	65.97	30.24	305.6	37.19
#1	.0001	.0002	-.0018	.0001	.0039	-.0007	.0012
#2	.0001	.0001	-.0037	.0000	.0060	.0003	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87839.**	**18432.**	**2296.9**	**4823.4**
Stddev	64.	65.	4.0	7.3
%RSD	.07243	.35515	.17533	.15063
#1	87794.	18386.	2294.0	4818.3
#2	87884.	18478.	2299.7	4828.5

Zoom In Zoom Out

Sample Name: jb68032-15f Acquired: 6/4/2014 15:27:23 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.1430**	**.0005**	**.0007**	**.0108**	**.0012**	**.0086**	**.7093**	**.0074**	**.0007**
Stddev	.0006	.0000	.0002	.0000	.0004	.0003	.0052	.0004	.0006
%RSD	.4496	2.033	33.29	.2172	30.04	2.992	.7379	4.958	83.94
#1	.1435	.0005	.0006	.0108	.0015	.0085	.7056	.0076	.0003
#2	.1425	.0005	.0009	.0108	.0010	.0088	.7130	.0071	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0428**	**.0018**	**-.0010**	**.0001**	**.0018**	**.0032**	**.6137**	**17.68**
Stddev	.0003	.0000	.0011	.0013	.0000	.0000	.0019	.0017	.06
%RSD	148.2	.0062	58.76	125.6	76.61	2.381	60.00	.2766	.3574
#1	.0005	.0428	.0011	-.0001	.0001	.0017	.0018	.6149	17.72
#2	-.0000	.0428	.0026	-.0020	.0000	.0018	.0045	.6125	17.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1829**	**9.047**	**6.136**	**14.79**	**.0545**	**-.0002**	**-.0011**	**2.781**	**-.0003**
Stddev	.0023	.004	.067	.07	.0007	.0002	.0003	.006	.0009
%RSD	1.264	.0489	1.092	.4464	1.308	108.4	26.01	.2206	311.2
#1	.1846	9.050	6.184	14.84	.0540	-.0000	-.0014	2.777	.0003
#2	.1813	9.044	6.089	14.74	.0550	-.0004	-.0009	2.785	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0703**	**.0003**	**.0009**	**.0008**	**6.016**	**-.0015**	**.0033**
Stddev	.0002	.0005	.0007	.0001	.020	.0011	.0014
%RSD	.2608	159.7	86.09	12.79	.3362	71.15	41.43
#1	.0704	.0007	.0014	.0008	6.001	-.0007	.0043
#2	.0702	-.0000	.0003	.0009	6.030	-.0023	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86178.**	**18494.**	**2259.2**	**4642.8**
Stddev	304.	74.	5.8	10.8
%RSD	.35311	.40191	.25776	.23209
#1	86393.	18441.	2263.3	4650.4
#2	85962.	18546.	2255.1	4635.2

Zoom In Zoom Out

Sample Name: jb68075-1 Acquired: 6/4/2014 15:30:31 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0286**	**-.0001**	**.0003**	**.0001**	**.0000**	**.0030**	**.0163**	**.0003**	**.0001**
Stddev	.0001	.0001	.0001	.0003	.0001	.0002	.0001	.0000	.0003
%RSD	.3598	140.6	25.86	218.9	215.7	5.499	.5696	5.056	280.4
#1	.0287	-.0001	.0003	-.0001	-.0000	.0031	.0162	.0003	-.0001
#2	.0285	-.0000	.0002	.0003	.0001	.0029	.0164	.0003	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0074**	**.0003**	**-.0014**	**.0006**	**.0007**	**.0002**	**.2494**	**29.86**
Stddev	.0007	.0001	.0019	.0001	.0014	.0024	.0001	.0058	.33
%RSD	113.2	.8802	538.9	10.10	213.7	322.9	62.90	2.333	1.116
#1	.0010	.0074	-.0010	-.0015	-.0003	.0024	.0001	.2535	30.10
#2	.0001	.0074	.0017	-.0013	.0016	-.0009	.0003	.2453	29.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7304**	**11.47**	**1.416**	**11.89**	**.0487**	**.0010**	**-.0002**	**2.694**	**-.0008**
Stddev	.0110	.11	.047	.10	.0001	.0001	.0007	.017	.0002
%RSD	1.504	.9261	3.342	.8798	.1091	9.710	397.4	.6348	25.14
#1	.7381	11.55	1.450	11.97	.0487	.0010	.0003	2.682	-.0006
#2	.7226	11.40	1.383	11.82	.0487	.0011	-.0006	2.706	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1640**	**.0061**	**.0002**	**-.0004**	**13.04**	**-.0001**	**.0034**
Stddev	.0014	.0003	.0006	.0000	.05	.0004	.0002
%RSD	.8309	5.681	257.0	13.62	.3458	390.9	4.538
#1	.1650	.0063	-.0002	-.0004	13.01	-.0004	.0036
#2	.1631	.0059	.0006	-.0003	13.08	.0002	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86185.**	**18273.**	**2246.1**	**4626.1**
Stddev	73.	144.	5.8	11.1
%RSD	.08434	.78888	.25757	.23936
#1	86236.	18171.	2250.2	4633.9
#2	86133.	18375.	2242.0	4618.3

Zoom In Zoom Out

Sample Name: jb68108-1 Acquired: 6/4/2014 15:33:39 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.1322**	**-.0001**	**.0012**	**.0007**	**.0065**	**.0232**	**.1782**	**.0079**	**.0005**
Stddev	.0010	.0000	.0003	.0001	.0002	.0000	.0005	.0001	.0002
%RSD	.7663	69.97	21.85	12.45	3.521	.1800	.2983	.9466	31.91
#1	.1329	-.0000	.0010	.0006	.0067	.0233	.1778	.0080	.0006
#2	.1314	-.0001	.0014	.0007	.0064	.0232	.1786	.0079	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0059**	**.3991**	**.0017**	**-.0003**	**.0030**	**.0033**	**.0008**	**.3055**	**25.87**
Stddev	.0002	.0045	.0005	.0021	.0002	.0027	.0026	.0039	.19
%RSD	3.262	1.123	32.48	774.5	5.744	80.57	336.3	1.272	.7497
#1	.0060	.3959	.0021	-.0017	.0029	.0014	-.0011	.3082	26.01
#2	.0058	.4023	.0013	.0012	.0031	.0052	.0026	.3027	25.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.348**	**4.513**	**17.30**	**90.49**	**.0763**	**.0317**	**-.0023**	**4.637**	**-.0001**
Stddev	.007	.053	.24	.81	.0009	.0005	.0003	.070	.0005
%RSD	.1725	1.186	1.408	.8955	1.197	1.665	13.68	1.499	348.7
#1	4.353	4.551	17.47	91.06	.0757	.0313	-.0021	4.587	.0002
#2	4.343	4.475	17.12	89.92	.0770	.0320	-.0025	4.686	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1493**	**.0105**	**.0021**	**-.0004**	**4.273**	**.0004**	**.0149**
Stddev	.0007	.0002	.0013	.0001	.048	.0011	.0017
%RSD	.4590	2.358	61.59	33.03	1.125	257.5	11.25
#1	.1498	.0103	.0012	-.0003	4.239	.0012	.0160
#2	.1488	.0107	.0030	-.0005	4.307	-.0003	.0137

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85840.**	**18752.**	**2228.8**	**4457.9**
Stddev	162.	104.	19.4	30.6
%RSD	.18894	.55702	.86837	.68700
#1	85954.	18678.	2242.5	4479.5
#2	85725.	18826.	2215.1	4436.2

Zoom In Zoom Out

Sample Name: jb68126-3 Acquired: 6/4/2014 15:36:44 Type: Unk
Method: Accutest 2(v53) Mode: 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	**1.076**	**-.0001**	**.0002**	**.0015**	**.0024**	**.0026**	**.1079**	**.0021**	**.0022**
Stddev	.006	.0000	.0004	.0002	.0005	.0001	.0006	.0005	.0013
%RSD	.5954	36.86	209.4	14.56	19.63	3.913	.5328	24.41	56.74
#1	1.080	-.0001	-.0001	.0013	.0020	.0027	.1075	.0017	.0031
#2	1.071	-.0001	.0005	.0016	.0027	.0025	.1083	.0024	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0358**	**.0061**	**.0007**	**.0032**	**.0033**	**-.0007**	**.1962**	**94.45**
Stddev	.0003	.0003	.0024	.0005	.0009	.0006	.0012	.0087	.60
%RSD	30.68	.7857	39.72	67.21	26.84	17.85	170.0	4.459	.6353
#1	.0007	.0360	.0079	.0004	.0026	.0029	-.0016	.2024	94.88
#2	.0011	.0356	.0044	.0010	.0038	.0038	.0001	.1900	94.03

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**35.70**	**28.93**	**11.64**	**162.4**	**.2076**	**.0002**	**.0015**	**14.18**	**-.0002**
Stddev	.20	.16	.01	1.8	.0001	.0003	.0012	.01	.0006
%RSD	.5722	.5361	.1004	1.117	.0490	131.4	82.27	.0548	309.8
#1	35.84	29.04	11.65	163.7	.2077	.0000	.0023	14.17	.0002
#2	35.55	28.82	11.63	161.1	.2075	.0005	.0006	14.18	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8106**	**.0031**	**.0105**	**-.0023**	**.5790**	**.0037**	**.0434**
Stddev	.0033	.0003	.0014	.0002	.0021	.0010	.0008
%RSD	.4076	10.93	12.98	7.915	.3673	27.10	1.896
#1	.8129	.0034	.0115	-.0025	.5805	.0030	.0440
#2	.8082	.0029	.0096	-.0022	.5775	.0044	.0429

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82258.**	**18262.**	**2160.0**	**4242.7**
Stddev	144.	15.	2.5	6.3
%RSD	.17468	.08390	.11486	.14879
#1	82359.	18251.	2161.7	4247.2
#2	82156.	18273.	2158.2	4238.3

Zoom In Zoom Out

Sample Name: jb68128-1 Acquired: 6/4/2014 15:39:58 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**.0002**	**-.0002**	**.0001**	**-.0007**	**.0000**	**-.0004**	**.0005**
Stddev	.0002	.0000	.0000	.0002	.0004	.0003	.0000	.0002	.0000
%RSD	60.35	52.18	4.541	113.1	335.0	40.53	15.98	45.87	1.675
#1	.0005	-.0001	.0002	-.0003	.0004	-.0009	.0000	-.0003	.0005
#2	.0002	-.0000	.0001	-.0000	-.0002	-.0005	.0000	-.0006	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0005**	**-.0012**	**.0001**	**.0018**	**-.0002**	**.0005**	**-.0120**	**.0060**
Stddev	.0003	.0002	.0004	.0008	.0003	.0006	.0014	.0011	.0043
%RSD	109.8	30.54	33.90	694.6	14.52	286.2	307.6	8.935	70.94
#1	-.0001	.0007	-.0009	-.0005	.0020	-.0006	.0014	-.0113	.0090
#2	-.0004	.0004	-.0015	.0007	.0017	.0002	-.0005	-.0128	.0030

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0055**	**-.0223**	**-.0509**	**.1475**	**.0008**	**-.0002**	**-.0019**	**.0090**	**.0002**
Stddev	.0001	.0033	.0250	.0076	.0008	.0000	.0001	.0010	.0006
%RSD	1.321	14.79	49.24	5.135	96.04	9.867	6.072	11.48	340.3
#1	.0055	-.0247	-.0686	.1421	.0013	-.0002	-.0018	.0098	.0006
#2	.0054	-.0200	-.0332	.1529	.0003	-.0002	-.0020	.0083	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0003**	**-.0050**	**-.0001**	**.0052**	**-.0008**	**.0032**
Stddev	.0002	.0000	.0005	.0000	.0057	.0017	.0004
%RSD	105.0	10.26	10.62	25.38	110.1	205.7	11.71
#1	.0003	-.0003	-.0046	-.0001	.0092	.0004	.0030
#2	.0000	-.0002	-.0054	-.0001	.0012	-.0020	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88404.**	**18196.**	**2315.4**	**4862.4**
Stddev	55.	82.	17.0	37.6
%RSD	.06187	.45169	.73611	.77299
#1	88443.	18138.	2303.3	4835.8
#2	88366.	18254.	2327.4	4889.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 15:43:09 Type: QC
Method: Accutest 2(v53) Mode: 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	**2.027**	**2.032**	**1.969**	**2.019**	**2.050**	**1.991**	**2.059**	**2.016**	**.2462**
Stddev	.013	.009	.014	.012	.004	.004	.005	.010	.0002
%RSD	.6549	.4587	.7204	.6062	.1932	.1862	.2604	.4868	.0913
#1	2.036	2.038	1.979	2.028	2.047	1.988	2.055	2.023	.2463
#2	2.018	2.025	1.959	2.010	2.053	1.993	2.063	2.009	.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	**2.017**	**2.043**	**2.006**	**2.043**	**2.045**	**2.000**	**2.016**	**39.63**	**39.18**
Stddev	.005	.013	.015	.011	.013	.015	.017	.21	.24
%RSD	.2489	.6566	.7324	.5416	.6247	.7577	.8294	.5338	.6137
#1	2.013	2.053	2.016	2.051	2.054	2.011	2.027	39.78	39.35
#2	2.020	2.034	1.996	2.036	2.036	1.989	2.004	39.49	39.01
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	**38.94**	**39.69**	**40.05**	**40.72**	**2.038**	**2.010**	**1.984**	**4.991**	**2.054**
Stddev	.19	.27	.38	.36	.013	.017	.001	.037	.016
%RSD	.4823	.6788	.9584	.8841	.6175	.8345	.0450	.7362	.7649
#1	39.07	39.88	40.33	40.97	2.047	2.022	1.983	5.017	2.065
#2	38.80	39.50	39.78	40.46	2.029	1.998	1.985	4.965	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 15:43:09 Type: QC
Method: Accutest 2(v53) 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	**2.042**	**2.020**	**1.972**	**2.046**	**1.973**	**2.023**	**2.051**
Stddev	.012	.003	.013	.005	.019	.016	.015
%RSD	.5993	.1578	.6474	.2546	.9528	.7648	.7103
#1	2.050	2.018	1.981	2.042	1.987	2.034	2.061
#2	2.033	2.022	1.963	2.049	1.960	2.012	2.040
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	**83189.**	**17951.**	**2200.0**	**4370.5**
Stddev	161.	64.	5.7	6.3
%RSD	.19370	.35719	.25835	.14390
#1	83303.	17906.	2196.0	4366.1
#2	83075.	17996.	2204.0	4375.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 15:49:30 Type: QC
Method: Accutest 2(v53) 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**	**-.0001**	**-.0000**	**-.0000**	F **-.0014**	**.0001**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0002	.0004	.0000	.0001
%RSD	33.15	23.33	99.46	172.0	40930.	28.82	18.82	56.49
#1	.0005	.0001	-.0000	.0000	.0001	-.0012	.0001	-.0001
#2	.0003	.0001	-.0002	-.0001	-.0001	-.0017	.0002	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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**	**.0000**	**.0002**	**.0023**	**-.0017**	**.0000**	**.0004**	**.0003**
Stddev	.0001	.0000	.0001	.0000	.0005	.0001	.0019	.0007
%RSD	44.83	127700.	53.52	.4081	26.88	363.1	486.4	255.2
#1	-.0001	-.0000	.0003	.0023	-.0020	.0001	-.0009	.0008
#2	-.0002	.0000	.0001	.0023	-.0014	-.0001	.0017	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0204**	**.0013**	**.0005**	**.0016**	**-.0498**	**.0717**	**.0022**	**.0005**
Stddev	.0023	.0049	.0008	.0225	.0075	.0128	.0002	.0000
%RSD	11.39	366.0	144.9	1385.	14.96	17.81	11.47	1.346
#1	-.0187	.0048	.0010	-.0143	-.0445	.0627	.0020	.0005
#2	-.0220	-.0021	-.0000	.0175	-.0551	.0807	.0023	.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0200							
Low Limit	-.0200							

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 15:49:30 Type: QC
Method: Accutest 2(v53) 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**	**.0001**	**.0001**	F **.0152**	**.0009**	**-.0010**
Stddev	.0020	.0004	.0017	.0001	.0000	.0016	.0000	.0028
%RSD	401.8	57.08	1358.	47.36	76.20	10.83	1.067	288.2
#1	-.0019	.0004	-.0011	.0001	.0000	.0164	.0009	.0010
#2	.0009	.0010	.0013	.0002	.0001	.0140	.0009	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**.0019**
Stddev	.0011	.0006
%RSD	507.7	29.93
#1	.0005	.0023
#2	-.0010	.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	**87149.**	**18143.**	**2279.5**	**4788.4**
Stddev	22.	149.	8.2	11.5
%RSD	.02549	.82105	.36099	.24053
#1	87165.	18037.	2285.3	4796.6
#2	87133.	18248.	2273.6	4780.3

Zoom In Zoom Out

Sample Name: jb68128-2 Acquired: 6/4/2014 15:52:41 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.1237**	**-.0004**	**.0002**	**.0145**	**.0122**	**.0277**	**19.89**	**.0352**	**.0085**
Stddev	.0002	.0001	.0001	.0001	.0003	.0001	.28	.0002	.0004
%RSD	.2002	26.27	24.90	.4880	2.102	.4589	1.398	.6849	4.753
#1	.1239	-.0003	.0002	.0144	.0124	.0276	19.69	.0351	.0088
#2	.1236	-.0004	.0002	.0145	.0120	.0278	20.08	.0354	.0082

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0089**	**.0140**	**.0092**	**.0072**	**.0031**	**.0118**	**-.0001**	**1.214**	**123.5**
Stddev	.0004	.0001	.0043	.0042	.0007	.0030	.0009	.004	.1
%RSD	4.456	.7333	47.01	58.74	23.50	25.79	735.6	.3710	.0682
#1	.0086	.0141	.0061	.0102	.0026	.0096	.0005	1.210	123.5
#2	.0091	.0139	.0122	.0042	.0036	.0140	-.0008	1.217	123.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.826**	**29.85**	**2.486**	**1088.**	**.4113**	**.0032**	**.0011**	**7.371**	**-.0023**
Stddev	.022	.15	.033	24.	.0000	.0000	.0009	.011	.0001
%RSD	.3243	.5086	1.339	2.218	.0045	.9408	82.01	.1495	3.395
#1	6.810	29.74	2.463	1105.	.4113	.0033	.0017	7.379	-.0023
#2	6.842	29.96	2.510	1071.	.4113	.0032	.0005	7.363	-.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4692**	**.0273**	**.0185**	**-.0004**	**38.82**	**.0045**	**.0149**
Stddev	.0014	.0009	.0008	.0000	.10	.0005	.0005
%RSD	.2968	3.304	4.556	2.368	.2569	11.99	3.490
#1	.4683	.0279	.0191	-.0004	38.89	.0049	.0145
#2	.4702	.0267	.0179	-.0004	38.74	.0041	.0153

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76053.**	**17553.**	**2026.3**	**3773.8**
Stddev	520.	55.	6.1	7.4
%RSD	.68369	.31097	.30233	.19624
#1	76421.	17514.	2021.9	3768.5
#2	75685.	17592.	2030.6	3779.0

Zoom In Zoom Out

Sample Name: jb68147-1 Acquired: 6/4/2014 15:55:58 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.3655**	**-.0001**	**.0001**	**.0009**	**.0012**	**.0005**	**2.537**	**.0024**	**.0029**
Stddev	.0006	.0000	.0001	.0002	.0002	.0003	.006	.0003	.0008
%RSD	.1624	52.46	116.5	20.57	16.12	59.30	.2356	13.62	27.37
#1	.3659	-.0000	.0002	.0010	.0011	.0007	2.533	.0021	.0023
#2	.3651	-.0001	.0000	.0007	.0013	.0003	2.541	.0026	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0011**	**.0160**	**-.0002**	**-.0024**	**.0022**	**-.0000**	**.0511**	**129.2**
Stddev	.0004	.0001	.0008	.0001	.0010	.0012	.0003	.0036	.2
%RSD	51.02	9.915	4.738	54.42	43.34	52.60	4539.	7.111	.1229
#1	.0005	.0010	.0154	-.0003	-.0016	.0014	.0002	.0485	129.1
#2	.0011	.0012	.0165	-.0001	-.0031	.0030	-.0002	.0536	129.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.89**	**26.04**	**2.140**	**52.14**	**.1007**	**.0005**	**.0021**	**8.112**	**-.0019**
Stddev	.03	.11	.025	.10	.0007	.0000	.0008	.032	.0006
%RSD	.1364	.4277	1.180	.2008	.7369	6.517	36.42	.3959	33.39
#1	22.87	25.96	2.123	52.07	.1002	.0005	.0026	8.089	-.0014
#2	22.91	26.11	2.158	52.22	.1012	.0004	.0016	8.135	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5003**	**-.0000**	**.0123**	**-.0010**	**8.828**	**.0040**	**.0070**
Stddev	.0006	.0005	.0024	.0003	.024	.0014	.0019
%RSD	.1193	1029.	19.54	24.90	.2714	34.25	27.62
#1	.5007	.0003	.0106	-.0008	8.811	.0049	.0084
#2	.4998	-.0004	.0140	-.0012	8.845	.0030	.0056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82873.**	**18220.**	**2161.0**	**4302.7**
Stddev	134.	8.	.4	3.2
%RSD	.16137	.04363	.01675	.07358
#1	82778.	18225.	2161.3	4300.5
#2	82967.	18214.	2160.8	4305.0

Zoom In Zoom Out

Sample Name: jb68173-15 Acquired: 6/4/2014 15:59:04 Type: Unk
Method: Accutest 2(v53) Mode: 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**	**-.0000**	**-.0005**	**.0001**	**-.0004**	**.0005**	**-.0002**	**.0007**
Stddev	.0000	.0000	.0002	.0000	.0003	.0004	.0001	.0001	.0008
%RSD	1.549	103.0	952.6	7.420	288.4	94.76	11.91	42.06	112.2
#1	.0006	-.0000	.0001	-.0005	-.0001	-.0001	.0006	-.0002	.0001
#2	.0006	-.0001	-.0002	-.0005	.0003	-.0007	.0005	-.0001	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0116**	**.0009**	**-.0014**	**.0007**	**-.0007**	**-.0000**	**-.0088**	**.0895**
Stddev	.0003	.0000	.0003	.0004	.0006	.0004	.0001	.0042	.0011
%RSD	138.9	.0062	31.90	31.39	90.08	54.63	411.2	47.64	1.284
#1	-.0004	.0116	.0011	-.0017	.0003	-.0004	.0000	-.0118	.0903
#2	-.0000	.0116	.0007	-.0011	.0012	-.0010	-.0001	-.0059	.0886

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0096**	**.0000**	**-.0558**	**.5490**	**.0030**	**-.0000**	**-.0004**	**.0439**	**.0005**
Stddev	.0015	.0189	.0295	.0034	.0001	.0000	.0034	.0003	.0003
%RSD	15.95	77910.	52.80	.6235	2.846	36.07	819.8	.6880	51.95
#1	.0107	.0134	-.0350	.5514	.0031	-.0000	.0020	.0441	.0003
#2	.0086	-.0133	-.0766	.5465	.0030	-.0001	-.0028	.0436	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0001**	**.0009**	**-.0000**	**.0080**	**-.0013**	**.0020**
Stddev	.0000	.0004	.0003	.0003	.0012	.0028	.0001
%RSD	14.18	549.8	38.16	1006.	14.43	221.7	7.287
#1	.0002	-.0004	.0007	-.0002	.0072	.0007	.0019
#2	.0001	.0002	.0012	.0002	.0088	-.0033	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88507.**	**18546.**	**2303.9**	**4840.0**
Stddev	33.	34.	.2	.6
%RSD	.03752	.18457	.00958	.01183
#1	88530.	18570.	2304.0	4839.6
#2	88483.	18522.	2303.7	4840.4

Zoom In Zoom Out

Sample Name: mp79841-mb1 2 Acquired: 6/4/2014 16:02:16 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0057**	**-.0000**	**.0003**	**.0001**	**.0006**	**.0008**	**.0041**	**.0044**	**.0001**
Stddev	.0001	.0001	.0001	.0001	.0000	.0003	.0001	.0000	.0002
%RSD	1.235	371.1	34.96	103.1	7.912	30.34	1.368	1.139	207.9
#1	.0056	.0000	.0002	.0001	.0007	.0010	.0042	.0044	.0003
#2	.0057	-.0001	.0004	.0000	.0006	.0007	.0041	.0044	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0065**	**.0004**	**-.0011**	**.0010**	**.0023**	**.0011**	**.0137**	**.3661**
Stddev	.0001	.0000	.0011	.0010	.0003	.0012	.0020	.0037	.0061
%RSD	20.45	.6509	301.8	94.05	30.34	50.88	188.3	26.86	1.680
#1	-.0004	.0065	-.0004	-.0018	.0008	.0032	-.0004	.0111	.3617
#2	-.0003	.0066	.0011	-.0004	.0012	.0015	.0025	.0163	.3704

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0438**	**.0210**	**-.0512**	**.2672**	**.0012**	**-.0001**	**-.0011**	**.6340**	**-.0003**
Stddev	.0001	.0220	.0058	.0056	.0005	.0004	.0004	.0007	.0000
%RSD	.1887	104.6	11.36	2.083	41.43	402.8	36.02	.1060	8.248
#1	.0438	.0365	-.0553	.2632	.0009	-.0004	-.0009	.6335	-.0003
#2	.0437	.0055	-.0471	.2711	.0016	.0002	-.0014	.6345	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0146**	**.0006**	**.0002**	**.0002**	**1.277**	**.0012**	**.0019**
Stddev	.0001	.0004	.0004	.0001	.002	.0005	.0017
%RSD	1.027	71.70	252.8	38.24	.1336	42.89	85.66
#1	.0145	.0009	-.0001	.0002	1.276	.0008	.0008
#2	.0147	.0003	.0005	.0001	1.278	.0015	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88196.**	**18496.**	**2296.3**	**4839.6**
Stddev	80.	131.	5.8	11.7
%RSD	.09043	.70950	.25406	.24126
#1	88253.	18589.	2300.4	4847.9
#2	88140.	18404.	2292.1	4831.3

Zoom In Zoom Out

Sample Name: mp79841-b1 Acquired: 6/4/2014 16:05:25 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.075**	**.0516**	**.0484**	**.5072**	**.2116**	**.2530**	**.5306**	**.5131**	**.0518**
Stddev	.001	.0000	.0000	.0007	.0005	.0000	.0012	.0005	.0010
%RSD	.0305	.0817	.0479	.1347	.2161	.0003	.2198	.0944	1.965
#1	2.074	.0516	.0483	.5077	.2119	.2530	.5298	.5135	.0511
#2	2.075	.0515	.0484	.5067	.2113	.2530	.5315	.5128	.0526

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4855**	**.5260**	**1.986**	**2.131**	**2.078**	**1.904**	**.5065**	**2.035**	**.0654**
Stddev	.0019	.0001	.005	.000	.004	.002	.0017	.001	.0023
%RSD	.3909	.0285	.2414	.0208	.1664	.1265	.3442	.0452	3.453
#1	.4841	.5259	1.989	2.131	2.080	1.902	.5078	2.035	.0638
#2	.4868	.5261	1.983	2.132	2.075	1.906	.5053	2.034	.0670

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.058**	**.0027**	**-.0522**	**.1741**	**.0005**	**.0008**	**.0007**	**.2912**	**.0002**
Stddev	.000	.0189	.0283	.0044	.0007	.0001	.0020	.0012	.0011
%RSD	.0090	703.4	54.19	2.518	141.2	8.138	267.9	.4236	500.1
#1	1.058	-.0107	-.0722	.1710	.0010	.0008	.0021	.2921	.0010
#2	1.058	.0161	-.0322	.1772	.0000	.0007	-.0007	.2903	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0099**	**.0016**	**.0058**	**.0000**	**1.171**	**.0001**	**.0018**
Stddev	.0000	.0007	.0004	.0002	.004	.0008	.0023
%RSD	.1218	46.15	6.864	920.7	.3083	650.9	131.3
#1	.0100	.0021	.0055	.0002	1.174	-.0004	.0001
#2	.0099	.0011	.0060	-.0001	1.168	.0007	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88018.**	**18594.**	**2299.5**	**4806.5**
Stddev	422.	20.	1.5	1.6
%RSD	.47937	.10900	.06663	.03258
#1	87720.	18609.	2298.5	4805.4
#2	88316.	18580.	2300.6	4807.6

Zoom In Zoom Out

Sample Name: mp79841-s1 Acquired: 6/4/2014 16:08:26 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.583**	**.0523**	**.0522**	**.5417**	**.2132**	**.2667**	**.5328**	**.5375**	**.0573**
Stddev	.001	.0001	.0001	.0008	.0014	.0011	.0019	.0001	.0005
%RSD	.0244	.2389	.2256	.1435	.6356	.4006	.3511	.0206	.8410
#1	2.584	.0524	.0522	.5411	.2122	.2659	.5314	.5375	.0569
#2	2.583	.0523	.0521	.5422	.2141	.2674	.5341	.5376	.0576

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5077**	**.5247**	**2.231**	**2.095**	**2.142**	**.6008**	**.5494**	**2.296**	**666.8**
Stddev	.0012	.0007	.001	.001	.005	.0053	.0011	.006	11.1
%RSD	.2459	.1312	.0219	.0626	.2238	.8855	.2059	.2463	1.665
#1	.5068	.5242	2.230	2.094	2.145	.5971	.5502	2.292	674.6
#2	.5086	.5252	2.231	2.096	2.139	.6046	.5486	2.300	659.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.043**	**.0130**	**15.88**	**97.60**	**.0070**	**.0243**	**.0297**	**.9730**	**-.0009**
Stddev	.005	.0199	.07	.06	.0003	.0002	.0000	.0009	.0001
%RSD	.5137	152.8	.4554	.0611	4.003	.7084	.0619	.0897	9.564
#1	1.039	-.0010	15.93	97.56	.0072	.0244	.0297	.9724	-.0009
#2	1.047	.0271	15.83	97.65	.0068	.0241	.0297	.9736	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.005**	**.0021**	**.0082**	**.0009**	**252.2**	**.0200**	**.1309**
Stddev	.003	.0007	.0008	.0002	.2	.0019	.0010
%RSD	.1293	35.50	9.501	18.49	.0857	9.576	.7465
#1	2.003	.0016	.0087	.0010	252.0	.0213	.1316
#2	2.007	.0026	.0076	.0007	252.3	.0186	.1303

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78454.**	**17847.**	**2030.9**	**3944.6**
Stddev	7.	10.	1.3	3.3
%RSD	.00846	.05452	.06600	.08325
#1	78459.	17841.	2031.8	3947.0
#2	78450.	17854.	2029.9	3942.3

Zoom In Zoom Out

Sample Name: mp79841-s2 Acquired: 6/4/2014 16:11:31 Type: Unk
Method: Accutest 2(v53) Mode: 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	**2.453**	**.0501**	**.0496**	**.5106**	**.2027**	**.2525**	**.5029**	**.5072**	**.0542**
Stddev	.011	.0003	.0004	.0016	.0003	.0007	.0011	.0024	.0002
%RSD	.4397	.5384	.7620	.3060	.1585	.2940	.2284	.4734	.3716
#1	2.461	.0502	.0498	.5117	.2029	.2519	.5021	.5089	.0544
#2	2.446	.0499	.0493	.5095	.2025	.2530	.5037	.5055	.0541

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4800**	**.4960**	**2.102**	**1.984**	**2.024**	**.5014**	**.5180**	**2.171**	**625.4**
Stddev	.0010	.0019	.009	.005	.008	.0000	.0015	.005	5.3
%RSD	.1999	.3832	.4440	.2752	.3994	.0046	.2862	.2374	.8524
#1	.4793	.4973	2.108	1.988	2.029	.5014	.5190	2.174	629.2
#2	.4807	.4946	2.095	1.981	2.018	.5013	.5169	2.167	621.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9964**	**.0217**	**15.10**	**93.04**	**.0070**	**.0232**	**.0281**	**.9170**	**-.0005**
Stddev	.0015	.0069	.09	.42	.0002	.0000	.0017	.0017	.0003
%RSD	.1521	31.51	.5956	.4477	2.763	.1310	6.181	.1884	68.18
#1	.9954	.0169	15.16	93.33	.0069	.0232	.0269	.9182	-.0003
#2	.9975	.0266	15.04	92.74	.0071	.0232	.0293	.9157	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.919**	**.0018**	**.0069**	**-.0003**	**242.7**	**.0184**	**.1260**
Stddev	.004	.0000	.0003	.0001	.4	.0002	.0002
%RSD	.1906	.1720	4.020	52.44	.1764	1.209	.1875
#1	1.922	.0018	.0067	-.0002	243.0	.0185	.1262
#2	1.917	.0018	.0070	-.0004	242.4	.0182	.1258

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78965.**	**17838.**	**2041.7**	**3969.9**
Stddev	20.	2.	8.5	15.7
%RSD	.02590	.01124	.41410	.39547
#1	78979.	17837.	2035.7	3958.8
#2	78950.	17840.	2047.7	3981.0

Zoom In Zoom Out

Sample Name: jb68170-2ab Acquired: 6/4/2014 16:14:38 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.4386**	**-.0004**	**.0003**	**.0015**	**.0004**	**.0026**	**.0001**	**-.0001**	**.0020**
Stddev	.0018	.0001	.0000	.0000	.0001	.0003	.0001	.0001	.0007
%RSD	.4001	14.15	12.48	1.599	32.07	10.30	73.63	91.75	36.92
#1	.4374	-.0004	.0003	.0015	.0005	.0028	.0001	-.0002	.0015
#2	.4398	-.0003	.0002	.0015	.0003	.0024	.0000	-.0000	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**-.0045**	**-.0042**	**-.0030**	**-.0065**	**.0081**	**.0004**	**.1645**	**661.9**
Stddev	.0005	.0000	.0012	.0011	.0006	.0005	.0005	.0050	5.8
%RSD	31.37	.2138	27.79	36.02	8.633	6.277	150.2	3.039	.8692
#1	.0011	-.0045	-.0051	-.0037	-.0069	.0077	.0007	.1609	657.8
#2	.0018	-.0045	-.0034	-.0022	-.0061	.0084	-.0000	.1680	666.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0085**	**.0170**	**15.90**	**97.98**	**.0058**	**.0230**	**.0270**	**.9651**	**-.0006**
Stddev	.0002	.0100	.00	.13	.0006	.0002	.0038	.0046	.0008
%RSD	2.511	58.72	.0070	.1321	11.00	.7941	13.93	.4818	134.1
#1	-.0084	.0099	15.90	97.88	.0063	.0229	.0244	.9618	-.0000
#2	-.0087	.0240	15.90	98.07	.0054	.0232	.0297	.9684	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.003**	**.0011**	**.0013**	**.0002**	**271.2**	**.0181**	**.1323**
Stddev	.008	.0001	.0015	.0002	1.0	.0001	.0004
%RSD	.4203	12.04	114.8	131.2	.3640	.2958	.2960
#1	1.997	.0012	.0002	.0003	270.5	.0181	.1320
#2	2.009	.0010	.0024	.0000	271.9	.0180	.1326

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78307.**	**17796.**	**2032.3**	**3932.8**
Stddev	414.	33.	5.4	6.3
%RSD	.52820	.18635	.26704	.16142
#1	78600.	17820.	2036.2	3937.3
#2	78015.	17773.	2028.5	3928.3

Zoom In Zoom Out

Sample Name: mp79841-sd1 Acquired: 6/4/2014 16:17:53 Type: Unk
Method: Accutest 2(v53) 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	**.4457**	**-.0002**	**.0020**	**.0010**	**.0006**	**-.0016**	**-.0002**	**.0021**	**-.0016**
Stddev	.0022	.0003	.0002	.0011	.0023	.0000	.0001	.0008	.0010
%RSD	.4833	135.9	12.00	118.1	371.4	.2938	35.94	38.58	62.09
#1	.4472	-.0005	.0018	.0002	.0023	-.0016	-.0002	.0026	-.0009
#2	.4441	-.0000	.0022	.0018	-.0010	-.0016	-.0001	.0015	-.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0003**	**-.0055**	**-.0039**	**-.0099**	**.0005**	**.0006**	**.1403**	**702.5**
Stddev	.0016	.0011	.0001	.0017	.0030	.0034	.0034	.0150	3.5
%RSD	74.33	382.3	1.629	42.48	30.35	628.6	591.6	10.72	.4994
#1	.0010	.0010	-.0054	-.0051	-.0120	.0029	.0030	.1510	705.0
#2	.0033	-.0005	-.0055	-.0028	-.0077	-.0019	-.0019	.1297	700.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0044**	**-.0610**	**15.61**	**99.33**	**.0041**	**.0228**	**.0293**	**.9692**	**-.0088**
Stddev	.0172	.0018	.03	.37	.0007	.0011	.0084	.0119	.0009
%RSD	391.4	3.027	.1644	.3755	16.67	4.955	28.57	1.231	10.41
#1	.0166	-.0597	15.60	99.60	.0045	.0220	.0352	.9607	-.0095
#2	-.0078	-.0623	15.63	99.07	.0036	.0236	.0234	.9776	-.0082

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.020**	**.0001**	**-.0199**	**.0000**	**265.7**	**.0107**	**.1465**
Stddev	.011	.0018	.0042	.0004	1.0	.0017	.0005
%RSD	.5248	1805.	21.31	161900.	.3599	15.61	.3736
#1	2.028	.0014	-.0229	.0003	265.1	.0095	.1469
#2	2.013	-.0012	-.0169	-.0003	266.4	.0118	.1461

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84303.**	**17980.**	**2190.9**	**4419.2**
Stddev	265.	51.	4.1	6.4
%RSD	.31391	.28118	.18665	.14467
#1	84490.	17944.	2193.8	4423.8
#2	84116.	18016.	2188.0	4414.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 16:21:02 Type: QC
Method: Accutest 2(v53) Mode: 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	**2.013**	**2.019**	**1.968**	**2.023**	**2.049**	**1.984**	**2.055**	**2.012**	**.2456**
Stddev	.009	.011	.001	.002	.006	.002	.002	.004	.0011
%RSD	.4394	.5200	.0572	.1208	.2798	.0961	.0813	.1726	.4600
#1	2.019	2.027	1.969	2.024	2.045	1.982	2.054	2.014	.2448
#2	2.006	2.012	1.967	2.021	2.053	1.985	2.056	2.009	.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	**2.010**	**2.043**	**2.009**	**2.038**	**2.048**	**1.995**	**2.019**	**39.35**	**38.84**
Stddev	.005	.006	.004	.003	.003	.006	.000	.16	.21
%RSD	.2535	.2914	.1734	.1613	.1336	.2953	.0079	.4079	.5305
#1	2.007	2.047	2.006	2.040	2.050	1.990	2.019	39.46	38.98
#2	2.014	2.039	2.011	2.036	2.046	1.999	2.019	39.24	38.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.62**	**39.36**	**39.85**	**40.65**	**2.038**	**2.011**	**1.979**	**5.003**	**2.055**
Stddev	.18	.33	.29	.27	.001	.002	.005	.002	.005
%RSD	.4692	.8318	.7175	.6556	.0266	.1062	.2476	.0443	.2351
#1	38.74	39.59	40.05	40.83	2.039	2.012	1.976	5.002	2.059
#2	38.49	39.13	39.65	40.46	2.038	2.009	1.983	5.005	2.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 16:21:02 Type: QC
Method: Accutest 2(v53) 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**	**2.012**	**1.970**	**2.039**	**2.004**	**2.029**	**2.052**
Stddev	.010	.004	.001	.004	.004	.003	.013
%RSD	.5121	.1904	.0474	.2206	.1746	.1309	.6434
#1	2.032	2.010	1.971	2.035	2.001	2.031	2.061
#2	2.018	2.015	1.969	2.042	2.006	2.027	2.042
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	**83035.**	**17935.**	**2203.5**	**4374.6**
Stddev	182.	112.	6.2	12.1
%RSD	.21897	.62555	.27953	.27736
#1	83164.	17855.	2199.2	4366.0
#2	82907.	18014.	2207.9	4383.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 16:23:58 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0001**	**-.0000**	**-.0001**	**-.0003**	**-.0011**	**.0001**	**-.0001**	**.0005**
Stddev	.0002	.0000	.0001	.0004	.0004	.0004	.0000	.0003	.0002
%RSD	29.67	10.02	393.7	303.1	120.2	39.80	22.48	235.1	48.69
#1	.0007	.0001	.0001	-.0004	-.0000	-.0014	.0001	.0001	.0006
#2	.0004	.0001	-.0001	.0002	-.0006	-.0008	.0001	-.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0013**	**-.0013**	**-.0008**	**.0007**	**-.0003**	**-.0146**	**.0031**
Stddev	.0005	.0000	.0005	.0018	.0006	.0039	.0013	.0001	.0002
%RSD	289.5	11.00	36.82	144.3	69.20	563.6	443.8	.8754	5.444
#1	-.0005	.0002	.0017	-.0026	-.0004	-.0021	-.0012	-.0147	.0030
#2	.0002	.0002	.0010	.0000	-.0012	.0035	.0006	-.0145	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**-.0119**	**-.0631**	**.0768**	**.0007**	**.0005**	**-.0009**	**.0000**	**-.0005**
Stddev	.0010	.0467	.0107	.0074	.0007	.0002	.0015	.0003	.0003
%RSD	30.78	392.1	16.97	9.642	111.6	35.30	169.1	2197.	56.40
#1	.0024	-.0449	-.0707	.0820	.0012	.0007	-.0019	-.0002	-.0007
#2	.0038	.0211	-.0555	.0715	.0001	.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 16:23:58 Type: QC
Method: Accutest 2(v53) 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**	F **.0120**	**.0005**	F **.0174**	**.0003**	**.0022**
Stddev	.0001	.0007	.0002	.0001	.0032	.0009	.0003
%RSD	72.09	303.8	1.700	18.46	18.43	257.5	12.85
#1	.0001	-.0003	.0119	.0006	.0197	.0010	.0020
#2	.0002	.0007	.0121	.0005	.0152	-.0003	.0024
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0050		.0150		
Low Limit			-.0050		-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87048.**	**17949.**	**2289.4**	**4814.0**
Stddev	338.	221.	2.3	1.8
%RSD	.38803	1.2331	.10121	.03815
#1	87287.	17793.	2287.7	4812.7
#2	86809.	18106.	2291.0	4815.3

Zoom In Zoom Out

Sample Name: jb68170-1ab Acquired: 6/4/2014 16:27:09 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.4194**	**-.0003**	**.0004**	**.0015**	**.0004**	**.0028**	**.0002**	**-.0007**	**.0021**
Stddev	.0002	.0000	.0004	.0002	.0002	.0004	.0000	.0005	.0005
%RSD	.0484	11.74	97.90	15.79	55.00	14.56	4.657	70.08	26.53
#1	.4192	-.0003	.0006	.0013	.0006	.0025	.0002	-.0010	.0025
#2	.4195	-.0002	.0001	.0017	.0003	.0031	.0002	-.0003	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**-.0046**	**-.0044**	**-.0052**	**-.0065**	**.0090**	**.0011**	**.1717**	**710.9**
Stddev	.0001	.0001	.0008	.0004	.0017	.0011	.0002	.0070	14.5
%RSD	3.271	2.922	17.63	7.848	25.75	12.16	16.16	4.079	2.040
#1	.0019	-.0045	-.0050	-.0049	-.0053	.0082	.0012	.1668	721.2
#2	.0018	-.0047	-.0039	-.0055	-.0077	.0098	.0009	.1767	700.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0037**	**.0162**	**17.32**	**106.6**	**.0062**	**.0261**	**.0287**	**.8608**	**-.0003**
Stddev	.0039	.0114	.00	.0	.0009	.0004	.0019	.0043	.0003
%RSD	104.9	70.03	.0175	.0118	13.99	1.666	6.478	.4959	113.9
#1	-.0010	.0082	17.32	106.6	.0069	.0258	.0300	.8638	-.0005
#2	-.0065	.0243	17.32	106.6	.0056	.0264	.0274	.8578	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.163**	**.0006**	**.0104**	**.0006**	**319.1**	**.0205**	**.1418**
Stddev	.000	.0003	.0001	.0002	1.0	.0006	.0007
%RSD	.0176	44.04	.5377	27.50	.3190	2.932	.4746
#1	2.164	.0008	.0103	.0005	319.8	.0201	.1423
#2	2.163	.0004	.0104	.0007	318.4	.0210	.1414

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77931.**	**17636.**	**2014.1**	**3897.6**
Stddev	550.	46.	11.2	25.9
%RSD	.70566	.26353	.55783	.66347
#1	78320.	17603.	2006.1	3879.3
#2	77542.	17669.	2022.0	3915.9

Zoom In Zoom Out

Sample Name: jb68170-3ab Acquired: 6/4/2014 16:30:24 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.1918**	**-.0003**	**-.0001**	**.0025**	**.0069**	**.0049**	**.0010**	**.0048**	**.0017**
Stddev	.0007	.0000	.0002	.0002	.0005	.0003	.0001	.0007	.0001
%RSD	.3519	7.503	195.1	7.745	6.884	7.075	7.282	13.69	3.824
#1	.1923	-.0003	.0000	.0026	.0072	.0047	.0011	.0053	.0017
#2	.1914	-.0003	-.0003	.0023	.0065	.0052	.0010	.0044	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0113**	**-.0032**	**-.0014**	**-.0071**	**-.0063**	**.0061**	**.0019**	**.4206**	**672.9**
Stddev	.0004	.0000	.0011	.0005	.0020	.0006	.0013	.0075	6.3
%RSD	3.447	.0594	80.60	7.672	31.59	9.380	69.03	1.782	.9331
#1	.0110	-.0032	-.0006	-.0067	-.0049	.0057	.0010	.4153	677.3
#2	.0116	-.0032	-.0022	-.0075	-.0077	.0065	.0028	.4259	668.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1187**	**.1212**	**11.23**	**107.3**	**.0336**	**.0386**	**.0337**	**10.41**	**-.0005**
Stddev	.0017	.0036	.04	.0	.0003	.0003	.0012	.00	.0004
%RSD	1.429	2.938	.3305	.0011	.7511	.6740	3.531	.0186	70.88
#1	.1175	.1187	11.20	107.3	.0338	.0388	.0345	10.41	-.0008
#2	.1199	.1238	11.26	107.3	.0334	.0384	.0328	10.41	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9824**	**.0007**	**.0152**	**-.0010**	**596.4**	**.0191**	**.0382**
Stddev	.0002	.0002	.0001	.0000	.2	.0017	.0012
%RSD	.0174	31.53	.7670	3.292	.0325	9.077	3.209
#1	.9825	.0009	.0152	-.0010	596.6	.0178	.0374
#2	.9823	.0006	.0151	-.0009	596.3	.0203	.0391

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78841.**	**18050.**	**2022.1**	**3898.1**
Stddev	624.	92.	1.4	2.5
%RSD	.79173	.51092	.06901	.06489
#1	79282.	17985.	2023.0	3899.9
#2	78399.	18115.	2021.1	3896.3

Zoom In Zoom Out

Sample Name: jb68170-4ab Acquired: 6/4/2014 16:33:38 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0791**	**-.0003**	**-.0001**	**.0024**	**.0039**	**.0036**	**-.0000**	**.0054**	**.0027**
Stddev	.0028	.0000	.0001	.0002	.0005	.0004	.0001	.0005	.0002
%RSD	3.557	12.91	78.86	8.045	12.43	10.31	163.2	9.407	8.523
#1	.0811	-.0002	-.0001	.0023	.0043	.0038	-.0001	.0051	.0029
#2	.0771	-.0003	-.0000	.0025	.0036	.0033	.0000	.0058	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0225**	**-.0046**	**.0100**	**-.0077**	**-.0083**	**.0046**	**.0081**	**.6242**	**661.0**
Stddev	.0001	.0006	.0002	.0002	.0022	.0018	.0003	.0188	43.0
%RSD	.5782	12.05	1.595	3.054	26.00	37.90	4.241	3.015	6.498
#1	.0224	-.0050	.0099	-.0079	-.0099	.0034	.0079	.6375	691.4
#2	.0225	-.0042	.0101	-.0076	-.0068	.0059	.0084	.6109	630.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0561**	**2.312**	**8.225**	**151.7**	**.2357**	**.0395**	**.0340**	**8.155**	**-.0018**
Stddev	.0001	.074	.244	5.7	.0010	.0003	.0027	.020	.0005
%RSD	.2415	3.186	2.968	3.733	.4421	.6698	8.021	.2499	25.60
#1	.0562	2.364	8.398	155.7	.2364	.0397	.0359	8.170	-.0015
#2	.0560	2.260	8.053	147.7	.2349	.0393	.0320	8.141	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7726**	**.0006**	**.0132**	**-.0004**	**634.4**	**.0198**	**.0519**
Stddev	.0281	.0006	.0007	.0001	1.4	.0025	.0015
%RSD	3.636	111.2	5.397	36.56	.2156	12.86	2.930
#1	.7924	.0001	.0137	-.0004	635.4	.0216	.0530
#2	.7527	.0010	.0127	-.0003	633.4	.0180	.0509

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77810.**	**17264.**	**2014.6**	**3878.8**
Stddev	449.	559.	10.6	23.8
%RSD	.57682	3.2375	.52383	.61489
#1	77493.	16869.	2007.2	3862.0
#2	78127.	17659.	2022.1	3895.7

Zoom In Zoom Out

Sample Name: mp79845-mb1 2 Acquired: 6/4/2014 16:36:52 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.0027**	**-.0002**	**.0001**	**-.0001**	**.0013**	**-.0006**	**.0007**	**.0021**	**.0008**
Stddev	.0004	.0000	.0002	.0002	.0002	.0000	.0001	.0006	.0003
%RSD	13.35	8.222	199.8	162.6	14.57	1.505	9.950	29.18	34.32
#1	.0030	-.0002	-.0000	.0000	.0012	-.0006	.0008	.0017	.0010
#2	.0025	-.0002	.0002	-.0002	.0014	-.0006	.0007	.0025	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0073**	**-.0016**	**-.0012**	**.0010**	**.0001**	**.0010**	**.0026**	**.3269**
Stddev	.0004	.0001	.0004	.0002	.0001	.0004	.0012	.0092	.0502
%RSD	472.3	.7904	23.00	18.46	6.244	338.0	122.6	353.5	15.36
#1	-.0004	.0073	-.0018	-.0014	.0010	-.0002	.0001	-.0039	.3624
#2	.0002	.0073	-.0013	-.0011	.0010	.0004	.0018	.0091	.2914

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0707**	**.0234**	**-.0477**	**.2287**	**.0006**	**.0003**	**-.0005**	**.0361**	**.0353**
Stddev	.0004	.0018	.0105	.0080	.0005	.0004	.0013	.0003	.0009
%RSD	.6044	7.700	22.03	3.483	90.59	105.0	270.8	.7334	2.535
#1	.0704	.0247	-.0403	.2343	.0009	.0006	.0004	.0363	.0359
#2	.0710	.0222	-.0551	.2231	.0002	.0001	-.0014	.0359	.0347

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0008**	**.0011**	**-.0018**	**.0001**	**.1239**	**-.0007**	**.0027**
Stddev	.0001	.0003	.0005	.0001	.0210	.0021	.0007
%RSD	10.62	26.71	25.91	100.3	16.93	277.8	26.15
#1	.0008	.0009	-.0022	.0002	.1387	.0007	.0032
#2	.0007	.0013	-.0015	.0000	.1091	-.0022	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89715.**	**18422.**	**2320.6**	**4878.8**
Stddev	55.	511.	5.7	6.7
%RSD	.06077	2.7714	.24518	.13661
#1	89753.	18061.	2324.7	4883.5
#2	89676.	18783.	2316.6	4874.1

Zoom In Zoom Out

Sample Name: mp79845-b1 Acquired: 6/4/2014 16:40:03 Type: Unk
Method: Accutest 2(v53) Mode: 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	**3.974**	**.1009**	**.0910**	**.9694**	**.4069**	**.4819**	**1.009**	**.9766**	**.1016**
Stddev	.050	.0010	.0012	.0083	.0001	.0011	.002	.0094	.0001
%RSD	1.245	1.013	1.269	.8586	.0229	.2194	.1640	.9575	.1429
#1	4.009	.1016	.0918	.9753	.4068	.4812	1.007	.9832	.1017
#2	3.939	.1002	.0902	.9635	.4070	.4827	1.010	.9700	.1015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9331**	**.9981**	**3.815**	**3.942**	**.9771**	**3.647**	**.9538**	**50.93**	**11.95**
Stddev	.0009	.0119	.037	.036	.0121	.032	.0103	.63	.13
%RSD	.0950	1.188	.9704	.9254	1.236	.8897	1.083	1.240	1.082
#1	.9325	1.006	3.841	3.967	.9857	3.670	.9611	51.37	12.04
#2	.9338	.9897	3.789	3.916	.9686	3.624	.9465	50.48	11.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.91**	**12.13**	**11.94**	**12.70**	**-.0000**	**.0023**	**.0059**	**.0563**	**.0336**
Stddev	.46	.04	.20	.16	.0006	.0001	.0000	.0009	.0003
%RSD	.9432	.3546	1.666	1.252	1821.	2.329	.5259	1.666	.9532
#1	49.24	12.16	12.08	12.81	-.0004	.0023	.0060	.0570	.0338
#2	48.59	12.10	11.80	12.59	.0004	.0024	.0059	.0557	.0334

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0025**	**.0138**	**-.0000**	**.0657**	**.0059**	**.0013**
Stddev	.0001	.0005	.0007	.0001	.0044	.0003	.0001
%RSD	23.55	21.15	4.842	2480.	6.735	4.315	9.459
#1	.0004	.0029	.0133	-.0001	.0688	.0057	.0012
#2	.0003	.0021	.0143	.0001	.0625	.0060	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85452.**	**18252.**	**2265.5**	**4591.6**
Stddev	578.	239.	14.6	25.6
%RSD	.67659	1.3120	.64336	.55673
#1	85043.	18083.	2255.2	4573.5
#2	85860.	18421.	2275.9	4609.7

Zoom In Zoom Out

Sample Name: mp79845-s1 Acquired: 6/4/2014 16:43:02 Type: Unk
Method: Accutest 2(v53) Mode: 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	**4.160**	**.0984**	**.0862**	**.9710**	**.5545**	**.5451**	**3.054**	**1.026**	**.0992**
Stddev	.018	.0007	.0006	.0057	.0000	.0010	.002	.004	.0008
%RSD	.4360	.6669	.6811	.5846	.0084	.1802	.0588	.4073	.7819
#1	4.173	.0988	.0866	.9750	.5545	.5444	3.055	1.029	.0998
#2	4.147	.0979	.0858	.9670	.5544	.5458	3.053	1.023	.0987

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.115**	**1.266**	**3.577**	**3.688**	**1.089**	**3.353**	**.5191**	**187.8**	**24.02**
Stddev	.001	.009	.012	.023	.004	.011	.0022	.7	.15
%RSD	.0915	.6905	.3226	.6164	.3925	.3250	.4240	.3630	.6370
#1	1.114	1.272	3.585	3.704	1.092	3.361	.5207	188.3	24.13
#2	1.116	1.260	3.569	3.672	1.086	3.345	.5176	187.3	23.91

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**206.9**	**26.78**	**21.18**	**12.00**	**.0528**	**.0077**	**.0091**	**5.033**	**.0300**
Stddev	1.3	.23	.11	.05	.0010	.0004	.0007	.022	.0005
%RSD	.6084	.8538	.5330	.4218	1.949	5.300	7.579	.4406	1.768
#1	207.8	26.94	21.26	12.03	.0535	.0074	.0096	5.048	.0296
#2	206.1	26.62	21.10	11.96	.0521	.0080	.0086	5.017	.0303

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0854**	**2.635**	**.0215**	**.0295**	**1.651**	**.0796**	**.1068**
Stddev	.0006	.004	.0012	.0000	.005	.0015	.0020
%RSD	.6503	.1388	5.570	.1657	.3103	1.946	1.894
#1	.0858	2.637	.0207	.0296	1.655	.0785	.1083
#2	.0850	2.632	.0224	.0295	1.648	.0807	.1054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87892.**	**19551.**	**2345.5**	**4465.6**
Stddev	91.	195.	.7	.6
%RSD	.10337	.99951	.03196	.01280
#1	87828.	19412.	2346.0	4466.0
#2	87956.	19689.	2345.0	4465.2

Zoom In Zoom Out

Sample Name: mp79845-s2 Acquired: 6/4/2014 16:46:00 Type: Unk
Method: Accutest 2(v53) Mode: 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	**4.186**	**.0982**	**.0847**	**.9617**	**.5666**	**.5337**	**3.104**	**1.014**	**.0999**
Stddev	.034	.0007	.0004	.0085	.0003	.0039	.011	.011	.0004
%RSD	.8116	.6698	.4488	.8833	.0469	.7358	.3555	1.114	.3753
#1	4.210	.0986	.0850	.9677	.5668	.5364	3.112	1.022	.0996
#2	4.162	.0977	.0844	.9557	.5664	.5309	3.097	1.006	.1001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.112**	**1.223**	**3.554**	**3.653**	**1.082**	**3.322**	**.5294**	**188.3**	**23.30**
Stddev	.004	.013	.024	.029	.008	.027	.0058	1.5	.20
%RSD	.3354	1.024	.6697	.7932	.7721	.8243	1.092	.8027	.8755
#1	1.115	1.232	3.571	3.673	1.088	3.341	.5335	189.3	23.44
#2	1.109	1.215	3.537	3.632	1.076	3.303	.5254	187.2	23.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**214.1**	**25.61**	**21.37**	**11.92**	**.0536**	**.0081**	**.0092**	**5.191**	**.0275**
Stddev	1.6	.28	.20	.08	.0005	.0002	.0012	.045	.0026
%RSD	.7446	1.093	.9440	.6298	.9446	2.410	13.32	.8703	9.541
#1	215.3	25.81	21.51	11.97	.0533	.0082	.0084	5.223	.0294
#2	213.0	25.41	21.23	11.87	.0540	.0079	.0101	5.159	.0256

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0804**	**2.595**	**.0134**	**.0242**	**1.782**	**.0760**	**.1040**
Stddev	.0006	.005	.0024	.0006	.015	.0005	.0008
%RSD	.7444	.1817	17.69	2.477	.8226	.6334	.8114
#1	.0809	2.599	.0150	.0246	1.793	.0764	.1046
#2	.0800	2.592	.0117	.0238	1.772	.0757	.1034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87482.**	**19425.**	**2350.9**	**4469.9**
Stddev	54.	217.	8.8	21.2
%RSD	.06162	1.1192	.37470	.47512
#1	87444.	19272.	2344.6	4454.9
#2	87521.	19579.	2357.1	4484.9

Zoom In Zoom Out

Sample Name: jb68058-4 Acquired: 6/4/2014 16:48:57 Type: Unk
Method: Accutest 2(v53) Mode: 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	**.5609**	**.0065**	**.0019**	**.0433**	**.1821**	**.1062**	**2.159**	**.0954**	**.0064**
Stddev	.0060	.0000	.0001	.0002	.0008	.0003	.011	.0002	.0005
%RSD	1.065	.5564	4.104	.5001	.4185	.3140	.5025	.2250	7.333
#1	.5651	.0064	.0019	.0431	.1827	.1064	2.166	.0955	.0067
#2	.5567	.0065	.0018	.0434	.1816	.1059	2.151	.0952	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2547**	**.3686**	**.0778**	**.0007**	**.1624**	**.0049**	**-.0022**	**127.9**	**13.76**
Stddev	.0001	.0011	.0029	.0006	.0023	.0032	.0009	1.3	.15
%RSD	.0393	.2917	3.672	85.93	1.432	65.64	40.85	1.028	1.121
#1	.2547	.3694	.0798	.0012	.1641	.0072	-.0029	128.9	13.87
#2	.2546	.3679	.0757	.0003	.1608	.0026	-.0016	127.0	13.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**152.1**	**15.68**	**8.910**	**.6560**	**.0443**	**.0059**	**.0015**	**6.254**	**.0316**
Stddev	1.4	.23	.147	.0123	.0005	.0000	.0010	.023	.0001
%RSD	.9317	1.486	1.646	1.880	1.136	.2793	66.59	.3717	.4014
#1	153.1	15.84	9.014	.6647	.0447	.0059	.0008	6.270	.0317
#2	151.1	15.52	8.807	.6473	.0440	.0059	.0022	6.237	.0316

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0844**	**2.721**	**.0048**	**.0268**	**1.313**	**.0716**	**.0983**
Stddev	.0008	.014	.0013	.0004	.000	.0014	.0011
%RSD	.9965	.5285	26.16	1.584	.0102	1.927	1.151
#1	.0850	2.732	.0039	.0271	1.313	.0706	.0991
#2	.0838	2.711	.0057	.0265	1.313	.0725	.0975

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88090.**	**19376.**	**2360.2**	**4520.3**
Stddev	57.	164.	2.8	4.5
%RSD	.06492	.84611	.11838	.09887
#1	88131.	19260.	2358.3	4517.1
#2	88050.	19492.	2362.2	4523.4

Zoom In Zoom Out

Sample Name: mp79845-sd1 Acquired: 6/4/2014 16:52:00 Type: Unk
Method: Accutest 2(v53) 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	**.5850**	**.0063**	**.0026**	**.0433**	**.1887**	**.1029**	**2.242**	**.0949**	**.0110**
Stddev	.0017	.0000	.0019	.0001	.0014	.0050	.001	.0008	.0012
%RSD	.2853	.6746	74.44	.2593	.7236	4.862	.0288	.8354	10.67
#1	.5862	.0064	.0012	.0433	.1897	.1065	2.242	.0943	.0102
#2	.5839	.0063	.0040	.0432	.1877	.0994	2.241	.0955	.0119

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2596**	**.3932**	**.0790**	**.0019**	**.1659**	**-.0013**	**-.0012**	**132.3**	**14.54**
Stddev	.0006	.0002	.0023	.0068	.0018	.0026	.0031	.4	.06
%RSD	.2440	.0447	2.879	365.9	1.071	206.5	255.5	.2655	.4091
#1	.2591	.3931	.0806	-.0030	.1647	-.0032	.0010	132.5	14.58
#2	.2600	.3934	.0774	.0067	.1672	.0006	-.0034	132.0	14.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**160.5**	**16.58**	**8.723**	**.9307**	**.0460**	**.0052**	**-.0046**	**6.606**	**.0322**
Stddev	.1	.10	.030	.0139	.0008	.0006	.0080	.024	.0024
%RSD	.0808	.6159	.3501	1.496	1.720	11.71	174.6	.3574	7.363
#1	160.6	16.51	8.701	.9208	.0454	.0048	-.0103	6.590	.0339
#2	160.5	16.65	8.744	.9405	.0466	.0057	.0011	6.623	.0305

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0882**	**2.780**	**-.0147**	**.0256**	**1.478**	**.0754**	**.1159**
Stddev	.0005	.012	.0017	.0004	.003	.0030	.0023
%RSD	.5483	.4391	11.34	1.548	.1876	3.979	1.982
#1	.0878	2.789	-.0135	.0259	1.480	.0775	.1143
#2	.0885	2.772	-.0158	.0254	1.476	.0732	.1175

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87087.**	**18309.**	**2304.7**	**4684.2**
Stddev	26.	148.	1.1	2.4
%RSD	.02941	.80603	.04771	.05044
#1	87105.	18205.	2305.5	4682.5
#2	87069.	18413.	2304.0	4685.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 16:55:07 Type: QC
Method: Accutest 2(v53) Mode: 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**	**2.009**	**1.979**	**2.036**	**2.071**	**1.994**	**2.072**	**2.021**	**.2473**
Stddev	.004	.001	.009	.007	.009	.006	.005	.005	.0005
%RSD	.1722	.0600	.4681	.3381	.4231	.2909	.2230	.2343	.1915
#1	2.013	2.009	1.986	2.040	2.065	1.989	2.069	2.025	.2470
#2	2.008	2.010	1.973	2.031	2.078	1.998	2.075	2.018	.2476
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	**2.030**	**2.059**	**2.023**	**2.043**	**2.059**	**2.010**	**2.033**	**39.37**	**38.79**
Stddev	.004	.010	.008	.003	.006	.001	.006	.03	.13
%RSD	.1964	.4854	.4101	.1510	.2996	.0628	.3033	.0649	.3326
#1	2.027	2.066	2.029	2.045	2.063	2.009	2.037	39.39	38.88
#2	2.033	2.052	2.017	2.040	2.055	2.011	2.028	39.36	38.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.37**	**39.18**	**40.08**	**40.95**	**2.053**	**2.025**	**2.000**	**5.041**	**2.071**
Stddev	.07	.01	.27	.20	.006	.009	.009	.022	.012
%RSD	.1859	.0216	.6692	.4918	.2802	.4521	.4526	.4279	.5881
#1	38.32	39.17	40.27	41.09	2.057	2.032	1.994	5.056	2.079
#2	38.42	39.18	39.89	40.80	2.048	2.019	2.007	5.026	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: 6/4/2014 16:55:07 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.023**	**1.979**	**2.055**	**2.003**	**2.042**	**2.061**
Stddev	.000	.005	.010	.006	.014	.009	.007
%RSD	.0121	.2724	.5021	.2814	.6810	.4490	.3345
#1	2.015	2.019	1.986	2.051	2.013	2.048	2.066
#2	2.015	2.027	1.972	2.059	1.993	2.035	2.057
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	**82327.**	**17870.**	**2189.4**	**4350.5**
Stddev	38.	1.	5.8	5.4
%RSD	.04570	.00810	.26480	.12300
#1	82354.	17869.	2185.3	4346.7
#2	82301.	17871.	2193.5	4354.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 16:58:03 Type: QC
Method: Accutest 2(v53) Mode: 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**	**-.0004**	**.0001**	**-.0003**	**.0001**	**-.0002**	**.0000**
Stddev	.0001	.0000	.0000	.0002	.0005	.0006	.0001	.0002	.0000
%RSD	27.84	13.06	49.03	46.25	407.9	212.1	102.4	121.2	155.8
#1	.0004	.0001	-.0000	-.0003	.0004	-.0007	.0002	-.0003	-.0000
#2	.0002	.0001	-.0001	-.0005	-.0002	.0001	.0000	-.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	**-.0002**	**.0002**	**.0006**	**-.0000**	**.0009**	**.0013**	**.0017**	**-.0078**	**.0027**
Stddev	.0001	.0002	.0008	.0003	.0019	.0009	.0000	.0005	.0033
%RSD	51.59	75.31	127.6	1013.	216.7	68.54	2.764	5.843	124.7
#1	-.0002	.0003	.0001	.0002	-.0005	.0007	.0017	-.0081	.0003
#2	-.0001	.0001	.0012	-.0002	.0022	.0019	.0016	-.0075	.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	**.0059**	**-.0078**	**-.0649**	**.0657**	**.0022**	**.0004**	**.0000**	**.0007**	**.0006**
Stddev	.0015	.0297	.0350	.0134	.0003	.0001	.0004	.0012	.0002
%RSD	24.70	381.8	53.86	20.39	11.65	13.60	3494.	154.4	33.16
#1	.0049	.0132	-.0402	.0563	.0024	.0005	.0003	.0016	.0008
#2	.0069	-.0287	-.0897	.0752	.0020	.0004	-.0003	-.0001	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 16:58:03 Type: QC
Method: Accutest 2(v53) 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**	F **.0122**	**.0005**	**.0147**	**-.0007**	**.0027**
Stddev	.0000	.0002	.0007	.0002	.0018	.0015	.0002
%RSD	9.447	67.81	5.849	30.46	12.15	195.3	5.621
#1	.0002	-.0004	.0127	.0006	.0134	.0003	.0028
#2	.0002	-.0001	.0117	.0004	.0160	-.0018	.0026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86158.**	**17937.**	**2272.6**	**4779.8**
Stddev	66.	45.	4.1	13.7
%RSD	.07681	.24993	.17954	.28703
#1	86205.	17906.	2275.5	4789.5
#2	86111.	17969.	2269.7	4770.1

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 17:01:15 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0021**	**.0033**	**.0511**	**.0107**	**.0091**	**.0160**	**.0100**	**.0047**
Stddev	.0029	.0000	.0002	.0005	.0003	.0001	.0002	.0001	.0003
%RSD	1.377	1.128	5.101	1.006	2.434	1.590	1.019	.9498	6.961
#1	.2099	.0021	.0034	.0515	.0108	.0092	.0159	.0100	.0045
#2	.2059	.0020	.0031	.0507	.0105	.0090	.0161	.0101	.0050
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	**.0509**	**.0225**	**.0094**	**.0128**	**.0027**	F **.0142**	**.0054**	**.1962**	**5.011**
Stddev	.0004	.0002	.0005	.0006	.0003	.0010	.0007	.0055	.029
%RSD	.6935	.6804	5.510	4.824	12.83	6.961	13.16	2.802	.5805
#1	.0511	.0226	.0097	.0132	.0029	.0135	.0060	.1923	5.031
#2	.0506	.0224	.0090	.0123	.0024	.0149	.0049	.2001	4.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0100			
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	**.1012**	**5.149**	**5.157**	**5.250**	**.1052**	**.0205**	**.0550**	**.2101**	**.0100**
Stddev	.0030	.017	.069	.067	.0009	.0001	.0012	.0005	.0010
%RSD	2.929	.3290	1.336	1.275	.8611	.3589	2.134	.2303	9.933
#1	.1033	5.161	5.206	5.297	.1059	.0204	.0542	.2105	.0093
#2	.0991	5.137	5.109	5.202	.1046	.0205	.0559	.2098	.0107
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: 6/4/2014 17:01:15 Type: QC
Method: Accutest 2(v53) 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**	**.0101**	F **.0077**	**.0104**	**.0598**	**.0218**	**.0243**
Stddev	.0000	.0002	.0008	.0002	.0001	.0012	.0006
%RSD	.0612	1.795	11.00	2.197	.1693	5.667	2.673
#1	.0107	.0102	.0071	.0106	.0599	.0227	.0238
#2	.0107	.0099	.0083	.0102	.0598	.0209	.0247
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	**85686.**	**17803.**	**2260.4**	**4691.9**
Stddev	391.	60.	2.8	7.4
%RSD	.45676	.33787	.12527	.15745
#1	85962.	17761.	2258.4	4686.7
#2	85409.	17846.	2262.4	4697.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 17:04:24 Type: QC
Method: Accutest 2(v53) 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	**.0047**	**.0011**	**.0012**	**.0031**	**.0020**	F **.0013**	**.0034**	**.0045**
Stddev	.0000	.0000	.0001	.0000	.0004	.0001	.0000	.0001
%RSD	.2522	3.915	11.11	.3714	20.06	4.393	1.406	2.547
#1	.0047	.0011	.0011	.0031	.0017	.0012	.0033	.0045
#2	.0047	.0011	.0013	.0031	.0023	.0013	.0034	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**.0012**	**.0019**	**.0124**	**.0031**	**.0020**	**.0026**	**.0049**	F **.0045**
Stddev	.0009	.0002	.0001	.0014	.0014	.0006	.0008	.0001
%RSD	81.45	11.75	.6511	45.11	69.37	20.96	16.06	3.365
#1	.0005	.0021	.0125	.0041	.0030	.0022	.0043	.0046
#2	.0018	.0018	.0123	.0021	.0010	.0030	.0054	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value								.0030
Range								30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.4772**	F **1.324**	**.1507**	F **.5056**	**2.008**	**1.117**	**.0105**	**-.0001**
Stddev	.0135	.002	.0048	.0147	.030	.003	.0003	.0000
%RSD	2.837	.1535	3.194	2.904	1.473	.2756	3.036	23.21
#1	.4676	1.325	.1473	.5160	2.029	1.120	.0107	-.0002
#2	.4867	1.322	.1541	.4952	1.987	1.115	.0103	-.0001
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value	.1000	1.000		.1000				
Range	30.00%	30.00%		30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 17:04:24 Type: QC
Method: Accutest 2(v53) 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**	**.0027**	**-.0001**	**.0001**	**-.0005**	F **-.0007**	F **.0001**	F **.0134**
Stddev	.0021	.0004	.0004	.0000	.0001	.0000	.0003	.0010
%RSD	1521.	13.33	307.7	20.03	19.57	.2454	329.5	7.374
#1	-.0013	.0024	.0002	.0001	-.0006	-.0007	-.0001	.0141
#2	.0016	.0029	-.0005	.0001	-.0005	-.0007	.0003	.0127
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 **-.0012**	F **.0024**
Stddev	.0016	.0014
%RSD	134.3	59.48
#1	-.0024	.0035
#2	-.0001	.0014
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	**86261.**	**17891.**	**2268.4**	**4746.6**
Stddev	32.	10.	1.9	6.3
%RSD	.03749	.05568	.08248	.13240
#1	86238.	17898.	2267.1	4742.2
#2	86283.	17884.	2269.7	4751.0

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 17:07:34 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**-.0001**	**-.0001**	**-.0004**	**-.0010**	**-.0000**	**-.0008**	**.0002**
Stddev	.0000	.0001	.0003	.0001	.0003	.0008	.0000	.0001	.0005
%RSD	6.315	47.65	482.2	122.7	93.45	80.03	38.43	10.02	251.2
#1	.0003	-.0002	-.0003	-.0002	-.0001	-.0016	-.0000	-.0008	.0005
#2	.0003	-.0001	.0001	-.0000	-.0006	-.0004	-.0000	-.0007	-.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	**-.0000**	**.0004**	**.0210**	**.0011**	**.0192**	**.0196**	**.0219**	**.4860**	**-.0036**
Stddev	.0003	.0001	.0003	.0012	.0008	.0024	.0000	.0008	.0026
%RSD	876.1	24.55	1.303	102.6	4.325	12.08	.0847	.1687	73.12
#1	-.0002	.0003	.0208	.0003	.0186	.0179	.0219	.4865	-.0055
#2	.0002	.0005	.0212	.0020	.0198	.0213	.0219	.4854	-.0017
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	**.5054**	**-.0213**	**-.0662**	**.0571**	**-.0003**	**-.0002**	**-.0013**	**.0012**	**-.0000**
Stddev	.0024	.0098	.0056	.0140	.0006	.0001	.0014	.0006	.0007
%RSD	.4847	46.10	8.422	24.57	218.4	64.83	107.1	51.36	2905.
#1	.5071	-.0283	-.0701	.0472	-.0007	-.0001	-.0023	.0008	.0004
#2	.5037	-.0144	-.0622	.0670	.0001	-.0003	-.0003	.0017	-.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 17:07:34 Type: QC
Method: Accutest 2(v53) 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**	**-.0015**	**-.0001**	**.0123**	**.0008**	**.0027**
Stddev	.0000	.0002	.0010	.0003	.0001	.0000	.0000
%RSD	11.00	59.55	66.21	193.4	1.203	4.966	.4123
#1	.0001	-.0005	-.0022	.0000	.0124	.0008	.0027
#2	.0001	-.0002	-.0008	-.0003	.0122	.0008	.0027
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	**86600.**	**17932.**	**2269.4**	**4764.5**
Stddev	577.	107.	1.2	3.6
%RSD	.66670	.59896	.05240	.07535
#1	87008.	17856.	2268.6	4762.0
#2	86192.	18008.	2270.3	4767.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/4/2014 17:10:45 Type: QC
Method: Accutest 2(v53) Mode: 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**	**-.0002**	**.0011**	**-.0008**	**-.0002**	**.0071**	**-.0013**	**.0013**	**-.0024**
Stddev	.0003	.0001	.0004	.0001	.0002	.0005	.0000	.0003	.0018
%RSD	29.18	44.24	34.88	12.85	91.32	7.557	.5070	24.74	76.89
#1	-.0012	-.0002	.0014	-.0007	-.0003	.0075	-.0013	.0011	-.0011
#2	-.0008	-.0001	.0008	-.0009	-.0001	.0067	-.0013	.0016	-.0037
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	**.0013**	**-.0087**	**-.0047**	**-.0001**	**.0024**	**-.0067**	**-.0015**	**499.0**	**371.6**
Stddev	.0002	.0002	.0022	.0014	.0015	.0025	.0032	2.5	4.4
%RSD	13.06	1.896	46.14	939.2	62.98	36.99	219.1	.4938	1.173
#1	.0014	-.0088	-.0062	.0008	.0013	-.0049	.0008	500.8	374.6
#2	.0012	-.0086	-.0032	-.0011	.0035	-.0084	-.0037	497.3	368.5
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	**185.8**	**505.0**	**.0449**	**.0572**	**-.0063**	**-.0006**	**.0208**	**-.0209**	**-.0022**
Stddev	1.3	4.0	.0072	.0119	.0014	.0006	.0002	.0024	.0000
%RSD	.6923	.7882	15.96	20.87	21.78	98.52	.8438	11.69	.2645
#1	186.7	507.8	.0500	.0488	-.0073	-.0002	.0206	-.0226	-.0022
#2	184.8	502.2	.0398	.0656	-.0054	-.0010	.0209	-.0192	-.0022
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: 6/4/2014 17:10:45 Type: QC
Method: Accutest 2(v53) 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	**-.0047**	**.0007**	**-.0012**	**-.0022**	**.0086**	**.0242**	**.0083**
Stddev	.0000	.0003	.0023	.0000	.0028	.0022	.0006
%RSD	.0552	45.78	198.4	2.168	32.89	9.302	6.730
#1	-.0047	.0010	.0005	-.0021	.0066	.0226	.0079
#2	-.0047	.0005	-.0028	-.0022	.0106	.0258	.0087
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	**74666.**	**17352.**	**1997.9**	**3874.8**
Stddev	320.	31.	1.8	1.8
%RSD	.42861	.17985	.08946	.04631
#1	74892.	17374.	1999.2	3873.6
#2	74439.	17330.	1996.7	3876.1

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/4/2014 17:14:01 Type: QC
Method: Accutest 2(v53) Mode: 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	**.5002**	**.4937**	**.9990**	**.4923**	**.5019**	**.5320**	**.5101**	**.9742**	**1.035**
Stddev	.0026	.0031	.0040	.0003	.0025	.0009	.0013	.0018	.005
%RSD	.5191	.6250	.4023	.0644	.4912	.1694	.2569	.1863	.4688
#1	.5020	.4959	.9962	.4921	.5002	.5313	.5091	.9730	1.032
#2	.4983	.4915	1.002	.4925	.5037	.5326	.5110	.9755	1.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4832**	**.9679**	**1.086**	**.9491**	**.9797**	**1.047**	**1.054**	**493.3**	**370.9**
Stddev	.0029	.0000	.003	.0003	.0010	.005	.009	12.3	3.9
%RSD	.5943	.0027	.2615	.0325	.0999	.5107	.8359	2.492	1.046
#1	.4812	.9678	1.084	.9494	.9804	1.043	1.047	502.0	368.1
#2	.4853	.9679	1.088	.9489	.9790	1.051	1.060	484.6	373.6
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	**184.9**	**515.6**	**.0323**	**.0611**	**-.0018**	**.5054**	**.5582**	**-.0171**	**-.0026**
Stddev	.8	2.7	.0393	.0083	.0023	.0011	.0026	.0020	.0002
%RSD	.4282	.5192	121.6	13.65	125.5	.2225	.4733	11.95	7.289
#1	185.5	517.5	.0045	.0670	-.0034	.5046	.5564	-.0157	-.0024
#2	184.4	513.7	.0600	.0552	-.0002	.5062	.5601	-.0186	-.0027
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/4/2014 17:14:01 Type: QC
Method: Accutest 2(v53) 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	**-.0046**	**.0013**	**.5562**	**.5877**	**.5136**	**.5537**	**.5614**
Stddev	.0003	.0001	.0016	.0018	.0002	.0018	.0039
%RSD	7.351	11.04	.2882	.3063	.0481	.3305	.7027
#1	-.0043	.0012	.5551	.5864	.5137	.5524	.5642
#2	-.0048	.0014	.5573	.5889	.5134	.5550	.5586
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	**74506.**	**17387.**	**1994.8**	**3874.0**
Stddev	199.	14.	4.1	3.5
%RSD	.26753	.08171	.20543	.09026
#1	74647.	17397.	1997.7	3876.4
#2	74365.	17377.	1991.9	3871.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 17:17:11 Type: QC
Method: Accutest 2(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.006**	**1.978**	**2.041**	**2.082**	**1.996**	**2.073**	**2.025**	**.2474**
Stddev	.020	.016	.002	.002	.002	.005	.003	.002	.0017
%RSD	.9784	.8022	.0880	.0811	.1032	.2754	.1268	.0740	.6822
#1	2.020	2.018	1.977	2.040	2.084	2.000	2.075	2.024	.2486
#2	1.993	1.995	1.980	2.042	2.081	1.992	2.072	2.027	.2462
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	**2.032**	**2.061**	**2.032**	**2.048**	**2.065**	**2.016**	**2.041**	**39.30**	**38.80**
Stddev	.000	.001	.001	.009	.001	.000	.005	.32	.33
%RSD	.0168	.0566	.0448	.4390	.0333	.0053	.2303	.8108	.8500
#1	2.032	2.062	2.031	2.055	2.065	2.016	2.038	39.52	39.04
#2	2.033	2.060	2.032	2.042	2.064	2.016	2.045	39.07	38.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.33**	**39.27**	**40.19**	**41.04**	**2.057**	**2.030**	**2.006**	**5.038**	**2.077**
Stddev	.28	.23	.52	.41	.004	.004	.008	.011	.000
%RSD	.7249	.5834	1.296	1.007	.1786	.1708	.3822	.2082	.0100
#1	38.53	39.43	40.56	41.33	2.054	2.027	2.011	5.031	2.077
#2	38.13	39.11	39.82	40.75	2.059	2.032	2.000	5.046	2.077
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: 6/4/2014 17:17:11 Type: QC
Method: Accutest 2(v53) 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	**2.012**	**2.021**	**1.986**	**2.058**	**1.985**	**2.046**	**2.063**
Stddev	.020	.004	.007	.002	.002	.007	.022
%RSD	.9688	.1777	.3575	.0787	.1058	.3207	1.061
#1	2.025	2.024	1.980	2.057	1.983	2.042	2.079
#2	1.998	2.019	1.991	2.059	1.986	2.051	2.048
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	**81739.**	**17755.**	**2184.4**	**4330.9**
Stddev	169.	131.	6.7	8.2
%RSD	.20692	.73995	.30838	.19000
#1	81620.	17663.	2189.1	4336.8
#2	81859.	17848.	2179.6	4325.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 17:20:07 Type: QC
Method: Accutest 2(v53) Mode: 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**	**.0001**	**.0002**	**-.0003**	**-.0002**	**-.0007**	**.0001**	**-.0002**	**-.0003**
Stddev	.0001	.0000	.0000	.0004	.0002	.0008	.0000	.0002	.0003
%RSD	17.07	35.19	6.112	133.8	108.9	113.3	10.18	152.1	97.28
#1	.0008	.0001	.0002	-.0006	-.0004	-.0001	.0001	.0000	-.0001
#2	.0006	.0001	.0002	-.0000	-.0000	-.0013	.0001	-.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	**-.0001**	**.0000**	**.0008**	**.0006**	**.0000**	**.0011**	**.0009**	**-.0187**	**.0008**
Stddev	.0002	.0000	.0005	.0005	.0001	.0013	.0002	.0000	.0013
%RSD	309.3	74.99	55.39	93.31	428.3	121.9	26.19	.0454	171.7
#1	-.0002	.0001	.0005	.0002	-.0000	.0002	.0011	-.0187	.0017
#2	.0001	.0000	.0012	.0009	.0001	.0020	.0007	-.0187	-.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064**	**-.0077**	**-.0747**	**.0468**	**.0008**	**.0002**	**.0001**	**-.0006**	**-.0006**
Stddev	.0062	.0138	.0151	.0035	.0004	.0001	.0000	.0003	.0004
%RSD	97.21	180.6	20.23	7.515	43.20	46.34	12.51	43.46	62.15
#1	.0020	.0021	-.0854	.0493	.0006	.0001	.0001	-.0008	-.0009
#2	.0108	-.0174	-.0641	.0443	.0011	.0002	.0001	-.0004	-.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: 6/4/2014 17:20:07 Type: QC
Method: Accutest 2(v53) 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 .0126**	**.0005**	**.0106**	**-.0005**	**.0029**
Stddev	.0001	.0002	.0005	.0000	.0006	.0012	.0003
%RSD	32.38	41.73	3.945	6.503	5.505	225.8	9.205
#1	.0002	-.0004	.0123	.0005	.0110	-.0014	.0027
#2	.0003	-.0007	.0130	.0005	.0102	.0003	.0031
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86370.**	**17873.**	**2266.4**	**4762.3**
Stddev	249.	189.	5.5	7.1
%RSD	.28858	1.0561	.24447	.14892
#1	86546.	17740.	2270.4	4767.3
#2	86194.	18007.	2262.5	4757.2

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	0.000070	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.001232	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	0.005380	0.000000	No
			Ni	-0.000584	0.000000	No
			Fe	0.000010	0.000000	No
			V	-0.000139	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
			W	-0.001300	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001801	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001860	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	0.000000	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	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	0.000100	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	☒	19	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No
			Fe	-0.000150	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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	-0.000003	0.000000	No
Mn 257.610 {131}	☒	8	Fe	-0.000085	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000020	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	0.000006	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	0.001333	0.000000	No
Ag 328.068 {103}	☒	15	Mn	-0.000319	0.000000	No
			Mo	0.000006	0.000000	No
			Ti	-0.000811	0.000000	No
			Fe	-0.000683	0.000000	No
			V	-0.000600	0.000000	No
			Zn	-0.000015	0.000000	No
			Ca	-0.000004	0.000000	No
			Al	-0.000002	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	0.000004	0.000000	No
			Ba	-0.000250	0.000000	No
			Cr	0.000026	0.000000	No
			Si	-0.000009	0.000000	No
			Zr	0.003700	0.000000	No
			W	0.000000	0.000000	No
V 292.402 {115}	☒	6	Ti	0.000200	0.000000	No
			Mo	-0.012500	0.000000	No
			Fe	0.000011	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003150	0.000000	No
			Mn	-0.001123	0.000000	No
Zn 206.200 {464}	☒	16	Cr	-0.001370	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	0.000014	0.000000	No
			Al	0.000009	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	-0.000035	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000010	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000056	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	0.000010	0.000000	No
As 189.042 {478}	☒	24	Al	0.000010	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	-0.000005	0.000000	No
			Mo	0.003300	0.000000	No
			Cr	0.001530	0.000000	No
			V	0.000070	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	0.000085	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000002	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000020	0.000000	No
			Sr	0.000010	0.000000	No
			Pd	0.026000	0.000000	No
			Zr	-0.002220	0.000000	No
			Ti	0.000100	0.000000	No
			S	0.000010	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000440	0.000000	No
			Mo	-0.010400	0.000000	No
			Al	0.000009	0.000000	No
			Fe	-0.000078	0.000000	No
			V	-0.019000	0.000000	No
			Mn	0.001460	0.000000	No
			Si	-0.000065	0.000000	No
			Ca	0.000000	0.000000	No
			Ti	-0.003300	0.000000	No
			Mg	0.000001	0.000000	No
			Co	0.002336	0.000000	No
			Sr	-0.000238	0.000000	No
			B	0.000249	0.000000	No
			Ba	-0.000114	0.000000	No
			Zn	0.000090	0.000000	No
			As	0.000255	0.000000	No
			Ni	0.000143	0.000000	No
			Cu	0.000416	0.000000	No
			Zr	0.000067	0.000000	No
			Pd	0.000051	0.000000	No
			Pb	-0.000070	0.000000	No
			S	0.000010	0.000000	No
			W	0.000000	0.000000	No
			Na	-0.000001	0.000000	No
			K	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Sn	0.002000	0.000000	No
Pb 220.353 {453}	☒	23	Al	-0.000127	0.000000	No
			Fe	0.000050	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000003	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.002050	0.000000	No
			Cu	-0.000096	0.000000	No
			V	-0.000038	0.000000	No
			Co	-0.000447	0.000000	No
			Ti	-0.000200	0.000000	No
			Si	0.000187	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	-0.000200	0.000000	No
			Sr	-0.000043	0.000000	No
			W	0.012300	0.000000	No
			Mg	0.000000	0.000000	No
			Cd	-0.000018	0.000000	No
			Cr	0.000042	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	-0.000064	0.000000	No
Se 196.090 {472}	☒	23	Al	-0.000028	0.000000	No
			Ca	0.000001	0.000000	No
			Mn	0.000380	0.000000	No
			Mo	0.000281	0.000000	No
			Fe	-0.000225	0.000000	No
			Co	0.000055	0.000000	No
			V	0.000010	0.000000	No
			Sr	-0.000258	0.000000	No
			Cu	-0.000007	0.000000	No
			W	0.000000	0.000000	No
			Si	-0.000189	0.000000	No
			Tl	0.000180	0.000000	No
			Be	-0.000143	0.000000	No
			Zn	-0.000250	0.000000	No
			B	-0.000141	0.000000	No
			Pd	0.000300	0.000000	No
			Ti	0.000200	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000198	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
Sb 206.833 {463}	☒	14	Fe	0.000035	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000015	0.000000	No
			Ni	-0.000057	0.000000	No
			Cr	0.021380	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.001140	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.044500	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	0.000000	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	-0.025000	0.000000	No
			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	0.000300	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	0.005000	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	0.031698	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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	-0.000087	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.087800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000076	0.000000	No
			S	-0.000022	0.000000	No
			Si	0.000160	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	0.003500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000100	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.000560	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.000600	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
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	-0.000200	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	0.012000	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

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				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}	☒	6	Mo	0.000250	0.000000	No
				Ti	0.000090	0.000000	No
				Fe	-0.000060	0.000000	No
				Si	0.000177	0.000000	No
				S	-0.000001	0.000000	No
				Pd	0.000000	0.000000	No
	S 182.034 {485}	☒	7	Ca	0.000115	0.000000	No
				Mo	0.001114	0.000000	No
				Al	-0.000005	0.000000	No
				Fe	0.000007	0.000000	No
				Mn	0.002300	0.000000	No
				W	-0.027000	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	-0.000038	0.000000	No
				Mg	0.000018	0.000000	No
				W	-0.002000	0.000000	No
				Cu	-0.000858	0.000000	No
				Fe	0.000065	0.000000	No
				Cr	0.001500	0.000000	No
				Ti	-0.027300	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}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.007409	1.422811	0.000000	1.000000
Be 313.042 {108}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000011	1.345902	0.000000	1.000000
Cd 228.802 {448}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000473	0.787730	0.000000	1.000000
Co 228.616 {448}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000112	0.458399	0.000000	1.000000
Cr 267.716 {126}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000020	0.084646	0.000000	1.000000
Cu 324.754 {104}2	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.004939	0.168847	0.000000	1.000000
Mn 257.610 {131}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000014	0.487694	0.000000	1.000000
Ni 231.604 {446}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000304	0.327765	0.000000	1.000000
Ag 328.068 {103}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000347	0.107331	0.000000	1.000000
V 292.402 {115}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000077	0.126709	0.000000	1.000000
Zn 206.200 {464}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000477	1.042164	0.000000	1.000000
As 189.042 {478}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000256	0.091334	0.000000	1.000000
Tl 190.856 {477}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000071	0.049357	0.000000	1.000000
Pb 220.353 {453}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000013	0.147784	0.000000	1.000000
Se 196.090 {472}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000220	0.069773	0.000000	1.000000
Sb 206.833 {463}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000209	0.139529	0.000000	1.000000
Al 396.152 { 85}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000348	0.030929	0.000000	1.000000
Ca 317.933 {106}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.003322	0.047210	0.000000	1.000000
Fe 259.940 {130}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000118	0.026530	0.000000	1.000000
Mg 279.079 {121}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000239	0.003882	0.000000	1.000000
K 766.490 { 44}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.001582	0.022463	0.000000	1.000000
Na 589.592 { 57}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.002962	0.080645	0.000000	1.000000
B 208.959 {462}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000142	0.200141	0.000000	1.000000
Mo 202.030 {467}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000306	0.755304	0.000000	1.000000
Pd 340.458 { 99}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000645	0.043395	0.000000	1.000000
Si 212.412 {459}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.002121	0.205996	0.000000	1.000000
Sn 189.989 {478}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000023	0.171321	0.000000	1.000000
Sr 407.771 { 83}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000118	2.496858	0.000000	1.000000
Ti 334.904 {101}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000245	0.114505	0.000000	1.000000
Y 360.073 { 94}*	6/5/2014 7:11:10	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/5/2014 7:11:10	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/5/2014 7:11:10	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/5/2014 7:11:10	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.002111	0.338806	0.000000	1.000000
Zr 339.198 { 99}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.000204	0.287713	0.000000	1.000000
S 182.034 {485}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.000372	0.054756	0.000000	1.000000
Bi 223.061 {451}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	-0.001177	0.181771	0.000000	1.000000
Li 670.784 { 50}	6/5/2014 7:11:10	6/4/2014 11:29:48	Linear	1/Conc	0.002452	0.520514	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	0.000310	0.001033	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000121	0.000403	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000310	0.001035	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000401	0.001336	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000554	0.001846	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000615	0.002050	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000085	0.000282	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000487	0.001622	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000862	0.002873	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000471	0.001568	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000214	0.000713	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001855	0.006182	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001925	0.006417	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001582	0.005272	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003277	0.010922	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.002059	0.006863	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.013138	0.043794	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004291	0.014302	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003716	0.012386	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.032025	0.106752	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.039562	0.131872	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.010983	0.036611	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.001005	0.003350	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000329	0.001098	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001977	0.006592	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001397	0.004657	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001011	0.003368	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000133	0.000443	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000724	0.002413	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	0.001469	0.004898	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000298	0.000993	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003403	0.011344	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.002066	0.006886	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001727	0.005756	OK.	1.000000	0.000000	1	0

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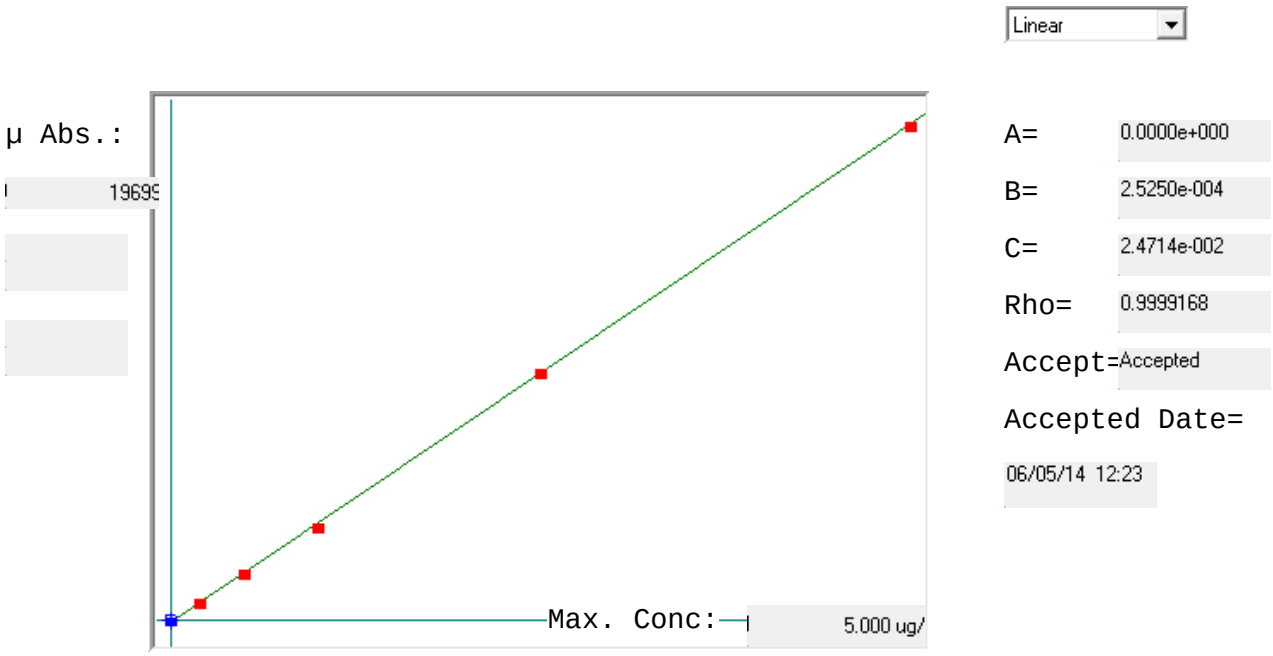
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA 1 - 1	05 Jun 2014 12:14:04	Std	ug/l	-	-2	1.000	1.000
STDB - 1	05 Jun 2014 12:15:22	Std	ug/l	-	722	1.000	1.000
STDC - 1	05 Jun 2014 12:16:39	Std	ug/l	-	1863	1.000	1.000
STDD - 1	05 Jun 2014 12:17:59	Std	ug/l	-	3685	1.000	1.000
STDE - 1	05 Jun 2014 12:19:22	Std	ug/l	-	9882	1.000	1.000
STDF - 1	05 Jun 2014 12:20:50	Std	ug/l	-	19699	1.000	1.000
ICV - 1	05 Jun 2014 12:25:41	SMPL	ug/l	2.8953	11369	1.000	1.000
ICB - 1	05 Jun 2014 12:26:57	SMPL	ug/l	-0.0323	-226	1.000	1.000
CCV - 1	05 Jun 2014 12:28:33	CK STND	ug/l	99.4% 2.4855	9746	1.000	1.000
CCB - 1	05 Jun 2014 12:29:49	CK STND	ug/l	-0.0377	-247	1.000	1.000
CRIB - 1	05 Jun 2014 12:31:23	SMPL	ug/l	0.2063	719	1.000	1.000
MP79894-MB1 - 1	05 Jun 2014 12:53:59	SMPL	ug/l	-0.0091	-134	1.000	1.000
MP79894-LC1 - 1	05 Jun 2014 12:55:18	SMPL	ug/l	2.0275	7932	1.000	1.000
MP79894-S1 - 1	05 Jun 2014 12:56:34	SMPL	ug/l	2.3651	9269	1.000	1.000
MP79894-S2 - 1	05 Jun 2014 12:58:07	SMPL	ug/l	2.3227	9101	1.000	1.000
JB68374-7A - 1	05 Jun 2014 12:59:39	SMPL	ug/l	0.0171	-30	1.000	1.000
JB68374-8A - 1	05 Jun 2014 13:01:12	SMPL	ug/l	0.0361	45	1.000	1.000
JB68374-9A - 1	05 Jun 2014 13:02:31	SMPL	ug/l	0.0356	43	1.000	1.000
JB68239-1 - 1	05 Jun 2014 13:03:50	SMPL	ug/l	0.0411	65	1.000	1.000
JB68239-2 - 1	05 Jun 2014 13:05:09	SMPL	ug/l	0.0555	122	1.000	1.000
CCV - 1	05 Jun 2014 13:06:27	CK STND	ug/l	99.0% 2.4744	9702	1.000	1.000
CCB - 1	05 Jun 2014 13:07:43	CK STND	ug/l	-0.0354	-238	1.000	1.000
JB68239-3 - 1	05 Jun 2014 13:09:19	SMPL	ug/l	0.0285	15	1.000	1.000
JB68239-4 - 1	05 Jun 2014 13:10:35	SMPL	ug/l	0.0245	-1	1.000	1.000
MP79895-MB1 4 - 1	05 Jun 2014 13:11:51	SMPL	ug/l	0.0199	-19	1.000	1.000
MP79895-LC1 - 1	05 Jun 2014 13:13:08	SMPL	ug/l	2.0159	7886	1.000	1.000
MP79895-S1 - 1	05 Jun 2014 13:14:24	SMPL	ug/l	2.1777	8527	1.000	1.000
MP79895-S2 - 1	05 Jun 2014 13:15:57	SMPL	ug/l	2.3169	9078	1.000	1.000
C34314-1 - 1	05 Jun 2014 13:17:28	SMPL	ug/l	-0.0008	-101	1.000	1.000
MP79896-MB1 2 - 1	05 Jun 2014 13:19:01	SMPL	ug/l	0.0106	-56	1.000	1.000
MP79896-LC1 - 1	05 Jun 2014 13:20:20	SMPL	ug/l	1.9530	7637	1.000	1.000
JB67819-1A - 1	05 Jun 2014 13:21:37	SMPL	ug/l	0.0045	-80	1.000	1.000
CCV - 1	05 Jun 2014 13:23:11	CK STND	ug/l	97.5% 2.4383	9559	1.000	1.000
CCB - 1	05 Jun 2014 13:24:29	CK STND	ug/l	-0.0344	-234	1.000	1.000
JB67822-10 - 1	05 Jun 2014 13:26:05	SMPL	ug/l	0.0389	56	1.000	1.000
JB67991-16 - 1	05 Jun 2014 13:27:22	SMPL	ug/l	0.0351	41	1.000	1.000
JB67991-21 - 1	05 Jun 2014 13:28:42	SMPL	ug/l	0.0358	44	1.000	1.000
JB68265-22 - 1	05 Jun 2014 13:30:00	SMPL	ug/l	0.0318	28	1.000	1.000
JB67898-4 - 1	05 Jun 2014 13:31:17	SMPL	ug/l	0.0431	73	1.000	1.000
JB67897-7 - 1	05 Jun 2014 13:32:35	SMPL	ug/l	0.0439	76	1.000	1.000
JB67912-11A - 1	05 Jun 2014 13:33:53	SMPL	ug/l	0.0424	70	1.000	1.000
JB67976-6 - 1	05 Jun 2014 13:35:11	SMPL	ug/l	0.0394	58	1.000	1.000
JB67981-14 - 1	05 Jun 2014 13:36:29	SMPL	ug/l	0.0288	16	1.000	1.000
JB64500-35 - 1	05 Jun 2014 13:37:45	SMPL	ug/l	0.0323	30	1.000	1.000
CCV - 1	05 Jun 2014 13:39:02	CK STND	ug/l	98.2% 2.4550	9625	1.000	1.000
CCB - 1	05 Jun 2014 13:40:19	CK STND	ug/l	-0.0344	-234	1.000	1.000
JB68173-15 - 1	05 Jun 2014 13:41:54	SMPL	ug/l	0.0376	51	1.000	1.000
MP79897-MB1 - 1	05 Jun 2014 13:43:11	SMPL	ug/l	0.0136	-44	1.000	1.000
MP79897-LC1 - 1	05 Jun 2014 13:44:29	SMPL	ug/l	1.9788	7739	1.000	1.000
MP79897-S1 - 1	05 Jun 2014 13:45:47	SMPL	ug/l	2.0861	8164	1.000	1.000
MP79897-S2 - 1	05 Jun 2014 13:47:21	SMPL	ug/l	2.0644	8078	1.000	1.000
JB68356-14 - 1	05 Jun 2014 13:48:50	SMPL	ug/l	7.6983	30391	1.000	1.000
JB68042-1F - 1	05 Jun 2014 13:50:20	SMPL	ug/l	-0.0634	-349	1.000	1.000
JB68042-2F - 1	05 Jun 2014 13:52:00	SMPL	ug/l	-0.0033	-111	1.000	1.000
JB68042-3F - 1	05 Jun 2014 13:53:17	SMPL	ug/l	0.0144	-41	1.000	1.000
JB67881-1 - 1	05 Jun 2014 13:54:35	SMPL	ug/l	0.0484	94	1.000	1.000
CCV - 1	05 Jun 2014 13:55:52	CK STND	ug/l	104.9% 2.6234	10292	1.000	1.000
CCB - 1	05 Jun 2014 13:57:09	CK STND	ug/l	-0.0346	-235	1.000	1.000
JB67881-3 - 1	05 Jun 2014 13:58:44	SMPL	ug/l	0.0492	97	1.000	1.000
JB67912-12A - 1	05 Jun 2014 14:00:01	SMPL	ug/l	0.3961	1471	1.000	1.000
JB67912-14A - 1	05 Jun 2014 14:01:20	SMPL	ug/l	-0.0212	-182	1.000	1.000
JB67912-15A - 1	05 Jun 2014 14:02:41	SMPL	ug/l	0.9746	3762	1.000	1.000
JB68004-1 - 1	05 Jun 2014 14:03:59	SMPL	ug/l	-0.0134	-151	1.000	1.000
JB68022-1 - 1	05 Jun 2014 14:05:26	SMPL	ug/l	0.0358	44	1.000	1.000
JB67999-1A - 1	05 Jun 2014 14:06:44	SMPL	ug/l	0.0510	104	1.000	1.000
JB67999-2A - 1	05 Jun 2014 14:08:03	SMPL	ug/l	0.0507	103	1.000	1.000
JB67999-4A - 1	05 Jun 2014 14:09:22	SMPL	ug/l	0.2282	806	1.000	1.000
JB67999-25A - 1	05 Jun 2014 14:10:40	SMPL	ug/l	0.1421	465	1.000	1.000
CCV - 1	05 Jun 2014 14:12:00	CK STND	ug/l	101.8% 2.5439	9977	1.000	1.000

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Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	05 Jun 2014 14:13:18	CK STND	ug/l	-0.0306	-219	1.000	1.000
JB68108-1 - 1	05 Jun 2014 14:14:54	SMPL	ug/l	0.0522	109	1.000	1.000
JB68128-1 - 1	05 Jun 2014 14:16:11	SMPL	ug/l	0.0406	63	1.000	1.000
JB68128-2 - 1	05 Jun 2014 14:17:30	SMPL	ug/l	0.0724	189	1.000	1.000
JB68166-2 - 1	05 Jun 2014 14:18:48	SMPL	ug/l	0.2045	712	1.000	1.000
JB68166-4 - 1	05 Jun 2014 14:20:07	SMPL	ug/l	0.1570	524	1.000	1.000
MP79853-MB2 - 1	05 Jun 2014 14:21:26	SMPL	ug/l	-0.0127	-148	1.000	1.000
MP79853-LC2 - 1	05 Jun 2014 14:22:46	SMPL	ug/l	1.9894	7781	1.000	1.000
JB68078-1B - 1	05 Jun 2014 14:24:03	SMPL	ug/l	2.5206	9885	1.000	1.000
MP79899-MB1 - 1	05 Jun 2014 14:25:39	SMPL	ug/l	-0.0250	-197	1.000	1.000
MP79899-B1 - 1	05 Jun 2014 14:27:12	SMPL	ug/l	1.9563	7650	1.000	1.000
CCV - 1	05 Jun 2014 14:28:29	CK STND	ug/l	99.8% 2.4951	9784	1.000	1.000
CCB - 1	05 Jun 2014 14:30:02	CK STND	ug/l	-0.0346	-235	1.000	1.000
MP79899-S1 - 1	05 Jun 2014 14:31:38	SMPL	ug/l	2.2401	8774	1.000	1.000
MP79899-S2 - 1	05 Jun 2014 14:32:55	SMPL	ug/l	2.2280	8726	1.000	1.000
JB68196-1 - 1	05 Jun 2014 14:34:27	SMPL	ug/l	-0.0015	-104	1.000	1.000
MP79900-MB1 - 1	05 Jun 2014 14:36:00	SMPL	ug/l	0.0053	-77	1.000	1.000
MP79900-B1 - 1	05 Jun 2014 14:37:18	SMPL	ug/l	1.9179	7498	1.000	1.000
MP79900-S1 - 1	05 Jun 2014 14:38:35	SMPL	ug/l	1.4965	5829	1.000	1.000
MP79900-S2 - 1	05 Jun 2014 14:40:11	SMPL	ug/l	1.3859	5391	1.000	1.000
JB68216-1 - 1	05 Jun 2014 14:41:41	SMPL	ug/l	0.0141	-42	1.000	1.000
JB68216-2 - 1	05 Jun 2014 14:43:12	SMPL	ug/l	1.4697	5723	1.000	1.000
JB68216-3 - 1	05 Jun 2014 14:44:31	SMPL	ug/l	-0.0212	-182	1.000	1.000
CCV - 1	05 Jun 2014 14:46:04	CK STND	ug/l	101.4% 2.5353	9943	1.000	1.000
CCB - 1	05 Jun 2014 14:47:21	CK STND	ug/l	-0.0207	-180	1.000	1.000
JB68216-4 - 1	05 Jun 2014 14:48:57	SMPL	ug/l	0.0399	60	1.000	1.000
JB68216-5 - 1	05 Jun 2014 14:50:15	SMPL	ug/l	0.0313	26	1.000	1.000
JB68216-6 - 1	05 Jun 2014 14:51:33	SMPL	ug/l	0.0298	20	1.000	1.000
JB68216-7 - 1	05 Jun 2014 14:52:51	SMPL	ug/l	0.3128	1141	1.000	1.000
JB68216-8 - 1	05 Jun 2014 14:54:08	SMPL	ug/l	-0.0657	-358	1.000	1.000
JB68216-9 - 1	05 Jun 2014 14:55:50	SMPL	ug/l	0.0227	-8	1.000	1.000
JB68078-2B - 1	05 Jun 2014 14:57:08	SMPL	ug/l	0.0522	109	1.000	1.000
MP79821-MB3 - 1	05 Jun 2014 14:58:25	SMPL	ug/l	-0.0026	-108	1.000	1.000
MP79821-LC2 - 1	05 Jun 2014 14:59:43	SMPL	ug/l	1.9558	7648	1.000	1.000
JB68076-1A - 1	05 Jun 2014 15:01:00	SMPL	ug/l	-0.0167	-164	1.000	1.000
CCV - 1	05 Jun 2014 15:02:36	CK STND	ug/l	99.5% 2.4871	9752	1.000	1.000
CCB - 1	05 Jun 2014 15:03:52	CK STND	ug/l	-0.0238	-192	1.000	1.000
MP79871-MB2 - 1	05 Jun 2014 15:05:28	SMPL	ug/l	0.0179	-27	1.000	1.000
MP79871-LC2 - 1	05 Jun 2014 15:06:46	SMPL	ug/l	1.9715	7710	1.000	1.000
JB68325-1A - 1	05 Jun 2014 15:08:03	SMPL	ug/l	-0.0091	-134	1.000	1.000
JB68356-14A - 1	05 Jun 2014 15:09:37	SMPL	ug/l	3.8417	15117	1.000	1.000
MP79901-MB1 - 1	05 Jun 2014 15:10:56	SMPL	ug/l	-0.0321	-225	1.000	1.000
MP79901-B1 - 1	05 Jun 2014 15:12:32	SMPL	ug/l	2.0129	7874	1.000	1.000
MP79901-S1 - 1	05 Jun 2014 15:13:49	SMPL	ug/l	2.2659	8876	1.000	1.000
MP79901-S2 - 1	05 Jun 2014 15:15:23	SMPL	ug/l	2.2888	8967	1.000	1.000
JB68325-2A - 1	05 Jun 2014 15:16:56	SMPL	ug/l	-0.0026	-108	1.000	1.000
JB68304-1 - 1	05 Jun 2014 15:18:31	SMPL	ug/l	0.0444	78	1.000	1.000
CCV - 1	05 Jun 2014 15:19:50	CK STND	ug/l	99.1% 2.4785	9718	1.000	1.000
CCB - 1	05 Jun 2014 15:21:07	CK STND	ug/l	-0.0230	-189	1.000	1.000
JB68356-1A - 1	05 Jun 2014 15:22:44	SMPL	ug/l	1.2718	4939	1.000	1.000
JB68356-7A - 1	05 Jun 2014 15:24:01	SMPL	ug/l	1.6313	6363	1.000	1.000
JB68330-2A - 1	05 Jun 2014 15:25:30	SMPL	ug/l	-0.0071	-126	1.000	1.000
JB68330-3A - 1	05 Jun 2014 15:27:02	SMPL	ug/l	0.0156	-36	1.000	1.000
CRIB - 1	05 Jun 2014 15:39:18	SMPL	ug/l	0.1989	690	1.000	1.000
JB68356-14 - 1	05 Jun 2014 15:45:48	SMPL	ug/l	8.0732	15889	1.000	2.000
MP79893-FMB1CONF - 1	05 Jun 2014 15:47:06	SMPL	ug/l	-0.0268	-204	1.000	1.000
MP79893-FLC1CONF - 1	05 Jun 2014 15:48:41	SMPL	ug/l	1.9798	7743	1.000	1.000
CCV - 1	05 Jun 2014 16:07:40	CK STND	ug/l	101.3% 2.5320	9930	1.000	1.000
CCB - 1	05 Jun 2014 16:08:57	CK STND	ug/l	-0.0293	-214	1.000	1.000

ACCUTEST



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	0.024	0.024	-2	0.000	-2				
STDB	0.200	0.207	0.007	722	0.0 %	722				
STDC	0.500	0.495	-0.005	1863	0.0 %	1863				
STDD	1.000	0.955	-0.045	3685	0.0 %	3685				
STDE	2.500	2.520	0.020	9882	0.0 %	9882				
STDF	5.000	4.999	-0.001	19699	0.0 %	19699				

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/5/2014 10:39:54 Type: Cal
Method: Accutest 2(v55) 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	**.0072**	**.0001**	**-.0004**	**.0001**	**.0000**	**.0048**	**-.0001**	**.0002**	**-.0003**
Stddev	.0001	.0000	.0003	.0001	.0000	.0001	.0000	.0001	.0000
%RSD	1.874	9.942	67.85	168.2	30.66	1.089	16.67	41.26	5.505
#1	.0073	.0001	-.0006	-.0000	.0000	.0048	-.0001	.0001	-.0003
#2	.0071	.0001	-.0002	.0002	.0000	.0048	-.0001	.0002	-.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**	**-.0000**	**.0001**	**-.0000**	**-.0001**	**.0001**	**.0030**
Stddev	.0000	.0002	.0000	.0000	.0003	.0001	.0003	.0002	.0000
%RSD	105.3	40.86	13.91	9.927	235.2	323.3	205.6	169.4	.2461
#1	.0000	.0006	.0003	-.0001	-.0001	.0001	-.0003	.0002	.0030
#2	.0000	.0003	.0003	-.0000	.0003	-.0002	.0001	-.0000	.0030

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**	**.0002**	**.0007**	**-.0003**	**-.0000**	**.0001**	**.0006**	**.0017**	**-.0000**
Stddev	.0001	.0001	.0003	.0001	.0002	.0001	.0000	.0001	.0000
%RSD	85.40	48.93	40.49	23.88	841.2	150.9	2.238	8.203	87.21
#1	.0001	.0002	.0005	-.0002	.0001	.0002	.0006	.0016	-.0001
#2	.0000	.0001	.0009	-.0003	-.0002	-.0000	.0005	.0018	-.0000

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	**.0000**	**-.0002**	**.0003**	**-.0002**	**.0008**	**-.0012**	**.0021**
Stddev	.0002	.0001	.0004	.0000	.0001	.0000	.0005
%RSD	20440.	29.65	118.4	5.503	12.99	3.806	23.12
#1	.0001	-.0002	.0006	-.0002	.0007	-.0012	.0024
#2	-.0001	-.0003	.0001	-.0002	.0009	-.0013	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90286.**	**16184.**	**2264.9**	**4799.0**
Stddev	517.	543.	16.7	27.1
%RSD	.57273	3.3546	.73646	.56405
#1	89920.	15800.	2253.1	4779.8
#2	90651.	16568.	2276.7	4818.1

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/5/2014 10:43:08 Type: Cal
Method: Accutest 2(v55) 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	**6.441**	**5.287**	**3.238**	**1.897**	**.3380**	**.7088**	**1.968**	**1.252**	**.0492**
Stddev	.037	.024	.001	.001	.0002	.0002	.005	.001	.0002
%RSD	.5769	.4594	.0446	.0467	.0708	.0284	.2552	.0481	.4052
#1	6.467	5.304	3.239	1.896	.3378	.7086	1.965	1.251	.0493
#2	6.415	5.270	3.237	1.898	.3381	.7089	1.972	1.252	.0490

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	**.5020**	**4.153**	**.3924**	**.1976**	**.6113**	**.2908**	**.6048**	**2.592**	**3.597**
Stddev	.0010	.001	.0007	.0001	.0012	.0000	.0002	.011	.012
%RSD	.1915	.0232	.1779	.0530	.1913	.0122	.0303	.4034	.3250
#1	.5014	4.152	.3929	.1977	.6122	.2909	.6050	2.599	3.605
#2	.5027	4.154	.3919	.1976	.6105	.2908	.6047	2.585	3.589

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	**1.882**	**.2745**	**1.737**	**7.647**	**.8659**	**3.118**	**.1606**	**2.183**	**.7005**
Stddev	.010	.0020	.012	.040	.0014	.002	.0003	.004	.0001
%RSD	.5449	.7131	.7001	.5269	.1672	.0573	.1986	.1853	.0173
#1	1.889	.2759	1.746	7.675	.8649	3.119	.1608	2.180	.7006
#2	1.875	.2731	1.728	7.618	.8669	3.116	.1604	2.186	.7004

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	**11.01**	**.4393**	**1.259**	**1.191**	**.2253**	**.7416**	**2.587**
Stddev	.08	.0016	.018	.002	.0003	.0001	.013
%RSD	.6958	.3613	1.422	.1752	.1118	.0089	.5157
#1	11.06	.4382	1.272	1.190	.2251	.7417	2.596
#2	10.95	.4404	1.246	1.193	.2255	.7416	2.577

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84111.**	**16160.**	**2136.2**	**4210.2**
Stddev	105.	43.	.0	2.5
%RSD	.12486	.26758	.00103	.05899
#1	84036.	16130.	2136.2	4208.5
#2	84185.	16191.	2136.2	4212.0

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/5/2014 10:46:10 Type: QC
Method: Accutest 2(v55) Mode: 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**	**2.011**	**1.968**	**1.979**	**1.976**	**1.930**	**1.999**	**2.008**	**.2437**
Stddev	.018	.012	.001	.003	.003	.002	.002	.002	.0000
%RSD	.8836	.5854	.0243	.1491	.1355	.0873	.0770	.0965	.0112
#1	2.000	2.019	1.968	1.977	1.974	1.929	2.000	2.007	.2437
#2	1.975	2.003	1.967	1.981	1.978	1.931	1.998	2.010	.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	**1.984**	**2.013**	**1.975**	**2.033**	**2.010**	**1.970**	**1.983**	**39.40**	**39.67**
Stddev	.002	.002	.003	.007	.001	.008	.004	.30	.22
%RSD	.0871	.1170	.1377	.3350	.0590	.4216	.2025	.7631	.5597
#1	1.985	2.011	1.977	2.028	2.011	1.964	1.980	39.61	39.83
#2	1.982	2.015	1.973	2.038	2.009	1.975	1.986	39.18	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	**40.13**	**40.07**	**39.55**	**39.53**	**2.005**	**2.003**	**1.935**	**4.963**	**2.020**
Stddev	.17	.11	.27	.38	.001	.001	.010	.003	.002
%RSD	.4313	.2660	.6803	.9603	.0661	.0351	.5177	.0674	.1112
#1	40.25	40.14	39.75	39.80	2.004	2.002	1.928	4.961	2.019
#2	40.01	39.99	39.36	39.26	2.006	2.003	1.942	4.966	2.022
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: 6/5/2014 10:46:10 Type: QC
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**1.979**	**F 2.143**	**2.005**	**1.950**	**1.995**	**1.970**
Stddev	.015	.004	.009	.003	.007	.001	.024
%RSD	.7355	.1847	.3957	.1427	.3525	.0349	1.215
#1	2.008	1.982	2.149	2.007	1.945	1.995	1.987
#2	1.987	1.977	2.137	2.003	1.955	1.994	1.953
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			5.000%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87406.**	**16380.**	**2194.3**	**4370.1**
Stddev	218.	6.	1.9	5.3
%RSD	.24971	.03389	.08790	.12155
#1	87560.	16376.	2195.6	4373.8
#2	87251.	16384.	2192.9	4366.3

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/5/2014 10:49:06 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**-.0001**	**-.0001**	**-.0076**	**.0001**	**.0003**	**.0007**
Stddev	.0001	.0000	.0002	.0001	.0004	.0099	.0001	.0001	.0014
%RSD	19.50	47.85	76.20	129.1	645.3	130.6	39.18	39.61	188.9
#1	.0005	.0000	-.0001	-.0001	-.0003	-.0145	.0001	.0003	.0017
#2	.0004	.0001	-.0003	-.0000	.0002	-.0006	.0002	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0002**	**.0013**	**-.0012**	**-.0005**	**-.0003**	**.0000**	**-.0003**	**.0051**
Stddev	.0003	.0000	.0014	.0000	.0001	.0028	.0004	.0105	.0032
%RSD	84.76	8.079	108.7	.7186	15.97	867.5	5333.	3785.	62.56
#1	.0001	.0003	.0003	-.0012	-.0005	.0017	-.0002	.0072	.0074
#2	.0006	.0002	.0023	-.0012	-.0006	-.0023	.0003	-.0077	.0029

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0016**	**.0015**	**.0916**	**-.0031**	**.0021**	**.0023**	**-.0046**	**.0004**	**.0005**
Stddev	.0008	.0075	.0287	.0026	.0011	.0001	.0038	.0010	.0004
%RSD	49.74	485.1	31.32	85.71	51.32	5.820	83.97	231.9	79.22
#1	.0021	-.0037	.1119	-.0012	.0028	.0022	-.0073	.0012	.0002
#2	.0010	.0068	.0713	-.0049	.0013	.0023	-.0019	-.0003	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0005**	**.0493**	**.0013**	**-.0052**	**.0005**	**.0027**
Stddev	.0000	.0004	.0014	.0002	.0003	.0003	.0003
%RSD	9.962	68.12	2.783	16.77	5.453	49.23	12.13
#1	.0002	.0008	.0483	.0012	-.0054	.0003	.0029
#2	.0002	.0003	.0503	.0015	-.0050	.0007	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**16309.**	**2294.7**	**4851.2**
Stddev	-----	179.	18.9	41.0
%RSD	-----	1.0959	.82214	.84442
#1	-----	16183.	2281.4	4822.2
#2	90037.	16435.	2308.1	4880.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/5/2014 10:52:18 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.0015**	**-.0002**	**-.0002**	**-.0001**	**-.0005**	**.0025**	**.0001**	**.0001**	**.0007**
Stddev	.0004	.0000	.0002	.0000	.0001	.0128	.0000	.0002	.0009
%RSD	22.75	13.23	134.5	7.509	20.78	511.0	19.77	290.9	135.7
#1	.0018	-.0003	-.0000	-.0001	-.0004	-.0065	.0001	.0002	.0014
#2	.0013	-.0002	-.0003	-.0001	-.0006	.0115	.0001	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0002**	**-.0010**	**.0003**	**-.0002**	**-.0008**	**.0013**	**-.0051**	**.0130**
Stddev	.0002	.0001	.0001	.0000	.0006	.0010	.0003	.0012	.0056
%RSD	103.8	34.64	6.858	5.553	290.6	123.5	20.52	24.37	43.21
#1	.0000	-.0002	-.0010	.0003	-.0006	-.0016	.0011	-.0060	.0169
#2	.0003	-.0001	-.0009	.0002	.0002	-.0001	.0015	-.0042	.0090

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0003**	**-.0109**	**-.0294**	**-.0353**	**.0005**	**.0001**	**-.0014**	**-.0041**	**-.0002**
Stddev	.0015	.0032	.0131	.0083	.0000	.0000	.0033	.0005	.0000
%RSD	509.6	29.74	44.74	23.38	1.474	32.31	239.4	11.91	6.517
#1	-.0013	-.0086	-.0201	-.0412	.0005	.0001	-.0037	-.0045	-.0002
#2	.0008	-.0132	-.0387	-.0295	.0005	.0002	.0010	-.0038	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0065**	**.0002**	**-.0095**	**.0026**	**.0024**
Stddev	.0000	.0009	.0022	.0003	.0013	.0002	.0009
%RSD	33.50	731.5	33.23	190.8	14.24	8.592	37.94
#1	.0001	.0005	.0050	.0004	-.0104	.0024	.0018
#2	.0001	-.0007	.0080	-.0001	-.0085	.0027	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	*****	**4542.6**	**9614.4**
Stddev	-----	-----	216.0	463.9
%RSD	-----	-----	4.7552	4.8248
#1	189580.	16826.	4695.4	9942.4
#2	-----	-----	4389.9	9286.4

Zoom In Zoom Out

Sample Name: icv Acquired: 6/5/2014 10:56:52 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.995**	**2.014**	**1.982**	**1.969**	**2.034**	**1.961**	**2.030**	**2.022**	**.2530**
Stddev	.008	.003	.023	.020	.003	.009	.004	.023	.0012
%RSD	.3938	.1494	1.174	1.030	.1345	.4612	.2186	1.159	.4710
#1	1.989	2.012	1.998	1.983	2.036	1.968	2.033	2.038	.2538
#2	2.000	2.016	1.965	1.954	2.032	1.955	2.027	2.005	.2521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.928**	**2.033**	**2.027**	**2.027**	**2.020**	**1.990**	**1.981**	**39.63**	**40.05**
Stddev	.004	.022	.027	.023	.018	.030	.027	.14	.14
%RSD	.2072	1.064	1.322	1.150	.8944	1.532	1.365	.3473	.3614
#1	1.931	2.048	2.046	2.044	2.032	2.012	2.000	39.53	39.95
#2	1.925	2.018	2.008	2.011	2.007	1.969	1.962	39.73	40.15
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	**41.07**	**41.58**	**40.53**	**40.31**	**2.020**	**1.950**	F **2.219**	**5.106**	**2.012**
Stddev	.03	.07	.02	.12	.021	.021	.004	.059	.025
%RSD	.0753	.1778	.0386	.2894	1.038	1.092	.1786	1.152	1.240
#1	41.05	41.52	40.55	40.22	2.034	1.965	2.222	5.148	2.029
#2	41.09	41.63	40.52	40.39	2.005	1.935	2.216	5.065	1.994
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%		

Zoom In Zoom Out

Sample Name: icv Acquired: 6/5/2014 10:56:52 Type: QC
Method: Accutest 2(v55) 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**	**2.045**	F **2.346**	**2.085**	**1.961**	**2.086**	F **2.237**
Stddev	.006	.007	.033	.004	.030	.024	.007
%RSD	.3281	.3404	1.418	.2049	1.537	1.167	.2982
#1	1.968	2.050	2.369	2.088	1.982	2.103	2.233
#2	1.977	2.040	2.322	2.082	1.939	2.069	2.242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value			2.000				2.000
Range			5.000%				5.000%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86494.**	**16399.**	**2211.4**	**4399.9**
Stddev	29.	43.	17.5	30.0
%RSD	.03379	.26123	.79105	.68233
#1	86514.	16429.	2199.0	4378.7
#2	86473.	16368.	2223.8	4421.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/5/2014 10:59:48 Type: QC
Method: Accutest 2(v55) 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**	**.0000**	**.0001**	**.0001**	**-.0004**	**-.0000**	**.0002**	**.0003**
Stddev	.0004	.0001	.0003	.0003	.0003	.0004	.0000	.0001
%RSD	83.10	894.4	485.2	330.6	87.59	1112.	.7872	25.17
#1	.0007	.0001	-.0002	.0003	-.0001	-.0003	.0002	.0003
#2	.0002	-.0001	.0003	-.0001	-.0006	.0002	.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	**.0000**	**.0001**	**.0003**	**.0004**	**-.0007**	**-.0011**	F **-.0038**	**-.0007**
Stddev	.0002	.0001	.0000	.0019	.0003	.0006	.0002	.0005
%RSD	5181.	94.92	15.65	480.5	40.86	59.01	6.010	71.42
#1	.0001	.0000	.0003	.0017	-.0005	-.0015	-.0040	-.0010
#2	-.0001	.0002	.0003	-.0009	-.0008	-.0006	-.0036	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0031**	**.0043**	**-.0177**	**.0647**	**-.0069**	**.0019**	**.0010**
Stddev	.0078	.0017	.0045	.0248	.0504	.0080	.0001	.0002
%RSD	3520.	55.82	104.0	139.7	77.92	115.9	7.254	16.13
#1	-.0058	.0019	.0075	-.0353	.0291	-.0012	.0018	.0012
#2	.0053	.0044	.0011	-.0002	.1004	-.0126	.0020	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icb Acquired: 6/5/2014 10:59:48 Type: QC
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0001**	**-.0002**	**.0001**	**-.0002**	F **.0232**	**.0006**	**.0005**
Stddev	.0010	.0005	.0004	.0001	.0001	.0016	.0002	.0021
%RSD	95.06	384.7	202.0	58.99	79.00	6.763	31.21	425.7
#1	-.0004	-.0002	.0001	.0002	-.0001	.0221	.0008	-.0010
#2	-.0018	.0005	-.0005	.0001	-.0002	.0243	.0005	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0003**	**.0010**
Stddev	.0004	.0005
%RSD	142.8	53.96
#1	.0005	.0014
#2	-.0000	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90522.**	**16476.**	**2267.3**	**4793.9**
Stddev	227.	84.	5.4	8.7
%RSD	.25031	.50695	.23710	.18252
#1	90682.	16417.	2271.1	4800.1
#2	90361.	16535.	2263.5	4787.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 11:03:01 Type: QC
Method: Accutest 2(v55) Mode: 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**	**1.996**	**1.980**	**1.995**	**2.025**	**1.949**	**2.025**	**2.030**	**.2465**
Stddev	.003	.003	.004	.007	.008	.013	.008	.006	.0019
%RSD	.1422	.1278	.2121	.3346	.3982	.6401	.4125	.3190	.7883
#1	1.982	1.995	1.983	2.000	2.019	1.940	2.019	2.034	.2451
#2	1.978	1.998	1.977	1.990	2.030	1.958	2.031	2.025	.2479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.031**	**1.992**	**2.053**	**2.031**	**1.989**	**1.997**	**39.34**	**39.62**
Stddev	.009	.012	.007	.001	.002	.005	.003	.04	.05
%RSD	.4480	.5916	.3779	.0548	.0796	.2790	.1452	.0923	.1147
#1	2.004	2.039	1.997	2.052	2.032	1.993	1.999	39.32	39.59
#2	2.016	2.022	1.986	2.054	2.030	1.985	1.995	39.37	39.66
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	**39.84**	**39.85**	**39.31**	**39.71**	**2.018**	**2.017**	**1.973**	**4.996**	**2.040**
Stddev	.02	.06	.05	.00	.003	.006	.014	.002	.007
%RSD	.0481	.1416	.1166	.0032	.1276	.2985	.7095	.0490	.3461
#1	39.83	39.81	39.34	39.71	2.020	2.021	1.964	4.994	2.045
#2	39.85	39.89	39.28	39.71	2.016	2.012	1.983	4.998	2.035
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: 6/5/2014 11:03:01 Type: QC
Method: Accutest 2(v55) 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	**1.976**	**2.000**	F **2.103**	**2.026**	**1.966**	**2.011**	**1.971**
Stddev	.003	.012	.024	.009	.004	.002	.002
%RSD	.1371	.6015	1.145	.4378	.2209	.1098	.1230
#1	1.978	1.991	2.120	2.020	1.969	2.013	1.973
#2	1.974	2.008	2.086	2.032	1.963	2.010	1.969
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			5.000%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85759.**	**16289.**	**2183.3**	**4346.4**
Stddev	374.	70.	2.2	1.8
%RSD	.43574	.42914	.09913	.04247
#1	86023.	16338.	2184.8	4347.7
#2	85495.	16239.	2181.8	4345.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 11:05:57 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0003**	**-.0001**	**-.0004**	**.0002**	**.0003**	**.0001**
Stddev	.0002	.0000	.0000	.0002	.0005	.0001	.0000	.0001	.0008
%RSD	76.22	105.8	14.11	77.11	466.1	21.39	10.22	50.15	663.4
#1	.0003	.0000	.0002	-.0001	.0002	-.0005	.0002	.0002	.0007
#2	.0001	.0001	.0001	-.0005	-.0004	-.0004	.0002	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**.0001**	**-.0003**	**.0000**	**-.0019**	**.0010**	**-.0037**	**.0042**
Stddev	.0003	.0003	.0010	.0010	.0007	.0011	.0001	.0028	.0049
%RSD	271.5	109.8	887.5	285.6	2366.	58.45	7.677	77.71	114.6
#1	.0003	.0001	.0008	-.0010	-.0005	-.0011	.0009	-.0057	.0077
#2	-.0001	.0005	-.0006	.0003	.0006	-.0026	.0010	-.0017	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**-.0098**	**-.0174**	**.0080**	**.0018**	**.0016**	**-.0007**	**.0001**	**.0010**
Stddev	.0012	.0323	.0291	.0119	.0005	.0000	.0014	.0002	.0004
%RSD	42.24	328.3	166.9	148.9	29.34	1.674	196.7	207.2	43.00
#1	.0038	.0130	.0031	.0164	.0021	.0017	.0003	.0002	.0007
#2	.0021	-.0327	-.0380	-.0004	.0014	.0016	-.0017	-.0000	.0013
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: 6/5/2014 11:05:57 Type: QC
Method: Accutest 2(v55) 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**	**F .0402**	**F .0011**	**.0006**	**.0015**	**.0024**
Stddev	.0001	.0000	.0025	.0000	.0030	.0014	.0003
%RSD	34.63	6.013	6.121	2.899	511.5	93.37	11.21
#1	.0003	.0004	.0384	.0011	-.0015	.0025	.0026
#2	.0002	.0003	.0419	.0011	.0027	.0005	.0022
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050	.0010			
Low Limit			-.0050	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90554.**	**16417.**	**2273.3**	**4805.1**
Stddev	118.	14.	.3	5.5
%RSD	.13003	.08462	.01492	.11496
#1	90638.	16427.	2273.1	4801.2
#2	90471.	16407.	2273.6	4809.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/5/2014 11:09:09 Type: QC
Method: Accutest 2(v55) Mode: 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	**.2018**	**.0021**	**.0032**	**.0498**	**.0101**	**.0096**	**.0155**	**.0104**	**.0057**
Stddev	.0038	.0000	.0001	.0002	.0002	.0003	.0001	.0001	.0008
%RSD	1.867	.8059	3.793	.3245	2.250	2.620	.6469	.4815	13.75
#1	.2044	.0021	.0031	.0499	.0100	.0098	.0155	.0105	.0051
#2	.1991	.0021	.0033	.0497	.0103	.0094	.0156	.0104	.0062
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	**.0503**	**.0235**	**.0092**	**.0108**	**F .0040**	**.0121**	**.0051**	**.2063**	**5.153**
Stddev	.0002	.0004	.0007	.0000	.0004	.0027	.0002	.0117	.106
%RSD	.4041	1.496	7.761	.2067	10.02	22.45	3.843	5.676	2.056
#1	.0504	.0237	.0087	.0108	.0037	.0141	.0052	.2146	5.228
#2	.0502	.0232	.0097	.0109	.0043	.0102	.0049	.1980	5.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	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	**.1076**	**5.460**	**4.938**	**5.064**	**.1039**	**.0211**	**.0510**	**.2048**	**.0104**
Stddev	.0017	.092	.088	.101	.0008	.0003	.0018	.0016	.0005
%RSD	1.563	1.688	1.783	2.001	.7907	1.267	3.490	.8019	4.348
#1	.1088	5.525	5.000	5.135	.1044	.0213	.0497	.2060	.0101
#2	.1064	5.395	4.876	4.992	.1033	.0209	.0522	.2036	.0107
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: 6/5/2014 11:09:09 Type: QC
Method: Accutest 2(v55) 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	**.0104**	**.0099**	**F .0827**	**.0107**	**.0475**	**.0201**	**.0235**
Stddev	.0002	.0006	.0026	.0002	.0018	.0003	.0016
%RSD	1.979	6.248	3.164	2.035	3.710	1.575	6.949
#1	.0105	.0104	.0808	.0109	.0463	.0203	.0224
#2	.0102	.0095	.0846	.0106	.0488	.0199	.0247
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	**89444.**	**16057.**	**2265.3**	**4726.7**
Stddev	322.	311.	4.1	6.8
%RSD	.35971	1.9345	.18053	.14284
#1	89671.	15837.	2262.4	4721.9
#2	89216.	16276.	2268.2	4731.5

Zoom In Zoom Out

Sample Name: crid Acquired: 6/5/2014 11:12:19 Type: QC
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0010**	**.0010**	**.0029**	**.0017**	**.0017**	**.0032**	**.0042**
Stddev	.0001	.0001	.0002	.0001	.0003	.0005	.0000	.0000
%RSD	1.238	5.989	23.39	3.532	18.39	29.24	.6215	.8385
#1	.0043	.0010	.0008	.0028	.0015	.0020	.0032	.0042
#2	.0042	.0009	.0012	.0030	.0020	.0013	.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**	**.0020**	**.0118**	**.0028**	F **.0030**	**.0024**	**.0048**	F **.0041**
Stddev	.0004	.0001	.0001	.0001	.0012	.0001	.0004	.0010
%RSD	34.41	7.196	.7504	2.825	40.02	2.486	8.840	25.36
#1	.0008	.0021	.0118	.0028	.0038	.0025	.0045	.0048
#2	.0013	.0019	.0119	.0027	.0021	.0024	.0051	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value					.0020			.0030
Range					30.00%			30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0846**	**1.034**	**.0007**	**.0993**	**2.033**	**1.039**	**.0118**	**.0002**
Stddev	.0016	.004	.0024	.0008	.066	.002	.0001	.0000
%RSD	1.875	.3476	344.4	.7910	3.227	.2017	.8684	15.37
#1	.0835	1.037	-.0010	.0999	1.987	1.037	.0117	.0003
#2	.0858	1.032	.0024	.0988	2.080	1.040	.0118	.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: 6/5/2014 11:12:19 Type: QC
Method: Accutest 2(v55) 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	**-.0010**	**.0052**	**-.0000**	**.0001**	**.0000**	F **.0119**	F **.0001**	F **-.0016**
Stddev	.0006	.0007	.0008	.0000	.0002	.0016	.0003	.0017
%RSD	62.97	14.15	2163.	.8932	4957.	13.32	395.2	106.2
#1	-.0006	.0046	-.0006	.0001	-.0002	.0107	-.0001	-.0029
#2	-.0015	.0057	.0005	.0001	.0002	.0130	.0003	-.0004
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 **.0005**	F **-.0006**
Stddev	.0005	.0009
%RSD	91.93	140.8
#1	.0008	-.0000
#2	.0002	-.0013
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	**89888.**	**16326.**	**2279.3**	**4797.0**
Stddev	303.	70.	8.3	12.4
%RSD	.33670	.42738	.36269	.25776
#1	90102.	16375.	2273.5	4788.2
#2	89674.	16277.	2285.2	4805.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/5/2014 11:15:30 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0005**	**-.0008**	**.0001**	**.0004**	**-.0001**
Stddev	.0002	.0000	.0002	.0001	.0001	.0012	.0001	.0001	.0007
%RSD	56.50	61.76	223.4	39.14	24.81	142.3	81.50	13.71	532.0
#1	.0004	-.0000	.0000	-.0001	-.0006	.0000	.0000	.0004	.0004
#2	.0002	-.0000	-.0002	-.0003	-.0005	-.0017	.0001	.0003	-.0006
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**	**.0015**	**.0175**	**-.0002**	**.0202**	**.0182**	**.0190**	**.4870**	**.0057**
Stddev	.0002	.0000	.0002	.0008	.0005	.0015	.0001	.0105	.0007
%RSD	323.1	1.140	1.315	331.8	2.515	8.025	.3571	2.147	11.42
#1	-.0001	.0015	.0176	-.0008	.0205	.0172	.0190	.4796	.0053
#2	.0002	.0015	.0173	.0003	.0198	.0193	.0191	.4944	.0062
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	**.5151**	**-.0072**	**-.0269**	**.0021**	**.0006**	**.0005**	**-.0014**	**.0030**	**.0003**
Stddev	.0038	.0104	.0513	.0094	.0004	.0001	.0000	.0023	.0001
%RSD	.7288	144.4	190.6	458.1	67.24	11.05	.1202	76.75	53.79
#1	.5177	-.0145	-.0632	.0087	.0003	.0005	-.0014	.0046	.0004
#2	.5124	.0001	.0094	-.0046	.0009	.0004	-.0014	.0014	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/5/2014 11:15:30 Type: QC
Method: Accutest 2(v55) 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**	**.0122**	**.0002**	**.0043**	**.0010**	**.0025**
Stddev	.0000	.0004	.0008	.0000	.0057	.0022	.0000
%RSD	12.07	277.7	6.569	3.401	133.8	216.9	1.258
#1	-.0000	.0004	.0116	.0002	.0083	-.0005	.0025
#2	-.0000	-.0001	.0128	.0002	.0002	.0026	.0025
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	**90572.**	**16417.**	**2285.0**	**4820.1**
Stddev	59.	15.	8.8	12.5
%RSD	.06475	.09309	.38522	.25996
#1	90614.	16428.	2278.7	4811.2
#2	90531.	16406.	2291.2	4828.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/5/2014 11:18:42 Type: QC
Method: Accutest 2(v55) 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**	**.0009**	**.0030**	**.0016**	F **.0010**	**.0032**	**.0043**
Stddev	.0003	.0001	.0004	.0002	.0003	.0003	.0000	.0002
%RSD	6.361	5.297	40.13	7.635	16.99	30.19	.1055	4.234
#1	.0046	.0009	.0006	.0028	.0015	.0013	.0032	.0042
#2	.0042	.0010	.0011	.0031	.0018	.0008	.0032	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**.0012**	**.0022**	**.0119**	**.0035**	**.0021**	**.0021**	**.0055**	**.0034**
Stddev	.0003	.0006	.0000	.0012	.0016	.0015	.0007	.0009
%RSD	29.51	30.00	.1677	35.34	78.05	67.86	13.05	24.72
#1	.0014	.0026	.0119	.0026	.0033	.0011	.0060	.0040
#2	.0009	.0017	.0118	.0044	.0009	.0032	.0050	.0028
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	**.1093**	**1.020**	**.0001**	**.1034**	**2.018**	**1.022**	**.0111**	**.0002**
Stddev	.0039	.004	.0015	.0226	.029	.012	.0000	.0002
%RSD	3.553	.4110	1386.	21.88	1.432	1.213	.0036	108.9
#1	.1066	1.023	.0011	.0874	2.038	1.030	.0111	.0003
#2	.1121	1.017	-.0009	.1194	1.997	1.013	.0111	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/5/2014 11:18:42 Type: QC
Method: Accutest 2(v55) 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**	**.0044**	**-.0001**	**.0001**	**-.0002**	F **.0078**	F **.0001**	F **-.0021**
Stddev	.0009	.0012	.0001	.0000	.0002	.0016	.0000	.0005
%RSD	422.6	27.68	109.0	81.78	95.19	20.13	30.34	22.72
#1	.0004	.0036	-.0001	.0001	-.0004	.0067	.0001	-.0017
#2	-.0008	.0053	-.0000	.0000	-.0001	.0089	.0001	-.0024
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 **.0013**	F **.0003**
Stddev	.0003	.0003
%RSD	26.99	91.14
#1	.0010	.0001
#2	.0015	.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	**90281.**	**16355.**	**2283.4**	**4805.6**
Stddev	372.	41.	1.0	1.7
%RSD	.41151	.25261	.04559	.03467
#1	90544.	16326.	2282.7	4804.4
#2	90018.	16384.	2284.2	4806.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/5/2014 11:21:53 Type: QC
Method: Accutest 2(v55) Mode: 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	**.1978**	**.0020**	**.0032**	**.0496**	**.0104**	**.0094**	**.0156**	**.0102**	**.0052**
Stddev	.0000	.0000	.0000	.0001	.0004	.0000	.0002	.0000	.0002
%RSD	.0117	.6089	1.078	.1228	3.962	.4060	1.251	.3392	3.486
#1	.1978	.0020	.0031	.0496	.0107	.0093	.0155	.0103	.0053
#2	.1979	.0020	.0032	.0496	.0101	.0094	.0158	.0102	.0050
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	**.0503**	**.0234**	**.0078**	**.0101**	**.0029**	**.0117**	**.0049**	**.2079**	**5.024**
Stddev	.0007	.0001	.0013	.0002	.0006	.0014	.0008	.0009	.001
%RSD	1.451	.3673	16.88	2.264	21.29	12.21	15.96	.4408	.0130
#1	.0498	.0234	.0069	.0102	.0034	.0107	.0044	.2085	5.024
#2	.0509	.0233	.0088	.0099	.0025	.0128	.0055	.2072	5.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1065**	**5.321**	**4.897**	**4.959**	**.1025**	**.0206**	**.0521**	**.2040**	**.0102**
Stddev	.0031	.018	.002	.005	.0002	.0002	.0007	.0002	.0001
%RSD	2.892	.3451	.0384	.0935	.2145	.9826	1.355	.1210	1.109
#1	.1043	5.308	4.899	4.963	.1024	.0208	.0516	.2042	.0103
#2	.1087	5.334	4.896	4.956	.1027	.0205	.0526	.2038	.0102
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: 6/5/2014 11:21:53 Type: QC
Method: Accutest 2(v55) 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	**.0101**	**.0104**	F **.0699**	**.0102**	**.0436**	**.0209**	**.0229**
Stddev	.0000	.0002	.0009	.0004	.0011	.0004	.0005
%RSD	.3947	1.620	1.290	4.004	2.417	2.070	2.381
#1	.0101	.0105	.0692	.0099	.0444	.0212	.0233
#2	.0101	.0103	.0705	.0105	.0429	.0206	.0225
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	**89357.**	**16350.**	**2268.0**	**4725.1**
Stddev	478.	5.	6.4	12.5
%RSD	.53467	.02864	.28254	.26551
#1	89695.	16353.	2263.5	4716.2
#2	89019.	16347.	2272.6	4734.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/5/2014 11:25:02 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0003**	**.0009**	**-.0002**	**.0002**	**.0007**	**-.0002**	**.0019**	**.0054**
Stddev	.0000	.0000	.0001	.0007	.0001	.0001	.0001	.0003	.0001
%RSD	2.634	12.60	13.39	421.6	71.82	12.62	54.80	16.05	1.094
#1	-.0011	-.0002	.0010	-.0006	.0001	.0007	-.0001	.0021	.0054
#2	-.0012	-.0003	.0008	.0003	.0002	.0008	-.0003	.0017	.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0072**	**-.0020**	**-.0017**	**-.0003**	**-.0074**	**-.0025**	**484.8**	**374.1**
Stddev	.0002	.0001	.0012	.0016	.0002	.0052	.0021	2.5	.3
%RSD	16.95	1.058	57.55	96.84	67.46	70.42	84.60	.5215	.0904
#1	.0011	-.0072	-.0012	-.0028	-.0004	-.0111	-.0010	483.1	374.4
#2	.0014	-.0071	-.0028	-.0005	-.0002	-.0037	-.0040	486.6	373.9
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	**189.5**	**511.1**	**.1516**	**-.0032**	**-.0039**	**-.0003**	**.0205**	**-.0156**	**-.0018**
Stddev	.5	.8	.0520	.0007	.0014	.0005	.0002	.0009	.0001
%RSD	.2868	.1522	34.30	22.97	34.65	174.7	.7494	5.867	8.162
#1	189.9	511.7	.1149	-.0037	-.0049	-.0006	.0207	-.0149	-.0019
#2	189.1	510.6	.1884	-.0027	-.0030	.0001	.0204	-.0162	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/5/2014 11:25:02 Type: QC
Method: Accutest 2(v55) 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	**-.0053**	**.0022**	**.0085**	**-.0008**	**-.0074**	**.0244**	**.0118**
Stddev	.0000	.0003	.0006	.0002	.0066	.0015	.0004
%RSD	.8227	12.29	7.224	28.14	89.67	6.271	3.645
#1	-.0053	.0020	.0081	-.0006	-.0120	.0233	.0121
#2	-.0054	.0024	.0089	-.0009	-.0027	.0255	.0115
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	**78268.**	**15820.**	**2020.2**	**3898.0**
Stddev	540.	19.	6.6	14.7
%RSD	.68947	.12204	.32899	.37781
#1	78650.	15834.	2015.5	3887.6
#2	77887.	15806.	2024.9	3908.4

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/5/2014 11:28:11 Type: QC
Method: Accutest 2(v55) Mode: 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	**.4767**	**.4784**	**.9806**	**.4750**	**.4841**	**.5038**	**.4902**	**.9636**	**1.013**
Stddev	.0087	.0092	.0003	.0004	.0020	.0006	.0004	.0003	.001
%RSD	1.833	1.919	.0295	.0745	.4100	.1104	.0787	.0350	.0450
#1	.4829	.4849	.9808	.4753	.4827	.5034	.4899	.9638	1.013
#2	.4705	.4719	.9804	.4748	.4855	.5042	.4905	.9634	1.012
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	**.4700**	**.9379**	**1.051**	**.9279**	**.9444**	**1.024**	**1.010**	**489.4**	**375.5**
Stddev	.0004	.0009	.003	.0023	.0041	.003	.003	9.3	6.5
%RSD	.0763	.1000	.2814	.2437	.4337	.2930	.3004	1.891	1.730
#1	.4703	.9385	1.053	.9295	.9415	1.022	1.012	495.9	380.1
#2	.4698	.9372	1.049	.9263	.9473	1.026	1.008	482.8	370.9
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	**187.5**	**520.6**	**.1330**	**.0102**	**-.0014**	**.4916**	**.5484**	**-.0151**	**-.0014**
Stddev	3.3	8.9	.0417	.0111	.0014	.0014	.0019	.0007	.0008
%RSD	1.785	1.717	31.38	108.3	98.74	.2855	.3451	4.328	59.92
#1	189.9	526.9	.1625	.0024	-.0004	.4926	.5471	-.0155	-.0020
#2	185.2	514.3	.1035	.0180	-.0024	.4906	.5498	-.0146	-.0008
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/5/2014 11:28:11 Type: QC
Method: Accutest 2(v55) 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	**-.0052**	**.0022**	**F .6058**	**.5679**	**.4829**	**.5401**	**.5313**
Stddev	.0000	.0006	.0063	.0003	.0006	.0003	.0111
%RSD	.4527	28.82	1.032	.0446	.1288	.0564	2.084
#1	-.0052	.0017	.6103	.5677	.4825	.5399	.5391
#2	-.0051	.0026	.6014	.5680	.4834	.5403	.5235
Check ?	None	None	Chk Fail	Chk Pass	Chk Pass	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	**78468.**	**15794.**	**2024.4**	**3908.8**
Stddev	104.	202.	4.2	5.6
%RSD	.13190	1.2785	.20584	.14312
#1	78395.	15651.	2021.5	3904.8
#2	78541.	15937.	2027.4	3912.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 11:31:09 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.944**	**1.978**	**1.960**	**1.986**	**2.019**	**1.928**	**2.011**	**2.022**	**.2438**
Stddev	.013	.013	.003	.005	.021	.016	.019	.004	.0019
%RSD	.6719	.6734	.1372	.2435	1.062	.8028	.9622	.1717	.7670
#1	1.934	1.968	1.962	1.989	2.004	1.918	1.998	2.024	.2425
#2	1.953	1.987	1.959	1.982	2.034	1.939	2.025	2.019	.2451
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**	**2.018**	**1.975**	**2.023**	**2.012**	**1.965**	**1.975**	**38.88**	**39.27**
Stddev	.018	.000	.000	.002	.003	.003	.001	.22	.16
%RSD	.8956	.0145	.0183	.0950	.1620	.1493	.0488	.5608	.4040
#1	1.986	2.019	1.975	2.025	2.015	1.967	1.975	38.72	39.16
#2	2.011	2.018	1.975	2.022	2.010	1.963	1.974	39.03	39.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.50**	**39.85**	**38.84**	**39.54**	**1.998**	**2.001**	**1.961**	**4.951**	**2.026**
Stddev	.29	.14	.32	.17	.001	.000	.014	.005	.003
%RSD	.7382	.3443	.8322	.4394	.0233	.0221	.7160	.1064	.1659
#1	39.29	39.75	38.61	39.42	1.998	2.002	1.951	4.955	2.029
#2	39.70	39.95	39.06	39.66	1.998	2.001	1.971	4.948	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: 6/5/2014 11:31:09 Type: QC
Method: Accutest 2(v55) 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	**1.939**	**1.988**	**2.064**	**2.006**	**1.942**	**2.001**	**1.960**
Stddev	.015	.018	.020	.018	.005	.002	.010
%RSD	.7841	.9020	.9725	.9087	.2381	.0951	.5312
#1	1.929	1.976	2.078	1.993	1.945	2.002	1.952
#2	1.950	2.001	2.050	2.019	1.939	2.000	1.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85692.**	**16154.**	**2197.6**	**4367.5**
Stddev	422.	27.	1.7	2.1
%RSD	.49247	.16763	.07574	.04775
#1	85991.	16173.	2198.8	4366.0
#2	85394.	16135.	2196.4	4369.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 11:34:05 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0000**	**.0002**	**-.0001**	**-.0001**	**.0001**	**.0001**	**.0004**	**.0004**
Stddev	.0003	.0001	.0001	.0001	.0002	.0006	.0000	.0001	.0001
%RSD	41.90	178.6	49.39	58.08	244.2	387.7	18.55	17.80	17.12
#1	.0008	.0000	.0002	-.0002	-.0002	-.0003	.0001	.0003	.0004
#2	.0004	-.0001	.0001	-.0001	.0001	.0005	.0002	.0004	.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**	**.0004**	**-.0003**	**-.0008**	**-.0010**	**-.0015**	**.0002**	**-.0055**	**.0040**
Stddev	.0003	.0001	.0015	.0003	.0011	.0002	.0006	.0036	.0040
%RSD	101.3	37.94	535.7	43.92	113.6	10.22	297.6	66.07	99.99
#1	.0001	.0005	.0008	-.0005	-.0002	-.0014	-.0002	-.0029	.0068
#2	.0005	.0003	-.0014	-.0010	-.0018	-.0016	.0006	-.0080	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	**-.0032**	**.0295**	**-.0039**	**.0018**	**.0015**	**-.0010**	**.0006**	F **.0013**
Stddev	.0008	.0019	.0443	.0020	.0007	.0001	.0011	.0010	.0006
%RSD	17.96	60.90	150.2	49.74	39.20	3.729	111.6	169.6	46.10
#1	.0040	-.0046	-.0018	-.0025	.0023	.0015	-.0002	-.0001	.0009
#2	.0052	-.0018	.0608	-.0053	.0013	.0014	-.0017	.0013	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									.0012
Low Limit									-.0012

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 11:34:05 Type: QC
Method: Accutest 2(v55) 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**	**-.0001**	F **.0366**	F **.0011**	**-.0018**	**.0011**	**.0014**
Stddev	.0000	.0002	.0018	.0000	.0014	.0009	.0000
%RSD	4.214	172.9	4.927	3.562	79.16	83.25	2.773
#1	.0003	-.0003	.0354	.0011	-.0008	.0004	.0014
#2	.0003	.0000	.0379	.0011	-.0028	.0017	.0014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050	.0010			
Low Limit			-.0050	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90460.**	**16320.**	**2283.5**	**4822.8**
Stddev	880.	51.	3.0	3.5
%RSD	.97287	.31243	.13270	.07266
#1	91082.	16356.	2285.6	4820.4
#2	89838.	16284.	2281.3	4825.3

Zoom In Zoom Out

Sample Name: jb68032-15fconf Acquired: 6/5/2014 11:37:17 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.1368**	**.0004**	**.0008**	**.0107**	**.0006**	**.0083**	**.6928**	**.0075**	**.0004**
Stddev	.0001	.0000	.0002	.0000	.0001	.0003	.0066	.0002	.0003
%RSD	.0718	5.091	19.17	.1179	18.26	3.972	.9489	3.217	80.11
#1	.1367	.0005	.0007	.0107	.0005	.0081	.6881	.0073	.0007
#2	.1369	.0004	.0009	.0107	.0007	.0086	.6974	.0077	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0427**	**.0017**	**.0004**	**-.0005**	**-.0018**	**-.0004**	**.6084**	**17.68**
Stddev	.0000	.0002	.0007	.0004	.0006	.0021	.0003	.0036	.04
%RSD	.0193	.3613	43.17	89.75	119.0	120.1	74.96	.5888	.1978
#1	.0007	.0428	.0012	.0006	-.0009	-.0003	-.0006	.6109	17.66
#2	.0007	.0426	.0023	.0001	-.0001	-.0032	-.0002	.6059	17.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1864**	**9.112**	**5.940**	**14.25**	**.0548**	**.0011**	**-.0009**	**2.732**	**-.0009**
Stddev	.0022	.050	.035	.01	.0000	.0001	.0013	.004	.0000
%RSD	1.195	.5430	.5879	.0577	.0086	10.29	144.2	.1523	.0354
#1	.1880	9.077	5.964	14.26	.0548	.0011	.0000	2.735	-.0009
#2	.1849	9.147	5.915	14.24	.0548	.0010	-.0019	2.729	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0669**	**.0006**	**.0315**	**.0005**	**5.863**	**-.0002**	**.0031**
Stddev	.0001	.0001	.0025	.0002	.021	.0008	.0016
%RSD	.1073	24.90	7.923	40.22	.3656	470.2	51.10
#1	.0669	.0007	.0298	.0003	5.878	.0004	.0020
#2	.0670	.0005	.0333	.0006	5.848	-.0008	.0042

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89202.**	**16452.**	**2256.1**	**4657.9**
Stddev	489.	45.	1.0	3.0
%RSD	.54770	.27133	.04283	.06451
#1	89548.	16484.	2256.7	4655.8
#2	88857.	16421.	2255.4	4660.1

Zoom In Zoom Out

Sample Name: jb68032-15fundconf Acquired: 6/5/2014 11:40:26 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.1372**	**.0003**	**.0008**	**.0110**	**.0009**	**.0084**	**.6983**	**.0072**	**.0003**
Stddev	.0005	.0000	.0002	.0003	.0000	.0007	.0044	.0003	.0007
%RSD	.3689	5.705	22.82	2.886	.1769	7.877	.6233	4.533	242.3
#1	.1375	.0003	.0009	.0112	.0009	.0080	.6952	.0075	-.0002
#2	.1368	.0003	.0006	.0107	.0009	.0089	.7014	.0070	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0432**	**.0013**	**.0030**	**-.0009**	**-.0003**	**-.0005**	**.6153**	**17.91**
Stddev	.0000	.0017	.0025	.0000	.0003	.0002	.0002	.0028	.13
%RSD	11.94	4.017	193.1	1.626	29.19	64.97	34.00	.4493	.7228
#1	.0003	.0444	.0030	.0029	-.0007	-.0002	-.0006	.6173	18.00
#2	.0004	.0419	-.0005	.0030	-.0011	-.0005	-.0004	.6134	17.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1849**	**9.427**	**6.038**	**14.47**	**.0565**	**.0000**	**.0007**	**2.797**	**-.0004**
Stddev	.0029	.034	.058	.12	.0027	.0000	.0005	.128	.0009
%RSD	1.576	.3592	.9635	.7965	4.769	196.1	76.72	4.565	247.2
#1	.1870	9.450	6.079	14.55	.0584	.0000	.0011	2.887	-.0010
#2	.1829	9.403	5.997	14.39	.0546	-.0000	.0003	2.707	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0670**	**.0008**	**.0021**	**-.0003**	**6.163**	**.0025**	**.0029**
Stddev	.0003	.0000	.0009	.0001	.302	.0009	.0004
%RSD	.4002	1.328	41.61	33.28	4.906	36.03	13.49
#1	.0672	.0007	.0015	-.0002	6.376	.0031	.0026
#2	.0668	.0008	.0027	-.0004	5.949	.0019	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91233.**	**16611.**	**2304.4**	**4781.3**
Stddev	1179.	46.	64.7	121.5
%RSD	1.2923	.27664	2.8090	2.5406
#1	92067.	16578.	2258.6	4695.4
#2	90400.	16643.	2350.2	4867.2

Zoom In Zoom Out

Sample Name: mp79719-mb1conf Acquired: 6/5/2014 11:43:35 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.0081**	**-.0000**	**-.0001**	**.0009**	**.0136**	**.0053**	**.0069**	**.0070**	**-.0007**
Stddev	.0010	.0001	.0000	.0001	.0002	.0002	.0001	.0005	.0003
%RSD	12.19	694.3	35.14	9.313	1.309	3.039	.7359	6.521	41.16
#1	.0088	-.0001	-.0001	.0008	.0138	.0054	.0069	.0067	-.0009
#2	.0074	.0000	-.0002	.0010	.0135	.0052	.0068	.0073	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0146**	**.0003**	**-.0037**	**.0042**	**.0011**	**.0010**	**.0786**	**.5966**
Stddev	.0002	.0028	.0004	.0016	.0006	.0031	.0001	.0077	.0623
%RSD	88.27	19.11	151.8	43.56	13.28	286.2	11.86	9.850	10.45
#1	.0001	.0166	-.0000	-.0026	.0046	-.0011	.0009	.0840	.6407
#2	.0004	.0126	.0005	-.0049	.0038	.0033	.0010	.0731	.5526

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0292**	**.3779**	**.0878**	**1173.**	**.0435**	**.0009**	**-.0015**	**.8519**	**.0014**
Stddev	.0029	.0138	.2367	103.	.0002	.0002	.0001	.0011	.0003
%RSD	9.855	3.655	269.5	8.745	.5646	19.37	6.816	.1245	20.74
#1	.0312	.3877	.2552	1246.	.0433	.0008	-.0015	.8511	.0016
#2	.0271	.3682	-.0795	1101.	.0437	.0010	-.0014	.8526	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0106**	**-.0001**	**.0158**	**.0005**	**.0336**	**-.0003**	**.0024**
Stddev	.0011	.0001	.0019	.0000	.0061	.0020	.0006
%RSD	10.06	61.59	12.22	2.569	18.09	766.7	25.00
#1	.0113	-.0001	.0144	.0006	.0378	-.0017	.0029
#2	.0098	-.0001	.0172	.0005	.0293	.0012	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78827.**	*****	**2048.8**	**3835.2**
Stddev	533.	-----	1.2	.2
%RSD	.67611	-----	.05730	.00499
#1	78451.	-----	2049.6	3835.1
#2	79204.	15864.	2047.9	3835.3

Zoom In Zoom Out

Sample Name: mp79719-s1 2 Acquired: 6/5/2014 11:46:50 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.680**	**.0498**	**.0612**	**.5369**	**.2100**	**.2661**	**4.785**	**.5728**	**.0506**
Stddev	.012	.0002	.0002	.0012	.0013	.0025	.007	.0010	.0006
%RSD	.4528	.4032	.2944	.2209	.5969	.9346	.1403	.1690	1.147
#1	2.671	.0497	.0610	.5361	.2091	.2679	4.780	.5735	.0502
#2	2.688	.0499	.0613	.5378	.2109	.2644	4.790	.5722	.0510

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5045**	**.7869**	**2.202**	**2.068**	**2.086**	**2.182**	**.5459**	**2.745**	**1934.**
Stddev	.0020	.0033	.003	.004	.007	.001	.0089	.041	13.
%RSD	.3901	.4241	.1382	.1759	.3344	.0556	1.626	1.481	.6914
#1	.5059	.7893	2.204	2.070	2.091	2.183	.5396	2.716	1944.
#2	.5031	.7846	2.200	2.065	2.081	2.181	.5521	2.774	1925.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.341**	**34.40**	**5.540**	**13.60**	**.3167**	**.0062**	**.0633**	**23.28**	**-.0003**
Stddev	.022	.13	.085	.01	.0008	.0012	.0052	.00	.0014
%RSD	.9225	.3745	1.533	.0616	.2552	19.80	8.267	.0063	423.8
#1	2.326	34.31	5.480	13.60	.3173	.0071	.0670	23.28	.0007
#2	2.356	34.49	5.600	13.61	.3161	.0053	.0596	23.28	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**14.38**	**.0111**	**.0749**	**-.0014**	**24.45**	**.0565**	**.0793**
Stddev	.20	.0023	.0013	.0003	.00	.0026	.0046
%RSD	1.421	20.78	1.775	21.42	.0128	4.647	5.774
#1	14.24	.0095	.0740	-.0012	24.46	.0584	.0826
#2	14.53	.0128	.0758	-.0016	24.45	.0547	.0761

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82433.**	**16140.**	**2065.8**	**4058.1**
Stddev	341.	37.	3.4	4.3
%RSD	.41325	.23216	.16660	.10620
#1	82674.	16166.	2068.2	4061.2
#2	82193.	16113.	2063.3	4055.1

Zoom In Zoom Out

Sample Name: mp79719-s2 Acquired: 6/5/2014 11:50:02 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.752**	**.0507**	**.0644**	**.5471**	**.2145**	**.2711**	**4.920**	**.5840**	**.0524**
Stddev	.029	.0009	.0014	.0023	.0020	.0008	.032	.0000	.0008
%RSD	1.037	1.687	2.136	.4257	.9328	.2789	.6443	.0040	1.475
#1	2.772	.0513	.0653	.5487	.2159	.2716	4.942	.5840	.0529
#2	2.732	.0501	.0634	.5455	.2131	.2706	4.898	.5840	.0519

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5176**	**.8103**	**2.255**	**2.120**	**2.132**	**2.247**	**.5627**	**2.817**	**2006.**
Stddev	.0046	.0026	.003	.005	.001	.004	.0038	.004	5.
%RSD	.8874	.3169	.1350	.2421	.0548	.1833	.6805	.1510	.2729
#1	.5208	.8121	2.252	2.117	2.133	2.250	.5600	2.820	2010.
#2	.5143	.8085	2.257	2.124	2.131	2.244	.5654	2.814	2002.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.406**	**35.53**	**5.654**	**13.65**	**.3335**	**.0063**	**.0674**	**24.12**	**.0006**
Stddev	.014	.12	.109	.12	.0013	.0001	.0046	.01	.0006
%RSD	.5989	.3300	1.926	.8438	.3815	1.819	6.755	.0239	111.1
#1	2.416	35.61	5.577	13.73	.3344	.0064	.0707	24.11	.0010
#2	2.396	35.45	5.731	13.57	.3326	.0062	.0642	24.12	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**15.04**	**.0107**	**.0653**	**-.0017**	**25.31**	**.0644**	**.0810**
Stddev	.01	.0023	.0074	.0001	.05	.0042	.0013
%RSD	.0367	21.10	11.27	4.333	.1897	6.512	1.647
#1	15.04	.0123	.0601	-.0017	25.34	.0614	.0820
#2	15.03	.0091	.0705	-.0018	25.27	.0674	.0801

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81929.**	**16005.**	**2051.3**	**4035.1**
Stddev	624.	19.	.4	.7
%RSD	.76111	.11601	.01933	.01787
#1	81488.	16018.	2051.6	4035.6
#2	82370.	15992.	2051.0	4034.6

Zoom In Zoom Out

Sample Name: jb67667-2a Acquired: 6/5/2014 11:53:15 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6632**	**-.0008**	**.0103**	**.0255**	**.0030**	**.0164**	**4.233**	**.0444**	**.0053**
Stddev	.0037	.0001	.0001	.0005	.0003	.0015	.001	.0018	.0018
%RSD	.5612	9.755	1.088	1.990	9.099	9.271	.0333	4.134	33.82
#1	.6658	-.0007	.0102	.0259	.0028	.0154	4.234	.0457	.0066
#2	.6605	-.0009	.0103	.0252	.0032	.0175	4.232	.0431	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0114**	**.2709**	**-.0007**	**.0261**	**-.0044**	**-.0080**	**.0008**	**.7039**	**1921.**
Stddev	.0002	.0003	.0059	.0065	.0020	.0040	.0013	.0146	51.
%RSD	2.010	.1004	809.6	24.85	45.32	50.26	158.0	2.080	2.660
#1	.0112	.2707	.0034	.0215	-.0058	-.0109	.0018	.6936	1957.
#2	.0115	.2711	-.0049	.0307	-.0030	-.0052	-.0001	.7143	1885.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.258**	**34.03**	**5.375**	**13.01**	**.3200**	**.0054**	**.0608**	**23.33**	**-.0015**
Stddev	.005	.31	.041	.09	.0025	.0002	.0068	.13	.0004
%RSD	.3884	.9069	.7621	.7187	.7721	3.966	11.22	.5384	25.90
#1	1.262	34.25	5.404	13.08	.3183	.0052	.0657	23.24	-.0012
#2	1.255	33.81	5.346	12.95	.3218	.0055	.0560	23.42	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**14.26**	**.0098**	**.0586**	**-.0023**	**24.61**	**.0536**	**.0756**
Stddev	.18	.0013	.0058	.0006	.17	.0113	.0013
%RSD	1.281	13.20	9.981	27.13	.6793	21.02	1.691
#1	14.39	.0089	.0544	-.0028	24.49	.0616	.0765
#2	14.13	.0107	.0627	-.0019	24.72	.0456	.0747

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81551.**	**15985.**	**2058.7**	**4040.8**
Stddev	113.	188.	7.3	15.2
%RSD	.13865	1.1745	.35488	.37604
#1	81630.	15853.	2053.6	4030.1
#2	81471.	16118.	2063.9	4051.6

Zoom In Zoom Out

Sample Name: mp79719-sd1 Acquired: 6/5/2014 11:56:34 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 15.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6566**	**-.0023**	**.0094**	**.0236**	**.0065**	**.0226**	**4.176**	**.0469**	**-.0016**
Stddev	.0067	.0002	.0015	.0065	.0033	.0014	.022	.0008	.0051
%RSD	1.019	10.04	15.88	27.68	50.82	6.078	.5218	1.681	316.3
#1	.6614	-.0024	.0105	.0190	.0088	.0236	4.160	.0474	-.0052
#2	.6519	-.0021	.0084	.0282	.0042	.0216	4.191	.0463	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0106**	**.2985**	**.0186**	**.0277**	**-.0089**	**-.0447**	**-.0064**	**.6399**	**1947.**
Stddev	.0010	.0009	.0079	.0148	.0211	.0268	.0253	.1677	6.
%RSD	8.961	.2974	42.46	53.55	237.5	60.03	393.0	26.21	.3225
#1	.0099	.2979	.0130	.0382	.0060	-.0257	.0115	.5213	1952.
#2	.0113	.2992	.0242	.0172	-.0238	-.0636	-.0243	.7585	1943.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.282**	**34.53**	**4.771**	**12.69**	**.3170**	**.0023**	**.0396**	**22.12**	**-.0176**
Stddev	.055	.55	.198	.09	.0032	.0024	.0041	.03	.0139
%RSD	4.307	1.581	4.159	.7108	1.014	105.4	10.35	.1312	79.03
#1	1.321	34.92	4.631	12.76	.3147	.0040	.0367	22.14	-.0078
#2	1.243	34.15	4.911	12.63	.3193	.0006	.0425	22.10	-.0275

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**14.13**	**.0020**	**.0900**	**.0008**	**22.65**	**.0364**	**.1023**
Stddev	.05	.0056	.0097	.0013	.06	.0001	.0015
%RSD	.3780	274.2	10.76	175.1	.2655	.2691	1.420
#1	14.17	-.0019	.0831	.0017	22.69	.0365	.1033
#2	14.10	.0060	.0968	-.0002	22.61	.0364	.1013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86276.**	**16085.**	**2190.9**	**4472.8**
Stddev	766.	39.	8.3	6.0
%RSD	.88812	.24320	.37963	.13492
#1	86818.	16057.	2196.8	4477.0
#2	85734.	16113.	2185.1	4468.5

Zoom In Zoom Out

Sample Name: jb68032-15undconf Acquired: 6/5/2014 11:59:42 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**-.0002**	**-.0002**	**-.0000**	**-.0003**	**.0003**	**.0002**	**.0005**	**-.0002**
Stddev	.0002	.0000	.0000	.0001	.0002	.0001	.0000	.0001	.0001
%RSD	32.27	5.728	24.25	2516.	92.40	21.01	12.73	13.07	35.53
#1	.0004	-.0002	-.0002	.0001	-.0004	.0003	.0002	.0004	-.0002
#2	.0006	-.0002	-.0001	-.0001	-.0001	.0002	.0002	.0005	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0008**	**-.0200**	**-.0200**	**.0121**	**-.0045**	**-.0015**	**-.0079**	**.0227**
Stddev	.0000	.0001	.0009	.0003	.0005	.0024	.0005	.0012	.0138
%RSD	1.385	7.371	4.607	1.402	4.201	53.54	35.54	15.22	60.66
#1	-.0002	.0008	-.0194	-.0202	.0125	-.0028	-.0011	-.0088	.0324
#2	-.0002	.0008	-.0207	-.0198	.0118	-.0063	-.0018	-.0071	.0130

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0032**	**-.0083**	**-.0149**	**.0248**	**-.0001**	**-.0001**	**.0435**	**.0066**	**-.0012**
Stddev	.0019	.0198	.0370	.0006	.0006	.0002	.0001	.0004	.0003
%RSD	59.57	238.2	247.9	2.398	417.4	159.3	.1607	5.867	23.72
#1	-.0046	-.0223	-.0410	.0243	-.0005	.0000	.0436	.0069	-.0010
#2	-.0019	.0057	.0112	.0252	.0003	-.0003	.0435	.0063	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**-.0007**	**.0017**	**1973.**	**.0013**	**.0022**
Stddev	.0001	.0005	.0003	.0001	.	.0009	.0003
%RSD	79.74	587.1	47.69	4.546	.0027	71.06	14.02
#1	.0002	.0002	-.0009	.0016	1973.	.0006	.0024
#2	.0001	-.0004	-.0004	.0017	1973.	.0019	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90115.**	**16405.**	**2322.2**	**4948.3**
Stddev	261.	40.	1.7	2.2
%RSD	.28981	.24387	.07150	.04418
#1	89930.	16376.	2321.0	4949.8
#2	90300.	16433.	2323.4	4946.7

Zoom In Zoom Out

Sample Name: mp79830-mb1 2 Acquired: 6/5/2014 12:02:59 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**-.0002**	**-.0004**	**.0007**	**.0001**	**.0004**	**-.0005**
Stddev	.0001	.0001	.0001	.0001	.0000	.0003	.0001	.0003	.0001
%RSD	87.84	265.3	142.1	57.55	2.138	40.88	56.15	74.87	19.63
#1	.0001	-.0001	-.0002	-.0001	-.0004	.0005	.0001	.0002	-.0006
#2	.0003	.0000	.0000	-.0003	-.0004	.0009	.0002	.0006	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0051**	**.0001**	**-.0015**	**-.0003**	**-.0013**	**.0017**	**.0032**	**.0223**
Stddev	.0002	.0000	.0010	.0008	.0009	.0026	.0009	.0061	.0008
%RSD	101.0	.8671	720.6	54.12	257.8	194.2	50.62	191.0	3.666
#1	.0003	.0052	-.0006	-.0021	.0003	-.0032	.0011	.0076	.0229
#2	.0001	.0051	.0009	-.0009	-.0010	.0005	.0023	-.0011	.0217

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0040**	**.0077**	**-.0399**	**.0447**	**.0003**	**.0003**	**-.0013**	**.0083**	**.0009**
Stddev	.0041	.0054	.0094	.0027	.0007	.0001	.0002	.0001	.0001
%RSD	102.3	70.28	23.53	6.130	209.0	22.58	13.76	1.166	10.03
#1	.0011	.0115	-.0332	.0467	-.0002	.0004	-.0014	.0084	.0009
#2	.0069	.0038	-.0465	.0428	.0008	.0003	-.0012	.0083	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0064**	**.0001**	**.2229**	**-.0008**	**.0022**
Stddev	.0001	.0001	.0014	.0001	.0304	.0004	.0004
%RSD	143.6	99.66	21.49	78.45	13.63	45.69	18.42
#1	.0002	-.0002	.0054	.0002	.2443	-.0006	.0020
#2	-.0000	-.0000	.0074	.0001	.2014	-.0011	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89836.**	**16399.**	**2293.6**	**4842.5**
Stddev	365.	70.	8.7	17.7
%RSD	.40576	.42513	.38063	.36588
#1	90094.	16448.	2287.5	4829.9
#2	89579.	16350.	2299.8	4855.0

Zoom In Zoom Out

Sample Name: mp79830-mb2 Acquired: 6/5/2014 12:06:11 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**.0000**	**-.0000**	**-.0003**	**.0009**	**.0001**	**.0001**	**.0004**
Stddev	.0002	.0000	.0000	.0001	.0001	.0004	.0000	.0001	.0006
%RSD	81.71	13.63	1.436	406.5	45.83	46.14	10.28	103.5	126.0
#1	.0001	-.0001	.0000	-.0001	-.0002	.0012	.0001	.0000	.0000
#2	.0004	-.0001	.0000	.0000	-.0004	.0006	.0001	.0001	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0030**	**-.0011**	**.0003**	**-.0012**	**.0007**	**-.0045**	**.0116**
Stddev	.0001	.0000	.0016	.0020	.0002	.0024	.0010	.0025	.0016
%RSD	128.2	4.585	53.03	185.4	64.79	202.6	131.1	56.00	14.00
#1	.0002	.0010	-.0019	.0003	.0004	.0005	.0014	-.0027	.0104
#2	.0000	.0010	-.0041	-.0024	.0001	-.0028	.0001	-.0063	.0127

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0066**	**-.0113**	**-.0485**	**.0295**	**.0008**	**.0004**	**-.0007**	**.0098**	**.0009**
Stddev	.0021	.0166	.0508	.0069	.0003	.0000	.0004	.0003	.0003
%RSD	31.41	147.7	104.8	23.49	33.58	8.343	57.42	3.257	36.48
#1	.0051	-.0230	-.0126	.0344	.0009	.0003	-.0009	.0100	.0011
#2	.0080	.0005	-.0845	.0246	.0006	.0004	-.0004	.0096	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**.0064**	**.0002**	**.1176**	**-.0010**	**.0027**
Stddev	.0000	.0002	.0003	.0000	.0085	.0021	.0003
%RSD	3.255	43.69	3.940	3.395	7.250	206.7	11.59
#1	.0001	.0006	.0063	.0002	.1236	.0005	.0030
#2	.0001	.0003	.0066	.0002	.1116	-.0024	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90321.**	**16552.**	**2300.2**	**4854.4**
Stddev	779.	6.	14.0	28.0
%RSD	.86287	.03718	.60862	.57739
#1	90872.	16548.	2290.3	4834.6
#2	89770.	16557.	2310.1	4874.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 12:09:23 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.917**	**1.953**	**1.943**	**1.984**	**2.026**	**1.923**	**2.008**	**2.027**	**.2440**
Stddev	.004	.006	.003	.002	.018	.016	.016	.001	.0023
%RSD	.2280	.3111	.1629	.1153	.8939	.8546	.7967	.0531	.9259
#1	1.914	1.948	1.946	1.985	2.014	1.911	1.997	2.027	.2424
#2	1.920	1.957	1.941	1.982	2.039	1.935	2.020	2.028	.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	**1.993**	**2.017**	**1.978**	**2.006**	**2.011**	**1.958**	**1.972**	**38.28**	**38.54**
Stddev	.016	.001	.004	.001	.002	.004	.002	.19	.15
%RSD	.8015	.0588	.1912	.0364	.0998	.2203	.0980	.5060	.3873
#1	1.982	2.017	1.980	2.005	2.013	1.955	1.973	38.14	38.44
#2	2.004	2.016	1.975	2.006	2.010	1.961	1.971	38.42	38.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.81**	**39.41**	**38.61**	**39.05**	**1.995**	**1.991**	**1.957**	**4.932**	**2.024**
Stddev	.19	.22	.04	.06	.007	.003	.017	.000	.004
%RSD	.4774	.5530	.0918	.1550	.3299	.1276	.8883	.0041	.2096
#1	38.68	39.26	38.58	39.01	2.000	1.993	1.945	4.932	2.027
#2	38.94	39.56	38.63	39.10	1.991	1.989	1.969	4.932	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: 6/5/2014 12:09:23 Type: QC
Method: Accutest 2(v55) 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	**1.910**	**1.994**	**2.049**	**2.003**	**2.019**	**1.994**	**1.938**
Stddev	.005	.017	.017	.016	.005	.002	.005
%RSD	.2785	.8752	.8034	.7796	.2572	.1039	.2503
#1	1.906	1.981	2.061	1.992	2.023	1.996	1.935
#2	1.913	2.006	2.037	2.014	2.016	1.993	1.941
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	**85435.**	**16197.**	**2200.8**	**4369.8**
Stddev	570.	68.	.5	.3
%RSD	.66745	.41739	.02284	.00755
#1	85839.	16245.	2201.1	4369.5
#2	85032.	16149.	2200.4	4370.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 12:12:19 Type: QC
Method: Accutest 2(v55) Mode: 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**	**.0002**	**.0000**	**-.0001**	**-.0003**	**.0002**	**.0003**	**.0000**
Stddev	.0001	.0000	.0002	.0003	.0001	.0002	.0001	.0003	.0007
%RSD	16.76	170.0	108.7	1939.	63.22	57.40	34.31	73.67	103900.
#1	.0004	-.0000	.0003	-.0002	-.0001	-.0004	.0002	.0002	-.0005
#2	.0004	.0000	.0000	.0002	-.0002	-.0002	.0001	.0005	.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	**.0004**	**.0002**	**.0010**	**-.0009**	**-.0010**	**-.0002**	**-.0006**	**-.0051**	**.0032**
Stddev	.0001	.0001	.0007	.0004	.0001	.0016	.0015	.0116	.0015
%RSD	36.01	37.35	71.92	48.92	12.40	949.1	250.8	226.2	48.39
#1	.0005	.0003	.0005	-.0006	-.0011	.0010	.0005	.0031	.0021
#2	.0003	.0002	.0015	-.0012	-.0009	-.0013	-.0016	-.0133	.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	**.0033**	**-.0105**	**-.0225**	**.0059**	**.0014**	**.0017**	**-.0000**	**.0004**	**.0002**
Stddev	.0034	.0022	.0286	.0036	.0007	.0001	.0011	.0009	.0001
%RSD	102.0	20.96	127.4	61.34	49.88	6.531	83130.	203.2	54.37
#1	.0009	-.0121	-.0427	.0033	.0009	.0016	-.0008	.0011	.0003
#2	.0057	-.0090	-.0022	.0085	.0019	.0017	.0008	-.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 12:12:19 Type: QC
Method: Accutest 2(v55) 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**	**F .0329**	**.0009**	**F .0791**	**-.0004**	**.0023**
Stddev	.0000	.0004	.0027	.0003	.0043	.0007	.0006
%RSD	7.053	159.3	8.134	30.33	5.448	153.5	25.26
#1	.0002	.0000	.0310	.0007	.0822	.0000	.0019
#2	.0002	-.0005	.0348	.0011	.0761	-.0009	.0027
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0050		.0150		
Low Limit			-.0050		-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89827.**	**16267.**	**2284.3**	**4813.8**
Stddev	373.	28.	4.2	8.7
%RSD	.41542	.16931	.18425	.17976
#1	90091.	16287.	2287.3	4820.0
#2	89563.	16248.	2281.3	4807.7

Zoom In Zoom Out

Sample Name: mp79830-lc1 Acquired: 6/5/2014 12:15:31 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.4892**	**.4894**	**.4879**	**.4870**	**.5127**	**.4759**	**.5065**	**.5070**	**.1910**
Stddev	.0020	.0039	.0022	.0021	.0047	.0018	.0042	.0017	.0006
%RSD	.4055	.8038	.4493	.4243	.9121	.3839	.8333	.3319	.3133
#1	.4878	.4866	.4895	.4885	.5094	.4746	.5036	.5082	.1906
#2	.4906	.4922	.4864	.4855	.5160	.4772	.5095	.5058	.1915

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4799**	**.5125**	**.4936**	**.5227**	**.5007**	**.4870**	**.4944**	**4.890**	**5.473**
Stddev	.0034	.0013	.0026	.0019	.0019	.0000	.0046	.042	.052
%RSD	.7041	.2552	.5210	.3658	.3752	.0072	.9219	.8548	.9551
#1	.4775	.5135	.4954	.5240	.5020	.4870	.4976	4.860	5.436
#2	.4823	.5116	.4918	.5213	.4994	.4870	.4911	4.919	5.510

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.538**	**5.504**	**9.752**	**9.938**	**.0062**	**.4969**	**.0023**	**.0319**	**-.0002**
Stddev	.029	.056	.031	.060	.0000	.0012	.0017	.0011	.0001
%RSD	.5185	1.012	.3223	.6048	.7381	.2350	76.42	3.383	65.65
#1	5.517	5.465	9.730	9.896	.0061	.4978	.0011	.0327	-.0001
#2	5.558	5.543	9.775	9.981	.0062	.4961	.0035	.0312	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5081**	**.0348**	**.0007**	**.0928**	**.0102**	**.0027**
Stddev	.0000	.0034	.0041	.0001	.0016	.0009	.0009
%RSD	27.22	.6626	11.85	14.58	1.722	8.710	33.45
#1	-.0001	.5058	.0319	.0006	.0917	.0096	.0020
#2	-.0000	.5105	.0377	.0008	.0939	.0108	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88680.**	**16496.**	**2241.7**	**4628.5**
Stddev	469.	255.	9.6	15.3
%RSD	.52840	1.5478	.42678	.33052
#1	89011.	16676.	2234.9	4617.7
#2	88348.	16315.	2248.5	4639.4

Zoom In Zoom Out

Sample Name: mp79830-lc2 Acquired: 6/5/2014 12:18:34 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.4839**	**.4830**	**.4823**	**.4820**	**.5091**	**.4694**	**.5025**	**.5017**	**.1895**
Stddev	.0063	.0055	.0018	.0013	.0029	.0026	.0036	.0030	.0015
%RSD	1.304	1.143	.3724	.2760	.5760	.5578	.7225	.5962	.8023
#1	.4795	.4791	.4836	.4829	.5070	.4675	.5000	.5038	.1884
#2	.4884	.4869	.4811	.4810	.5112	.4712	.5051	.4996	.1905

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4756**	**.5086**	**.4893**	**.5196**	**.4948**	**.4813**	**.4872**	**4.821**	**5.420**
Stddev	.0030	.0043	.0018	.0028	.0028	.0039	.0024	.078	.064
%RSD	.6221	.8454	.3704	.5478	.5614	.8124	.4915	1.610	1.187
#1	.4735	.5116	.4906	.5216	.4968	.4841	.4888	4.766	5.375
#2	.4776	.5055	.4880	.5176	.4928	.4786	.4855	4.876	5.466

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.490**	**5.437**	**9.632**	**9.836**	**.0064**	**.4912**	**.0009**	**.0367**	**.0004**
Stddev	.091	.074	.138	.105	.0003	.0021	.0005	.0015	.0014
%RSD	1.652	1.358	1.428	1.065	3.935	.4190	51.00	3.999	375.4
#1	5.426	5.385	9.534	9.762	.0066	.4927	.0013	.0377	.0013
#2	5.554	5.489	9.729	9.910	.0062	.4897	.0006	.0356	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.5039**	**.0239**	**.0008**	**.0882**	**.0113**	**.0014**
Stddev	.0001	.0032	.0017	.0001	.0031	.0010	.0010
%RSD	230.6	.6288	7.195	15.47	3.559	8.701	67.66
#1	-.0001	.5017	.0227	.0009	.0904	.0120	.0007
#2	.0000	.5061	.0251	.0007	.0859	.0106	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88823.**	**16454.**	**2252.8**	**4653.1**
Stddev	78.	177.	8.4	12.8
%RSD	.08783	1.0727	.37409	.27433
#1	88878.	16579.	2246.8	4644.0
#2	88768.	16330.	2258.7	4662.1

Zoom In Zoom Out

Sample Name: mp79830-s1 Acquired: 6/5/2014 12:21:37 Type: Unk
Method: Accutest 2(v55) Mode: 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	**2.184**	**.0509**	**.0489**	**.5031**	**.2113**	**.2535**	**.8098**	**.5183**	**.0510**
Stddev	.006	.0001	.0002	.0013	.0008	.0018	.0033	.0002	.0005
%RSD	.2742	.2325	.3939	.2621	.3684	.7100	.4028	.0348	.9090
#1	2.180	.0510	.0490	.5041	.2108	.2522	.8074	.5185	.0506
#2	2.189	.0508	.0487	.5022	.2119	.2548	.8121	.5182	.0513

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4904**	**.5433**	**2.034**	**2.045**	**.4977**	**1.967**	**.4986**	**2.337**	**61.63**
Stddev	.0009	.0008	.006	.010	.0021	.008	.0039	.016	.06
%RSD	.1898	.1386	.2933	.4899	.4221	.3989	.7764	.6743	.1023
#1	.4897	.5438	2.038	2.052	.4992	1.973	.5013	2.326	61.58
#2	.4911	.5428	2.029	2.038	.4963	1.962	.4958	2.349	61.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.642**	**44.35**	**26.43**	**39.29**	**.0287**	**.0559**	**.0014**	**13.07**	**-.0014**
Stddev	.012	.12	.08	.04	.0003	.0001	.0005	.02	.0005
%RSD	.4497	.2638	.3072	.1115	.8732	.2566	37.42	.1808	37.89
#1	2.634	44.27	26.37	39.26	.0285	.0560	.0010	13.08	-.0010
#2	2.651	44.43	26.48	39.33	.0289	.0558	.0017	13.05	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3244**	**.0120**	**.0291**	**-.0020**	**6.040**	**-.0020**	**.0269**
Stddev	.0013	.0002	.0003	.0003	.009	.0009	.0007
%RSD	.4156	1.462	1.069	12.80	.1517	45.72	2.546
#1	.3235	.0121	.0289	-.0018	6.046	-.0013	.0265
#2	.3254	.0119	.0293	-.0021	6.033	-.0026	.0274

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87072.**	**16344.**	**2219.6**	**4433.2**
Stddev	276.	14.	3.3	5.3
%RSD	.31680	.08749	.14925	.12025
#1	87267.	16354.	2222.0	4437.0
#2	86877.	16334.	2217.3	4429.4

Zoom In Zoom Out

Sample Name: mp79830-s2 Acquired: 6/5/2014 12:24:36 Type: Unk
Method: Accutest 2(v55) Mode: 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	**2.204**	**.0517**	**.0494**	**.5066**	**.2119**	**.2552**	**.8104**	**.5217**	**.0511**
Stddev	.001	.0000	.0000	.0002	.0011	.0019	.0055	.0003	.0016
%RSD	.0465	.0023	.0019	.0422	.4962	.7303	.6789	.0537	3.219
#1	2.203	.0517	.0494	.5064	.2112	.2539	.8065	.5219	.0499
#2	2.205	.0517	.0494	.5067	.2126	.2565	.8143	.5215	.0522

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4937**	**.5461**	**2.046**	**2.065**	**.5028**	**1.980**	**.5034**	**2.354**	**61.48**
Stddev	.0031	.0001	.000	.001	.0010	.001	.0021	.018	.03
%RSD	.6243	.0102	.0140	.0227	.1925	.0654	.4097	.7606	.0505
#1	.4915	.5462	2.046	2.064	.5035	1.979	.5049	2.342	61.46
#2	.4958	.5461	2.047	2.065	.5022	1.981	.5020	2.367	61.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.655**	**44.44**	**26.59**	**39.33**	**.0285**	**.0556**	**.0002**	**12.99**	**-.0017**
Stddev	.017	.05	.01	.05	.0003	.0001	.0008	.01	.0009
%RSD	.6419	.1153	.0331	.1279	.8895	.2381	328.3	.0729	52.09
#1	2.643	44.47	26.59	39.37	.0287	.0555	-.0003	13.00	-.0011
#2	2.667	44.40	26.60	39.30	.0283	.0557	.0008	12.98	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3242**	**.0115**	**.0279**	**-.0018**	**6.004**	**-.0008**	**.0262**
Stddev	.0008	.0005	.0009	.0001	.008	.0010	.0004
%RSD	.2532	4.547	3.369	8.003	.1329	125.3	1.563
#1	.3236	.0119	.0273	-.0019	5.998	-.0001	.0259
#2	.3248	.0111	.0286	-.0017	6.010	-.0015	.0265

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86822.**	**16219.**	**2208.0**	**4414.6**
Stddev	623.	36.	1.1	4.5
%RSD	.71722	.22215	.04802	.10215
#1	87262.	16244.	2208.8	4411.4
#2	86382.	16193.	2207.3	4417.8

Zoom In Zoom Out

Sample Name: jb68110-2 Acquired: 6/5/2014 12:27:34 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.2022**	**-.0001**	**.0002**	**-.0000**	**.0012**	**.0104**	**.2748**	**.0015**	**-.0001**
Stddev	.0005	.0000	.0000	.0002	.0004	.0005	.0010	.0002	.0005
%RSD	.2615	45.95	6.285	448.4	29.15	5.201	.3475	13.80	648.4
#1	.2026	-.0001	.0002	-.0002	.0010	.0100	.2741	.0017	-.0004
#2	.2018	-.0001	.0002	.0001	.0015	.0108	.2755	.0014	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0323**	**.0195**	**.0027**	**.0022**	**.0012**	**-.0003**	**.2850**	**34.80**
Stddev	.0000	.0002	.0004	.0012	.0008	.0036	.0024	.0101	.11
%RSD	1.999	.6316	2.283	45.88	37.75	297.0	716.5	3.536	.3050
#1	.0014	.0324	.0198	.0018	.0016	-.0013	.0014	.2921	34.88
#2	.0015	.0321	.0192	.0035	.0028	.0037	-.0021	.2779	34.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.488**	**17.45**	**1.511**	**13.07**	**.0266**	**.0499**	**-.0017**	**11.86**	**-.0013**
Stddev	.004	.09	.046	.06	.0003	.0003	.0001	.06	.0001
%RSD	.2657	.5173	3.060	.4769	1.270	.6658	5.562	.4814	6.307
#1	1.485	17.52	1.544	13.12	.0268	.0502	-.0018	11.90	-.0013
#2	1.491	17.39	1.479	13.03	.0263	.0497	-.0016	11.82	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3026**	**.0091**	**.0165**	**-.0017**	**5.480**	**-.0003**	**.0237**
Stddev	.0018	.0001	.0023	.0001	.036	.0001	.0005
%RSD	.5934	1.316	14.07	6.806	.6558	35.87	2.005
#1	.3039	.0092	.0181	-.0018	5.506	-.0004	.0240
#2	.3013	.0090	.0149	-.0016	5.455	-.0002	.0233

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88030.**	**16175.**	**2235.3**	**4592.0**
Stddev	339.	55.	2.8	11.2
%RSD	.38509	.33906	.12746	.24479
#1	88270.	16136.	2233.2	4584.1
#2	87790.	16214.	2237.3	4600.0

Zoom In Zoom Out

Sample Name: mp79830-sd1 Acquired: 6/5/2014 12:30:41 Type: Unk
Method: Accutest 2(v55) 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	**.2080**	**-.0011**	**-.0001**	**-.0001**	**.0006**	**.0075**	**.2814**	**.0051**	**-.0022**
Stddev	.0012	.0001	.0002	.0018	.0003	.0010	.0022	.0003	.0011
%RSD	.5899	13.13	169.8	2693.	54.74	12.96	.7807	6.378	50.27
#1	.2071	-.0010	-.0003	-.0013	.0009	.0081	.2798	.0049	-.0014
#2	.2088	-.0012	.0000	.0012	.0004	.0068	.2829	.0054	-.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0020**	**.0400**	**.0208**	**.0015**	**.0031**	**-.0111**	**-.0028**	**.2457**	**35.49**
Stddev	.0007	.0012	.0040	.0043	.0040	.0047	.0018	.0335	.06
%RSD	35.95	2.932	19.46	281.2	131.0	42.19	62.97	13.63	.1624
#1	.0024	.0392	.0179	.0046	.0002	-.0078	-.0041	.2220	35.45
#2	.0015	.0409	.0236	-.0015	.0059	-.0144	-.0016	.2694	35.53

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.525**	**17.85**	**1.190**	**13.21**	**.0286**	**.0493**	**.0020**	**11.98**	**-.0015**
Stddev	.007	.06	.160	.00	.0001	.0002	.0047	.04	.0007
%RSD	.4835	.3360	13.42	.0027	.2278	.3534	228.6	.3022	43.66
#1	1.520	17.89	1.303	13.21	.0286	.0494	-.0013	11.95	-.0011
#2	1.530	17.81	1.077	13.21	.0287	.0492	.0053	12.00	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3052**	**.0095**	**.0225**	**-.0022**	**5.678**	**.0029**	**.0214**
Stddev	.0008	.0037	.0064	.0007	.025	.0043	.0094
%RSD	.2526	39.55	28.27	31.72	.4375	150.4	43.92
#1	.3047	.0121	.0180	-.0026	5.660	.0059	.0147
#2	.3058	.0068	.0270	-.0017	5.695	-.0002	.0280

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88986.**	**16024.**	**2262.4**	**4747.5**
Stddev	691.	142.	.5	1.2
%RSD	.77697	.88827	.02197	.02554
#1	89475.	16124.	2262.8	4746.6
#2	88497.	15923.	2262.1	4748.3

Zoom In Zoom Out

Sample Name: jb68128-1 Acquired: 6/5/2014 12:33:51 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**-.0002**	**-.0001**	**-.0000**	**-.0004**	**.0002**	**.0002**	**.0003**	**-.0004**
Stddev	.0003	.0000	.0002	.0003	.0002	.0002	.0000	.0000	.0010
%RSD	162.1	15.91	175.8	1754.	52.04	86.25	2.443	15.94	259.2
#1	-.0000	-.0002	-.0002	-.0003	-.0005	.0004	.0002	.0002	.0003
#2	.0004	-.0001	.0000	.0002	-.0003	.0001	.0002	.0003	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0024**	**-.0005**	**-.0005**	**-.0003**	**-.0014**	**.0002**	**-.0027**	**.0145**
Stddev	.0002	.0001	.0012	.0003	.0011	.0039	.0007	.0008	.0003
%RSD	116.2	2.405	256.6	58.71	354.4	283.3	304.5	30.22	2.261
#1	.0000	.0023	.0004	-.0007	-.0011	.0014	-.0003	-.0033	.0143
#2	.0003	.0024	-.0013	-.0003	.0005	-.0041	.0007	-.0022	.0148

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0071**	**-.0060**	**-.0191**	**.0169**	**.0007**	**.0002**	**-.0011**	**.0091**	**.0001**
Stddev	.0011	.0025	.0263	.0090	.0006	.0001	.0008	.0012	.0002
%RSD	15.70	42.46	138.2	53.63	83.94	86.03	73.03	12.77	210.0
#1	.0079	-.0078	-.0377	.0105	.0003	.0003	-.0006	.0083	.0002
#2	.0063	-.0042	-.0004	.0233	.0011	.0001	-.0017	.0099	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0054**	**.0001**	**.0487**	**-.0007**	**.0021**
Stddev	.0001	.0002	.0002	.0001	.0017	.0026	.0002
%RSD	53.11	149.3	3.323	135.1	3.525	397.1	9.866
#1	.0002	-.0003	.0053	.0002	.0475	.0012	.0023
#2	.0001	.0000	.0055	.0000	.0499	-.0025	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90137.**	**16295.**	**2286.0**	**4823.9**
Stddev	355.	27.	3.4	5.8
%RSD	.39417	.16306	.14908	.11942
#1	90389.	16276.	2283.6	4819.8
#2	89886.	16314.	2288.4	4828.0

Zoom In Zoom Out

Sample Name: jb68128-2 Acquired: 6/5/2014 12:37:02 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.1244**	**-.0004**	**.0002**	**.0149**	**.0123**	**.0291**	**20.75**	**.0394**	**.0100**
Stddev	.0003	.0000	.0003	.0001	.0003	.0003	.07	.0007	.0004
%RSD	.2340	7.112	143.6	.6899	2.434	1.027	.3423	1.671	3.720
#1	.1242	-.0004	.0004	.0149	.0125	.0289	20.70	.0399	.0098
#2	.1246	-.0004	-.0000	.0150	.0121	.0293	20.80	.0389	.0103

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0090**	**.0150**	**.0033**	**.0057**	**.0048**	**.0054**	**-.0007**	**1.243**	**128.8**
Stddev	.0002	.0003	.0007	.0001	.0014	.0014	.0004	.010	.5
%RSD	2.604	2.187	21.21	.9026	29.50	25.34	63.98	.8374	.3782
#1	.0088	.0152	.0038	.0057	.0058	.0045	-.0004	1.251	128.5
#2	.0092	.0148	.0028	.0058	.0038	.0064	-.0010	1.236	129.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.267**	**31.73**	**2.514**	**1073.**	**.4235**	**.0033**	**.0031**	**7.684**	**-.0025**
Stddev	.025	.17	.033	4.	.0010	.0004	.0003	.014	.0002
%RSD	.3492	.5462	1.322	.3534	.2355	10.79	9.162	.1759	9.173
#1	7.249	31.60	2.537	1070.	.4242	.0030	.0029	7.693	-.0023
#2	7.285	31.85	2.490	1075.	.4228	.0035	.0034	7.674	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4669**	**.0298**	**.0156**	**-.0013**	**39.83**	**.0055**	**.0143**
Stddev	.0011	.0001	.0014	.0001	.02	.0017	.0006
%RSD	.2376	.1956	8.761	10.17	.0607	30.18	4.101
#1	.4661	.0298	.0146	-.0012	39.85	.0043	.0147
#2	.4676	.0299	.0165	-.0014	39.82	.0067	.0139

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76962.**	**15649.**	**2016.6**	**3748.4**
Stddev	350.	129.	.7	5.1
%RSD	.45530	.82394	.03558	.13606
#1	77209.	15740.	2017.1	3744.8
#2	76714.	15558.	2016.1	3752.0

Zoom In Zoom Out

Sample Name: jb68032-15nitricconf Acquired: 6/5/2014 12:40:19 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**-.0002**	**-.0002**	**.0001**	**-.0004**	**.0000**	**.0016**	**.0004**	**-.0001**
Stddev	.0003	.0000	.0002	.0001	.0001	.0002	.0002	.0000	.0000
%RSD	71.50	8.727	98.83	161.5	34.93	838.4	11.90	1.539	9.160
#1	.0007	-.0001	-.0003	.0002	-.0003	-.0001	.0018	.0004	-.0001
#2	.0002	-.0002	-.0000	-.0000	-.0005	.0002	.0015	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0001**	**.0002**	**.0013**	**-.0000**	**-.0019**	**.0003**	**-.0018**	**.0090**
Stddev	.0001	.0001	.0007	.0003	.0010	.0008	.0007	.0019	.0068
%RSD	99.53	47.33	447.5	25.79	34910.	44.18	219.3	111.0	74.96
#1	.0000	-.0001	.0006	.0016	-.0007	-.0013	.0008	-.0031	.0138
#2	.0002	-.0002	-.0003	.0011	.0007	-.0024	-.0002	-.0004	.0042

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**-.0023**	**-.0200**	**.2304**	**-.0003**	**-.0001**	**-.0016**	**.0039**	**-.0005**
Stddev	.0002	.0184	.0368	.0408	.0001	.0001	.0018	.0004	.0016
%RSD	12.55	818.1	184.1	17.70	45.66	152.4	111.3	9.966	326.0
#1	.0012	-.0153	-.0460	.2593	-.0002	.0000	-.0028	.0041	-.0016
#2	.0014	.0108	.0060	.2016	-.0004	-.0002	-.0003	.0036	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0004**	**-.0014**	**-.0003**	**.0305**	**.0016**	**.0028**
Stddev	.0001	.0001	.0002	.0002	.0040	.0006	.0007
%RSD	160.1	27.23	13.20	59.98	13.04	35.75	25.63
#1	-.0000	-.0003	-.0013	-.0004	.0334	.0012	.0033
#2	.0002	-.0004	-.0016	-.0002	.0277	.0020	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91587.**	**16552.**	**2357.3**	**5011.5**
Stddev	409.	68.	1.4	.4
%RSD	.44614	.40954	.05874	.00714
#1	91876.	16504.	2358.3	5011.7
#2	91298.	16600.	2356.3	5011.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 12:43:31 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.939**	**1.973**	**1.938**	**1.987**	**2.031**	**1.928**	**2.011**	**2.034**	**.2432**
Stddev	.015	.007	.004	.002	.001	.008	.003	.004	.0005
%RSD	.7521	.3574	.1888	.1061	.0581	.4263	.1512	.1857	.1987
#1	1.949	1.978	1.941	1.985	2.031	1.934	2.014	2.031	.2429
#2	1.929	1.968	1.936	1.988	2.030	1.922	2.009	2.036	.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**	**2.019**	**1.975**	**1.998**	**2.013**	**1.960**	**1.978**	**38.60**	**38.72**
Stddev	.003	.003	.006	.002	.000	.004	.003	.18	.12
%RSD	.1350	.1434	.3138	.1129	.0088	.2222	.1345	.4711	.3119
#1	1.997	2.021	1.979	1.996	2.012	1.963	1.980	38.73	38.80
#2	1.993	2.017	1.970	1.999	2.013	1.957	1.976	38.47	38.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.09**	**39.48**	**38.99**	**39.22**	**1.995**	**1.991**	**1.956**	**4.933**	**2.029**
Stddev	.18	.07	.25	.33	.006	.004	.002	.005	.004
%RSD	.4483	.1686	.6538	.8387	.2873	.1938	.0820	.1066	.2055
#1	39.21	39.44	39.17	39.45	1.999	1.993	1.957	4.937	2.032
#2	38.96	39.53	38.81	38.98	1.991	1.988	1.955	4.929	2.026
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: 6/5/2014 12:43:31 Type: QC
Method: Accutest 2(v55) 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**	**2.003**	**2.045**	**2.009**	**1.973**	**1.997**	**1.956**
Stddev	.014	.003	.019	.005	.006	.002	.012
%RSD	.7455	.1395	.9236	.2489	.3049	.1127	.6295
#1	1.943	2.005	2.059	2.013	1.969	1.998	1.965
#2	1.922	2.001	2.032	2.006	1.977	1.995	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	**84712.**	**15949.**	**2189.1**	**4343.4**
Stddev	160.	176.	3.1	.3
%RSD	.18838	1.1035	.14028	.00794
#1	84825.	15825.	2186.9	4343.1
#2	84599.	16074.	2191.3	4343.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 12:46:27 Type: QC
Method: Accutest 2(v55) Mode: 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**	**.0001**	**.0001**	**-.0005**	**-.0003**	**.0001**	**.0002**	**-.0003**
Stddev	.0001	.0001	.0001	.0000	.0004	.0001	.0001	.0004	.0005
%RSD	34.27	136.8	202.1	16.15	77.04	25.86	59.82	176.2	198.5
#1	.0004	.0001	-.0000	.0001	-.0008	-.0003	.0001	-.0001	-.0006
#2	.0003	.0000	.0001	.0001	-.0002	-.0002	.0002	.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**	**.0004**	**.0002**	**-.0003**	**-.0006**	**.0007**	**.0001**	**-.0017**	**.0014**
Stddev	.0002	.0003	.0007	.0011	.0005	.0014	.0004	.0062	.0011
%RSD	118.0	86.32	399.9	333.7	95.58	194.7	286.1	358.2	73.86
#1	-.0003	.0001	-.0003	-.0011	-.0002	-.0003	-.0001	.0027	.0007
#2	-.0000	.0006	.0007	.0004	-.0010	.0017	.0004	-.0061	.0022
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	**.0030**	**-.0183**	**.0063**	**.0289**	**.0014**	**.0012**	**-.0002**	**-.0002**	**.0003**
Stddev	.0007	.0244	.0013	.0074	.0004	.0000	.0003	.0002	.0004
%RSD	23.62	133.7	20.74	25.47	31.25	.0983	121.8	85.53	124.8
#1	.0025	-.0010	.0073	.0341	.0017	.0012	-.0005	-.0001	.0005
#2	.0036	-.0355	.0054	.0237	.0011	.0012	-.0000	-.0004	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 12:46:27 Type: QC
Method: Accutest 2(v55) 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**	**.0001**	**F .0315**	**.0010**	**F .0340**	**.0003**	**.0021**
Stddev	.0000	.0005	.0036	.0002	.0006	.0011	.0007
%RSD	3.416	722.5	11.36	18.70	1.685	326.5	33.46
#1	.0002	-.0003	.0290	.0008	.0336	.0011	.0016
#2	.0002	.0004	.0340	.0011	.0344	-.0004	.0026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0050		.0150		
Low Limit			-.0050		-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89808.**	**16159.**	**2294.9**	**4829.8**
Stddev	54.	54.	6.0	12.1
%RSD	.05980	.33503	.26330	.25069
#1	89770.	16121.	2290.6	4821.2
#2	89846.	16197.	2299.1	4838.3

Zoom In Zoom Out

Sample Name: jb68128-2 Acquired: 6/5/2014 12:49:39 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1271**	**-.0007**	**.0002**	**.0148**	**.0116**	**.0294**	**21.75**	**.0401**	**.0091**
Stddev	.0005	.0001	.0003	.0012	.0010	.0010	.06	.0015	.0002
%RSD	.4108	16.38	144.7	8.306	8.648	3.355	.2648	3.827	2.287
#1	.1274	-.0008	.0004	.0139	.0108	.0287	21.79	.0412	.0093
#2	.1267	-.0006	-.0000	.0157	.0123	.0301	21.71	.0390	.0090

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0134**	**.0223**	**.0000**	**.0044**	**.0065**	**-.0053**	**-.0015**	**1.258**	**130.9**
Stddev	.0008	.0004	.0036	.0013	.0049	.0015	.0036	.024	.6
%RSD	5.586	2.012	15140.	30.41	75.06	27.64	240.3	1.911	.4589
#1	.0140	.0220	-.0025	.0054	.0031	-.0064	.0010	1.241	131.3
#2	.0129	.0227	.0025	.0035	.0100	-.0043	-.0040	1.275	130.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.388**	**32.29**	**2.453**	**1230.**	**.4342**	**.0053**	**.0005**	**7.583**	**-.0004**
Stddev	.017	.07	.047	23.	.0010	.0011	.0071	.006	.0012
%RSD	.2309	.2138	1.931	1.888	.2394	20.65	1433.	.0806	273.1
#1	7.400	32.34	2.487	1246.	.4349	.0045	.0055	7.578	-.0012
#2	7.376	32.24	2.420	1213.	.4335	.0060	-.0045	7.587	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4679**	**.0304**	**.0567**	**-.0002**	**38.76**	**.0054**	**.0125**
Stddev	.0027	.0007	.0047	.0004	.09	.0027	.0045
%RSD	.5746	2.305	8.355	192.2	.2324	50.05	36.07
#1	.4698	.0309	.0533	.0001	38.83	.0035	.0157
#2	.4660	.0299	.0600	-.0005	38.70	.0073	.0093

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82083.**	**15795.**	**2135.0**	**4101.9**
Stddev	178.	76.	1.8	4.2
%RSD	.21695	.47944	.08613	.10194
#1	81957.	15742.	2136.3	4104.9
#2	82209.	15849.	2133.7	4098.9

Zoom In Zoom Out

Sample Name: jb68173-15 Acquired: 6/5/2014 12:52:58 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0006**	**-.0001**	**.0001**	**-.0002**	**.0002**	**-.0007**	**.0007**	**.0004**	**-.0003**
Stddev	.0001	.0000	.0000	.0001	.0005	.0005	.0000	.0002	.0001
%RSD	14.68	6.057	7.563	32.72	227.6	76.86	4.310	58.83	43.30
#1	.0006	-.0001	.0001	-.0002	-.0001	-.0003	.0007	.0005	-.0002
#2	.0007	-.0001	.0002	-.0003	.0006	-.0011	.0007	.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0125**	**-.0007**	**-.0020**	**.0001**	**-.0044**	**.0007**	**-.0013**	**.0830**
Stddev	.0001	.0001	.0013	.0009	.0005	.0006	.0018	.0031	.0024
%RSD	54.56	.6087	181.9	45.79	728.2	12.52	262.9	244.5	2.839
#1	.0001	.0125	.0002	-.0013	-.0003	-.0048	.0020	.0009	.0846
#2	.0003	.0124	-.0017	-.0026	.0004	-.0040	-.0006	-.0035	.0813

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0085**	**-.0141**	**.0402**	**.4461**	**.0032**	**.0008**	**-.0010**	**.0413**	**.0006**
Stddev	.0024	.0139	.0303	.0184	.0004	.0001	.0005	.0011	.0004
%RSD	28.29	99.08	75.45	4.115	11.90	7.052	46.44	2.692	72.88
#1	.0068	-.0042	.0187	.4591	.0029	.0007	-.0013	.0421	.0009
#2	.0102	-.0239	.0616	.4332	.0035	.0008	-.0007	.0405	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0184**	**.0004**	**.0376**	**.0003**	**.0021**
Stddev	.0000	.0002	.0020	.0002	.0003	.0000	.0001
%RSD	16.70	182.0	10.70	48.08	.8563	19.63	3.667
#1	.0002	-.0003	.0170	.0003	.0378	.0003	.0021
#2	.0001	.0000	.0198	.0006	.0374	.0002	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90578.**	**16374.**	**2301.0**	**4852.5**
Stddev	611.	21.	10.5	21.3
%RSD	.67447	.12724	.45601	.43997
#1	91010.	16389.	2293.5	4837.4
#2	90146.	16359.	2308.4	4867.6

Zoom In Zoom Out

Sample Name: mp79841-mb1conf Acquired: 6/5/2014 12:56:10 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.0058**	**-.0001**	**.0001**	**.0001**	**.0002**	**.0013**	**.0041**	**.0050**	**.0002**
Stddev	.0001	.0000	.0002	.0002	.0001	.0000	.0001	.0001	.0009
%RSD	1.018	75.43	107.5	174.2	66.52	3.332	1.536	1.170	507.5
#1	.0058	-.0001	.0003	.0003	.0001	.0013	.0041	.0049	.0008
#2	.0057	-.0000	.0000	-.0000	.0002	.0014	.0042	.0050	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0067**	**-.0014**	**-.0003**	**.0007**	**-.0015**	**-.0000**	**.0366**	**.3696**
Stddev	.0000	.0001	.0006	.0002	.0003	.0020	.0005	.0001	.0033
%RSD	12.56	1.216	44.66	72.52	43.33	128.6	1437.	.4086	.8841
#1	-.0002	.0066	-.0010	-.0001	.0010	-.0001	-.0004	.0365	.3720
#2	-.0002	.0068	-.0019	-.0004	.0005	-.0029	.0003	.0367	.3673

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0427**	**.0713**	**.0311**	**.1522**	**.0011**	**.0004**	**-.0029**	**.6241**	**-.0000**
Stddev	.0029	.0066	.0250	.0051	.0012	.0002	.0007	.0001	.0007
%RSD	6.686	9.302	80.28	3.351	114.1	45.48	23.24	.0142	3476.
#1	.0407	.0760	.0488	.1558	.0020	.0003	-.0033	.6242	.0005
#2	.0447	.0666	.0135	.1486	.0002	.0006	-.0024	.6240	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0140**	**.0006**	**.0112**	**.0001**	**1.270**	**.0003**	**.0021**
Stddev	.0001	.0002	.0003	.0000	.004	.0006	.0002
%RSD	.6348	34.22	2.783	6.198	.3193	183.7	8.533
#1	.0140	.0008	.0110	.0001	1.273	-.0001	.0020
#2	.0139	.0005	.0114	.0001	1.268	.0007	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90683.**	**16281.**	**2305.5**	**4869.1**
Stddev	818.	3.	1.9	8.3
%RSD	.90240	.02127	.08096	.17116
#1	91261.	16279.	2304.2	4863.2
#2	90104.	16283.	2306.8	4875.0

Zoom In Zoom Out

Sample Name: mp79841-s1 3 Acquired: 6/5/2014 12:59:19 Type: Unk
Method: Accutest 2(v55) 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	**2.528**	**.0529**	**.0533**	**.5472**	**.2228**	**.2638**	**.5473**	**.5638**	**.0547**
Stddev	.002	.0002	.0006	.0135	.0030	.0058	.0035	.0150	.0003
%RSD	.0958	.2870	1.189	2.475	1.339	2.205	.6325	2.665	.6113
#1	2.530	.0530	.0528	.5376	.2207	.2597	.5449	.5532	.0545
#2	2.526	.0528	.0537	.5567	.2249	.2679	.5498	.5745	.0550

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5165**	**.5774**	**2.213**	**2.209**	**2.178**	**.5909**	**.5380**	**2.359**	**705.6**
Stddev	.0047	.0158	.068	.053	.056	.0142	.0087	.038	.9
%RSD	.9091	2.731	3.062	2.424	2.586	2.410	1.614	1.623	.1264
#1	.5132	.5662	2.165	2.171	2.138	.5808	.5319	2.332	706.2
#2	.5198	.5885	2.261	2.247	2.217	.6010	.5442	2.386	705.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.134**	**-.0222**	**15.87**	**96.48**	**.0068**	**.0261**	**.0238**	**.9888**	**-.0031**
Stddev	.005	.1297	.43	.08	.0017	.0002	.0008	.0218	.0005
%RSD	.4024	583.3	2.703	.0834	24.54	.7868	3.394	2.200	15.43
#1	1.137	-.1139	16.17	96.53	.0056	.0259	.0244	.9734	-.0034
#2	1.131	.0695	15.56	96.42	.0080	.0262	.0232	1.004	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.940**	**.0016**	**.0418**	**.0033**	**249.1**	**.0226**	**.1305**
Stddev	.001	.0024	.0074	.0004	6.5	.0017	.0001
%RSD	.0489	148.3	17.79	12.64	2.599	7.544	.0421
#1	1.940	.0033	.0365	.0036	244.5	.0214	.1305
#2	1.941	-.0001	.0470	.0030	253.7	.0238	.1305

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86146.**	**15903.**	**2154.2**	**4358.3**
Stddev	217.	137.	54.6	99.8
%RSD	.25200	.86291	2.5350	2.2906
#1	86299.	15805.	2192.8	4428.8
#2	85992.	16000.	2115.6	4287.7

Zoom In Zoom Out

Sample Name: mp79841-s2 Acquired: 6/5/2014 13:02:26 Type: Unk
Method: Accutest 2(v55) 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	**2.411**	**.0499**	**.0501**	**.5131**	**.2114**	**.2509**	**.5207**	**.5290**	**.0534**
Stddev	.002	.0001	.0010	.0016	.0019	.0006	.0041	.0016	.0012
%RSD	.0843	.2356	1.948	.3083	.8910	.2369	.7858	.2935	2.177
#1	2.410	.0500	.0495	.5142	.2101	.2505	.5178	.5301	.0526
#2	2.413	.0498	.0508	.5120	.2127	.2513	.5236	.5279	.0542

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4922**	**.5307**	**2.069**	**2.063**	**2.038**	**.4947**	**.5073**	**2.204**	**674.7**
Stddev	.0039	.0017	.009	.015	.007	.0006	.0057	.020	.8
%RSD	.7942	.3197	.4494	.7138	.3461	.1304	1.132	.8976	.1259
#1	.4895	.5319	2.076	2.073	2.043	.4951	.5114	2.218	675.3
#2	.4950	.5295	2.062	2.053	2.033	.4942	.5033	2.191	674.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.067**	**-.0094**	**15.00**	**92.40**	**.0060**	**.0237**	**.0333**	**.9248**	**-.0081**
Stddev	.006	.0117	.03	.17	.0061	.0021	.0017	.0062	.0051
%RSD	.5444	124.6	.2041	.1842	100.6	8.996	4.991	.6653	63.14
#1	1.062	-.0011	15.02	92.52	.0103	.0222	.0345	.9292	-.0045
#2	1.071	-.0177	14.98	92.28	.0017	.0252	.0322	.9205	-.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.856**	**.0036**	**.0410**	**.0007**	**237.9**	**.0128**	**.1152**
Stddev	.003	.0048	.0079	.0011	.7	.0087	.0066
%RSD	.1389	134.4	19.16	160.6	.3005	68.32	5.685
#1	1.854	.0069	.0355	-.0001	238.4	.0066	.1199
#2	1.858	.0002	.0466	.0015	237.4	.0190	.1106

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86284.**	**15989.**	**2193.6**	**4435.5**
Stddev	399.	32.	3.6	10.9
%RSD	.46234	.20284	.16532	.24659
#1	86566.	16011.	2191.0	4427.8
#2	86002.	15966.	2196.1	4443.2

Zoom In Zoom Out

Sample Name: jb68170-2ab Acquired: 6/5/2014 13:05:31 Type: Unk
Method: Accutest 2(v55) 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	**.4319**	**-.0013**	**-.0002**	**.0023**	**.0016**	**.0072**	**.0004**	**.0012**	**-.0004**
Stddev	.0121	.0003	.0004	.0014	.0009	.0033	.0002	.0010	.0033
%RSD	2.795	20.77	270.9	59.88	52.52	45.61	62.79	82.17	930.0
#1	.4404	-.0011	.0001	.0013	.0023	.0049	.0002	.0019	.0020
#2	.4233	-.0014	-.0005	.0033	.0010	.0096	.0005	.0005	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0023**	**-.0038**	**.0020**	**-.0055**	**-.0018**	**-.0062**	**.2309**	**702.6**
Stddev	.0016	.0003	.0022	.0076	.0034	.0043	.0021	.0206	16.4
%RSD	102.6	14.29	58.28	373.1	61.88	235.3	33.66	8.915	2.342
#1	.0004	.0026	-.0022	-.0033	-.0031	.0012	-.0047	.2454	714.2
#2	.0028	.0021	-.0053	.0074	-.0079	-.0048	-.0076	.2163	690.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0007**	**.0466**	**15.42**	**96.03**	**.0108**	**.0250**	**.0262**	**.9871**	**-.0031**
Stddev	.0129	.0908	.57	2.16	.0023	.0011	.0070	.0239	.0013
%RSD	1787.	195.0	3.689	2.247	21.29	4.293	26.67	2.426	42.97
#1	-.0098	.1107	15.83	97.56	.0091	.0242	.0311	.9701	-.0040
#2	.0084	-.0176	15.02	94.51	.0124	.0257	.0212	1.004	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.919**	**-.0001**	**.0329**	**.0005**	**269.0**	**.0240**	**.1216**
Stddev	.053	.0001	.0080	.0010	4.8	.0059	.0019
%RSD	2.781	96.98	24.38	210.0	1.774	24.52	1.548
#1	1.957	-.0002	.0272	-.0002	265.7	.0281	.1203
#2	1.881	-.0000	.0386	.0012	272.4	.0198	.1229

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85737.**	**15716.**	**2184.4**	**4401.7**
Stddev	356.	375.	4.6	9.9
%RSD	.41561	2.3891	.21257	.22453
#1	85989.	15451.	2187.7	4408.7
#2	85485.	15982.	2181.1	4394.7

Zoom In Zoom Out

Sample Name: mp79841-sd1 Acquired: 6/5/2014 13:08:41 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4187**	**-.0017**	**-.0020**	**.0008**	**-.0030**	**.0081**	**.0034**	**.0122**	**-.0130**
Stddev	.0015	.0007	.0005	.0083	.0093	.0043	.0001	.0031	.0002
%RSD	.3466	42.38	23.57	982.0	312.0	52.67	2.442	25.75	1.377
#1	.4177	-.0021	-.0017	-.0050	-.0095	.0051	.0034	.0100	-.0132
#2	.4197	-.0012	-.0024	.0067	.0036	.0111	.0033	.0144	-.0129

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0077**	**.0276**	**.0055**	**.0019**	**.0178**	**-.0639**	**-.0120**	**.1273**	**663.8**
Stddev	.0062	.0009	.0113	.0074	.0145	.0092	.0059	.1820	3.7
%RSD	81.18	3.184	204.7	390.0	81.12	14.38	49.03	143.0	.5625
#1	.0121	.0282	-.0025	.0071	.0076	-.0574	-.0161	-.0014	666.4
#2	.0033	.0270	.0135	-.0033	.0281	-.0704	-.0078	.2560	661.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**.2857**	**14.20**	**89.76**	**.0219**	**.0253**	**.0200**	**.9111**	**-.0075**
Stddev	.0317	.0662	.65	.49	.0182	.0007	.0186	.0042	.0115
%RSD	470.9	23.16	4.594	.5503	82.91	2.754	93.19	.4558	154.5
#1	.0292	.2389	14.66	90.11	.0348	.0258	.0068	.9141	.0007
#2	-.0157	.3325	13.74	89.41	.0091	.0248	.0332	.9082	-.0156

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.812**	**-.0047**	**.0582**	**.0032**	**242.5**	**.0255**	**.1569**
Stddev	.005	.0080	.0049	.0023	.2	.0100	.0298
%RSD	.3015	170.3	8.364	70.22	.0723	39.17	18.99
#1	1.816	.0010	.0548	.0016	242.4	.0184	.1779
#2	1.808	-.0103	.0617	.0049	242.7	.0325	.1358

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88636.**	**16004.**	**2268.1**	**4720.3**
Stddev	311.	27.	.5	3.8
%RSD	.35117	.16656	.02311	.08010
#1	88856.	16023.	2268.4	4722.9
#2	88416.	15986.	2267.7	4717.6

Zoom In Zoom Out

Sample Name: jb68170-1ab Acquired: 6/5/2014 13:11:50 Type: Unk
Method: Accutest 2(v55) 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	**.4110**	**-.0010**	**.0012**	**.0021**	**.0024**	**.0062**	**.0009**	**.0010**	**-.0020**
Stddev	.0033	.0004	.0004	.0013	.0008	.0009	.0001	.0021	.0002
%RSD	.8145	36.53	34.47	63.35	31.47	14.46	13.72	209.9	9.765
#1	.4134	-.0013	.0009	.0011	.0019	.0069	.0010	-.0005	-.0018
#2	.4086	-.0007	.0014	.0030	.0029	.0056	.0008	.0025	-.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0087**	**-.0053**	**.0158**	**-.0048**	**.0027**	**.0030**	**.2102**	**748.4**
Stddev	.0005	.0001	.0006	.0018	.0031	.0047	.0006	.0226	.7
%RSD	39.28	1.531	10.53	11.10	64.51	171.2	18.70	10.75	.0870
#1	.0010	.0088	-.0049	.0171	-.0071	.0061	.0026	.1942	748.8
#2	.0017	.0086	-.0057	.0146	-.0026	-.0006	.0034	.2261	747.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0023**	**-.0411**	**16.86**	**104.4**	**.0063**	**.0262**	**.0222**	**.8530**	**-.0041**
Stddev	.0005	.0272	.09	.0	.0007	.0007	.0005	.0027	.0022
%RSD	23.46	66.18	.5285	.0324	11.20	2.498	2.238	.3210	54.17
#1	.0019	-.0603	16.93	104.5	.0068	.0267	.0219	.8549	-.0025
#2	.0027	-.0218	16.80	104.4	.0058	.0258	.0226	.8510	-.0057

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.063**	**.0021**	**.0282**	**-.0002**	**311.6**	**.0169**	**.1433**
Stddev	.009	.0013	.0012	.0012	1.1	.0033	.0021
%RSD	.4429	63.99	4.246	567.1	.3454	19.41	1.476
#1	2.070	.0011	.0273	-.0011	312.3	.0192	.1448
#2	2.057	.0030	.0290	.0007	310.8	.0146	.1418

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86051.**	**16007.**	**2186.4**	**4407.1**
Stddev	511.	23.	4.0	12.6
%RSD	.59438	.14366	.18327	.28678
#1	86413.	16024.	2183.6	4398.2
#2	85689.	15991.	2189.3	4416.1

Zoom In Zoom Out

Sample Name: jb68170-3ab Acquired: 6/5/2014 13:14:59 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1897**	**-.0023**	**-.0007**	**.0014**	**.0096**	**.0103**	**.0019**	**.0058**	**.0057**
Stddev	.0033	.0005	.0004	.0015	.0030	.0010	.0005	.0007	.0063
%RSD	1.719	21.33	50.36	105.6	30.98	9.486	27.53	12.82	111.4
#1	.1874	-.0019	-.0005	.0004	.0075	.0096	.0023	.0063	.0012
#2	.1921	-.0026	-.0010	.0025	.0117	.0110	.0015	.0052	.0101

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0115**	**.0646**	**.0018**	**.0032**	**-.0111**	**-.0199**	**-.0086**	**.4510**	**708.1**
Stddev	.0020	.0025	.0118	.0055	.0063	.0041	.0017	.0625	4.3
%RSD	17.20	3.795	669.2	172.4	56.67	20.62	19.46	13.85	.6008
#1	.0129	.0663	-.0066	.0071	-.0066	-.0228	-.0074	.4069	705.1
#2	.0101	.0629	.0101	-.0007	-.0155	-.0170	-.0097	.4952	711.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1325**	**.0674**	**10.69**	**103.9**	**.0234**	**.0399**	**.0299**	**10.22**	**-.0088**
Stddev	.0044	.0438	.09	.4	.0062	.0009	.0059	.09	.0015
%RSD	3.341	64.92	.8424	.4104	26.63	2.317	19.66	.9196	16.61
#1	.1356	.0984	10.63	103.6	.0190	.0392	.0341	10.28	-.0099
#2	.1294	.0365	10.76	104.2	.0278	.0405	.0257	10.15	-.0078

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9321**	**.0035**	**.0480**	**-.0007**	**588.9**	**.0139**	**.0381**
Stddev	.0035	.0020	.0056	.0016	4.5	.0065	.0004
%RSD	.3775	57.99	11.72	237.8	.7697	46.93	1.140
#1	.9296	.0021	.0440	.0005	592.1	.0093	.0384
#2	.9345	.0049	.0519	-.0019	585.7	.0185	.0377

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88525.**	**16192.**	**2241.5**	**4597.1**
Stddev	59.	128.	5.9	10.6
%RSD	.06710	.78910	.26460	.23165
#1	88483.	16282.	2237.3	4589.6
#2	88567.	16101.	2245.7	4604.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 13:18:08 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.919**	**1.963**	**1.934**	**1.994**	**2.017**	**1.919**	**2.010**	**2.038**	**.2417**
Stddev	.004	.007	.011	.007	.007	.008	.006	.010	.0020
%RSD	.1875	.3793	.5636	.3712	.3604	.4112	.2951	.4934	.8424
#1	1.916	1.958	1.927	1.989	2.012	1.913	2.006	2.031	.2403
#2	1.922	1.968	1.942	1.999	2.023	1.924	2.015	2.045	.2431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.986**	**2.024**	**1.975**	**1.993**	**2.015**	**1.956**	**1.976**	**38.28**	**38.35**
Stddev	.006	.016	.012	.012	.009	.010	.008	.08	.05
%RSD	.3088	.8037	.6190	.5928	.4324	.5111	.4097	.2011	.1239
#1	1.982	2.012	1.966	1.984	2.009	1.949	1.971	38.22	38.38
#2	1.991	2.035	1.984	2.001	2.021	1.963	1.982	38.33	38.31
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	**38.79**	**39.52**	**39.11**	**38.96**	**1.995**	**1.989**	**1.927**	**4.933**	**2.022**
Stddev	.21	.16	.03	.04	.011	.013	.008	.035	.007
%RSD	.5330	.3976	.0731	.0941	.5510	.6560	.4159	.7031	.3605
#1	38.65	39.41	39.13	38.99	1.987	1.980	1.921	4.909	2.017
#2	38.94	39.63	39.09	38.94	2.003	1.998	1.933	4.958	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 13:18:08 Type: QC
Method: Accutest 2(v55) 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	**1.918**	**2.003**	**2.062**	**2.000**	**1.956**	**1.993**	**1.939**
Stddev	.007	.006	.007	.007	.014	.014	.001
%RSD	.3745	.3020	.3479	.3394	.6905	.6844	.0682
#1	1.913	1.999	2.057	1.995	1.947	1.984	1.938
#2	1.923	2.007	2.067	2.005	1.966	2.003	1.940
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	**85226.**	**15999.**	**2192.4**	**4345.8**
Stddev	352.	121.	14.2	20.2
%RSD	.41313	.75685	.64816	.46395
#1	85475.	15914.	2202.4	4360.1
#2	84977.	16085.	2182.3	4331.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 13:21:04 Type: QC
Method: Accutest 2(v55) Mode: 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**	**.0001**	**.0001**	**.0001**	**-.0004**	**-.0010**	**.0002**	**-.0001**	**-.0007**
Stddev	.0001	.0000	.0001	.0002	.0007	.0003	.0000	.0001	.0000
%RSD	22.87	14.81	106.8	139.0	197.2	31.33	6.148	146.3	5.149
#1	.0005	.0001	.0000	.0003	.0001	-.0012	.0002	.0000	-.0008
#2	.0007	.0001	.0002	.0000	-.0008	-.0008	.0002	-.0002	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0004**	**.0000**	**-.0017**	**-.0013**	**-.0004**	**.0004**	**-.0192**	**.0016**
Stddev	.0002	.0001	.0008	.0004	.0002	.0008	.0010	.0018	.0018
%RSD	474.4	13.25	10210.	24.81	11.60	196.5	226.1	9.512	112.3
#1	.0002	.0004	-.0006	-.0014	-.0014	-.0009	.0012	-.0179	.0028
#2	-.0001	.0004	.0006	-.0019	-.0012	.0002	-.0003	-.0205	.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	**.0011**	**-.0140**	**.0391**	**-.0019**	**.0011**	**.0012**	**-.0013**	**.0002**	**.0004**
Stddev	.0019	.0063	.0103	.0049	.0011	.0002	.0005	.0003	.0002
%RSD	175.9	45.16	26.36	258.1	105.8	17.00	40.15	147.5	40.42
#1	-.0003	-.0095	.0318	-.0054	.0019	.0011	-.0010	.0004	.0003
#2	.0024	-.0185	.0464	.0016	.0003	.0013	-.0017	-.0000	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 13:21:04 Type: QC
Method: Accutest 2(v55) 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**	**-.0001**	**F .0318**	**.0008**	**F .0219**	**-.0004**	**.0014**
Stddev	.0000	.0007	.0030	.0001	.0015	.0007	.0010
%RSD	14.04	919.6	9.435	14.35	6.895	159.2	71.85
#1	.0003	.0004	.0297	.0007	.0230	-.0009	.0007
#2	.0002	-.0006	.0339	.0009	.0209	.0001	.0021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0050		.0150		
Low Limit			-.0050		-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90232.**	**15982.**	**2286.9**	**4817.8**
Stddev	56.	75.	7.3	22.4
%RSD	.06207	.47169	.31805	.46523
#1	90272.	16036.	2281.7	4802.0
#2	90193.	15929.	2292.0	4833.7

Zoom In Zoom Out

Sample Name: jb68170-4ab Acquired: 6/5/2014 13:24:16 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0779**	**-.0015**	**.0015**	**.0015**	**.0038**	**.0065**	**.0009**	**.0085**	**.0011**
Stddev	.0007	.0004	.0007	.0002	.0001	.0003	.0001	.0007	.0021
%RSD	.8962	25.91	46.41	11.45	2.903	5.079	12.98	8.588	188.9
#1	.0774	-.0018	.0010	.0016	.0039	.0063	.0010	.0080	-.0004
#2	.0784	-.0013	.0019	.0014	.0037	.0067	.0009	.0090	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0243**	**.0441**	**.0019**	**-.0101**	**-.0112**	**-.0040**	**.0029**	**.6657**	**661.8**
Stddev	.0010	.0010	.0180	.0013	.0116	.0426	.0073	.0467	5.3
%RSD	4.190	2.313	941.2	13.40	103.6	1077.	252.1	7.010	.7959
#1	.0251	.0448	.0147	-.0110	-.0194	.0262	-.0023	.6327	658.1
#2	.0236	.0434	-.0108	-.0091	-.0030	-.0341	.0080	.6986	665.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0604**	**2.392**	**8.051**	**144.9**	**.2433**	**.0465**	**.0248**	**8.077**	**-.0153**
Stddev	.0257	.337	.542	.8	.0066	.0018	.0100	.052	.0073
%RSD	42.51	14.09	6.731	.5351	2.732	3.837	40.40	.6448	47.48
#1	.0785	2.153	7.668	144.3	.2386	.0453	.0177	8.113	-.0102
#2	.0422	2.630	8.435	145.4	.2480	.0478	.0319	8.040	-.0204

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7247**	**-.0006**	**.1850**	**.0057**	**634.9**	**.0071**	**.0509**
Stddev	.0026	.0009	.0098	.0011	4.3	.0190	.0024
%RSD	.3619	132.6	5.295	19.63	.6845	267.8	4.713
#1	.7228	-.0000	.1781	.0049	637.9	.0205	.0526
#2	.7265	-.0013	.1920	.0065	631.8	-.0063	.0492

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88395.**	**16241.**	**2242.5**	**4586.2**
Stddev	204.	48.	9.0	19.4
%RSD	.23117	.29744	.40009	.42385
#1	88539.	16275.	2236.2	4572.4
#2	88250.	16207.	2248.8	4599.9

Zoom In Zoom Out

Sample Name: mp79845-mb1conf Acquired: 6/5/2014 13:27:25 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.0027**	**-.0001**	**.0000**	**-.0003**	**.0009**	**.0006**	**.0007**	**.0024**	**-.0002**
Stddev	.0001	.0002	.0000	.0001	.0000	.0003	.0000	.0000	.0004
%RSD	2.888	142.4	45.76	28.92	3.155	47.95	3.642	.6614	206.2
#1	.0028	.0000	.0000	-.0004	.0009	.0004	.0007	.0024	-.0005
#2	.0027	-.0002	.0001	-.0002	.0009	.0008	.0007	.0025	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0080**	**-.0014**	**-.0001**	**.0003**	**.0003**	**.0008**	**.0241**	**.1330**
Stddev	.0005	.0001	.0007	.0008	.0008	.0003	.0007	.0045	.0070
%RSD	64.82	1.705	46.47	764.8	262.9	109.7	89.66	18.65	5.237
#1	.0010	.0081	-.0019	-.0007	.0009	.0004	.0003	.0272	.1379
#2	.0004	.0079	-.0010	.0005	-.0003	.0001	.0013	.0209	.1281

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0645**	**.0277**	**.0090**	**.0544**	**.0011**	**.0006**	**.0000**	**.0346**	**.0350**
Stddev	.0007	.0163	.0207	.0078	.0007	.0001	.0005	.0001	.0005
%RSD	1.135	58.75	231.2	14.43	62.55	17.63	1109.	.2055	1.403
#1	.0650	.0393	-.0057	.0599	.0016	.0007	-.0003	.0346	.0353
#2	.0640	.0162	.0236	.0488	.0006	.0005	.0004	.0347	.0346

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0007**	**.0129**	**.0003**	**.0338**	**.0003**	**.0013**
Stddev	.0000	.0004	.0013	.0002	.0003	.0010	.0008
%RSD	12.19	65.22	10.06	68.65	.9991	323.1	64.35
#1	.0004	.0004	.0120	.0001	.0340	.0010	.0007
#2	.0004	.0010	.0138	.0004	.0336	-.0004	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90910.**	**16284.**	**2316.6**	**4881.2**
Stddev	487.	25.	4.9	8.2
%RSD	.53589	.15573	.21042	.16890
#1	91254.	16302.	2313.1	4875.4
#2	90565.	16266.	2320.0	4887.0

Zoom In Zoom Out

Sample Name: jb68170-1 2 Acquired: 6/5/2014 13:30:37 Type: Unk
Method: Accutest 2(v55) 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	**1.313**	**.0226**	**.0016**	**.0320**	**.2411**	**.3551**	**3.615**	**.2374**	**.0086**
Stddev	.002	.0001	.0005	.0006	.0015	.0020	.031	.0002	.0019
%RSD	.1562	.5688	30.60	1.746	.6226	.5649	.8530	.0860	22.11
#1	1.315	.0225	.0013	.0324	.2400	.3537	3.593	.2373	.0099
#2	1.312	.0227	.0020	.0316	.2421	.3566	3.637	.2376	.0072

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2036**	**.3196**	**.1624**	**.0139**	**.4185**	**.0627**	**.0005**	**131.6**	**1257.**
Stddev	.0025	.0007	.0006	.0012	.0007	.0041	.0051	.0	9.
%RSD	1.252	.2161	.3992	8.561	.1571	6.579	1000.	.0221	.7485
#1	.2018	.3200	.1620	.0131	.4180	.0657	-.0031	131.6	1251.
#2	.2054	.3191	.1629	.0148	.4190	.0598	.0041	131.6	1264.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**101.2**	**83.99**	**20.68**	**47.28**	**.1207**	**.0543**	**.0612**	**16.06**	**.0476**
Stddev	.1	.17	.04	.08	.0017	.0000	.0000	.02	.0021
%RSD	.0653	.2082	.1981	.1660	1.438	.0196	.0423	.1271	4.313
#1	101.2	83.87	20.71	47.33	.1194	.0543	.0611	16.07	.0462
#2	101.3	84.11	20.65	47.22	.1219	.0543	.0612	16.04	.0491

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.477**	**7.756**	**.0539**	**.3354**	**484.8**	**.2260**	**.2147**
Stddev	.001	.064	.0031	.0028	.5	.0037	.0032
%RSD	.0222	.8243	5.795	.8336	.0996	1.647	1.472
#1	2.478	7.711	.0561	.3335	485.2	.2233	.2125
#2	2.477	7.801	.0517	.3374	484.5	.2286	.2169

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82693.**	**16185.**	**2104.5**	**3972.2**
Stddev	492.	36.	7.8	6.5
%RSD	.59505	.22029	.37261	.16414
#1	83041.	16210.	2098.9	3967.6
#2	82345.	16160.	2110.0	3976.8

Zoom In Zoom Out

Sample Name: jb68170-2 Acquired: 6/5/2014 13:33:47 Type: Unk
Method: Accutest 2(v55) 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	**1.202**	**.0166**	**.0023**	**.0343**	**.2300**	**.3309**	**3.543**	**.2227**	**-.0293**
Stddev	.031	.0063	.0004	.0076	.0017	.0112	.001	.0034	.0550
%RSD	2.576	37.77	17.38	22.11	.7472	3.377	.0321	1.533	187.9
#1	1.180	.0122	.0025	.0397	.2313	.3230	3.542	.2252	-.0682
#2	1.223	.0211	.0020	.0290	.2288	.3388	3.544	.2203	.0096

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1879**	**.2222**	**.1499**	**.0006**	**.3698**	**.0462**	**.0061**	**119.5**	**1114.**
Stddev	.0017	.0108	.0091	.0208	.0001	.0216	.0021	4.1	42.
%RSD	.9218	4.882	6.043	3535.	.0144	46.75	34.05	3.400	3.764
#1	.1867	.2298	.1563	-.0141	.3698	.0309	.0046	116.7	1085.
#2	.1892	.2145	.1435	.0153	.3698	.0615	.0076	122.4	1144.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**93.82**	**79.71**	**19.07**	**46.66**	**.1158**	**.0510**	**-.0118**	**15.66**	**.0438**
Stddev	2.67	2.28	.53	1.25	.0029	.0018	.0965	.16	.0005
%RSD	2.848	2.856	2.765	2.683	2.467	3.511	815.0	.9963	1.068
#1	91.93	78.10	18.70	45.78	.1178	.0522	-.0801	15.77	.0435
#2	95.71	81.32	19.45	47.55	.1138	.0497	.0564	15.55	.0442

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.215**	**7.194**	**.0322**	**.3185**	**453.2**	**.0944**	**.1958**
Stddev	.023	.002	.0074	.0017	3.4	.1655	.0057
%RSD	1.045	.0316	22.86	.5494	.7428	175.4	2.921
#1	2.199	7.195	.0270	.3173	455.6	-.0227	.1917
#2	2.232	7.192	.0375	.3197	450.8	.2114	.1998

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82988.**	*****	**2120.3**	**4015.4**
Stddev	114.	-----	4.2	5.9
%RSD	.13751	-----	.19816	.14718
#1	83069.	-----	2117.3	4011.3
#2	82907.	16034.	2123.2	4019.6

Zoom In Zoom Out

Sample Name: jb68217-2 Acquired: 6/5/2014 13:36:57 Type: Unk
Method: Accutest 2(v55) Mode: 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	**4.665**	**.0129**	**-.0083**	**.0896**	**.3715**	**2.092**	**1.798**	**.8954**	**.0234**
Stddev	.013	.0001	.0001	.0003	.0001	.002	.002	.0105	.0001
%RSD	.2829	.8703	1.389	.2977	.0397	.1077	.1136	1.174	.2679
#1	4.674	.0130	-.0084	.0898	.3716	2.090	1.800	.9028	.0233
#2	4.655	.0129	-.0082	.0894	.3714	2.094	1.797	.8880	.0234

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1575**	**6.418**	**2.456**	**-.1236**	**3.573**	**-.0988**	**-.0394**	**36.65**	**98.32**
Stddev	.0003	.056	.029	.0020	.035	.0016	.0004	.08	.35
%RSD	.1760	.8770	1.186	1.631	.9899	1.631	1.064	.2121	.3555
#1	.1577	6.458	2.477	-.1222	3.598	-.0977	-.0397	36.70	98.57
#2	.1573	6.378	2.435	-.1250	3.548	-.1000	-.0391	36.59	98.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**147.3**	**12.21**	**6.427**	**6.376**	**.1845**	**.0611**	**-.6880**	**9.437**	**.5364**
Stddev	.3	.01	.010	.035	.0018	.0005	.0029	.097	.0057
%RSD	.2345	.0461	.1489	.5553	.9717	.8084	.4231	1.031	1.067
#1	147.6	12.21	6.433	6.401	.1858	.0615	-.6900	9.506	.5405
#2	147.1	12.20	6.420	6.351	.1833	.0608	-.6859	9.368	.5324

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8645**	**1.397**	**.0661**	**.0674**	**13.30**	**-.6470**	**.0577**
Stddev	.0016	.002	.0008	.0002	.12	.0089	.0007
%RSD	.1870	.1143	1.179	.2286	.9064	1.376	1.234
#1	.8656	1.396	.0655	.0673	13.39	-.6533	.0582
#2	.8634	1.398	.0666	.0675	13.22	-.6407	.0572

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95961.**	**17309.**	**2426.8**	**4465.2**
Stddev	391.	38.	11.8	21.4
%RSD	.40704	.21699	.48679	.47857
#1	95685.	17282.	2418.4	4450.1
#2	96238.	17335.	2435.2	4480.3

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/5/2014 13:39:55 Type: Unk
Method: Accutest 2(v55) Mode: 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**	**-.0004**	**-.0001**	**-.0000**	**.0007**	**.0685**	**.0009**	**.0002**	**-.0049**
Stddev	.0064	.0001	.0001	.0001	.0013	.0801	.0011	.0001	.0075
%RSD	96.76	26.66	99.59	530.9	182.0	116.9	113.5	32.58	153.2
#1	.0111	-.0005	-.0000	-.0001	.0017	.1251	.0017	.0002	-.0103
#2	.0021	-.0003	-.0001	.0000	-.0002	.0119	.0002	.0003	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0003**	**-.0009**	**.0012**	**.0004**	**-.0031**	**-.0003**	**-.0114**	**.0919**
Stddev	.0003	.0001	.0007	.0009	.0000	.0011	.0001	.0066	.0975
%RSD	40.26	26.63	80.48	81.75	9.227	36.36	50.08	57.67	106.0
#1	.0010	.0003	-.0014	.0005	.0004	-.0039	-.0002	-.0161	.1609
#2	.0006	.0004	-.0004	.0018	.0003	-.0023	-.0004	-.0068	.0230

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0644**	**.0727**	**-.2223**	**-.0394**	**.0003**	**-.0001**	**.0320**	**-.0018**	**-.0003**
Stddev	.0379	.0795	.0155	.0325	.0003	.0002	.0385	.0013	.0001
%RSD	58.89	109.4	6.975	82.42	84.24	174.1	120.1	72.54	49.51
#1	.0912	.1289	-.2332	-.0623	.0001	-.0003	.0592	-.0027	-.0004
#2	.0376	.0165	-.2113	-.0164	.0005	.0000	.0048	-.0009	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**-.0040**	**.0010**	**-.0020**	**.0067**	**.0027**	**.0071**
Stddev	.0001	.0052	.0003	.0025	.0021	.0003	.0059
%RSD	38.95	128.4	26.93	126.2	31.52	11.76	83.45
#1	.0005	-.0077	.0008	-.0037	.0052	.0029	.0113
#2	.0003	-.0004	.0011	-.0002	.0081	.0024	.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	*****	**3955.7**	**8374.2**
Stddev	-----	-----	171.7	394.6
%RSD	-----	-----	4.3414	4.7119
#1	-----	-----	4077.2	8653.2
#2	-----	17495.	3834.3	8095.2

Zoom In Zoom Out

Sample Name: mp79796-mb1conf Acquired: 6/5/2014 13:48:39 Type: Unk
Method: Accutest 2(v55) Mode: 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	**.0032**	**-.0000**	**-.0000**	**-.0000**	**-.0006**	**-.0005**	**.0026**	**.0012**	**.0000**
Stddev	.0002	.0000	.0000	.0002	.0006	.0004	.0000	.0002	.0009
%RSD	6.699	71.96	181.6	406.0	88.77	83.40	.3818	17.68	11090.
#1	.0033	-.0000	-.0000	-.0002	-.0002	-.0002	.0026	.0011	.0006
#2	.0030	-.0001	.0000	.0001	-.0010	-.0008	.0026	.0014	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0027**	**-.0018**	**-.0015**	**.0003**	**-.0017**	**-.0006**	**-.0050**	**.1309**
Stddev	.0002	.0001	.0003	.0014	.0004	.0027	.0002	.0048	.0008
%RSD	85.88	2.819	19.58	92.80	139.6	157.3	29.10	94.74	.5904
#1	.0003	.0028	-.0015	-.0025	.0000	-.0036	-.0007	-.0084	.1304
#2	.0001	.0027	-.0020	-.0005	.0006	.0002	-.0004	-.0017	.1314

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0138**	**.0372**	**-.0774**	**.2053**	**.0015**	**.0002**	**-.0005**	**.8417**	**-.0002**
Stddev	.0018	.0041	.0166	.0020	.0007	.0000	.0025	.0044	.0002
%RSD	13.01	11.14	21.42	.9554	48.18	19.06	461.1	.5253	89.88
#1	.0151	.0402	-.0891	.2039	.0020	.0003	-.0023	.8448	-.0004
#2	.0125	.0343	-.0657	.2066	.0010	.0002	.0012	.8385	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0130**	**-.0001**	**.0071**	**.0000**	**.5959**	**-.0008**	**.0015**
Stddev	.0003	.0002	.0010	.0001	.0004	.0015	.0003
%RSD	2.689	185.1	14.70	821.2	.0662	196.5	20.08
#1	.0132	.0000	.0064	.0001	.5962	.0003	.0017
#2	.0127	-.0002	.0079	-.0001	.5957	-.0018	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90791.**	**16252.**	**2314.1**	**4881.9**
Stddev	284.	129.	4.3	5.6
%RSD	.31330	.79181	.18597	.11474
#1	90993.	16161.	2317.2	4885.9
#2	90590.	16343.	2311.1	4877.9

Zoom In Zoom Out

Sample Name: mp79796-s1 3 Acquired: 6/5/2014 13:51:50 Type: Unk
Method: Accutest 2(v55) 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	**1.971**	**.0496**	**.0509**	**.5249**	**.9177**	**.7183**	**5.047**	**2.017**	**.0780**
Stddev	.017	.0003	.0030	.0120	.0034	.0024	.020	.050	.0025
%RSD	.8644	.6363	5.821	2.288	.3655	.3407	.3871	2.452	3.147
#1	1.983	.0493	.0488	.5164	.9153	.7166	5.033	1.982	.0797
#2	1.959	.0498	.0530	.5333	.9200	.7200	5.061	2.052	.0762

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6003**	**.9097**	**2.089**	**2.057**	**2.964**	**1.965**	**.4946**	**6.321**	**28.31**
Stddev	.0031	.0253	.053	.042	.057	.046	.0105	.069	.32
%RSD	.5181	2.781	2.521	2.021	1.938	2.356	2.118	1.091	1.137
#1	.5981	.8918	2.051	2.028	2.924	1.932	.4872	6.369	28.54
#2	.6025	.9275	2.126	2.086	3.005	1.998	.5020	6.272	28.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**363.8**	**26.56**	**26.47**	**92.56**	**.2016**	**.1029**	**.0268**	**1.364**	**.0044**
Stddev	2.0	.21	.30	.93	.0047	.0022	.0002	.044	.0032
%RSD	.5568	.7837	1.147	1.006	2.317	2.116	.7878	3.213	72.52
#1	365.2	26.71	26.68	93.22	.1983	.1014	.0266	1.333	.0067
#2	362.3	26.41	26.25	91.90	.2049	.1045	.0269	1.395	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0359**	**.1673**	**.0370**	**.0034**	**412.3**	**.0497**	**.0272**
Stddev	.0001	.0029	.0054	.0016	11.0	.0048	.0013
%RSD	.3487	1.720	14.74	47.37	2.672	9.711	4.934
#1	.0358	.1694	.0408	.0046	404.5	.0531	.0262
#2	.0360	.1653	.0331	.0023	420.1	.0463	.0281

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88986.**	**16181.**	**2240.4**	**4622.9**
Stddev	263.	121.	49.7	93.3
%RSD	.29501	.74504	2.2172	2.0191
#1	89172.	16095.	2275.6	4688.9
#2	88801.	16266.	2205.3	4556.9

Zoom In Zoom Out

Sample Name: mp79796-s2 Acquired: 6/5/2014 13:54:54 Type: Unk
Method: Accutest 2(v55) 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	**2.075**	**.0525**	**.0514**	**.5421**	**.9893**	**.7792**	**5.463**	**2.111**	**.0806**
Stddev	.021	.0005	.0004	.0048	.0088	.0113	.054	.014	.0027
%RSD	.9963	.9339	.6855	.8831	.8907	1.456	.9898	.6690	3.326
#1	2.090	.0522	.0516	.5455	.9831	.7711	5.425	2.121	.0825
#2	2.060	.0529	.0511	.5387	.9956	.7872	5.502	2.101	.0787

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6430**	**.9515**	**2.158**	**2.128**	**3.072**	**2.040**	**.5029**	**6.722**	**29.88**
Stddev	.0064	.0075	.011	.037	.022	.008	.0065	.053	.24
%RSD	.9883	.7906	.5201	1.736	.7036	.3922	1.290	.7849	.8120
#1	.6385	.9568	2.166	2.155	3.088	2.046	.5074	6.760	30.05
#2	.6475	.9462	2.150	2.102	3.057	2.034	.4983	6.685	29.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**390.7**	**28.01**	**28.15**	**98.71**	**.2106**	**.1080**	**.0312**	**1.450**	**.0033**
Stddev	3.6	.11	.52	.64	.0005	.0000	.0018	.017	.0014
%RSD	.9094	.3765	1.835	.6508	.2393	.0097	5.811	1.142	41.19
#1	393.2	28.08	28.51	99.16	.2110	.1080	.0299	1.462	.0042
#2	388.2	27.93	27.78	98.25	.2102	.1080	.0325	1.438	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0386**	**.1829**	**.0335**	**.0026**	**432.5**	**.0521**	**.0287**
Stddev	.0001	.0014	.0058	.0001	3.4	.0015	.0059
%RSD	.2612	.7561	17.28	2.090	.7873	2.894	20.50
#1	.0385	.1819	.0376	.0026	434.9	.0511	.0246
#2	.0387	.1839	.0294	.0027	430.1	.0532	.0329

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88639.**	**16178.**	**2278.6**	**4691.0**
Stddev	515.	23.	9.7	18.1
%RSD	.58114	.14450	.42398	.38489
#1	89004.	16162.	2271.8	4678.2
#2	88275.	16195.	2285.5	4703.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 13:58:00 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.912**	**1.953**	**1.909**	**1.969**	**2.023**	**1.914**	**2.004**	**2.015**	**.2411**
Stddev	.014	.012	.008	.007	.009	.008	.007	.009	.0018
%RSD	.7558	.5991	.3983	.3633	.4686	.4324	.3423	.4573	.7357
#1	1.922	1.962	1.914	1.974	2.016	1.909	1.999	2.021	.2399
#2	1.902	1.945	1.903	1.964	2.029	1.920	2.008	2.008	.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	**1.982**	**2.006**	**1.951**	**1.965**	**1.994**	**1.924**	**1.945**	**38.30**	**38.41**
Stddev	.009	.004	.009	.006	.004	.006	.005	.26	.28
%RSD	.4789	.1974	.4621	.2922	.1789	.2910	.2366	.6741	.7287
#1	1.976	2.008	1.958	1.969	1.997	1.928	1.948	38.48	38.61
#2	1.989	2.003	1.945	1.961	1.992	1.920	1.942	38.12	38.21
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	**38.53**	**39.56**	**38.89**	**39.10**	**1.964**	**1.965**	**1.940**	**4.861**	**2.003**
Stddev	.16	.19	.20	.36	.005	.008	.004	.011	.005
%RSD	.4278	.4884	.5207	.9242	.2377	.4103	.2248	.2300	.2409
#1	38.65	39.69	39.03	39.35	1.967	1.971	1.937	4.869	2.007
#2	38.41	39.42	38.75	38.84	1.961	1.959	1.943	4.853	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 13:58:00 Type: QC
Method: Accutest 2(v55) 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	**1.902**	**1.995**	**2.045**	**1.993**	**1.923**	**1.966**	**1.940**
Stddev	.010	.009	.020	.011	.005	.006	.018
%RSD	.5379	.4719	.9605	.5694	.2634	.3252	.9506
#1	1.909	1.988	2.059	1.985	1.927	1.970	1.953
#2	1.895	2.002	2.031	2.001	1.919	1.961	1.927
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	**84916.**	**15736.**	**2213.3**	**4383.7**
Stddev	144.	97.	1.3	6.2
%RSD	.16961	.61699	.06060	.14257
#1	84814.	15667.	2212.4	4379.3
#2	85018.	15804.	2214.3	4388.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 14:00:56 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0000**	**-.0001**	**.0000**	**-.0002**	**-.0011**	**.0002**	**.0004**	**-.0004**
Stddev	.0003	.0001	.0002	.0003	.0004	.0002	.0000	.0005	.0005
%RSD	42.54	2999.	207.4	206800.	144.4	15.63	25.16	119.8	124.1
#1	.0004	.0001	.0000	-.0002	-.0005	-.0012	.0002	.0007	-.0000
#2	.0008	-.0001	-.0002	.0002	.0000	-.0010	.0002	.0001	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0001**	**-.0003**	**-.0008**	**-.0014**	**.0005**	**-.0018**	**.0011**
Stddev	.0006	.0001	.0004	.0013	.0011	.0029	.0000	.0005	.0010
%RSD	132.3	37.52	603.3	421.9	138.5	212.2	4.222	25.81	91.34
#1	.0000	.0004	-.0002	-.0012	-.0000	.0007	.0005	-.0022	.0004
#2	.0008	.0002	.0004	.0006	-.0015	-.0034	.0005	-.0015	.0018
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	**.0042**	**-.0097**	**-.0171**	**.0045**	**.0016**	**.0011**	**-.0007**	**.0004**	**.0004**
Stddev	.0024	.0075	.0114	.0069	.0005	.0003	.0000	.0001	.0006
%RSD	56.31	77.09	66.45	154.2	31.77	27.81	.8505	34.54	125.9
#1	.0026	-.0044	-.0091	.0094	.0012	.0009	-.0007	.0005	.0000
#2	.0059	-.0151	-.0251	-.0004	.0019	.0013	-.0007	.0003	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 14:00:56 Type: QC
Method: Accutest 2(v55) 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**	**-.0002**	F **.0298**	**.0008**	F **.0230**	**.0002**	**.0030**
Stddev	.0000	.0002	.0027	.0001	.0001	.0006	.0019
%RSD	8.692	99.86	9.147	9.468	.3327	257.5	65.68
#1	.0003	-.0003	.0278	.0009	.0230	.0006	.0043
#2	.0003	-.0001	.0317	.0008	.0229	-.0002	.0016
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0050		.0150		
Low Limit			-.0050		-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89622.**	**15985.**	**2297.4**	**4832.5**
Stddev	122.	60.	5.4	17.6
%RSD	.13605	.37824	.23576	.36354
#1	89708.	15943.	2301.3	4844.9
#2	89536.	16028.	2293.6	4820.1

Zoom In Zoom Out

Sample Name: jb67923-1a Acquired: 6/5/2014 14:04:08 Type: Unk
Method: Accutest 2(v55) 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	**.0268**	**-.0000**	**.0013**	**.0202**	**.6907**	**.4700**	**4.471**	**1.451**	**.0290**
Stddev	.0012	.0004	.0004	.0005	.0066	.0036	.021	.004	.0008
%RSD	4.633	3806.	29.95	2.507	.9483	.7635	.4727	.2923	2.666
#1	.0277	-.0003	.0010	.0205	.6861	.4675	4.456	1.448	.0296
#2	.0260	.0003	.0015	.0198	.6953	.4726	4.486	1.454	.0285

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1219**	**.4588**	**.0954**	**.0004**	**.9210**	**-.0131**	**-.0009**	**4.186**	**4.420**
Stddev	.0023	.0093	.0067	.0069	.0038	.0111	.0039	.013	.028
%RSD	1.846	2.027	7.027	1560.	.4130	85.02	427.1	.3143	.6431
#1	.1203	.4654	.0907	.0054	.9183	-.0209	-.0036	4.177	4.440
#2	.1235	.4523	.1002	-.0045	.9237	-.0052	.0018	4.195	4.399

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**356.3**	**1.409**	**2.426**	**65.88**	**.1990**	**.1003**	**.0283**	**1.290**	**.0047**
Stddev	.4	.185	.185	.12	.0004	.0006	.0004	.011	.0033
%RSD	.1102	13.15	7.618	.1751	.2017	.6399	1.504	.8174	70.59
#1	356.0	1.540	2.556	65.96	.1993	.0998	.0286	1.282	.0024
#2	356.6	1.278	2.295	65.80	.1987	.1007	.0280	1.297	.0071

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0361**	**.1644**	**.0812**	**.0027**	**398.5**	**.0578**	**.0261**
Stddev	.0001	.0026	.0027	.0001	2.1	.0017	.0038
%RSD	.1741	1.554	3.326	2.271	.5296	2.978	14.57
#1	.0361	.1626	.0793	.0027	397.0	.0590	.0288
#2	.0360	.1662	.0831	.0026	399.9	.0566	.0234

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90046.**	**16259.**	**2298.8**	**4780.3**
Stddev	78.	8.	12.1	25.2
%RSD	.08703	.04969	.52790	.52669
#1	89991.	16265.	2290.2	4762.5
#2	90102.	16254.	2307.4	4798.1

Zoom In Zoom Out

Sample Name: mp79796-sd1 Acquired: 6/5/2014 14:07:11 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0425**	**-.0017**	**-.0021**	**.0194**	**.6719**	**.4472**	**4.398**	**1.400**	**.0407**
Stddev	.0005	.0021	.0033	.0017	.0093	.0013	.016	.004	.0119
%RSD	1.289	124.5	155.9	8.885	1.391	.2872	.3703	.2741	29.32
#1	.0429	-.0031	.0002	.0182	.6653	.4481	4.386	1.403	.0323
#2	.0421	-.0002	-.0044	.0206	.6785	.4463	4.409	1.397	.0492

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1175**	**.4900**	**.0766**	**-.0223**	**.8680**	**-.0564**	**.0075**	**4.010**	**4.520**
Stddev	.0039	.0065	.0304	.0367	.0027	.0307	.0319	.100	.093
%RSD	3.313	1.319	39.70	164.3	.3061	54.42	422.6	2.502	2.059
#1	.1148	.4946	.0551	-.0483	.8698	-.0347	.0301	4.080	4.586
#2	.1203	.4854	.0980	.0036	.8661	-.0780	-.0150	3.939	4.454

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**358.7**	**1.487**	**1.059**	**65.62**	**.2061**	**.1036**	**.0407**	**1.375**	**.0122**
Stddev	10.4	.701	.150	1.81	.0151	.0016	.0266	.013	.0028
%RSD	2.900	47.16	14.16	2.755	7.313	1.574	65.43	.9343	22.55
#1	366.0	1.983	.9527	66.89	.1954	.1048	.0595	1.366	.0103
#2	351.3	.9910	1.165	64.34	.2167	.1025	.0219	1.384	.0142

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0372**	**.1584**	**.2192**	**.0052**	**383.4**	**.0135**	**.0992**
Stddev	.0023	.0180	.0138	.0033	1.7	.0223	.0195
%RSD	6.179	11.38	6.287	63.61	.4435	164.6	19.64
#1	.0388	.1457	.2095	.0075	384.6	-.0022	.1130
#2	.0355	.1712	.2290	.0028	382.2	.0293	.0854

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89700.**	**15735.**	**2306.0**	**4818.5**
Stddev	477.	285.	1.6	4.5
%RSD	.53168	1.8085	.06896	.09267
#1	89363.	15533.	2304.9	4815.4
#2	90037.	15936.	2307.1	4821.7

Zoom In Zoom Out

Sample Name: jb67923-6a Acquired: 6/5/2014 14:10:20 Type: Unk
Method: Accutest 2(v55) 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	**.0294**	**.0007**	**.0005**	**.0149**	**1.241**	**.0161**	**6.389**	**.4910**	**.0306**
Stddev	.0003	.0001	.0003	.0002	.005	.0016	.004	.0028	.0016
%RSD	1.063	8.438	62.25	1.624	.3767	9.803	.0702	.5726	5.076
#1	.0296	.0007	.0007	.0147	1.237	.0150	6.386	.4929	.0317
#2	.0292	.0007	.0003	.0150	1.244	.0172	6.392	.4890	.0295

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0559**	**.2904**	**-.0053**	**-.0061**	**.4468**	**-.0023**	**-.0152**	**12.58**	**7.221**
Stddev	.0006	.0013	.0045	.0036	.0013	.0016	.0011	.05	.071
%RSD	1.054	.4338	84.68	59.51	.2970	69.34	7.036	.4298	.9775
#1	.0563	.2913	-.0021	-.0087	.4477	-.0012	-.0159	12.61	7.270
#2	.0555	.2895	-.0085	-.0036	.4458	-.0034	-.0144	12.54	7.171

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**621.9**	**2.913**	**7.291**	**147.8**	**.0617**	**.0105**	**.0568**	**3.218**	**-.0059**
Stddev	3.5	.029	.023	1.2	.0011	.0001	.0026	.002	.0015
%RSD	.5678	.9936	.3140	.8262	1.860	.7601	4.534	.0753	24.88
#1	624.4	2.933	7.308	148.7	.0625	.0105	.0550	3.219	-.0049
#2	619.4	2.892	7.275	147.0	.0609	.0104	.0587	3.216	-.0069

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0594**	**.4314**	**.0324**	**.0040**	**888.5**	**.0903**	**.0325**
Stddev	.0004	.0003	.0039	.0003	3.9	.0025	.0005
%RSD	.6104	.0668	12.18	6.538	.4362	2.741	1.462
#1	.0597	.4316	.0296	.0038	891.3	.0920	.0328
#2	.0591	.4312	.0351	.0042	885.8	.0885	.0321

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87081.**	**16571.**	**2242.7**	**4645.6**
Stddev	294.	145.	4.9	11.3
%RSD	.33708	.87380	.22031	.24319
#1	86874.	16468.	2239.2	4637.7
#2	87289.	16673.	2246.2	4653.6

Zoom In Zoom Out

Sample Name: jb67923-6a Acquired: 6/5/2014 14:13:23 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 20.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0382**	**-.0017**	**-.0033**	**.0150**	**1.216**	**.0110**	**6.347**	**.5030**	**.0488**
Stddev	.0037	.0012	.0031	.0038	.008	.0045	.030	.0104	.0082
%RSD	9.575	68.73	91.75	25.23	.6446	41.35	.4782	2.063	16.70
#1	.0408	-.0026	-.0012	.0123	1.211	.0142	6.326	.4956	.0546
#2	.0357	-.0009	-.0055	.0177	1.222	.0078	6.369	.5103	.0430

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0599**	**.3070**	**-.0237**	**-.0056**	**.4650**	**-.0144**	**-.0163**	**12.50**	**7.267**
Stddev	.0051	.0035	.0246	.0020	.0159	.0078	.0006	.18	.070
%RSD	8.467	1.130	103.8	35.27	3.414	53.94	3.626	1.440	.9569
#1	.0563	.3045	-.0063	-.0042	.4762	-.0199	-.0159	12.38	7.217
#2	.0635	.3094	-.0411	-.0070	.4538	-.0089	-.0168	12.63	7.316

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**640.4**	**2.911**	**6.531**	**146.5**	**.0761**	**.0085**	**.0695**	**3.248**	**-.0083**
Stddev	1.5	.145	1.796	.8	.0120	.0025	.0257	.033	.0009
%RSD	.2279	4.970	27.49	.5220	15.73	29.29	36.92	1.019	11.33
#1	641.4	3.013	7.801	147.1	.0845	.0102	.0513	3.224	-.0089
#2	639.4	2.808	5.261	146.0	.0676	.0067	.0876	3.271	-.0076

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0596**	**.4119**	**.1151**	**.0048**	**920.5**	**.1267**	**.0682**
Stddev	.0004	.0054	.0083	.0037	9.2	.0053	.0214
%RSD	.7521	1.323	7.242	76.46	1.001	4.192	31.35
#1	.0600	.4080	.1092	.0074	914.0	.1229	.0833
#2	.0593	.4157	.1210	.0022	927.1	.1304	.0530

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89936.**	**16154.**	**2309.5**	**4810.7**
Stddev	38.	2.	1.4	5.9
%RSD	.04179	.01385	.06151	.12315
#1	89963.	16152.	2308.5	4806.5
#2	89910.	16156.	2310.5	4814.9

Zoom In Zoom Out

Sample Name: jb67923-7a Acquired: 6/5/2014 14:16:31 Type: Unk
Method: Accutest 2(v55) 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	**.0307**	**.0002**	**.0006**	**.0098**	**.5270**	**.1299**	**2.786**	**.3193**	**.0192**
Stddev	.0002	.0001	.0006	.0005	.0042	.0012	.027	.0008	.0049
%RSD	.5777	49.46	96.66	5.407	.7892	.9582	.9702	.2615	25.26
#1	.0306	.0003	.0002	.0094	.5241	.1290	2.767	.3187	.0226
#2	.0308	.0001	.0010	.0101	.5300	.1308	2.805	.3199	.0158

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0387**	**.2317**	**-.0025**	**-.0040**	**.6334**	**-.0007**	**-.0090**	**5.369**	**4.488**
Stddev	.0009	.0019	.0014	.0027	.0010	.0012	.0010	.041	.066
%RSD	2.240	.8047	54.89	66.28	.1653	166.9	10.65	.7650	1.468
#1	.0380	.2330	-.0035	-.0021	.6326	-.0016	-.0083	5.399	4.535
#2	.0393	.2303	-.0015	-.0059	.6341	.0001	-.0097	5.340	4.442

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**273.5**	**1.440**	**3.094**	**73.93**	**.2016**	**.0110**	**.0254**	**3.142**	**-.0005**
Stddev	3.5	.097	.027	.85	.0018	.0004	.0013	.015	.0002
%RSD	1.263	6.718	.8842	1.143	.9105	3.178	5.114	.4646	38.95
#1	276.0	1.509	3.113	74.53	.2029	.0108	.0263	3.152	-.0007
#2	271.1	1.372	3.075	73.33	.2003	.0113	.0245	3.132	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0461**	**.2073**	**.0191**	**.0031**	**539.0**	**.0389**	**.0136**
Stddev	.0005	.0001	.0015	.0004	1.2	.0009	.0015
%RSD	1.184	.0586	7.753	11.44	.2167	2.265	11.17
#1	.0465	.2072	.0181	.0029	539.8	.0395	.0147
#2	.0457	.2074	.0202	.0034	538.1	.0383	.0126

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89457.**	**16622.**	**2293.2**	**4724.1**
Stddev	322.	277.	11.5	21.2
%RSD	.36029	1.6642	.49954	.44840
#1	89685.	16427.	2285.1	4709.1
#2	89229.	16818.	2301.3	4739.1

Zoom In Zoom Out

Sample Name: jb68027-1a Acquired: 6/5/2014 14:19:35 Type: Unk
Method: Accutest 2(v55) 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	**.0345**	**.0007**	**.0001**	**.0059**	**.1130**	**.0072**	**1.307**	**.2408**	**.0103**
Stddev	.0009	.0002	.0002	.0001	.0017	.0007	.009	.0028	.0030
%RSD	2.615	34.46	230.3	1.973	1.483	10.18	.7051	1.170	28.97
#1	.0352	.0008	-.0001	.0060	.1118	.0078	1.300	.2428	.0124
#2	.0339	.0005	.0003	.0058	.1142	.0067	1.313	.2388	.0082

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0135**	**.1397**	**-.0010**	**.0026**	**.2483**	**-.0006**	**-.0011**	**5.876**	**2.215**
Stddev	.0007	.0015	.0013	.0064	.0014	.0038	.0004	.118	.055
%RSD	5.102	1.088	133.2	249.2	.5591	610.5	36.36	2.016	2.487
#1	.0130	.1408	-.0019	.0071	.2492	.0021	-.0008	5.960	2.254
#2	.0140	.1386	-.0001	-.0020	.2473	-.0033	-.0013	5.792	2.176

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**112.5**	**1.669**	**8.618**	**86.18**	**.0598**	**.0016**	**.0052**	**1.555**	**.0007**
Stddev	2.1	.022	.116	1.66	.0005	.0005	.0043	.007	.0005
%RSD	1.860	1.306	1.340	1.927	.8057	29.54	83.41	.4535	67.03
#1	114.0	1.685	8.699	87.35	.0602	.0013	.0083	1.560	.0004
#2	111.1	1.654	8.536	85.01	.0595	.0019	.0021	1.550	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0394**	**.0140**	**.0138**	**.0015**	**110.0**	**.0112**	**.0494**
Stddev	.0008	.0003	.0041	.0003	.9	.0013	.0050
%RSD	2.036	1.893	30.04	17.14	.8285	11.72	10.07
#1	.0400	.0139	.0108	.0017	110.7	.0103	.0529
#2	.0389	.0142	.0167	.0014	109.4	.0121	.0459

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89507.**	**16100.**	**2299.3**	**4667.6**
Stddev	459.	270.	14.1	33.9
%RSD	.51261	1.6769	.61459	.72570
#1	89832.	15909.	2289.3	4643.7
#2	89183.	16291.	2309.3	4691.6

Zoom In Zoom Out

Sample Name: jb68027-3a Acquired: 6/5/2014 14:22:41 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0334**	**-.0026**	**-.0039**	**.0110**	**.2352**	**.0152**	**1.421**	**.1813**	**.0099**
Stddev	.0054	.0001	.0061	.0055	.0065	.0021	.015	.0098	.0126
%RSD	16.02	5.060	155.1	49.46	2.773	13.58	1.084	5.421	127.1
#1	.0372	-.0027	.0004	.0072	.2306	.0138	1.410	.1883	.0010
#2	.0296	-.0025	-.0083	.0149	.2398	.0167	1.432	.1744	.0189

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0381**	**.3838**	**-.0240**	**-.0260**	**.6995**	**-.0720**	**-.0497**	**13.60**	**4.937**
Stddev	.0000	.0063	.0030	.0028	.0223	.0331	.0017	.07	.085
%RSD	.1297	1.644	12.35	10.93	3.187	45.95	3.443	.5211	1.721
#1	.0381	.3882	-.0219	-.0240	.6837	-.0486	-.0485	13.55	4.997
#2	.0381	.3793	-.0261	-.0280	.7152	-.0954	-.0510	13.65	4.877

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**155.4**	**1.894**	**11.99**	**258.3**	**.0703**	**.0035**	**.0248**	**1.574**	**.0052**
Stddev	1.9	.097	.43	4.3	.0104	.0007	.0248	.008	.0104
%RSD	1.215	5.141	3.604	1.662	14.79	20.45	100.2	.5244	198.1
#1	156.8	1.825	12.29	261.4	.0630	.0040	.0423	1.568	.0126
#2	154.1	1.963	11.68	255.3	.0777	.0030	.0072	1.580	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0792**	**.6939**	**.0869**	**.0055**	**1102.**	**.0315**	**.1055**
Stddev	.0004	.0139	.0335	.0014	5.	.0221	.0229
%RSD	.4791	2.006	38.52	25.57	.4349	70.23	21.67
#1	.0794	.6841	.0632	.0066	1106.	.0158	.1217
#2	.0789	.7037	.1105	.0045	1099.	.0471	.0894

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89806.**	**15945.**	**2321.0**	**4819.9**
Stddev	311.	190.	6.3	10.1
%RSD	.34576	1.1901	.27244	.21047
#1	90026.	15810.	2316.5	4812.7
#2	89587.	16079.	2325.5	4827.0

Zoom In Zoom Out

Sample Name: jb68027-4a Acquired: 6/5/2014 14:25:50 Type: Unk
Method: Accutest 2(v55) 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	**.0279**	**.0001**	**.0002**	**.0016**	**.0793**	**.0217**	**1.023**	**.0477**	**.0052**
Stddev	.0008	.0000	.0000	.0002	.0006	.0011	.004	.0002	.0009
%RSD	2.726	4.707	20.38	14.27	.7112	4.841	.4411	.5115	16.43
#1	.0285	.0001	.0002	.0018	.0797	.0210	1.020	.0479	.0046
#2	.0274	.0001	.0002	.0015	.0789	.0225	1.026	.0476	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0130**	**.0731**	**-.0023**	**.0028**	**.3079**	**-.0015**	**-.0022**	**4.319**	**1.897**
Stddev	.0006	.0003	.0029	.0035	.0032	.0037	.0005	.053	.043
%RSD	4.572	.4256	127.2	126.6	1.031	253.2	21.89	1.236	2.267
#1	.0126	.0733	-.0002	.0052	.3057	-.0041	-.0018	4.357	1.927
#2	.0134	.0729	-.0043	.0003	.3101	.0012	-.0025	4.281	1.866

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**70.48**	**.8810**	**5.725**	**82.02**	**.0408**	**.0011**	**.0070**	**.6899**	**-.0002**
Stddev	.80	.0065	.229	.99	.0007	.0002	.0043	.0018	.0004
%RSD	1.141	.7419	3.997	1.207	1.827	23.17	61.23	.2588	241.2
#1	71.05	.8856	5.887	82.72	.0414	.0012	.0040	.6912	-.0005
#2	69.91	.8764	5.563	81.32	.0403	.0009	.0101	.6887	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0423**	**.0852**	**.0095**	**.0006**	**110.3**	**.0107**	**.0312**
Stddev	.0004	.0022	.0014	.0002	.6	.0008	.0006
%RSD	.9331	2.565	14.56	25.62	.5368	7.321	1.863
#1	.0426	.0868	.0105	.0005	110.7	.0102	.0317
#2	.0420	.0837	.0085	.0008	109.9	.0113	.0308

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89151.**	**16135.**	**2283.8**	**4652.3**
Stddev	57.	148.	5.7	9.5
%RSD	.06428	.91535	.24871	.20399
#1	89192.	16031.	2279.8	4645.6
#2	89111.	16240.	2287.9	4659.0

Zoom In Zoom Out

Sample Name: jb68027-5a Acquired: 6/5/2014 14:28:57 Type: Unk
Method: Accutest 2(v55) 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	**.0277**	**-.0003**	**.0005**	**.0077**	**.1911**	**.0037**	**1.900**	**.1095**	**.0088**
Stddev	.0003	.0005	.0012	.0000	.0069	.0003	.048	.0078	.0021
%RSD	.9155	171.0	267.1	.0613	3.616	7.109	2.514	7.076	23.49
#1	.0279	-.0007	-.0004	.0077	.1862	.0035	1.866	.1041	.0073
#2	.0275	.0001	.0013	.0077	.1959	.0039	1.934	.1150	.0102

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0334**	**.1275**	**-.0034**	**.0025**	**.7333**	**-.0164**	**-.0070**	**9.521**	**5.860**
Stddev	.0014	.0077	.0017	.0051	.0405	.0170	.0065	.145	.002
%RSD	4.321	6.043	49.57	200.7	5.523	103.2	93.32	1.521	.0416
#1	.0324	.1221	-.0022	-.0011	.7046	-.0044	-.0116	9.419	5.858
#2	.0344	.1329	-.0046	.0061	.7619	-.0284	-.0024	9.624	5.862

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**149.4**	**1.166**	**6.803**	**200.2**	**.0519**	**.0005**	**.0152**	**1.420**	**.0050**
Stddev	1.2	.098	.188	1.0	.0016	.0007	.0062	.050	.0004
%RSD	.7836	8.417	2.765	.4798	3.122	129.9	40.45	3.484	7.463
#1	148.6	1.097	6.936	199.6	.0507	.0010	.0196	1.385	.0052
#2	150.3	1.235	6.670	200.9	.0530	.0000	.0109	1.455	.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0629**	**.4531**	**.0195**	**.0005**	**377.7**	**.0312**	**.0395**
Stddev	.0009	.0062	.0043	.0010	19.5	.0067	.0024
%RSD	1.499	1.375	21.86	195.2	5.172	21.53	6.122
#1	.0622	.4487	.0165	-.0002	363.8	.0359	.0378
#2	.0635	.4575	.0226	.0013	391.5	.0264	.0412

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88357.**	**15937.**	**2279.7**	**4646.8**
Stddev	133.	31.	4.8	6.7
%RSD	.15070	.19688	.21255	.14348
#1	88452.	15915.	2276.3	4642.1
#2	88263.	15959.	2283.2	4651.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 14:32:04 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.903**	**1.947**	**1.903**	**1.969**	**2.009**	**1.905**	**1.999**	**2.018**	**.2397**
Stddev	.025	.028	.011	.013	.001	.012	.002	.009	.0004
%RSD	1.341	1.459	.5933	.6353	.0497	.6247	.0848	.4380	.1790
#1	1.921	1.967	1.911	1.978	2.008	1.897	1.998	2.024	.2394
#2	1.885	1.927	1.895	1.961	2.009	1.914	2.000	2.011	.2400
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	**1.970**	**2.008**	**1.951**	**1.954**	**1.993**	**1.922**	**1.952**	**38.05**	**37.98**
Stddev	.003	.014	.010	.011	.007	.012	.011	.55	.54
%RSD	.1632	.6920	.4939	.5440	.3728	.5990	.5434	1.436	1.417
#1	1.967	2.018	1.958	1.961	1.999	1.930	1.959	38.44	38.36
#2	1.972	1.998	1.944	1.946	1.988	1.914	1.944	37.66	37.60
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	**38.37**	**39.30**	**38.99**	**38.80**	**1.964**	**1.962**	**1.914**	**4.855**	**2.004**
Stddev	.55	.63	.66	.56	.009	.013	.008	.029	.016
%RSD	1.444	1.601	1.697	1.446	.4741	.6740	.4000	.5910	.7928
#1	38.76	39.75	39.46	39.20	1.970	1.972	1.909	4.875	2.015
#2	37.97	38.86	38.52	38.40	1.957	1.953	1.920	4.835	1.993
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: 6/5/2014 14:32:04 Type: QC
Method: Accutest 2(v55) 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	**1.900**	**1.994**	**2.039**	**1.985**	**1.926**	**1.962**	**1.932**
Stddev	.026	.005	.026	.005	.009	.012	.028
%RSD	1.397	.2284	1.271	.2606	.4580	.6262	1.434
#1	1.918	1.991	2.058	1.981	1.932	1.970	1.952
#2	1.881	1.998	2.021	1.988	1.920	1.953	1.913
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	**85369.**	**15786.**	**2205.3**	**4374.1**
Stddev	272.	185.	7.4	12.4
%RSD	.31804	1.1696	.33637	.28408
#1	85177.	15656.	2200.0	4365.3
#2	85561.	15917.	2210.5	4382.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 14:35:00 Type: QC
Method: Accutest 2(v55) Mode: 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**	**.0000**	**.0001**	**.0001**	**-.0004**	**-.0005**	**.0001**	**.0003**	**-.0002**
Stddev	.0002	.0000	.0001	.0001	.0002	.0006	.0000	.0003	.0003
%RSD	21.36	504.3	102.2	94.11	49.63	117.0	8.591	105.6	143.6
#1	.0009	.0000	.0001	.0002	-.0002	-.0010	.0001	.0001	.0000
#2	.0007	-.0000	.0000	.0000	-.0005	-.0001	.0001	.0005	-.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**	**.0003**	**-.0003**	**-.0007**	**-.0001**	**-.0025**	**.0010**	**-.0057**	**.0016**
Stddev	.0002	.0002	.0004	.0020	.0003	.0008	.0001	.0051	.0001
%RSD	69.52	69.50	128.2	280.1	233.1	30.24	6.628	89.03	6.014
#1	.0002	.0005	-.0006	-.0021	.0001	-.0020	.0010	-.0021	.0017
#2	.0005	.0002	-.0000	.0007	-.0004	-.0031	.0009	-.0093	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0001**	**-.0151**	**.0113**	**.0010**	**.0010**	**.0004**	**-.0008**	F **.0012**
Stddev	.0040	.0057	.0532	.0003	.0007	.0001	.0005	.0004	.0005
%RSD	381.4	6271.	353.2	2.371	72.09	5.793	134.0	52.64	39.67
#1	-.0018	-.0040	-.0527	.0115	.0015	.0011	.0007	-.0005	.0016
#2	.0039	.0041	.0225	.0111	.0005	.0010	.0000	-.0011	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									.0012
Low Limit									-.0012

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 14:35:00 Type: QC
Method: Accutest 2(v55) 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**	F **.0302**	**.0010**	F **.0274**	**.0007**	**.0027**
Stddev	.0000	.0002	.0030	.0001	.0020	.0007	.0012
%RSD	11.58	51.20	10.01	12.94	7.344	97.59	44.03
#1	.0003	.0004	.0281	.0009	.0289	.0002	.0036
#2	.0003	.0002	.0323	.0010	.0260	.0012	.0019
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0050		.0150		
Low Limit			-.0050		-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89728.**	**15853.**	**2302.9**	**4844.6**
Stddev	195.	9.	8.3	17.5
%RSD	.21694	.05801	.36206	.36130
#1	89865.	15846.	2297.0	4832.2
#2	89590.	15859.	2308.8	4856.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/5/2014 14:38:12 Type: QC
Method: Accutest 2(v55) Mode: 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	**.1939**	**.0019**	**.0031**	**.0491**	**.0100**	**.0094**	**.0154**	**.0103**	**.0050**
Stddev	.0012	.0001	.0000	.0003	.0003	.0006	.0002	.0000	.0004
%RSD	.6138	2.685	1.542	.6792	3.481	6.717	1.027	.3360	8.384
#1	.1930	.0019	.0031	.0493	.0098	.0098	.0153	.0103	.0047
#2	.1947	.0018	.0031	.0488	.0103	.0089	.0156	.0104	.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	**.0500**	**.0232**	**.0081**	**.0091**	**.0037**	**.0120**	**.0051**	**.1818**	**4.901**
Stddev	.0009	.0003	.0019	.0011	.0002	.0011	.0003	.0096	.023
%RSD	1.717	1.346	23.28	12.02	4.174	8.992	6.673	5.298	.4706
#1	.0493	.0234	.0095	.0084	.0038	.0112	.0049	.1750	4.885
#2	.0506	.0230	.0068	.0099	.0036	.0127	.0054	.1886	4.917
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	**.1032**	**5.280**	**4.885**	**4.927**	**.1010**	**.0205**	**.0512**	**.1996**	**.0106**
Stddev	.0031	.022	.065	.023	.0016	.0001	.0008	.0024	.0007
%RSD	2.973	.4197	1.320	.4716	1.549	.3368	1.636	1.206	6.535
#1	.1011	5.264	4.839	4.910	.1021	.0206	.0506	.2013	.0101
#2	.1054	5.296	4.930	4.943	.0999	.0205	.0518	.1979	.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/5/2014 14:38:12 Type: QC
Method: Accutest 2(v55) 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	**.0100**	**.0105**	F **.0742**	**.0103**	F **.0679**	**.0202**	**.0224**
Stddev	.0000	.0003	.0023	.0001	.0008	.0003	.0004
%RSD	.2562	2.582	3.050	1.303	1.236	1.503	1.691
#1	.0100	.0103	.0726	.0102	.0685	.0199	.0221
#2	.0101	.0107	.0758	.0104	.0673	.0204	.0226
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value			.0500		.0500		
Range			30.00%		30.00%		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88575.**	**15902.**	**2284.3**	**4745.8**
Stddev	219.	23.	14.7	27.2
%RSD	.24731	.14576	.64413	.57308
#1	88730.	15886.	2273.9	4726.6
#2	88420.	15919.	2294.7	4765.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/5/2014 14:41:22 Type: QC
Method: Accutest 2(v55) Mode: 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	**.0047**	**.0008**	**.0010**	**.0025**	**.0015**	F **.0009**	**.0032**	**.0043**	F **.0005**
Stddev	.0001	.0001	.0002	.0002	.0003	.0005	.0000	.0000	.0001
%RSD	1.324	6.923	22.53	6.817	21.11	51.02	.2063	.1295	25.31
#1	.0047	.0009	.0011	.0024	.0013	.0006	.0032	.0043	.0006
#2	.0046	.0008	.0008	.0027	.0017	.0013	.0032	.0043	.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	**.0019**	**.0117**	**.0032**	**.0015**	**.0025**	F **.0023**	**.0036**	F **.2769**	**1.145**
Stddev	.0004	.0000	.0004	.0010	.0009	.0001	.0036	.0059	.004
%RSD	20.27	.3686	13.76	68.27	34.35	6.202	98.13	2.120	.3708
#1	.0022	.0117	.0029	.0008	.0019	.0024	.0062	.2727	1.142
#2	.0016	.0117	.0036	.0022	.0031	.0022	.0011	.2810	1.148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value						.0050		.1000	
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	**.0769**	F **.3168**	**1.962**	**1.003**	**.0106**	**.0001**	**.0006**	**.0047**	**.0000**
Stddev	.0005	.0133	.013	.001	.0001	.0000	.0007	.0001	.0003
%RSD	.6822	4.190	.6565	.0513	1.030	4.885	112.3	3.072	4766.
#1	.0773	.3075	1.971	1.003	.0106	.0001	.0011	.0048	.0002
#2	.0765	.3262	1.953	1.002	.0107	.0001	.0001	.0046	-.0002
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/5/2014 14:41:22 Type: QC
Method: Accutest 2(v55) 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**	**-.0007**	F **.0088**	F **.0002**	F **.0229**	F **.0019**	F **.0023**
Stddev	.0000	.0004	.0019	.0002	.0016	.0009	.0011
%RSD	27.03	65.14	21.88	99.63	6.871	44.53	47.46
#1	.0001	-.0004	.0074	.0003	.0218	.0026	.0015
#2	.0001	-.0010	.0101	.0001	.0240	.0013	.0030
Check ?	None	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value			.0040	.0040	.0040	.0040	.0040
Range			30.00%	-30.00%	30.00%	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89186.**	**15917.**	**2295.7**	**4814.4**
Stddev	40.	102.	6.8	9.8
%RSD	.04535	.64195	.29816	.20344
#1	89157.	15845.	2290.9	4807.4
#2	89214.	15989.	2300.6	4821.3

Zoom In Zoom Out

Sample Name: cria Acquired: 6/5/2014 14:44:33 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0001**	**-.0003**	**-.0003**	**-.0004**	**-.0006**	**.0001**	**.0003**	**-.0003**
Stddev	.0003	.0000	.0000	.0000	.0005	.0006	.0000	.0002	.0007
%RSD	48.68	14.21	.1846	8.299	129.9	90.01	42.33	65.71	220.2
#1	.0004	-.0001	-.0003	-.0002	-.0000	-.0010	.0001	.0002	-.0008
#2	.0008	-.0002	-.0003	-.0003	-.0008	-.0002	.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	**.0000**	**.0013**	**.0183**	**-.0008**	**.0190**	**.0182**	**.0195**	**.4745**	**.0049**
Stddev	.0002	.0001	.0008	.0008	.0005	.0034	.0001	.0008	.0027
%RSD	601.5	5.025	4.451	108.5	2.644	18.62	.6727	.1718	55.03
#1	.0002	.0014	.0177	-.0013	.0187	.0206	.0194	.4751	.0069
#2	-.0001	.0013	.0189	-.0002	.0194	.0158	.0196	.4739	.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	**.4999**	**-.0202**	**-.0665**	**.0109**	**.0007**	**.0001**	**-.0010**	**.0036**	**.0007**
Stddev	.0089	.0039	.0585	.0060	.0003	.0003	.0013	.0003	.0005
%RSD	1.782	19.07	87.94	54.61	37.56	311.6	128.8	7.210	78.67
#1	.5062	-.0230	-.0252	.0151	.0009	-.0001	-.0001	.0034	.0003
#2	.4936	-.0175	-.1079	.0067	.0005	.0003	-.0019	.0038	.0011
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/5/2014 14:44:33 Type: QC
Method: Accutest 2(v55) 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**	**.0085**	**.0001**	**.0190**	**.0020**	**.0025**
Stddev	.0001	.0002	.0000	.0001	.0014	.0008	.0008
%RSD	71.73	93.73	.5526	74.60	7.598	37.59	31.56
#1	.0001	-.0001	.0085	.0001	.0200	.0025	.0031
#2	.0002	-.0004	.0086	.0000	.0180	.0015	.0020
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	**89844.**	**15947.**	**2303.0**	**4842.1**
Stddev	52.	64.	1.6	.6
%RSD	.05770	.40053	.07073	.01244
#1	89880.	15902.	2301.8	4842.5
#2	89807.	15993.	2304.1	4841.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/5/2014 14:47:45 Type: Unk
Method: Accutest 2(v55) Mode: CONC Corr. Factor: 15.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0683**	**.0125**	**.0126**	**.0421**	**.0237**	**.0068**	**.0479**	**.0622**	**.0148**
Stddev	.0020	.0006	.0005	.0010	.0046	.0021	.0011	.0004	.0036
%RSD	2.922	4.745	4.244	2.460	19.34	31.25	2.377	.6738	24.63
#1	.0697	.0121	.0130	.0428	.0205	.0053	.0487	.0625	.0174
#2	.0669	.0130	.0122	.0413	.0270	.0083	.0471	.0619	.0122

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0309**	**.1763**	**.0328**	**.0401**	**.0382**	**.0298**	**.0481**	**4.284**	**17.32**
Stddev	.0027	.0010	.0075	.0225	.0069	.0112	.0218	.001	.34
%RSD	8.889	.5604	22.79	56.14	18.17	37.59	45.25	.0181	1.977
#1	.0290	.1770	.0381	.0242	.0333	.0378	.0327	4.284	17.57
#2	.0329	.1756	.0276	.0561	.0431	.0219	.0635	4.283	17.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.199**	**4.529**	**30.40**	**14.99**	**.1558**	**.0021**	**.0082**	**.0630**	**.0014**
Stddev	.027	.251	.85	.20	.0045	.0005	.0155	.0052	.0147
%RSD	2.249	5.548	2.789	1.329	2.899	21.84	189.1	8.280	1047.
#1	1.218	4.352	31.00	15.13	.1526	.0018	.0191	.0593	-.0090
#2	1.180	4.707	29.80	14.85	.1590	.0024	-.0028	.0667	.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0009**	**-.0039**	**.0739**	**-.0036**	**.3088**	**.0133**	**.0284**
Stddev	.0007	.0056	.0244	.0001	.0268	.0041	.0176
%RSD	75.66	143.5	33.05	1.861	8.669	30.80	61.88
#1	.0004	-.0079	.0567	-.0037	.2899	.0104	.0408
#2	.0013	.0001	.0912	-.0036	.3277	.0162	.0160

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89531.**	**15833.**	**2295.0**	**4808.1**
Stddev	337.	130.	12.3	21.4
%RSD	.37670	.82335	.53632	.44526
#1	89770.	15740.	2286.3	4793.0
#2	89293.	15925.	2303.7	4823.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/5/2014 14:50:56 Type: QC
Method: Accutest 2(v55) Mode: 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**	**-.0002**	**.0008**	**-.0004**	**.0008**	**-.0005**	**-.0012**	**.0010**	**.0018**
Stddev	.0001	.0000	.0000	.0004	.0001	.0001	.0002	.0001	.0005
%RSD	19.26	8.473	3.880	115.5	11.67	28.01	15.21	6.541	30.18
#1	-.0005	-.0002	.0008	-.0001	.0009	-.0004	-.0010	.0010	.0022
#2	-.0007	-.0002	.0008	-.0007	.0008	-.0006	-.0013	.0009	.0014
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	**.0010**	**-.0065**	**-.0033**	**-.0003**	**.0008**	**-.0042**	**-.0009**	**478.9**	**363.9**
Stddev	.0002	.0004	.0011	.0032	.0039	.0059	.0031	3.6	3.0
%RSD	23.55	6.358	32.38	1220.	479.5	142.6	341.0	.7595	.8190
#1	.0009	-.0062	-.0025	-.0025	-.0019	-.0084	.0013	481.5	366.0
#2	.0012	-.0068	-.0040	.0020	.0036	.0000	-.0031	476.3	361.8
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	**184.8**	**506.3**	**.2092**	**.0006**	**-.0040**	**-.0005**	**.0209**	**-.0162**	**-.0016**
Stddev	1.0	2.5	.0068	.0051	.0003	.0002	.0009	.0025	.0004
%RSD	.5489	.5027	3.265	861.7	8.364	45.13	4.394	15.61	23.68
#1	185.5	508.1	.2043	-.0030	-.0038	-.0007	.0216	-.0180	-.0014
#2	184.0	504.5	.2140	.0042	-.0042	-.0004	.0203	-.0144	-.0019
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: 6/5/2014 14:50:56 Type: QC
Method: Accutest 2(v55) 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	**-.0050**	**.0021**	**.0080**	**-.0013**	**.0348**	**.0219**	**.0114**
Stddev	.0000	.0005	.0019	.0003	.0036	.0004	.0001
%RSD	.8311	25.58	23.25	22.83	10.38	1.689	.7155
#1	-.0050	.0025	.0093	-.0011	.0322	.0217	.0114
#2	-.0050	.0017	.0067	-.0015	.0373	.0222	.0115
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	**77978.**	**15435.**	**2031.8**	**3905.9**
Stddev	250.	60.	5.2	11.8
%RSD	.32055	.39053	.25565	.30164
#1	77802.	15393.	2028.1	3897.6
#2	78155.	15478.	2035.5	3914.2

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/5/2014 14:54:02 Type: QC
Method: Accutest 2(v55) Mode: 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	**.4732**	**.4768**	**.9661**	**.4795**	**.4858**	**.5002**	**.4913**	**.9790**	**1.002**
Stddev	.0029	.0032	.0058	.0043	.0034	.0027	.0032	.0060	.005
%RSD	.6101	.6800	.6016	.8950	.6953	.5447	.6460	.6173	.5274
#1	.4752	.4791	.9702	.4826	.4834	.4983	.4890	.9833	.9978
#2	.4711	.4745	.9620	.4765	.4882	.5022	.4935	.9747	1.005
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	**.4697**	**.9431**	**1.051**	**.9159**	**.9496**	**1.017**	**1.009**	**480.6**	**366.5**
Stddev	.0038	.0077	.006	.0026	.0021	.003	.009	2.2	2.3
%RSD	.8100	.8121	.5436	.2814	.2218	.3169	.8381	.4583	.6287
#1	.4670	.9485	1.055	.9177	.9511	1.019	1.015	479.0	368.2
#2	.4724	.9377	1.047	.9141	.9481	1.014	1.003	482.1	364.9
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	**184.3**	**519.5**	**.1655**	**.0139**	**-.0010**	**.4892**	**.5378**	**-.0125**	**-.0011**
Stddev	1.3	4.1	.0340	.0043	.0007	.0040	.0025	.0002	.0007
%RSD	.6857	.7809	20.55	31.00	69.00	.8133	.4629	1.999	68.69
#1	185.2	522.4	.1415	.0170	-.0014	.4920	.5360	-.0123	-.0005
#2	183.4	516.7	.1896	.0109	-.0005	.4864	.5396	-.0127	-.0016
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/5/2014 14:54:02 Type: QC
Method: Accutest 2(v55) 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	**-.0046**	**.0027**	F **.6014**	**.5671**	**.5310**	**.5357**	**.5262**
Stddev	.0001	.0005	.0068	.0048	.0024	.0049	.0054
%RSD	1.183	18.94	1.128	.8503	.4435	.9057	1.032
#1	-.0046	.0023	.6062	.5637	.5294	.5391	.5300
#2	-.0045	.0031	.5966	.5705	.5327	.5323	.5223
Check ?	None	None	Chk Fail	Chk Pass	Chk Pass	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	**77727.**	**15278.**	**2018.5**	**3883.6**
Stddev	246.	9.	10.1	15.9
%RSD	.31675	.06073	.49854	.41003
#1	77901.	15272.	2011.4	3872.4
#2	77553.	15285.	2025.7	3894.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/5/2014 14:57:21 Type: QC
Method: Accutest 2(v55) Mode: 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	**1.921**	**1.963**	**1.903**	**1.971**	**2.017**	**1.900**	**1.998**	**2.021**	**.2390**
Stddev	.024	.028	.013	.016	.003	.013	.008	.016	.0010
%RSD	1.230	1.438	.6831	.8278	.1448	.6604	.4128	.7975	.4326
#1	1.938	1.983	1.912	1.982	2.015	1.891	1.993	2.033	.2383
#2	1.905	1.943	1.894	1.959	2.019	1.909	2.004	2.010	.2397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.973**	**2.007**	**1.951**	**1.964**	**1.998**	**1.920**	**1.943**	**38.47**	**38.44**
Stddev	.003	.016	.014	.010	.015	.010	.011	.46	.45
%RSD	.1265	.8078	.7034	.5178	.7363	.5026	.5773	1.191	1.171
#1	1.971	2.019	1.961	1.971	2.008	1.927	1.951	38.80	38.76
#2	1.975	1.996	1.941	1.957	1.987	1.913	1.935	38.15	38.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.65**	**39.64**	**39.27**	**39.26**	**1.962**	**1.961**	**1.915**	**4.847**	**2.000**
Stddev	.53	.50	.70	.45	.015	.015	.000	.030	.018
%RSD	1.382	1.272	1.779	1.155	.7644	.7503	.0188	.6267	.8921
#1	39.02	40.00	39.77	39.58	1.973	1.971	1.915	4.869	2.013
#2	38.27	39.29	38.78	38.94	1.952	1.950	1.915	4.826	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: 6/5/2014 14:57:21 Type: QC
Method: Accutest 2(v55) 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	**1.915**	**1.995**	**2.037**	**1.985**	**1.924**	**1.958**	**1.952**
Stddev	.028	.013	.023	.011	.014	.014	.023
%RSD	1.448	.6358	1.123	.5518	.7319	.7318	1.181
#1	1.935	1.986	2.053	1.977	1.934	1.968	1.968
#2	1.896	2.004	2.021	1.993	1.914	1.948	1.935
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	**84998.**	**15600.**	**2202.4**	**4356.0**
Stddev	6.	123.	5.1	14.9
%RSD	.00694	.78654	.23219	.34234
#1	84994.	15513.	2198.8	4345.5
#2	85003.	15687.	2206.0	4366.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/5/2014 15:00:11 Type: QC
Method: Accutest 2(v55) 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**	**-.0001**	**-.0001**	**-.0001**	**.0001**	**-.0008**	**.0001**	**.0005**
Stddev	.0001	.0001	.0003	.0005	.0005	.0003	.0001	.0001
%RSD	10.73	212.9	226.6	476.6	360.6	34.56	100.5	24.91
#1	.0010	.0000	.0001	.0002	-.0002	-.0006	.0001	.0004
#2	.0008	-.0001	-.0003	-.0004	.0004	-.0010	.0000	.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	**-.0004**	**-.0000**	**.0005**	**.0006**	**.0001**	**-.0001**	F **-.0039**	**-.0008**
Stddev	.0004	.0002	.0002	.0014	.0005	.0007	.0000	.0010
%RSD	97.15	551.7	30.28	210.4	388.9	925.4	.5815	122.8
#1	-.0001	.0001	.0006	-.0003	.0004	.0004	-.0039	-.0001
#2	-.0006	-.0002	.0004	.0016	-.0002	-.0005	-.0039	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0076**	**.0006**	**.0036**	**-.0133**	**-.0369**	**-.0022**	**.0018**	**.0010**
Stddev	.0078	.0004	.0023	.0033	.0036	.0032	.0000	.0001
%RSD	102.9	59.70	62.43	24.89	9.746	149.3	.3527	7.565
#1	.0021	.0009	.0052	-.0157	-.0343	-.0045	.0018	.0011
#2	.0131	.0003	.0020	-.0110	-.0394	.0001	.0018	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Inst QC: MA34171

Zoom In
Zoom Out

Sample Name: ccb Acquired: 6/5/2014 15:00:11 Type: QC
Method: Accutest 2(v55) 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**	**-.0006**	**.0004**	**.0004**	**-.0002**	F **.0324**	F **.0010**	F **.0238**
Stddev	.0005	.0006	.0005	.0001	.0005	.0024	.0002	.0006
%RSD	337.8	94.05	112.6	20.10	226.4	7.371	16.79	2.369
#1	-.0002	-.0002	.0001	.0004	-.0006	.0307	.0012	.0234
#2	.0005	-.0010	.0008	.0003	.0001	.0341	.0009	.0242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit						.0050	.0010	.0150
Low Limit						-.0050	-.0010	-.0150

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0012**	**.0026**
Stddev	.0006	.0008
%RSD	51.46	30.47
#1	.0007	.0020
#2	.0016	.0032
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	**89657.**	**15957.**	**2295.6**	**4826.8**
Stddev	237.	80.	2.5	5.1
%RSD	.26482	.49993	.11019	.10622
#1	89825.	16014.	2293.8	4823.2
#2	89489.	15901.	2297.4	4830.4

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	0.000070	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.001232	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	0.004884	0.000000	No
			Ni	-0.000584	0.000000	No
			Fe	0.000010	0.000000	No
			V	-0.000139	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
			W	-0.001300	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001801	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001860	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	0.000000	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	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	0.000100	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	☒	19	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No
			Fe	-0.000125	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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	0.000004	0.000000	No
			Ca	-0.000003	0.000000	No
Mn 257.610 {131}	☒	8	Fe	-0.000085	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000020	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	0.000006	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	0.001333	0.000000	No
Ag 328.068 {103}	☒	15	Mn	-0.000319	0.000000	No
			Mo	0.000006	0.000000	No
			Ti	-0.000811	0.000000	No
			Fe	-0.000683	0.000000	No
			V	-0.000600	0.000000	No
			Zn	-0.000015	0.000000	No
			Ca	-0.000004	0.000000	No
			Al	-0.000002	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	0.000004	0.000000	No
			Ba	-0.000250	0.000000	No
			Cr	0.000026	0.000000	No
			Si	-0.000009	0.000000	No
			Zr	0.003700	0.000000	No
			W	0.000000	0.000000	No
V 292.402 {115}	☒	6	Ti	0.000200	0.000000	No
			Mo	-0.012500	0.000000	No
			Fe	0.000011	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003150	0.000000	No
			Mn	-0.001123	0.000000	No
Zn 206.200 {464}	☒	16	Cr	-0.001370	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	0.000014	0.000000	No
			Al	0.000009	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	-0.000035	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000010	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000056	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	0.000010	0.000000	No
As 189.042 {478}	☒	24	Al	0.000010	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	-0.000005	0.000000	No
			Mo	0.003300	0.000000	No
			Cr	0.001530	0.000000	No
			V	0.000070	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	0.000085	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000002	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000020	0.000000	No
			Sr	0.000010	0.000000	No
			Pd	0.026000	0.000000	No
			Zr	-0.002220	0.000000	No
			Ti	0.000100	0.000000	No
			S	0.000010	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000440	0.000000	No
			Mo	-0.009500	0.000000	No
			Al	-0.000001	0.000000	No
			Fe	-0.000078	0.000000	No
			V	-0.031500	0.000000	No
			Mn	0.001660	0.000000	No
			Si	-0.000065	0.000000	No
			Ca	-0.000012	0.000000	No
			Ti	-0.001600	0.000000	No
			Mg	0.000001	0.000000	No
			Co	0.002336	0.000000	No
			Sr	-0.000238	0.000000	No
			B	0.000249	0.000000	No
			Ba	-0.000114	0.000000	No
			Zn	0.000090	0.000000	No
			As	0.000255	0.000000	No
			Ni	0.000143	0.000000	No
			Cu	0.000416	0.000000	No
			Zr	0.000067	0.000000	No
			Pd	0.000051	0.000000	No
			Pb	-0.000070	0.000000	No
			S	0.000010	0.000000	No
			W	0.000000	0.000000	No
			Na	-0.000001	0.000000	No
			K	-0.000250	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Sn	0.002000	0.000000	No
Pb 220.353 {453}	☒	23	Al	-0.000127	0.000000	No
			Fe	0.000050	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000003	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.000750	0.000000	No
			Cu	-0.000096	0.000000	No
			V	-0.000038	0.000000	No
			Co	-0.000447	0.000000	No
			Ti	-0.000200	0.000000	No
			Si	0.000187	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	-0.000200	0.000000	No
			Sr	-0.000043	0.000000	No
			W	-0.007700	0.000000	No
			Mg	0.000000	0.000000	No
			Cd	-0.000018	0.000000	No
			Cr	0.000042	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	-0.000064	0.000000	No
Se 196.090 {472}	☒	23	Al	-0.000028	0.000000	No
			Ca	0.000001	0.000000	No
			Mn	0.000380	0.000000	No
			Mo	-0.000319	0.000000	No
			Fe	-0.000225	0.000000	No
			Co	0.000055	0.000000	No
			V	0.000010	0.000000	No
			Sr	-0.000258	0.000000	No
			Cu	-0.000007	0.000000	No
			W	0.020000	0.000000	No
			Si	-0.000189	0.000000	No
			Tl	0.000180	0.000000	No
			Be	-0.000143	0.000000	No
			Zn	-0.000250	0.000000	No
			B	-0.000141	0.000000	No
			Pd	0.000300	0.000000	No
			Ti	0.000200	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000198	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
Sb 206.833 {463}	☒	14	Fe	0.000035	0.000000	No
			Al	0.000005	0.000000	No
			Ca	-0.000015	0.000000	No
			Ni	-0.000057	0.000000	No
			Cr	0.019880	0.000000	No
			V	-0.001800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	-0.000900	0.000000	No
			Ti	0.001140	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.044500	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	0.000000	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	-0.025000	0.000000	No
			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	0.000300	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	0.005000	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	0.031698	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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	-0.000087	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.087800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000076	0.000000	No
			S	-0.000022	0.000000	No
			Si	0.000160	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	0.003500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000100	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.000560	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.000600	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
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	-0.000200	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	0.012000	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

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				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}	☒	6	Mo	0.000250	0.000000	No
				Ti	0.000090	0.000000	No
				Fe	-0.000060	0.000000	No
				Si	0.000177	0.000000	No
				S	-0.000001	0.000000	No
				Pd	0.000000	0.000000	No
	S 182.034 {485}	☒	7	Ca	0.000115	0.000000	No
				Mo	0.001114	0.000000	No
				Al	-0.000005	0.000000	No
				Fe	0.000007	0.000000	No
				Mn	0.002300	0.000000	No
				W	-0.027000	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	-0.000038	0.000000	No
				Mg	0.000018	0.000000	No
				W	-0.002000	0.000000	No
				Cu	-0.000858	0.000000	No
				Fe	0.000065	0.000000	No
				Cr	0.001500	0.000000	No
				Ti	-0.027300	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}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.007230	1.605161	0.000000	1.000000
Be 313.042 {108}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000123	1.323384	0.000000	1.000000
Cd 228.802 {448}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000373	0.810928	0.000000	1.000000
Co 228.616 {448}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000072	0.474014	0.000000	1.000000
Cr 267.716 {126}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000035	0.084486	0.000000	1.000000
Cu 324.754 {104}2	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.004799	0.176615	0.000000	1.000000
Mn 257.610 {131}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000058	0.492945	0.000000	1.000000
Ni 231.604 {446}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000168	0.312428	0.000000	1.000000
Ag 328.068 {103}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000312	0.109470	0.000000	1.000000
V 292.402 {115}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000022	0.127603	0.000000	1.000000
Zn 206.200 {464}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000454	1.040014	0.000000	1.000000
As 189.042 {478}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000285	0.095379	0.000000	1.000000
Tl 190.856 {477}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000047	0.051603	0.000000	1.000000
Pb 220.353 {453}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000115	0.154352	0.000000	1.000000
Se 196.090 {472}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000046	0.071717	0.000000	1.000000
Sb 206.833 {463}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000122	0.150265	0.000000	1.000000
Al 396.152 { 85}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000091	0.032343	0.000000	1.000000
Ca 317.933 {106}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.003035	0.044873	0.000000	1.000000
Fe 259.940 {130}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000087	0.023528	0.000000	1.000000
Mg 279.079 {121}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000168	0.003433	0.000000	1.000000
K 766.490 { 44}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000728	0.021744	0.000000	1.000000
Na 589.592 { 57}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000258	0.095124	0.000000	1.000000
B 208.959 {462}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000028	0.209828	0.000000	1.000000
Mo 202.030 {467}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000089	0.779542	0.000000	1.000000
Pd 340.458 { 99}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000557	0.044402	0.000000	1.000000
Si 212.412 {459}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.001681	0.215382	0.000000	1.000000
Sn 189.989 {478}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000037	0.175122	0.000000	1.000000
Sr 407.771 { 83}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000001	2.749315	0.000000	1.000000
Ti 334.904 {101}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000212	0.109745	0.000000	1.000000
Y 360.073 { 94}*	6/6/2014 7:15:54	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/6/2014 7:15:54	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/6/2014 7:15:54	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/6/2014 7:15:54	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000327	0.316113	0.000000	1.000000
Zr 339.198 { 99}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.000216	0.297937	0.000000	1.000000
S 182.034 {485}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.000809	0.057432	0.000000	1.000000
Bi 223.061 {451}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	-0.001235	0.191589	0.000000	1.000000
Li 670.784 { 50}	6/6/2014 7:15:54	6/5/2014 10:46:04	Linear	1/Conc	0.002093	0.646190	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	0.000281	0.000935	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000120	0.000400	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000293	0.000975	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000373	0.001243	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000504	0.001681	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000537	0.001792	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000077	0.000256	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000489	0.001630	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000773	0.002578	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000427	0.001424	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000209	0.000696	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001858	0.006193	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001800	0.005999	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001450	0.004833	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003102	0.010339	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001867	0.006224	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.012641	0.042135	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004398	0.014660	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003964	0.013213	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.034655	0.115515	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.047050	0.156832	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.009795	0.032650	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000936	0.003119	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000311	0.001036	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001753	0.005843	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001300	0.004333	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000968	0.003225	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000122	0.000407	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000690	0.002302	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	0.001529	0.005096	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000263	0.000875	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003200	0.010666	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001899	0.006329	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001483	0.004942	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/6/2014 18:12:52 Type: Cal
Method: Accutest1(v125) 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	**.0028**	**.0000**	**.0009**	**-.0003**	**.0000**	**.0042**	**.0000**	**-.0010**	**.0000**
Stddev	.0002	.0001	.0001	.0001	.000	.0000	.0000	.0001	.000
%RSD	6.541	195.2	5.911	37.15	80.99	.0180	27.48	6.793	10.12
#1	.0030	.0000	.0008	-.0002	.0000	.0042	.0000	-.0010	.0000
#2	.0027	.0001	.0009	-.0004	.0000	.0042	.0001	-.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**	**.0005**	**.0003**	**-.0003**	**-.0003**	**.0008**	**.0014**	**.0009**	**.0078**
Stddev	.0000	.0000	.0001	.0000	.0002	.0000	.0001	.0000	.0003
%RSD	34.30	3.481	39.87	8.217	69.09	.4335	3.995	4.484	3.937
#1	-.0001	.0005	.0002	-.0003	-.0005	.0008	.0014	.0008	.0076
#2	-.0002	.0005	.0004	-.0003	-.0002	.0008	.0013	.0009	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0001**	**.0016**	**.0028**	**.0014**	**.0021**	**.0000**	**.0068**	**.0004**
Stddev	.0000	.0000	.0011	.0002	.0000	.0000	.000	.0001	.0001
%RSD	70.12	88.21	66.49	7.258	.4043	2.049	144.8	1.671	14.68
#1	.0001	.0001	.0009	.0026	.0014	.0021	-.0001	.0067	.0004
#2	.0000	.0000	.0024	.0029	.0014	.0021	.0000	.0069	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0005**	**-.0001**	**.0166**	**.0002**	**.0006**	**-.0015**	**.0001**
Stddev	.0002	.0000	.0005	.0001	.0001	.0003	.0000
%RSD	38.30	17.45	3.210	27.20	14.85	16.52	9.756
#1	.0004	-.0001	.0170	.0002	.0007	-.0014	.0001
#2	.0006	-.0001	.0162	.0003	.0006	-.0017	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86621.**	**14521.**	**1806.1**	**5973.3**
Stddev	260.	41.	.4	3.1
%RSD	.29962	.28409	.01988	.05273
#1	86804.	14550.	1806.4	5971.1
#2	86437.	14492.	1805.9	5975.6

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/6/2014 18:19:07 Type: Cal
Method: Accutest1(v125) 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	**13.23**	**11.64**	**4.917**	**1.537**	**.3426**	**1.305**	**.9401**	**1.226**	**.0833**
Stddev	.01	.03	.004	.004	.0010	.004	.0001	.003	.0000
%RSD	.1068	.2329	.0786	.2323	.2846	.2780	.0110	.2373	.0025
#1	13.24	11.66	4.920	1.539	.3419	1.308	.9402	1.228	.0833
#2	13.22	11.62	4.915	1.534	.3433	1.303	.9400	1.224	.0833

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	**.6483**	**3.838**	**.8870**	**.1761**	**.5613**	**.5124**	**1.165**	**4.034**	**5.106**
Stddev	.0002	.006	.0011	.0002	.0007	.0009	.001	.010	.026
%RSD	.0349	.1609	.1228	.1154	.1227	.1800	.0427	.2401	.5049
#1	.6481	3.843	.8862	.1759	.5618	.5118	1.165	4.041	5.124
#2	.6484	3.834	.8878	.1762	.5608	.5131	1.165	4.027	5.088

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	**3.249**	**.4319**	**2.503**	**8.678**	**1.209**	**4.592**	**.3185**	**3.375**	**.7393**
Stddev	.007	.0012	.002	.010	.002	.001	.0007	.001	.0010
%RSD	.2124	.2837	.0628	.1188	.1276	.0255	.2136	.0382	.1332
#1	3.254	.4328	2.504	8.685	1.208	4.591	.3190	3.374	.7400
#2	3.245	.4310	2.502	8.670	1.210	4.592	.3180	3.376	.7387

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	**18.21**	**.7360**	**2.036**	**1.795**	**.3575**	**1.656**	**3.473**
Stddev	.14	.0013	.023	.007	.0008	.001	.004
%RSD	.7745	.1764	1.146	.3955	.2324	.0566	.1027
#1	18.31	.7369	2.019	1.800	.3569	1.656	3.476
#2	18.11	.7351	2.052	1.790	.3581	1.657	3.471

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79046.**	**14143.**	**1684.0**	**5154.4**
Stddev	91.	36.	1.8	3.5
%RSD	.11473	.25358	.10567	.06856
#1	78982.	14118.	1685.2	5151.9
#2	79110.	14168.	1682.7	5156.9

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/6/2014 18:25:14 Type: QC
Method: Accutest1(v125) Mode: 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**	**2.011**	**2.020**	**2.024**	**2.007**	**1.986**	**2.107**	**2.056**	**.2545**
Stddev	.002	.004	.006	.001	.008	.008	.008	.001	.0010
%RSD	.0773	.1773	.3231	.0498	.3833	.3906	.4007	.0224	.3977
#1	1.989	2.008	2.016	2.025	2.002	1.992	2.101	2.056	.2538
#2	1.987	2.013	2.025	2.023	2.013	1.981	2.113	2.056	.2552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.046**	**2.016**	**2.126**	**2.043**	**2.014**	**1.997**	**38.49**	**39.06**
Stddev	.001	.006	.001	.017	.002	.002	.007	.03	.15
%RSD	.0695	.2916	.0482	.8001	.0933	.0723	.3539	.0664	.3938
#1	2.018	2.042	2.016	2.138	2.042	2.013	1.992	38.47	38.95
#2	2.020	2.051	2.015	2.114	2.044	2.015	2.002	38.51	39.17
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	**40.96**	**40.27**	**39.14**	**38.84**	**2.037**	**2.027**	**2.019**	**5.029**	**2.081**
Stddev	.10	.11	.04	.00	.002	.005	.006	.012	.001
%RSD	.2331	.2778	.1018	.0057	.1103	.2528	.2973	.2299	.0421
#1	40.89	40.19	39.11	38.84	2.036	2.023	2.024	5.020	2.081
#2	41.03	40.35	39.17	38.85	2.039	2.030	2.015	5.037	2.080
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: 6/6/2014 18:25:14 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.068**	**2.074**	**2.031**	**2.110**	**1.994**	**2.022**	**1.993**
Stddev	.001	.003	.018	.000	.009	.004	.004
%RSD	.0261	.1445	.8826	.0168	.4722	.2247	.2154
#1	2.068	2.072	2.018	2.110	2.000	2.019	1.996
#2	2.068	2.076	2.043	2.110	1.987	2.025	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	**78971.**	**14359.**	**1722.8**	**5310.2**
Stddev	126.	92.	5.0	2.7
%RSD	.15966	.64365	.29183	.05162
#1	79060.	14424.	1726.3	5312.1
#2	78882.	14294.	1719.2	5308.2

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/6/2014 18:31:18 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0005**	**.0004**	**.0010**	**.0010**	**.0009**	**.0003**	**-.0001**
Stddev	.0002	.0001	.0000	.0002	.0005	.0001	.0001	.0000	.0002
%RSD	17.74	8.849	5.238	47.60	49.18	14.34	10.07	4.031	164.8
#1	.0009	.0009	.0005	.0006	.0013	.0011	.0010	.0003	-.0003
#2	.0012	.0010	.0005	.0003	.0006	.0009	.0008	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0003**	**.0021**	**.0011**	**-.0006**	**-.0019**	**-.0006**	**.0125**	**.0193**
Stddev	.0005	.0002	.0003	.0020	.0006	.0004	.0003	.0026	.0023
%RSD	54.02	48.85	14.23	182.4	91.43	19.93	47.19	20.69	11.90
#1	.0013	.0004	.0023	-.0003	-.0010	-.0017	-.0004	.0106	.0177
#2	.0006	.0002	.0019	.0025	-.0002	-.0022	-.0007	.0143	.0209
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 **.0162**	**.0164**	**.0342**	**.0165**	**.0019**	F **.0023**	**.0011**	**.0015**	**.0009**
Stddev	.0005	.0049	.0150	.0068	.0004	.0005	.0008	.0001	.0004
%RSD	3.158	29.56	43.84	41.17	23.48	22.86	68.73	4.394	38.95
#1	.0166	.0199	.0448	.0117	.0022	.0027	.0006	.0014	.0007
#2	.0159	.0130	.0236	.0213	.0016	.0019	.0017	.0015	.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: ccbconf Acquired: 6/6/2014 18:31:18 Type: QC
Method: Accutest1(v125) 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 **.0013**	F **.0365**	F **.0021**	**.0002**	**.0005**	**.0006**
Stddev	.0000	.0000	.0038	.0004	.0003	.0005	.0001
%RSD	2.670	1.265	10.46	18.23	152.5	90.87	18.49
#1	.0009	.0013	.0392	.0024	.0004	.0002	.0007
#2	.0009	.0013	.0338	.0018	.0000	.0009	.0005
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010	.0123	.0010			
Low Limit		-.0010	-.0123	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85050.**	**14504.**	**1800.3**	**5957.9**
Stddev	2546.	153.	3.6	10.0
%RSD	2.9930	1.0533	.19793	.16716
#1	83250.	14613.	1802.8	5964.9
#2	86850.	14396.	1797.8	5950.8

Zoom In Zoom Out

Sample Name: icv Acquired: 6/6/2014 18:39:30 Type: QC
Method: Accutest1(v125) Mode: 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	**2.013**	**2.028**	**2.022**	**2.014**	**2.021**	**1.969**	**2.032**	**2.042**	**.2440**
Stddev	.003	.005	.003	.001	.002	.002	.001	.002	.0005
%RSD	.1335	.2484	.1241	.0440	.1112	.0898	.0686	.1099	.2242
#1	2.012	2.022	2.023	2.013	2.024	1.968	2.033	2.040	.2443
#2	2.010	2.031	2.019	2.014	2.020	1.969	2.031	2.042	.2443
#3	2.015	2.031	2.023	2.015	2.021	1.971	2.033	2.044	.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.013**	**2.054**	**2.005**	**2.088**	**2.042**	**2.007**	**2.009**	**40.02**	**40.74**
Stddev	.002	.003	.004	.003	.002	.004	.005	.02	.17
%RSD	.0909	.1382	.1888	.1317	.1057	.1924	.2371	.0592	.4280
#1	2.015	2.051	2.006	2.086	2.041	2.011	2.011	40.01	40.64
#2	2.012	2.054	2.002	2.091	2.040	2.006	2.003	40.05	40.95
#3	2.012	2.057	2.009	2.088	2.044	2.003	2.012	40.00	40.65
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	**40.17**	**39.28**	**39.78**	**40.16**	**2.034**	**2.037**	**1.961**	**5.055**	**2.063**
Stddev	.15	.21	.03	.02	.004	.002	.004	.012	.005
%RSD	.3618	.5344	.0827	.0484	.2131	.0713	.1992	.2292	.2391
#1	40.00	39.07	39.76	40.16	2.037	2.038	1.958	5.069	2.064
#2	40.25	39.49	39.82	40.14	2.029	2.038	1.961	5.049	2.057
#3	40.26	39.27	39.77	40.18	2.036	2.035	1.965	5.049	2.067
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: 6/6/2014 18:39:30 Type: QC
Method: Accutest1(v125) 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	**2.023**	**1.993**	**2.016**	**1.992**	**1.981**	**2.029**	**1.985**
Stddev	.005	.003	.018	.002	.004	.003	.004
%RSD	.2398	.1282	.9048	.1173	.1970	.1519	.2197
#1	2.021	1.993	1.998	1.991	1.985	2.033	1.985
#2	2.020	1.991	2.015	1.990	1.977	2.026	1.980
#3	2.029	1.996	2.034	1.994	1.979	2.029	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81949.**	**14343.**	**1721.7**	**5329.6**
Stddev	84.	71.	1.5	3.7
%RSD	.10299	.49586	.08825	.06927
#1	82020.	14413.	1721.0	5333.4
#2	81972.	14270.	1723.4	5329.3
#3	81856.	14346.	1720.7	5326.0

Zoom In Zoom Out

Sample Name: icb Acquired: 6/6/2014 18:50:46 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0005**	**.0002**	**.0004**	**.0006**	**.0008**	**.0004**	**.0001**	**.0001**
Stddev	.0001	.0000	.0001	.0004	.0002	.0002	.0000	.0002	.0001
%RSD	15.52	3.584	32.34	93.05	44.40	20.82	2.376	160.5	39.72
#1	.0007	.0005	.0002	.0001	.0007	.0007	.0004	.0002	.0001
#2	.0005	.0005	.0002	.0007	.0004	.0009	.0005	.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	**.0006**	**.0003**	**.0012**	**.0008**	**.0009**	**-.0018**	**.0002**	**.0047**	**.0115**
Stddev	.0002	.0000	.0005	.0003	.0003	.0005	.0006	.0036	.0007
%RSD	32.15	1.402	40.38	42.00	36.97	30.69	299.8	76.42	5.703
#1	.0007	.0003	.0008	.0010	.0012	-.0021	.0006	.0073	.0110
#2	.0005	.0003	.0015	.0005	.0007	-.0014	-.0002	.0022	.0119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0105**	**-.0052**	**.0234**	**.0092**	**.0020**	**.0016**	**.0010**	**.0007**	**.0012**
Stddev	.0031	.0064	.0117	.0013	.0001	.0002	.0005	.0004	.0004
%RSD	29.02	122.7	49.93	14.19	6.257	9.852	51.15	55.56	31.33
#1	.0084	-.0098	.0151	.0083	.0021	.0017	.0014	.0010	.0010
#2	.0127	-.0007	.0316	.0101	.0019	.0015	.0006	.0005	.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: icb Acquired: 6/6/2014 18:50:46 Type: QC
Method: Accutest1(v125) 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**	**.0007**	F **.0246**	F **.0014**	**.0000**	**.0005**	**.0000**
Stddev	.0000	.0002	.0019	.0001	.000	.0016	.0006
%RSD	3.912	27.80	7.822	5.604	876.1	343.7	1467.
#1	.0004	.0008	.0259	.0015	.0000	.0016	.0005
#2	.0004	.0006	.0232	.0014	.0000	-.0007	-.0004
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	**86040.**	**14433.**	**1801.0**	**5964.6**
Stddev	7.	139.	15.5	48.2
%RSD	.00759	.96083	.86030	.80817
#1	86035.	14335.	1812.0	5998.7
#2	86044.	14531.	1790.1	5930.5

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/6/2014 18:55:55 Type: QC
Method: Accutest1(v125) Mode: 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**	**2.023**	**2.021**	**2.018**	**2.017**	**1.970**	**2.053**	**2.045**	**.2466**
Stddev	.002	.002	.001	.003	.004	.003	.003	.002	.0009
%RSD	.0883	.0780	.0412	.1404	.1929	.1527	.1366	.0956	.3493
#1	2.008	2.023	2.021	2.015	2.021	1.974	2.056	2.044	.2479
#2	2.006	2.023	2.021	2.016	2.018	1.969	2.054	2.043	.2460
#3	2.009	2.023	2.021	2.020	2.012	1.971	2.049	2.046	.2461
#4	2.010	2.026	2.022	2.021	2.018	1.967	2.054	2.047	.2465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.051**	**2.010**	F **2.104**	**2.037**	**2.008**	**2.006**	**39.66**	**40.21**
Stddev	.003	.001	.004	.009	.002	.003	.001	.04	.11
%RSD	.1590	.0462	.1769	.4347	.1049	.1250	.0522	.0983	.2614
#1	2.017	2.052	2.008	2.093	2.035	2.006	2.006	39.69	40.25
#2	2.017	2.051	2.014	2.109	2.036	2.011	2.006	39.70	40.31
#3	2.010	2.051	2.006	2.100	2.039	2.005	2.005	39.62	40.06
#4	2.014	2.049	2.010	2.113	2.039	2.008	2.004	39.64	40.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**40.32**	**39.45**	**39.65**	**39.84**	**2.036**	**2.036**	**1.977**	**5.045**	**2.068**
Stddev	.06	.10	.06	.03	.001	.002	.004	.005	.003
%RSD	.1581	.2653	.1453	.0780	.0663	.1132	.2159	.1033	.1624
#1	40.28	39.31	39.65	39.86	2.038	2.034	1.983	5.044	2.063
#2	40.33	39.50	39.65	39.87	2.036	2.038	1.975	5.051	2.072
#3	40.28	39.44	39.59	39.80	2.034	2.033	1.978	5.039	2.067
#4	40.41	39.55	39.73	39.84	2.036	2.037	1.973	5.047	2.069
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: 6/6/2014 18:55:55 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.018**	**2.036**	**2.024**	**1.986**	**2.025**	**1.991**
Stddev	.005	.002	.018	.002	.008	.002	.004
%RSD	.2480	.1166	.8945	.1089	.3842	.0789	.2104
#1	2.030	2.019	2.012	2.026	1.979	2.026	1.988
#2	2.029	2.016	2.032	2.021	1.994	2.026	1.988
#3	2.034	2.015	2.043	2.024	1.981	2.022	1.991
#4	2.040	2.020	2.055	2.025	1.992	2.025	1.997
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	**80908.**	**14309.**	**1720.4**	**5318.4**
Stddev	93.	42.	1.6	1.4
%RSD	.11469	.29098	.09040	.02546
#1	80828.	14297.	1720.2	5320.0
#2	80859.	14281.	1718.3	5319.2
#3	81039.	14371.	1721.3	5317.1
#4	80907.	14288.	1721.9	5317.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 19:09:57 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0002**	**.0003**	**.0001**	**.0004**	**.0002**	**.0002**	**-.0001**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0000	.0001	.0000
%RSD	38.85	15.19	48.39	17.63	270.6	41.60	13.37	36.32	38.32
#1	.0004	.0003	.0002	.0003	.0002	.0005	.0003	.0001	-.0001
#2	.0002	.0003	.0001	.0003	-.0001	.0002	.0002	.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	**.0006**	**.0001**	**.0014**	**.0006**	**.0003**	**-.0018**	**-.0003**	**-.0038**	**.0055**
Stddev	.0000	.0001	.0002	.0000	.0007	.0022	.0008	.0013	.0000
%RSD	4.209	76.63	16.92	5.654	237.2	118.6	309.6	35.39	.9114
#1	.0006	.0001	.0015	.0006	-.0002	-.0034	-.0008	-.0047	.0054
#2	.0006	.0000	.0012	.0007	.0008	-.0003	.0003	-.0028	.0055
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	**.0053**	**.0034**	**-.0024**	**.0036**	**.0011**	**.0014**	**.0011**	**.0011**	**.0010**
Stddev	.0009	.0037	.0138	.0004	.0003	.0002	.0008	.0009	.0001
%RSD	16.40	108.3	579.5	11.78	30.59	14.02	72.79	85.15	7.987
#1	.0059	.0060	.0074	.0033	.0009	.0016	.0005	.0004	.0010
#2	.0047	.0008	-.0121	.0039	.0014	.0013	.0017	.0018	.0009
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: 6/6/2014 19:09:57 Type: QC
Method: Accutest1(v125) 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**	F **.0256**	F **.0013**	**.0017**	**.0000**	**-.0002**
Stddev	.0000	.0000	.0030	.0001	.0019	.001	.0000
%RSD	4.334	5.558	11.87	6.379	108.3	8699.	12.90
#1	.0002	.0007	.0277	.0012	.0004	-.0005	-.0002
#2	.0002	.0007	.0234	.0013	.0030	.0005	-.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	**85962.**	**14401.**	**1794.0**	**5938.6**
Stddev	11.	13.	4.0	8.9
%RSD	.01279	.08858	.22245	.14964
#1	85969.	14392.	1796.8	5944.9
#2	85954.	14410.	1791.2	5932.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/6/2014 19:18:12 Type: QC
Method: Accutest1(v125) Mode: 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	**.2033**	**.0023**	F **.0040**	**.0507**	**.0107**	**.0101**	**.0161**	**.0104**	**.0053**
Stddev	.0020	.0000	.0003	.0003	.0003	.0000	.0000	.0001	.0000
%RSD	.9757	1.326	6.723	.5055	2.558	.2940	.1945	1.106	.1911
#1	.2019	.0023	.0042	.0505	.0109	.0100	.0161	.0104	.0053
#2	.2047	.0023	.0038	.0509	.0105	.0101	.0160	.0103	.0053
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0030						
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	**.0519**	**.0232**	**.0092**	**.0119**	**.0025**	**.0091**	**.0058**	**.2013**	**5.089**
Stddev	.0001	.0000	.0008	.0009	.0010	.0014	.0003	.0089	.059
%RSD	.1592	.1026	8.577	7.546	37.91	15.57	5.468	4.435	1.149
#1	.0518	.0232	.0086	.0125	.0019	.0081	.0056	.1950	5.048
#2	.0519	.0232	.0097	.0112	.0032	.0101	.0060	.2077	5.130
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**	**4.985**	**5.144**	**4.980**	**.1061**	**.0216**	**.0543**	**.2182**	**.0122**
Stddev	.0023	.068	.067	.065	.0007	.0000	.0010	.0007	.0000
%RSD	2.157	1.359	1.303	1.307	.6227	.0638	1.826	.3227	.0514
#1	.1071	4.937	5.097	4.933	.1057	.0216	.0550	.2177	.0122
#2	.1104	5.033	5.192	5.026	.1066	.0216	.0536	.2187	.0122
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: 6/6/2014 19:18:12 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0107**	**.0576**	**.0116**	**.0489**	**.0222**	**.0210**
Stddev	.0001	.0003	.0014	.0001	.0003	.0004	.0011
%RSD	1.068	2.498	2.446	1.003	.5961	1.578	5.143
#1	.0104	.0106	.0586	.0115	.0491	.0219	.0202
#2	.0106	.0109	.0566	.0117	.0487	.0224	.0218
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	**85154.**	**14463.**	**1771.3**	**5795.2**
Stddev	184.	98.	2.9	7.3
%RSD	.21596	.67847	.16482	.12521
#1	85284.	14533.	1773.4	5800.3
#2	85024.	14394.	1769.2	5790.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 19:24:27 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0011**	**.0012**	**.0033**	**.0021**	**.0024**	**.0032**	**.0038**	F **.0013**
Stddev	.0001	.0000	.0002	.0000	.0000	.0003	.0000	.0000	.0000
%RSD	2.506	1.350	13.65	.8046	.0748	12.37	.4933	.7380	2.295
#1	.0042	.0011	.0014	.0033	.0021	.0026	.0032	.0037	.0013
#2	.0043	.0011	.0011	.0033	.0021	.0022	.0033	.0038	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.0010
Range									30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	F **.0130**	**.0035**	F **.0031**	F **.0034**	F **.0065**	F **.0020**	**.1017**	**1.072**
Stddev	.0000	.0001	.0010	.0006	.0006	.0007	.0002	.0033	.003
%RSD	2.163	.5841	27.75	17.76	16.39	11.23	7.954	3.228	.2636
#1	.0021	.0131	.0028	.0027	.0038	.0060	.0021	.1041	1.070
#2	.0021	.0130	.0042	.0035	.0030	.0070	.0019	.0994	1.074
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value		.0100		.0020	.0025	.0050	.0030		
Range		30.00%		30.00%	30.00%	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	**.0029**	**.0912**	**2.109**	**1.052**	**.0104**	**-.0003**	**.0009**	**.0011**	**.0011**
Stddev	.0002	.0204	.010	.001	.0003	.0002	.0009	.0006	.0004
%RSD	7.534	22.33	.4945	.0763	2.624	61.67	97.09	54.63	35.50
#1	.0031	.0768	2.117	1.052	.0105	-.0004	.0003	.0007	.0013
#2	.0028	.1056	2.102	1.053	.0102	-.0002	.0015	.0015	.0008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 19:24:27 Type: QC
Method: Accutest1(v125) 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**	**-.0034**	**-.0002**	**.0005**	**-.0004**	**-.0005**
Stddev	.0000	.0003	.0008	.0000	.0000	.0003	.0007
%RSD	3.237	130.7	23.18	26.83	6.993	71.89	137.7
#1	-.0001	-.0005	-.0039	-.0001	.0005	-.0007	-.0011
#2	-.0001	.0000	-.0028	-.0002	.0005	-.0002	.0000
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84928.**	**14260.**	**1770.7**	**5848.6**
Stddev	60.	.	.9	4.8
%RSD	.07120	.00344	.05028	.08129
#1	84971.	14260.	1771.4	5852.0
#2	84885.	14259.	1770.1	5845.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/6/2014 19:30:45 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0001**	**-.0002**	**.0007**	**-.0001**	**.0000**	**.0000**
Stddev	.0000	.000	.0002	.0001	.0001	.0002	.0000	.0002	.0002
%RSD	9.534	30.69	201.2	122.7	64.87	25.50	16.28	17840.	3596.
#1	.0000	.0000	.0003	.0000	-.0003	.0009	-.0001	.0001	-.0001
#2	.0000	.0000	-.0001	.0002	-.0001	.0006	-.0001	-.0001	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0007**	**.0203**	**-.0009**	**.0220**	**.0229**	**.0191**	**.4777**	**.0001**
Stddev	.0002	.0002	.0004	.0001	.0003	.0016	.0001	.0024	.0010
%RSD	95.88	31.12	2.153	14.60	1.440	7.049	.7769	.5026	1284.
#1	.0001	.0005	.0200	-.0010	.0223	.0240	.0190	.4760	-.0006
#2	.0003	.0008	.0206	-.0008	.0218	.0217	.0192	.4794	.0008
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	**.5374**	**-.0082**	**-.0058**	**.0027**	**-.0005**	**-.0003**	**.0003**	**.0025**	**.0006**
Stddev	.0009	.0020	.0083	.0037	.0005	.0002	.0000	.0001	.0004
%RSD	.1608	23.95	143.4	137.5	102.5	68.49	4.347	3.413	76.49
#1	.5368	-.0068	.0001	.0001	-.0001	-.0005	.0003	.0026	.0003
#2	.5380	-.0096	-.0117	.0053	-.0008	-.0002	.0003	.0024	.0009
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/6/2014 19:30:45 Type: QC
Method: Accutest1(v125) 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**	**-.0062**	**-.0003**	**.0009**	**.0004**	**-.0004**
Stddev	.0000	.0000	.0001	.0001	.0012	.0003	.0005
%RSD	23.31	14.95	2.316	21.08	126.6	72.61	122.8
#1	-.0002	.0002	-.0061	-.0003	.0001	.0002	-.0001
#2	-.0001	.0002	-.0063	-.0002	.0017	.0006	-.0008
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	**84354.**	**14580.**	**1794.2**	**5919.2**
Stddev	73.	61.	6.4	10.5
%RSD	.08665	.42174	.35460	.17725
#1	84302.	14537.	1798.7	5926.6
#2	84405.	14624.	1789.7	5911.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 19:37:04 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0012**	**.0032**	**.0021**	**.0016**	**.0031**	**.0042**	**.0010**
Stddev	.0000	.0000	.0002	.0000	.0004	.0003	.0000	.0000	.0001
%RSD	.6899	1.956	13.63	1.141	21.43	17.50	.0332	.8641	7.082
#1	.0041	.0010	.0013	.0032	.0018	.0017	.0031	.0042	.0009
#2	.0041	.0010	.0011	.0032	.0024	.0014	.0031	.0041	.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	**.0019**	**.0130**	**.0034**	F **.0027**	**.0031**	**.0041**	**.0022**	**.0998**	**1.073**
Stddev	.0000	.0001	.0002	.0015	.0006	.0004	.0006	.0044	.014
%RSD	.1610	.6203	7.141	55.51	18.59	9.880	25.85	4.450	1.262
#1	.0019	.0130	.0036	.0016	.0035	.0039	.0025	.0966	1.082
#2	.0019	.0129	.0033	.0038	.0027	.0044	.0018	.1029	1.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.0020					
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	**.0019**	**.0952**	**2.094**	**1.047**	**.0102**	**-.0006**	**-.0003**	**.0011**	**.0002**
Stddev	.0000	.0187	.003	.002	.0007	.0000	.0001	.0001	.0007
%RSD	2.240	19.67	.1320	.2304	6.784	2.704	38.13	9.609	308.5
#1	.0019	.0820	2.092	1.049	.0107	-.0006	-.0004	.0010	.0007
#2	.0019	.1085	2.096	1.046	.0097	-.0006	-.0002	.0012	-.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/6/2014 19:37:04 Type: QC
Method: Accutest1(v125) 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**	**-.0123**	**-.0005**	**.0007**	**.0002**	**-.0006**
Stddev	.0000	.0002	.0007	.0000	.0009	.0000	.0000
%RSD	4.320	77.14	5.944	1.258	134.1	23.40	3.482
#1	-.0001	-.0005	-.0118	-.0005	.0000	.0002	-.0006
#2	-.0001	-.0001	-.0128	-.0005	.0013	.0002	-.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	**87615.**	**14544.**	**1801.2**	**5963.6**
Stddev	358.	30.	.7	2.9
%RSD	.40845	.20473	.03914	.04796
#1	87362.	14523.	1801.7	5965.6
#2	87868.	14565.	1800.7	5961.6

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/6/2014 19:43:22 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0000**	**.0018**	**.0031**	**-.0009**	**.0028**	**-.0002**	**-.0017**	**.0045**
Stddev	.0000	.000	.0003	.0003	.0003	.0001	.0000	.0002	.0001
%RSD	2.080	169.8	15.44	10.19	30.89	1.899	14.32	9.945	2.969
#1	-.0008	-.0001	.0020	.0029	-.0007	.0027	-.0002	-.0018	.0046
#2	-.0008	.0000	.0016	.0033	-.0011	.0028	-.0002	-.0016	.0044
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**	**-.0017**	**.0007**	**.0020**	**-.0019**	**-.0012**	**-.0026**	**509.5**	**383.2**
Stddev	.0000	.0005	.0000	.0015	.0050	.0031	.0013	5.3	.0
%RSD	1.813	28.28	1.180	74.44	258.6	245.1	50.93	1.044	.0097
#1	-.0017	-.0021	.0007	.0031	-.0055	-.0034	-.0035	505.7	383.2
#2	-.0017	-.0014	.0007	.0010	.0016	.0009	-.0016	513.2	383.2
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	**192.6**	**531.9**	**-.0317**	**.0020**	**-.0121**	**-.0028**	**-.0306**	**-.0056**	**.0097**
Stddev	.5	1.7	.0046	.0011	.0020	.0001	.0004	.0013	.0009
%RSD	.2369	.3170	14.65	55.23	16.20	4.924	1.396	22.78	9.081
#1	192.3	530.7	-.0350	.0012	-.0135	-.0029	-.0309	-.0047	.0103
#2	193.0	533.1	-.0284	.0027	-.0107	-.0027	-.0303	-.0065	.0091
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: 6/6/2014 19:43:22 Type: QC
Method: Accutest1(v125) 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**	**.0015**	**.0067**	F **.0123**	**-.0478**	**.0003**	**.0046**
Stddev	.0001	.0000	.0015	.0002	.0014	.0009	.0001
%RSD	5.762	.3061	21.93	1.511	2.964	350.4	1.566
#1	-.0010	.0015	.0077	.0121	-.0488	-.0004	.0046
#2	-.0009	.0015	.0056	.0124	-.0468	.0009	.0045
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	**73752.**	**13713.**	**1565.0**	**4674.5**
Stddev	113.	67.	4.7	6.8
%RSD	.15349	.48899	.30348	.14578
#1	73672.	13760.	1568.4	4679.3
#2	73832.	13666.	1561.6	4669.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/6/2014 19:49:46 Type: QC
Method: Accutest1(v125) Mode: 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	**.4886**	**.4859**	**1.025**	**.4782**	**.4735**	**.5250**	**.5022**	**.9579**	**1.112**
Stddev	.0110	.0112	.002	.0003	.0012	.0007	.0010	.0001	.002
%RSD	2.242	2.309	.1617	.0633	.2432	.1390	.2019	.0144	.1989
#1	.4963	.4938	1.023	.4779	.4743	.5256	.5029	.9580	1.113
#2	.4808	.4780	1.026	.4784	.4726	.5245	.5015	.9578	1.110
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	**.4670**	**.9510**	**1.073**	**.9429**	**.9449**	**1.085**	**1.019**	**488.3**	**375.7**
Stddev	.0002	.0008	.002	.0009	.0005	.003	.001	3.3	3.0
%RSD	.0531	.0865	.1776	.0920	.0554	.2399	.0667	.6815	.7858
#1	.4672	.9516	1.074	.9423	.9445	1.087	1.018	490.7	373.6
#2	.4668	.9505	1.072	.9435	.9452	1.083	1.019	486.0	377.8
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	**186.9**	**530.9**	**-.0300**	**-.0057**	**-.0140**	**.4936**	**.5142**	**-.0038**	**.0084**
Stddev	4.6	13.2	.0089	.0040	.0010	.0000	.0023	.0012	.0008
%RSD	2.436	2.493	29.56	70.65	6.957	.0058	.4435	31.56	8.937
#1	190.1	540.3	-.0237	-.0086	-.0134	.4936	.5158	-.0047	.0089
#2	183.6	521.6	-.0362	-.0029	-.0147	.4936	.5126	-.0030	.0079
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/6/2014 19:49:46 Type: QC
Method: Accutest1(v125) 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**	**.0054**	**.5737**	**.5704**	**.4536**	**.5441**	**.5311**
Stddev	.0003	.0000	.0015	.0007	.0021	.0019	.0104
%RSD	34.98	.2436	.2614	.1260	.4614	.3512	1.952
#1	-.0007	.0054	.5727	.5699	.4551	.5428	.5384
#2	-.0012	.0054	.5748	.5709	.4521	.5455	.5238
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	**73733.**	**14033.**	**1577.7**	**4710.8**
Stddev	103.	297.	1.6	6.5
%RSD	.13907	2.1189	.10235	.13748
#1	73661.	13823.	1578.8	4715.4
#2	73806.	14243.	1576.5	4706.2

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/6/2014 19:56:02 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0005**	**.0012**	**-.0011**	**-.0007**	**.0018**	**-.0005**	**.0106**
Stddev	.0001	.0000	.0002	.0002	.0001	.0003	.0001	.0006	.0002
%RSD	47.39	28.69	33.70	16.66	5.736	37.94	4.675	107.6	2.093
#1	.0001	.0001	.0007	.0013	-.0011	-.0005	.0017	-.0009	.0104
#2	.0001	.0002	.0004	.0010	-.0012	-.0009	.0019	-.0001	.0108

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0006**	**.0037**	**.0018**	**.0014**	**.0018**	**.0117**	**.0029**	**.1700**	**.1709**
Stddev	.0000	.0002	.0005	.0001	.0006	.0007	.0009	.0038	.0040
%RSD	1.765	4.419	28.01	9.949	35.84	5.838	31.58	2.263	2.341
#1	-.0006	.0036	.0014	.0013	.0023	.0121	.0023	.1673	.1681
#2	-.0006	.0038	.0022	.0015	.0013	.0112	.0036	.1728	.1737

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**213.1**	**.2300**	**-.0532**	**.0043**	**-.0027**	**-.0115**	**-.0070**	**.0158**	**.0019**
Stddev	.2	.0231	.0048	.0004	.0002	.0001	.0005	.0013	.0003
%RSD	.1057	10.04	8.967	9.722	8.477	.7372	6.474	8.031	17.43
#1	212.9	.2136	-.0566	.0040	-.0026	-.0116	-.0073	.0149	.0021
#2	213.2	.2463	-.0499	.0046	-.0029	-.0115	-.0066	.0167	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0038**	**-.0001**	**.0047**	**.0036**	**-.0009**
Stddev	.0000	.0000	.0002	.0000	.0004	.0002	.0002
%RSD	24.64	15.82	6.277	48.68	7.885	4.902	21.85
#1	-.0001	-.0003	-.0036	-.0001	.0050	.0037	-.0011
#2	-.0001	-.0002	-.0040	.0000	.0045	.0034	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82819.**	**14299.**	**1742.1**	**5844.3**
Stddev	64.	73.	5.0	18.4
%RSD	.07750	.51143	.28740	.31480
#1	82773.	14351.	1745.7	5857.3
#2	82864.	14248.	1738.6	5831.3

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/6/2014 20:02:21 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0010**	**10.60**	**.0010**	**-.0011**	**.0003**	**.0003**
Stddev	.0001	.0000	.0000	.0001	.06	.0003	.0000	.0002	.0001
%RSD	14.92	42.14	19.65	5.870	.5506	27.22	2.621	58.72	18.97
#1	.0004	.0001	.0002	.0009	10.64	.0012	-.0011	.0004	.0003
#2	.0005	.0001	.0002	.0010	10.56	.0008	-.0011	.0002	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0017**	**.0024**	**.0000**	**-.0010**	**.0015**	**.0023**	**.0134**	**.0327**	**.0470**
Stddev	.0002	.0003	.0001	.0004	.0005	.0019	.0007	.0047	.0002
%RSD	12.82	10.59	349.4	36.89	36.40	83.07	5.353	14.31	.3368
#1	-.0015	.0022	.0001	-.0012	.0011	.0009	.0129	.0294	.0471
#2	-.0018	.0026	-.0001	-.0007	.0019	.0036	.0139	.0360	.0469

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0264**	**.0232**	**-.0143**	**.0042**	**-.0010**	**.0000**	**-.0001**	**.0126**	**-.0009**
Stddev	.0018	.0026	.0068	.0023	.0002	.000	.0007	.0003	.0002
%RSD	6.636	11.40	47.24	53.94	23.64	332.8	799.7	2.069	17.25
#1	.0276	.0213	-.0095	.0026	-.0012	.0001	-.0006	.0124	-.0010
#2	.0252	.0251	-.0191	.0058	-.0009	-.0002	.0004	.0128	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0178**	**-.0026**	**.0009**	**.0123**	**-.0012**
Stddev	.0000	.0001	.0000	.0000	.0002	.0008	.0002
%RSD	30.89	478.8	.1246	1.066	20.11	6.685	13.91
#1	-.0001	.0001	-.0179	-.0026	.0010	.0129	-.0011
#2	-.0001	.0000	-.0178	-.0026	.0008	.0117	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84405.**	**14322.**	**1763.2**	**5931.3**
Stddev	262.	33.	7.2	20.8
%RSD	.31012	.23388	.41004	.35083
#1	84220.	14346.	1758.1	5916.6
#2	84590.	14299.	1768.3	5946.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 20:08:39 Type: QC
Method: Accutest1(v125) 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	**1.992**	**2.008**	**2.000**	**1.993**	**1.997**	**1.956**	**2.026**	**2.023**	**.2453**
Stddev	.002	.002	.001	.002	.001	.001	.006	.002	.0001
%RSD	.0962	.1136	.0332	.1115	.0358	.0537	.2768	.0797	.0300
#1	1.991	2.006	2.000	1.994	1.998	1.956	2.030	2.024	.2454
#2	1.994	2.010	2.001	1.991	1.997	1.955	2.022	2.021	.2452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.031**	**1.987**	**2.080**	**2.021**	**2.006**	**1.990**	**39.41**	**39.92**
Stddev	.004	.001	.003	.007	.001	.004	.005	.04	.00
%RSD	.1888	.0676	.1415	.3524	.0240	.1830	.2788	.0963	.0103
#1	1.998	2.032	1.985	2.085	2.021	2.008	1.986	39.39	39.92
#2	1.993	2.030	1.989	2.075	2.022	2.003	1.994	39.44	39.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.25**	**39.39**	**39.39**	**39.53**	**2.014**	**2.014**	**1.960**	**5.018**	**2.046**
Stddev	.03	.16	.09	.09	.003	.003	.001	.009	.005
%RSD	.0836	.3989	.2355	.2371	.1689	.1593	.0638	.1738	.2704
#1	40.23	39.50	39.32	39.47	2.012	2.012	1.960	5.012	2.049
#2	40.27	39.27	39.45	39.60	2.017	2.016	1.959	5.024	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 20:08:39 Type: QC
Method: Accutest1(v125) 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	**2.023**	**1.993**	**1.900**	**1.984**	**1.970**	**2.011**	**1.967**
Stddev	.001	.005	.022	.007	.001	.005	.004
%RSD	.0345	.2338	1.182	.3417	.0516	.2347	.2132
#1	2.024	1.996	1.884	1.989	1.969	2.008	1.964
#2	2.023	1.989	1.916	1.979	1.971	2.014	1.970
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	**81686.**	**14350.**	**1730.5**	**5354.6**
Stddev	208.	7.	3.9	7.2
%RSD	.25477	.05104	.22394	.13467
#1	81539.	14355.	1733.2	5359.7
#2	81833.	14345.	1727.7	5349.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 20:14:43 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0002**	**.0004**	**.0005**	**.0004**	**.0004**	**.0001**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	1.442	4.667	40.71	25.68	4.430	19.60	11.06	57.23	81.40
#1	.0003	.0003	.0003	.0003	.0005	.0005	.0004	.0001	.0000
#2	.0003	.0003	.0002	.0004	.0005	.0004	.0005	.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0002**	**.0007**	**.0017**	**.0000**	**-.0003**	**.0005**	**-.0001**	**.0066**
Stddev	.0001	.0001	.0004	.0007	.000	.0005	.0001	.0013	.0016
%RSD	19.07	60.75	59.69	43.52	9979.	174.0	19.57	926.3	24.46
#1	.0005	.0003	.0010	.0012	-.0001	-.0006	.0005	-.0011	.0055
#2	.0006	.0001	.0004	.0023	.0001	.0001	.0004	.0008	.0078
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	**.0060**	**.0029**	**.0086**	**.0087**	**.0005**	**.0014**	**.0007**	**.0028**	**.0003**
Stddev	.0001	.0055	.0127	.0036	.0006	.0005	.0002	.0005	.0012
%RSD	2.156	187.0	147.0	40.96	119.2	34.31	29.43	16.76	374.8
#1	.0059	.0068	.0176	.0062	.0010	.0017	.0005	.0025	.0011
#2	.0061	-.0009	-.0003	.0112	.0001	.0010	.0008	.0031	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 20:14:43 Type: QC
Method: Accutest1(v125) 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**	**.0093**	**.0008**	**-.0002**	**.0006**	**-.0001**
Stddev	.0001	.0001	.0023	.0000	.0005	.0007	.0000
%RSD	87.19	33.54	24.54	4.985	276.2	128.6	.3190
#1	.0000	.0005	.0109	.0009	.0002	.0011	-.0001
#2	.0001	.0003	.0077	.0008	-.0005	.0001	-.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	**85715.**	**14331.**	**1784.8**	**5908.6**
Stddev	29.	43.	.6	9.2
%RSD	.03383	.29694	.03103	.15546
#1	85695.	14301.	1785.2	5915.1
#2	85736.	14361.	1784.5	5902.1

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/6/2014 20:21:00 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0002**	**.0003**	**.0000**	**-.0003**	**.0000**
Stddev	.0001	.0000	.0001	.0001	.0001	.0003	.0000	.0003	.000
%RSD	101.2	37.31	84.90	16.57	43.75	107.8	282.0	94.70	1694.
#1	.0001	.0000	.0002	.0003	.0001	.0005	.0000	-.0001	.0001
#2	.0000	.0000	.0001	.0004	.0002	.0001	.0000	-.0005	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0003**	**.0007**	**-.0002**	**.0006**	**-.0003**	**-.0008**	**-.0043**	**.0023**
Stddev	.000	.0000	.0010	.0015	.0004	.0016	.0001	.0010	.0019
%RSD	168.9	4.074	150.5	670.2	60.20	604.7	8.365	24.35	83.67
#1	-.0001	-.0003	.0014	-.0013	.0004	-.0014	-.0008	-.0050	.0036
#2	.0000	-.0003	.0000	.0009	.0009	-.0007	-.0036	.0009	

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0026**	**-.0080**	**-.0043**	**-.0028**	**-.0004**	**.0000**	**.0002**	**.0125**	**.0003**
Stddev	.0014	.0141	.0027	.0001	.0000	.000	.0001	.0005	.0001
%RSD	55.22	177.4	64.55	1.980	8.821	149.0	58.92	3.694	27.57
#1	.0036	-.0180	-.0062	-.0028	-.0003	-.0001	.0001	.0122	.0002
#2	.0016	.0020	-.0023	-.0027	-.0004	.0000	.0003	.0128	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0035**	**.0001**	**-.0005**	**.0001**	**-.0005**
Stddev	.0000	.0000	.0016	.0001	.0002	.0007	.0003
%RSD	12.14	7.230	47.20	92.54	52.54	1018.	69.05
#1	-.0001	-.0001	-.0023	.0002	-.0003	.0005	-.0002
#2	-.0001	-.0001	-.0046	.0000	-.0006	-.0004	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85950.**	**14411.**	**1783.5**	**5908.5**
Stddev	142.	61.	2.9	7.7
%RSD	.16535	.42475	.16184	.13104
#1	86051.	14454.	1785.6	5913.9
#2	85850.	14367.	1781.5	5903.0

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/6/2014 20:27:16 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0000**	**.0001**	**.0002**	**.0002**	**.0000**	**-.0001**	**.0000**
Stddev	.0000	.0001	.000	.0001	.0000	.0000	.000	.0000	.000
%RSD	38.94	377.0	50.89	160.6	21.80	14.74	401.0	37.26	2522.
#1	.0001	.0001	.0000	.0001	.0002	.0002	.0000	-.0001	-.0001
#2	.0000	.0000	-.0001	.0000	.0001	.0002	.0000	-.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0001**	**-.0002**	**-.0017**	**.0008**	**.0017**	**-.0008**	**-.0094**	**.0012**
Stddev	.0001	.0001	.0003	.0001	.0002	.0005	.0001	.0012	.0003
%RSD	93.32	162.5	199.6	4.978	31.65	31.81	12.32	13.13	27.29
#1	.0000	-.0001	-.0004	-.0016	.0006	.0013	-.0007	-.0086	.0010
#2	-.0001	.0000	.0001	-.0017	.0009	.0021	-.0008	-.0103	.0015

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**-.0054**	**.0099**	**-.0008**	**-.0005**	**-.0003**	**.0009**	**.0100**	**.0006**
Stddev	.0010	.0100	.0003	.0021	.0003	.0001	.0010	.0000	.0005
%RSD	753.9	184.5	2.570	261.6	45.87	32.96	106.1	.3536	84.92
#1	.0009	.0017	.0100	.0007	-.0007	-.0003	.0017	.0100	.0002
#2	-.0006	-.0125	.0097	-.0023	-.0004	-.0004	.0002	.0100	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0003**	**-.0093**	**-.0001**	**-.0004**	**.0005**	**-.0003**
Stddev	.0000	.0001	.0005	.0000	.0004	.0001	.0003
%RSD	8.094	24.57	5.867	.2586	118.8	12.18	102.1
#1	-.0002	-.0003	-.0097	-.0001	-.0001	.0006	-.0001
#2	-.0002	-.0002	-.0089	-.0001	-.0007	.0005	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85233.**	**14354.**	**1786.4**	**5914.6**
Stddev	24.	15.	2.1	6.0
%RSD	.02808	.10463	.11854	.10177
#1	85250.	14365.	1787.8	5918.8
#2	85216.	14344.	1784.9	5910.3

Zoom In Zoom Out

Sample Name: idl-1conf Acquired: 6/6/2014 20:33:32 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0000**	**-.0001**	**.0000**	**.0002**	**.0000**	**.0001**	**.0002**
Stddev	.000	.000	.0001	.0001	.000	.0000	.000	.0000	.0001
%RSD	319.5	23.47	433.5	171.1	50250.	19.55	150.5	41.59	28.78
#1	.0000	.0000	.0001	-.0002	.0001	.0002	-.0001	.0001	.0003
#2	.0000	.0000	.0000	.0000	-.0001	.0003	.0000	.0001	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0004**	**-.0009**	**-.0005**	**.0007**	**.0021**	**-.0005**	**-.0031**	**.0018**
Stddev	.0001	.0001	.0005	.0004	.0018	.0003	.0006	.0081	.0021
%RSD	646.6	14.82	52.49	88.46	265.0	12.23	120.8	263.4	114.8
#1	-.0001	-.0003	-.0006	-.0002	.0020	.0019	-.0001	-.0088	.0033
#2	.0001	-.0004	-.0012	-.0008	-.0006	.0023	-.0009	.0027	.0003

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0026**	**-.0100**	**-.0091**	**-.0011**	**-.0007**	**-.0006**	**.0006**	**.0042**	**.0006**
Stddev	.0022	.0020	.0290	.0021	.0001	.0002	.0002	.0000	.0001
%RSD	84.31	20.28	319.3	188.7	12.27	30.94	26.66	1.115	9.396
#1	.0042	-.0115	-.0296	.0004	-.0007	-.0004	.0005	.0043	.0005
#2	.0011	-.0086	.0114	-.0026	-.0006	-.0007	.0008	.0042	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0000**	**-.0130**	**-.0003**	**.0008**	**.0000**	**-.0010**
Stddev	.0000	.000	.0002	.0001	.0008	.000	.0003
%RSD	16.41	2187.	1.871	37.95	91.93	2587.	29.89
#1	-.0002	-.0001	-.0128	-.0003	.0003	.0002	-.0013
#2	-.0001	.0001	-.0131	-.0002	.0014	-.0002	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85721.**	**14491.**	**1796.2**	**5931.4**
Stddev	56.	20.	3.9	3.9
%RSD	.06576	.13865	.21598	.06628
#1	85681.	14505.	1799.0	5934.2
#2	85761.	14477.	1793.5	5928.6

Zoom In Zoom Out

Sample Name: idl-2conf Acquired: 6/6/2014 20:39:49 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0000**	**.0002**	**-.0001**	**-.0001**	**-.0001**	**.0000**
Stddev	.0001	.0000	.0001	.0001	.0004	.0001	.0000	.0002	.0002
%RSD	94.63	75.15	428.6	646.8	193.3	113.5	41.31	293.3	1038.
#1	.0001	-.0001	.0000	.0001	-.0001	-.0002	-.0001	-.0002	-.0001
#2	.0000	.0000	.0001	-.0001	.0004	.0000	.0000	.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**-.0003**	**-.0003**	**.0005**	**.0011**	**.0002**	**-.0014**	**-.0094**	**-.0005**
Stddev	.0000	.0001	.0002	.0003	.0011	.0000	.0005	.0028	.0010
%RSD	22.35	46.28	77.53	66.41	105.6	17.11	32.93	30.07	197.8
#1	-.0002	-.0004	-.0004	.0003	.0019	.0002	-.0017	-.0114	-.0013
#2	-.0002	-.0002	-.0001	.0007	.0003	.0002	-.0011	-.0074	.0002

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0016**	**-.0140**	**.0050**	**-.0029**	**-.0010**	**-.0008**	**.0001**	**.0016**	**-.0001**
Stddev	.0006	.0177	.0045	.0026	.0003	.0001	.0006	.0004	.0009
%RSD	39.70	126.9	88.86	87.21	28.07	11.01	415.1	25.83	748.7
#1	-.0020	-.0265	.0019	-.0011	-.0012	-.0007	-.0003	.0013	.0005
#2	-.0011	-.0014	.0082	-.0047	-.0008	-.0008	.0006	.0019	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0004**	**-.0159**	**-.0006**	**-.0014**	**.0003**	**-.0004**
Stddev	.0001	.0001	.0009	.0001	.0017	.0001	.0006
%RSD	29.05	35.22	5.797	23.90	120.1	42.67	135.9
#1	-.0001	-.0005	-.0166	-.0007	-.0026	.0002	-.0009
#2	-.0002	-.0003	-.0153	-.0005	-.0002	.0004	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88082.**	**14550.**	**1818.7**	**6036.9**
Stddev	188.	82.	2.0	6.9
%RSD	.21330	.56352	.11179	.11361
#1	87949.	14492.	1820.2	6041.8
#2	88214.	14608.	1817.3	6032.1

Zoom In Zoom Out

Sample Name: idl-3conf Acquired: 6/6/2014 20:46:06 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0000**	**.0000**	**.0001**	**.0002**	**-.0001**	**-.0002**	**-.0001**
Stddev	.0000	.000	.0000	.0000	.0006	.0002	.0000	.0001	.0002
%RSD	5.358	54.57	78.38	930.6	425.4	99.74	31.62	60.52	355.6
#1	-.0001	.0000	.0000	.0000	.0006	.0001	-.0001	-.0003	.0001
#2	-.0001	.0000	.0001	.0000	-.0003	.0004	-.0001	-.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**-.0001**	**-.0001**	**-.0003**	**.0014**	**.0018**	**-.0004**	**-.0039**	**.0019**
Stddev	.0002	.0001	.0001	.0003	.0000	.0002	.0003	.0015	.0013
%RSD	91.27	78.02	226.0	100.8	3.569	10.64	70.01	38.41	65.52
#1	-.0003	-.0002	-.0002	-.0005	.0014	.0016	-.0002	-.0050	.0028
#2	-.0001	.0000	.0000	-.0001	.0014	.0019	-.0005	-.0028	.0010

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0011**	**-.0080**	**-.0173**	**-.0006**	**-.0012**	**-.0007**	**.0009**	**.0106**	**.0002**
Stddev	.0013	.0099	.0043	.0013	.0008	.0000	.0004	.0001	.0008
%RSD	113.6	123.5	24.85	205.8	69.90	6.336	44.91	1.026	336.2
#1	.0002	-.0150	-.0143	-.0015	-.0017	-.0008	.0012	.0106	-.0003
#2	.0020	-.0010	-.0204	.0003	-.0006	-.0007	.0006	.0105	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0002**	**-.0171**	**-.0005**	**.0003**	**.0003**	**-.0010**
Stddev	.0000	.0000	.0003	.0001	.0016	.0007	.0003
%RSD	33.00	22.06	1.817	11.33	508.4	215.7	29.76
#1	-.0001	-.0001	-.0173	-.0006	-.0008	.0008	-.0008
#2	-.0001	-.0002	-.0169	-.0005	.0014	-.0002	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86388.**	**14540.**	**1806.5**	**5986.1**
Stddev	36.	100.	1.2	9.8
%RSD	.04193	.68727	.06441	.16361
#1	86413.	14611.	1807.3	5993.0
#2	86362.	14469.	1805.7	5979.2

Zoom In Zoom Out

Sample Name: idl-4conf Acquired: 6/6/2014 20:52:24 Type: Unk
Method: Accutest1(v125) Mode: 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**	**-.0002**	**-.0001**	**.0003**	**.0007**	**-.0001**	**-.0001**	**.0000**
Stddev	.000	.000	.0001	.0002	.0002	.0001	.0001	.0003	.000
%RSD	549.0	58.55	58.90	232.0	63.22	10.86	174.9	226.3	92.04
#1	.0000	.0000	-.0002	.0000	.0005	.0007	-.0001	.0001	.0000
#2	.0000	.0000	-.0001	-.0002	.0002	.0006	.0000	-.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0001**	**-.0001**	**.0003**	**.0012**	**.0024**	**-.0007**	**-.0004**	**.0014**
Stddev	.0000	.0000	.0009	.0000	.0005	.0001	.0003	.0040	.0003
%RSD	142.1	21.86	833.7	2.982	39.29	3.131	45.43	1078.	21.75
#1	.0000	-.0001	-.0007	.0003	.0009	.0024	-.0009	-.0032	.0017
#2	.0001	-.0001	.0005	.0003	.0016	.0025	-.0005	.0025	.0012

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0019**	**-.0118**	**.0088**	**.0003**	**-.0011**	**-.0010**	**.0010**	**.0088**	**.0004**
Stddev	.0003	.0180	.0001	.0002	.0004	.0001	.0008	.0003	.0006
%RSD	17.55	151.6	1.163	78.11	33.52	9.716	79.40	3.579	156.3
#1	-.0017	.0008	.0088	.0005	-.0014	-.0010	.0005	.0086	.0000
#2	-.0021	-.0245	.0087	.0001	-.0009	-.0011	.0016	.0091	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0002**	**-.0178**	**-.0006**	**.0010**	**-.0002**	**-.0007**
Stddev	.0000	.0001	.0009	.0000	.0006	.0011	.0011
%RSD	.2625	69.19	4.783	1.556	64.32	618.3	161.3
#1	-.0002	.0001	-.0184	-.0006	.0015	-.0010	-.0014
#2	-.0002	.0003	-.0172	-.0006	.0005	.0006	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85714.**	**14606.**	**1801.5**	**5963.7**
Stddev	26.	81.	.8	1.9
%RSD	.02975	.55455	.04665	.03233
#1	85732.	14549.	1802.1	5962.3
#2	85696.	14664.	1801.0	5965.0

Zoom In Zoom Out

Sample Name: idl-5conf Acquired: 6/6/2014 20:58:42 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0000**	**.0000**	**.0002**	**-.0001**	**-.0002**	**.0003**
Stddev	.0000	.0000	.000	.000	.000	.0001	.0000	.0000	.0002
%RSD	95.07	5.807	137.7	104.4	203.8	58.69	.6912	2.056	72.87
#1	.0000	-.0001	.0000	.0000	-.0001	.0003	-.0001	-.0002	.0002
#2	.0000	-.0001	-.0001	.0000	.0000	.0001	-.0001	-.0002	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**-.0004**	**-.0008**	**.0002**	**.0003**	**.0020**	**.0001**	**-.0048**	**-.0011**
Stddev	.0003	.0001	.0005	.0001	.0007	.0008	.0001	.0039	.0000
%RSD	162.1	28.47	60.89	66.26	269.4	36.97	152.9	80.56	.5423
#1	-.0004	-.0003	-.0012	.0003	.0008	.0015	.0002	-.0075	-.0011
#2	.0000	-.0004	-.0005	.0001	-.0002	.0026	.0000	-.0021	-.0011

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0005**	**-.0077**	**-.0151**	**-.0024**	**-.0011**	**-.0008**	**-.0003**	**.0017**	**.0007**
Stddev	.0010	.0090	.0191	.0003	.0001	.0000	.0014	.0005	.0007
%RSD	186.8	117.8	126.2	14.29	12.78	3.284	467.9	31.51	105.2
#1	-.0012	-.0013	-.0287	-.0027	-.0010	-.0008	.0007	.0013	.0012
#2	.0002	-.0140	-.0016	-.0022	-.0012	-.0009	-.0013	.0021	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0003**	**-.0185**	**-.0009**	**-.0006**	**.0003**	**-.0003**
Stddev	.0000	.0005	.0011	.0001	.0005	.0005	.0003
%RSD	8.804	154.3	5.952	15.10	87.81	180.7	107.6
#1	-.0002	.0000	-.0178	-.0010	-.0002	-.0001	-.0005
#2	-.0002	-.0007	-.0193	-.0008	-.0009	.0007	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85841.**	**14477.**	**1790.9**	**5923.1**
Stddev	77.	64.	2.2	13.7
%RSD	.08954	.44351	.12447	.23185
#1	85787.	14522.	1792.4	5932.8
#2	85896.	14431.	1789.3	5913.4

Zoom In Zoom Out

Sample Name: idl-6conf Acquired: 6/6/2014 21:04:59 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0000**	**.0001**	**.0001**	**.0007**	**.0000**	**-.0003**	**.0000**
Stddev	.0000	.000	.0001	.0001	.0001	.0002	.000	.0002	.000
%RSD	6.733	540.7	280.1	143.6	135.1	26.42	280.2	82.35	1760.
#1	-.0001	-.0001	.0000	.0000	.0001	.0006	.0000	-.0001	.0001
#2	-.0001	.0000	.0001	.0002	.0000	.0008	.0000	-.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0001**	**-.0007**	**.0001**	**.0008**	**.0012**	**-.0001**	**-.0048**	**-.0001**
Stddev	.0001	.0001	.0005	.0002	.0002	.0001	.0004	.0014	.0017
%RSD	72.59	193.7	64.65	204.5	25.24	12.24	261.9	29.22	1166.
#1	.0000	.0000	-.0004	.0000	.0009	.0013	-.0004	-.0038	-.0013
#2	-.0002	-.0002	-.0010	.0002	.0006	.0011	.0001	-.0058	.0010

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0032**	**-.0090**	**-.0142**	**-.0024**	**-.0009**	**-.0009**	**.0007**	**.0111**	**.0008**
Stddev	.0014	.0033	.0187	.0053	.0002	.0002	.0001	.0002	.0004
%RSD	44.33	36.23	131.8	219.7	23.96	16.36	12.48	1.681	48.42
#1	.0042	-.0067	-.0010	.0013	-.0007	-.0008	.0006	.0112	.0011
#2	.0022	-.0113	-.0274	-.0062	-.0010	-.0011	.0008	.0110	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0001**	**-.0187**	**-.0007**	**.0054**	**.0000**	**-.0008**
Stddev	.0000	.0000	.0000	.0002	.0004	.000	.0000
%RSD	7.226	1.574	.1553	28.41	8.162	788.2	6.221
#1	-.0002	-.0001	-.0187	-.0006	.0051	-.0003	-.0008
#2	-.0001	-.0001	-.0186	-.0008	.0057	.0002	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84036.**	**14436.**	**1778.7**	**5875.6**
Stddev	17.	37.	2.1	17.6
%RSD	.01964	.25497	.12021	.29999
#1	84024.	14462.	1780.2	5888.1
#2	84048.	14410.	1777.1	5863.1

Zoom In Zoom Out

Sample Name: idl-7conf Acquired: 6/6/2014 21:11:18 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0001**	**.0000**	**.0002**	**.0025**	**.0000**	**-.0002**	**.0001**
Stddev	.0000	.0000	.0000	.0003	.0000	.0000	.000	.0003	.0003
%RSD	153.0	98.45	25.05	727.6	28.63	1.740	2360.	105.9	342.1
#1	.0001	.0001	-.0001	-.0002	.0002	.0026	.0000	-.0001	-.0001
#2	.0000	.0000	-.0001	.0003	.0001	.0025	.0000	-.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0014**	**.0003**	**.0006**	**.0004**	**.0014**	**-.0013**	**-.0028**	**.0023**
Stddev	.0001	.0001	.0011	.0014	.0003	.0002	.0006	.0038	.0002
%RSD	41.30	4.037	321.9	247.1	57.61	10.92	48.82	132.7	9.534
#1	-.0003	.0013	.0011	-.0004	.0006	.0013	-.0018	-.0055	.0025
#2	-.0002	.0014	-.0004	.0016	.0003	.0016	-.0009	-.0002	.0022

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**-.0139**	**-.0117**	**-.0024**	**-.0012**	**-.0008**	**.0006**	**.0084**	**.0006**
Stddev	.0007	.0231	.0117	.0024	.0003	.0001	.0005	.0008	.0002
%RSD	53.52	166.6	100.1	100.9	22.20	12.32	82.59	9.374	39.72
#1	.0008	-.0302	-.0034	-.0042	-.0014	-.0009	.0009	.0089	.0007
#2	.0018	.0025	-.0200	-.0007	-.0010	-.0007	.0002	.0078	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0003**	**-.0200**	**-.0006**	**.0004**	**.0003**	**-.0010**
Stddev	.0000	.0000	.0002	.0001	.0018	.0003	.0001
%RSD	8.042	7.645	1.055	9.363	505.9	102.3	11.59
#1	-.0002	-.0003	-.0199	-.0006	-.0009	.0005	-.0009
#2	-.0002	-.0003	-.0202	-.0007	.0016	.0001	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84061.**	**14490.**	**1788.4**	**5897.8**
Stddev	88.	35.	3.8	8.4
%RSD	.10489	.23956	.21187	.14174
#1	83999.	14515.	1791.1	5903.7
#2	84123.	14466.	1785.7	5891.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 21:17:38 Type: QC
Method: Accutest1(v125) 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	**2.006**	**2.027**	**2.030**	**2.030**	**2.023**	**1.987**	**2.099**	**2.063**	**.2540**
Stddev	.004	.000	.006	.004	.000	.006	.003	.005	.0000
%RSD	.2092	.0134	.2950	.1980	.0009	.2799	.1380	.2207	.0105
#1	2.009	2.027	2.026	2.027	2.023	1.991	2.101	2.060	.2540
#2	2.003	2.027	2.034	2.033	2.023	1.983	2.097	2.067	.2540
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	**2.028**	**2.052**	**2.033**	**2.145**	**2.048**	**2.060**	**2.019**	**39.17**	**39.42**
Stddev	.002	.003	.004	.003	.001	.007	.006	.02	.06
%RSD	.0977	.1581	.2222	.1151	.0514	.3636	.2993	.0446	.1550
#1	2.029	2.050	2.030	2.147	2.049	2.054	2.015	39.18	39.38
#2	2.027	2.054	2.036	2.143	2.048	2.065	2.023	39.16	39.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.08**	**40.21**	**39.52**	**39.27**	**2.059**	**2.040**	**2.013**	**5.091**	**2.093**
Stddev	.05	.12	.04	.06	.006	.007	.004	.017	.005
%RSD	.1280	.3037	.1004	.1593	.2807	.3448	.1923	.3364	.2494
#1	41.04	40.12	39.55	39.32	2.054	2.035	2.016	5.079	2.090
#2	41.11	40.29	39.49	39.23	2.063	2.045	2.010	5.103	2.097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 21:17:38 Type: QC
Method: Accutest1(v125) 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	**2.078**	**2.068**	**1.907**	**2.072**	**2.027**	**2.044**	**1.997**
Stddev	.001	.004	.029	.006	.002	.009	.003
%RSD	.0254	.2182	1.505	.2827	.1155	.4537	.1513
#1	2.078	2.071	1.887	2.076	2.026	2.038	1.999
#2	2.077	2.065	1.928	2.067	2.029	2.051	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	**78991.**	**14256.**	**1701.3**	**5256.5**
Stddev	103.	51.	5.8	10.8
%RSD	.13032	.35586	.33798	.20571
#1	78918.	14291.	1705.4	5264.1
#2	79064.	14220.	1697.3	5248.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 21:23:41 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0006**	**.0005**	**.0007**	**.0010**	**.0004**	**.0003**	**.0001**
Stddev	.0001	.0000	.0001	.0001	.0003	.0000	.0001	.0002	.0001
%RSD	19.34	10.36	14.76	20.17	46.37	1.702	37.97	68.12	91.29
#1	.0003	.0003	.0005	.0006	.0005	.0010	.0003	.0005	.0002
#2	.0004	.0003	.0007	.0004	.0009	.0010	.0005	.0002	.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**	**.0003**	**.0008**	**.0016**	**-.0001**	**-.0009**	**-.0004**	**-.0032**	**.0043**
Stddev	.0004	.0001	.0004	.0010	.0000	.0010	.0001	.0018	.0022
%RSD	78.73	33.70	56.34	61.83	57.77	116.4	33.37	55.97	51.24
#1	.0002	.0004	.0011	.0009	-.0001	-.0002	-.0005	-.0045	.0028
#2	.0007	.0002	.0005	.0022	.0000	-.0016	-.0003	-.0019	.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0075**	**.0096**	**-.0070**	**.0042**	**.0004**	**.0013**	**.0016**	**.0022**	**.0011**
Stddev	.0009	.0201	.0048	.0063	.0004	.0003	.0006	.0008	.0004
%RSD	12.43	210.5	68.50	151.8	100.5	19.91	37.84	37.80	35.98
#1	.0068	-.0047	-.0036	.0086	.0007	.0015	.0012	.0027	.0008
#2	.0081	.0238	-.0104	-.0003	.0001	.0011	.0020	.0016	.0014
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: 6/6/2014 21:23:41 Type: QC
Method: Accutest1(v125) 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**	**.0083**	**.0009**	**.0004**	**.0006**	**.0000**
Stddev	.0001	.0000	.0026	.0000	.0010	.0003	.000
%RSD	52.08	5.531	31.58	2.759	243.4	43.97	538.9
#1	.0001	.0003	.0101	.0009	-.0003	.0008	.0001
#2	.0003	.0004	.0064	.0009	.0011	.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	**84081.**	**14533.**	**1774.1**	**5856.1**
Stddev	71.	87.	3.4	5.7
%RSD	.08428	.59878	.18911	.09726
#1	84131.	14471.	1776.5	5860.1
#2	84031.	14594.	1771.7	5852.0

Zoom In Zoom Out

Sample Name: reg50ppmconf Acquired: 6/6/2014 21:30:00 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**47.41**	**44.42**	**36.95**	**42.70**	**47.06**	**45.47**	**37.63**	**42.54**	**.0002**
Stddev	.01	.49	.02	.03	.11	.04	.03	.03	.0004
%RSD	.0162	1.111	.0633	.0796	.2415	.0961	.0840	.0638	232.2
#1	47.42	44.77	36.96	42.67	47.14	45.50	37.61	42.52	.0005
#2	47.41	44.07	36.93	42.72	46.98	45.44	37.65	42.56	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**51.18**	**55.59**	**43.98**	**45.39**	**59.89**	**55.81**	**1.591**	**-.0128**
Stddev	-----	.01	.12	.16	.04	.12	.09	.001	.0005
%RSD	-----	.0190	.2172	.3530	.0790	.2076	.1675	.0311	3.886
#1	-----	51.19	55.50	43.87	45.36	59.80	55.74	1.591	-.0124
#2	-----	51.17	55.67	44.09	45.42	59.97	55.88	1.591	-.0131

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.1628**	**-1.186**	**.0203**	**.1705**	**57.45**	**52.01**	**48.99**	**3.098**	**55.14**
Stddev	.0004	.003	.0023	.0007	.11	.07	.07	.044	.09
%RSD	.2682	.2358	11.55	.4080	.1962	.1411	.1404	1.425	.1634
#1	-.1631	-1.184	.0219	.1700	57.37	51.96	48.94	3.067	55.07
#2	-.1625	-1.188	.0186	.1709	57.53	52.07	49.03	3.129	55.20

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**45.10**	**47.61**	**.5001**	**.0369**	**.2372**	**-.1919**	**.0000**
Stddev	.43	.15	.0039	.0015	.0017	.0011	.000
%RSD	.9525	.3136	.7889	3.943	.6980	.5741	1253.
#1	44.80	47.72	.5029	.0379	.2383	-.1912	.0002
#2	45.41	47.51	.4974	.0359	.2360	-.1927	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79763.**	**14270.**	**1472.5**	**6005.4**
Stddev	43.	11.	2.5	8.1
%RSD	.05424	.07639	.17245	.13452
#1	79732.	14263.	1474.2	6011.1
#2	79793.	14278.	1470.7	5999.7

Zoom In Zoom Out

Sample Name: reg25ppmconf Acquired: 6/6/2014 21:36:49 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**24.13**	**23.27**	**21.11**	**22.91**	**24.21**	**23.52**	**21.56**	**22.94**	**.0025**
Stddev	.36	.06	.02	.03	.06	.17	.06	.02	.0001
%RSD	1.473	.2784	.0957	.1232	.2461	.7110	.2751	.0666	3.575
#1	23.88	23.32	21.09	22.93	24.25	23.64	21.52	22.95	.0026
#2	24.38	23.23	21.12	22.89	24.17	23.41	21.60	22.93	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0394**	**25.43**	**25.39**	**24.76**	**24.33**	**28.08**	**26.29**	**-.2754**	**-.0086**
Stddev	.0011	.04	.05	.32	.02	.06	.02	.0040	.0003
%RSD	2.790	.1592	.1836	1.278	.0948	.2197	.0653	1.454	3.630
#1	.0402	25.46	25.43	24.99	24.34	28.12	26.28	-.2782	-.0088
#2	.0386	25.40	25.36	24.54	24.31	28.04	26.30	-.2726	-.0084

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0944**	**-.0995**	**-.0039**	**.0801**	**26.15**	**25.58**	**24.35**	**.1655**	**26.56**
Stddev	.0003	.0127	.0027	.0021	.03	.04	.06	.0114	.05
%RSD	.2987	12.73	69.37	2.670	.1089	.1646	.2325	6.862	.1866
#1	-.0946	-.0905	-.0020	.0786	26.13	25.61	24.39	.1575	26.59
#2	-.0943	-.1084	-.0059	.0816	26.17	25.55	24.31	.1735	26.52

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**23.16**	**23.60**	**-.0532**	**.0151**	**.0055**	**-.0484**	**-.0002**
Stddev	.08	.03	.0030	.0002	.0019	.0004	.0011
%RSD	.3359	.1130	5.618	1.329	34.36	.8219	479.4
#1	23.10	23.62	-.0511	.0153	.0042	-.0481	.0005
#2	23.21	23.58	-.0554	.0150	.0069	-.0487	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83374.**	**14634.**	**1625.2**	**5908.5**
Stddev	17.	30.	2.3	2.8
%RSD	.02006	.20802	.14022	.04662
#1	83386.	14612.	1626.8	5910.4
#2	83362.	14655.	1623.6	5906.6

Zoom In Zoom Out

Sample Name: reg10ppmconf Acquired: 6/6/2014 21:43:32 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**9.765**	**9.606**	**9.346**	**9.528**	**9.996**	**9.783**	**9.533**	**9.608**	**.0009**
Stddev	.059	.037	.042	.026	.005	.003	.029	.025	.0000
%RSD	.6037	.3855	.4482	.2688	.0516	.0251	.3039	.2656	1.856
#1	9.723	9.580	9.376	9.546	9.992	9.781	9.554	9.626	.0009
#2	9.806	9.632	9.316	9.510	10.000	9.785	9.513	9.590	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0153**	**10.14**	**9.872**	**10.54**	**10.13**	**10.91**	**10.06**	**-.1106**	**-.0023**
Stddev	.0002	.05	.039	.06	.04	.03	.03	.0044	.0018
%RSD	1.010	.5319	.3954	.5812	.4085	.3052	.3004	3.980	77.93
#1	.0152	10.18	9.899	10.59	10.16	10.93	10.08	-.1137	-.0036
#2	.0154	10.11	9.844	10.50	10.10	10.89	10.04	-.1075	-.0010

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0385**	**-.0603**	**-.0129**	**.0215**	**10.18**	**10.14**	**9.744**	**.1549**	**10.49**
Stddev	.0013	.0052	.0072	.0031	.02	.04	.029	.0039	.04
%RSD	3.481	8.580	55.85	14.51	.2091	.3623	.2977	2.494	.3563
#1	-.0394	-.0566	-.0181	.0237	10.20	10.16	9.723	.1577	10.52
#2	-.0375	-.0639	-.0078	.0193	10.17	10.11	9.764	.1522	10.47

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**9.700**	**9.766**	**-.0370**	**.0054**	**-.0061**	**-.0143**	**-.0002**
Stddev	.199	.019	.0008	.0000	.0012	.0010	.0009
%RSD	2.053	.1911	2.272	.2813	19.26	6.962	357.9
#1	9.559	9.752	-.0364	.0054	-.0069	-.0150	-.0009
#2	9.841	9.779	-.0375	.0054	-.0052	-.0136	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84452.**	**14675.**	**1730.7**	**5898.8**
Stddev	93.	40.	3.9	9.2
%RSD	.10981	.27149	.22567	.15673
#1	84518.	14703.	1728.0	5892.3
#2	84387.	14646.	1733.5	5905.4

Zoom In Zoom Out

Sample Name: min1000ppmconf Acquired: 6/6/2014 21:50:00 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0017**	**.0190**	**.0108**	**.0078**	**.0035**	**-.0042**	**-.0182**	**-.0046**	**-.0121**
Stddev	.0001	.0006	.0004	.0001	.0002	.0011	.0006	.0010	.0031
%RSD	6.332	3.391	3.489	1.135	6.130	26.19	3.476	22.59	26.00
#1	.0018	.0195	.0105	.0078	.0033	-.0035	-.0178	-.0039	-.0099
#2	.0017	.0186	.0110	.0077	.0036	-.0050	-.0187	-.0053	-.0143

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0050**	**.0017**	**.0034**	**-.0073**	**.0123**	**-.0888**	**.0025**	**1033.**	**863.8**
Stddev	.0008	.0000	.0021	.0006	.0032	.0033	.0042	22.	15.4
%RSD	15.35	2.544	61.62	8.768	25.78	3.742	171.1	2.102	1.780
#1	-.0055	.0017	.0019	-.0068	.0146	-.0865	-.0005	1049.	874.7
#2	-.0044	.0017	.0049	-.0077	.0101	-.0912	.0055	1018.	853.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**774.8**	**956.7**	**950.5**	**904.1**	**-.0063**	**-.0186**	**-.0781**	**.0301**	**.0194**
Stddev	10.1	13.2	30.4	13.5	.0016	.0011	.0000	.0003	.0012
%RSD	1.300	1.376	3.195	1.490	25.68	6.147	.0541	.9432	6.263
#1	781.9	966.1	972.0	913.7	-.0051	-.0178	-.0781	.0303	.0203
#2	767.7	947.4	929.0	894.6	-.0074	-.0194	-.0781	.0299	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0236**	**.0078**	**.0405**	**.0029**	**-.1328**	**.0076**	**.0090**
Stddev	.0003	.0002	.0019	.0013	.0011	.0018	.0004
%RSD	1.431	2.122	4.762	44.93	.8633	23.97	4.590
#1	-.0239	.0079	.0418	.0039	-.1336	.0088	.0093
#2	-.0234	.0077	.0391	.0020	-.1320	.0063	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**66471.**	**13168.**	**1373.7**	**4366.4**
Stddev	3.	5.	.9	.5
%RSD	.00459	.03823	.06564	.01247
#1	66469.	13164.	1374.4	4366.1
#2	66473.	13171.	1373.1	4366.8

Zoom In Zoom Out

Sample Name: min750ppmconf Acquired: 6/6/2014 21:56:35 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0014**	**.0138**	**.0073**	**.0058**	**.0035**	**-.0012**	**-.0093**	**-.0029**	**.0027**
Stddev	.0000	.0003	.0006	.0004	.0001	.0006	.0004	.0002	.0022
%RSD	.7792	2.276	7.800	7.558	2.976	44.55	4.048	5.928	80.70
#1	.0014	.0141	.0069	.0055	.0035	-.0016	-.0091	-.0030	.0043
#2	.0014	.0136	.0077	.0061	.0036	-.0009	-.0096	-.0028	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0039**	**.0000**	**.0047**	**-.0062**	**.0091**	**-.0454**	**-.0017**	**766.0**	**666.6**
Stddev	.0002	.001	.0003	.0019	.0025	.0032	.0004	9.2	6.5
%RSD	4.384	2520.	7.266	30.94	27.04	6.991	21.09	1.195	.9683
#1	-.0037	-.0004	.0049	-.0049	.0073	-.0477	-.0020	772.5	671.2
#2	-.0040	.0004	.0045	-.0076	.0108	-.0432	-.0015	759.5	662.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**611.3**	**728.5**	**691.3**	**685.5**	**-.0063**	**-.0184**	**-.0619**	**.0321**	**.0130**
Stddev	5.0	10.5	16.9	11.7	.0012	.0008	.0000	.0007	.0014
%RSD	.8247	1.439	2.451	1.703	19.55	4.281	.0772	2.322	11.05
#1	614.9	735.9	703.3	693.7	-.0072	-.0179	-.0619	.0326	.0141
#2	607.8	721.0	679.3	677.2	-.0055	-.0190	-.0620	.0315	.0120

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0185**	**.0058**	**.0248**	**.0044**	**-.1025**	**.0071**	**.0072**
Stddev	.0002	.0000	.0005	.0004	.0078	.0011	.0005
%RSD	1.110	.4632	2.018	9.761	7.617	15.16	6.346
#1	-.0186	.0058	.0251	.0047	-.1080	.0063	.0076
#2	-.0183	.0058	.0244	.0041	-.0970	.0078	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68289.**	**13367.**	**1407.8**	**4369.9**
Stddev	111.	18.	6.3	21.5
%RSD	.16241	.13604	.45043	.49170
#1	68211.	13354.	1412.2	4385.1
#2	68367.	13380.	1403.3	4354.7

Zoom In Zoom Out

Sample Name: min500ppmconf Acquired: 6/6/2014 22:03:11 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0009**	**.0096**	**.0041**	**.0039**	**.0027**	**.0003**	**-.0048**	**-.0020**	**.0084**
Stddev	.0001	.0000	.0004	.0004	.0001	.0007	.0006	.0004	.0020
%RSD	5.983	.5190	10.22	10.79	4.046	274.4	12.60	18.30	23.45
#1	.0009	.0097	.0044	.0042	.0028	.0007	-.0044	-.0023	.0098
#2	.0008	.0096	.0038	.0036	.0026	-.0002	-.0053	-.0018	.0070

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0026**	**-.0011**	**.0011**	**-.0026**	**.0047**	**-.0072**	**-.0012**	**515.9**	**460.5**
Stddev	.0003	.0004	.0026	.0036	.0005	.0027	.0009	2.2	2.8
%RSD	10.06	41.08	232.8	137.5	10.04	37.93	79.87	.4273	.5981
#1	-.0024	-.0014	-.0007	-.0001	.0050	-.0053	-.0018	517.5	462.5
#2	-.0028	-.0008	.0030	-.0051	.0044	-.0091	-.0005	514.4	458.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**430.2**	**488.4**	**480.3**	**477.3**	**-.0072**	**-.0137**	**-.0427**	**.0145**	**.0093**
Stddev	6.6	1.8	3.9	1.3	.0005	.0002	.0004	.0034	.0002
%RSD	1.533	.3659	.8024	.2802	7.165	1.227	.9379	23.47	1.793
#1	434.9	489.6	483.0	478.2	-.0069	-.0136	-.0430	.0121	.0094
#2	425.5	487.1	477.6	476.3	-.0076	-.0138	-.0424	.0169	.0091

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0129**	**.0034**	**.0083**	**.0044**	**-.0676**	**.0046**	**.0044**
Stddev	.0001	.0001	.0010	.0009	.0032	.0001	.0005
%RSD	.4863	4.047	12.21	20.43	4.702	3.007	12.56
#1	-.0129	.0033	.0090	.0050	-.0698	.0047	.0048
#2	-.0128	.0035	.0075	.0037	-.0653	.0045	.0040

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71241.**	**13551.**	**1478.6**	**4479.2**
Stddev	157.	58.	.1	9.9
%RSD	.21975	.42463	.00366	.21993
#1	71352.	13592.	1478.7	4486.1
#2	71130.	13511.	1478.6	4472.2

Zoom In Zoom Out

Sample Name: v50ppmconf Acquired: 6/6/2014 22:09:43 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0208**	**.0056**	**.0002**	**-.0004**	**-.0119**	**-.0001**	**.0001**	**.0001**
Stddev	.000	.0002	.0001	.0003	.0000	.0004	.0000	.0000	.0004
%RSD	69.14	.9325	1.809	116.7	8.229	3.133	2.257	57.36	542.5
#1	.0000	.0209	.0056	.0004	-.0003	-.0116	-.0001	.0001	.0004
#2	-.0001	.0206	.0055	.0000	-.0004	-.0121	-.0001	.0000	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**47.90**	**.0125**	**.0044**	**.0522**	**.0066**	**.0050**	**.0052**	**.0201**	**.0727**
Stddev	.06	.0003	.0008	.0015	.0011	.0008	.0004	.0045	.0008
%RSD	.1179	2.284	18.54	2.955	16.43	15.96	8.012	22.15	1.159
#1	47.86	.0123	.0038	.0533	.0059	.0044	.0049	.0170	.0721
#2	47.94	.0127	.0050	.0511	.0074	.0056	.0055	.0233	.0733

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0333**	**.0233**	**.1694**	**.0746**	**.0078**	**-.0394**	**.0111**	**.0120**	**-.0005**
Stddev	.0008	.0129	.0053	.0042	.0003	.0004	.0006	.0004	.0010
%RSD	2.396	55.21	3.103	5.624	3.636	1.012	5.384	3.201	188.4
#1	.0327	.0325	.1732	.0716	.0076	-.0391	.0106	.0122	-.0012
#2	.0338	.0142	.1657	.0776	.0080	-.0397	.0115	.0117	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0003**	**-.0658**	**-.0014**	**-.0005**	**-.0235**	**.0013**
Stddev	.0000	.0001	.0006	.0000	.0017	.0008	.0001
%RSD	8.703	27.43	.8626	2.866	348.6	3.463	6.314
#1	-.0001	-.0002	-.0654	-.0014	-.0017	-.0229	.0012
#2	-.0001	-.0003	-.0662	-.0015	.0007	-.0240	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80716.**	**14601.**	**1758.3**	**5789.7**
Stddev	95.	1.	5.4	11.2
%RSD	.11735	.00769	.30594	.19345
#1	80783.	14600.	1754.5	5781.8
#2	80649.	14602.	1762.2	5797.6

Zoom In Zoom Out

Sample Name: ag2ppmconf Acquired: 6/6/2014 22:16:06 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0002**	**.0000**	**.0003**	**.0001**	**.0027**	**.0000**	**-.0001**	**2.168**
Stddev	.0001	.0000	.000	.0004	.0000	.0000	.000	.0001	.002
%RSD	85.26	22.66	600.4	144.8	28.81	1.379	191.6	136.2	.1014
#1	-.0001	-.0002	-.0001	.0005	.0001	.0027	.0000	-.0001	2.167
#2	-.0002	-.0001	.0001	.0000	.0002	.0028	.0000	.0000	2.170

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0002**	**-.0001**	**.0005**	**.0010**	**.0025**	**-.0012**	**-.0089**	**.0004**
Stddev	.0000	.0000	.0006	.0002	.0008	.0002	.0001	.0057	.0017
%RSD	.0881	19.55	599.2	41.33	80.60	7.682	7.568	63.47	465.9
#1	.0003	.0003	.0003	.0006	.0004	.0023	-.0013	-.0049	.0015
#2	.0003	.0002	-.0005	.0003	.0015	.0026	-.0011	-.0129	-.0008

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0044**	**-.0103**	**.0785**	**.0243**	**.0062**	**-.0002**	**.0009**	**.0242**	**.0013**
Stddev	.0003	.0120	.0296	.0030	.0004	.0001	.0004	.0003	.0002
%RSD	7.886	116.6	37.78	12.46	6.346	49.14	41.32	1.210	13.66
#1	.0041	-.0188	.0994	.0221	.0065	-.0002	.0012	.0240	.0014
#2	.0046	-.0018	.0575	.0264	.0059	-.0001	.0007	.0245	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0002**	**-.0205**	**-.0103**	**-.0016**	**.0009**	**-.0004**
Stddev	.0000	.0001	.0003	.0000	.0004	.0000	.0003
%RSD	4.598	55.17	1.291	.4770	26.33	5.276	73.00
#1	-.0002	.0002	-.0203	-.0103	-.0013	.0009	-.0006
#2	-.0002	.0001	-.0207	-.0103	-.0019	.0008	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78888.**	**14713.**	**1740.5**	**5740.4**
Stddev	230.	67.	.5	4.7
%RSD	.29164	.45373	.02919	.08274
#1	79050.	14666.	1740.1	5737.0
#2	78725.	14760.	1740.8	5743.7

Zoom In Zoom Out

Sample Name: si50ppmconf Acquired: 6/6/2014 22:22:23 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0005**	**-.0010**	**.0002**	**.0019**	**-.0074**	**-.0017**	**.0001**
Stddev	.0001	.000	.0001	.0000	.0005	.0001	.0000	.0000	.0001
%RSD	84.28	101.3	14.65	1.871	313.5	7.882	.1023	2.542	81.83
#1	.0002	.0000	.0006	-.0010	.0005	.0020	-.0074	-.0016	.0001
#2	.0000	.0000	.0004	-.0010	-.0002	.0018	-.0074	-.0017	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0254**	**.0006**	**-.0075**	**-.0012**	**.0177**	**.0009**	**-.0477**	**.0055**
Stddev	.0002	.0001	.0002	.0004	.0001	.0006	.0001	.0017	.0008
%RSD	270.5	.5399	24.39	4.934	6.451	3.304	9.348	3.662	14.89
#1	-.0002	-.0255	.0005	-.0072	-.0012	.0173	.0008	-.0489	.0061
#2	.0001	-.0253	.0007	-.0077	-.0013	.0181	.0009	-.0465	.0049

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0024**	**-.0145**	**.0454**	**.0238**	**.0131**	**.0002**	**-.0001**	**49.67**	**.0011**
Stddev	.0001	.0103	.0165	.0041	.0001	.0001	.0010	.40	.0004
%RSD	2.122	71.08	36.33	17.06	1.033	38.56	835.1	.7959	33.67
#1	.0024	-.0218	.0571	.0267	.0132	.0003	.0006	49.95	.0008
#2	.0024	-.0072	.0338	.0209	.0130	.0002	-.0008	49.39	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0011**	**-.0082**	**.0008**	**-.0017**	**-.0029**	**.0000**
Stddev	.0000	.0000	.0006	.0002	.0020	.0005	.000
%RSD	9.246	3.160	7.626	27.79	117.1	16.06	584.1
#1	-.0001	.0011	-.0086	.0010	-.0031	-.0033	.0001
#2	-.0001	.0011	-.0077	.0007	-.0003	-.0026	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80423.**	**14810.**	**1751.9**	**5769.0**
Stddev	197.	26.	11.4	38.5
%RSD	.24463	.17497	.65139	.66735
#1	80562.	14791.	1743.8	5741.8
#2	80284.	14828.	1760.0	5796.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 22:28:39 Type: QC
Method: Accutest1(v125) 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	**2.014**	**2.006**	**2.000**	**1.987**	**1.951**	**1.981**	**2.056**	**2.032**	**.2531**
Stddev	.013	.013	.002	.008	.002	.004	.007	.009	.0015
%RSD	.6569	.6519	.1153	.4185	.1114	.1859	.3619	.4270	.5831
#1	2.023	2.015	1.998	1.981	1.950	1.978	2.051	2.026	.2521
#2	2.005	1.997	2.002	1.993	1.953	1.983	2.062	2.038	.2541
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	**1.974**	**1.993**	**2.025**	**2.121**	**2.002**	**2.069**	**2.019**	**39.09**	**38.39**
Stddev	.000	.013	.001	.007	.003	.002	.002	.25	.44
%RSD	.0052	.6363	.0469	.3549	.1597	.1039	.0776	.6304	1.144
#1	1.974	1.984	2.024	2.116	2.000	2.071	2.018	39.27	38.70
#2	1.974	2.002	2.025	2.127	2.004	2.068	2.020	38.92	38.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.38**	**39.05**	**39.12**	**38.80**	**2.073**	**2.008**	**2.018**	**5.102**	**2.071**
Stddev	.19	.17	.24	.28	.001	.003	.005	.005	.007
%RSD	.4745	.4268	.6164	.7300	.0260	.1257	.2689	.1000	.3641
#1	40.52	39.17	39.29	39.00	2.073	2.006	2.015	5.105	2.065
#2	40.25	38.93	38.94	38.60	2.073	2.009	2.022	5.098	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: 6/6/2014 22:28:39 Type: QC
Method: Accutest1(v125) 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	**2.093**	**2.049**	**F 1.775**	**2.052**	**2.014**	**2.051**	**1.997**
Stddev	.004	.009	.020	.012	.002	.002	.002
%RSD	.1999	.4421	1.115	.5764	.1073	.0724	.1224
#1	2.096	2.043	1.761	2.044	2.013	2.052	1.998
#2	2.090	2.056	1.789	2.060	2.016	2.050	1.995
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	**78797.**	**14588.**	**1677.4**	**5209.0**
Stddev	252.	90.	1.9	17.6
%RSD	.31930	.61988	.11165	.33861
#1	78975.	14524.	1678.7	5221.5
#2	78619.	14652.	1676.1	5196.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 22:34:43 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0003**	**.0005**	**.0007**	**.0005**	**.0009**	**.0003**	**.0006**	**.0000**
Stddev	.0001	.0000	.0001	.0002	.0003	.0001	.0000	.0000	.0001
%RSD	38.68	10.75	18.32	24.01	46.61	10.68	6.032	4.480	505.9
#1	.0002	.0003	.0004	.0006	.0007	.0008	.0003	.0006	.0001
#2	.0001	.0003	.0005	.0008	.0004	.0009	.0004	.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	**.0005**	**.0003**	**.0008**	**.0011**	**.0006**	**.0004**	**-.0012**	**-.0038**	**.0041**
Stddev	.0001	.0002	.0007	.0003	.0004	.0008	.0002	.0013	.0011
%RSD	16.72	59.60	90.45	24.23	70.04	196.7	14.02	35.60	26.43
#1	.0004	.0004	.0012	.0013	.0009	.0010	-.0011	-.0028	.0049
#2	.0006	.0002	.0003	.0009	.0003	-.0002	-.0013	-.0047	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**-.0144**	**.0388**	**.0232**	**.0063**	**.0020**	**.0017**	**.0058**	**.0003**
Stddev	.0013	.0275	.0129	.0032	.0002	.0004	.0001	.0008	.0006
%RSD	27.23	190.5	33.21	13.62	3.722	18.40	8.469	12.98	212.5
#1	.0057	-.0339	.0479	.0254	.0065	.0022	.0016	.0063	.0007
#2	.0039	.0050	.0297	.0210	.0061	.0017	.0018	.0053	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 22:34:43 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0028**	**.0008**	**-.0002**	**.0015**	**-.0001**
Stddev	.0000	.0004	.0007	.0000	.0013	.0003	.0004
%RSD	28.49	194.6	23.21	2.970	532.5	18.97	306.8
#1	.0001	.0004	.0033	.0007	-.0012	.0016	.0002
#2	.0001	-.0001	.0024	.0008	.0007	.0013	-.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	**84357.**	**14827.**	**1742.7**	**5792.3**
Stddev	45.	111.	8.1	35.7
%RSD	.05391	.75075	.46654	.61582
#1	84325.	14749.	1748.4	5817.5
#2	84389.	14906.	1736.9	5767.1

Zoom In Zoom Out

Sample Name: s100ppmconf Acquired: 6/6/2014 22:41:02 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0001**	**.0002**	**.0000**	**.0016**	**.0001**	**.0004**	**.0002**
Stddev	.0002	.0000	.0001	.0000	.0005	.0002	.0000	.0001	.0004
%RSD	384.3	35.15	114.2	12.01	7301.	14.98	25.85	17.80	185.8
#1	-.0002	.0000	.0000	.0002	-.0003	.0014	.0001	.0005	.0005
#2	.0001	.0000	.0002	.0002	.0003	.0018	.0001	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0029**	**.0010**	**-.0012**	**.0028**	**-.0004**	**-.0005**	**-.0034**	**.0258**
Stddev	.0001	.0001	.0001	.0009	.0002	.0000	.0002	.0005	.0027
%RSD	20.03	4.795	5.119	79.51	6.004	3.120	45.88	15.09	10.53
#1	.0007	.0029	.0010	-.0019	.0027	-.0004	-.0003	-.0037	.0239
#2	.0006	.0028	.0010	-.0005	.0029	-.0004	-.0007	-.0030	.0277

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**-.0074**	**.0486**	**.0197**	**.0051**	**.0000**	**-.0003**	**.0199**	**-.0003**
Stddev	.0005	.0199	.0247	.0073	.0002	.0002	.0002	.0009	.0002
%RSD	7.391	269.3	50.75	37.14	4.614	374.1	80.72	4.504	57.01
#1	.0063	.0067	.0312	.0146	.0050	.0002	-.0001	.0205	-.0002
#2	.0070	-.0215	.0661	.0249	.0053	-.0001	-.0004	.0193	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0088**	**.0096**	**98.94**	**.0005**	**.0018**
Stddev	.0000	.000	.0001	.0003	.63	.0002	.0003
%RSD	38.74	93.60	.8872	2.913	.6394	46.68	17.59
#1	-.0001	.0000	-.0089	.0094	98.50	.0003	.0015
#2	-.0001	.0000	-.0088	.0098	99.39	.0006	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84729.**	**14767.**	**1740.3**	**5806.2**
Stddev	318.	68.	4.9	27.4
%RSD	.37480	.45877	.28306	.47174
#1	84954.	14719.	1743.8	5825.6
#2	84505.	14815.	1736.9	5786.8

Zoom In Zoom Out

Sample Name: bi50ppmconf Acquired: 6/6/2014 22:47:17 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0004**	**.0003**	**.0003**	**.0005**	**.0000**	**.0002**	**.0007**
Stddev	.0001	.0001	.0002	.0000	.0002	.0001	.000	.0000	.0002
%RSD	35.96	615.2	36.00	7.891	53.98	27.82	.6517	8.333	21.98
#1	.0002	.0000	.0003	.0003	.0002	.0004	.0000	.0002	.0006
#2	.0001	.0001	.0006	.0002	.0004	.0006	.0000	.0002	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0171**	**-.0006**	**.0042**	**-.0045**	**.0023**	**-.0015**	**-.0023**	**.0096**
Stddev	.0000	.0002	.0002	.0003	.0008	.0001	.0015	.0036	.0019
%RSD	4.433	1.162	34.82	7.031	17.00	2.292	101.9	157.6	19.54
#1	.0005	.0170	-.0005	.0045	-.0040	.0023	-.0004	-.0048	.0109
#2	.0005	.0172	-.0008	.0040	-.0051	.0024	-.0025	.0003	.0082

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0036**	**-.0152**	**.0052**	**.0126**	**.0048**	**-.0004**	**.0002**	**.0177**	**.0003**
Stddev	.0011	.0086	.0014	.0004	.0003	.0000	.0013	.0005	.0004
%RSD	31.06	56.60	25.94	2.969	6.097	10.16	829.5	2.591	127.0
#1	.0028	-.0213	.0043	.0128	.0050	-.0005	-.0008	.0174	.0000
#2	.0045	-.0091	.0062	.0123	.0046	-.0004	.0011	.0181	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0002**	**-.0113**	**-.0085**	**.0021**	**53.26**	**.0020**
Stddev	.0001	.0002	.0001	.0000	.0000	.19	.0006
%RSD	55.02	130.9	.9787	.2782	1.327	.3569	28.33
#1	-.0002	.0000	-.0113	-.0086	.0021	53.13	.0016
#2	-.0001	.0003	-.0114	-.0085	.0021	53.40	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83905.**	**14646.**	**1709.3**	**5719.9**
Stddev	23.	39.	4.7	28.9
%RSD	.02726	.26587	.27236	.50588
#1	83921.	14618.	1712.6	5740.4
#2	83889.	14674.	1706.0	5699.4

Zoom In Zoom Out

Sample Name: li50ppmconf Acquired: 6/6/2014 22:53:33 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0002**	**.0001**	**.0002**	**.0013**	**.0000**	**-.0001**	**.0004**
Stddev	.0001	.000	.0002	.0000	.0002	.0001	.0000	.0001	.0001
%RSD	73.92	604.0	81.49	17.62	108.1	10.78	14.80	69.00	22.60
#1	.0003	.0000	.0001	.0001	.0000	.0014	.0000	.0000	.0004
#2	.0001	.0000	.0004	.0001	.0004	.0012	.0000	-.0001	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0015**	**-.0002**	**-.0003**	**.0003**	**.0015**	**-.0006**	**.0490**	**.0131**
Stddev	.0002	.0001	.0010	.0009	.0001	.0002	.0005	.0021	.0027
%RSD	34.39	5.115	503.4	269.4	15.38	11.76	78.93	4.353	20.47
#1	.0008	.0015	.0005	-.0010	.0003	.0013	-.0003	.0475	.0150
#2	.0005	.0014	-.0009	.0003	.0004	.0016	-.0009	.0506	.0112

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0058**	**-.0012**	**.0373**	**.0225**	**.0041**	**-.0003**	**.0002**	**.0098**	**.0004**
Stddev	.0016	.0031	.0238	.0013	.0002	.0002	.0001	.0004	.0006
%RSD	27.65	254.5	63.68	5.973	4.610	85.30	30.55	4.101	166.4
#1	.0047	-.0034	.0541	.0215	.0042	-.0001	.0002	.0101	-.0001
#2	.0070	.0010	.0205	.0234	.0039	-.0004	.0003	.0095	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0126**	**-.0014**	**.0040**	**.0032**	**49.38**
Stddev	.0000	.000	.0004	.0001	.0007	.0005	.16
%RSD	15.00	884.9	2.885	4.913	17.04	16.79	.3298
#1	-.0001	.0001	-.0124	-.0013	.0035	.0036	49.50
#2	-.0001	-.0002	-.0129	-.0014	.0045	.0028	49.27

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78352.**	**14325.**	**1631.9**	**5095.3**
Stddev	93.	37.	4.1	21.8
%RSD	.11830	.25962	.25181	.42786
#1	78417.	14299.	1634.8	5110.7
#2	78286.	14351.	1629.0	5079.9

Zoom In Zoom Out

Sample Name: zr25ppmconf Acquired: 6/6/2014 22:59:54 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: linear range

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0080**	**-.0001**	**-.0001**	**.0002**	**-.0020**	**.0012**	**.0001**	**-.0010**	**-.0162**
Stddev	.0000	.0000	.0000	.0000	.0002	.0001	.0000	.0003	.0002
%RSD	.1080	11.87	2.046	19.82	8.083	8.688	40.61	24.85	1.005
#1	-.0080	-.0001	-.0001	.0002	-.0019	.0012	.0001	-.0012	-.0161
#2	-.0080	-.0001	-.0001	.0002	-.0021	.0013	.0001	-.0008	-.0163

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0007**	**.0010**	**-.0003**	**-.0024**	**.0181**	**.0016**	**.1369**	**.0019**
Stddev	.0007	.0000	.0004	.0006	.0001	.0029	.0002	.0019	.0031
%RSD	198.2	.1056	41.29	172.6	3.039	15.99	11.66	1.413	164.3
#1	.0008	.0007	.0007	-.0008	-.0024	.0160	.0018	.1355	-.0003
#2	-.0001	.0007	.0013	.0001	-.0023	.0201	.0015	.1382	.0041

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0010**	**.0045**	**.0586**	**.0156**	**.0039**	**-.0005**	**.0133**	**.0326**	**.0240**
Stddev	.0010	.0062	.0063	.0025	.0005	.0001	.0006	.0001	.0006
%RSD	102.4	138.0	10.83	16.10	12.25	27.59	4.804	.1827	2.359
#1	.0017	.0001	.0631	.0138	.0043	-.0004	.0137	.0326	.0244
#2	.0003	.0089	.0541	.0173	.0036	-.0006	.0128	.0326	.0236

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**-.0003**	**.0022**	**24.50**	**.0019**	**.0010**	**.0012**
Stddev	.0000	.0001	.0012	.09	.0002	.0003	.0004
%RSD	1.232	22.82	55.86	.3537	10.37	28.57	33.99
#1	-.0003	-.0003	.0031	24.44	.0020	.0011	.0009
#2	-.0003	-.0004	.0013	24.56	.0018	.0008	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80506.**	**15067.**	**1713.5**	**5713.8**
Stddev	278.	62.	10.6	39.1
%RSD	.34474	.41336	.61646	.68394
#1	80703.	15111.	1706.1	5686.1
#2	80310.	15023.	1721.0	5741.4

Zoom In Zoom Out

Sample Name: mp79847-mb1conf Acquired: 6/6/2014 23:06:15 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0000**	**.0001**	**.0001**	**.0017**	**-.0001**	**.0007**	**.0003**
Stddev	.0001	.000	.000	.0000	.0003	.0003	.0000	.0002	.0002
%RSD	49.70	132.8	1452.	32.52	358.6	16.96	2.429	33.63	73.44
#1	-.0003	.0000	-.0001	.0001	.0003	.0015	-.0001	.0008	.0001
#2	-.0001	.0000	.0001	.0002	-.0001	.0019	-.0001	.0005	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0006**	**-.0007**	**.0031**	**.0015**	**.0007**	**-.0033**	**-.0071**	**.0004**
Stddev	.0002	.0000	.0008	.0008	.0003	.0010	.0002	.0034	.0026
%RSD	269.2	4.514	123.1	26.19	22.66	149.4	6.351	48.34	588.3
#1	-.0001	.0006	-.0012	.0025	.0013	.0000	-.0035	-.0096	.0023
#2	.0002	.0006	-.0001	.0036	.0017	.0014	-.0032	-.0047	-.0014

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**-.0112**	**-.0076**	**.0067**	**.0027**	**-.0009**	**.0004**	**.0002**	**.0003**
Stddev	.0033	.0023	.0111	.0000	.0002	.0002	.0003	.0004	.0001
%RSD	248.7	20.84	145.5	.3556	8.876	21.61	67.26	181.9	39.69
#1	-.0010	-.0129	-.0155	.0066	.0028	-.0008	.0002	.0005	.0004
#2	.0036	-.0096	.0002	.0067	.0025	-.0010	.0006	-.0001	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0001**	**-.0178**	**.0059**	**.0030**	**.0022**	**-.0003**
Stddev	.0000	.0001	.0009	.0001	.0013	.0004	.0008
%RSD	12.46	118.7	5.211	1.053	41.43	18.73	281.7
#1	-.0002	.0002	-.0184	.0059	.0039	.0019	-.0008
#2	-.0002	.0000	-.0171	.0058	.0021	.0025	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82541.**	**14960.**	**1707.1**	**5799.4**
Stddev	28.	15.	4.0	16.0
%RSD	.03373	.10144	.23648	.27570
#1	82560.	14949.	1710.0	5810.7
#2	82521.	14971.	1704.3	5788.1

Zoom In Zoom Out

Sample Name: mp79847-mb2 1 Acquired: 6/6/2014 23:12:31 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0000**	**.0004**	**-.0002**	**.0018**	**.0000**	**.0005**	**.0002**
Stddev	.0001	.000	.0001	.0001	.0001	.0003	.000	.0001	.0001
%RSD	47.47	63.30	428.3	20.73	28.47	14.38	433.0	10.01	34.15
#1	-.0003	.0000	.0000	.0004	-.0002	.0020	.0000	.0005	.0003
#2	-.0001	.0000	.0001	.0005	-.0003	.0016	-.0001	.0006	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0053**	**.0002**	**.0028**	**.0020**	**-.0002**	**-.0024**	**-.0085**	**.0023**
Stddev	.000	.0000	.0005	.0011	.0001	.0006	.0008	.0045	.0003
%RSD	53.39	.2129	230.9	39.24	3.827	389.1	34.04	53.67	12.61
#1	.0000	.0053	-.0001	.0036	.0020	-.0006	-.0030	-.0052	.0021
#2	.0000	.0053	.0006	.0020	.0019	.0003	-.0018	-.0117	.0025

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0051**	**-.0071**	**-.0111**	**-.0009**	**.0019**	**-.0009**	**.0010**	**-.0007**	**.0001**
Stddev	.0006	.0008	.0106	.0011	.0005	.0002	.0001	.0004	.0008
%RSD	12.44	10.74	95.60	123.1	23.92	18.57	5.304	54.18	803.3
#1	.0047	-.0076	-.0036	-.0016	.0016	-.0010	.0009	-.0004	.0007
#2	.0056	-.0066	-.0186	-.0001	.0022	-.0008	.0010	-.0009	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0002**	**-.0189**	**.0021**	**.0023**	**.0027**	**-.0002**
Stddev	.0000	.0001	.0004	.0001	.0017	.0001	.0006
%RSD	10.24	54.41	2.066	3.164	73.75	4.271	359.4
#1	-.0002	-.0001	-.0186	.0021	.0036	.0026	-.0006
#2	-.0002	-.0002	-.0192	.0022	.0011	.0027	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80966.**	**14884.**	**1668.0**	**5684.6**
Stddev	9.	141.	7.1	24.4
%RSD	.01154	.94551	.42780	.42866
#1	80959.	14984.	1673.1	5701.8
#2	80973.	14785.	1663.0	5667.4

Zoom In Zoom Out

Sample Name: mp79847-lc2 Acquired: 6/6/2014 23:18:49 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5049**	**.4686**	**.4836**	**.4441**	**.4592**	**.4562**	**.4876**	**.4736**	**.2108**
Stddev	.0007	.0002	.0014	.0003	.0003	.0001	.0002	.0011	.0003
%RSD	.1417	.0490	.2840	.0630	.0570	.0141	.0330	.2345	.1240
#1	.5044	.4688	.4846	.4439	.4594	.4561	.4878	.4744	.2110
#2	.5054	.4685	.4826	.4443	.4591	.4562	.4875	.4729	.2106

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4411**	**.4816**	**.4924**	**.5210**	**.4843**	**.5481**	**.4871**	**4.843**	**5.137**
Stddev	.0003	.0006	.0015	.0004	.0002	.0013	.0017	.005	.002
%RSD	.0706	.1334	.3129	.0858	.0379	.2322	.3496	.1099	.0288
#1	.4409	.4811	.4935	.5213	.4844	.5490	.4883	4.840	5.136
#2	.4413	.4821	.4913	.5207	.4842	.5472	.4859	4.847	5.138

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.606**	**5.193**	**9.910**	**9.725**	**.0019**	**.4635**	**.0014**	**.0288**	**.0004**
Stddev	.004	.025	.026	.016	.0001	.0002	.0001	.0014	.0004
%RSD	.0648	.4766	.2601	.1617	4.428	.0408	8.016	4.839	88.09
#1	5.609	5.211	9.891	9.714	.0020	.4636	.0013	.0298	.0002
#2	5.604	5.176	9.928	9.736	.0018	.4634	.0015	.0278	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**.4874**	**-.0223**	**.0453**	**.0020**	**.0004**	**.0007**
Stddev	.0000	.0004	.0004	.0036	.0013	.0006	.0001
%RSD	5.362	.0812	1.773	7.862	64.98	160.9	21.45
#1	-.0003	.4871	-.0226	.0478	.0029	.0009	.0008
#2	-.0003	.4876	-.0220	.0428	.0011	-.0001	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79913.**	**14885.**	**1661.4**	**5484.0**
Stddev	96.	16.	4.5	6.9
%RSD	.12040	.10734	.26996	.12499
#1	79981.	14874.	1658.3	5479.1
#2	79844.	14897.	1664.6	5488.8

Zoom In Zoom Out

Sample Name: mp79847-s1 Acquired: 6/6/2014 23:24:56 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.122**	**.0539**	**.0694**	**.5174**	**.2084**	**.2632**	**.5493**	**.5449**	**.0588**
Stddev	.018	.0005	.0002	.0002	.0010	.0008	.0015	.0000	.0009
%RSD	.8683	.9415	.2481	.0396	.4891	.3021	.2692	.0020	1.592
#1	2.109	.0536	.0693	.5172	.2091	.2637	.5504	.5449	.0594
#2	2.135	.0543	.0696	.5175	.2077	.2626	.5483	.5449	.0581

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4989**	**.5490**	**2.272**	**2.205**	**.5415**	**2.540**	**.5551**	**2.068**	**29.94**
Stddev	.0013	.0007	.002	.019	.0009	.006	.0003	.020	.15
%RSD	.2629	.1343	.0815	.8602	.1664	.2359	.0592	.9710	.5084
#1	.4998	.5495	2.273	2.192	.5408	2.535	.5554	2.054	29.83
#2	.4979	.5485	2.271	2.219	.5421	2.544	.5549	2.082	30.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.609**	**27.08**	**29.00**	**114.4**	**.0003**	**.0007**	**-.0011**	**.9330**	**.0027**
Stddev	.011	.21	.23	.5	.0010	.0003	.0005	.0002	.0001
%RSD	.4255	.7592	.7983	.4231	298.6	45.35	49.71	.0259	4.611
#1	2.601	26.93	28.83	114.8	-.0004	.0009	-.0014	.9332	.0028
#2	2.616	27.22	29.16	114.1	.0011	.0005	-.0007	.9329	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0560**	**.0020**	**-.0235**	**.0138**	**19.47**	**.0019**	**.0002**
Stddev	.0005	.0001	.0005	.0004	.07	.0003	.0004
%RSD	.8448	3.431	1.963	2.917	.3750	17.08	166.3
#1	.0557	.0020	-.0231	.0140	19.41	.0021	.0000
#2	.0564	.0019	-.0238	.0135	19.52	.0016	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77312.**	**14806.**	**1605.1**	**5090.6**
Stddev	82.	50.	.5	3.6
%RSD	.10662	.33915	.02863	.07167
#1	77253.	14842.	1604.7	5093.2
#2	77370.	14771.	1605.4	5088.0

Zoom In Zoom Out

Sample Name: mp79847-s2 Acquired: 6/6/2014 23:31:04 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.196**	**.0555**	**.0713**	**.5294**	**.2128**	**.2675**	**.5620**	**.5583**	**.0604**
Stddev	.001	.0002	.0000	.0001	.0002	.0003	.0033	.0003	.0007
%RSD	.0550	.3067	.0313	.0118	.0716	.0952	.5829	.0558	1.077
#1	2.196	.0556	.0713	.5295	.2129	.2673	.5643	.5585	.0609
#2	2.195	.0554	.0713	.5294	.2127	.2677	.5597	.5581	.0599

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5101**	**.5606**	**2.331**	**2.263**	**.5534**	**2.605**	**.5702**	**2.131**	**30.54**
Stddev	.0008	.0017	.001	.007	.0022	.003	.0001	.003	.17
%RSD	.1617	.3108	.0513	.3180	.3996	.1082	.0228	.1251	.5539
#1	.5107	.5618	2.332	2.268	.5550	2.603	.5703	2.129	30.66
#2	.5095	.5593	2.331	2.258	.5519	2.607	.5701	2.133	30.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.684**	**27.75**	**29.89**	**118.1**	**-.0002**	**.0002**	**-.0004**	**.9649**	**.0025**
Stddev	.014	.04	.02	1.3	.0007	.0000	.0002	.0017	.0002
%RSD	.5330	.1334	.0695	1.087	269.8	24.81	56.55	.1782	9.138
#1	2.695	27.73	29.91	119.0	-.0007	.0001	-.0006	.9637	.0023
#2	2.674	27.78	29.88	117.2	.0002	.0002	-.0003	.9661	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0579**	**.0021**	**-.0236**	**.0087**	**19.98**	**.0019**	**.0003**
Stddev	.0000	.0001	.0001	.0000	.03	.0005	.0002
%RSD	.0256	4.693	.4014	.5439	.1461	27.87	60.69
#1	.0579	.0022	-.0237	.0088	20.00	.0015	.0004
#2	.0579	.0020	-.0235	.0087	19.96	.0023	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77145.**	**14732.**	**1597.1**	**5063.5**
Stddev	328.	31.	3.4	10.2
%RSD	.42471	.20925	.21388	.20141
#1	76913.	14711.	1599.6	5070.7
#2	77377.	14754.	1594.7	5056.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/6/2014 23:37:13 Type: QC
Method: Accutest1(v125) 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	**2.023**	**2.003**	**1.974**	**1.927**	**1.925**	**1.981**	**1.996**	**1.990**	**.2478**
Stddev	.001	.004	.002	.000	.002	.000	.001	.001	.0006
%RSD	.0237	.2121	.0918	.0028	.1097	.0132	.0418	.0503	.2498
#1	2.023	2.006	1.973	1.927	1.924	1.981	1.996	1.990	.2483
#2	2.023	2.000	1.976	1.927	1.927	1.981	1.995	1.991	.2474
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	**1.941**	**1.966**	**2.013**	**2.083**	**1.958**	**2.083**	**2.040**	**39.74**	**37.72**
Stddev	.004	.004	.002	.002	.002	.002	.001	.00	.12
%RSD	.1886	.2097	.0795	.1033	.0879	.0746	.0533	.0110	.3249
#1	1.939	1.963	2.012	2.082	1.959	2.082	2.039	39.75	37.81
#2	1.944	1.969	2.014	2.085	1.957	2.084	2.040	39.74	37.64
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**	**37.83**	**39.51**	**39.07**	**2.088**	**2.010**	**1.996**	**5.140**	**2.056**
Stddev	.15	.18	.03	.01	.001	.003	.000	.006	.006
%RSD	.3696	.4815	.0781	.0366	.0464	.1647	.0133	.1162	.3083
#1	39.76	37.96	39.53	39.08	2.087	2.008	1.996	5.136	2.051
#2	39.56	37.70	39.49	39.06	2.089	2.012	1.995	5.144	2.060
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: 6/6/2014 23:37:13 Type: QC
Method: Accutest1(v125) 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	**2.083**	**2.010**	F **1.769**	**2.010**	**2.026**	**2.082**	**2.029**
Stddev	.002	.001	.020	.005	.006	.002	.002
%RSD	.1099	.0402	1.139	.2274	.3131	.0984	.0757
#1	2.085	2.011	1.754	2.013	2.021	2.080	2.031
#2	2.082	2.009	1.783	2.006	2.030	2.083	2.028
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	**78497.**	**14623.**	**1634.2**	**5152.2**
Stddev	122.	75.	.4	4.1
%RSD	.15482	.51157	.02398	.07891
#1	78411.	14570.	1633.9	5149.4
#2	78583.	14676.	1634.4	5155.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 23:43:16 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0004**	**.0006**	**.0007**	**.0007**	**.0007**	**.0005**	**.0005**	**.0003**
Stddev	.0002	.0001	.0002	.0003	.0002	.0002	.0000	.0000	.0002
%RSD	47.42	27.53	41.17	43.06	29.27	33.40	3.924	3.624	59.20
#1	.0002	.0003	.0004	.0005	.0008	.0008	.0005	.0005	.0002
#2	.0005	.0005	.0007	.0009	.0005	.0005	.0005	.0005	.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**	**.0002**	**.0012**	**.0017**	**.0012**	**.0016**	**-.0016**	**-.0018**	**.0109**
Stddev	.0004	.0000	.0001	.0015	.0007	.0009	.0010	.0001	.0013
%RSD	94.80	18.38	10.86	86.40	57.58	54.19	65.58	5.445	11.84
#1	.0007	.0002	.0011	.0007	.0017	.0010	-.0023	-.0018	.0118
#2	.0001	.0002	.0013	.0028	.0007	.0022	-.0008	-.0019	.0100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**.0097**	**.0171**	**.0191**	**.0032**	**.0015**	**.0009**	**.0033**	**.0006**
Stddev	.0042	.0180	.0068	.0016	.0008	.0003	.0006	.0003	.0000
%RSD	45.23	186.0	39.70	8.370	24.39	22.02	69.28	7.820	8.682
#1	.0063	.0224	.0219	.0180	.0038	.0017	.0013	.0031	.0006
#2	.0122	-.0030	.0123	.0202	.0027	.0012	.0004	.0035	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/6/2014 23:43:16 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0007**	**.0041**	**.0010**	**.0017**	**.0013**	**.0006**
Stddev	.0002	.0001	.0014	.0000	.0007	.0003	.0001
%RSD	62.84	19.17	34.57	4.435	40.24	19.18	14.14
#1	.0002	.0008	.0051	.0010	.0012	.0012	.0005
#2	.0004	.0006	.0031	.0010	.0022	.0015	.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	**84247.**	**14981.**	**1718.1**	**5768.0**
Stddev	87.	26.	4.8	16.8
%RSD	.10309	.17501	.28172	.29061
#1	84186.	14962.	1721.5	5779.8
#2	84308.	14999.	1714.7	5756.1

Zoom In Zoom Out

Sample Name: jb68239-1 Acquired: 6/6/2014 23:49:36 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0079**	**.0002**	**.0002**	**.0007**	**.0005**	**.0020**	**.0084**	**.0006**	**.0005**
Stddev	.0001	.0000	.0002	.0000	.0001	.0002	.0000	.0002	.0001
%RSD	1.220	2.924	86.54	6.855	22.07	7.592	.2612	26.84	23.60
#1	.0079	.0002	.0003	.0007	.0006	.0019	.0085	.0007	.0005
#2	.0078	.0002	.0001	.0007	.0005	.0021	.0084	.0005	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0030**	**-.0004**	**.0023**	**.0035**	**-.0017**	**-.0028**	**.0007**	**6.045**
Stddev	.0003	.0001	.0005	.0004	.0002	.0012	.0006	.0002	.031
%RSD	36.97	2.371	138.9	17.85	6.371	70.65	20.30	23.51	.5184
#1	.0005	.0029	.0000	.0020	.0037	-.0008	-.0024	.0006	6.067
#2	.0009	.0030	-.0007	.0026	.0033	-.0025	-.0032	.0008	6.023

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.565**	**1.709**	**3.077**	**94.08**	**.0023**	**-.0003**	**.0002**	**.9688**	**.0007**
Stddev	.007	.023	.007	.03	.0005	.0000	.0006	.0098	.0011
%RSD	.4282	1.354	.2407	.0316	19.90	5.967	350.3	1.014	166.3
#1	1.569	1.725	3.083	94.10	.0026	-.0003	-.0002	.9758	-.0001
#2	1.560	1.693	3.072	94.06	.0020	-.0003	.0005	.9619	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0582**	**.0007**	**-.0103**	**.0018**	**20.38**	**.0027**	**.0004**
Stddev	.0001	.0003	.0007	.0001	.10	.0011	.0005
%RSD	.2447	42.38	6.936	6.121	.4942	39.18	121.3
#1	.0583	.0009	-.0098	.0019	20.45	.0020	.0008
#2	.0581	.0005	-.0108	.0017	20.31	.0035	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81030.**	**15020.**	**1625.1**	**5253.6**
Stddev	358.	106.	6.4	9.6
%RSD	.44158	.70685	.39419	.18185
#1	80777.	14945.	1620.5	5246.8
#2	81283.	15095.	1629.6	5260.4

Zoom In Zoom Out

Sample Name: mp79847-sd1 Acquired: 6/6/2014 23:55:52 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0068**	**.0003**	**-.0001**	**.0018**	**.0019**	**.0070**	**.0084**	**.0023**	**.0026**
Stddev	.0004	.0001	.0002	.0001	.0003	.0000	.0004	.0001	.0002
%RSD	6.509	32.01	363.8	6.372	15.32	.1228	4.226	4.584	7.477
#1	.0071	.0003	.0001	.0017	.0021	.0070	.0086	.0024	.0025
#2	.0065	.0002	-.0002	.0019	.0017	.0070	.0081	.0022	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0041**	**.0003**	**.0021**	**.0042**	**.0009**	**-.0107**	**-.0359**	**6.180**
Stddev	.0016	.0002	.0027	.0049	.0016	.0026	.0032	.0115	.029
%RSD	467.6	5.305	865.5	228.4	37.10	302.7	29.51	32.05	.4727
#1	.0015	.0042	-.0016	-.0013	.0031	.0027	-.0129	-.0277	6.160
#2	-.0008	.0039	.0022	.0056	.0053	-.0010	-.0085	-.0440	6.201

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.607**	**1.688**	**3.050**	**94.30**	**.0075**	**-.0036**	**-.0011**	**1.012**	**.0040**
Stddev	.005	.129	.039	.07	.0005	.0002	.0009	.004	.0004
%RSD	.2998	7.619	1.273	.0703	6.382	6.301	79.22	.4281	11.11
#1	1.610	1.597	3.077	94.26	.0072	-.0038	-.0005	1.009	.0037
#2	1.603	1.778	3.022	94.35	.0078	-.0035	-.0018	1.015	.0043

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0580**	**.0016**	**-.0694**	**.0003**	**18.86**	**.0084**	**.0020**
Stddev	.0001	.0006	.0018	.0003	.00	.0000	.0039
%RSD	.2359	40.37	2.613	120.5	.0149	.5626	190.0
#1	.0581	.0021	-.0681	.0005	18.86	.0084	.0048
#2	.0579	.0011	-.0707	.0000	18.86	.0084	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81115.**	**14638.**	**1668.8**	**5538.7**
Stddev	111.	58.	2.4	20.1
%RSD	.13660	.39665	.14596	.36308
#1	81036.	14679.	1670.5	5552.9
#2	81193.	14597.	1667.0	5524.5

Zoom In Zoom Out

Sample Name: mp79847-s3 Acquired: 6/7/2014 0:02:08 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.375**	**.0543**	**.0730**	**.5300**	**.2085**	**.2742**	**3.280**	**.5579**	**.0610**
Stddev	.003	.0000	.0003	.0014	.0009	.0010	.005	.0013	.0005
%RSD	.1322	.0222	.4140	.2678	.4312	.3692	.1632	.2287	.7666
#1	2.378	.0543	.0728	.5290	.2091	.2735	3.276	.5570	.0607
#2	2.373	.0543	.0733	.5310	.2079	.2750	3.284	.5588	.0614

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5005**	**.5381**	**2.368**	**2.147**	**.5504**	**2.638**	**.5777**	**2.198**	**234.2**
Stddev	.0005	.0000	.010	.012	.0002	.017	.0009	.000	.2
%RSD	.1099	.0007	.4408	.5710	.0414	.6383	.1607	.0158	.0909
#1	.5001	.5381	2.360	2.138	.5505	2.626	.5771	2.198	234.1
#2	.5009	.5381	2.375	2.156	.5502	2.650	.5784	2.197	234.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.109**	**57.07**	**29.70**	**230.4**	**.1197**	**.0026**	**-.0122**	**8.322**	**.0027**
Stddev	.001	.11	.03	.4	.0009	.0002	.0014	.007	.0005
%RSD	.0688	.1969	.1094	.1744	.7726	6.644	11.11	.0837	20.11
#1	1.110	57.15	29.68	230.6	.1204	.0024	-.0112	8.317	.0031
#2	1.109	56.99	29.73	230.1	.1191	.0027	-.0131	8.327	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9113**	**.0027**	**-.0168**	**.0088**	**67.58**	**.0024**	**.0052**
Stddev	.0026	.0004	.0019	.0001	.20	.0003	.0005
%RSD	.2848	14.85	11.59	1.543	.2951	10.87	9.369
#1	.9132	.0029	-.0154	.0087	67.44	.0023	.0056
#2	.9095	.0024	-.0182	.0089	67.72	.0026	.0049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74449.**	**14423.**	**1511.6**	**4662.1**
Stddev	343.	3.	3.9	16.1
%RSD	.46052	.01999	.26003	.34580
#1	74691.	14425.	1514.4	4673.5
#2	74206.	14421.	1508.8	4650.7

Zoom In Zoom Out

Sample Name: jb68237-2 Acquired: 6/7/2014 0:08:24 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0385**	**.0005**	**.0012**	**.0034**	**.0040**	**.0080**	**.3261**	**.0117**	**.0005**
Stddev	.0021	.0001	.0003	.0007	.0001	.0005	.0053	.0008	.0002
%RSD	5.531	29.19	23.91	20.25	2.931	6.453	1.610	6.712	39.50
#1	.0369	.0004	.0010	.0039	.0039	.0076	.3224	.0112	.0004
#2	.0400	.0006	.0014	.0029	.0041	.0084	.3298	.0123	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0066**	**-.0001**	**.0188**	**.0018**	**.0127**	**-.0018**	**-.0053**	**-.0142**	**132.6**
Stddev	.0008	.0001	.0050	.0049	.0014	.0001	.0005	.0154	5.4
%RSD	12.23	175.9	26.47	281.8	11.18	3.377	8.701	108.6	4.072
#1	.0060	.0000	.0153	-.0017	.0117	-.0018	-.0050	-.0251	128.8
#2	.0072	-.0002	.0223	.0052	.0138	-.0018	-.0056	-.0033	136.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0738**	**151.7**	**27.41**	**1135.**	**.8415**	**.0040**	**-.0084**	**12.19**	**.0081**
Stddev	.0008	5.8	1.04	62.	.0357	.0004	.0031	.50	.0016
%RSD	1.134	3.849	3.804	5.491	4.239	10.21	37.25	4.072	19.32
#1	.0732	147.5	26.67	1091.	.8163	.0043	-.0106	11.84	.0070
#2	.0744	155.8	28.15	1179.	.8667	.0037	-.0062	12.54	.0092

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.015**	**-.0001**	**-.0510**	**.0213**	**229.8**	**.0053**	**.0420**
Stddev	.078	.0001	.0017	.0010	9.7	.0016	.0003
%RSD	3.856	139.2	3.415	4.779	4.215	29.97	.6998
#1	1.960	.0000	-.0522	.0205	223.0	.0064	.0418
#2	2.070	-.0001	-.0497	.0220	236.7	.0041	.0422

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74482.**	**14268.**	**1518.1**	**4621.0**
Stddev	454.	21.	13.9	43.8
%RSD	.60922	.14841	.91617	.94862
#1	74803.	14283.	1528.0	4652.0
#2	74161.	14253.	1508.3	4590.0

Zoom In Zoom Out

Sample Name: jb68239-2 Acquired: 6/7/2014 0:14:41 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0383**	**.0001**	**.0009**	**.0019**	**.0005**	**.0033**	**.3382**	**.0011**	**.0017**
Stddev	.0002	.0000	.0001	.0000	.0000	.0001	.0004	.0004	.0001
%RSD	.6098	12.73	13.94	1.470	8.164	2.964	.1312	35.16	6.464
#1	.0381	.0001	.0008	.0019	.0005	.0032	.3385	.0009	.0016
#2	.0385	.0001	.0010	.0019	.0005	.0034	.3379	.0014	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0109**	**.0020**	**.0018**	**.0015**	**.0012**	**-.0021**	**.0193**	**7.318**
Stddev	.0001	.0000	.0005	.0001	.0010	.0008	.0004	.0051	.010
%RSD	62.06	.1223	25.57	7.776	64.67	67.28	19.95	26.33	.1418
#1	.0001	.0109	.0024	.0017	.0022	.0006	-.0024	.0157	7.311
#2	.0002	.0109	.0017	.0019	.0008	.0018	-.0018	.0229	7.326

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.09**	**1.788**	**3.069**	**24.47**	**.0167**	**-.0019**	**-.0012**	**1.893**	**.0019**
Stddev	.01	.014	.001	.06	.0002	.0001	.0006	.007	.0007
%RSD	.0603	.7535	.0463	.2567	1.058	3.654	53.89	.3686	38.12
#1	20.10	1.798	3.070	24.43	.0166	-.0019	-.0017	1.888	.0014
#2	20.08	1.779	3.068	24.52	.0168	-.0020	-.0007	1.898	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0746**	**.0003**	**-.0191**	**-.0008**	**4.430**	**.0028**	**.0001**
Stddev	.0001	.0002	.0003	.0001	.015	.0008	.0002
%RSD	.1676	78.38	1.601	7.649	.3479	29.21	197.1
#1	.0745	.0001	-.0189	-.0008	4.419	.0034	.0002
#2	.0747	.0004	-.0193	-.0009	4.441	.0022	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81136.**	**14911.**	**1645.8**	**5497.7**
Stddev	108.	24.	9.8	35.7
%RSD	.13348	.16303	.59796	.64874
#1	81212.	14928.	1652.7	5522.9
#2	81059.	14894.	1638.8	5472.5

Zoom In Zoom Out

Sample Name: jb68239-3 Acquired: 6/7/2014 0:20:53 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0071**	**.0001**	**.0001**	**.0007**	**.0001**	**.0024**	**.0393**	**.0008**	**.0005**
Stddev	.0001	.0000	.0002	.0002	.0001	.0002	.0001	.0001	.0001
%RSD	1.327	15.86	141.9	31.85	61.44	7.745	.1583	9.661	25.01
#1	.0070	.0001	.0000	.0006	.0002	.0023	.0393	.0009	.0006
#2	.0071	.0001	.0003	.0009	.0001	.0026	.0394	.0008	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0003**	**.0006**	**.0006**	**.0012**	**.0013**	**-.0029**	**-.0053**	**5.907**
Stddev	.0002	.0001	.0004	.0000	.0004	.0001	.0012	.0011	.004
%RSD	29.67	39.98	62.23	5.903	29.00	11.27	39.92	20.65	.0741
#1	.0008	.0002	.0009	.0006	.0015	.0012	-.0021	-.0045	5.910
#2	.0005	.0004	.0003	.0006	.0010	.0014	-.0038	-.0061	5.904

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.438**	**1.601**	**2.916**	**90.53**	**.0162**	**-.0007**	**-.0001**	**.9116**	**.0006**
Stddev	.000	.011	.003	.07	.0003	.0001	.0005	.0017	.0003
%RSD	.0184	.6911	.1166	.0784	1.911	8.912	546.5	.1875	41.76
#1	2.437	1.609	2.919	90.58	.0160	-.0008	-.0004	.9104	.0008
#2	2.438	1.593	2.914	90.48	.0164	-.0007	.0003	.9128	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0546**	**.0007**	**-.0193**	**.0000**	**6.989**	**.0022**	**-.0005**
Stddev	.0001	.0002	.0000	.0001	.010	.0007	.0003
%RSD	.1341	22.80	.0131	268.9	.1424	31.01	66.34
#1	.0546	.0006	-.0193	.0000	6.982	.0027	-.0003
#2	.0547	.0008	-.0193	.0001	6.996	.0017	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80311.**	**14958.**	**1609.2**	**5203.6**
Stddev	118.	.	8.5	30.5
%RSD	.14650	.00204	.52620	.58622
#1	80395.	14957.	1615.2	5225.2
#2	80228.	14958.	1603.2	5182.0

Zoom In Zoom Out

Sample Name: jb68239-4 Acquired: 6/7/2014 0:27:04 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa rerun Ag 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0075**	**.0000**	**.0001**	**.0004**	**.0004**	**.0021**	**.0082**	**.0006**	**.0006**
Stddev	.0000	.0000	.0000	.0001	.0001	.0001	.0000	.0003	.0003
%RSD	.4750	20.98	33.45	28.17	31.29	6.535	.1872	55.14	56.57
#1	.0075	.0000	.0001	.0005	.0005	.0022	.0082	.0008	.0003
#2	.0075	.0000	.0002	.0003	.0003	.0020	.0082	.0003	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0031**	**-.0003**	**.0025**	**.0014**	**-.0001**	**-.0023**	**-.0060**	**5.901**
Stddev	.0001	.0000	.0006	.0016	.0003	.0010	.0003	.0016	.037
%RSD	28.93	.9980	197.9	63.76	19.75	893.8	13.51	26.92	.6254
#1	.0004	.0031	-.0008	.0013	.0012	.0006	-.0021	-.0049	5.927
#2	.0005	.0032	.0001	.0036	.0016	-.0008	-.0025	-.0072	5.875

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.561**	**1.636**	**2.986**	**91.71**	**.0009**	**-.0009**	**-.0005**	**.9198**	**.0021**
Stddev	.007	.004	.007	.35	.0000	.0003	.0009	.0047	.0005
%RSD	.4700	.2751	.2312	.3807	2.421	30.66	161.2	.5110	24.54
#1	1.567	1.633	2.991	91.96	.0009	-.0011	.0001	.9165	.0017
#2	1.556	1.639	2.981	91.47	.0009	-.0007	-.0012	.9231	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0554**	**.0005**	**-.0205**	**.0012**	**19.20**	**.0033**	**-.0003**
Stddev	.0002	.0002	.0004	.0000	.06	.0004	.0002
%RSD	.4205	35.63	2.112	.4383	.3308	12.05	53.40
#1	.0556	.0004	-.0202	.0012	19.16	.0030	-.0002
#2	.0553	.0007	-.0209	.0012	19.25	.0035	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79350.**	**14741.**	**1628.3**	**5252.2**
Stddev	470.	70.	12.8	35.7
%RSD	.59172	.47285	.78338	.67910
#1	79682.	14692.	1637.3	5277.4
#2	79018.	14790.	1619.3	5227.0

Zoom In Zoom Out

Sample Name: mp79870-mb1conf Acquired: 6/7/2014 0:33:19 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0001**	**.0001**	**.0002**	**.0008**	**.0000**	**-.0001**	**.0004**
Stddev	.0000	.000	.0001	.0000	.0001	.0000	.000	.0003	.0001
%RSD	13.24	494.2	98.15	5.297	76.52	5.071	768.7	242.3	16.27
#1	-.0002	.0000	.0000	.0001	.0001	.0008	.0000	-.0004	.0004
#2	-.0002	.0000	.0002	.0001	.0002	.0008	.0000	.0001	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0003**	**-.0004**	**-.0001**	**.0009**	**.0029**	**-.0016**	**-.0073**	**.0043**
Stddev	.0002	.0001	.0000	.0005	.0001	.0032	.0001	.0031	.0004
%RSD	30.84	34.31	5.991	389.6	13.01	107.9	8.526	42.30	8.528
#1	-.0006	.0003	-.0004	-.0004	.0010	.0052	-.0015	-.0051	.0041
#2	-.0004	.0002	-.0004	.0002	.0009	.0007	-.0017	-.0094	.0046

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0020**	**-.0223**	**.0132**	**.0262**	**.0012**	**-.0005**	**.0009**	**.0176**	**.0003**
Stddev	.0005	.0052	.0092	.0008	.0003	.0000	.0007	.0003	.0002
%RSD	24.45	23.46	69.89	3.040	26.63	1.010	78.00	1.812	66.94
#1	.0016	-.0186	.0197	.0257	.0010	-.0005	.0004	.0174	.0005
#2	.0023	-.0260	.0067	.0268	.0014	-.0005	.0014	.0178	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0003**	**-.0134**	**-.0001**	**.0018**	**.0004**	**.0003**
Stddev	.0000	.0002	.0001	.0000	.0010	.0004	.0008
%RSD	16.36	70.10	1.009	55.87	57.07	81.01	226.2
#1	-.0002	.0002	-.0135	-.0001	.0011	.0007	-.0002
#2	-.0003	.0005	-.0133	.0000	.0026	.0002	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82958.**	**14846.**	**1685.1**	**5689.2**
Stddev	5.	20.	6.4	11.5
%RSD	.00641	.13493	.38221	.20229
#1	82962.	14832.	1689.7	5697.4
#2	82954.	14860.	1680.6	5681.1

Zoom In Zoom Out

Sample Name: jb68147-21 2 Acquired: 6/7/2014 0:39:37 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0001**	**.0000**	**.0004**	**.0008**	**.0002**	**.0002**	**.0001**
Stddev	.0002	.000	.0000	.0001	.0002	.0000	.0000	.0001	.0001
%RSD	79.59	75.05	4.514	299.3	40.60	2.051	4.207	39.77	118.0
#1	-.0001	.0000	.0001	.0000	.0005	.0008	.0002	.0001	.0002
#2	-.0003	.0000	.0001	.0001	.0003	.0008	.0002	.0002	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0025**	**-.0002**	**.0003**	**.0010**	**.0020**	**-.0017**	**-.0055**	**.0155**
Stddev	.0002	.0000	.0003	.0000	.0001	.0001	.0001	.0039	.0022
%RSD	153.5	1.088	133.8	6.023	8.539	3.838	5.193	71.53	14.00
#1	-.0003	.0025	-.0004	.0003	.0010	.0020	-.0018	-.0082	.0170
#2	.0000	.0026	.0000	.0003	.0009	.0021	-.0017	-.0027	.0140

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0044**	**-.0053**	**.0010**	**.0176**	**.0008**	**-.0008**	**.0002**	**.0147**	**.0011**
Stddev	.0008	.0140	.0137	.0051	.0005	.0000	.0008	.0002	.0003
%RSD	19.08	261.2	1351.	28.82	65.29	.6573	326.4	1.219	25.67
#1	.0050	.0045	.0107	.0140	.0011	-.0008	-.0003	.0146	.0013
#2	.0038	-.0152	-.0087	.0212	.0004	-.0008	.0008	.0148	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0184**	**-.0006**	**.0061**	**.0008**	**.0002**
Stddev	.0001	.0000	.0002	.0000	.0021	.0003	.0003
%RSD	61.02	7.259	.9676	1.766	33.49	35.13	150.3
#1	-.0001	-.0001	-.0183	-.0006	.0047	.0006	.0004
#2	-.0002	-.0001	-.0185	-.0006	.0076	.0010	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82465.**	**14593.**	**1683.9**	**5664.4**
Stddev	152.	7.	7.1	18.0
%RSD	.18423	.04582	.42161	.31712
#1	82573.	14598.	1688.9	5677.1
#2	82358.	14589.	1678.9	5651.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 0:45:55 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.995**	**1.968**	**1.925**	**1.919**	**1.961**	**1.995**	**1.989**	**.2470**
Stddev	.004	.003	.005	.006	.006	.002	.008	.006	.0012
%RSD	.1850	.1249	.2768	.3248	.3088	.1100	.3891	.3098	.4847
#1	2.005	1.994	1.964	1.920	1.915	1.963	1.989	1.985	.2462
#2	2.000	1.997	1.972	1.929	1.923	1.960	2.000	1.993	.2479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.931**	**1.955**	**2.004**	**2.068**	**1.956**	**2.068**	**2.022**	**39.52**	**37.69**
Stddev	.004	.009	.006	.007	.000	.001	.000	.01	.08
%RSD	.2307	.4469	.2863	.3368	.0099	.0578	.0186	.0380	.2162
#1	1.928	1.948	2.000	2.063	1.956	2.069	2.022	39.53	37.64
#2	1.934	1.961	2.008	2.073	1.957	2.067	2.022	39.51	37.75
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	**39.39**	**37.74**	**39.29**	**38.90**	**2.075**	**1.994**	**1.986**	**5.097**	**2.050**
Stddev	.10	.13	.00	.04	.004	.005	.003	.004	.006
%RSD	.2608	.3554	.0101	.0899	.2036	.2486	.1699	.0833	.2793
#1	39.32	37.64	39.29	38.92	2.073	1.991	1.984	5.094	2.046
#2	39.46	37.83	39.29	38.87	2.078	1.998	1.988	5.100	2.054
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: 6/7/2014 0:45:55 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.007**	F **1.755**	**2.001**	**1.997**	**2.065**	**2.008**
Stddev	.001	.005	.023	.006	.003	.002	.001
%RSD	.0484	.2691	1.287	.2865	.1557	.0787	.0691
#1	2.059	2.003	1.739	1.997	1.995	2.064	2.007
#2	2.061	2.011	1.771	2.005	2.000	2.066	2.009
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	**79222.**	**14574.**	**1649.6**	**5187.4**
Stddev	154.	45.	1.3	3.6
%RSD	.19443	.30560	.08080	.06863
#1	79331.	14606.	1650.6	5189.9
#2	79113.	14543.	1648.7	5184.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 0:51:58 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0003**	**.0004**	**.0003**	**.0006**	F **.0020**	**.0004**	**.0004**	**.0003**
Stddev	.0000	.0000	.0001	.0002	.0004	.0002	.0000	.0000	.0003
%RSD	11.68	12.15	14.29	47.04	65.98	8.790	1.132	4.920	98.72
#1	.0002	.0003	.0004	.0002	.0008	.0022	.0004	.0003	.0005
#2	.0001	.0003	.0005	.0005	.0003	.0019	.0004	.0004	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0018			
Low Limit						-.0018			

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0004**	**.0008**	**-.0001**	**.0003**	**-.0018**	**.0000**	**.0049**
Stddev	.0003	.0002	.0001	.0000	.0004	.0009	.0004	.0000	.0018
%RSD	106.7	82.10	16.28	1.199	480.6	307.8	21.51	95.25	36.86
#1	.0001	.0005	.0005	.0008	-.0004	.0009	-.0015	.0000	.0036
#2	.0006	.0001	.0004	.0008	.0002	-.0003	-.0021	.0000	.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	**.0064**	**-.0109**	**.0073**	**.0172**	**.0017**	**.0013**	**.0011**	**.0031**	**.0007**
Stddev	.0006	.0055	.0095	.0030	.0000	.0004	.0000	.0007	.0003
%RSD	9.625	50.34	130.2	17.32	.7671	33.81	1.248	21.93	48.60
#1	.0069	-.0148	.0006	.0151	.0017	.0016	.0011	.0036	.0005
#2	.0060	-.0070	.0141	.0193	.0017	.0010	.0011	.0026	.0009
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: 6/7/2014 0:51:58 Type: QC
Method: Accutest1(v125) 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**	**.0066**	F **.0011**	**.0014**	**.0013**	**.0009**
Stddev	.0000	.0000	.0021	.0001	.0016	.0003	.0009
%RSD	29.46	3.374	32.20	5.097	115.7	21.39	104.0
#1	.0001	.0005	.0082	.0012	.0026	.0011	.0002
#2	.0001	.0005	.0051	.0011	.0003	.0015	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80893.**	**14693.**	**1706.0**	**5701.1**
Stddev	219.	10.	1.1	1.8
%RSD	.27037	.06844	.06706	.03100
#1	81047.	14686.	1705.2	5702.3
#2	80738.	14700.	1706.8	5699.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/7/2014 0:58:18 Type: QC
Method: Accutest1(v125) Mode: 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	**.2025**	**.0022**	F **.0040**	**.0503**	**.0104**	**.0118**	**.0164**	**.0103**	**.0056**
Stddev	.0003	.0000	.0001	.0001	.0000	.0001	.0000	.0002	.0002
%RSD	.1686	.3305	1.396	.2015	.4202	.7055	.0817	1.549	3.538
#1	.2028	.0022	.0040	.0502	.0103	.0119	.0164	.0102	.0058
#2	.2023	.0022	.0039	.0504	.0104	.0117	.0165	.0104	.0055
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0030						
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	**.0500**	**.0225**	**.0092**	**.0109**	**.0024**	**.0125**	**.0051**	**.1928**	**4.587**
Stddev	.0000	.0001	.0001	.0004	.0005	.0014	.0005	.0070	.012
%RSD	.0895	.6480	1.013	3.697	23.09	11.48	9.580	3.617	.2660
#1	.0500	.0224	.0091	.0112	.0027	.0115	.0054	.1878	4.579
#2	.0500	.0226	.0092	.0106	.0020	.0135	.0047	.1977	4.596
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	**.1082**	**4.896**	**5.031**	**4.735**	**.1109**	**.0212**	**.0565**	**.2218**	**.0125**
Stddev	.0019	.010	.008	.009	.0009	.0001	.0002	.0002	.0002
%RSD	1.765	.1953	.1675	.1927	.8085	.4934	.2846	.0813	1.361
#1	.1069	4.903	5.025	4.741	.1103	.0212	.0564	.2217	.0126
#2	.1096	4.889	5.037	4.728	.1115	.0213	.0566	.2220	.0124
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: 6/7/2014 0:58:18 Type: QC
Method: Accutest1(v125) 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**	**.0114**	**.0453**	**.0130**	**.0514**	**.0237**	**.0224**
Stddev	.0000	.0001	.0001	.0002	.0013	.0008	.0001
%RSD	.0144	1.276	.1226	1.912	2.589	3.282	.2408
#1	.0109	.0113	.0453	.0131	.0504	.0232	.0225
#2	.0109	.0115	.0453	.0128	.0523	.0243	.0224
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	**80171.**	**14817.**	**1681.1**	**5552.4**
Stddev	216.	46.	8.6	29.7
%RSD	.26901	.31050	.51285	.53497
#1	80324.	14849.	1687.2	5573.4
#2	80019.	14784.	1675.0	5531.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 1:04:32 Type: QC
Method: Accutest1(v125) Mode: 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	**.0039**	**.0011**	**.0013**	**.0032**	**.0019**	F **.0033**	**.0032**	**.0043**	**.0012**
Stddev	.0001	.0000	.0000	.0002	.0001	.0000	.0000	.0000	.0000
%RSD	2.247	2.411	1.651	6.839	4.764	1.368	1.424	.8886	.6023
#1	.0040	.0010	.0013	.0034	.0018	.0033	.0032	.0043	.0012
#2	.0039	.0011	.0013	.0031	.0019	.0033	.0033	.0043	.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	**.0017**	F **.0130**	**.0030**	**.0026**	F **.0039**	F **.0072**	**.0022**	**.0977**	**.9725**
Stddev	.0001	.0002	.0007	.0003	.0004	.0001	.0003	.0032	.0039
%RSD	5.309	1.355	24.73	9.698	11.08	1.759	11.70	3.279	.4059
#1	.0017	.0131	.0035	.0024	.0042	.0073	.0020	.0955	.9697
#2	.0016	.0129	.0025	.0028	.0036	.0071	.0023	.1000	.9753
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.0100			.0025	.0050			
Range		30.00%			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	**.0027**	**.0834**	**2.075**	**1.016**	**.0111**	**-.0006**	**.0002**	**.0011**	**.0003**
Stddev	.0021	.0246	.001	.006	.0001	.0000	.0004	.0009	.0001
%RSD	79.99	29.44	.0471	.5498	1.255	.3929	243.8	80.71	35.51
#1	.0042	.1008	2.074	1.012	.0110	-.0006	.0004	.0018	.0002
#2	.0012	.0661	2.075	1.020	.0112	-.0006	-.0001	.0005	.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 1:04:32 Type: QC
Method: Accutest1(v125) 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**	**-.0001**	**-.0119**	**-.0003**	**.0030**	**.0005**	**-.0003**
Stddev	.0000	.0002	.0001	.0000	.0005	.0001	.0009
%RSD	5.935	117.5	1.175	.0368	16.91	31.65	263.3
#1	-.0002	-.0003	-.0118	-.0003	.0027	.0004	.0003
#2	-.0002	.0000	-.0120	-.0003	.0034	.0006	-.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	**81654.**	**14767.**	**1713.0**	**5722.2**
Stddev	10.	54.	1.5	6.6
%RSD	.01191	.36331	.08486	.11481
#1	81660.	14805.	1712.0	5717.6
#2	81647.	14729.	1714.0	5726.8

Zoom In Zoom Out

Sample Name: cria Acquired: 6/7/2014 1:10:51 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0003**	**.0001**	**.0001**	**.0014**	**-.0001**	**.0002**	**.0003**
Stddev	.0001	.000	.0001	.0001	.0001	.0000	.0000	.0001	.0002
%RSD	38.26	583.6	53.18	39.49	78.98	.6552	14.74	43.85	69.51
#1	-.0001	.0000	.0002	.0001	.0002	.0014	-.0001	.0001	.0002
#2	-.0002	.0000	.0004	.0002	.0001	.0013	-.0001	.0003	.0004
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**	**.0013**	**.0200**	**.0001**	**.0209**	**.0243**	**.0185**	**.4766**	**.0049**
Stddev	.0002	.0000	.0002	.0003	.0005	.0007	.0002	.0052	.0014
%RSD	100.5	2.112	1.045	453.4	2.524	2.694	.9398	1.088	27.76
#1	.0000	.0013	.0202	-.0001	.0213	.0239	.0186	.4802	.0039
#2	-.0003	.0013	.0199	.0003	.0205	.0248	.0184	.4729	.0059
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	**.5259**	**-.0138**	**-.0105**	**.0098**	**.0007**	**-.0007**	**.0009**	**.0023**	**.0004**
Stddev	.0045	.0022	.0043	.0011	.0001	.0002	.0003	.0007	.0005
%RSD	.8637	15.79	41.35	11.42	17.63	23.98	35.46	29.31	151.7
#1	.5227	-.0123	-.0074	.0090	.0008	-.0006	.0011	.0028	.0007
#2	.5291	-.0154	-.0136	.0106	.0006	-.0008	.0007	.0019	.0000
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/7/2014 1:10:51 Type: QC
Method: Accutest1(v125) 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**	**.0000**	**-.0128**	**-.0003**	**.0021**	**.0003**	**.0005**
Stddev	.0000	.0004	.0009	.0000	.0017	.0001	.0003
%RSD	3.556	1152.	7.267	5.699	83.88	36.30	61.30
#1	-.0002	.0003	-.0121	-.0003	.0008	.0004	.0003
#2	-.0003	-.0003	-.0134	-.0003	.0033	.0002	.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81681.**	**14803.**	**1719.0**	**5755.2**
Stddev	116.	17.	.5	8.0
%RSD	.14260	.11290	.03068	.13845
#1	81599.	14791.	1719.4	5749.6
#2	81763.	14815.	1718.7	5760.8

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/7/2014 1:17:11 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0122**	**.0030**	**.0033**	**.0093**	**.0060**	**.0080**	**.0096**	**.0126**	**.0040**
Stddev	.0001	.0001	.0003	.0011	.0000	.0001	.0001	.0006	.0010
%RSD	.7364	2.415	7.760	11.36	.2620	.6656	1.245	5.018	23.86
#1	.0122	.0030	.0031	.0101	.0060	.0080	.0096	.0121	.0047
#2	.0121	.0031	.0034	.0086	.0060	.0079	.0097	.0130	.0033

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0048**	**.0394**	**.0085**	**.0096**	**.0100**	**.0191**	**.0048**	**.2846**	**2.968**
Stddev	.0004	.0006	.0037	.0014	.0015	.0042	.0013	.0053	.017
%RSD	8.490	1.602	43.64	14.24	15.39	22.20	27.73	1.860	.5858
#1	.0045	.0389	.0111	.0106	.0111	.0161	.0038	.2809	2.956
#2	.0051	.0398	.0059	.0087	.0089	.0221	.0057	.2883	2.980

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0088**	**.2360**	**6.229**	**3.061**	**.0321**	**-.0027**	**-.0009**	**.0029**	**.0017**
Stddev	.0070	.0332	.034	.000	.0005	.0003	.0003	.0025	.0007
%RSD	79.81	14.05	.5389	.0069	1.679	11.51	28.44	87.16	43.69
#1	.0038	.2595	6.205	3.060	.0317	-.0025	-.0007	.0011	.0012
#2	.0137	.2126	6.253	3.061	.0324	-.0029	-.0011	.0046	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0006**	**-.0003**	**-.0482**	**-.0017**	**.0057**	**.0016**	**.0006**
Stddev	.0000	.0001	.0018	.0003	.0009	.0003	.0012
%RSD	2.259	47.01	3.789	17.68	16.01	20.30	210.5
#1	-.0006	-.0004	-.0469	-.0015	.0063	.0014	.0015
#2	-.0006	-.0002	-.0495	-.0019	.0050	.0019	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83418.**	**14798.**	**1708.9**	**5708.3**
Stddev	19.	102.	8.1	37.0
%RSD	.02296	.68716	.47260	.64793
#1	83405.	14870.	1714.6	5734.5
#2	83432.	14726.	1703.1	5682.2

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/7/2014 1:23:30 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0000**	**.0022**	**.0028**	**-.0010**	**.0029**	**.0021**	**-.0006**	**.0093**
Stddev	.0001	.000	.0002	.0001	.0001	.0001	.0000	.0005	.0002
%RSD	7.607	220.1	8.122	2.890	12.65	3.670	2.408	73.02	2.107
#1	-.0010	-.0001	.0023	.0029	-.0011	.0028	.0021	-.0003	.0092
#2	-.0011	.0000	.0020	.0028	-.0009	.0030	.0020	-.0010	.0095
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	**-.0024**	**-.0011**	**-.0015**	**.0030**	**.0025**	**.0056**	**-.0040**	**502.2**	**359.8**
Stddev	.0001	.0007	.0010	.0004	.0011	.0116	.0017	2.9	.9
%RSD	3.998	62.72	65.95	12.42	45.27	206.2	42.01	.5803	.2402
#1	-.0023	-.0006	-.0008	.0033	.0033	-.0026	-.0028	504.3	360.4
#2	-.0024	-.0016	-.0022	.0028	.0017	.0138	-.0052	500.1	359.2
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	**187.5**	**508.4**	**-.0237**	**-.0015**	**-.0108**	**-.0030**	**-.0312**	**-.0070**	**.0089**
Stddev	.0	.0	.0007	.0017	.0018	.0003	.0012	.0006	.0010
%RSD	.0165	.0077	2.785	110.1	16.45	11.31	3.759	8.758	11.41
#1	187.5	508.4	-.0232	-.0027	-.0096	-.0028	-.0320	-.0074	.0096
#2	187.5	508.4	-.0241	-.0003	-.0121	-.0033	-.0303	-.0065	.0082
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: 6/7/2014 1:23:30 Type: QC
Method: Accutest1(v125) 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**	**.0018**	**.0005**	F **.0116**	**-.0434**	**.0024**	**.0053**
Stddev	.000	.0001	.0004	.0001	.0044	.0001	.0000
%RSD	1264.	7.031	69.47	1.077	10.23	3.783	.2564
#1	.0001	.0017	.0008	.0117	-.0403	.0025	.0053
#2	-.0001	.0019	.0003	.0115	-.0466	.0024	.0053
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	**72625.**	**13995.**	**1502.6**	**4559.7**
Stddev	102.	15.	1.4	2.9
%RSD	.13999	.10519	.09263	.06399
#1	72697.	13984.	1501.7	4561.7
#2	72553.	14005.	1503.6	4557.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/7/2014 1:29:55 Type: QC
Method: Accutest1(v125) Mode: 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	**.5061**	**.4944**	**1.015**	**.4613**	**.4558**	**.5282**	**.4862**	**.9427**	**1.102**
Stddev	.0003	.0010	.001	.0023	.0005	.0006	.0003	.0037	.002
%RSD	.0675	.2007	.1139	.4981	.1167	.1141	.0700	.3903	.1810
#1	.5064	.4951	1.014	.4597	.4562	.5286	.4865	.9401	1.103
#2	.5059	.4937	1.016	.4629	.4554	.5278	.4860	.9453	1.100
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	**.4497**	**.9201**	**1.088**	**.9338**	**.9141**	**1.132**	**1.046**	**510.7**	**362.6**
Stddev	.0019	.0017	.001	.0004	.0009	.002	.003	1.9	.2
%RSD	.4186	.1856	.0548	.0391	.1036	.1740	.2428	.3702	.0545
#1	.4510	.9188	1.088	.9335	.9148	1.133	1.045	509.4	362.5
#2	.4483	.9213	1.089	.9340	.9135	1.130	1.048	512.0	362.8
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	**185.7**	**515.2**	**-.0064**	**.0016**	**-.0139**	**.4941**	**.5157**	**-.0075**	**.0099**
Stddev	.2	.6	.0030	.0040	.0006	.0011	.0017	.0011	.0022
%RSD	.0857	.1220	46.13	254.4	4.003	.2195	.3343	14.80	21.93
#1	185.8	515.6	-.0085	-.0013	-.0143	.4933	.5170	-.0068	.0115
#2	185.6	514.7	-.0043	.0044	-.0135	.4949	.5145	-.0083	.0084
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/7/2014 1:29:55 Type: QC
Method: Accutest1(v125) 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**	**.0054**	**.5646**	**.5507**	**.4654**	**.5661**	**.5539**
Stddev	.0001	.0002	.0016	.0013	.0050	.0001	.0020
%RSD	34.73	3.505	.2891	.2381	1.066	.0108	.3562
#1	-.0002	.0056	.5635	.5498	.4689	.5661	.5553
#2	-.0003	.0053	.5658	.5516	.4618	.5661	.5525
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	**72813.**	**13978.**	**1500.0**	**4561.7**
Stddev	85.	16.	2.6	12.3
%RSD	.11694	.11509	.17058	.26973
#1	72753.	13967.	1501.8	4570.4
#2	72874.	13990.	1498.2	4553.0

Zoom In Zoom Out

Sample Name: mnconf Acquired: 6/7/2014 1:36:12 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0006**	**.0003**	**.0022**	**.0002**	**10.05**	**.0004**	**.0012**
Stddev	.0001	.0000	.0002	.0000	.0002	.0002	.02	.0000	.0002
%RSD	187.6	8.060	28.05	.3054	10.22	84.55	.1595	4.438	19.34
#1	.0000	-.0001	.0005	.0003	.0024	.0004	10.06	.0004	.0010
#2	.0001	-.0001	.0007	.0003	.0021	.0001	10.04	.0004	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0067**	**.0002**	**.0001**	**.0019**	**.0033**	**-.0009**	**.0508**	**.0835**
Stddev	.0001	.0001	.0013	.0003	.0004	.0002	.0001	.0147	.0076
%RSD	14.49	1.274	598.1	418.6	20.37	6.169	9.768	28.93	9.137
#1	-.0004	.0067	.0011	-.0001	.0016	.0034	-.0008	.0404	.0781
#2	-.0003	.0066	-.0007	.0003	.0022	.0031	-.0009	.0612	.0889

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0265**	**.0136**	**.0062**	**.0100**	**.0000**	**-.0009**	**-.0001**	**.0491**	**-.0037**
Stddev	.0043	.0209	.0019	.0013	.0002	.0001	.0006	.0005	.0003
%RSD	16.31	154.2	30.55	12.89	656.4	6.441	518.7	1.017	6.957
#1	.0234	-.0012	.0048	.0091	-.0001	-.0008	-.0005	.0494	-.0035
#2	.0295	.0284	.0075	.0109	.0002	-.0009	.0003	.0487	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0000**	**-.0165**	**.0061**	**-.0020**	**.0014**	**-.0003**
Stddev	.0001	.0000	.0004	.0003	.0018	.0000	.0001
%RSD	35.87	1697.	2.188	5.128	85.92	1.736	21.18
#1	-.0001	.0000	-.0163	.0064	-.0033	.0014	-.0003
#2	-.0002	.0000	-.0168	.0059	-.0008	.0014	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82590.**	**14700.**	**1699.5**	**5691.2**
Stddev	57.	31.	4.8	8.1
%RSD	.06861	.21303	.28323	.14256
#1	82630.	14678.	1702.9	5696.9
#2	82550.	14723.	1696.1	5685.4

Zoom In Zoom Out

Sample Name: pbconf Acquired: 6/7/2014 1:42:36 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0002**	**.0002**	**-.0001**	**.0012**	**.0000**	**-.0001**	**.0002**
Stddev	.0000	.000	.0001	.0002	.0001	.0002	.0000	.0002	.0003
%RSD	13.63	1211.	24.58	85.52	99.78	14.38	9.918	383.1	131.1
#1	-.0001	.0000	.0003	.0001	-.0001	.0013	.0001	-.0002	.0000
#2	-.0001	.0000	.0002	.0003	.0000	.0011	.0000	.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0018**	**-.0001**	**.0013**	**10.46**	**.0003**	**-.0016**	**-.0003**	**.0146**
Stddev	.0002	.0001	.0008	.0007	.01	.0008	.0003	.0093	.0006
%RSD	579.6	3.897	612.5	54.75	.0992	298.5	17.91	2851.	3.984
#1	-.0001	.0018	.0004	.0018	10.45	.0009	-.0014	-.0069	.0150
#2	.0002	.0017	-.0007	.0008	10.47	-.0003	-.0018	.0062	.0142

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0046**	**.0014**	**-.0191**	**-.0021**	**-.0004**	**-.0007**	**.0005**	**.0025**	**.0003**
Stddev	.0004	.0158	.0087	.0014	.0003	.0000	.0002	.0003	.0003
%RSD	8.340	1143.	45.63	64.80	60.87	6.395	44.34	10.79	100.5
#1	.0048	.0125	-.0129	-.0030	-.0006	-.0008	.0003	.0027	.0001
#2	.0043	-.0098	-.0252	-.0011	-.0002	-.0007	.0006	.0023	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0001**	**-.0174**	**.0018**	**.0006**	**.0006**	**.0002**
Stddev	.0000	.0001	.0008	.0001	.0001	.0002	.0004
%RSD	5.429	67.72	4.693	4.626	26.11	24.12	227.0
#1	-.0002	-.0001	-.0180	.0019	.0007	.0005	-.0001
#2	-.0002	-.0002	-.0169	.0018	.0005	.0007	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82427.**	**14688.**	**1715.0**	**5757.6**
Stddev	55.	14.	2.0	9.9
%RSD	.06637	.09290	.11723	.17196
#1	82388.	14697.	1713.6	5750.6
#2	82466.	14678.	1716.4	5764.6

Zoom In Zoom Out

Sample Name: naconf Acquired: 6/7/2014 1:48:55 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0002**	**.0000**	**-.0002**	**.0016**	**.0000**	**-.0002**	**.0003**
Stddev	.0001	.0000	.0002	.000	.0004	.0002	.000	.0001	.0003
%RSD	71.23	1343.	110.4	4177.	225.5	11.22	84.57	50.33	86.28
#1	-.0001	.0000	.0000	.0001	.0001	.0017	.0000	-.0003	.0001
#2	.0000	.0000	.0003	-.0001	-.0004	.0015	-.0001	-.0002	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0010**	**-.0002**	**.0019**	**.0012**	**.0022**	**-.0010**	**-.0059**	**.0070**
Stddev	.0001	.0000	.0000	.0013	.0009	.0004	.0011	.0022	.0023
%RSD	70.00	3.088	16.19	67.74	75.28	20.14	106.2	37.18	32.94
#1	-.0001	.0010	-.0002	.0028	.0019	.0018	-.0003	-.0075	.0053
#2	-.0003	.0009	-.0002	.0010	.0006	.0025	-.0018	-.0044	.0086

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0035**	**-.0111**	**-.0077**	**99.64**	**.0002**	**-.0008**	**.0005**	**.0257**	**.0002**
Stddev	.0000	.0203	.0103	.29	.0012	.0001	.0002	.0012	.0008
%RSD	.0545	182.8	134.9	.2862	608.3	10.12	35.04	4.537	391.0
#1	.0035	.0033	-.0150	99.84	.0010	-.0008	.0004	.0249	.0007
#2	.0035	-.0255	-.0004	99.43	-.0006	-.0009	.0006	.0266	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0003**	**-.0190**	**.0009**	**.0048**	**.0008**	**.0005**
Stddev	.0000	.0001	.0001	.0001	.0013	.0007	.0002
%RSD	9.806	23.93	.5358	7.637	26.90	83.06	43.24
#1	-.0002	-.0003	-.0191	.0009	.0039	.0003	.0004
#2	-.0002	-.0004	-.0189	.0010	.0057	.0013	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79205.**	**14499.**	**1649.9**	**5256.0**
Stddev	180.	54.	2.0	15.3
%RSD	.22766	.37478	.12104	.29088
#1	79077.	14537.	1651.3	5266.8
#2	79332.	14460.	1648.5	5245.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 1:55:14 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**1.997**	**1.982**	**1.940**	**1.937**	**1.970**	**2.018**	**2.006**	**.2497**
Stddev	.007	.002	.005	.005	.001	.002	.001	.008	.0004
%RSD	.3651	.1123	.2496	.2467	.0711	.1183	.0573	.4123	.1712
#1	2.012	1.995	1.978	1.937	1.936	1.972	2.017	2.000	.2500
#2	2.023	1.998	1.985	1.944	1.938	1.968	2.019	2.011	.2494
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	**1.949**	**1.974**	**2.019**	**2.090**	**1.971**	**2.081**	**2.033**	**39.67**	**37.70**
Stddev	.000	.007	.004	.007	.002	.004	.002	.04	.11
%RSD	.0195	.3328	.1824	.3206	.0825	.1709	.0929	.0909	.2971
#1	1.949	1.970	2.017	2.086	1.970	2.078	2.032	39.70	37.78
#2	1.949	1.979	2.022	2.095	1.972	2.083	2.034	39.65	37.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.45**	**37.85**	**39.34**	**39.03**	**2.089**	**2.009**	**1.998**	**5.128**	**2.063**
Stddev	.03	.02	.01	.06	.007	.004	.003	.008	.007
%RSD	.0779	.0511	.0324	.1468	.3573	.2199	.1368	.1648	.3546
#1	39.47	37.87	39.33	38.99	2.083	2.006	2.000	5.122	2.058
#2	39.43	37.84	39.35	39.07	2.094	2.012	1.996	5.134	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: 6/7/2014 1:55:14 Type: QC
Method: Accutest1(v125) 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	**2.078**	**2.026**	**F 1.769**	**2.025**	**2.010**	**2.078**	**2.018**
Stddev	.007	.001	.020	.001	.004	.005	.007
%RSD	.3302	.0523	1.127	.0303	.2223	.2532	.3290
#1	2.073	2.025	1.755	2.025	2.007	2.074	2.013
#2	2.083	2.027	1.783	2.024	2.014	2.082	2.023
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	**78693.**	**14566.**	**1643.6**	**5165.9**
Stddev	55.	47.	3.5	12.3
%RSD	.06987	.31970	.21233	.23793
#1	78732.	14533.	1646.0	5174.6
#2	78654.	14598.	1641.1	5157.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 2:01:18 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0004**	**.0003**	**.0005**	**.0008**	**.0015**	**.0003**	**.0005**	**.0003**
Stddev	.0001	.0000	.0001	.0002	.0005	.0002	.0000	.0001	.0000
%RSD	100.2	4.270	33.33	46.34	63.96	13.18	7.142	10.62	13.08
#1	.0000	.0004	.0002	.0007	.0011	.0016	.0003	.0005	.0003
#2	.0001	.0004	.0004	.0003	.0004	.0013	.0004	.0005	.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**	**.0004**	**.0014**	**.0011**	**.0003**	**.0001**	**-.0015**	**.0038**	**.0107**
Stddev	.0001	.0000	.0001	.0002	.0002	.0014	.0000	.0011	.0007
%RSD	38.63	2.128	9.151	15.76	64.83	2736.	1.748	28.72	6.278
#1	.0002	.0004	.0014	.0010	.0002	-.0009	-.0014	.0046	.0102
#2	.0004	.0004	.0013	.0012	.0005	.0010	-.0015	.0031	.0111
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 **.0106**	**-.0059**	**-.0052**	**.0127**	**.0015**	**.0013**	**.0010**	**.0025**	**.0006**
Stddev	.0017	.0151	.0107	.0027	.0005	.0005	.0007	.0004	.0007
%RSD	16.35	257.1	206.6	21.62	33.93	40.13	64.64	14.96	105.5
#1	.0119	.0048	-.0128	.0108	.0018	.0017	.0006	.0028	.0011
#2	.0094	-.0166	.0024	.0147	.0011	.0010	.0015	.0023	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 2:01:18 Type: QC
Method: Accutest1(v125) 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**	**.0069**	F **.0012**	**.0005**	**.0011**	**-.0001**
Stddev	.0000	.0000	.0024	.0000	.0004	.0006	.0008
%RSD	3.271	8.091	34.13	1.289	68.09	55.44	711.1
#1	.0002	.0006	.0086	.0012	.0003	.0015	-.0007
#2	.0002	.0006	.0052	.0012	.0008	.0007	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81331.**	**14550.**	**1698.2**	**5692.8**
Stddev	108.	29.	9.9	35.3
%RSD	.13310	.20171	.58171	.62015
#1	81408.	14530.	1691.2	5667.9
#2	81255.	14571.	1705.2	5717.8

Zoom In Zoom Out

Sample Name: mp79845-mb1conf Acquired: 6/7/2014 2:07:38 Type: Unk
Method: Accutest1(v125) Mode: 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	**.0022**	**.0000**	**.0001**	**.0001**	**.0012**	**.0018**	**.0006**	**.0021**	**-.0001**
Stddev	.0000	.000	.0001	.0002	.0001	.0000	.0000	.0002	.0001
%RSD	.8272	90.86	94.47	261.8	4.252	2.041	3.339	10.49	92.61
#1	.0021	.0000	.0000	-.0001	.0012	.0018	.0006	.0019	.0000
#2	.0022	-.0001	.0001	.0002	.0012	.0018	.0006	.0022	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0095**	**.0004**	**-.0005**	**.0015**	**.0023**	**-.0009**	**.0113**	**.1323**
Stddev	.0000	.0000	.0008	.0008	.0001	.0006	.0003	.0008	.0019
%RSD	17.80	.2821	197.0	173.7	6.691	24.05	36.92	6.891	1.458
#1	.0001	.0095	.0010	-.0010	.0014	.0019	-.0011	.0107	.1336
#2	.0002	.0095	-.0002	.0001	.0016	.0027	-.0006	.0118	.1309

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0675**	**.0034**	**.0014**	**.0583**	**.0011**	**.0006**	**.0001**	**.0494**	**.0347**
Stddev	.0010	.0065	.0190	.0000	.0003	.0000	.0004	.0002	.0008
%RSD	1.459	192.5	1318.	.0524	24.49	.5661	334.0	.4931	2.203
#1	.0668	.0079	.0148	.0583	.0013	.0006	.0004	.0492	.0353
#2	.0682	-.0012	-.0120	.0583	.0009	.0006	-.0002	.0495	.0342

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0008**	**.0011**	**.0019**	**.0160**	**.0000**	**-.0005**
Stddev	.0000	.0000	.0007	.0000	.0000	.001	.0004
%RSD	13.30	2.255	66.38	.8895	.3116	3520.	76.46
#1	.0002	.0008	.0016	.0019	.0160	.0004	-.0008
#2	.0002	.0008	.0006	.0019	.0160	-.0004	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83275.**	**14906.**	**1703.5**	**5759.0**
Stddev	111.	49.	3.9	12.2
%RSD	.13366	.32659	.23106	.21259
#1	83353.	14941.	1700.7	5750.3
#2	83196.	14872.	1706.3	5767.6

Zoom In Zoom Out

Sample Name: jb68217-2 Acquired: 6/7/2014 2:13:57 Type: Unk
Method: Accutest1(v125) Mode: 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	**5.116**	**.0156**	**.0045**	**.0882**	**.3560**	**2.171**	**1.791**	**.8883**	**.0066**
Stddev	.049	.0001	.0001	.0004	.0013	.000	.004	.0017	.0005
%RSD	.9511	.3559	3.116	.4034	.3682	.0032	.2312	.1951	7.608
#1	5.081	.0157	.0046	.0880	.3569	2.171	1.794	.8871	.0069
#2	5.150	.0156	.0044	.0885	.3551	2.171	1.788	.8895	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1205**	**6.202**	**2.014**	**-.0048**	**3.589**	**.0071**	**-.0043**	**41.37**	**102.4**
Stddev	.0002	.015	.001	.0008	.005	.0002	.0007	.01	.2
%RSD	.1766	.2342	.0595	16.52	.1443	3.411	15.76	.0178	.1971
#1	.1207	6.212	2.013	-.0042	3.586	.0073	-.0047	41.36	102.2
#2	.1204	6.192	2.015	-.0053	3.593	.0069	-.0038	41.37	102.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**156.6**	**12.32**	**6.897**	**6.863**	**.1913**	**.0554**	**-.2759**	**10.01**	**.5461**
Stddev	.1	.01	.005	.009	.0010	.0001	.0014	.03	.0041
%RSD	.0335	.1074	.0662	.1327	.5447	.2295	.5040	.3231	.7461
#1	156.5	12.31	6.900	6.869	.1906	.0555	-.2769	9.991	.5432
#2	156.6	12.33	6.894	6.856	.1921	.0553	-.2749	10.04	.5489

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7272**	**1.501**	**.0247**	**.0777**	**13.77**	**-.3560**	**.0586**
Stddev	.0029	.001	.0015	.0004	.00	.0000	.0000
%RSD	.4005	.0377	5.917	.5290	.0326	.0061	.0434
#1	.7292	1.501	.0236	.0780	13.77	-.3559	.0587
#2	.7251	1.502	.0257	.0774	13.77	-.3560	.0586

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87638.**	**14873.**	**1807.8**	**5198.3**
Stddev	60.	5.	6.7	17.2
%RSD	.06898	.03676	.36825	.33028
#1	87596.	14877.	1812.6	5210.4
#2	87681.	14869.	1803.1	5186.1

Zoom In Zoom Out

Sample Name: jb68217-2 Acquired: 6/7/2014 2:20:06 Type: Unk
Method: Accutest1(v125) 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	**5.328**	**.0159**	**.0039**	**.0914**	**.3841**	**2.230**	**1.948**	**.9165**	**.0065**
Stddev	.010	.0000	.0002	.0002	.0004	.001	.004	.0095	.0009
%RSD	.1851	.0076	5.216	.2526	.1080	.0544	.2255	1.035	13.11
#1	5.321	.0159	.0040	.0912	.3838	2.231	1.951	.9098	.0059
#2	5.335	.0159	.0038	.0915	.3844	2.230	1.945	.9232	.0071

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1282**	**6.805**	**2.188**	**.0100**	**3.714**	**.0069**	**-.0068**	**41.59**	**105.8**
Stddev	.0009	.059	.024	.0045	.044	.0061	.0028	.01	.0
%RSD	.7228	.8601	1.073	44.68	1.183	88.32	40.84	.0294	.0403
#1	.1288	6.763	2.172	.0068	3.683	.0112	-.0088	41.58	105.7
#2	.1275	6.846	2.205	.0132	3.746	.0026	-.0048	41.60	105.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**163.9**	**12.77**	**6.984**	**6.910**	**.2018**	**.0586**	**-.2931**	**10.95**	**.5995**
Stddev	.5	.00	.018	.007	.0012	.0002	.0044	.06	.0039
%RSD	.3081	.0342	.2619	.0993	.5712	.3873	1.501	.5826	.6448
#1	163.5	12.77	6.997	6.914	.2009	.0584	-.2962	10.91	.5968
#2	164.2	12.77	6.971	6.905	.2026	.0588	-.2900	11.00	.6022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7351**	**1.611**	**.0021**	**.0774**	**14.65**	**-.3821**	**.0590**
Stddev	.0015	.002	.0005	.0000	.08	.0010	.0015
%RSD	.2000	.1164	22.48	.0492	.5477	.2697	2.499
#1	.7340	1.612	.0024	.0774	14.59	-.3814	.0579
#2	.7361	1.609	.0017	.0774	14.71	-.3829	.0600

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85201.**	**14695.**	**1759.9**	**5366.1**
Stddev	135.	12.	10.0	48.6
%RSD	.15799	.08365	.56751	.90621
#1	85106.	14703.	1766.9	5400.5
#2	85296.	14686.	1752.8	5331.7

Zoom In Zoom Out

Sample Name: jb68165-1 Acquired: 6/7/2014 2:26:12 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0759**	**.0002**	**.0029**	**.0049**	**.0032**	**.0187**	**.0141**	**.0030**	**-.0003**
Stddev	.0000	.0000	.0006	.0002	.0013	.0012	.0004	.0005	.0004
%RSD	.0240	29.55	20.19	3.554	42.49	6.367	2.522	15.56	136.9
#1	.0759	.0001	.0025	.0051	.0022	.0196	.0143	.0034	.0000
#2	.0759	.0002	.0034	.0048	.0041	.0179	.0138	.0027	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0009**	**.0546**	**-.0031**	**.0144**	**.0088**	**.0010**	**-.0143**	**.0257**	**117.5**
Stddev	.0011	.0002	.0016	.0060	.0017	.0023	.0020	.0033	.6
%RSD	117.3	.4193	52.12	41.45	19.05	235.6	14.10	12.83	.4783
#1	-.0017	.0544	-.0020	.0102	.0076	.0027	-.0128	.0281	117.1
#2	-.0002	.0548	-.0043	.0186	.0099	-.0007	-.0157	.0234	117.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2028**	**61.63**	**5.702**	**1067.**	**.0246**	**.0003**	**-.0073**	**4.370**	**.0136**
Stddev	.0049	.56	.051	10.	.0040	.0001	.0099	.029	.0019
%RSD	2.396	.9136	.8986	.8929	16.20	30.52	135.2	.6536	14.32
#1	.1994	61.23	5.666	1060.	.0274	.0004	-.0003	4.350	.0150
#2	.2063	62.03	5.739	1074.	.0218	.0002	-.0143	4.390	.0122

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1701**	**.0008**	**-.0808**	**-.0023**	**19.04**	**.0039**	**.0060**
Stddev	.0018	.0005	.0054	.0002	.19	.0007	.0012
%RSD	1.030	62.58	6.699	9.500	.9915	17.20	20.52
#1	.1688	.0011	-.0846	-.0025	18.91	.0044	.0069
#2	.1713	.0004	-.0770	-.0022	19.18	.0035	.0051

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74369.**	**14196.**	**1591.4**	**4922.5**
Stddev	53.	85.	12.1	26.8
%RSD	.07119	.59548	.75868	.54501
#1	74407.	14256.	1599.9	4941.5
#2	74332.	14136.	1582.9	4903.6

Zoom In Zoom Out

Sample Name: jb68021-3fa Acquired: 6/7/2014 2:32:31 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0753**	**.0020**	**.0031**	**.0130**	**.0178**	**.0118**	**50.77**	**.0257**	**.0323**
Stddev	.0002	.0000	.0005	.0011	.0000	.0008	.03	.0005	.0025
%RSD	.2851	.4422	17.07	8.326	.0356	6.643	.0659	1.827	7.776
#1	.0754	.0020	.0035	.0137	.0178	.0123	50.75	.0253	.0341
#2	.0751	.0020	.0028	.0122	.0178	.0112	50.80	.0260	.0305

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0072**	**.0039**	**.0122**	**.0134**	**.0594**	**.0239**	**.0184**	**.1030**	**896.8**
Stddev	.0010	.0015	.0058	.0125	.0011	.0100	.0027	.0099	.6
%RSD	13.90	38.46	48.02	93.05	1.796	41.82	14.74	9.596	.0670
#1	-.0079	.0049	.0163	.0222	.0601	.0169	.0165	.1100	896.4
#2	-.0065	.0028	.0080	.0046	.0586	.0310	.0203	.0960	897.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**514.1**	**133.1**	**146.9**	**6950.**	**.5399**	**-.0227**	**-.0753**	**10.92**	**.0029**
Stddev	.7	.2	.2	94.	.0025	.0003	.0033	.03	.0010
%RSD	.1342	.1209	.1621	1.359	.4586	1.173	4.340	.2354	34.45
#1	513.6	133.2	146.7	6883.	.5417	-.0228	-.0777	10.94	.0037
#2	514.6	133.0	147.1	7017.	.5382	-.0225	-.0730	10.90	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.909**	**.0042**	**-.0596**	**.1283**	**1532.**	**.0196**	**.0316**
Stddev	.002	.0008	.0015	.0010	2.	.0032	.0011
%RSD	.0788	18.91	2.439	.7594	.1075	16.45	3.437
#1	2.907	.0048	-.0606	.1276	1534.	.0174	.0324
#2	2.911	.0036	-.0586	.1290	1531.	.0219	.0308

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**65185.**	**13530.**	**1402.6**	**4136.4**
Stddev	65.	13.	5.0	14.3
%RSD	.09901	.09386	.35606	.34488
#1	65139.	13539.	1399.0	4126.3
#2	65230.	13521.	1406.1	4146.5

Zoom In Zoom Out

Sample Name: jb68021-3fa Acquired: 6/7/2014 2:38:54 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 12th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0728**	**.0022**	**.0049**	**.0142**	**.0210**	**.0189**	**51.55**	**.0245**	**.0374**
Stddev	.0024	.0004	.0003	.0001	.0020	.0015	.16	.0014	.0031
%RSD	3.298	20.58	6.841	.3727	9.665	7.713	.3129	5.782	8.197
#1	.0711	.0025	.0046	.0143	.0225	.0200	51.67	.0235	.0396
#2	.0745	.0019	.0051	.0142	.0196	.0179	51.44	.0255	.0353

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0059**	**.0155**	**.0076**	**-.0025**	**.0729**	**.0212**	**.0039**	**.0286**	**905.9**
Stddev	.0010	.0012	.0087	.0074	.0080	.0001	.0072	.0473	2.0
%RSD	17.46	7.443	114.0	297.5	11.03	.5078	185.9	165.8	.2185
#1	-.0052	.0163	.0137	-.0077	.0786	.0213	-.0012	-.0049	904.5
#2	-.0066	.0147	.0015	.0027	.0672	.0211	.0090	.0620	907.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**514.5**	**130.9**	**143.1**	**7614.**	**.5202**	**-.0243**	**-.0770**	**10.51**	**.0174**
Stddev	.1	.2	.8	.	.0000	.0001	.0031	.01	.0012
%RSD	.0160	.1179	.5557	.0030	.0001	.5947	3.975	.1334	6.982
#1	514.4	131.0	142.5	7614.	.5202	-.0242	-.0748	10.52	.0165
#2	514.6	130.8	143.6	7614.	.5202	-.0244	-.0792	10.50	.0182

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.837**	**.0041**	**-.1681**	**.1257**	**1514.**	**.0265**	**.0403**
Stddev	.004	.0011	.0042	.0006	3.	.0030	.0065
%RSD	.1367	27.24	2.521	.5066	.1657	11.28	16.04
#1	2.835	.0049	-.1711	.1252	1512.	.0286	.0357
#2	2.840	.0033	-.1651	.1261	1516.	.0244	.0449

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71626.**	**14151.**	**1517.7**	**4532.0**
Stddev	232.	44.	.8	11.7
%RSD	.32322	.31216	.05310	.25859
#1	71462.	14182.	1517.1	4540.3
#2	71790.	14120.	1518.3	4523.8

Zoom In Zoom Out

Sample Name: mp79876-mb1conf Acquired: 6/7/2014 2:45:18 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0004**	**.0000**	**.0000**	**.0001**	**.0001**	**.0010**	**.0000**	**-.0001**	**.0002**
Stddev	.0001	.000	.0001	.0002	.0002	.0001	.000	.0001	.0001
%RSD	18.82	48.68	141.6	198.8	154.6	11.62	26.47	75.94	48.65
#1	-.0003	-.0001	.0001	.0002	.0002	.0011	.0000	-.0002	.0003
#2	-.0004	.0000	.0000	.0000	.0000	.0009	.0000	-.0001	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0012**	**-.0010**	**-.0006**	**.0007**	**.0013**	**-.0015**	**-.0075**	**.0062**
Stddev	.0001	.0001	.0004	.0008	.0000	.0010	.0002	.0035	.0014
%RSD	50.87	9.043	41.82	143.3	6.432	77.43	13.91	46.54	23.10
#1	-.0001	.0011	-.0013	-.0012	.0007	.0006	-.0016	-.0050	.0052
#2	-.0003	.0012	-.0007	.0000	.0007	.0020	-.0013	-.0100	.0072

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0039**	**.0044**	**.0392**	**.1123**	**.0000**	**-.0008**	**.0006**	**.0622**	**.0003**
Stddev	.0000	.0105	.0007	.0064	.001	.0001	.0002	.0006	.0001
%RSD	.3820	236.2	1.825	5.717	10520.	9.468	27.16	.9778	20.62
#1	.0039	-.0030	.0387	.1168	-.0003	-.0009	.0007	.0618	.0004
#2	.0039	.0119	.0397	.1078	.0003	-.0007	.0005	.0627	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0002**	**-.0165**	**-.0005**	**.0062**	**.0006**	**-.0001**
Stddev	.0000	.0002	.0004	.0001	.0015	.0004	.0002
%RSD	23.18	119.5	2.695	28.05	24.41	76.39	297.4
#1	-.0002	.0000	-.0162	-.0004	.0052	.0009	-.0002
#2	-.0002	-.0004	-.0168	-.0006	.0073	.0003	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82804.**	**14747.**	**1700.3**	**5709.0**
Stddev	191.	7.	.5	6.4
%RSD	.23011	.04877	.03119	.11162
#1	82669.	14753.	1699.9	5713.5
#2	82939.	14742.	1700.6	5704.5

Zoom In Zoom Out

Sample Name: jb68176-11f 2 Acquired: 6/7/2014 2:51:36 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0355**	**.0001**	**.0009**	**.0016**	**.0035**	**.0156**	**.2677**	**.0022**	**.0003**
Stddev	.0002	.0000	.0001	.0003	.0004	.0001	.0005	.0002	.0001
%RSD	.5793	67.21	7.361	17.40	11.76	.5137	.1739	7.782	21.12
#1	.0353	.0000	.0008	.0014	.0038	.0156	.2680	.0021	.0003
#2	.0356	.0001	.0009	.0018	.0032	.0155	.2674	.0024	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0045**	**.0417**	**.0021**	**-.0001**	**.0194**	**.0023**	**.0005**	**.3165**	**19.88**
Stddev	.0002	.0001	.0002	.0017	.0013	.0011	.0016	.0044	.13
%RSD	3.778	.3327	9.249	1214.	6.583	48.41	320.7	1.399	.6757
#1	.0046	.0416	.0019	-.0014	.0203	.0031	.0016	.3196	19.97
#2	.0043	.0418	.0022	.0011	.0185	.0015	-.0006	.3134	19.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.063**	**4.588**	**2.178**	**51.69**	**.0736**	**.0044**	**-.0011**	**4.927**	**.0033**
Stddev	.000	.022	.021	.06	.0001	.0002	.0006	.021	.0010
%RSD	.0009	.4909	.9428	.1237	.1648	3.628	59.00	.4307	31.03
#1	1.063	4.572	2.163	51.73	.0735	.0043	-.0015	4.912	.0026
#2	1.063	4.604	2.192	51.64	.0737	.0045	-.0006	4.942	.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0816**	**.0100**	**-.0113**	**.0003**	**2.453**	**-.0005**	**.0011**
Stddev	.0003	.0001	.0011	.0001	.015	.0001	.0003
%RSD	.3282	.8880	9.734	19.61	.6205	17.27	28.61
#1	.0814	.0100	-.0121	.0004	2.442	-.0005	.0013
#2	.0818	.0101	-.0105	.0003	2.463	-.0004	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77833.**	**14413.**	**1608.3**	**5226.1**
Stddev	162.	91.	4.4	8.3
%RSD	.20805	.62904	.27565	.15812
#1	77718.	14348.	1611.4	5231.9
#2	77947.	14477.	1605.1	5220.3

Zoom In Zoom Out

Sample Name: mp79830-mb3 2 Acquired: 6/7/2014 2:57:49 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0002**	**.0000**	**-.0001**	**.0007**	**.0000**	**-.0002**	**.0001**
Stddev	.0001	.000	.0001	.000	.0001	.0001	.000	.0000	.0005
%RSD	41.09	156.2	65.18	101.1	101.5	11.16	67.15	15.87	458.9
#1	-.0001	-.0001	.0001	.0000	.0000	.0006	.0000	-.0002	-.0003
#2	-.0002	.0000	.0003	.0000	-.0002	.0007	-.0001	-.0002	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0008**	**-.0004**	**-.0007**	**.0010**	**.0044**	**-.0008**	**-.0095**	**.0105**
Stddev	.0000	.0001	.0013	.0012	.0002	.0022	.0002	.0064	.0008
%RSD	15.28	16.48	297.3	177.4	18.20	50.47	19.37	67.12	7.716
#1	-.0003	.0007	-.0014	-.0015	.0012	.0028	-.0009	-.0050	.0111
#2	-.0003	.0009	.0005	.0002	.0009	.0060	-.0007	-.0140	.0100

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0087**	**-.0063**	**.0128**	**.0475**	**-.0001**	**-.0010**	**.0005**	**.0342**	**.0010**
Stddev	.0014	.0001	.0171	.0049	.0002	.0001	.0002	.0002	.0003
%RSD	15.91	1.610	133.5	10.38	195.8	11.20	40.41	.5327	29.05
#1	.0077	-.0063	.0249	.0440	.0000	-.0010	.0007	.0341	.0008
#2	.0096	-.0064	.0007	.0510	-.0002	-.0009	.0004	.0343	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0001**	**-.0187**	**-.0006**	**.0044**	**.0003**	**.0003**
Stddev	.0000	.0002	.0000	.0001	.0003	.0000	.0007
%RSD	.6465	284.6	.1912	20.98	7.828	2.571	222.1
#1	-.0002	-.0001	-.0187	-.0007	.0041	.0003	.0008
#2	-.0002	.0002	-.0187	-.0005	.0046	.0002	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83934.**	**14794.**	**1697.5**	**5734.8**
Stddev	191.	8.	2.2	4.8
%RSD	.22793	.05345	.13140	.08323
#1	84070.	14788.	1699.1	5738.2
#2	83799.	14799.	1695.9	5731.5

Zoom In Zoom Out

Sample Name: mp79830-mb4 Acquired: 6/7/2014 3:04:06 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0001**	**.0001**	**.0000**	**.0008**	**.0000**	**-.0002**	**.0002**
Stddev	.0000	.000	.0000	.0000	.0003	.0001	.000	.0003	.0003
%RSD	13.52	37.78	33.15	26.05	1237.	11.92	151.0	130.3	150.4
#1	-.0002	.0000	.0001	.0002	-.0002	.0007	-.0001	-.0005	.0000
#2	-.0002	.0000	.0001	.0001	.0003	.0008	.0000	.0000	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0002**	**-.0010**	**-.0012**	**.0016**	**.0026**	**-.0010**	**-.0075**	**.0059**
Stddev	.0001	.0001	.0003	.0001	.0015	.0009	.0008	.0009	.0010
%RSD	42.93	22.48	28.77	10.34	89.93	34.45	81.15	12.21	16.76
#1	-.0003	.0003	-.0011	-.0013	.0026	.0020	-.0004	-.0069	.0066
#2	-.0002	.0002	-.0008	-.0011	.0006	.0033	-.0016	-.0082	.0052

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0023**	**-.0048**	**.0106**	**.0345**	**-.0005**	**-.0009**	**.0002**	**.0051**	**.0005**
Stddev	.0011	.0083	.0013	.0009	.0004	.0001	.0000	.0004	.0004
%RSD	46.26	174.7	11.96	2.609	78.66	10.08	7.282	8.206	69.46
#1	.0015	.0011	.0115	.0338	-.0008	-.0010	.0002	.0048	.0008
#2	.0030	-.0107	.0097	.0351	-.0002	-.0009	.0002	.0054	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0001**	**-.0201**	**-.0007**	**.0018**	**.0003**	**-.0001**
Stddev	.0000	.0002	.0002	.0000	.0015	.0003	.0001
%RSD	13.81	196.0	1.055	3.313	85.18	105.3	123.3
#1	-.0001	.0000	-.0203	-.0007	.0028	.0005	.0000
#2	-.0002	-.0002	-.0200	-.0007	.0007	.0001	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84264.**	**14802.**	**1696.9**	**5735.9**
Stddev	116.	27.	4.9	10.8
%RSD	.13822	.18444	.28829	.18908
#1	84182.	14782.	1700.3	5743.6
#2	84347.	14821.	1693.4	5728.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 3:10:25 Type: QC
Method: Accutest1(v125) 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	**2.070**	**2.048**	**2.007**	**1.964**	**1.973**	**2.018**	**2.054**	**2.028**	**.2538**
Stddev	.003	.004	.008	.008	.003	.004	.007	.008	.0007
%RSD	.1363	.1836	.3982	.4043	.1366	.1841	.3232	.3877	.2863
#1	2.072	2.050	2.013	1.970	1.971	2.015	2.050	2.033	.2533
#2	2.068	2.045	2.002	1.959	1.975	2.020	2.059	2.022	.2543
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	**1.989**	**1.995**	**2.043**	**2.119**	**1.992**	**2.107**	**2.059**	**40.64**	**38.69**
Stddev	.002	.007	.006	.013	.012	.005	.006	.17	.19
%RSD	.0986	.3774	.3050	.6056	.6063	.2606	.2979	.4234	.5023
#1	1.988	2.000	2.047	2.128	2.001	2.111	2.064	40.76	38.83
#2	1.991	1.990	2.038	2.110	1.984	2.103	2.055	40.51	38.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.07**	**38.55**	**40.34**	**40.02**	**2.114**	**2.035**	**2.046**	**5.182**	**2.089**
Stddev	.02	.04	.07	.09	.003	.005	.001	.014	.005
%RSD	.0429	.1127	.1755	.2258	.1374	.2385	.0356	.2625	.2197
#1	40.09	38.58	40.39	40.08	2.117	2.038	2.045	5.192	2.093
#2	40.06	38.52	40.29	39.96	2.112	2.031	2.046	5.173	2.086
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: 6/7/2014 3:10:25 Type: QC
Method: Accutest1(v125) 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	**2.124**	**2.064**	**1.800**	**2.066**	**2.046**	**2.099**	**2.078**
Stddev	.002	.005	.013	.012	.006	.004	.001
%RSD	.0742	.2264	.6923	.5551	.2733	.1704	.0259
#1	2.122	2.061	1.791	2.058	2.050	2.101	2.078
#2	2.125	2.067	1.809	2.075	2.042	2.096	2.077
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	**78508.**	**14404.**	**1651.3**	**5188.8**
Stddev	211.	5.	.7	7.0
%RSD	.26888	.03153	.04493	.13524
#1	78657.	14401.	1650.8	5183.8
#2	78359.	14408.	1651.9	5193.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 3:16:29 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0005**	**.0003**	**.0004**	**.0006**	**.0012**	**.0005**	**.0001**	**.0003**
Stddev	.0001	.0001	.0001	.0000	.0002	.0001	.0000	.0000	.0002
%RSD	17.74	11.40	14.44	3.631	37.14	9.125	.4661	7.700	58.64
#1	.0004	.0005	.0004	.0004	.0008	.0011	.0005	.0001	.0002
#2	.0005	.0006	.0003	.0004	.0005	.0013	.0005	.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	**.0006**	**.0001**	**.0011**	**-.0005**	**.0003**	**.0011**	**-.0020**	**-.0007**	**.0116**
Stddev	.0003	.0002	.0002	.0004	.0002	.0021	.0004	.0039	.0048
%RSD	52.79	233.5	17.73	78.61	79.14	201.0	18.59	559.2	41.24
#1	.0008	.0003	.0012	-.0002	.0005	-.0004	-.0017	-.0034	.0082
#2	.0003	-.0001	.0009	-.0007	.0001	.0026	-.0022	.0021	.0149
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	**.0097**	**-.0122**	**.0332**	**.0359**	**.0006**	**.0012**	**.0007**	**.0023**	**.0008**
Stddev	.0020	.0027	.0045	.0004	.0000	.0004	.0008	.0001	.0004
%RSD	21.04	21.75	13.51	1.229	5.698	36.64	112.1	4.585	47.69
#1	.0083	-.0141	.0300	.0356	.0006	.0015	.0012	.0022	.0011
#2	.0112	-.0103	.0364	.0362	.0006	.0009	.0001	.0023	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 3:16:29 Type: QC
Method: Accutest1(v125) 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**	**.0004**	**.0073**	F **.0011**	**.0024**	**.0015**	**.0005**
Stddev	.0001	.0001	.0034	.0002	.0015	.0006	.0000
%RSD	28.39	11.67	47.28	19.09	62.49	38.96	7.427
#1	.0003	.0004	.0097	.0013	.0013	.0019	.0005
#2	.0005	.0005	.0048	.0010	.0035	.0011	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**82640.**	**14458.**	**1711.4**	**5744.3**
Stddev	437.	32.	.9	7.2
%RSD	.52913	.22329	.05423	.12508
#1	82949.	14436.	1710.8	5739.2
#2	82330.	14481.	1712.1	5749.4

Zoom In Zoom Out

Sample Name: mp79830-lc3 Acquired: 6/7/2014 3:22:49 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5190**	**.4828**	**.4760**	**.4496**	**.4801**	**.4728**	**.5052**	**.4754**	**.2100**
Stddev	.0003	.0015	.0001	.0016	.0080	.0097	.0091	.0009	.0036
%RSD	.0611	.3147	.0302	.3488	1.671	2.045	1.809	.1878	1.731
#1	.5192	.4838	.4761	.4507	.4744	.4660	.4987	.4761	.2074
#2	.5188	.4817	.4759	.4485	.4858	.4797	.5116	.4748	.2126

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4618**	**.4855**	**.4850**	**.5021**	**.4762**	**.5238**	**.4785**	**4.998**	**5.225**
Stddev	.0080	.0007	.0009	.0015	.0009	.0011	.0003	.032	.040
%RSD	1.724	.1349	.1779	.3015	.1970	.2174	.0605	.6379	.7690
#1	.4562	.4859	.4857	.5032	.4769	.5246	.4787	5.020	5.253
#2	.4674	.4850	.4844	.5010	.4755	.5230	.4783	4.975	5.196

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.614**	**5.201**	**10.13**	**10.02**	**.0016**	**.4797**	**.0007**	**.0090**	**.0012**
Stddev	.014	.017	.02	.02	.0003	.0007	.0003	.0001	.0003
%RSD	.2529	.3325	.1664	.1800	21.82	.1498	50.13	.7950	20.77
#1	5.624	5.213	10.11	10.03	.0018	.4802	.0009	.0091	.0014
#2	5.604	5.189	10.14	10.00	.0013	.4792	.0004	.0090	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**.5067**	**.0033**	**.0061**	**.0022**	**-.0001**	**.0002**
Stddev	.0000	.0105	.0015	.0002	.0016	.0002	.0002
%RSD	5.848	2.077	46.00	2.542	73.75	141.3	68.41
#1	-.0003	.4992	.0044	.0062	.0011	.0000	.0001
#2	-.0003	.5141	.0022	.0060	.0034	-.0002	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79935.**	**14778.**	**1682.6**	**5539.9**
Stddev	1440.	163.	3.0	11.0
%RSD	1.8012	1.0999	.17870	.19873
#1	80953.	14663.	1680.4	5532.2
#2	78917.	14893.	1684.7	5547.7

Zoom In Zoom Out

Sample Name: mp79830-lc4 Acquired: 6/7/2014 3:28:56 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5407**	**.5045**	**.4971**	**.4699**	**.4920**	**.4834**	**.5163**	**.4959**	**.2146**
Stddev	.0013	.0009	.0002	.0002	.0002	.0015	.0006	.0016	.0000
%RSD	.2320	.1737	.0451	.0437	.0313	.3125	.1218	.3148	.0169
#1	.5416	.5051	.4969	.4700	.4921	.4823	.5167	.4970	.2146
#2	.5398	.5038	.4972	.4697	.4919	.4844	.5158	.4948	.2146

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4733**	**.5001**	**.5056**	**.5219**	**.4967**	**.5465**	**.5019**	**5.232**	**5.489**
Stddev	.0011	.0011	.0013	.0007	.0005	.0007	.0003	.023	.002
%RSD	.2373	.2207	.2603	.1312	.1035	.1354	.0519	.4438	.0384
#1	.4741	.5009	.5065	.5214	.4963	.5470	.5021	5.248	5.487
#2	.4725	.4993	.5047	.5224	.4970	.5460	.5018	5.215	5.490

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.872**	**5.440**	**10.57**	**10.47**	**.0010**	**.5012**	**.0010**	**.0065**	**.0014**
Stddev	.014	.019	.02	.03	.0007	.0002	.0004	.0007	.0009
%RSD	.2294	.3523	.2278	.2960	72.56	.0392	34.95	10.56	60.43
#1	5.881	5.426	10.58	10.50	.0015	.5010	.0008	.0070	.0008
#2	5.862	5.453	10.55	10.45	.0005	.5013	.0013	.0060	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**.5173**	**-.0035**	**.0023**	**.0020**	**-.0011**	**-.0002**
Stddev	.0000	.0010	.0016	.0000	.0004	.0001	.0006
%RSD	2.137	.1874	46.58	1.173	19.01	12.03	352.2
#1	-.0003	.5167	-.0023	.0022	.0017	-.0010	.0003
#2	-.0004	.5180	-.0046	.0023	.0023	-.0012	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81597.**	**14788.**	**1685.0**	**5552.0**
Stddev	68.	8.	2.4	11.7
%RSD	.08284	.05687	.14367	.21104
#1	81645.	14794.	1683.3	5543.7
#2	81549.	14782.	1686.7	5560.3

Zoom In Zoom Out

Sample Name: jb68032-15f Acquired: 6/7/2014 3:35:02 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: fb 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0003**	**.0001**	**.0003**	**.0012**	**.0001**	**-.0002**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0000	.0002	.0000	.0001	.0001
%RSD	117.9	2.632	.2619	83.21	14.74	16.64	10.41	46.18	93.49
#1	.0000	.0000	.0003	.0000	.0003	.0014	.0001	-.0002	.0002
#2	.0001	.0000	.0003	.0001	.0003	.0011	.0001	-.0003	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0041**	**-.0008**	**-.0002**	**.0004**	**.0030**	**-.0010**	**-.0018**	**.0182**
Stddev	.000	.0002	.0000	.0002	.0009	.0000	.0002	.0050	.0004
%RSD	1385.	5.560	1.470	119.8	206.5	1.339	21.22	286.7	2.334
#1	.0002	.0043	-.0007	.0000	-.0002	.0031	-.0012	-.0053	.0185
#2	-.0002	.0039	-.0008	-.0004	.0011	.0030	-.0009	.0018	.0179

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0061**	**-.0023**	**.0103**	**.0256**	**.0000**	**-.0001**	**.0009**	**.0181**	**.0011**
Stddev	.0010	.0082	.0031	.0069	.0001	.0001	.0005	.0001	.0000
%RSD	15.68	363.3	30.35	27.08	1080.	154.2	61.24	.6962	3.426
#1	.0054	.0036	.0081	.0207	-.0001	.0000	.0012	.0180	.0010
#2	.0067	-.0081	.0125	.0305	.0001	-.0001	.0005	.0182	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0001**	**-.0077**	**-.0002**	**.0047**	**-.0006**	**-.0002**
Stddev	.0000	.0002	.0009	.0001	.0000	.0002	.0007
%RSD	15.15	193.4	11.32	66.04	.4487	29.47	349.0
#1	-.0002	.0000	-.0071	-.0003	.0047	-.0008	.0003
#2	-.0002	-.0002	-.0083	-.0001	.0047	-.0005	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83974.**	**14698.**	**1703.7**	**5762.2**
Stddev	1210.	35.	6.1	20.2
%RSD	1.4412	.23627	.35967	.34976
#1	84830.	14673.	1699.4	5748.0
#2	83119.	14722.	1708.1	5776.5

Zoom In Zoom Out

Sample Name: mp79888-mb1 1 Acquired: 6/7/2014 3:41:20 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0000**	**.0003**	**.0001**	**.0016**	**-.0001**	**.0007**	**.0004**
Stddev	.0000	.0000	.000	.0000	.0001	.0003	.0000	.0001	.0007
%RSD	3.190	80.35	45.12	2.339	94.79	15.70	2.267	10.76	195.3
#1	-.0002	.0000	.0000	.0003	.0000	.0018	-.0001	.0007	.0008
#2	-.0002	.0000	.0000	.0003	.0002	.0014	-.0001	.0006	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0024**	**.0001**	**.0031**	**.0006**	**.0011**	**-.0030**	**-.0074**	**.0072**
Stddev	.0002	.0002	.0002	.0011	.0006	.0019	.0000	.0022	.0006
%RSD	46.94	6.885	147.9	34.75	108.7	177.0	.4532	30.26	8.449
#1	-.0005	.0025	.0003	.0038	.0010	-.0003	-.0030	-.0090	.0068
#2	-.0002	.0022	.0000	.0023	.0001	.0025	-.0029	-.0058	.0076

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0003**	**-.0050**	**.0078**	**.0041**	**-.0006**	**-.0010**	**.0008**	**.0097**	**-.0006**
Stddev	.0009	.0120	.0064	.0041	.0001	.0001	.0002	.0001	.0001
%RSD	344.5	238.3	81.86	99.59	17.06	6.438	23.35	1.098	11.02
#1	-.0004	-.0135	.0123	.0012	-.0006	-.0011	.0006	.0096	-.0007
#2	.0009	.0034	.0033	.0069	-.0007	-.0010	.0009	.0097	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**-.0002**	**-.0214**	**-.0009**	**.0035**	**.0015**	**-.0002**
Stddev	.0000	.0003	.0006	.0001	.0025	.0003	.0004
%RSD	25.11	136.0	2.757	11.26	72.85	18.39	174.1
#1	-.0002	.0000	-.0218	-.0009	.0017	.0016	-.0005
#2	-.0002	-.0005	-.0210	-.0008	.0052	.0013	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84092.**	**14990.**	**1735.4**	**5902.1**
Stddev	574.	2.	10.0	22.5
%RSD	.68222	.01540	.57406	.38147
#1	83687.	14992.	1742.5	5918.0
#2	84498.	14988.	1728.4	5886.1

Zoom In Zoom Out

Sample Name: mp79888-mb2 Acquired: 6/7/2014 3:47:38 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0000**	**.0003**	**.0001**	**.0016**	**.0000**	**.0005**	**.0002**
Stddev	.0001	.0000	.000	.0001	.0003	.0001	.000	.0001	.0003
%RSD	37.79	279.9	32.24	20.88	370.5	3.831	74.28	20.49	160.3
#1	-.0002	.0000	.0000	.0003	-.0001	.0016	-.0001	.0005	.0000
#2	-.0003	.0000	-.0001	.0004	.0002	.0017	.0000	.0004	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0011**	**.0001**	**.0030**	**.0015**	**.0000**	**-.0024**	**-.0066**	**.0030**
Stddev	.0001	.0001	.0004	.0016	.0008	.001	.0001	.0020	.0007
%RSD	59.32	5.576	465.3	52.49	50.14	1676.	4.908	30.18	23.32
#1	-.0004	.0011	.0004	.0019	.0010	.0003	-.0023	-.0052	.0025
#2	-.0001	.0011	-.0002	.0041	.0020	-.0004	-.0024	-.0080	.0035

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0009**	**-.0130**	**-.0147**	**.0002**	**-.0012**	**-.0009**	**.0004**	**.0033**	**-.0005**
Stddev	.0001	.0081	.0032	.0042	.0005	.0000	.0006	.0011	.0000
%RSD	15.52	61.93	22.05	1955.	44.75	2.096	156.1	33.11	5.958
#1	.0008	-.0073	-.0170	-.0028	-.0008	-.0009	.0009	.0025	-.0005
#2	.0010	-.0187	-.0124	.0032	-.0016	-.0010	.0000	.0040	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0000**	**-.0226**	**-.0009**	**.0054**	**.0023**	**-.0008**
Stddev	.0000	.0002	.0005	.0001	.0013	.0009	.0003
%RSD	4.142	357.9	2.000	14.85	24.68	38.76	42.90
#1	-.0002	-.0001	-.0223	-.0008	.0044	.0016	-.0006
#2	-.0002	.0002	-.0230	-.0010	.0063	.0029	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82471.**	**14847.**	**1704.3**	**5805.0**
Stddev	84.	1.	7.5	18.3
%RSD	.10164	.00454	.44215	.31444
#1	82530.	14848.	1709.7	5817.9
#2	82411.	14847.	1699.0	5792.1

Zoom In Zoom Out

Sample Name: mp79888-lc1 Acquired: 6/7/2014 3:53:56 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5314**	**.4926**	**.5084**	**.4677**	**.4831**	**.4785**	**.5122**	**.4981**	**.2220**
Stddev	.0030	.0008	.0019	.0026	.0002	.0025	.0005	.0033	.0008
%RSD	.5608	.1615	.3657	.5461	.0423	.5245	.0900	.6591	.3498
#1	.5335	.4931	.5097	.4695	.4830	.4768	.5125	.5004	.2215
#2	.5293	.4920	.5071	.4659	.4833	.4803	.5118	.4958	.2226

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4635**	**.5042**	**.5144**	**.5415**	**.5096**	**.5704**	**.5107**	**5.124**	**5.480**
Stddev	.0003	.0028	.0034	.0008	.0028	.0003	.0006	.009	.022
%RSD	.0732	.5582	.6627	.1410	.5440	.0495	.1259	.1821	.4084
#1	.4633	.5062	.5168	.5410	.5115	.5702	.5112	5.131	5.464
#2	.4637	.5022	.5120	.5420	.5076	.5706	.5103	5.118	5.496

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.830**	**5.460**	**10.44**	**10.28**	**-.0007**	**.4856**	**.0017**	**.0359**	**.0004**
Stddev	.010	.049	.04	.05	.0002	.0018	.0003	.0007	.0005
%RSD	.1788	.9032	.3404	.4735	26.84	.3779	17.67	1.967	128.0
#1	5.837	5.425	10.47	10.31	-.0005	.4869	.0019	.0364	.0008
#2	5.822	5.495	10.42	10.24	-.0008	.4843	.0015	.0354	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5108**	**-.0245**	**-.0007**	**.0052**	**.0006**	**-.0007**
Stddev	.0000	.0001	.0009	.0000	.0007	.0003	.0006
%RSD	6.292	.0173	3.664	1.305	14.02	42.94	92.58
#1	-.0002	.5107	-.0251	-.0007	.0047	.0008	-.0011
#2	-.0002	.5109	-.0238	-.0007	.0057	.0004	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81180.**	**14826.**	**1689.0**	**5567.9**
Stddev	108.	67.	7.2	29.2
%RSD	.13265	.44957	.42487	.52457
#1	81104.	14873.	1683.9	5547.3
#2	81256.	14778.	1694.1	5588.6

Zoom In Zoom Out

Sample Name: mp79888-lc2 Acquired: 6/7/2014 4:00:03 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5549**	**.5112**	**.5037**	**.4643**	**.4737**	**.4682**	**.4971**	**.4947**	**.2151**
Stddev	.0020	.0014	.0078	.0070	.0166	.0141	.0167	.0083	.0072
%RSD	.3543	.2676	1.548	1.516	3.495	3.019	3.352	1.680	3.361
#1	.5536	.5102	.4982	.4593	.4620	.4582	.4853	.4888	.2100
#2	.5563	.5121	.5092	.4693	.4854	.4782	.5088	.5006	.2202

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4541**	**.5025**	**.5098**	**.5382**	**.5060**	**.5644**	**.5067**	**5.367**	**5.656**
Stddev	.0146	.0099	.0081	.0113	.0088	.0082	.0092	.004	.009
%RSD	3.217	1.968	1.585	2.103	1.735	1.445	1.814	.0737	.1545
#1	.4437	.4955	.5040	.5302	.4998	.5587	.5002	5.364	5.650
#2	.4644	.5095	.5155	.5462	.5122	.5702	.5132	5.369	5.662

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.011**	**5.580**	**10.88**	**10.77**	**-.0013**	**.4842**	**.0012**	**.0058**	**.0010**
Stddev	.001	.022	.03	.03	.0012	.0084	.0005	.0003	.0012
%RSD	.0160	.3941	.2450	.2559	92.18	1.744	41.11	5.069	119.8
#1	6.010	5.596	10.86	10.75	-.0022	.4782	.0009	.0056	.0002
#2	6.012	5.564	10.90	10.79	-.0005	.4901	.0016	.0060	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**.4953**	**-.0251**	**-.0010**	**.0023**	**.0007**	**-.0004**
Stddev	.0000	.0160	.0004	.0000	.0005	.0006	.0003
%RSD	3.355	3.234	1.406	2.966	23.11	87.31	64.52
#1	-.0003	.4840	-.0253	-.0010	.0027	.0012	-.0006
#2	-.0003	.5066	-.0248	-.0009	.0019	.0003	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83686.**	**14456.**	**1709.9**	**5630.2**
Stddev	2435.	25.	23.9	75.1
%RSD	2.9095	.17090	1.3987	1.3333
#1	85408.	14439.	1726.8	5683.3
#2	81964.	14474.	1693.0	5577.1

Zoom In Zoom Out

Sample Name: mp79888-s1 Acquired: 6/7/2014 4:06:10 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.253**	**.0550**	**.0715**	**.5284**	**.2134**	**.2702**	**.8049**	**.5551**	**.0621**
Stddev	.001	.0001	.0002	.0006	.0009	.0008	.0004	.0001	.0005
%RSD	.0355	.1916	.2153	.1132	.4197	.2837	.0502	.0188	.7249
#1	2.252	.0549	.0714	.5289	.2140	.2696	.8047	.5551	.0618
#2	2.253	.0551	.0716	.5280	.2128	.2707	.8052	.5550	.0624

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5136**	**.5464**	**2.332**	**2.218**	**.5550**	**2.598**	**.5706**	**2.155**	**128.7**
Stddev	.0005	.0004	.003	.005	.0022	.002	.0006	.004	.5
%RSD	.0933	.0751	.1072	.2416	.3947	.0915	.0966	.1874	.3786
#1	.5132	.5461	2.334	2.222	.5534	2.600	.5709	2.158	128.4
#2	.5139	.5467	2.330	2.214	.5565	2.597	.5702	2.152	129.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.417**	**49.50**	**31.84**	**87.69**	**.1877**	**.0027**	**-.0071**	**5.880**	**.0027**
Stddev	.006	.15	.00	.16	.0005	.0002	.0012	.013	.0002
%RSD	.4298	.3114	.0091	.1856	.2598	6.739	17.27	.2146	9.266
#1	1.413	49.39	31.84	87.58	.1881	.0029	-.0062	5.871	.0028
#2	1.422	49.61	31.84	87.81	.1874	.0026	-.0080	5.889	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2875**	**.0019**	**-.0259**	**.0037**	**46.14**	**.0021**	**.0071**
Stddev	.0002	.0002	.0021	.0000	.09	.0006	.0001
%RSD	.0791	12.30	8.175	.1096	.1902	26.73	2.063
#1	.2873	.0017	-.0274	.0037	46.07	.0024	.0072
#2	.2876	.0020	-.0244	.0037	46.20	.0017	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75856.**	**14391.**	**1583.4**	**4996.6**
Stddev	105.	83.	5.1	11.8
%RSD	.13792	.57644	.32406	.23670
#1	75930.	14450.	1587.1	5004.9
#2	75782.	14332.	1579.8	4988.2

Zoom In Zoom Out

Sample Name: mp79888-s2 Acquired: 6/7/2014 4:12:16 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.210**	**.0543**	**.0708**	**.5237**	**.2108**	**.2661**	**.7889**	**.5494**	**.0610**
Stddev	.001	.0002	.0000	.0007	.0001	.0002	.0017	.0002	.0002
%RSD	.0528	.3835	.0596	.1269	.0516	.0850	.2195	.0403	.3574
#1	2.211	.0544	.0708	.5241	.2108	.2662	.7877	.5495	.0609
#2	2.209	.0541	.0708	.5232	.2107	.2659	.7901	.5492	.0612

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5057**	**.5401**	**2.304**	**2.194**	**.5491**	**2.569**	**.5642**	**2.126**	**125.4**
Stddev	.0012	.0000	.002	.004	.0013	.000	.0011	.018	.3
%RSD	.2468	.0070	.0996	.2050	.2386	.0038	.2014	.8343	.2576
#1	.5048	.5400	2.302	2.191	.5482	2.569	.5634	2.114	125.1
#2	.5066	.5401	2.305	2.197	.5501	2.569	.5650	2.139	125.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.403**	**48.54**	**31.17**	**84.71**	**.1814**	**.0022**	**-.0069**	**5.697**	**.0021**
Stddev	.005	.10	.02	.05	.0002	.0001	.0006	.011	.0001
%RSD	.3884	.2117	.0765	.0593	.1015	6.138	8.130	.1909	2.446
#1	1.407	48.61	31.19	84.67	.1813	.0021	-.0073	5.689	.0021
#2	1.399	48.46	31.15	84.74	.1816	.0023	-.0065	5.705	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2761**	**.0019**	**-.0270**	**.0035**	**44.55**	**.0019**	**.0070**
Stddev	.0007	.0003	.0005	.0001	.13	.0010	.0001
%RSD	.2576	16.99	2.012	3.601	.2823	53.83	2.038
#1	.2766	.0021	-.0267	.0034	44.46	.0027	.0071
#2	.2756	.0016	-.0274	.0036	44.64	.0012	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75852.**	**14319.**	**1583.1**	**4993.5**
Stddev	118.	12.	4.3	9.2
%RSD	.15581	.08523	.27103	.18413
#1	75936.	14311.	1586.1	5000.1
#2	75769.	14328.	1580.0	4987.0

Zoom In Zoom Out

Sample Name: jb68374-7a Acquired: 6/7/2014 4:18:20 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0525**	**.0001**	**.0004**	**.0013**	**.0014**	**.0029**	**.2375**	**.0017**	**.0002**
Stddev	.0000	.0000	.0000	.0001	.0001	.0002	.0001	.0003	.0002
%RSD	.0198	33.36	2.403	7.751	5.626	7.422	.0572	20.03	137.5
#1	.0525	.0001	.0004	.0014	.0015	.0027	.2376	.0020	.0000
#2	.0525	.0001	.0004	.0012	.0013	.0030	.2375	.0015	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**-.0041**	**.0020**	**.0005**	**.0035**	**.0008**	**-.0035**	**-.0015**	**100.4**
Stddev	.0003	.0001	.0005	.0019	.0006	.0005	.0002	.0053	.1
%RSD	133.1	3.254	22.49	408.7	16.46	63.92	6.241	347.5	.0676
#1	-.0005	-.0040	.0017	-.0009	.0031	.0004	-.0037	.0022	100.5
#2	.0000	-.0042	.0023	.0019	.0039	.0012	-.0033	-.0053	100.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2877**	**22.19**	**4.337**	**57.82**	**.1796**	**.0010**	**-.0059**	**5.589**	**.0024**
Stddev	.0039	.02	.015	.10	.0012	.0001	.0001	.059	.0003
%RSD	1.366	.0996	.3412	.1691	.6906	11.29	.9263	1.056	11.40
#1	.2849	22.18	4.326	57.75	.1787	.0010	-.0059	5.547	.0022
#2	.2905	22.21	4.347	57.89	.1805	.0011	-.0058	5.630	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2724**	**.0005**	**-.0248**	**.0031**	**43.75**	**.0024**	**.0068**
Stddev	.0001	.0001	.0000	.0001	.36	.0007	.0004
%RSD	.0223	15.87	.1328	3.000	.8334	29.72	5.763
#1	.2724	.0005	-.0248	.0031	43.50	.0029	.0065
#2	.2723	.0004	-.0248	.0032	44.01	.0019	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78201.**	**14517.**	**1616.6**	**5193.4**
Stddev	54.	3.	15.2	38.4
%RSD	.06902	.02236	.94052	.74013
#1	78163.	14514.	1627.4	5220.6
#2	78239.	14519.	1605.9	5166.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 4:24:35 Type: QC
Method: Accutest1(v125) 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	**2.050**	**2.029**	**2.003**	**1.953**	**1.988**	**2.043**	**2.074**	**2.014**	**.2578**
Stddev	.035	.035	.002	.001	.017	.010	.017	.004	.0019
%RSD	1.721	1.746	.0937	.0430	.8720	.4854	.8375	.1861	.7265
#1	2.075	2.054	2.001	1.953	1.976	2.036	2.062	2.011	.2565
#2	2.025	2.004	2.004	1.954	2.001	2.050	2.086	2.017	.2591
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**	**2.009**	**2.020**	**2.092**	**1.985**	**2.081**	**2.050**	**40.09**	**38.32**
Stddev	.013	.019	.000	.005	.000	.003	.002	.70	.62
%RSD	.6366	.9500	.0082	.2430	.0217	.1203	.0721	1.757	1.607
#1	1.996	2.022	2.020	2.088	1.985	2.083	2.049	40.58	38.76
#2	2.014	1.995	2.020	2.095	1.985	2.079	2.051	39.59	37.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.07**	**38.75**	**39.99**	**39.53**	**2.099**	**2.025**	**2.074**	**5.150**	**2.071**
Stddev	.70	.71	.72	.60	.002	.009	.012	.006	.003
%RSD	1.740	1.835	1.807	1.526	.0814	.4352	.5847	.1129	.1336
#1	40.56	39.25	40.50	39.96	2.098	2.018	2.066	5.146	2.069
#2	39.57	38.25	39.48	39.11	2.100	2.031	2.083	5.154	2.073
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: 6/7/2014 4:24:35 Type: QC
Method: Accutest1(v125) 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	**2.125**	**2.083**	F **1.796**	**2.089**	**2.024**	**2.087**	**2.066**
Stddev	.039	.015	.022	.014	.002	.002	.037
%RSD	1.842	.7019	1.240	.6766	.0883	.0702	1.769
#1	2.153	2.073	1.780	2.079	2.026	2.086	2.092
#2	2.097	2.094	1.812	2.099	2.023	2.088	2.040
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	**77593.**	**14297.**	**1653.9**	**5202.3**
Stddev	497.	191.	3.0	11.9
%RSD	.64026	1.3375	.18292	.22897
#1	77944.	14162.	1651.8	5193.8
#2	77242.	14432.	1656.0	5210.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 4:30:38 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0005**	**.0004**	**.0005**	**.0005**	**.0013**	**.0006**	**.0003**	**.0001**
Stddev	.0000	.0000	.0003	.0002	.0002	.0001	.0000	.0003	.0001
%RSD	6.084	.9111	72.67	30.32	32.07	5.529	2.233	77.41	77.87
#1	.0003	.0005	.0006	.0007	.0004	.0014	.0006	.0005	.0000
#2	.0003	.0005	.0002	.0004	.0007	.0013	.0006	.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0003**	**.0013**	**.0015**	**.0009**	**.0002**	**-.0012**	**-.0009**	**.0091**
Stddev	.0001	.0002	.0000	.0004	.0002	.0003	.0002	.0010	.0005
%RSD	13.07	69.21	1.000	29.52	20.06	194.1	17.71	103.6	5.624
#1	.0006	.0005	.0013	.0012	.0007	.0004	-.0011	-.0016	.0095
#2	.0007	.0002	.0013	.0018	.0010	-.0001	-.0014	-.0002	.0088
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**	**-.0005**	**-.0027**	**.0267**	**.0007**	**.0014**	**.0012**	**.0024**	**.0012**
Stddev	.0035	.0052	.0069	.0021	.0006	.0003	.0004	.0007	.0001
%RSD	39.94	978.8	252.9	7.881	76.90	19.19	32.17	30.40	4.848
#1	.0062	-.0042	-.0076	.0252	.0011	.0016	.0015	.0029	.0012
#2	.0111	.0031	.0021	.0281	.0003	.0012	.0009	.0019	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 4:30:38 Type: QC
Method: Accutest1(v125) 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**	**.0007**	**.0057**	F **.0012**	**.0009**	**.0017**	**.0010**
Stddev	.0001	.0001	.0024	.0001	.0011	.0011	.0001
%RSD	14.30	18.89	41.55	5.603	129.5	67.04	6.494
#1	.0003	.0008	.0073	.0011	.0001	.0025	.0010
#2	.0004	.0006	.0040	.0012	.0017	.0009	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84929.**	**14690.**	**1757.0**	**5887.2**
Stddev	202.	33.	6.9	22.8
%RSD	.23795	.22686	.39281	.38711
#1	84786.	14714.	1761.8	5903.3
#2	85072.	14666.	1752.1	5871.0

Zoom In Zoom Out

Sample Name: mp79888-sd1 Acquired: 6/7/2014 4:36:57 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0535**	**.0022**	**.0020**	**.0043**	**.0036**	**.0077**	**.2398**	**.0038**	**.0015**
Stddev	.0013	.0005	.0006	.0005	.0001	.0016	.0007	.0005	.0006
%RSD	2.498	22.56	28.71	12.10	3.483	20.93	.2952	12.60	42.85
#1	.0545	.0025	.0016	.0039	.0037	.0088	.2393	.0041	.0019
#2	.0526	.0018	.0024	.0046	.0035	.0066	.2403	.0035	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0089**	**.0062**	**.0064**	**.0108**	**-.0082**	**-.0129**	**.0334**	**99.66**
Stddev	.0004	.0005	.0030	.0086	.0031	.0071	.0033	.0094	.91
%RSD	39.73	5.375	48.73	133.7	29.12	85.79	25.64	28.03	.9155
#1	.0007	.0086	.0041	.0125	.0086	-.0132	-.0152	.0400	100.3
#2	.0013	.0092	.0084	.0004	.0130	-.0032	-.0105	.0268	99.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3709**	**21.72**	**4.286**	**56.29**	**.1543**	**.0020**	**-.0040**	**5.480**	**.0086**
Stddev	.0237	.31	.125	.46	.0006	.0005	.0046	.049	.0016
%RSD	6.377	1.445	2.919	.8197	.4104	27.32	115.5	.8963	19.15
#1	.3876	21.95	4.375	56.62	.1548	.0023	-.0007	5.445	.0074
#2	.3542	21.50	4.198	55.97	.1539	.0016	-.0073	5.515	.0097

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2702**	**.0019**	**-.0613**	**.0032**	**40.49**	**.0089**	**.0069**
Stddev	.0033	.0000	.0025	.0002	.35	.0024	.0053
%RSD	1.218	1.002	4.035	6.447	.8523	26.95	76.83
#1	.2725	.0019	-.0630	.0034	40.25	.0072	.0032
#2	.2679	.0019	-.0595	.0031	40.74	.0105	.0107

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82078.**	**14580.**	**1714.0**	**5662.2**
Stddev	67.	36.	.9	3.1
%RSD	.08155	.24533	.05364	.05509
#1	82031.	14555.	1714.7	5664.4
#2	82126.	14606.	1713.4	5660.0

Zoom In Zoom Out

Sample Name: jb68374-8a Acquired: 6/7/2014 4:43:11 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0757**	**.0002**	**.0004**	**.0013**	**.0015**	**.0025**	**.4935**	**.0018**	**.0002**
Stddev	.0002	.0000	.0000	.0005	.0001	.0003	.0106	.0005	.0002
%RSD	.2012	20.46	4.487	34.96	3.584	11.66	2.150	26.63	151.3
#1	.0756	.0002	.0004	.0017	.0015	.0028	.5010	.0021	.0003
#2	.0758	.0002	.0004	.0010	.0015	.0023	.4860	.0015	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0023**	**.0016**	**-.0005**	**.0041**	**-.0017**	**-.0028**	**.0011**	**73.33**
Stddev	.0003	.0002	.0009	.0010	.0008	.0006	.0005	.0027	.06
%RSD	131.0	7.003	57.97	207.3	18.46	35.09	19.26	247.8	.0832
#1	-.0005	-.0024	.0009	.0002	.0035	-.0021	-.0032	.0030	73.29
#2	.0000	-.0021	.0023	-.0012	.0046	-.0012	-.0024	-.0008	73.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3045**	**19.44**	**3.902**	**35.59**	**.1030**	**.0040**	**-.0048**	**4.897**	**.0020**
Stddev	.0044	.08	.005	.10	.0008	.0000	.0005	.010	.0018
%RSD	1.437	.4292	.1365	.2683	.7474	.2142	9.689	.2063	87.09
#1	.3014	19.50	3.898	35.52	.1036	.0040	-.0051	4.889	.0008
#2	.3076	19.38	3.906	35.65	.1025	.0040	-.0044	4.904	.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2502**	**.0003**	**-.0176**	**.0022**	**31.03**	**.0022**	**.0044**
Stddev	.0006	.0000	.0007	.0001	.00	.0001	.0002
%RSD	.2458	10.57	3.705	3.161	.0001	6.004	3.662
#1	.2507	.0004	-.0181	.0022	31.03	.0021	.0045
#2	.2498	.0003	-.0171	.0021	31.03	.0023	.0043

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77821.**	**14654.**	**1630.5**	**5285.2**
Stddev	1399.	22.	8.1	28.3
%RSD	1.7979	.15021	.49389	.53562
#1	76832.	14639.	1636.2	5305.2
#2	78811.	14670.	1624.8	5265.2

Zoom In Zoom Out

Sample Name: jb68374-9a Acquired: 6/7/2014 4:49:24 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th utcqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0537**	**.0001**	**.0003**	**.0011**	**.0007**	**.0028**	**.2862**	**.0017**	**.0002**
Stddev	.0003	.0001	.0000	.0000	.0001	.0002	.0001	.0001	.0000
%RSD	.4704	105.1	7.381	2.247	8.274	7.548	.0478	4.106	12.82
#1	.0535	.0001	.0003	.0011	.0007	.0030	.2861	.0017	.0002
#2	.0539	.0000	.0003	.0011	.0008	.0027	.2863	.0016	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0040**	**.0021**	**.0004**	**.0029**	**-.0029**	**-.0025**	**.0023**	**73.98**
Stddev	.0002	.0002	.0005	.0004	.0001	.0014	.0001	.0057	.45
%RSD	181.0	5.372	24.68	81.68	2.639	49.53	4.806	250.8	.6098
#1	-.0003	-.0038	.0025	.0002	.0030	-.0039	-.0026	.0064	73.66
#2	.0000	-.0041	.0018	.0007	.0029	-.0019	-.0024	-.0018	74.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2907**	**20.29**	**4.197**	**36.11**	**.1216**	**.0041**	**-.0040**	**4.945**	**.0026**
Stddev	.0030	.11	.029	.18	.0003	.0003	.0004	.009	.0009
%RSD	1.027	.5612	.6877	.4940	.2598	6.902	10.77	.1727	34.22
#1	.2885	20.21	4.177	35.99	.1214	.0043	-.0043	4.939	.0019
#2	.2928	20.37	4.218	36.24	.1218	.0039	-.0037	4.951	.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2587**	**.0005**	**-.0182**	**.0025**	**35.52**	**.0026**	**.0064**
Stddev	.0009	.0000	.0006	.0000	.07	.0006	.0005
%RSD	.3656	10.62	3.326	1.718	.1890	23.10	7.278
#1	.2581	.0005	-.0187	.0025	35.47	.0030	.0060
#2	.2594	.0004	-.0178	.0025	35.57	.0022	.0067

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78175.**	**14445.**	**1629.0**	**5267.3**
Stddev	3.	67.	4.5	22.2
%RSD	.00347	.46342	.27839	.42074
#1	78177.	14493.	1632.2	5282.9
#2	78173.	14398.	1625.8	5251.6

Zoom In Zoom Out

Sample Name: jb68272-7 1 Acquired: 6/7/2014 4:55:37 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1628**	**.0001**	**.0112**	**.0016**	**.0013**	**.0114**	**.1068**	**.0208**	**.0004**
Stddev	.0006	.0000	.0002	.0001	.0000	.0002	.0002	.0000	.0000
%RSD	.3863	13.40	1.923	7.351	2.971	1.480	.2329	.1955	10.13
#1	.1624	.0001	.0111	.0015	.0013	.0115	.1070	.0208	.0004
#2	.1633	.0000	.0114	.0017	.0013	.0113	.1067	.0208	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**1.630**	**.0005**	**.0610**	**.0110**	**-.0005**	**-.0023**	**.0049**	**111.8**
Stddev	.000	.002	.0001	.0001	.0002	.0006	.0005	.0024	.2
%RSD	245.3	.1425	14.13	.1789	1.620	125.8	21.95	50.07	.1413
#1	.0000	1.629	.0005	.0609	.0111	.0000	-.0019	.0031	111.9
#2	-.0001	1.632	.0004	.0611	.0109	-.0009	-.0026	.0066	111.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1296**	**10.44**	**3.888**	**5.227**	**.1044**	**.0005**	**-.0064**	**12.43**	**.0027**
Stddev	.0003	.11	.018	.040	.0001	.0000	.0003	.01	.0006
%RSD	.2394	1.014	.4535	.7638	.1089	.9699	5.134	.0790	21.62
#1	.1298	10.52	3.876	5.199	.1045	.0005	-.0062	12.44	.0023
#2	.1294	10.37	3.901	5.256	.1043	.0005	-.0067	12.42	.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5794**	**.0008**	**-.0232**	**.0011**	**28.96**	**.0009**	**.0260**
Stddev	.0003	.0001	.0005	.0001	.06	.0001	.0002
%RSD	.0556	13.06	2.285	7.055	.1976	11.70	.9194
#1	.5791	.0008	-.0229	.0010	29.00	.0010	.0262
#2	.5796	.0009	-.0236	.0011	28.92	.0009	.0258

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78533.**	**14514.**	**1626.9**	**5311.6**
Stddev	95.	68.	1.1	5.5
%RSD	.12071	.46694	.06879	.10288
#1	78466.	14466.	1626.1	5315.5
#2	78600.	14562.	1627.7	5307.7

Zoom In Zoom Out

Sample Name: jb68341-1 Acquired: 6/7/2014 5:01:49 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.739**	**.0084**	**.0226**	**.1074**	**.2116**	**.3743**	**4.143**	**.1923**	**.0119**
Stddev	.002	.0000	.0000	.0002	.0001	.0007	.013	.0002	.0001
%RSD	.0907	.4270	.1242	.1675	.0665	.1839	.3112	.0781	.4850
#1	1.737	.0085	.0226	.1073	.2117	.3738	4.152	.1922	.0119
#2	1.740	.0084	.0225	.1075	.2115	.3748	4.134	.1924	.0118

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2626**	**4.715**	**.0319**	**.1729**	**.3695**	**.0300**	**-.0014**	**92.02**	**74.93**
Stddev	.0007	.004	.0009	.0014	.0002	.0013	.0006	.27	.02
%RSD	.2820	.0860	2.945	.8116	.0412	4.295	45.25	.2969	.0249
#1	.2631	4.718	.0312	.1719	.3694	.0309	-.0019	91.83	74.94
#2	.2621	4.712	.0326	.1739	.3696	.0290	-.0010	92.22	74.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**233.7**	**44.70**	**25.89**	**52.14**	**.0440**	**-.0085**	**-.0153**	**89.90**	**.0073**
Stddev	1.3	.34	.01	.14	.0001	.0005	.0012	.06	.0004
%RSD	.5734	.7606	.0316	.2732	.1283	5.667	7.730	.0639	5.034
#1	234.6	44.94	25.88	52.04	.0440	-.0088	-.0145	89.94	.0075
#2	232.7	44.46	25.89	52.24	.0440	-.0081	-.0161	89.86	.0070

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4011**	**3.689**	**-.0169**	**-.0045**	**6.653**	**-.0071**	**.1408**
Stddev	.0013	.006	.0005	.0003	.035	.0023	.0003
%RSD	.3302	.1506	2.885	6.200	.5268	32.50	.2413
#1	.4020	3.693	-.0165	-.0043	6.678	-.0087	.1410
#2	.4002	3.685	-.0172	-.0047	6.628	-.0055	.1405

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84935.**	**15769.**	**1720.6**	**5220.4**
Stddev	62.	52.	1.9	6.7
%RSD	.07270	.33146	.11295	.12754
#1	84892.	15732.	1721.9	5225.1
#2	84979.	15806.	1719.2	5215.7

Zoom In Zoom Out

Sample Name: jb68341-1f Acquired: 6/7/2014 5:07:56 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2387**	**.0002**	**.0011**	**.0024**	**.0018**	**.0028**	**2.232**	**.0038**	**.0009**
Stddev	.0012	.0000	.0001	.0000	.0003	.0001	.012	.0002	.0003
%RSD	.5123	17.97	4.828	1.943	14.21	4.596	.5207	5.272	29.41
#1	.2396	.0002	.0012	.0024	.0020	.0029	2.224	.0039	.0007
#2	.2378	.0002	.0011	.0025	.0016	.0027	2.240	.0037	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0011**	**.0022**	**.0007**	**.0030**	**.0014**	**-.0033**	**.0201**	**99.79**
Stddev	.0001	.0000	.0003	.0012	.0002	.0005	.0002	.0084	.11
%RSD	238.9	1.521	11.92	181.6	6.446	33.05	5.351	41.61	.1118
#1	.0000	-.0011	.0024	-.0002	.0031	.0011	-.0031	.0142	99.87
#2	.0001	-.0011	.0020	.0015	.0028	.0018	-.0034	.0261	99.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.860**	**28.48**	**9.339**	**114.2**	**.0821**	**.0050**	**-.0059**	**9.179**	**.0021**
Stddev	.002	.12	.051	.5	.0002	.0001	.0010	.029	.0005
%RSD	.0764	.4243	.5477	.4649	.1839	2.031	17.32	.3150	26.05
#1	2.861	28.39	9.375	114.5	.0820	.0050	-.0052	9.199	.0024
#2	2.858	28.56	9.303	113.8	.0822	.0051	-.0066	9.159	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5093**	**.0012**	**-.0204**	**-.0009**	**1.208**	**.0016**	**.0058**
Stddev	.0020	.0000	.0011	.0000	.001	.0001	.0002
%RSD	.3927	3.540	5.612	3.445	.0606	7.660	4.064
#1	.5107	.0012	-.0212	-.0009	1.209	.0017	.0056
#2	.5079	.0012	-.0196	-.0009	1.208	.0015	.0059

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77790.**	**14641.**	**1569.7**	**4967.3**
Stddev	252.	50.	.7	14.6
%RSD	.32426	.34354	.04542	.29381
#1	77968.	14676.	1569.2	4977.6
#2	77611.	14605.	1570.2	4957.0

Zoom In Zoom Out

Sample Name: jb68352-1 Acquired: 6/7/2014 5:14:10 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa 11th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4933**	**.0023**	**.0044**	**.0215**	**.0677**	**.2235**	**1.146**	**.0555**	**.0039**
Stddev	.0003	.0000	.0001	.0001	.0000	.0017	.001	.0002	.0002
%RSD	.0690	.2368	2.483	.2740	.0374	.7609	.0590	.3466	5.287
#1	.4930	.0023	.0045	.0215	.0678	.2223	1.145	.0556	.0037
#2	.4935	.0023	.0043	.0214	.0677	.2247	1.146	.0554	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0856**	**.3860**	**.0164**	**.0136**	**.3717**	**.0118**	**-.0018**	**34.71**	**45.04**
Stddev	.0002	.0003	.0003	.0007	.0019	.0010	.0012	.07	.19
%RSD	.2571	.0683	2.083	5.050	.5017	8.363	66.67	.1891	.4224
#1	.0858	.3858	.0162	.0140	.3704	.0111	-.0010	34.75	45.17
#2	.0855	.3862	.0167	.0131	.3731	.0125	-.0027	34.66	44.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**48.77**	**20.39**	**5.306**	**51.55**	**.0295**	**-.0009**	**-.0061**	**39.06**	**.0180**
Stddev	.05	.00	.025	.09	.0003	.0000	.0005	.01	.0006
%RSD	.0958	.0197	.4804	.1753	.8652	4.981	7.653	.0311	3.114
#1	48.74	20.38	5.288	51.61	.0297	-.0010	-.0064	39.07	.0176
#2	48.81	20.39	5.324	51.48	.0293	-.0009	-.0057	39.05	.0184

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1446**	**.8440**	**-.0196**	**-.0025**	**3.489**	**-.0008**	**.0399**
Stddev	.0005	.0022	.0007	.0001	.007	.0003	.0001
%RSD	.3308	.2624	3.739	3.061	.2045	41.80	.3201
#1	.1443	.8424	-.0201	-.0025	3.494	-.0006	.0399
#2	.1450	.8455	-.0191	-.0024	3.484	-.0010	.0398

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80343.**	**14947.**	**1678.2**	**5212.4**
Stddev	259.	24.	4.6	19.2
%RSD	.32216	.15911	.27299	.36896
#1	80526.	14930.	1681.4	5226.0
#2	80160.	14963.	1674.9	5198.8

Zoom In Zoom Out

Sample Name: mp79889-mb1 2 Acquired: 6/7/2014 5:20:20 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0001**	**.0001**	**.0000**	**.0009**	**.0000**	**-.0002**	**.0000**
Stddev	.0001	.000	.0001	.0002	.000	.0003	.0000	.0002	.0003
%RSD	47.44	210.4	67.37	127.2	2196.	29.88	129.4	133.3	840.9
#1	-.0002	.0000	.0002	.0000	.0001	.0007	.0000	.0000	.0002
#2	-.0001	.0000	.0001	.0003	-.0002	.0011	.0000	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0010**	**-.0007**	**-.0007**	**.0001**	**.0035**	**-.0011**	**-.0098**	**.0087**
Stddev	.0004	.0001	.0006	.0010	.0007	.0006	.0004	.0002	.0001
%RSD	143.4	9.965	83.12	140.1	551.5	15.96	40.62	2.121	1.213
#1	-.0006	.0010	-.0003	-.0014	.0006	.0031	-.0008	-.0097	.0086
#2	.0000	.0009	-.0012	.0000	-.0004	.0039	-.0014	-.0100	.0088

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0076**	**-.0064**	**-.0058**	**.0164**	**-.0011**	**-.0007**	**.0001**	**.0268**	**.0008**
Stddev	.0008	.0005	.0033	.0016	.0003	.0000	.0000	.0007	.0004
%RSD	10.93	7.619	56.23	9.919	32.64	6.258	24.34	2.701	53.30
#1	.0081	-.0067	-.0035	.0175	-.0013	-.0007	.0001	.0273	.0011
#2	.0070	-.0060	-.0081	.0152	-.0008	-.0008	.0001	.0263	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0000**	**-.0135**	**-.0002**	**.0061**	**-.0002**	**-.0009**
Stddev	.0000	.0001	.0003	.0001	.0010	.0007	.0006
%RSD	16.45	581.0	1.999	58.90	16.59	370.3	63.49
#1	-.0002	.0001	-.0133	-.0001	.0068	-.0007	-.0013
#2	-.0002	-.0001	-.0137	-.0002	.0053	.0003	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84301.**	**14703.**	**1718.2**	**5784.9**
Stddev	111.	71.	1.7	1.3
%RSD	.13225	.48338	.09768	.02196
#1	84380.	14653.	1717.1	5784.0
#2	84222.	14754.	1719.4	5785.8

Zoom In Zoom Out

Sample Name: mp79889-lc1 Acquired: 6/7/2014 5:26:39 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5147**	**.4795**	**.4728**	**.4487**	**.4673**	**.4596**	**.4914**	**.4736**	**.2035**
Stddev	.0003	.0001	.0008	.0008	.0001	.0002	.0013	.0006	.0003
%RSD	.0508	.0203	.1778	.1794	.0153	.0392	.2565	.1353	.1254
#1	.5145	.4794	.4722	.4493	.4672	.4597	.4905	.4741	.2033
#2	.5149	.4796	.4734	.4482	.4673	.4595	.4922	.4732	.2036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4497**	**.4821**	**.4814**	**.4920**	**.4739**	**.5204**	**.4755**	**4.975**	**5.389**
Stddev	.0001	.0013	.0014	.0029	.0002	.0029	.0016	.012	.008
%RSD	.0237	.2617	.3008	.5975	.0438	.5491	.3265	.2351	.1476
#1	.4498	.4830	.4803	.4899	.4738	.5224	.4744	4.966	5.395
#2	.4497	.4812	.4824	.4940	.4741	.5184	.4766	4.983	5.384

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.570**	**5.171**	**10.06**	**9.982**	**-.0006**	**.4761**	**.0011**	**.0078**	**.0012**
Stddev	.009	.008	.02	.001	.0002	.0011	.0004	.0008	.0002
%RSD	.1667	.1553	.2054	.0083	36.63	.2315	37.27	10.53	13.00
#1	5.564	5.177	10.05	9.983	-.0005	.4754	.0014	.0084	.0011
#2	5.577	5.165	10.08	9.982	-.0008	.4769	.0008	.0072	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4924**	**-.0104**	**.0038**	**.0046**	**-.0009**	**.0003**
Stddev	.0000	.0004	.0004	.0002	.0016	.0003	.0004
%RSD	14.09	.0755	4.139	4.548	33.55	32.93	123.3
#1	-.0002	.4921	-.0107	.0040	.0035	-.0007	.0005
#2	-.0002	.4926	-.0101	.0037	.0057	-.0011	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81663.**	**14651.**	**1690.0**	**5559.9**
Stddev	61.	23.	1.0	2.9
%RSD	.07419	.15900	.05667	.05254
#1	81706.	14635.	1690.7	5557.8
#2	81621.	14668.	1689.3	5562.0

Zoom In Zoom Out

Sample Name: mp79889-s1 Acquired: 6/7/2014 5:32:46 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.147**	**.0536**	**.0657**	**.4989**	**.2035**	**.2573**	**.9112**	**.5228**	**.0558**
Stddev	.000	.0000	.0003	.0016	.0002	.0005	.0000	.0010	.0002
%RSD	.0066	.0696	.4226	.3203	.0841	.1971	.0020	.1858	.3100
#1	2.147	.0537	.0655	.5000	.2036	.2569	.9112	.5235	.0559
#2	2.147	.0536	.0659	.4978	.2033	.2576	.9113	.5221	.0557

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4901**	**.5095**	**2.125**	**2.034**	**.5087**	**2.277**	**.5221**	**2.304**	**100.8**
Stddev	.0013	.0006	.002	.001	.0009	.001	.0016	.014	.7
%RSD	.2562	.1081	.0957	.0516	.1845	.0337	.3104	.6008	.6716
#1	.4910	.5099	2.127	2.035	.5093	2.277	.5210	2.314	101.3
#2	.4893	.5092	2.124	2.034	.5080	2.276	.5233	2.294	100.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.361**	**52.14**	**27.81**	**47.32**	**.3344**	**.0027**	**-.0050**	**9.750**	**.0031**
Stddev	.002	.01	.06	.08	.0005	.0002	.0001	.007	.0006
%RSD	.1318	.0123	.2300	.1762	.1435	8.914	1.899	.0691	20.41
#1	1.360	52.15	27.86	47.38	.3341	.0029	-.0049	9.745	.0036
#2	1.362	52.14	27.76	47.26	.3348	.0025	-.0050	9.755	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3460**	**.0073**	**-.0173**	**.0029**	**16.67**	**-.0001**	**.0035**
Stddev	.0010	.0004	.0003	.0000	.06	.0007	.0000
%RSD	.2945	5.941	1.686	.5141	.3384	818.9	1.124
#1	.3453	.0076	-.0175	.0029	16.63	-.0005	.0035
#2	.3467	.0070	-.0171	.0029	16.71	.0004	.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78687.**	**14472.**	**1630.9**	**5131.1**
Stddev	65.	50.	1.1	3.0
%RSD	.08262	.34652	.06523	.05857
#1	78733.	14437.	1631.6	5129.0
#2	78641.	14508.	1630.1	5133.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 5:38:52 Type: QC
Method: Accutest1(v125) 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	**2.020**	**1.994**	**1.976**	**1.944**	**1.944**	**1.978**	**2.018**	**2.006**	**.2495**
Stddev	.001	.002	.000	.003	.003	.001	.004	.002	.0008
%RSD	.0522	.0805	.0116	.1379	.1261	.0417	.1843	.1111	.3012
#1	2.020	1.995	1.976	1.942	1.946	1.979	2.015	2.004	.2489
#2	2.019	1.992	1.977	1.946	1.943	1.977	2.021	2.007	.2500
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**	**1.979**	**2.001**	**2.072**	**1.973**	**2.057**	**2.017**	**39.72**	**37.92**
Stddev	.000	.000	.002	.007	.002	.005	.001	.03	.03
%RSD	.0100	.0113	.0881	.3264	.0913	.2412	.0280	.0696	.0725
#1	1.954	1.979	2.000	2.077	1.972	2.061	2.017	39.70	37.90
#2	1.954	1.980	2.003	2.067	1.975	2.054	2.017	39.74	37.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.92**	**37.57**	**39.46**	**39.26**	**2.067**	**1.998**	**2.006**	**5.072**	**2.051**
Stddev	.00	.06	.02	.02	.002	.001	.001	.001	.001
%RSD	.0028	.1582	.0438	.0605	.0897	.0518	.0635	.0242	.0695
#1	38.92	37.53	39.48	39.28	2.066	1.997	2.005	5.071	2.050
#2	38.92	37.61	39.45	39.24	2.069	1.998	2.007	5.073	2.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 5:38:52 Type: QC
Method: Accutest1(v125) 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	**2.067**	**2.021**	F **1.767**	**2.020**	**1.993**	**2.053**	**2.027**
Stddev	.000	.005	.015	.007	.004	.000	.003
%RSD	.0042	.2396	.8480	.3511	.1779	.0038	.1681
#1	2.067	2.018	1.756	2.015	1.996	2.053	2.029
#2	2.067	2.024	1.777	2.025	1.991	2.053	2.024
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	**80613.**	**14701.**	**1697.1**	**5305.7**
Stddev	79.	21.	3.7	12.0
%RSD	.09817	.13983	.21951	.22603
#1	80669.	14716.	1699.7	5314.2
#2	80557.	14686.	1694.4	5297.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 5:44:55 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0005**	F **.0012**	**.0013**	**.0007**	F **.0021**	**.0008**	F **.0012**	**.0003**
Stddev	.0001	.0000	.0001	.0003	.0003	.0002	.0002	.0002	.0000
%RSD	15.61	3.004	9.237	19.80	41.62	11.45	21.51	16.47	10.63
#1	.0004	.0005	.0013	.0015	.0005	.0019	.0007	.0013	.0003
#2	.0004	.0005	.0012	.0012	.0009	.0023	.0009	.0011	.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006			.0018		.0010	
Low Limit			-.0006			-.0018		-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0013**	**.0021**	F **.0030**	**.0016**	**.0010**	**.0001**	**-.0007**	**.0099**
Stddev	.0001	.0000	.0006	.0001	.0000	.0000	.0007	.0024	.0005
%RSD	12.28	3.601	30.80	2.018	.1667	1.400	1152.	328.6	4.610
#1	.0008	.0013	.0016	.0030	.0016	.0010	-.0004	.0010	.0102
#2	.0010	.0013	.0025	.0029	.0016	.0010	.0005	-.0024	.0096
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	**.0097**	**.0172**	**-.0001**	**.0175**	**.0011**	F **.0021**	**.0013**	**.0056**	**.0016**
Stddev	.0010	.0005	.0032	.0005	.0002	.0006	.0009	.0003	.0000
%RSD	10.36	2.643	4319.	2.653	18.01	26.93	68.04	4.671	2.635
#1	.0090	.0169	.0022	.0172	.0012	.0025	.0007	.0054	.0016
#2	.0104	.0175	-.0023	.0179	.0009	.0017	.0020	.0058	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 5:44:55 Type: QC
Method: Accutest1(v125) 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**	F **.0010**	**.0068**	F **.0014**	**.0031**	F **.0022**	**.0003**
Stddev	.0000	.0004	.0017	.0000	.0008	.0001	.0006
%RSD	11.11	36.23	25.40	1.399	27.56	6.503	196.9
#1	.0004	.0008	.0081	.0013	.0037	.0023	-.0001
#2	.0004	.0013	.0056	.0014	.0025	.0021	.0008
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.0010		.0010		.0021	
Low Limit		-.0010		-.0010		-.0021	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**82685.**	**14660.**	**1761.7**	**5867.1**
Stddev	280.	13.	.3	9.6
%RSD	.33840	.08849	.01630	.16443
#1	82487.	14651.	1761.9	5860.3
#2	82883.	14669.	1761.5	5874.0

Zoom In Zoom Out

Sample Name: mp79889-s2 Acquired: 6/7/2014 5:51:15 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.113**	**.0525**	**.0640**	**.4939**	**.2017**	**.2534**	**.8827**	**.5154**	**.0547**
Stddev	.017	.0005	.0001	.0027	.0040	.0046	.0183	.0033	.0009
%RSD	.8233	.8750	.1952	.5471	1.975	1.796	2.074	.6369	1.689
#1	2.101	.0522	.0641	.4958	.1989	.2501	.8698	.5177	.0540
#2	2.126	.0529	.0639	.4920	.2045	.2566	.8957	.5131	.0553

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4856**	**.5046**	**2.099**	**2.009**	**.5039**	**2.247**	**.5156**	**2.276**	**98.90**
Stddev	.0092	.0027	.016	.009	.0030	.024	.0034	.029	1.06
%RSD	1.893	.5371	.7668	.4440	.6031	1.059	.6552	1.251	1.072
#1	.4791	.5065	2.110	2.016	.5061	2.264	.5180	2.256	98.15
#2	.4921	.5027	2.087	2.003	.5018	2.230	.5132	2.297	99.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.343**	**51.13**	**27.28**	**46.39**	**.3270**	**.0033**	**-.0046**	**9.577**	**.0023**
Stddev	.011	.56	.26	.43	.0009	.0001	.0008	.069	.0002
%RSD	.8147	1.103	.9467	.9220	.2895	2.301	18.26	.7220	6.995
#1	1.336	50.73	27.09	46.08	.3276	.0033	-.0040	9.626	.0024
#2	1.351	51.53	27.46	46.69	.3263	.0032	-.0052	9.528	.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3382**	**.0068**	**.0015**	**.0076**	**16.33**	**-.0006**	**.0034**
Stddev	.0027	.0000	.0024	.0002	.11	.0007	.0002
%RSD	.8057	.3754	162.3	3.045	.6574	124.9	6.994
#1	.3363	.0068	.0032	.0077	16.41	-.0001	.0036
#2	.3402	.0068	-.0002	.0074	16.26	-.0010	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79449.**	**14600.**	**1643.6**	**5172.4**
Stddev	1354.	135.	12.6	28.2
%RSD	1.7041	.92183	.76402	.54592
#1	80406.	14695.	1634.7	5152.4
#2	78491.	14504.	1652.5	5192.3

Zoom In Zoom Out

Sample Name: jb68220-1 Acquired: 6/7/2014 5:57:18 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0508**	**.0000**	**.0006**	**.0011**	**.0017**	**.0059**	**.3820**	**.0018**	**.0002**
Stddev	.0004	.0000	.0001	.0001	.0002	.0001	.0004	.0000	.0001
%RSD	.8682	27680.	11.62	10.59	9.433	1.462	.1087	2.654	26.08
#1	.0504	.0000	.0006	.0010	.0016	.0058	.3817	.0018	.0003
#2	.0511	.0000	.0005	.0012	.0018	.0059	.3823	.0018	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**-.0011**	**.0017**	**-.0019**	**.0022**	**.0012**	**-.0008**	**.2053**	**74.02**
Stddev	.0003	.0001	.0009	.0008	.0002	.0015	.0010	.0039	.33
%RSD	13.15	5.424	52.25	42.46	9.361	124.3	121.5	1.913	.4492
#1	.0024	-.0012	.0023	-.0025	.0020	.0022	-.0001	.2081	74.25
#2	.0020	-.0011	.0010	-.0013	.0023	.0001	-.0015	.2025	73.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2931**	**27.30**	**1.969**	**21.04**	**.3274**	**.0018**	**-.0051**	**9.502**	**.0035**
Stddev	.0039	.24	.034	.05	.0021	.0001	.0012	.018	.0003
%RSD	1.322	.8795	1.701	.2553	.6277	4.178	23.78	.1933	8.307
#1	.2959	27.47	1.946	21.00	.3288	.0019	-.0059	9.515	.0037
#2	.2904	27.13	1.993	21.08	.3259	.0018	-.0042	9.489	.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3495**	**.0064**	**-.0056**	**.0013**	**16.18**	**.0008**	**.0033**
Stddev	.0010	.0006	.0009	.0000	.01	.0000	.0002
%RSD	.2738	8.682	15.58	2.970	.0930	1.704	7.078
#1	.3488	.0060	-.0050	.0013	16.19	.0008	.0035
#2	.3501	.0068	-.0063	.0013	16.17	.0008	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78304.**	**14748.**	**1671.1**	**5362.8**
Stddev	99.	69.	5.8	21.5
%RSD	.12672	.46549	.34688	.40012
#1	78374.	14700.	1667.0	5347.7
#2	78234.	14797.	1675.2	5378.0

Zoom In Zoom Out

Sample Name: mp79889-sd1 Acquired: 6/7/2014 6:03:30 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0509**	**-.0001**	**.0023**	**.0035**	**.0038**	**.0084**	**.3804**	**.0033**	**.0001**
Stddev	.0001	.0002	.0000	.0013	.0006	.0005	.0007	.0007	.0011
%RSD	.2943	252.3	1.213	37.90	14.73	6.406	.1901	21.94	749.9
#1	.0510	.0001	.0023	.0026	.0034	.0080	.3809	.0038	.0009
#2	.0508	-.0002	.0022	.0045	.0042	.0088	.3799	.0028	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0137**	**.0018**	**.0011**	**.0072**	**.0033**	**-.0068**	**.2047**	**76.42**
Stddev	.0014	.0002	.0004	.0033	.0026	.0018	.0018	.0099	.13
%RSD	110.2	1.347	25.10	301.1	35.37	55.71	25.93	4.841	.1680
#1	.0003	.0136	.0014	-.0013	.0091	.0020	-.0080	.2117	76.33
#2	.0023	.0138	.0021	.0035	.0054	.0046	-.0055	.1977	76.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4131**	**27.15**	**1.876**	**21.23**	**.3249**	**-.0012**	**-.0031**	**9.893**	**.0089**
Stddev	.0016	.02	.019	.14	.0060	.0008	.0001	.135	.0002
%RSD	.3916	.0748	1.020	.6390	1.832	73.68	1.993	1.362	2.277
#1	.4119	27.16	1.889	21.14	.3291	-.0006	-.0030	9.988	.0088
#2	.4142	27.13	1.862	21.33	.3206	-.0018	-.0031	9.798	.0091

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3440**	**.0076**	**-.0740**	**-.0009**	**16.40**	**.0060**	**.0015**
Stddev	.0008	.0014	.0008	.0004	.19	.0027	.0021
%RSD	.2450	18.12	1.115	42.32	1.147	44.49	136.6
#1	.3434	.0086	-.0734	-.0007	16.53	.0079	.0001
#2	.3446	.0067	-.0746	-.0012	16.27	.0041	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83266.**	**14774.**	**1704.4**	**5651.4**
Stddev	8.	1.	20.0	60.6
%RSD	.00920	.00460	1.1763	1.0724
#1	83272.	14774.	1690.2	5608.5
#2	83261.	14775.	1718.6	5694.3

Zoom In Zoom Out

Sample Name: jb68220-2 Acquired: 6/7/2014 6:09:44 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0570**	**.0000**	**.0006**	**.0009**	**.0012**	**.0034**	**.2067**	**.0427**	**.0002**
Stddev	.0006	.0000	.0002	.0002	.0000	.0002	.0005	.0013	.0002
%RSD	1.017	51.88	27.55	20.18	4.099	5.248	.2502	3.017	79.96
#1	.0566	.0000	.0005	.0010	.0011	.0036	.2071	.0417	.0003
#2	.0574	.0000	.0008	.0007	.0012	.0033	.2064	.0436	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0012**	**.0011**	**-.0031**	**.0017**	**.0017**	**-.0022**	**-.0087**	**65.36**
Stddev	.0001	.0002	.0007	.0006	.0005	.0025	.0008	.0041	.86
%RSD	42.85	14.36	67.74	20.00	30.21	141.5	35.85	47.51	1.323
#1	.0003	-.0010	.0006	-.0035	.0021	.0035	-.0016	-.0116	64.75
#2	.0002	-.0013	.0016	-.0026	.0014	.0000	-.0028	-.0057	65.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0104**	**21.77**	**1.643**	**30.66**	**.1345**	**.0030**	**-.0033**	**9.394**	**.0035**
Stddev	.0006	.32	.015	.14	.0054	.0002	.0008	.347	.0007
%RSD	5.526	1.452	.9286	.4449	4.024	6.938	22.86	3.694	20.26
#1	.0108	21.55	1.632	30.56	.1307	.0028	-.0028	9.148	.0030
#2	.0100	22.00	1.654	30.75	.1383	.0031	-.0039	9.639	.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2764**	**.0003**	**-.0106**	**.0003**	**9.181**	**.0002**	**.0012**
Stddev	.0011	.0000	.0003	.0001	.332	.0001	.0002
%RSD	.3883	5.669	2.866	36.29	3.620	52.05	14.78
#1	.2757	.0003	-.0108	.0004	8.946	.0003	.0014
#2	.2772	.0004	-.0104	.0002	9.416	.0001	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78976.**	**14611.**	**1612.9**	**5187.3**
Stddev	362.	184.	50.3	156.8
%RSD	.45778	1.2574	3.1217	3.0227
#1	78720.	14740.	1648.5	5298.2
#2	79232.	14481.	1577.3	5076.5

Zoom In Zoom Out

Sample Name: jb68220-3 Acquired: 6/7/2014 6:15:57 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1541**	**.0000**	**.0052**	**.0008**	**.0012**	**.0028**	**.1651**	**.0010**	**.0000**
Stddev	.0014	.0000	.0000	.0001	.0003	.0005	.0012	.0001	.000
%RSD	.9335	38.17	.5810	9.368	24.12	16.17	.7437	11.41	298.8
#1	.1551	.0001	.0051	.0008	.0010	.0031	.1659	.0011	.0000
#2	.1531	.0000	.0052	.0007	.0014	.0025	.1642	.0009	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**1.391**	**.0009**	**.0518**	**.0024**	**.0027**	**-.0022**	**.0062**	**199.4**
Stddev	.0001	.012	.0001	.0010	.0010	.0012	.0009	.0028	.6
%RSD	88.38	.8243	7.986	1.973	40.31	44.16	42.26	45.29	.3116
#1	-.0001	1.399	.0008	.0525	.0017	.0035	-.0029	.0082	199.8
#2	-.0002	1.383	.0009	.0511	.0031	.0019	-.0015	.0042	198.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2436**	**70.48**	**2.783**	**95.64**	**.1458**	**.0017**	**-.0104**	**10.55**	**.0030**
Stddev	.0024	.20	.028	.82	.0026	.0001	.0012	.15	.0006
%RSD	.9731	.2846	.9982	.8546	1.793	6.707	11.84	1.394	19.77
#1	.2453	70.63	2.802	96.22	.1477	.0016	-.0112	10.65	.0026
#2	.2419	70.34	2.763	95.07	.1440	.0018	-.0095	10.44	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9346**	**.0012**	**-.0181**	**.0006**	**13.31**	**-.0003**	**.0021**
Stddev	.0068	.0005	.0008	.0000	.15	.0001	.0007
%RSD	.7280	39.57	4.308	7.495	1.137	27.20	31.14
#1	.9395	.0009	-.0175	.0006	13.42	-.0003	.0017
#2	.9298	.0015	-.0186	.0007	13.21	-.0004	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77689.**	**14167.**	**1600.1**	**5000.5**
Stddev	348.	52.	21.3	66.9
%RSD	.44751	.36772	1.3308	1.3379
#1	77443.	14130.	1585.0	4953.1
#2	77935.	14204.	1615.1	5047.8

Zoom In Zoom Out

Sample Name: jb68220-4 Acquired: 6/7/2014 6:22:09 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0583**	**.0000**	**.0007**	**.0005**	**.0009**	**.0022**	**.3776**	**.0004**	**.0002**
Stddev	.0004	.0000	.0002	.0002	.0001	.0002	.0007	.0000	.0002
%RSD	.6363	344.8	34.50	45.48	12.77	10.27	.1899	1.879	79.02
#1	.0580	.0000	.0009	.0007	.0008	.0020	.3771	.0004	.0001
#2	.0585	.0000	.0005	.0004	.0010	.0024	.3781	.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0067**	**.0041**	**-.0018**	**.0028**	**.0021**	**-.0009**	**-.0010**	**80.77**
Stddev	.0000	.0001	.0000	.0014	.0001	.0015	.0001	.0028	.11
%RSD	6.191	1.594	.9921	76.68	4.367	69.48	8.096	272.8	.1348
#1	-.0003	-.0068	.0042	-.0028	.0029	.0011	-.0009	-.0030	80.69
#2	-.0002	-.0066	.0041	-.0008	.0027	.0032	-.0010	.0010	80.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7572**	**27.27**	**1.475**	**25.05**	**.0977**	**.0061**	**-.0035**	**10.76**	**.0038**
Stddev	.0020	.09	.004	.13	.0006	.0000	.0005	.08	.0000
%RSD	.2675	.3346	.2906	.5255	.5832	.1478	13.84	.7703	.3367
#1	.7558	27.20	1.472	24.95	.0982	.0060	-.0032	10.82	.0038
#2	.7587	27.33	1.478	25.14	.0973	.0061	-.0039	10.70	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3384**	**.0004**	**-.0157**	**.0002**	**12.02**	**-.0002**	**.0009**
Stddev	.0023	.0001	.0017	.0000	.06	.0005	.0000
%RSD	.6845	21.38	10.64	1.583	.4611	323.2	.3021
#1	.3367	.0004	-.0145	.0002	12.06	-.0005	.0009
#2	.3400	.0005	-.0169	.0002	11.98	.0002	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79092.**	**14446.**	**1662.1**	**5346.0**
Stddev	12.	17.	10.7	33.7
%RSD	.01532	.11731	.64406	.63044
#1	79100.	14458.	1654.6	5322.1
#2	79083.	14434.	1669.7	5369.8

Zoom In Zoom Out

Sample Name: jb68220-5 Acquired: 6/7/2014 6:28:23 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0426**	**.0000**	**.0006**	**.0007**	**.0013**	**.0034**	**.0273**	**.0005**	**.0001**
Stddev	.0002	.0001	.0000	.0001	.0003	.0000	.0000	.0002	.0002
%RSD	.3615	295.7	6.213	10.84	24.38	1.245	.0646	32.50	140.8
#1	.0428	.0000	.0006	.0007	.0010	.0034	.0273	.0004	.0000
#2	.0425	.0001	.0006	.0008	.0015	.0035	.0273	.0006	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**-.0022**	**.0017**	**-.0030**	**.0025**	**.0022**	**-.0010**	**.0046**	**72.51**
Stddev	.0000	.0000	.0002	.0019	.0005	.0002	.0002	.0020	.40
%RSD	3.811	1.538	10.24	63.93	20.25	7.780	18.52	44.07	.5468
#1	.0003	-.0022	.0016	-.0044	.0022	.0024	-.0011	.0032	72.80
#2	.0003	-.0022	.0018	-.0017	.0029	.0021	-.0009	.0061	72.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0404**	**25.28**	**2.562**	**30.31**	**.1261**	**.0198**	**-.0039**	**8.451**	**.0036**
Stddev	.0007	.01	.011	.07	.0010	.0001	.0008	.034	.0002
%RSD	1.722	.0265	.4232	.2351	.8328	.2859	20.06	.3969	6.319
#1	.0399	25.28	2.554	30.36	.1253	.0198	-.0034	8.427	.0034
#2	.0409	25.28	2.570	30.26	.1268	.0197	-.0045	8.474	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3431**	**.0048**	**-.0072**	**.0009**	**9.684**	**.0009**	**.0013**
Stddev	.0004	.0004	.0001	.0002	.079	.0000	.0003
%RSD	.1182	8.080	.9768	19.34	.8179	2.639	20.75
#1	.3428	.0051	-.0073	.0008	9.628	.0010	.0011
#2	.3433	.0046	-.0072	.0011	9.740	.0009	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79319.**	**14456.**	**1669.2**	**5360.7**
Stddev	107.	29.	3.0	1.8
%RSD	.13429	.20137	.17725	.03406
#1	79244.	14435.	1671.3	5361.9
#2	79394.	14476.	1667.1	5359.4

Zoom In Zoom Out

Sample Name: jb68220-6 Acquired: 6/7/2014 6:34:35 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0649**	**.0001**	**.0007**	**.0008**	**.0033**	**.0028**	**.4085**	**.0013**	**.0004**
Stddev	.0001	.0000	.0003	.0002	.0001	.0000	.0004	.0004	.0003
%RSD	.0878	35.50	35.69	31.35	4.464	1.133	.1057	31.22	80.83
#1	.0649	.0001	.0009	.0006	.0034	.0028	.4082	.0016	.0006
#2	.0650	.0000	.0005	.0009	.0032	.0027	.4088	.0010	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**-.0030**	**.0022**	**-.0012**	**.0023**	**.0005**	**-.0024**	**.5302**	**86.48**
Stddev	.0001	.0001	.0007	.0017	.0000	.0005	.0007	.0014	.06
%RSD	7.464	3.713	32.10	140.7	.8101	104.9	29.41	.2654	.0732
#1	.0013	-.0029	.0017	.0000	.0023	.0009	-.0019	.5312	86.53
#2	.0012	-.0030	.0026	-.0025	.0022	.0001	-.0029	.5292	86.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8810**	**32.50**	**2.200**	**30.10**	**.1377**	**.0081**	**-.0052**	**11.37**	**.0030**
Stddev	.0051	.02	.027	.02	.0010	.0000	.0007	.01	.0008
%RSD	.5812	.0492	1.221	.0578	.7227	.5505	14.33	.0957	25.52
#1	.8846	32.51	2.219	30.09	.1384	.0081	-.0047	11.38	.0025
#2	.8774	32.49	2.181	30.12	.1370	.0081	-.0057	11.37	.0035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3978**	**.0209**	**-.0166**	**.0010**	**19.21**	**-.0006**	**.0021**
Stddev	.0002	.0001	.0002	.0001	.02	.0002	.0006
%RSD	.0437	.2942	1.115	6.541	.0989	32.97	27.12
#1	.3979	.0209	-.0165	.0010	19.22	-.0008	.0025
#2	.3977	.0210	-.0168	.0010	19.20	-.0005	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79647.**	**14482.**	**1670.9**	**5340.0**
Stddev	100.	39.	3.8	11.7
%RSD	.12596	.26928	.22555	.21966
#1	79576.	14454.	1668.3	5331.7
#2	79718.	14509.	1673.6	5348.3

Zoom In Zoom Out

Sample Name: jb68220-7 Acquired: 6/7/2014 6:40:49 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0660**	**.0000**	**.0007**	**.0008**	**.0011**	**.0022**	**.8567**	**.0007**	**.0007**
Stddev	.0000	.0000	.0001	.0000	.0002	.0002	.0000	.0000	.0001
%RSD	.0574	106.2	8.303	.5916	15.30	9.105	.0055	5.338	21.16
#1	.0660	.0000	.0007	.0008	.0009	.0021	.8567	.0007	.0006
#2	.0660	.0000	.0006	.0008	.0012	.0024	.8566	.0007	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**-.0064**	**.0009**	**-.0040**	**.0025**	**.0015**	**-.0017**	**.0302**	**98.20**
Stddev	.0002	.0001	.0000	.0005	.0000	.0017	.0001	.0015	.03
%RSD	114.3	1.058	.5579	12.30	.9904	114.2	7.010	4.911	.0285
#1	.0000	-.0065	.0009	-.0036	.0025	.0003	-.0016	.0312	98.22
#2	-.0003	-.0064	.0009	-.0043	.0025	.0027	-.0017	.0291	98.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4839**	**40.55**	**2.066**	**29.26**	**.0974**	**.0039**	**-.0047**	**10.11**	**.0032**
Stddev	.0011	.15	.009	.00	.0010	.0000	.0009	.01	.0008
%RSD	.2252	.3699	.4358	.0095	1.060	.0207	18.74	.1051	23.87
#1	.4847	40.45	2.060	29.26	.0982	.0039	-.0053	10.11	.0027
#2	.4831	40.66	2.072	29.25	.0967	.0039	-.0041	10.10	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4338**	**.0015**	**-.0184**	**.0005**	**17.17**	**.0003**	**.0012**
Stddev	.0001	.0002	.0008	.0000	.04	.0006	.0004
%RSD	.0187	13.34	4.187	4.988	.2328	201.8	31.58
#1	.4339	.0016	-.0179	.0006	17.14	.0007	.0015
#2	.4338	.0014	-.0190	.0005	17.20	-.0001	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79476.**	**14431.**	**1662.5**	**5304.6**
Stddev	122.	8.	4.8	9.6
%RSD	.15332	.05642	.28784	.18075
#1	79390.	14436.	1659.1	5297.9
#2	79562.	14425.	1665.9	5311.4

Zoom In Zoom Out

Sample Name: jb68220-1f Acquired: 6/7/2014 6:47:04 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0359**	**.0000**	**.0006**	**.0007**	**.0010**	**.0049**	**.0009**	**.0022**	**.0003**
Stddev	.0000	.000	.0001	.0000	.0004	.0001	.0000	.0003	.0001
%RSD	.0416	21.43	19.53	5.501	39.34	2.482	3.924	14.50	43.33
#1	.0359	.0000	.0006	.0007	.0013	.0049	.0009	.0020	.0004
#2	.0359	.0000	.0005	.0007	.0007	.0048	.0009	.0024	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0030**	**.0012**	**-.0008**	**.0021**	**.0015**	**-.0015**	**-.0025**	**74.58**
Stddev	.0003	.0001	.0003	.0001	.0005	.0001	.0006	.0082	.30
%RSD	22.24	4.263	23.92	8.262	25.82	9.349	41.56	330.3	.4053
#1	.0017	-.0029	.0014	-.0007	.0025	.0015	-.0011	-.0083	74.79
#2	.0012	-.0031	.0010	-.0008	.0017	.0014	-.0020	.0033	74.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**26.23**	**2.108**	**20.91**	**.3328**	**.0012**	**-.0043**	**9.017**	**.0035**
Stddev	.0014	.09	.007	.13	.0007	.0000	.0007	.003	.0001
%RSD	21.58	.3367	.3327	.6262	.2112	3.901	17.33	.0353	3.595
#1	.0057	26.30	2.113	21.00	.3323	.0012	-.0038	9.015	.0034
#2	.0077	26.17	2.103	20.82	.3333	.0011	-.0048	9.019	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3442**	**.0004**	**-.0145**	**.0008**	**15.52**	**.0009**	**.0027**
Stddev	.0016	.0001	.0002	.0002	.02	.0003	.0000
%RSD	.4757	36.60	1.649	18.49	.1358	35.15	.0897
#1	.3454	.0005	-.0147	.0009	15.54	.0011	.0027
#2	.3431	.0003	-.0144	.0007	15.51	.0007	.0027

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79251.**	**14375.**	**1667.4**	**5371.8**
Stddev	71.	75.	2.4	8.1
%RSD	.08998	.52077	.14404	.15002
#1	79301.	14322.	1665.7	5366.1
#2	79200.	14428.	1669.1	5377.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 6:53:20 Type: QC
Method: Accutest1(v125) 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	**2.038**	**2.023**	**1.979**	**1.946**	**1.955**	**1.983**	**2.044**	**2.015**	**.2529**
Stddev	.007	.002	.004	.004	.009	.001	.003	.004	.0010
%RSD	.3587	.0962	.1805	.2176	.4521	.0425	.1357	.2001	.3802
#1	2.043	2.025	1.981	1.949	1.949	1.984	2.042	2.018	.2535
#2	2.032	2.022	1.976	1.943	1.962	1.982	2.046	2.012	.2522
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	**1.963**	**1.999**	**2.004**	**2.079**	**1.984**	**2.062**	**2.023**	**39.79**	**37.86**
Stddev	.006	.006	.004	.000	.003	.004	.003	.02	.14
%RSD	.3161	.2887	.1726	.0141	.1547	.1881	.1623	.0584	.3612
#1	1.959	2.003	2.007	2.079	1.986	2.059	2.026	39.81	37.76
#2	1.968	1.995	2.002	2.079	1.982	2.065	2.021	39.78	37.96
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	**39.86**	**38.63**	**39.83**	**39.28**	**2.072**	**2.004**	**2.022**	**5.081**	**2.063**
Stddev	.06	.01	.04	.11	.001	.002	.003	.005	.004
%RSD	.1382	.0177	.0890	.2677	.0588	.0869	.1305	.0910	.2055
#1	39.90	38.62	39.86	39.35	2.072	2.005	2.023	5.085	2.066
#2	39.82	38.63	39.81	39.20	2.073	2.003	2.020	5.078	2.060
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: 6/7/2014 6:53:20 Type: QC
Method: Accutest1(v125) 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	**2.116**	**2.047**	F **1.759**	**2.048**	**2.001**	**2.055**	**2.056**
Stddev	.007	.000	.013	.001	.001	.001	.011
%RSD	.3393	.0162	.7375	.0514	.0239	.0285	.5269
#1	2.121	2.047	1.750	2.049	2.001	2.055	2.063
#2	2.111	2.047	1.769	2.047	2.001	2.055	2.048
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	**79716.**	**14431.**	**1698.5**	**5309.9**
Stddev	82.	67.	.2	2.4
%RSD	.10286	.46663	.01059	.04549
#1	79774.	14479.	1698.4	5308.2
#2	79658.	14383.	1698.7	5311.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 6:59:24 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0006**	F **.0013**	**.0013**	**.0010**	**.0015**	**.0008**	F **.0014**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0005	.0002	.0001	.0002	.0001
%RSD	7.154	2.106	5.414	15.40	47.76	10.25	7.615	13.08	89.63
#1	.0005	.0006	.0014	.0011	.0006	.0014	.0008	.0012	-.0002
#2	.0005	.0006	.0013	.0014	.0013	.0016	.0009	.0015	.0000
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	**.0008**	**.0011**	**.0011**	F **.0023**	**.0016**	**.0022**	**.0001**	**.0070**	**.0140**
Stddev	.0002	.0001	.0002	.0002	.0000	.0017	.0003	.0031	.0025
%RSD	31.02	6.074	21.94	10.18	.2428	76.13	334.7	44.66	17.83
#1	.0006	.0012	.0009	.0022	.0016	.0034	.0003	.0048	.0157
#2	.0009	.0011	.0013	.0025	.0016	.0010	-.0001	.0092	.0122
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 **.0148**	**-.0032**	**-.0037**	**.0233**	**.0016**	**.0019**	**.0013**	**.0042**	**.0008**
Stddev	.0010	.0203	.0104	.0058	.0005	.0003	.0008	.0000	.0002
%RSD	6.968	631.7	283.3	24.64	30.10	17.59	57.18	.8898	20.03
#1	.0141	.0111	.0037	.0193	.0012	.0021	.0008	.0042	.0007
#2	.0155	-.0176	-.0110	.0274	.0019	.0017	.0019	.0042	.0009
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: 6/7/2014 6:59:24 Type: QC
Method: Accutest1(v125) 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**	**.0006**	**.0056**	F **.0013**	**.0041**	**.0015**	**.0005**
Stddev	.0000	.0002	.0005	.0000	.0015	.0001	.0001
%RSD	1.764	33.32	8.307	.4430	35.83	7.005	18.80
#1	.0005	.0005	.0059	.0013	.0052	.0014	.0004
#2	.0005	.0007	.0053	.0013	.0031	.0016	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84150.**	**14698.**	**1781.7**	**5936.8**
Stddev	94.	43.	.1	1.6
%RSD	.11212	.29495	.00653	.02751
#1	84083.	14729.	1781.8	5935.7
#2	84217.	14667.	1781.7	5938.0

Zoom In Zoom Out

Sample Name: jb68220-2f Acquired: 6/7/2014 7:05:43 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0565**	**.0000**	**.0007**	**.0007**	**.0009**	**.0031**	**.2148**	**.0468**	**.0002**
Stddev	.0002	.0000	.0002	.0001	.0000	.0005	.0007	.0002	.0001
%RSD	.3336	52.26	32.79	19.74	3.017	16.77	.3259	.3320	43.85
#1	.0566	.0000	.0009	.0006	.0008	.0034	.2153	.0469	.0001
#2	.0564	.0000	.0006	.0008	.0009	.0027	.2144	.0467	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0072**	**.0014**	**-.0018**	**.0020**	**-.0010**	**-.0016**	**.0002**	**65.76**
Stddev	.0002	.0001	.0002	.0011	.0005	.0015	.0009	.0020	.18
%RSD	34.01	.7627	11.97	64.08	24.42	148.5	59.04	925.0	.2730
#1	.0004	.0072	.0015	-.0026	.0023	.0001	-.0009	-.0012	65.64
#2	.0006	.0071	.0013	-.0010	.0016	-.0021	-.0022	.0016	65.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0322**	**21.25**	**1.634**	**30.55**	**.1279**	**.0034**	**-.0034**	**8.887**	**.0028**
Stddev	.0005	.06	.017	.03	.0006	.0001	.0008	.024	.0002
%RSD	1.521	.2718	1.020	.1011	.4851	3.622	23.05	.2676	8.599
#1	.0319	21.29	1.646	30.57	.1284	.0033	-.0039	8.904	.0027
#2	.0326	21.21	1.623	30.52	.1275	.0035	-.0028	8.870	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2704**	**.0004**	**.0006**	**.0022**	**8.711**	**.0018**	**.0016**
Stddev	.0018	.0000	.0013	.0000	.075	.0005	.0001
%RSD	.6585	4.637	217.3	.5911	.8574	29.58	8.019
#1	.2716	.0003	.0015	.0022	8.764	.0022	.0015
#2	.2691	.0004	-.0003	.0022	8.658	.0015	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81120.**	**14664.**	**1687.7**	**5431.3**
Stddev	173.	8.	3.4	4.2
%RSD	.21304	.05722	.20175	.07768
#1	80998.	14658.	1685.3	5428.4
#2	81243.	14670.	1690.1	5434.3

Zoom In Zoom Out

Sample Name: jb68220-3f Acquired: 6/7/2014 7:11:55 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1438**	**.0000**	**.0049**	**.0009**	**.0011**	**.0031**	**.0552**	**.0008**	**.0000**
Stddev	.0010	.000	.0001	.0003	.0003	.0001	.0004	.0004	.000
%RSD	.7097	326.3	1.907	34.10	25.33	1.628	.7372	55.31	2177.
#1	.1445	.0000	.0049	.0007	.0009	.0032	.0555	.0005	.0001
#2	.1431	.0000	.0048	.0012	.0013	.0031	.0549	.0011	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**1.343**	**.0011**	**.0503**	**.0025**	**.0024**	**-.0025**	**.0064**	**187.6**
Stddev	.0003	.022	.0000	.0004	.0008	.0002	.0000	.0030	1.2
%RSD	118.0	1.658	4.225	.7223	29.98	7.995	.6569	46.89	.6328
#1	.0000	1.359	.0010	.0500	.0020	.0025	-.0025	.0043	188.4
#2	-.0005	1.327	.0011	.0505	.0030	.0022	-.0025	.0085	186.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0038**	**66.94**	**2.717**	**93.97**	**.1487**	**.0025**	**-.0106**	**10.42**	**.0037**
Stddev	.0014	.41	.001	.54	.0026	.0001	.0002	.18	.0008
%RSD	36.61	.6148	.0208	.5760	1.771	4.015	1.468	1.759	20.71
#1	.0048	67.23	2.717	94.36	.1506	.0025	-.0107	10.55	.0031
#2	.0028	66.65	2.718	93.59	.1469	.0024	-.0105	10.29	.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8928**	**.0008**	**.0012**	**.0016**	**13.05**	**.0007**	**.0019**
Stddev	.0050	.0002	.0025	.0002	.22	.0008	.0003
%RSD	.5590	19.78	212.6	15.73	1.674	109.7	14.62
#1	.8963	.0007	.0029	.0017	13.20	.0002	.0017
#2	.8892	.0010	-.0006	.0014	12.89	.0013	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77476.**	**14412.**	**1607.5**	**5017.9**
Stddev	202.	89.	25.3	69.8
%RSD	.26069	.61738	1.5742	1.3919
#1	77333.	14349.	1589.6	4968.5
#2	77619.	14475.	1625.4	5067.3

Zoom In ▶ Zoom Out

Sample Name: jb68220-4f Acquired: 6/7/2014 7:18:07 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0575**	**.0000**	**.0006**	**.0005**	**.0015**	**.0019**	**.3672**	**.0016**	**.0004**
Stddev	.0000	.0000	.0001	.0002	.0003	.0004	.0036	.0001	.0000
%RSD	.0586	598.9	23.40	34.29	23.63	20.61	.9836	4.554	10.30
#1	.0575	.0000	.0005	.0004	.0017	.0022	.3698	.0015	.0004
#2	.0575	.0000	.0007	.0006	.0012	.0016	.3647	.0016	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0053**	**.0037**	**-.0021**	**.0014**	**.0007**	**-.0014**	**-.0098**	**79.61**
Stddev	.0001	.0000	.0003	.0016	.0013	.0013	.0005	.0113	.46
%RSD	122.9	.2877	6.743	74.90	96.48	192.0	36.96	115.4	.5745
#1	-.0002	-.0053	.0039	-.0032	.0023	.0017	-.0018	-.0018	79.29
#2	.0000	-.0053	.0035	-.0010	.0004	-.0003	-.0011	-.0178	79.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6969**	**26.95**	**1.447**	**25.07**	**.0997**	**.0066**	**-.0047**	**10.74**	**.0040**
Stddev	.0055	.04	.000	.02	.0002	.0000	.0002	.08	.0003
%RSD	.7894	.1343	.0116	.0884	.1946	.4419	3.462	.7284	6.891
#1	.6930	26.92	1.447	25.05	.0996	.0066	-.0046	10.68	.0042
#2	.7008	26.98	1.447	25.08	.0998	.0066	-.0049	10.79	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3348**	**.0012**	**-.0060**	**.0011**	**11.95**	**.0002**	**.0010**
Stddev	.0001	.0001	.0001	.0001	.04	.0008	.0005
%RSD	.0337	7.501	2.020	9.540	.3395	440.8	52.89
#1	.3349	.0011	-.0059	.0011	11.92	.0008	.0013
#2	.3347	.0013	-.0061	.0010	11.97	-.0004	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81013.**	**14597.**	**1674.4**	**5386.9**
Stddev	660.	27.	8.5	34.0
%RSD	.81434	.18220	.50552	.63122
#1	80546.	14616.	1680.4	5411.0
#2	81479.	14579.	1668.5	5362.9

Zoom In ▶ Zoom Out

Sample Name: jb68220-5f Acquired: 6/7/2014 7:24:20 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0416**	**.0000**	**.0006**	**.0008**	**.0012**	**.0023**	**.0159**	**.0008**	**.0005**
Stddev	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0000
%RSD	.0313	153.7	2.452	1.998	3.020	1.272	.4597	33.62	9.131
#1	.0416	.0001	.0006	.0008	.0013	.0024	.0159	.0009	.0005
#2	.0416	.0000	.0006	.0008	.0012	.0023	.0158	.0006	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0051**	**.0009**	**-.0011**	**.0024**	**.0023**	**-.0019**	**-.0070**	**72.14**
Stddev	.0002	.0001	.0009	.0022	.0000	.0006	.0000	.0021	.39
%RSD	95.04	2.700	98.00	202.8	1.061	24.90	.4154	30.66	.5377
#1	.0001	-.0052	.0003	-.0027	.0024	.0019	-.0019	-.0085	72.41
#2	.0004	-.0050	.0016	.0005	.0024	.0027	-.0019	-.0055	71.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0119**	**24.63**	**2.540**	**30.23**	**.1248**	**.0200**	**-.0034**	**8.349**	**.0033**
Stddev	.0005	.10	.004	.04	.0024	.0003	.0007	.077	.0007
%RSD	4.468	.4108	.1467	.1339	1.885	1.624	21.22	.9224	20.47
#1	.0116	24.70	2.537	30.20	.1231	.0198	-.0039	8.294	.0038
#2	.0123	24.55	2.543	30.26	.1264	.0203	-.0029	8.403	.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3356**	**.0003**	**-.0142**	**.0002**	**9.576**	**.0004**	**.0011**
Stddev	.0005	.0003	.0003	.0001	.093	.0001	.0012
%RSD	.1346	116.0	2.010	24.77	.9689	17.76	111.6
#1	.3359	.0005	-.0144	.0003	9.511	.0004	.0002
#2	.3353	.0001	-.0140	.0002	9.642	.0003	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81490.**	**14602.**	**1675.8**	**5388.3**
Stddev	20.	127.	15.1	54.7
%RSD	.02452	.86768	.90396	1.0146
#1	81504.	14512.	1686.5	5427.0
#2	81476.	14691.	1665.1	5349.6

Zoom In ▶ Zoom Out

Sample Name: jb68220-6f Acquired: 6/7/2014 7:30:32 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0627**	**.0000**	**.0007**	**.0007**	**.0014**	**.0027**	**.4144**	**.0008**	**.0002**
Stddev	.0000	.000	.0001	.0002	.0005	.0001	.0013	.0001	.0001
%RSD	.0705	65.25	17.70	29.24	33.31	1.887	.3177	15.41	90.91
#1	.0627	.0000	.0008	.0006	.0010	.0026	.4153	.0009	.0003
#2	.0628	.0000	.0006	.0009	.0017	.0027	.4135	.0008	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0009**	**.0017**	**-.0021**	**.0023**	**.0027**	**-.0019**	**.0031**	**87.65**
Stddev	.0002	.0002	.0004	.0002	.0005	.0002	.0007	.0037	.01
%RSD	126.7	20.80	23.01	11.64	20.36	8.706	39.77	119.8	.0072
#1	-.0002	-.0010	.0020	-.0023	.0020	.0029	-.0024	.0005	87.65
#2	.0000	-.0008	.0015	-.0020	.0027	.0026	-.0013	.0057	87.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2308**	**33.39**	**2.136**	**30.32**	**.1424**	**.0079**	**-.0050**	**10.68**	**.0032**
Stddev	.0034	.13	.015	.04	.0006	.0002	.0006	.02	.0000
%RSD	1.470	.3749	.7029	.1322	.4150	2.699	11.25	.1549	.9465
#1	.2332	33.48	2.147	30.29	.1428	.0080	-.0054	10.69	.0032
#2	.2284	33.30	2.126	30.35	.1420	.0077	-.0046	10.67	.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4129**	**.0006**	**-.0163**	**.0014**	**20.51**	**.0006**	**.0015**
Stddev	.0012	.0003	.0006	.0002	.03	.0008	.0004
%RSD	.3027	49.54	3.466	16.03	.1408	120.1	26.29
#1	.4138	.0004	-.0159	.0013	20.53	.0012	.0018
#2	.4120	.0009	-.0167	.0016	20.49	.0001	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79051.**	**14518.**	**1664.5**	**5339.0**
Stddev	242.	32.	6.4	25.6
%RSD	.30600	.21743	.38338	.47988
#1	78880.	14495.	1660.0	5320.9
#2	79222.	14540.	1669.0	5357.1

Zoom In ▶ Zoom Out

Sample Name: jb68220-7f Acquired: 6/7/2014 7:36:46 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0676**	**.0000**	**.0008**	**.0005**	**.0012**	**.0022**	**.8881**	**.0017**	**-.0002**
Stddev	.0002	.000	.0000	.0002	.0004	.0001	.0070	.0003	.0001
%RSD	.2794	19.88	5.891	36.73	34.43	5.515	.7899	20.83	50.65
#1	.0675	.0000	.0008	.0004	.0015	.0021	.8930	.0019	-.0001
#2	.0678	.0000	.0008	.0007	.0009	.0022	.8831	.0014	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**-.0059**	**.0004**	**-.0036**	**.0020**	**.0025**	**-.0023**	**.0001**	**100.1**
Stddev	.0002	.0001	.0001	.0003	.0012	.0022	.0004	.0017	.4
%RSD	48.95	1.317	34.44	8.768	63.11	86.36	16.39	1396.	.3605
#1	-.0005	-.0058	.0003	-.0033	.0011	.0041	-.0026	.0013	99.81
#2	-.0002	-.0059	.0004	-.0038	.0028	.0010	-.0020	-.0011	100.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4347**	**41.33**	**2.036**	**29.55**	**.0965**	**.0035**	**-.0052**	**10.02**	**.0031**
Stddev	.0033	.34	.011	.06	.0004	.0001	.0003	.04	.0001
%RSD	.7508	.8179	.5532	.2164	.3668	3.547	4.894	.3905	2.756
#1	.4324	41.09	2.044	29.60	.0968	.0036	-.0050	9.990	.0032
#2	.4371	41.57	2.028	29.51	.0963	.0034	-.0054	10.04	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4483**	**.0002**	**-.0171**	**.0007**	**17.04**	**.0003**	**.0017**
Stddev	.0006	.0002	.0003	.0001	.08	.0007	.0007
%RSD	.1336	128.1	1.591	10.56	.4729	251.3	38.04
#1	.4487	.0000	-.0173	.0007	16.98	.0008	.0022
#2	.4478	.0004	-.0169	.0008	17.10	-.0002	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78263.**	**14432.**	**1670.5**	**5349.4**
Stddev	408.	67.	2.8	.8
%RSD	.52186	.46530	.16629	.01549
#1	77975.	14480.	1672.5	5350.0
#2	78552.	14385.	1668.5	5348.8

Zoom In Zoom Out

Sample Name: jb68410-1 Acquired: 6/7/2014 7:42:59 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3891**	**.0000**	**.0020**	**.0079**	**.0061**	**.0070**	**7.306**	**.0141**	**.0017**
Stddev	.0014	.0000	.0000	.0000	.0000	.0004	.004	.0004	.0001
%RSD	.3685	204.9	2.111	.1081	.2940	6.138	.0611	2.978	5.949
#1	.3902	.0000	.0019	.0079	.0061	.0067	7.309	.0144	.0016
#2	.3881	.0000	.0020	.0079	.0061	.0073	7.303	.0138	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0020**	**.0096**	**.0039**	**-.0016**	**.0053**	**.0064**	**-.0010**	**.7995**	**218.9**
Stddev	.0003	.0003	.0003	.0001	.0009	.0021	.0006	.0012	.4
%RSD	13.60	2.654	8.924	6.842	16.91	32.20	65.98	.1444	.1662
#1	.0018	.0095	.0036	-.0017	.0047	.0078	-.0014	.7987	219.2
#2	.0022	.0098	.0041	-.0015	.0060	.0049	-.0005	.8003	218.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.70**	**57.23**	**4.953**	**262.0**	**.1266**	**.0032**	**-.0137**	**13.12**	**.0010**
Stddev	.05	.21	.015	.0	.0001	.0000	.0014	.01	.0000
%RSD	.2717	.3702	.2927	.0057	.0655	.2450	10.33	.0422	.5455
#1	19.74	57.38	4.943	262.0	.1266	.0032	-.0127	13.12	.0010
#2	19.66	57.08	4.964	262.0	.1267	.0032	-.0147	13.13	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.166**	**.0402**	**-.0203**	**.0041**	**43.43**	**.0014**	**.0110**
Stddev	.004	.0003	.0005	.0000	.12	.0000	.0000
%RSD	.3476	.8639	2.700	.1812	.2869	2.126	.1920
#1	1.169	.0405	-.0207	.0041	43.35	.0014	.0110
#2	1.163	.0400	-.0200	.0041	43.52	.0014	.0110

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74126.**	**14183.**	**1538.4**	**4710.6**
Stddev	168.	70.	1.2	6.3
%RSD	.22623	.49108	.07879	.13452
#1	74245.	14133.	1537.6	4706.2
#2	74007.	14232.	1539.3	4715.1

Zoom In Zoom Out

Sample Name: jb68410-2 Acquired: 6/7/2014 7:49:27 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0472**	**.0001**	**.0008**	**.0014**	**.0022**	**.0071**	**.5464**	**.0025**	**.0006**
Stddev	.0016	.0001	.0000	.0002	.0002	.0002	.0024	.0002	.0002
%RSD	3.288	52.30	1.337	12.83	7.276	2.360	.4387	7.875	37.04
#1	.0483	.0002	.0008	.0015	.0020	.0070	.5447	.0024	.0007
#2	.0461	.0001	.0008	.0013	.0023	.0073	.5481	.0027	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.0201**	**.0020**	**-.0006**	**.0051**	**.0020**	**-.0018**	**.1247**	**21.88**
Stddev	.0003	.0000	.0002	.0007	.0011	.0007	.0007	.0042	.83
%RSD	17.74	.0422	9.216	103.5	22.01	33.22	37.40	3.333	3.779
#1	.0017	.0201	.0019	-.0011	.0043	.0016	-.0013	.1276	22.47
#2	.0022	.0201	.0022	-.0002	.0059	.0025	-.0022	.1217	21.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.889**	**6.937**	**5.189**	**79.55**	**.0618**	**.0007**	**-.0019**	**2.655**	**.0023**
Stddev	.069	.268	.197	2.99	.0000	.0002	.0006	.006	.0001
%RSD	3.670	3.860	3.800	3.763	.0031	35.59	30.79	.2411	5.981
#1	1.938	7.126	5.329	81.67	.0618	.0005	-.0015	2.651	.0022
#2	1.840	6.747	5.050	77.43	.0618	.0009	-.0023	2.660	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1588**	**.0045**	**-.0202**	**.0002**	**4.683**	**.0002**	**.0035**
Stddev	.0060	.0003	.0002	.0001	.009	.0000	.0005
%RSD	3.774	6.352	.7848	39.15	.1954	13.74	13.73
#1	.1630	.0043	-.0203	.0003	4.677	.0002	.0038
#2	.1545	.0047	-.0201	.0002	4.690	.0002	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80212.**	**14697.**	**1682.1**	**5371.0**
Stddev	156.	466.	5.6	2.6
%RSD	.19491	3.1722	.33393	.04845
#1	80322.	14367.	1686.1	5372.9
#2	80101.	15026.	1678.1	5369.2

Zoom In Zoom Out

Sample Name: jb68091-1a Acquired: 6/7/2014 7:55:41 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0632**	**-.0001**	**.0047**	**.0505**	**198.3**	**.0483**	**.2194**	**.0415**	**.0024**
Stddev	.0000	.0001	.0004	.0009	1.9	.0002	.0014	.0002	.0000
%RSD	.0376	118.5	9.112	1.715	.9421	.4853	.6188	.4736	.6713
#1	.0632	.0000	.0044	.0499	197.0	.0484	.2184	.0414	.0024
#2	.0632	-.0001	.0050	.0511	199.6	.0481	.2203	.0417	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**-.1796**	**.2906**	**-.0077**	**.0107**	**-.0061**	**4.651**	**.1316**	**83.91**
Stddev	-----	.0004	.0038	.0024	.0003	.0026	.020	.0025	.08
%RSD	-----	.2289	1.324	30.48	2.536	43.20	.4261	1.905	.0901
#1	-----	-.1799	.2879	-.0061	.0105	-.0042	4.637	.1333	83.96
#2	-----	-.1793	.2933	-.0094	.0109	-.0079	4.665	.1298	83.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0617**	**33.43**	**16.28**	**491.0**	**.9278**	**.0757**	**-.0111**	**18.44**	**-.0434**
Stddev	.0008	.00	.07	12.2	.0026	.0002	.0010	.06	.0006
%RSD	1.260	.0058	.4168	2.480	.2801	.2125	9.133	.3132	1.383
#1	.0622	33.43	16.32	499.6	.9259	.0756	-.0118	18.40	-.0430
#2	.0611	33.43	16.23	482.4	.9296	.0758	-.0104	18.48	-.0439

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7019**	**.0284**	**.0168**	**-.0844**	**263.0**	**.5996**	**.0261**
Stddev	.0011	.0001	.0005	.0006	.2	.0049	.0000
%RSD	.1572	.5173	3.044	.7534	.0624	.8171	.0090
#1	.7027	.0283	.0172	-.0840	262.9	.5961	.0261
#2	.7012	.0285	.0165	-.0849	263.1	.6030	.0261

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72986.**	**14132.**	**721.31**	**4666.2**
Stddev	320.	4.	2.36	.6
%RSD	.43794	.03129	.32697	.01236
#1	73212.	14129.	722.98	4666.6
#2	72760.	14135.	719.64	4665.8

Zoom In Zoom Out

Sample Name: jb68091-2a Acquired: 6/7/2014 8:02:01 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0000**	**.0000**	**.0050**	**.0011**	**.0000**	**.0002**	**.0003**
Stddev	.0000	.000	.000	.0002	.0003	.0000	.000	.0002	.0001
%RSD	11.17	349.9	1515.	1584.	6.147	3.027	565.9	100.4	43.77
#1	-.0002	-.0001	.0001	-.0002	.0052	.0011	.0000	.0001	.0004
#2	-.0002	.0000	-.0001	.0002	.0047	.0011	.0000	.0004	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0007**	**-.0006**	**.0003**	**.0006**	**.0030**	**-.0019**	**-.0004**	**.0104**
Stddev	.0000	.0000	.0003	.0002	.0002	.0004	.0002	.0043	.0015
%RSD	41.88	1.698	49.82	62.49	33.94	14.44	13.13	1151.	14.51
#1	-.0001	.0007	-.0004	.0002	.0004	.0027	-.0017	.0027	.0115
#2	.0000	.0007	-.0008	.0005	.0007	.0033	-.0021	-.0034	.0094

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0048**	**.0069**	**.0092**	**.0342**	**-.0007**	**-.0011**	**.0004**	**.0123**	**.0009**
Stddev	.0008	.0012	.0009	.0061	.0004	.0000	.0003	.0004	.0009
%RSD	15.74	16.94	10.03	17.83	55.59	2.253	71.53	2.938	104.4
#1	.0054	.0061	.0098	.0385	-.0004	-.0011	.0002	.0120	.0002
#2	.0043	.0078	.0085	.0299	-.0010	-.0011	.0006	.0125	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0001**	**-.0192**	**-.0006**	**.0053**	**.0008**	**.0001**
Stddev	.0000	.0004	.0006	.0001	.0014	.0002	.0001
%RSD	1.389	431.9	3.302	11.64	26.29	29.04	139.2
#1	-.0001	.0002	-.0197	-.0006	.0044	.0010	.0002
#2	-.0001	-.0004	-.0188	-.0007	.0063	.0007	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85011.**	**14806.**	**1756.0**	**5883.6**
Stddev	314.	37.	.0	5.5
%RSD	.36915	.24988	.00145	.09356
#1	85233.	14780.	1756.0	5887.5
#2	84789.	14832.	1756.0	5879.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 8:08:19 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.002**	**1.955**	**1.911**	**1.931**	**1.941**	**1.969**	**1.981**	**.2430**
Stddev	.002	.003	.004	.008	.002	.005	.002	.013	.0010
%RSD	.1073	.1398	.1770	.4413	.1115	.2776	.1207	.6347	.4255
#1	2.029	2.000	1.953	1.905	1.932	1.944	1.970	1.972	.2437
#2	2.026	2.004	1.957	1.917	1.929	1.937	1.967	1.990	.2423
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	**1.923**	**1.965**	**1.986**	**2.048**	**1.947**	**2.052**	**2.015**	**40.16**	**37.98**
Stddev	.001	.005	.007	.004	.008	.006	.002	.05	.13
%RSD	.0681	.2461	.3683	.1845	.4017	.2759	.1064	.1150	.3324
#1	1.924	1.961	1.980	2.051	1.942	2.056	2.014	40.13	37.89
#2	1.922	1.968	1.991	2.046	1.953	2.048	2.017	40.20	38.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.64**	**37.12**	**39.71**	**39.50**	**2.063**	**1.986**	**1.954**	**5.061**	**2.034**
Stddev	.02	.03	.05	.01	.012	.001	.008	.013	.005
%RSD	.0390	.0748	.1155	.0235	.5596	.0563	.4082	.2502	.2573
#1	38.65	37.10	39.68	39.50	2.054	1.985	1.960	5.052	2.030
#2	38.63	37.14	39.75	39.51	2.071	1.987	1.948	5.070	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: 6/7/2014 8:08:19 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.057**	**1.975**	F **1.733**	**1.952**	**1.983**	**2.052**	**2.029**
Stddev	.005	.001	.023	.001	.015	.004	.004
%RSD	.2355	.0412	1.337	.0564	.7733	.1937	.2060
#1	2.060	1.976	1.717	1.953	1.994	2.049	2.032
#2	2.053	1.974	1.749	1.951	1.972	2.055	2.026
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	**82190.**	**14594.**	**1699.7**	**5339.2**
Stddev	45.	69.	2.5	18.4
%RSD	.05528	.46954	.14524	.34502
#1	82158.	14643.	1701.4	5352.3
#2	82222.	14546.	1697.9	5326.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 8:14:23 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0008**	F **.0012**	**.0013**	F **.0040**	**.0018**	**.0011**	F **.0013**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0007	.0000	.0001	.0001	.0004
%RSD	3.670	5.160	5.589	6.170	17.22	.2584	12.63	11.13	115.5
#1	.0006	.0008	.0012	.0013	.0035	.0018	.0010	.0015	.0006
#2	.0006	.0009	.0011	.0012	.0044	.0018	.0012	.0012	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0006		.0012			.0010	
Low Limit			-.0006		-.0012			-.0010	

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0009**	**.0010**	F **.0022**	**.0015**	**.0018**	**-.0001**	**.0097**	**.0211**
Stddev	.0000	.0002	.0006	.0004	.0000	.0004	.0005	.0021	.0028
%RSD	.3236	16.28	63.20	18.35	.3760	20.37	874.3	22.04	13.15
#1	.0009	.0010	.0014	.0025	.0015	.0021	-.0004	.0112	.0192
#2	.0009	.0008	.0005	.0019	.0015	.0015	.0003	.0082	.0231
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 **.0187**	**.0176**	**-.0028**	**.0295**	**.0011**	**.0016**	**.0014**	**.0039**	**.0014**
Stddev	.0008	.0170	.0049	.0008	.0000	.0005	.0001	.0006	.0005
%RSD	4.051	96.29	173.9	2.835	2.102	29.93	10.55	14.77	32.03
#1	.0181	.0056	-.0063	.0301	.0011	.0020	.0015	.0044	.0011
#2	.0192	.0296	.0006	.0289	.0011	.0013	.0013	.0035	.0018
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: 6/7/2014 8:14:23 Type: QC
Method: Accutest1(v125) 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**	F **.0014**	**.0026**	F **.0014**	**.0029**	F **.0023**	**.0011**
Stddev	.0000	.0001	.0025	.0000	.0007	.0009	.0004
%RSD	2.908	10.72	96.73	2.765	24.16	40.17	35.78
#1	.0007	.0015	.0044	.0014	.0035	.0017	.0008
#2	.0007	.0013	.0008	.0014	.0024	.0030	.0014
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.0010		.0010		.0021	
Low Limit		-.0010		-.0010		-.0021	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84672.**	**14863.**	**1780.7**	**5964.4**
Stddev	96.	10.	5.1	14.1
%RSD	.11354	.06836	.28521	.23689
#1	84604.	14855.	1777.2	5954.4
#2	84740.	14870.	1784.3	5974.4

Zoom In Zoom Out

Sample Name: jb68091-2f Acquired: 6/7/2014 8:20:42 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0001**	**.0002**	**.0018**	**.0017**	**.0001**	**.0000**	**.0001**
Stddev	.000	.000	.0000	.0000	.0002	.0003	.0000	.0001	.0003
%RSD	122.6	84.97	12.66	28.59	12.10	17.19	18.96	1166.	266.0
#1	.0000	.0000	.0001	.0001	.0020	.0015	.0001	-.0001	.0003
#2	-.0001	.0000	.0001	.0002	.0017	.0019	.0001	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0045**	**.0004**	**.0008**	**.0002**	**.0013**	**-.0017**	**-.0044**	**.0442**
Stddev	.0000	.0000	.0001	.0003	.0001	.0002	.0008	.0047	.0008
%RSD	13.29	.8620	26.35	35.07	32.76	17.78	47.54	108.2	1.900
#1	-.0002	.0045	.0004	.0006	.0001	.0015	-.0011	-.0077	.0436
#2	-.0003	.0046	.0005	.0010	.0002	.0012	-.0023	-.0010	.0448

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0083**	**-.0096**	**-.0167**	**.0140**	**-.0008**	**-.0002**	**.0000**	**.0468**	**.0012**
Stddev	.0004	.0122	.0026	.0002	.0002	.0001	.000	.0002	.0001
%RSD	4.582	127.2	15.62	1.699	21.40	31.81	261.8	.4368	9.576
#1	.0080	-.0182	-.0185	.0142	-.0006	-.0002	-.0001	.0466	.0011
#2	.0085	-.0010	-.0148	.0138	-.0009	-.0002	.0000	.0469	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0005**	**-.0045**	**.0007**	**.0076**	**.0004**	**.0001**
Stddev	.0000	.0001	.0018	.0002	.0018	.0004	.0003
%RSD	21.53	16.46	39.19	22.19	23.59	100.6	306.8
#1	-.0002	.0004	-.0033	.0009	.0063	.0007	.0003
#2	-.0001	.0005	-.0058	.0006	.0089	.0001	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83424.**	**14871.**	**1753.5**	**5885.8**
Stddev	179.	13.	6.8	21.7
%RSD	.21494	.08624	.38925	.36918
#1	83297.	14880.	1748.6	5870.4
#2	83551.	14862.	1758.3	5901.2

Zoom In Zoom Out

Sample Name: jb68091-1af Acquired: 6/7/2014 8:27:02 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 16th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0645**	**.0000**	**.0046**	**.0506**	**200.1**	**.0490**	**.2135**	**.0422**	**.0022**
Stddev	.0002	.000	.0001	.0005	1.3	.0002	.0006	.0000	.0001
%RSD	.3658	198.3	2.404	1.038	.6340	.3951	.2609	.0035	6.937
#1	.0646	.0000	.0045	.0502	199.2	.0489	.2138	.0422	.0021
#2	.0643	-.0001	.0047	.0510	201.0	.0491	.2131	.0422	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	*****	**-.2044**	**.3083**	**-.0064**	**.0110**	**-.0062**	**5.149**	**-.0079**	**90.30**
Stddev	-----	.0029	.0023	.0013	.0003	.0018	.058	.0124	.49
%RSD	-----	1.397	.7567	20.31	2.756	28.70	1.127	157.8	.5425
#1	-----	-.2065	.3100	-.0055	.0112	-.0049	5.190	-.0166	89.96
#2	-----	-.2024	.3067	-.0073	.0108	-.0075	5.108	.0009	90.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0130**	**33.38**	**17.08**	**530.0**	**.9833**	**.0813**	**-.0101**	**19.27**	**-.0476**
Stddev	.0009	.09	.01	.5	.0079	.0000	.0001	.11	.0014
%RSD	6.649	.2818	.0506	.0963	.8048	.0152	.5387	.5485	2.985
#1	-.0124	33.31	17.08	529.6	.9889	.0813	-.0102	19.35	-.0487
#2	-.0137	33.45	17.07	530.4	.9777	.0813	-.0101	19.20	-.0466

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7023**	**.0238**	**.0448**	**-.0810**	**276.8**	**.6453**	**.0262**
Stddev	.0029	.0006	.0000	.0004	.7	.0028	.0005
%RSD	.4166	2.353	.1081	.4699	.2679	.4379	1.738
#1	.7044	.0242	.0448	-.0813	277.3	.6473	.0259
#2	.7002	.0234	.0447	-.0807	276.3	.6433	.0265

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76839.**	**14148.**	**703.09**	**4754.9**
Stddev	195.	87.	4.55	3.8
%RSD	.25435	.61187	.64739	.07992
#1	76701.	14210.	699.87	4752.2
#2	76977.	14087.	706.31	4757.6

Zoom In Zoom Out

Sample Name: mp79887-mb1 2 Acquired: 6/7/2014 8:33:22 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**.0000**	**.0001**	**.0002**	**.0075**	**.0005**	**.0004**	**.0003**	**.0005**
Stddev	.0000	.000	.0001	.0001	.0003	.0000	.0000	.0001	.0002
%RSD	6.509	81.09	106.1	45.05	3.937	5.002	10.03	33.36	48.21
#1	.0008	.0000	.0000	.0001	.0073	.0005	.0004	.0004	.0006
#2	.0007	.0000	.0001	.0002	.0077	.0005	.0003	.0002	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0029**	**-.0006**	**.0000**	**.0008**	**.0013**	**-.0006**	**.0044**	**.1039**
Stddev	.0001	.0002	.0001	.000	.0006	.0005	.0000	.0058	.0012
%RSD	50.72	5.837	19.76	941.2	76.06	40.71	3.320	132.9	1.133
#1	-.0004	.0027	-.0005	.0002	.0013	.0017	-.0006	.0085	.1047
#2	-.0002	.0030	-.0007	-.0002	.0004	.0010	-.0006	.0003	.1030

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0318**	**.0141**	**.0508**	**.0684**	**.0000**	**-.0006**	**.0004**	**.0218**	**.0122**
Stddev	.0012	.0055	.0064	.0036	.0004	.0001	.0006	.0002	.0001
%RSD	3.738	39.03	12.68	5.240	1880.	8.447	147.4	1.037	.6265
#1	.0326	.0102	.0462	.0709	.0003	-.0007	.0008	.0216	.0122
#2	.0310	.0180	.0553	.0659	-.0003	-.0006	.0000	.0220	.0121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**-.0133**	**.0002**	**.0229**	**.0000**	**-.0007**
Stddev	.0000	.0000	.0001	.0001	.0008	.001	.0006
%RSD	39.46	2.210	.4368	39.06	3.517	25670.	84.02
#1	.0001	.0001	-.0133	.0001	.0235	-.0008	-.0011
#2	.0000	.0001	-.0133	.0003	.0223	.0008	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88469.**	**14741.**	**1749.0**	**5949.5**
Stddev	164.	78.	.9	3.9
%RSD	.18553	.53052	.05412	.06585
#1	88353.	14797.	1749.6	5952.3
#2	88585.	14686.	1748.3	5946.8

Zoom In Zoom Out

Sample Name: mp79887-b1 Acquired: 6/7/2014 8:39:40 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.910**	**.0983**	**.1178**	**.8813**	**.3793**	**.4535**	**.9316**	**.9258**	**.0992**
Stddev	.007	.0001	.0006	.0014	.0003	.0001	.0011	.0004	.0001
%RSD	.1894	.0785	.4790	.1557	.0682	.0188	.1190	.0421	.0548
#1	3.915	.0983	.1174	.8822	.3791	.4534	.9308	.9255	.0992
#2	3.904	.0982	.1182	.8803	.3794	.4536	.9324	.9261	.0992

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.8759**	**.9436**	**3.660**	**3.553**	**.9069**	**3.957**	**.9248**	**52.10**	**11.67**
Stddev	.0002	.0000	.001	.015	.0001	.004	.0004	.11	.03
%RSD	.0172	.0002	.0196	.4119	.0105	.1079	.0398	.2140	.2349
#1	.8760	.9436	3.661	3.563	.9068	3.960	.9245	52.17	11.65
#2	.8758	.9436	3.660	3.543	.9070	3.954	.9250	52.02	11.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**47.05**	**10.82**	**11.86**	**12.25**	**-.0029**	**-.0011**	**-.0012**	**.0548**	**.0129**
Stddev	.03	.00	.02	.01	.0003	.0002	.0005	.0003	.0010
%RSD	.0538	.0252	.1313	.0630	10.01	19.94	42.79	.5439	7.610
#1	47.03	10.82	11.88	12.26	-.0031	-.0012	-.0016	.0550	.0136
#2	47.07	10.82	11.85	12.25	-.0027	-.0009	-.0008	.0546	.0122

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0025**	**-.0126**	**.0044**	**.0209**	**-.0005**	**-.0006**
Stddev	.0000	.0002	.0008	.0001	.0020	.0002	.0003
%RSD	8.342	7.567	6.698	2.612	9.499	41.85	46.09
#1	.0001	.0024	-.0120	.0045	.0224	-.0007	-.0007
#2	.0001	.0026	-.0132	.0043	.0195	-.0004	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86689.**	**14770.**	**1750.9**	**5675.4**
Stddev	85.	33.	2.3	3.3
%RSD	.09800	.22181	.13088	.05792
#1	86749.	14793.	1752.5	5677.7
#2	86629.	14747.	1749.3	5673.1

Zoom In Zoom Out

Sample Name: mp79887-s1 Acquired: 6/7/2014 8:45:46 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.133**	**.0981**	**.1177**	**.9074**	**.4202**	**.4918**	**2.667**	**.9743**	**.1039**
Stddev	.004	.0001	.0003	.0013	.0027	.0004	.010	.0007	.0002
%RSD	.1095	.1024	.2471	.1426	.6439	.0717	.3609	.0709	.2019
#1	4.130	.0980	.1175	.9064	.4221	.4916	2.674	.9738	.1037
#2	4.137	.0981	.1180	.9083	.4183	.4921	2.661	.9748	.1040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9680**	**1.019**	**3.584**	**3.473**	**.9302**	**3.844**	**.4740**	**108.9**	**19.62**
Stddev	.0027	.002	.000	.019	.0023	.006	.0022	.2	.05
%RSD	.2766	.1977	.0054	.5452	.2460	.1465	.4681	.1418	.2636
#1	.9699	1.018	3.584	3.486	.9285	3.848	.4755	109.1	19.66
#2	.9661	1.021	3.584	3.460	.9318	3.840	.4724	108.8	19.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**122.1**	**21.94**	**19.98**	**13.14**	**.0503**	**-.0043**	**-.0050**	**2.331**	**.0138**
Stddev	.3	.00	.02	.01	.0009	.0001	.0004	.000	.0008
%RSD	.2612	.0111	.1020	.0549	1.819	1.594	7.729	.0064	5.548
#1	121.8	21.94	19.97	13.14	.0496	-.0042	-.0052	2.331	.0133
#2	122.3	21.94	20.00	13.15	.0509	-.0043	-.0047	2.331	.0144

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0623**	**1.922**	**-.0117**	**.0531**	**.1769**	**-.0071**	**.0434**
Stddev	.0002	.004	.0003	.0003	.0030	.0003	.0005
%RSD	.3239	.2080	2.441	.4905	1.710	3.604	1.091
#1	.0622	1.925	-.0115	.0529	.1791	-.0073	.0438
#2	.0625	1.920	-.0119	.0533	.1748	-.0069	.0431

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88053.**	**15321.**	**1800.0**	**5588.5**
Stddev	166.	9.	.9	1.2
%RSD	.18820	.05927	.05082	.02224
#1	87935.	15315.	1800.6	5589.3
#2	88170.	15328.	1799.3	5587.6

Zoom In Zoom Out

Sample Name: mp79887-s2 Acquired: 6/7/2014 8:51:51 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.055**	**.0978**	**.1165**	**.9024**	**.4134**	**.4816**	**2.375**	**.9648**	**.1019**
Stddev	.003	.0001	.0000	.0011	.0009	.0021	.007	.0010	.0002
%RSD	.0678	.0610	.0308	.1274	.2223	.4330	.2868	.1023	.1691
#1	4.053	.0979	.1165	.9033	.4141	.4831	2.380	.9655	.1020
#2	4.057	.0978	.1165	.9016	.4128	.4801	2.371	.9641	.1017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9518**	**1.016**	**3.554**	**3.469**	**.9327**	**3.819**	**.5100**	**99.75**	**19.58**
Stddev	.0041	.002	.011	.010	.0001	.012	.0020	.19	.03
%RSD	.4359	.1914	.3174	.2884	.0064	.3049	.3992	.1919	.1552
#1	.9548	1.017	3.562	3.462	.9326	3.827	.5114	99.61	19.56
#2	.9489	1.015	3.546	3.476	.9327	3.810	.5086	99.88	19.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**109.1**	**20.07**	**18.56**	**13.04**	**.0410**	**-.0041**	**-.0055**	**2.181**	**.0130**
Stddev	.1	.07	.01	.03	.0000	.0000	.0005	.013	.0004
%RSD	.1213	.3656	.0751	.2385	.0675	.5471	9.155	.6013	2.957
#1	109.2	20.12	18.55	13.02	.0411	-.0041	-.0058	2.190	.0133
#2	109.0	20.02	18.57	13.06	.0410	-.0040	-.0051	2.172	.0127

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0536**	**1.650**	**-.0123**	**.0460**	**.1564**	**-.0085**	**.0364**
Stddev	.0002	.003	.0014	.0001	.0009	.0002	.0002
%RSD	.3563	.1949	10.96	.1181	.5847	2.796	.5579
#1	.0537	1.652	-.0114	.0460	.1558	-.0084	.0363
#2	.0534	1.648	-.0133	.0459	.1571	-.0087	.0366

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88834.**	**15203.**	**1808.9**	**5640.0**
Stddev	199.	5.	9.1	18.5
%RSD	.22356	.03481	.50421	.32795
#1	88693.	15207.	1802.4	5626.9
#2	88974.	15200.	1815.3	5653.1

Zoom In Zoom Out

Sample Name: jb68264-9 Acquired: 6/7/2014 8:57:56 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2546**	**.0018**	**.0015**	**.0189**	**.0430**	**.0335**	**1.276**	**.0400**	**.0049**
Stddev	.0002	.0000	.0000	.0000	.0003	.0004	.001	.0002	.0003
%RSD	.0848	2.451	1.860	.2019	.7122	1.157	.0456	.4244	6.827
#1	.2548	.0018	.0016	.0189	.0432	.0332	1.276	.0401	.0052
#2	.2544	.0018	.0015	.0188	.0428	.0338	1.276	.0398	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0885**	**.0906**	**.0121**	**.0043**	**.0271**	**.0058**	**-.0001**	**40.65**	**6.763**
Stddev	.0000	.0003	.0008	.0016	.0003	.0010	.0008	.13	.018
%RSD	.0125	.3033	6.318	37.60	.9291	16.96	1039.	.3263	.2741
#1	.0885	.0904	.0116	.0032	.0270	.0065	.0005	40.75	6.776
#2	.0885	.0908	.0127	.0054	.0273	.0051	-.0006	40.56	6.750

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**61.83**	**8.367**	**5.213**	**.9152**	**.0284**	**-.0034**	**-.0035**	**1.821**	**.0119**
Stddev	.10	.019	.012	.0062	.0003	.0001	.0003	.012	.0012
%RSD	.1689	.2264	.2240	.6742	1.134	3.726	9.152	.6298	10.18
#1	61.75	8.353	5.204	.9195	.0282	-.0035	-.0033	1.829	.0110
#2	61.90	8.380	5.221	.9108	.0286	-.0033	-.0037	1.813	.0127

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0428**	**1.497**	**-.0160**	**.0306**	**.1500**	**-.0060**	**.0325**
Stddev	.0000	.001	.0017	.0001	.0017	.0006	.0012
%RSD	.0052	.0729	10.78	.4353	1.112	10.28	3.636
#1	.0428	1.496	-.0172	.0305	.1489	-.0064	.0334
#2	.0428	1.498	-.0147	.0307	.1512	-.0055	.0317

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91292.**	**15069.**	**1842.1**	**5857.5**
Stddev	67.	1.	1.8	2.7
%RSD	.07305	.00382	.09921	.04615
#1	91245.	15069.	1840.8	5855.6
#2	91340.	15069.	1843.4	5859.4

Zoom In Zoom Out

Sample Name: mp79887-sd1 Acquired: 6/7/2014 9:04:06 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2553**	**.0015**	**.0018**	**.0200**	**.0495**	**.0349**	**1.377**	**.0392**	**.0056**
Stddev	.0022	.0003	.0000	.0001	.0001	.0011	.008	.0015	.0029
%RSD	.8642	18.59	1.488	.4646	.2004	3.060	.6099	3.862	51.34
#1	.2569	.0017	.0018	.0201	.0494	.0341	1.371	.0403	.0077
#2	.2538	.0013	.0018	.0200	.0495	.0357	1.382	.0381	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0907**	**.0951**	**.0087**	**.0033**	**.0288**	**.0102**	**-.0034**	**39.41**	**6.627**
Stddev	.0022	.0003	.0021	.0060	.0059	.0071	.0001	.39	.073
%RSD	2.376	.2696	24.21	179.2	20.47	69.69	1.758	.9942	1.108
#1	.0892	.0953	.0072	.0076	.0246	.0052	-.0034	39.69	6.679
#2	.0922	.0949	.0101	-.0009	.0329	.0152	-.0033	39.14	6.575

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**64.63**	**8.676**	**5.161**	**.9083**	**.0231**	**-.0077**	**-.0037**	**1.924**	**.0128**
Stddev	.50	.138	.099	.0041	.0001	.0008	.0037	.019	.0022
%RSD	.7798	1.586	1.909	.4542	.3695	10.79	102.0	.9723	17.12
#1	64.99	8.773	5.231	.9112	.0231	-.0071	-.0063	1.938	.0144
#2	64.27	8.578	5.091	.9053	.0232	-.0083	-.0010	1.911	.0113

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0435**	**1.596**	**-.1033**	**.0307**	**.1498**	**-.0039**	**.0298**
Stddev	.0004	.007	.0005	.0004	.0035	.0007	.0031
%RSD	.8487	.4577	.4542	1.144	2.318	18.00	10.33
#1	.0438	1.590	-.1037	.0310	.1473	-.0044	.0276
#2	.0433	1.601	-.1030	.0305	.1522	-.0034	.0319

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88235.**	**14925.**	**1842.1**	**6039.5**
Stddev	401.	139.	.1	5.2
%RSD	.45466	.93093	.00410	.08644
#1	88519.	14826.	1842.2	6043.2
#2	87951.	15023.	1842.1	6035.9

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/7/2014 9:10:20 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.117**	**.0097**	**.5858**	**.0605**	**.9552**	**1.605**	**16.14**	**.3481**	**.0952**
Stddev	.007	.0000	.0013	.0004	.0012	.005	.05	.0009	.0001
%RSD	.3428	.2384	.2245	.6043	.1261	.3262	.3066	.2633	.0753
#1	2.122	.0097	.5849	.0602	.9543	1.609	16.10	.3474	.0951
#2	2.112	.0097	.5867	.0608	.9560	1.602	16.17	.3487	.0952

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2963**	**89.89**	**.1043**	**3.502**	**11.13**	**.0142**	**.0415**	**149.9**	**485.0**
Stddev	.0001	.18	.0003	.009	.02	.0002	.0005	.8	3.3
%RSD	.0231	.1961	.2418	.2517	.2060	1.398	1.174	.5255	.6887
#1	.2962	89.77	.1045	3.495	11.12	.0141	.0412	150.5	487.4
#2	.2963	90.02	.1041	3.508	11.15	.0144	.0419	149.4	482.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**296.3**	**66.44**	**16.57**	**4.800**	**.2174**	**.0371**	**-.0387**	**2.337**	**.7055**
Stddev	.5	.17	.05	.029	.0005	.0004	.0009	.006	.0002
%RSD	.1580	.2542	.3041	.6025	.2298	1.168	2.258	.2582	.0319
#1	296.6	66.56	16.60	4.820	.2178	.0368	-.0381	2.333	.7056
#2	295.9	66.32	16.53	4.779	.2171	.0374	-.0393	2.342	.7053

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.368**	**4.820**	**.0748**	**.1383**	**19.47**	**.0546**	**.1402**
Stddev	.002	.001	.0000	.0002	.04	.0004	.0001
%RSD	.1402	.0249	.0419	.1648	.2029	.6896	.0395
#1	1.370	4.821	.0748	.1384	19.50	.0548	.1401
#2	1.367	4.819	.0748	.1381	19.44	.0543	.1402

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79328.**	**14559.**	**1649.5**	**5032.5**
Stddev	61.	39.	.7	4.3
%RSD	.07659	.26623	.04514	.08485
#1	79285.	14532.	1650.0	5035.5
#2	79371.	14587.	1649.0	5029.5

Zoom In Zoom Out

Sample Name: jb68173-1 Acquired: 6/7/2014 9:16:35 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3954**	**.0039**	**.0026**	**.0409**	**.1309**	**.0725**	**1.688**	**.1820**	**.0066**
Stddev	.0003	.0001	.0000	.0003	.0008	.0001	.005	.0006	.0001
%RSD	.0754	1.547	1.422	.8211	.6365	.0699	.3286	.3110	2.013
#1	.3952	.0039	.0026	.0411	.1314	.0724	1.692	.1816	.0065
#2	.3957	.0039	.0026	.0407	.1303	.0725	1.684	.1824	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1569**	**.2320**	**.0243**	**.0087**	**.0521**	**.0055**	**-.0003**	**60.28**	**10.27**
Stddev	.0001	.0011	.0004	.0016	.0009	.0031	.0005	.03	.02
%RSD	.0436	.4856	1.739	18.75	1.690	56.76	168.8	.0430	.1922
#1	.1570	.2312	.0240	.0076	.0527	.0077	-.0006	60.26	10.29
#2	.1569	.2328	.0246	.0099	.0515	.0033	.0001	60.30	10.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**101.9**	**21.40**	**10.47**	**1.039**	**.0335**	**-.0055**	**-.0047**	**1.608**	**.0135**
Stddev	.1	.04	.01	.002	.0000	.0003	.0007	.001	.0002
%RSD	.1031	.1785	.1100	.2113	.0463	5.987	15.62	.0791	1.166
#1	102.0	21.37	10.48	1.037	.0335	-.0052	-.0042	1.607	.0134
#2	101.8	21.43	10.46	1.040	.0334	-.0057	-.0052	1.609	.0137

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0491**	**2.809**	**-.0156**	**.0395**	**.1805**	**-.0079**	**.0687**
Stddev	.0001	.006	.0006	.0001	.0007	.0009	.0002
%RSD	.1520	.2283	3.942	.3583	.3647	11.36	.2980
#1	.0492	2.813	-.0161	.0396	.1801	-.0086	.0686
#2	.0491	2.804	-.0152	.0394	.1810	-.0073	.0689

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86815.**	**15106.**	**1824.7**	**5677.0**
Stddev	172.	22.	.7	1.5
%RSD	.19820	.14577	.03720	.02644
#1	86694.	15090.	1824.2	5675.9
#2	86937.	15121.	1825.2	5678.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 9:22:46 Type: QC
Method: Accutest1(v125) 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	**1.951**	**1.933**	**1.966**	**1.938**	**1.954**	**1.930**	**1.987**	**1.992**	**.2426**
Stddev	.046	.043	.004	.004	.022	.023	.020	.002	.0016
%RSD	2.380	2.196	.1974	.2323	1.112	1.191	1.000	.0903	.6494
#1	1.984	1.963	1.963	1.935	1.939	1.914	1.973	1.991	.2415
#2	1.918	1.903	1.968	1.941	1.969	1.946	2.001	1.994	.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	**1.947**	**1.995**	**1.956**	**2.010**	**1.980**	**1.995**	**1.985**	**38.80**	**37.62**
Stddev	.025	.005	.004	.001	.000	.001	.004	.84	.77
%RSD	1.261	.2441	.2127	.0542	.0132	.0338	.2122	2.161	2.052
#1	1.929	1.991	1.954	2.010	1.980	1.995	1.982	39.39	38.17
#2	1.964	1.998	1.959	2.011	1.980	1.994	1.988	38.20	37.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.37**	**36.54**	**38.35**	**38.38**	**2.017**	**1.982**	**1.948**	**5.006**	**2.022**
Stddev	.79	.63	.92	.90	.002	.006	.019	.000	.009
%RSD	2.103	1.718	2.396	2.349	.0992	.3229	.9669	.0054	.4384
#1	37.93	36.99	39.00	39.02	2.016	1.977	1.935	5.006	2.016
#2	36.82	36.10	37.70	37.74	2.018	1.986	1.961	5.006	2.029
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: 6/7/2014 9:22:46 Type: QC
Method: Accutest1(v125) 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	**1.974**	**1.970**	F **1.790**	**1.947**	**1.925**	**2.011**	**1.941**
Stddev	.043	.023	.020	.023	.007	.001	.042
%RSD	2.181	1.162	1.142	1.196	.3910	.0658	2.140
#1	2.004	1.953	1.775	1.931	1.919	2.010	1.971
#2	1.943	1.986	1.804	1.964	1.930	2.012	1.912
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	**83639.**	**14790.**	**1754.2**	**5462.8**
Stddev	782.	222.	3.5	5.9
%RSD	.93548	1.5034	.20231	.10752
#1	84192.	14632.	1756.8	5467.0
#2	83086.	14947.	1751.7	5458.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 9:28:49 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0003**	**.0005**	**.0005**	F **.0021**	**.0009**	**.0010**	**.0006**	**-.0001**
Stddev	.0002	.0001	.0006	.0006	.0006	.0001	.0004	.0007	.0002
%RSD	123.0	41.92	113.7	113.3	27.32	12.87	38.26	118.1	306.4
#1	.0000	.0002	.0010	.0009	.0017	.0008	.0007	.0011	-.0002
#2	.0004	.0003	.0001	.0001	.0025	.0010	.0012	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.0012				
Low Limit					-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0013**	**.0010**	**.0014**	**.0010**	**.0019**	**-.0003**	**-.0023**	**.0089**
Stddev	.0003	.0010	.0003	.0001	.0007	.0005	.0007	.0036	.0032
%RSD	60.07	80.19	26.41	9.621	73.66	26.33	280.1	155.9	36.25
#1	.0003	.0020	.0008	.0015	.0015	.0023	.0003	.0002	.0066
#2	.0007	.0006	.0012	.0013	.0005	.0015	-.0008	-.0049	.0112
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	**.0075**	**.0033**	**.0098**	**.0133**	**-.0005**	**.0009**	**.0017**	**.0026**	**.0011**
Stddev	.0046	.0268	.0188	.0022	.0005	.0007	.0006	.0003	.0009
%RSD	61.53	800.6	191.8	16.22	98.17	73.42	33.85	12.85	76.25
#1	.0042	-.0156	.0231	.0118	-.0002	.0014	.0013	.0028	.0018
#2	.0107	.0223	-.0035	.0148	-.0009	.0004	.0021	.0023	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 9:28:49 Type: QC
Method: Accutest1(v125) 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**	**-.0008**	**.0009**	**.0018**	**.0007**	**.0001**
Stddev	.0002	.0002	.0029	.0001	.0016	.0019	.0005
%RSD	135.4	50.94	374.6	11.02	90.62	249.6	393.3
#1	.0000	.0003	.0013	.0008	.0029	.0021	-.0002
#2	.0003	.0006	-.0029	.0010	.0006	-.0006	.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	**87776.**	**14822.**	**1860.3**	**6202.5**
Stddev	264.	256.	.6	12.2
%RSD	.30092	1.7268	.03226	.19622
#1	87589.	15003.	1860.8	6211.1
#2	87963.	14641.	1859.9	6193.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/7/2014 9:35:09 Type: QC
Method: Accutest1(v125) Mode: 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	**.2019**	**.0024**	**.0038**	**.0489**	**.0114**	**.0105**	**.0161**	**.0099**	**.0051**
Stddev	.0003	.0001	.0003	.0000	.0004	.0001	.0002	.0003	.0002
%RSD	.1446	3.502	8.045	.0879	3.823	.8389	.9441	3.164	3.230
#1	.2021	.0023	.0036	.0489	.0111	.0106	.0162	.0101	.0050
#2	.2016	.0024	.0040	.0490	.0117	.0105	.0160	.0097	.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	**.0500**	**.0225**	**.0089**	**.0116**	**.0033**	**.0096**	**.0048**	**.2008**	**4.834**
Stddev	.0002	.0001	.0002	.0003	.0005	.0006	.0003	.0029	.015
%RSD	.4044	.6319	2.452	2.904	14.73	6.539	5.365	1.444	.3071
#1	.0502	.0226	.0088	.0113	.0037	.0100	.0046	.2029	4.845
#2	.0499	.0224	.0091	.0118	.0030	.0091	.0050	.1988	4.824
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	**.1098**	**4.808**	**5.044**	**4.874**	**.1022**	**.0202**	**.0547**	**.2099**	**.0115**
Stddev	.0027	.002	.026	.018	.0000	.0001	.0003	.0003	.0000
%RSD	2.447	.0370	.5213	.3711	.0334	.4932	.5229	.1401	.1886
#1	.1079	4.807	5.025	4.887	.1022	.0201	.0550	.2101	.0114
#2	.1117	4.809	5.063	4.861	.1022	.0203	.0545	.2097	.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: 6/7/2014 9:35:09 Type: QC
Method: Accutest1(v125) 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**	**.0111**	**.0381**	**.0118**	**.0474**	**.0220**	**.0212**
Stddev	.0000	.0003	.0000	.0000	.0013	.0000	.0001
%RSD	.0978	2.860	.0483	.0575	2.712	.0242	.2441
#1	.0106	.0109	.0380	.0118	.0483	.0220	.0211
#2	.0107	.0113	.0381	.0117	.0464	.0220	.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86838.**	**14572.**	**1830.1**	**5993.6**
Stddev	59.	6.	.9	11.0
%RSD	.06784	.03890	.04658	.18389
#1	86796.	14576.	1830.7	6001.4
#2	86879.	14568.	1829.5	5985.8

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 9:41:24 Type: QC
Method: Accutest1(v125) Mode: 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	**.0039**	**.0011**	**.0011**	**.0031**	**.0025**	F **.0027**	**.0034**	**.0044**	F **.0015**
Stddev	.0002	.0000	.0000	.0000	.0002	.0001	.0000	.0003	.0001
%RSD	5.804	4.226	4.069	1.138	8.221	4.955	1.408	7.666	8.888
#1	.0040	.0011	.0011	.0031	.0026	.0026	.0033	.0046	.0014
#2	.0037	.0010	.0011	.0031	.0023	.0028	.0034	.0042	.0016
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	**.0019**	F **.0137**	**.0032**	F **.0027**	F **.0043**	**.0053**	**.0026**	**.0985**	**.9867**
Stddev	.0000	.0002	.0001	.0009	.0009	.0019	.0008	.0009	.0067
%RSD	.6414	1.505	2.699	33.85	20.00	34.71	29.40	.8779	.6791
#1	.0019	.0135	.0031	.0033	.0037	.0040	.0020	.0991	.9915
#2	.0019	.0138	.0032	.0021	.0049	.0066	.0031	.0979	.9820
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.0100		.0020	.0025				
Range		30.00%		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	**.0041**	**.0817**	**2.053**	**1.006**	**.0091**	**-.0007**	**.0002**	**.0011**	**.0005**
Stddev	.0005	.0064	.045	.004	.0001	.0000	.0003	.0003	.0003
%RSD	11.97	7.881	2.180	.3566	1.028	6.891	121.1	28.38	64.04
#1	.0038	.0771	2.084	1.009	.0092	-.0007	.0004	.0009	.0003
#2	.0045	.0862	2.021	1.004	.0090	-.0007	.0000	.0013	.0008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 9:41:24 Type: QC
Method: Accutest1(v125) 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**	**-.0157**	**-.0004**	**.0020**	**.0002**	**-.0004**
Stddev	.0000	.0003	.0005	.0001	.0002	.0003	.0006
%RSD	9.120	430.4	3.198	30.62	11.62	146.0	129.4
#1	-.0001	-.0001	-.0154	-.0005	.0019	.0000	.0000
#2	-.0001	.0003	-.0161	-.0003	.0022	.0004	-.0008
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	**86243.**	**14548.**	**1815.1**	**6002.6**
Stddev	50.	8.	33.3	105.9
%RSD	.05842	.05274	1.8345	1.7640
#1	86278.	14543.	1838.6	6077.5
#2	86207.	14554.	1791.5	5927.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/7/2014 9:47:43 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**.0001**	**-.0001**	**.0004**	**.0002**	**.0000**	**-.0002**	**.0003**
Stddev	.0002	.000	.0001	.0002	.0001	.0002	.000	.0000	.0001
%RSD	214.9	34.96	120.4	197.4	37.96	125.3	97.67	15.32	51.98
#1	.0000	.0000	.0002	.0000	.0003	.0003	.0000	-.0002	.0002
#2	-.0002	.0000	.0000	-.0002	.0004	.0000	.0000	-.0002	.0004
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**	**.0015**	**.0191**	**-.0018**	**.0206**	**.0237**	**.0186**	**.4861**	**.0111**
Stddev	.0000	.0000	.0009	.0003	.0003	.0006	.0004	.0034	.0012
%RSD	35.51	3.255	4.742	15.94	1.519	2.563	2.206	.6900	10.85
#1	-.0001	.0014	.0185	-.0020	.0209	.0242	.0189	.4837	.0103
#2	-.0001	.0015	.0197	-.0016	.0204	.0233	.0183	.4885	.0120
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	**.5023**	**-.0151**	**-.0069**	**.0036**	**-.0016**	**-.0008**	**.0003**	**.0016**	**.0011**
Stddev	.0009	.0075	.0257	.0002	.0000	.0001	.0001	.0007	.0002
%RSD	.1841	49.93	371.8	6.065	.5908	16.41	51.43	45.35	17.85
#1	.5029	-.0204	.0112	.0034	-.0016	-.0009	.0002	.0011	.0013
#2	.5016	-.0098	-.0250	.0037	-.0016	-.0007	.0003	.0021	.0010
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/7/2014 9:47:43 Type: QC
Method: Accutest1(v125) 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**	**-.0160**	**-.0005**	**.0002**	**.0004**	**-.0001**
Stddev	.0000	.0000	.0012	.0002	.0015	.0006	.0010
%RSD	15.35	7.647	7.297	32.43	633.1	147.1	740.8
#1	-.0001	-.0004	-.0168	-.0004	-.0008	.0000	.0006
#2	-.0001	-.0004	-.0152	-.0007	.0013	.0009	-.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	**88110.**	**14476.**	**1845.5**	**6127.3**
Stddev	92.	51.	.7	4.2
%RSD	.10452	.35398	.03577	.06773
#1	88045.	14512.	1845.9	6130.3
#2	88175.	14440.	1845.0	6124.4

Zoom In Zoom Out

Sample Name: srconf Acquired: 6/7/2014 9:54:03 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0004**	**.0000**	**.0006**	**.0007**	**.0000**	**.0001**	**.0002**
Stddev	.0000	.000	.0002	.0000	.0001	.0000	.000	.0001	.0000
%RSD	43.23	47.78	44.51	56.68	14.89	5.428	53.55	90.89	21.32
#1	-.0001	.0000	.0005	.0000	.0007	.0007	-.0001	.0000	.0002
#2	-.0001	.0000	.0003	.0001	.0006	.0006	.0000	.0002	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0005**	**.0000**	**.0005**	**.0014**	**.0019**	**-.0018**	**-.0081**	**.0030**
Stddev	.0000	.0002	.000	.0004	.0004	.0010	.0013	.0035	.0024
%RSD	54.39	30.35	1919.	91.97	26.32	52.63	70.94	42.65	81.74
#1	-.0001	.0004	-.0003	.0002	.0011	.0026	-.0027	-.0106	.0013
#2	-.0001	.0006	.0003	.0007	.0017	.0012	-.0009	-.0057	.0047

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0018**	**-.0126**	**-.0019**	**.0044**	**-.0018**	**-.0012**	**.0006**	**.0102**	**.0005**
Stddev	.0013	.0216	.0048	.0026	.0000	.0001	.0001	.0003	.0006
%RSD	70.76	171.0	251.0	58.68	1.481	6.024	18.73	2.607	118.9
#1	.0027	.0026	.0015	.0026	-.0018	-.0011	.0007	.0101	.0010
#2	.0009	-.0279	-.0053	.0063	-.0018	-.0012	.0005	.0104	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**9.498**	**-.0003**	**-.0198**	**-.0007**	**.0002**	**.0001**	**-.0004**
Stddev	.173	.0003	.0004	.0000	.0010	.0000	.0000
%RSD	1.821	103.3	1.918	.2744	456.5	70.91	8.286
#1	9.376	-.0005	-.0201	-.0007	-.0005	.0001	-.0003
#2	9.620	-.0001	-.0196	-.0007	.0009	.0000	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87444.**	**14719.**	**1857.4**	**6162.7**
Stddev	143.	64.	.9	4.7
%RSD	.16368	.43403	.04675	.07632
#1	87343.	14764.	1858.0	6166.1
#2	87545.	14674.	1856.7	6159.4

Zoom In Zoom Out

Sample Name: vconf Acquired: 6/7/2014 10:00:28 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0021**	**.0010**	**.0001**	**.0005**	**-.0019**	**-.0001**	**.0003**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0006	.0002	.0001	.0001	.0002
%RSD	210.2	.7880	9.707	78.80	114.9	11.19	110.7	46.29	74.27
#1	.0001	.0021	.0010	.0002	.0010	-.0020	-.0001	.0004	.0004
#2	.0000	.0021	.0011	.0001	.0001	-.0017	.0000	.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.510**	**.0080**	**.0004**	**.0173**	**.0026**	**.0041**	**.0014**	**-.0056**	**.0338**
Stddev	.008	.0001	.0000	.0005	.0004	.0015	.0004	.0017	.0011
%RSD	.0841	1.611	7.678	2.941	14.85	37.37	30.92	29.91	3.250
#1	9.516	.0081	.0004	.0169	.0028	.0051	.0017	-.0044	.0346
#2	9.505	.0079	.0004	.0176	.0023	.0030	.0011	-.0067	.0330

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0089**	**-.0087**	**-.0128**	**.0064**	**-.0016**	**-.0087**	**.0021**	**.0369**	**.0001**
Stddev	.0025	.0032	.0115	.0006	.0008	.0001	.0002	.0002	.0000
%RSD	28.23	36.98	90.01	9.737	51.48	.7506	10.80	.4769	51.29
#1	.0072	-.0064	-.0209	.0069	-.0010	-.0088	.0020	.0370	.0001
#2	.0107	-.0110	-.0047	.0060	-.0021	-.0087	.0023	.0367	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**-.0300**	**-.0009**	**.0016**	**-.0051**	**-.0005**
Stddev	.0000	.0001	.0003	.0001	.0018	.0006	.0004
%RSD	120.8	88.27	1.031	7.978	112.6	11.82	82.48
#1	.0000	-.0001	-.0302	-.0009	.0003	-.0047	-.0002
#2	.0001	.0000	-.0298	-.0008	.0028	-.0055	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86301.**	**14623.**	**1843.8**	**6093.2**
Stddev	177.	14.	6.0	12.3
%RSD	.20529	.09826	.32468	.20148
#1	86176.	14613.	1839.6	6084.5
#2	86427.	14633.	1848.1	6101.9

Zoom In Zoom Out

Sample Name: ticonf Acquired: 6/7/2014 10:06:46 Type: Unk
Method: Accutest1(v125) Mode: 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**	**.0008**	**.0005**	**-.0007**	**.0018**	**-.0006**	**-.0009**	**-.0011**	**.0008**
Stddev	.0001	.0001	.0001	.0002	.0001	.0003	.0000	.0001	.0000
%RSD	170.0	7.904	17.89	21.53	7.102	45.56	5.041	5.206	4.187
#1	.0000	.0008	.0005	-.0008	.0019	-.0008	-.0009	-.0010	.0008
#2	.0001	.0008	.0004	-.0006	.0017	-.0004	-.0008	-.0011	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0038**	**.0012**	**.0052**	**.0009**	**-.0003**	**.0002**	**.0721**	**.0227**
Stddev	.0003	.0001	.0004	.0002	.0002	.0004	.0006	.0052	.0006
%RSD	35.35	1.413	35.08	4.201	24.23	132.2	400.9	7.248	2.459
#1	.0006	.0037	.0014	.0054	.0008	.0000	-.0003	.0758	.0231
#2	.0009	.0038	.0009	.0051	.0011	-.0006	.0006	.0684	.0223

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0128**	**-.0228**	**-.0156**	**.0018**	**-.0004**	**-.0038**	**.0054**	**-.1123**	**-.0118**
Stddev	.0018	.0061	.0058	.0052	.0000	.0001	.0014	.0018	.0003
%RSD	13.99	26.60	36.99	293.8	6.186	1.977	26.45	1.577	2.409
#1	.0116	-.0185	-.0115	-.0019	-.0004	-.0038	.0044	-.1110	-.0120
#2	.0141	-.0271	-.0197	.0054	-.0004	-.0037	.0064	-.1135	-.0116

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**9.648**	**-.0193**	**.0086**	**.0019**	**-.0116**	**-.0005**
Stddev	.0000	.031	.0011	.0007	.0016	.0002	.0002
%RSD	14.49	.3258	5.706	8.461	84.83	2.123	42.06
#1	-.0001	9.625	-.0185	.0091	.0008	-.0114	-.0004
#2	-.0001	9.670	-.0201	.0081	.0031	-.0118	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89480.**	**15117.**	**1862.4**	**6166.1**
Stddev	218.	581.	2.0	9.2
%RSD	.24308	3.8410	.10712	.14839
#1	89634.	15527.	1863.8	6172.5
#2	89327.	14706.	1861.0	6159.6

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/7/2014 10:13:03 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0002**	**-.0002**	**.0004**	**.0008**	**-.0016**	**-.0001**	**.0003**
Stddev	.0000	.000	.0000	.0002	.0000	.0000	.0000	.0001	.0001
%RSD	29.53	46.34	23.61	86.35	5.074	.0038	.4247	62.75	28.57
#1	.0000	.0000	.0002	-.0001	.0004	.0008	-.0016	-.0001	.0003
#2	.0001	.0000	.0002	-.0003	.0004	.0008	-.0016	-.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0014**	**-.0006**	**-.0016**	**.0007**	**.0061**	**-.0010**	**-.0015**	**.0209**
Stddev	.0002	.0002	.0002	.0001	.0002	.0023	.0011	.0088	.0024
%RSD	378.9	16.92	29.11	7.929	35.41	37.25	107.3	591.2	11.72
#1	.0002	-.0016	-.0005	-.0016	.0005	.0077	-.0002	.0047	.0226
#2	-.0001	-.0013	-.0008	-.0015	.0009	.0045	-.0018	-.0077	.0192

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0051**	**-.0052**	**.0014**	**.0053**	**.0031**	**-.0009**	**.0008**	**10.91**	**.0007**
Stddev	.0004	.0053	.0089	.0010	.0004	.0001	.0003	.04	.0003
%RSD	7.170	102.4	635.6	18.98	12.12	14.96	38.53	.3246	42.94
#1	.0048	-.0014	-.0049	.0046	.0033	-.0010	.0010	10.89	.0005
#2	.0054	-.0090	.0077	.0060	.0028	-.0008	.0006	10.94	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0007**	**-.0169**	**.0066**	**.0011**	**-.0002**	**-.0006**
Stddev	.0000	.0001	.0005	.0003	.0005	.0002	.0002
%RSD	25.62	19.41	2.745	4.970	46.52	90.45	35.42
#1	-.0001	.0006	-.0165	.0069	.0008	-.0003	-.0005
#2	-.0002	.0008	-.0172	.0064	.0015	-.0001	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86729.**	**14683.**	**1859.4**	**6125.0**
Stddev	155.	118.	4.2	10.1
%RSD	.17857	.80482	.22365	.16497
#1	86619.	14767.	1862.3	6132.2
#2	86838.	14600.	1856.4	6117.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 10:19:22 Type: QC
Method: Accutest1(v125) 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	**1.979**	**1.965**	**1.957**	**1.946**	**1.956**	**1.934**	**2.020**	**1.993**	**.2456**
Stddev	.003	.003	.000	.001	.002	.000	.006	.000	.0019
%RSD	.1676	.1431	.0021	.0581	.0917	.0216	.3238	.0023	.7534
#1	1.981	1.967	1.957	1.947	1.958	1.934	2.024	1.993	.2469
#2	1.977	1.963	1.957	1.945	1.955	1.934	2.015	1.993	.2443
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	**1.956**	**1.993**	**1.949**	**2.067**	**1.982**	**1.982**	**1.959**	**38.80**	**37.96**
Stddev	.002	.001	.000	.001	.000	.004	.000	.03	.01
%RSD	.1157	.0626	.0184	.0316	.0226	.2279	.0206	.0689	.0389
#1	1.957	1.994	1.949	2.066	1.983	1.986	1.959	38.78	37.97
#2	1.954	1.992	1.950	2.067	1.982	1.979	1.960	38.82	37.95
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	**38.66**	**38.12**	**38.78**	**38.58**	**1.992**	**1.974**	**1.965**	**4.947**	**2.020**
Stddev	.11	.06	.05	.06	.002	.004	.001	.000	.001
%RSD	.2815	.1546	.1182	.1655	.1090	.1866	.0735	.0089	.0443
#1	38.74	38.07	38.81	38.62	1.993	1.971	1.966	4.947	2.021
#2	38.58	38.16	38.75	38.53	1.990	1.976	1.964	4.946	2.020
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: 6/7/2014 10:19:22 Type: QC
Method: Accutest1(v125) 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	**2.039**	**1.998**	F **1.785**	**1.980**	**1.948**	**1.980**	**1.974**
Stddev	.003	.005	.012	.005	.004	.005	.003
%RSD	.1459	.2681	.6849	.2370	.1782	.2522	.1253
#1	2.041	2.002	1.776	1.984	1.951	1.977	1.976
#2	2.036	1.994	1.794	1.977	1.946	1.984	1.972
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	**82978.**	**14503.**	**1784.4**	**5517.8**
Stddev	47.	24.	.2	.9
%RSD	.05651	.16822	.01355	.01550
#1	83011.	14486.	1784.6	5518.4
#2	82945.	14520.	1784.3	5517.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 10:25:25 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0006**	F **.0009**	**.0009**	F **.0018**	**.0014**	**.0010**	**.0009**	**.0003**
Stddev	.0002	.0001	.0004	.0002	.0001	.0002	.0001	.0005	.0000
%RSD	45.71	23.48	44.41	18.67	6.836	17.54	7.219	60.12	5.661
#1	.0003	.0005	.0012	.0010	.0018	.0012	.0010	.0013	.0003
#2	.0007	.0007	.0006	.0008	.0017	.0016	.0011	.0005	.0003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006		.0012				
Low Limit			-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0010**	**.0007**	F **.0022**	**.0014**	**.0012**	**-.0001**	**.0045**	**.0173**
Stddev	.0000	.0002	.0001	.0005	.0001	.0004	.0004	.0043	.0025
%RSD	2.562	23.62	17.61	22.72	5.929	37.75	467.6	94.98	14.71
#1	.0012	.0012	.0008	.0018	.0015	.0009	.0002	.0015	.0155
#2	.0011	.0008	.0007	.0025	.0014	.0015	-.0003	.0075	.0191
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 **.0129**	**.0003**	**.0260**	**.0165**	**.0003**	**.0016**	**.0016**	**.0038**	**.0012**
Stddev	.0046	.0053	.0132	.0022	.0000	.0004	.0011	.0010	.0002
%RSD	35.63	1558.	50.82	13.26	.4253	25.05	68.07	27.46	15.88
#1	.0096	.0041	.0167	.0181	.0003	.0019	.0008	.0045	.0014
#2	.0161	-.0034	.0353	.0150	.0003	.0013	.0023	.0030	.0011
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 10:25:25 Type: QC
Method: Accutest1(v125) 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**	**.0010**	**.0022**	F **.0011**	**-.0009**	**.0013**	**.0005**
Stddev	.0002	.0004	.0015	.0001	.0002	.0002	.0002
%RSD	27.85	38.28	66.01	11.02	21.73	12.86	31.45
#1	.0005	.0013	.0033	.0012	-.0007	.0014	.0007
#2	.0007	.0007	.0012	.0010	-.0010	.0012	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010			
Low Limit				-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89589.**	**14779.**	**1877.5**	**6212.6**
Stddev	43.	47.	1.8	10.4
%RSD	.04752	.32078	.09486	.16799
#1	89619.	14745.	1878.8	6220.0
#2	89559.	14812.	1876.2	6205.2

Zoom In Zoom Out

Sample Name: jb68173-2 Acquired: 6/7/2014 10:31:43 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4466**	**.0048**	**.0032**	**.0462**	**.1184**	**.0918**	**1.250**	**.1498**	**.0052**
Stddev	.0009	.0000	.0001	.0000	.0003	.0005	.004	.0002	.0000
%RSD	.2021	.5640	4.053	.0705	.2407	.5248	.2761	.1107	.7327
#1	.4472	.0048	.0031	.0463	.1186	.0914	1.253	.1497	.0052
#2	.4460	.0049	.0033	.0462	.1182	.0921	1.248	.1499	.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1736**	**.2687**	**.0248**	**.0086**	**.0740**	**.0045**	**-.0017**	**59.18**	**12.52**
Stddev	.0001	.0002	.0006	.0027	.0007	.0001	.0003	.03	.03
%RSD	.0361	.0684	2.614	31.66	1.011	1.993	15.94	.0482	.2055
#1	.1736	.2686	.0243	.0066	.0745	.0046	-.0015	59.16	12.51
#2	.1735	.2688	.0252	.0105	.0735	.0045	-.0019	59.20	12.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**105.6**	**21.70**	**11.76**	**1.157**	**.0385**	**-.0046**	**-.0035**	**1.493**	**.0123**
Stddev	.1	.07	.00	.007	.0004	.0003	.0006	.005	.0002
%RSD	.0693	.3149	.0176	.5911	1.026	5.666	16.22	.3710	1.800
#1	105.6	21.65	11.76	1.162	.0387	-.0044	-.0039	1.490	.0124
#2	105.7	21.75	11.76	1.153	.0382	-.0048	-.0031	1.497	.0121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0618**	**3.112**	**-.0046**	**.0420**	**.3322**	**-.0065**	**.0807**
Stddev	.0000	.006	.0008	.0002	.0001	.0005	.0003
%RSD	.0116	.1853	16.59	.4090	.0196	7.507	.3098
#1	.0619	3.116	-.0052	.0419	.3321	-.0062	.0805
#2	.0618	3.108	-.0041	.0421	.3322	-.0069	.0809

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87816.**	**15420.**	**1878.1**	**5747.5**
Stddev	119.	79.	2.1	.5
%RSD	.13567	.51225	.11311	.00929
#1	87732.	15476.	1879.6	5747.9
#2	87900.	15364.	1876.6	5747.1

Zoom In Zoom Out

Sample Name: jb68173-3 Acquired: 6/7/2014 10:37:51 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4077**	**.0044**	**.0049**	**.0533**	**.1472**	**.1219**	**1.798**	**.2414**	**.0060**
Stddev	.0011	.0000	.0001	.0000	.0004	.0002	.001	.0013	.0001
%RSD	.2750	.0453	1.353	.0819	.2937	.1459	.0623	.5307	2.280
#1	.4069	.0044	.0048	.0533	.1469	.1220	1.798	.2405	.0061
#2	.4085	.0044	.0049	.0533	.1475	.1218	1.799	.2423	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1979**	**.2698**	**.0291**	**.0096**	**.0753**	**.0033**	**-.0005**	**61.55**	**26.10**
Stddev	.0004	.0005	.0001	.0013	.0010	.0010	.0003	.10	.11
%RSD	.1775	.1786	.2315	13.15	1.275	32.13	48.50	.1600	.4126
#1	.1981	.2695	.0290	.0105	.0746	.0040	-.0004	61.48	26.18
#2	.1976	.2702	.0291	.0087	.0760	.0025	-.0007	61.62	26.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**112.7**	**32.91**	**13.45**	**2.090**	**.0370**	**-.0055**	**-.0051**	**2.652**	**.0134**
Stddev	.1	.10	.01	.013	.0002	.0001	.0002	.006	.0001
%RSD	.1083	.2991	.0429	.6119	.4058	2.222	3.402	.2393	.7413
#1	112.8	32.98	13.45	2.081	.0369	-.0056	-.0050	2.648	.0135
#2	112.6	32.84	13.46	2.099	.0371	-.0054	-.0052	2.657	.0133

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0795**	**3.710**	**-.0020**	**.0457**	**.3630**	**-.0085**	**.0786**
Stddev	.0001	.006	.0003	.0002	.0005	.0003	.0004
%RSD	.1681	.1538	14.09	.3963	.1488	3.114	.4850
#1	.0794	3.706	-.0018	.0455	.3634	-.0087	.0783
#2	.0796	3.714	-.0022	.0458	.3626	-.0083	.0789

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91486.**	**15490.**	**1893.5**	**5773.7**
Stddev	135.	77.	.6	14.5
%RSD	.14787	.49567	.03186	.25076
#1	91582.	15436.	1893.9	5783.9
#2	91391.	15544.	1893.1	5763.4

Zoom In Zoom Out

Sample Name: jb68173-4 Acquired: 6/7/2014 10:44:00 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3315**	**.0031**	**.0029**	**.0369**	**.1072**	**.0884**	**1.639**	**.1750**	**.0045**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.005	.0004	.0003
%RSD	.0070	.6410	4.082	.3593	.0956	.0101	.3116	.2404	5.695
#1	.3315	.0031	.0029	.0368	.1072	.0884	1.635	.1747	.0044
#2	.3315	.0031	.0028	.0370	.1071	.0884	1.642	.1753	.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1309**	**.2830**	**.0191**	**.0102**	**.0612**	**.0032**	**-.0012**	**44.72**	**28.42**
Stddev	.0001	.0006	.0006	.0007	.0020	.0001	.0014	.07	.08
%RSD	.0494	.2047	3.166	7.264	3.254	3.545	119.5	.1457	.2940
#1	.1309	.2834	.0186	.0097	.0598	.0031	-.0022	44.77	28.48
#2	.1310	.2826	.0195	.0107	.0626	.0033	-.0002	44.67	28.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**85.64**	**26.47**	**9.739**	**1.329**	**.0294**	**-.0048**	**-.0048**	**1.560**	**.0139**
Stddev	.15	.08	.018	.003	.0006	.0000	.0003	.004	.0007
%RSD	.1701	.2882	.1829	.2281	2.068	.3753	6.567	.2754	4.931
#1	85.75	26.52	9.751	1.326	.0290	-.0048	-.0050	1.563	.0144
#2	85.54	26.42	9.726	1.331	.0299	-.0047	-.0046	1.556	.0135

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0780**	**2.619**	**-.0093**	**.0353**	**.2677**	**-.0073**	**.0626**
Stddev	.0001	.008	.0002	.0003	.0004	.0005	.0001
%RSD	.0690	.2983	1.632	.7541	.1536	6.404	.1216
#1	.0781	2.614	-.0092	.0351	.2674	-.0069	.0625
#2	.0780	2.625	-.0094	.0355	.2680	-.0076	.0626

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88003.**	**15399.**	**1869.8**	**5768.1**
Stddev	299.	66.	1.3	7.7
%RSD	.34025	.42863	.06946	.13396
#1	88215.	15352.	1868.9	5773.6
#2	87791.	15445.	1870.7	5762.6

Zoom In Zoom Out

Sample Name: jb68173-5 Acquired: 6/7/2014 10:50:08 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5085**	**.0044**	**.0032**	**.0397**	**.1191**	**.1006**	**.9068**	**.1502**	**.0049**
Stddev	.0001	.0000	.0001	.0003	.0001	.0001	.0033	.0000	.0001
%RSD	.0274	.0718	2.831	.7758	.0809	.1355	.3627	.0325	2.261
#1	.5086	.0044	.0031	.0399	.1192	.1005	.9044	.1502	.0050
#2	.5084	.0044	.0032	.0395	.1191	.1007	.9091	.1502	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1583**	**.2602**	**.0271**	**.0103**	**.1303**	**.0058**	**-.0007**	**69.59**	**7.937**
Stddev	.0007	.0001	.0008	.0021	.0003	.0012	.0004	.12	.039
%RSD	.4330	.0356	2.944	20.02	.2264	20.69	54.66	.1667	.4943
#1	.1587	.2601	.0277	.0117	.1301	.0066	-.0010	69.67	7.965
#2	.1578	.2603	.0266	.0088	.1305	.0049	-.0005	69.51	7.909

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.49**	**18.64**	**10.24**	**1.030**	**.0370**	**-.0043**	**-.0033**	**1.792**	**.0137**
Stddev	.22	.08	.03	.002	.0000	.0003	.0002	.009	.0004
%RSD	.2409	.4082	.2951	.1824	.1036	7.374	5.482	.4889	3.274
#1	90.64	18.70	10.26	1.032	.0371	-.0040	-.0032	1.798	.0140
#2	90.34	18.59	10.22	1.029	.0370	-.0045	-.0034	1.785	.0134

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0547**	**2.514**	**-.0094**	**.0403**	**.3906**	**-.0052**	**.0713**
Stddev	.0001	.009	.0001	.0003	.0008	.0004	.0001
%RSD	.1498	.3701	1.352	.6530	.1972	6.788	.1333
#1	.0547	2.507	-.0093	.0401	.3911	-.0055	.0714
#2	.0546	2.521	-.0095	.0405	.3900	-.0050	.0712

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88284.**	**15305.**	**1885.3**	**5811.8**
Stddev	460.	54.	6.7	9.7
%RSD	.52086	.35197	.35313	.16622
#1	88609.	15267.	1880.6	5805.0
#2	87959.	15343.	1890.0	5818.6

Zoom In Zoom Out

Sample Name: jb68173-6 Acquired: 6/7/2014 10:56:18 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3953**	**.0040**	**.0029**	**.0324**	**.1040**	**.0733**	**.6761**	**.1241**	**.0049**
Stddev	.0001	.0001	.0001	.0001	.0003	.0004	.0029	.0005	.0000
%RSD	.0251	2.023	2.338	.3917	.2470	.5906	.4323	.3829	.4829
#1	.3954	.0040	.0030	.0325	.1041	.0730	.6781	.1245	.0050
#2	.3952	.0039	.0029	.0323	.1038	.0736	.6740	.1238	.0049

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1425**	**.2700**	**.0274**	**.0100**	**.0659**	**.0052**	**-.0012**	**58.89**	**7.640**
Stddev	.0002	.0009	.0007	.0011	.0009	.0033	.0010	.00	.010
%RSD	.1331	.3253	2.706	10.88	1.390	63.67	82.05	.0037	.1282
#1	.1426	.2706	.0279	.0092	.0666	.0029	-.0019	58.89	7.633
#2	.1424	.2694	.0269	.0108	.0653	.0076	-.0005	58.88	7.647

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.49**	**15.92**	**8.439**	**.9150**	**.0323**	**-.0042**	**-.0037**	**1.611**	**.0122**
Stddev	.17	.04	.002	.0044	.0001	.0003	.0006	.000	.0001
%RSD	.1850	.2642	.0188	.4755	.3357	6.045	14.84	.0246	1.182
#1	90.37	15.89	8.438	.9181	.0323	-.0041	-.0041	1.611	.0123
#2	90.61	15.95	8.440	.9120	.0322	-.0044	-.0033	1.612	.0121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0488**	**2.000**	**-.0119**	**.0390**	**.2364**	**-.0104**	**.0630**
Stddev	.0001	.004	.0004	.0003	.0053	.0005	.0005
%RSD	.2279	.2138	3.347	.7630	2.248	4.402	.7498
#1	.0487	2.003	-.0116	.0392	.2402	-.0101	.0633
#2	.0489	1.997	-.0121	.0388	.2327	-.0107	.0627

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90327.**	**15330.**	**1899.3**	**5895.8**
Stddev	245.	17.	1.0	5.1
%RSD	.27119	.10819	.05443	.08624
#1	90154.	15341.	1898.6	5892.2
#2	90500.	15318.	1900.0	5899.4

Zoom In Zoom Out

Sample Name: jb68173-7 Acquired: 6/7/2014 11:02:28 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5222**	**.0056**	**.0039**	**.0625**	**.1624**	**.1265**	**2.355**	**.2447**	**.0070**
Stddev	.0000	.0001	.0002	.0001	.0005	.0005	.006	.0012	.0001
%RSD	.0015	1.688	4.966	.1903	.3204	.3867	.2747	.4963	1.265
#1	.5222	.0055	.0037	.0624	.1627	.1262	2.350	.2438	.0069
#2	.5222	.0057	.0040	.0625	.1620	.1269	2.360	.2455	.0070

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2154**	**.3387**	**.0248**	**.0137**	**.0776**	**.0050**	**.0000**	**74.08**	**23.42**
Stddev	.0004	.0019	.0005	.0009	.0023	.0013	.0006	.12	.05
%RSD	.1911	.5713	1.823	6.673	2.980	25.79	1547.	.1591	.2081
#1	.2151	.3373	.0251	.0144	.0759	.0041	-.0004	74.00	23.38
#2	.2157	.3401	.0245	.0131	.0792	.0059	.0005	74.16	23.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**131.9**	**39.00**	**18.49**	**1.769**	**.0630**	**-.0067**	**-.0057**	**2.223**	**.0124**
Stddev	.2	.13	.03	.007	.0006	.0002	.0006	.013	.0009
%RSD	.1841	.3319	.1770	.3803	.9790	2.284	9.689	.5724	7.179
#1	131.7	38.91	18.47	1.774	.0634	-.0066	-.0054	2.214	.0118
#2	132.0	39.09	18.52	1.764	.0625	-.0068	-.0061	2.232	.0130

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0950**	**4.098**	**-.0089**	**.0564**	**.2328**	**-.0096**	**.0968**
Stddev	.0003	.018	.0012	.0003	.0001	.0003	.0001
%RSD	.3291	.4330	12.95	.5473	.0633	3.306	.0875
#1	.0948	4.085	-.0097	.0562	.2327	-.0093	.0969
#2	.0953	4.111	-.0081	.0566	.2329	-.0098	.0967

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89043.**	**15342.**	**1888.7**	**5735.9**
Stddev	269.	61.	9.9	30.4
%RSD	.30225	.39724	.52263	.52934
#1	89233.	15385.	1895.7	5757.4
#2	88852.	15299.	1881.8	5714.5

Zoom In Zoom Out

Sample Name: jb68173-8 Acquired: 6/7/2014 11:08:37 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4886**	**.0042**	**.0030**	**.0624**	**.1772**	**.1160**	**1.186**	**.2804**	**.0061**
Stddev	.0002	.0000	.0001	.0002	.0002	.0001	.002	.0006	.0003
%RSD	.0416	.5885	3.445	.3306	.0865	.0728	.1638	.2233	5.460
#1	.4888	.0042	.0029	.0625	.1771	.1159	1.187	.2808	.0063
#2	.4885	.0042	.0031	.0622	.1773	.1160	1.185	.2799	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1940**	**.2791**	**.0208**	**.0086**	**.0622**	**.0065**	**-.0004**	**61.19**	**19.61**
Stddev	.0006	.0003	.0005	.0005	.0006	.0001	.0005	.06	.01
%RSD	.3259	.1253	2.636	6.165	.9472	2.046	133.0	.0936	.0729
#1	.1944	.2794	.0212	.0083	.0627	.0064	-.0007	61.23	19.62
#2	.1935	.2789	.0205	.0090	.0618	.0066	.0000	61.15	19.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**114.4**	**32.65**	**13.47**	**2.988**	**.0360**	**-.0060**	**-.0063**	**1.581**	**.0137**
Stddev	.2	.11	.02	.001	.0003	.0000	.0002	.009	.0001
%RSD	.1857	.3436	.1547	.0172	.8826	.7188	2.622	.5470	.9886
#1	114.5	32.73	13.48	2.988	.0357	-.0060	-.0064	1.587	.0138
#2	114.2	32.57	13.45	2.989	.0362	-.0061	-.0062	1.575	.0136

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0926**	**3.452**	**-.0136**	**.0487**	**.6988**	**-.0089**	**.0894**
Stddev	.0002	.001	.0009	.0001	.0044	.0005	.0003
%RSD	.2266	.0169	6.764	.3038	.6229	5.856	.3277
#1	.0928	3.453	-.0130	.0486	.7019	-.0085	.0892
#2	.0925	3.452	-.0143	.0488	.6958	-.0093	.0897

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88520.**	**15509.**	**1903.9**	**5782.7**
Stddev	67.	5.	5.5	18.0
%RSD	.07520	.03284	.28889	.31211
#1	88473.	15505.	1900.0	5770.0
#2	88567.	15512.	1907.8	5795.5

Zoom In Zoom Out

Sample Name: jb68173-9 Acquired: 6/7/2014 11:14:45 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5913**	**.0049**	**.0040**	**.0662**	**.2307**	**.1369**	**1.335**	**.2943**	**.0064**
Stddev	.0018	.0000	.0001	.0003	.0007	.0002	.008	.0000	.0003
%RSD	.3024	.1947	3.161	.4489	.3207	.1367	.6238	.0029	5.421
#1	.5925	.0049	.0039	.0664	.2312	.1368	1.341	.2943	.0061
#2	.5900	.0049	.0041	.0660	.2302	.1370	1.329	.2944	.0066

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2583**	**.3123**	**.0254**	**.0094**	**.0660**	**.0059**	**-.0010**	**72.70**	**28.28**
Stddev	.0012	.0009	.0000	.0024	.0001	.0008	.0004	.12	.05
%RSD	.4464	.2791	.0997	25.71	.1900	13.77	42.88	.1588	.1930
#1	.2591	.3116	.0255	.0077	.0660	.0053	-.0014	72.78	28.24
#2	.2575	.3129	.0254	.0111	.0659	.0064	-.0007	72.62	28.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.7**	**38.31**	**17.40**	**3.616**	**.0416**	**-.0069**	**-.0060**	**1.518**	**.0121**
Stddev	.1	.21	.04	.018	.0009	.0003	.0005	.002	.0001
%RSD	.0969	.5372	.2278	.4951	2.094	4.832	7.894	.1333	.7933
#1	127.6	38.16	17.43	3.629	.0410	-.0066	-.0057	1.519	.0122
#2	127.8	38.45	17.37	3.603	.0422	-.0071	-.0064	1.516	.0121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1186**	**4.609**	**-.0118**	**.0538**	**.4252**	**-.0150**	**.0952**
Stddev	.0004	.016	.0001	.0002	.0024	.0005	.0003
%RSD	.3217	.3400	1.131	.3282	.5730	2.998	.3307
#1	.1189	4.620	-.0117	.0540	.4269	-.0147	.0955
#2	.1184	4.598	-.0119	.0537	.4235	-.0153	.0950

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92034.**	**15662.**	**1921.0**	**5757.0**
Stddev	435.	88.	2.9	3.9
%RSD	.47268	.56338	.14960	.06748
#1	91726.	15724.	1918.9	5754.3
#2	92341.	15599.	1923.0	5759.8

Zoom In Zoom Out

Sample Name: jb68173-10 Acquired: 6/7/2014 11:20:55 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4539**	**.0039**	**.0031**	**.0506**	**.1877**	**.1051**	**1.056**	**.2732**	**.0054**
Stddev	.0005	.0000	.0001	.0006	.0006	.0000	.006	.0020	.0003
%RSD	.1152	.6709	3.894	1.246	.3270	.0469	.6082	.7209	4.988
#1	.4543	.0039	.0030	.0510	.1872	.1051	1.051	.2746	.0056
#2	.4535	.0039	.0032	.0501	.1881	.1051	1.060	.2718	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1949**	**.2391**	**.0197**	**.0091**	**.0523**	**.0072**	**.0001**	**57.56**	**22.42**
Stddev	.0008	.0005	.0013	.0018	.0003	.0017	.0006	.20	.04
%RSD	.3975	.1991	6.643	19.37	.6622	23.68	635.0	.3481	.1852
#1	.1943	.2394	.0187	.0103	.0526	.0060	.0006	57.70	22.45
#2	.1954	.2388	.0206	.0078	.0521	.0084	-.0004	57.42	22.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**103.6**	**34.74**	**14.23**	**3.000**	**.0384**	**-.0059**	**-.0057**	**1.657**	**.0121**
Stddev	.1	.07	.04	.002	.0000	.0003	.0006	.013	.0002
%RSD	.0494	.1950	.3035	.0797	.0894	5.493	11.30	.8028	1.635
#1	103.5	34.79	14.27	3.001	.0384	-.0057	-.0062	1.666	.0122
#2	103.6	34.69	14.20	2.998	.0384	-.0061	-.0053	1.648	.0119

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0973**	**3.783**	**-.0147**	**.0440**	**.3263**	**-.0115**	**.0730**
Stddev	.0000	.012	.0017	.0000	.0004	.0002	.0004
%RSD	.0009	.3031	11.48	.0215	.1154	1.873	.5981
#1	.0973	3.775	-.0159	.0440	.3261	-.0114	.0727
#2	.0973	3.791	-.0135	.0440	.3266	-.0117	.0733

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89747.**	**15237.**	**1880.3**	**5729.9**
Stddev	111.	16.	8.8	35.2
%RSD	.12373	.10757	.47013	.61346
#1	89825.	15226.	1874.0	5705.1
#2	89668.	15249.	1886.5	5754.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 11:27:06 Type: QC
Method: Accutest1(v125) 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	**1.974**	**1.965**	**1.915**	**1.881**	**1.962**	**1.851**	**1.862**	**1.925**	F **.2216**
Stddev	.001	.003	.006	.005	.004	.002	.005	.004	.0002
%RSD	.0235	.1321	.2929	.2587	.2239	.1189	.2662	.2295	.0853
#1	1.974	1.967	1.911	1.877	1.959	1.853	1.858	1.921	.2218
#2	1.973	1.964	1.919	1.884	1.965	1.850	1.865	1.928	.2215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.2500
Range									-10.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.904**	**1.979**	**1.885**	**1.980**	**1.943**	**1.927**	**1.934**	**41.22**	**40.98**
Stddev	.003	.000	.007	.004	.001	.000	.005	.03	.06
%RSD	.1290	.0162	.3600	.2036	.0590	.0086	.2679	.0703	.1431
#1	1.903	1.978	1.881	1.983	1.943	1.927	1.930	41.20	41.02
#2	1.906	1.979	1.890	1.977	1.944	1.927	1.937	41.24	40.94
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	**36.53**	F **35.76**	**39.22**	**40.39**	**1.936**	**1.953**	**1.803**	**4.883**	**1.952**
Stddev	.05	.04	.03	.01	.010	.003	.000	.012	.002
%RSD	.1426	.1243	.0787	.0128	.5076	.1602	.0235	.2500	.0959
#1	36.57	35.79	39.24	40.38	1.929	1.951	1.803	4.874	1.950
#2	36.50	35.73	39.20	40.39	1.943	1.955	1.803	4.891	1.953
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		40.00							
Range		-10.00%							

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 11:27:06 Type: QC
Method: Accutest1(v125) 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	**1.898**	**1.814**	F **1.758**	F **1.741**	**1.905**	**1.954**	**1.913**
Stddev	.003	.005	.020	.002	.002	.007	.000
%RSD	.1533	.2828	1.112	.1361	.1191	.3808	.0232
#1	1.900	1.810	1.744	1.739	1.904	1.949	1.913
#2	1.896	1.818	1.771	1.742	1.907	1.959	1.912
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			2.000	2.000			
Range			-10.00%	-10.00%			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90385.**	**14451.**	**1827.2**	**5704.1**
Stddev	205.	71.	5.5	13.7
%RSD	.22728	.49378	.29850	.24000
#1	90530.	14401.	1831.1	5713.7
#2	90239.	14502.	1823.3	5694.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 11:33:09 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0006**	**.0010**	**.0001**	**.0004**	**.0005**	**.0002**
Stddev	.0000	.0000	.0000	.0000	.0000	.0002	.0000	.0003	.0004
%RSD	4.631	5.784	3.654	5.251	1.100	304.2	.3343	61.20	228.5
#1	.0004	.0003	.0003	.0007	.0010	-.0001	.0004	.0003	-.0001
#2	.0004	.0003	.0003	.0006	.0010	.0002	.0004	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0007**	**.0012**	**.0014**	**.0006**	**.0002**	**-.0008**	**.0018**	**.0136**
Stddev	.0001	.0001	.0005	.0000	.0002	.0003	.0010	.0002	.0003
%RSD	37.13	7.420	45.32	2.219	27.53	214.7	118.1	12.53	2.031
#1	.0002	.0007	.0008	.0014	.0005	-.0001	-.0015	.0016	.0138
#2	.0004	.0006	.0015	.0014	.0007	.0004	-.0001	.0019	.0134
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 **.0112**	**-.0062**	**.0117**	**.0055**	**-.0003**	**.0009**	**.0010**	**.0018**	**.0013**
Stddev	.0017	.0109	.0190	.0007	.0001	.0003	.0005	.0005	.0004
%RSD	14.97	175.8	162.3	12.58	20.51	29.86	48.68	28.40	27.26
#1	.0124	-.0139	.0251	.0050	-.0003	.0011	.0013	.0015	.0011
#2	.0100	.0015	-.0017	.0060	-.0004	.0007	.0006	.0022	.0016
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: 6/7/2014 11:33:09 Type: QC
Method: Accutest1(v125) 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**	**-.0008**	**.0007**	**.0014**	**.0010**	**-.0008**
Stddev	.0000	.0002	.0011	.0000	.0016	.0001	.0004
%RSD	2.531	68.55	145.3	3.501	116.4	5.844	45.79
#1	.0003	.0002	.0000	.0007	.0026	.0010	-.0010
#2	.0003	.0005	-.0016	.0007	.0002	.0011	-.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	**91464.**	**14612.**	**1887.0**	**6274.7**
Stddev	42.	208.	1.9	4.1
%RSD	.04566	1.4205	.10141	.06483
#1	91435.	14465.	1885.7	6277.5
#2	91494.	14759.	1888.4	6271.8

Zoom In Zoom Out

Sample Name: jb68173-11 Acquired: 6/7/2014 11:39:29 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4822**	**.0043**	**.0030**	**.0550**	**.1734**	**.1121**	**1.110**	**.2231**	**.0054**
Stddev	.0001	.0000	.0000	.0001	.0004	.0009	.001	.0008	.0000
%RSD	.0161	.2526	1.645	.1995	.2395	.8023	.0844	.3593	.4373
#1	.4821	.0043	.0030	.0551	.1737	.1115	1.110	.2225	.0055
#2	.4823	.0043	.0031	.0549	.1731	.1128	1.109	.2237	.0054

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1884**	**.2488**	**.0215**	**.0080**	**.0572**	**.0045**	**-.0005**	**62.95**	**22.73**
Stddev	.0006	.0006	.0004	.0017	.0019	.0007	.0006	.01	.02
%RSD	.3145	.2571	1.752	21.36	3.243	15.76	125.6	.0112	.0852
#1	.1888	.2483	.0213	.0092	.0585	.0040	-.0009	62.96	22.75
#2	.1880	.2492	.0218	.0068	.0559	.0050	-.0001	62.95	22.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**106.8**	**31.59**	**16.11**	**2.927**	**.0471**	**-.0052**	**-.0057**	**1.867**	**.0130**
Stddev	.2	.03	.01	.012	.0005	.0001	.0003	.011	.0008
%RSD	.1710	.0831	.0460	.4067	.9706	1.930	5.398	.5948	6.026
#1	106.7	31.61	16.10	2.919	.0474	-.0052	-.0059	1.875	.0135
#2	106.9	31.57	16.11	2.936	.0467	-.0051	-.0055	1.860	.0124

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1032**	**4.080**	**-.0004**	**.0513**	**.3490**	**-.0130**	**.0772**
Stddev	.0001	.004	.0005	.0000	.0002	.0007	.0003
%RSD	.0733	.0990	134.6	.0040	.0513	5.495	.4047
#1	.1031	4.078	.0000	.0513	.3492	-.0135	.0775
#2	.1032	4.083	-.0008	.0513	.3489	-.0125	.0770

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89471.**	**15322.**	**1911.2**	**5756.3**
Stddev	3.	11.	2.7	3.2
%RSD	.00294	.07452	.14106	.05477
#1	89473.	15330.	1909.3	5754.1
#2	89469.	15314.	1913.1	5758.5

Zoom In Zoom Out

Sample Name: jb68173-12 Acquired: 6/7/2014 11:45:40 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7283**	**.0060**	**.0044**	**.0800**	**.2647**	**.1637**	**1.672**	**.3425**	**.0068**
Stddev	.0011	.0000	.0000	.0004	.0000	.0002	.001	.0000	.0000
%RSD	.1474	.2355	.7589	.4893	.0008	.0994	.0772	.0054	.0184
#1	.7275	.0060	.0044	.0803	.2647	.1639	1.673	.3425	.0068
#2	.7291	.0060	.0044	.0798	.2647	.1636	1.671	.3425	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2885**	**.3556**	**.0288**	**.0117**	**.0764**	**.0084**	**-.0008**	**87.22**	**31.64**
Stddev	.0006	.0002	.0007	.0020	.0025	.0014	.0000	.06	.05
%RSD	.2102	.0559	2.513	17.53	3.287	17.01	1.298	.0717	.1453
#1	.2890	.3558	.0283	.0131	.0782	.0074	-.0008	87.18	31.68
#2	.2881	.3555	.0293	.0102	.0747	.0094	-.0008	87.27	31.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**153.6**	**47.99**	**21.70**	**4.325**	**.0584**	**-.0075**	**-.0083**	**1.882**	**.0122**
Stddev	.3	.15	.02	.006	.0000	.0001	.0002	.000	.0005
%RSD	.1991	.3189	.1119	.1450	.0437	1.552	1.851	.0111	4.390
#1	153.8	48.10	21.68	4.321	.0584	-.0075	-.0082	1.882	.0126
#2	153.4	47.88	21.72	4.330	.0584	-.0074	-.0085	1.882	.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1420**	**6.044**	**-.0025**	**.0688**	**1.194**	**-.0164**	**.1138**
Stddev	.0002	.003	.0013	.0001	.004	.0011	.0002
%RSD	.1208	.0414	53.72	.1362	.3485	6.514	.1648
#1	.1421	6.046	-.0015	.0687	1.191	-.0157	.1137
#2	.1418	6.043	-.0034	.0688	1.197	-.0172	.1140

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88414.**	**15642.**	**1913.3**	**5635.2**
Stddev	6.	39.	.9	6.1
%RSD	.00622	.25189	.04655	.10794
#1	88410.	15614.	1913.9	5630.9
#2	88418.	15670.	1912.6	5639.5

Zoom In Zoom Out

Sample Name: jb68173-13 Acquired: 6/7/2014 11:51:47 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.388**	**.0026**	**.0127**	**.0289**	**.0990**	**.2973**	**1.740**	**.1284**	**.0056**
Stddev	.004	.0000	.0000	.0000	.0001	.0000	.002	.0003	.0002
%RSD	.1445	.7288	.1420	.0854	.1449	.0044	.1248	.2324	3.266
#1	2.391	.0026	.0127	.0289	.0989	.2973	1.741	.1282	.0054
#2	2.386	.0026	.0127	.0289	.0991	.2973	1.738	.1286	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1066**	**1.318**	**.0612**	**.0501**	**6.674**	**.0242**	**.0011**	**38.74**	**144.0**
Stddev	.0002	.002	.0011	.0000	.030	.0022	.0003	.03	.8
%RSD	.1819	.1306	1.725	.0670	.4468	9.273	27.74	.0867	.5622
#1	.1067	1.317	.0619	.0501	6.653	.0226	.0013	38.76	143.4
#2	.1065	1.320	.0604	.0501	6.695	.0258	.0009	38.72	144.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**84.25**	**8.899**	**6.704**	**3.740**	**.0626**	**.0237**	**-.0113**	**2.026**	**.0840**
Stddev	.46	.081	.016	.010	.0007	.0003	.0012	.007	.0004
%RSD	.5509	.9083	.2418	.2714	1.135	1.054	10.83	.3555	.5150
#1	83.92	8.842	6.693	3.748	.0621	.0235	-.0104	2.021	.0837
#2	84.58	8.956	6.716	3.733	.0631	.0239	-.0121	2.031	.0843

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6633**	**1.127**	**-.0130**	**.0293**	**42.37**	**-.0028**	**.0616**
Stddev	.0007	.001	.0011	.0005	.57	.0003	.0007
%RSD	.1046	.0552	8.838	1.553	1.356	10.69	1.209
#1	.6638	1.127	-.0122	.0296	41.96	-.0030	.0621
#2	.6629	1.126	-.0138	.0290	42.77	-.0025	.0611

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84051.**	**14732.**	**1793.7**	**5558.5**
Stddev	62.	115.	4.9	22.4
%RSD	.07379	.78124	.27135	.40228
#1	84007.	14813.	1797.1	5574.3
#2	84095.	14650.	1790.3	5542.7

Zoom In Zoom Out

Sample Name: jb68173-14 Acquired: 6/7/2014 11:57:55 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3908**	**.0095**	**.0039**	**.0584**	**.2639**	**.0986**	**1.769**	**.1981**	**.0094**
Stddev	.0058	.0001	.0003	.0001	.0008	.0001	.003	.0005	.0008
%RSD	1.478	1.297	8.115	.0981	.3187	.0537	.1460	.2382	7.986
#1	.3949	.0096	.0036	.0584	.2645	.0987	1.771	.1985	.0099
#2	.3867	.0094	.0041	.0584	.2633	.0986	1.767	.1978	.0089

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5550**	**.4163**	**.0520**	**.0086**	**.1110**	**.0169**	**.0029**	**164.1**	**33.27**
Stddev	.0002	.0013	.0014	.0016	.0002	.0035	.0010	2.3	.41
%RSD	.0437	.3027	2.619	18.27	.1585	20.83	35.77	1.383	1.242
#1	.5551	.4154	.0529	.0075	.1109	.0194	.0036	165.7	33.56
#2	.5548	.4172	.0510	.0097	.1111	.0144	.0021	162.5	32.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**199.7**	**56.46**	**37.48**	**23.15**	**.3911**	**.1112**	**-.0100**	**1.554**	**.0167**
Stddev	2.8	.75	.48	.34	.0002	.0005	.0003	.002	.0007
%RSD	1.388	1.322	1.286	1.458	.0500	.4533	2.801	.1267	4.354
#1	201.7	56.98	37.83	23.39	.3910	.1108	-.0102	1.556	.0172
#2	197.7	55.93	37.14	22.91	.3912	.1116	-.0098	1.553	.0162

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3661**	**2.902**	**-.0080**	**.1302**	**186.4**	**-.0073**	**.4565**
Stddev	.0053	.001	.0003	.0007	.8	.0006	.0075
%RSD	1.435	.0171	3.239	.5611	.4321	8.864	1.648
#1	.3698	2.903	-.0082	.1307	187.0	-.0068	.4619
#2	.3624	2.902	-.0078	.1297	185.8	-.0077	.4512

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84912.**	**15456.**	**1885.1**	**5448.5**
Stddev	60.	165.	.9	2.5
%RSD	.07060	1.0661	.04756	.04591
#1	84870.	15339.	1884.5	5450.2
#2	84954.	15572.	1885.8	5446.7

Zoom In Zoom Out

Sample Name: jb68264-5 Acquired: 6/7/2014 12:04:00 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6173**	**.0044**	**.0082**	**.0519**	**.1866**	**.6064**	**2.802**	**.1442**	**.0062**
Stddev	.0006	.0001	.0001	.0001	.0001	.0025	.007	.0001	.0000
%RSD	.0908	1.215	.9951	.2291	.0492	.4139	.2621	.0635	.4141
#1	.6169	.0044	.0083	.0520	.1867	.6082	2.807	.1441	.0062
#2	.6176	.0044	.0082	.0518	.1865	.6046	2.797	.1442	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2954**	**1.032**	**.0422**	**.0382**	**.9402**	**.0102**	**.0006**	**85.29**	**268.4**
Stddev	.0002	.000	.0012	.0001	.0009	.0015	.0007	.18	.3
%RSD	.0744	.0103	2.754	.1570	.0919	14.43	119.3	.2092	.1189
#1	.2956	1.032	.0414	.0383	.9408	.0092	.0001	85.16	268.1
#2	.2953	1.032	.0430	.0382	.9396	.0113	.0011	85.42	268.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**146.6**	**37.80**	**10.06**	**5.218**	**.0811**	**.0005**	**-.0189**	**2.570**	**.0326**
Stddev	.3	.05	.00	.008	.0014	.0001	.0003	.001	.0015
%RSD	.2043	.1418	.0355	.1542	1.697	19.65	1.781	.0531	4.491
#1	146.8	37.84	10.05	5.212	.0820	.0005	-.0187	2.569	.0316
#2	146.4	37.77	10.06	5.224	.0801	.0004	-.0191	2.571	.0337

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.026**	**5.020**	**-.0110**	**.0805**	**7.645**	**-.0037**	**.0967**
Stddev	.002	.012	.0007	.0003	.023	.0007	.0002
%RSD	.2308	.2298	6.728	.4120	.3048	17.43	.2395
#1	1.028	5.028	-.0105	.0807	7.629	-.0042	.0969
#2	1.025	5.011	-.0115	.0803	7.662	-.0033	.0966

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80260.**	**14846.**	**1781.0**	**5253.1**
Stddev	303.	17.	2.7	9.0
%RSD	.37768	.11383	.15135	.17139
#1	80045.	14834.	1779.1	5246.7
#2	80474.	14858.	1782.9	5259.5

Zoom In Zoom Out

Sample Name: jb68264-7 Acquired: 6/7/2014 12:10:13 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1766**	**.0019**	**.0017**	**.0227**	**.0414**	**.0354**	**2.523**	**.0396**	**.0024**
Stddev	.0026	.0000	.0001	.0001	.0006	.0002	.009	.0002	.0004
%RSD	1.451	1.057	7.357	.5860	1.329	.5735	.3707	.5141	14.91
#1	.1784	.0019	.0018	.0228	.0410	.0356	2.516	.0397	.0027
#2	.1748	.0019	.0016	.0226	.0418	.0353	2.530	.0394	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0787**	**.1158**	**.0102**	**.0028**	**.0246**	**.0041**	**-.0012**	**30.88**	**5.249**
Stddev	.0001	.0003	.0009	.0005	.0011	.0007	.0009	.41	.050
%RSD	.1179	.2724	8.860	18.98	4.544	18.06	74.01	1.340	.9472
#1	.0786	.1161	.0108	.0025	.0254	.0046	-.0006	31.17	5.284
#2	.0788	.1156	.0095	.0032	.0238	.0035	-.0019	30.59	5.214

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**57.08**	**9.105**	**4.238**	**.4718**	**.0217**	**-.0032**	**-.0021**	**1.443**	**.0107**
Stddev	.76	.038	.060	.0072	.0005	.0001	.0013	.000	.0004
%RSD	1.326	.4212	1.428	1.532	2.122	1.624	60.82	.0221	3.757
#1	57.61	9.133	4.280	.4769	.0220	-.0032	-.0012	1.443	.0110
#2	56.54	9.078	4.195	.4667	.0213	-.0031	-.0031	1.442	.0104

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0300**	**1.299**	**-.0160**	**.0217**	**.1586**	**-.0050**	**.0354**
Stddev	.0005	.001	.0000	.0001	.0036	.0010	.0011
%RSD	1.540	.1052	.1459	.4503	2.297	19.00	3.196
#1	.0303	1.298	-.0160	.0216	.1612	-.0057	.0362
#2	.0296	1.300	-.0160	.0217	.1560	-.0043	.0346

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90788.**	**15561.**	**1907.0**	**5944.6**
Stddev	126.	104.	4.2	21.0
%RSD	.13926	.66731	.22075	.35403
#1	90877.	15487.	1904.0	5929.8
#2	90699.	15634.	1910.0	5959.5

Zoom In Zoom Out

Sample Name: jb68264-8 Acquired: 6/7/2014 12:16:23 Type: Unk
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 13th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3546**	**.0030**	**.0019**	**.0294**	**.0565**	**.0524**	**2.278**	**.0529**	**.0039**
Stddev	.0006	.0001	.0001	.0001	.0004	.0006	.000	.0004	.0001
%RSD	.1741	2.745	4.794	.4120	.7513	1.057	.0006	.7813	1.744
#1	.3542	.0029	.0020	.0294	.0562	.0528	2.278	.0526	.0039
#2	.3551	.0030	.0019	.0295	.0568	.0520	2.278	.0531	.0038

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1291**	**.1278**	**.0166**	**.0029**	**.0385**	**.0058**	**-.0008**	**48.35**	**10.77**
Stddev	.0002	.0003	.0003	.0011	.0022	.0012	.0004	.09	.06
%RSD	.1934	.2104	1.676	37.89	5.837	20.86	47.91	.1912	.5425
#1	.1293	.1280	.0164	.0022	.0400	.0049	-.0010	48.41	10.81
#2	.1290	.1276	.0168	.0037	.0369	.0066	-.0005	48.28	10.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**85.96**	**10.59**	**6.552**	**2.276**	**.0378**	**-.0041**	**-.0046**	**1.792**	**.0109**
Stddev	.28	.01	.041	.006	.0003	.0002	.0010	.012	.0013
%RSD	.3301	.0574	.6264	.2746	.8681	5.543	20.69	.6597	11.66
#1	86.16	10.58	6.581	2.281	.0375	-.0042	-.0040	1.784	.0100
#2	85.76	10.59	6.523	2.272	.0380	-.0039	-.0053	1.800	.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0576**	**2.146**	**-.0158**	**.0470**	**.4237**	**-.0098**	**.0387**
Stddev	.0002	.001	.0013	.0003	.0003	.0002	.0001
%RSD	.2960	.0380	8.456	.6158	.0670	2.028	.3678
#1	.0574	2.145	-.0149	.0468	.4239	-.0099	.0386
#2	.0577	2.147	-.0167	.0472	.4235	-.0096	.0388

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88520.**	**15327.**	**1894.0**	**5803.1**
Stddev	112.	99.	5.5	6.4
%RSD	.12605	.64912	.28908	.11043
#1	88442.	15257.	1897.9	5807.7
#2	88599.	15398.	1890.1	5798.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 12:22:34 Type: QC
Method: Accutest1(v125) 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	**1.981**	**1.954**	**1.958**	**1.951**	**1.953**	**1.936**	**2.010**	**1.994**	**.2443**
Stddev	.004	.004	.003	.003	.001	.008	.002	.003	.0012
%RSD	.1975	.2061	.1396	.1337	.0713	.4253	.0747	.1435	.4876
#1	1.979	1.951	1.956	1.949	1.954	1.942	2.011	1.992	.2451
#2	1.984	1.957	1.959	1.953	1.952	1.930	2.009	1.996	.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	**1.956**	**1.991**	**1.954**	**2.068**	**1.984**	**1.982**	**1.956**	**38.81**	**38.14**
Stddev	.002	.004	.005	.004	.001	.003	.008	.06	.13
%RSD	.0961	.1826	.2737	.2051	.0658	.1497	.4142	.1467	.3287
#1	1.957	1.989	1.950	2.071	1.985	1.980	1.951	38.85	38.22
#2	1.955	1.994	1.958	2.065	1.983	1.984	1.962	38.77	38.05
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	**38.27**	**37.73**	**38.63**	**38.70**	**1.992**	**1.969**	**1.960**	**4.939**	**2.021**
Stddev	.09	.02	.01	.02	.008	.005	.014	.017	.004
%RSD	.2291	.0646	.0169	.0557	.3803	.2769	.7292	.3417	.2239
#1	38.20	37.75	38.63	38.69	1.987	1.966	1.970	4.927	2.018
#2	38.33	37.71	38.64	38.72	1.998	1.973	1.950	4.951	2.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 12:22:34 Type: QC
Method: Accutest1(v125) 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**	**1.985**	F **1.788**	**1.973**	**1.951**	**1.977**	**1.957**
Stddev	.004	.001	.018	.003	.004	.006	.000
%RSD	.1738	.0559	1.021	.1571	.2033	.2833	.0206
#1	2.022	1.986	1.775	1.975	1.954	1.973	1.957
#2	2.027	1.984	1.801	1.971	1.948	1.981	1.957
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	**83583.**	**14549.**	**1793.2**	**5536.5**
Stddev	9.	30.	5.3	12.2
%RSD	.01045	.20631	.29484	.22114
#1	83577.	14528.	1797.0	5545.2
#2	83589.	14570.	1789.5	5527.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 12:28:37 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0007**	F **.0010**	**.0010**	F **.0014**	**.0015**	**.0010**	**.0009**	**.0003**
Stddev	.0001	.0001	.0002	.0001	.0001	.0001	.0000	.0004	.0002
%RSD	15.25	8.285	17.67	5.705	8.253	6.050	3.079	46.99	81.28
#1	.0007	.0007	.0008	.0010	.0015	.0014	.0010	.0012	.0001
#2	.0008	.0008	.0011	.0010	.0013	.0015	.0010	.0006	.0004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0006		.0012				
Low Limit			-.0006		-.0012				

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0012**	**.0016**	**.0008**	**.0018**	**.0024**	**.0003**	**.0111**	**.0148**
Stddev	.0000	.0000	.0009	.0013	.0002	.0002	.0000	.0039	.0007
%RSD	1.111	3.895	55.30	155.2	12.56	9.349	15.03	35.04	4.711
#1	.0008	.0012	.0023	.0017	.0017	.0022	.0003	.0084	.0153
#2	.0007	.0012	.0010	-.0001	.0020	.0025	.0002	.0139	.0143
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 **.0211**	**.0007**	**.0204**	**.0213**	**.0005**	**.0016**	**.0009**	**.0043**	**.0009**
Stddev	.0011	.0101	.0051	.0016	.0005	.0001	.0003	.0009	.0003
%RSD	5.308	1379.	25.16	7.566	104.2	8.062	32.02	21.18	29.33
#1	.0203	.0079	.0240	.0224	.0008	.0017	.0011	.0036	.0011
#2	.0219	-.0064	.0168	.0201	.0001	.0015	.0007	.0049	.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: 6/7/2014 12:28:37 Type: QC
Method: Accutest1(v125) 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**	F **.0011**	**.0030**	F **.0014**	**.0048**	**.0016**	**.0004**
Stddev	.0001	.0000	.0008	.0000	.0011	.0002	.0004
%RSD	11.90	3.205	26.25	1.554	22.73	11.29	109.1
#1	.0006	.0011	.0036	.0014	.0056	.0015	.0007
#2	.0007	.0011	.0025	.0014	.0040	.0017	.0001
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010		.0010			
Low Limit		-.0010		-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87115.**	**14602.**	**1861.8**	**6157.2**
Stddev	127.	58.	18.7	71.1
%RSD	.14536	.39620	1.0028	1.1552
#1	87204.	14561.	1875.0	6207.5
#2	87025.	14643.	1848.6	6106.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/7/2014 12:34:57 Type: QC
Method: Accutest1(v125) Mode: 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	**.2007**	**.0022**	**.0038**	**.0491**	**.0106**	**.0102**	**.0161**	**.0103**	**.0051**
Stddev	.0000	.0000	.0000	.0001	.0003	.0000	.0001	.0004	.0003
%RSD	.0232	.1064	.5701	.1895	2.764	.1074	.5301	3.452	5.635
#1	.2008	.0022	.0038	.0490	.0108	.0102	.0160	.0106	.0053
#2	.2007	.0022	.0038	.0492	.0104	.0101	.0161	.0101	.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	**.0502**	**.0224**	**.0088**	**.0094**	**.0037**	**.0086**	**.0055**	**.1905**	**4.766**
Stddev	.0000	.0000	.0002	.0000	.0001	.0005	.0006	.0021	.008
%RSD	.0171	.1033	2.744	.1102	2.287	5.911	10.32	1.101	.1771
#1	.0502	.0223	.0087	.0094	.0036	.0082	.0051	.1920	4.760
#2	.0503	.0224	.0090	.0094	.0038	.0089	.0059	.1890	4.772
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	**.1076**	**4.856**	**4.994**	**4.798**	**.1015**	**.0202**	**.0543**	**.2093**	**.0108**
Stddev	.0005	.028	.003	.001	.0008	.0001	.0002	.0002	.0001
%RSD	.5000	.5743	.0590	.0290	.7602	.4393	.3181	.0794	.6656
#1	.1080	4.836	4.992	4.797	.1010	.0202	.0544	.2092	.0107
#2	.1072	4.875	4.996	4.799	.1021	.0201	.0542	.2094	.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: 6/7/2014 12:34:57 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0109**	**.0397**	**.0119**	**.0457**	**.0212**	**.0201**
Stddev	.0000	.0003	.0008	.0002	.0013	.0005	.0008
%RSD	.1460	2.836	2.077	1.691	2.911	2.522	4.120
#1	.0105	.0107	.0403	.0120	.0467	.0208	.0195
#2	.0105	.0111	.0391	.0118	.0448	.0216	.0207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86922.**	**14589.**	**1853.4**	**6062.7**
Stddev	16.	60.	1.4	3.6
%RSD	.01816	.41360	.07301	.05954
#1	86911.	14632.	1852.4	6060.2
#2	86934.	14546.	1854.3	6065.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 12:41:11 Type: QC
Method: Accutest1(v125) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0010**	**.0011**	**.0033**	**.0022**	F **.0030**	**.0033**	**.0043**	F **.0013**
Stddev	.0001	.0001	.0000	.0000	.0003	.0002	.0001	.0003	.0001
%RSD	1.913	5.368	4.236	.8901	12.06	5.094	1.888	7.095	5.618
#1	.0039	.0011	.0011	.0033	.0020	.0031	.0033	.0040	.0013
#2	.0040	.0010	.0011	.0033	.0024	.0029	.0034	.0045	.0014
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**	F **.0132**	**.0033**	F **.0032**	F **.0038**	F **.0072**	F **.0014**	**.0946**	**.9758**
Stddev	.0001	.0003	.0012	.0001	.0005	.0017	.0002	.0004	.0023
%RSD	5.000	2.412	38.45	4.366	11.90	23.75	11.78	.4277	.2360
#1	.0021	.0130	.0024	.0033	.0041	.0060	.0016	.0949	.9741
#2	.0023	.0134	.0041	.0031	.0035	.0084	.0013	.0943	.9774
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value		.0100		.0020	.0025	.0050	.0030		
Range		30.00%		30.00%	30.00%	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	**.0050**	**.1071**	**2.010**	**.9928**	**.0086**	**-.0006**	**.0008**	**-.0001**	**.0005**
Stddev	.0014	.0070	.003	.0002	.0005	.0001	.0003	.0003	.0005
%RSD	27.61	6.559	.1377	.0216	6.241	19.07	33.11	314.6	100.4
#1	.0060	.1021	2.008	.9929	.0082	-.0007	.0006	-.0003	.0009
#2	.0040	.1120	2.012	.9926	.0090	-.0006	.0010	.0001	.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/7/2014 12:41:11 Type: QC
Method: Accutest1(v125) 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**	**-.0145**	**-.0004**	**-.0007**	**.0017**	**.0000**
Stddev	.0000	.0001	.0011	.0001	.0005	.0000	.0002
%RSD	4.630	21.82	7.297	23.31	74.92	1.443	783.1
#1	-.0001	-.0003	-.0137	-.0004	-.0010	.0017	.0002
#2	-.0001	-.0004	-.0152	-.0005	-.0003	.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	**85374.**	**14742.**	**1860.6**	**6138.6**
Stddev	651.	107.	15.8	52.9
%RSD	.76310	.72240	.84802	.86155
#1	85835.	14817.	1871.8	6176.0
#2	84913.	14667.	1849.5	6101.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/7/2014 12:47:31 Type: QC
Method: Accutest1(v125) Mode: 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**	**-.0001**	**.0001**	**.0002**	**.0001**	**-.0005**	**.0000**	**.0003**	**.0004**
Stddev	.0001	.0000	.0000	.0004	.0000	.0001	.000	.0001	.0000
%RSD	961.1	10.48	20.41	184.5	39.68	12.18	155.3	48.45	5.982
#1	.0001	-.0001	.0001	-.0001	.0001	-.0005	.0000	.0002	.0004
#2	-.0001	.0000	.0001	.0005	.0001	-.0006	.0000	.0004	.0004
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**	**.0013**	**.0187**	**.0005**	**.0213**	**.0223**	**.0184**	**.4913**	**.0091**
Stddev	.0000	.0000	.0004	.0014	.0000	.0002	.0002	.0080	.0006
%RSD	48.66	1.132	2.182	299.3	.1702	.7144	.9015	1.632	6.886
#1	-.0001	.0013	.0190	-.0005	.0213	.0224	.0186	.4970	.0087
#2	-.0001	.0014	.0184	.0015	.0213	.0222	.0183	.4856	.0095
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	**.4963**	**-.0063**	**.0071**	**.0043**	**-.0016**	**-.0009**	**.0003**	**.0017**	**.0002**
Stddev	.0022	.0099	.0085	.0057	.0008	.0001	.0001	.0005	.0000
%RSD	.4461	157.6	119.9	132.8	46.71	8.301	24.08	32.56	21.88
#1	.4947	-.0133	.0011	.0083	-.0011	-.0009	.0003	.0021	.0003
#2	.4979	.0007	.0131	.0003	-.0021	-.0008	.0004	.0013	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/7/2014 12:47:31 Type: QC
Method: Accutest1(v125) 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**	**-.0161**	**-.0005**	**-.0010**	**-.0008**	**-.0005**
Stddev	.0000	.0002	.0000	.0000	.0008	.0001	.0002
%RSD	31.35	58.57	.0227	.5615	74.07	15.23	50.38
#1	-.0002	-.0004	-.0161	-.0005	-.0005	-.0007	-.0006
#2	-.0001	-.0002	-.0161	-.0005	-.0016	-.0008	-.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	**90785.**	**14638.**	**1871.0**	**6219.8**
Stddev	121.	63.	3.4	6.4
%RSD	.13276	.43103	.18390	.10298
#1	90700.	14594.	1873.4	6224.3
#2	90870.	14683.	1868.6	6215.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/7/2014 12:53:51 Type: QC
Method: Accutest1(v125) 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	**1.979**	**1.950**	**1.935**	**1.927**	**1.937**	**1.913**	**1.986**	**1.975**	**.2421**
Stddev	.001	.004	.000	.004	.005	.006	.005	.005	.0003
%RSD	.0610	.2051	.0108	.1862	.2421	.3068	.2555	.2396	.1397
#1	1.979	1.953	1.935	1.924	1.933	1.917	1.983	1.972	.2419
#2	1.978	1.947	1.935	1.929	1.940	1.909	1.990	1.978	.2423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.934**	**1.970**	**1.940**	**2.053**	**1.958**	**1.969**	**1.943**	**38.82**	**38.13**
Stddev	.001	.000	.004	.003	.004	.007	.006	.16	.09
%RSD	.0693	.0094	.2108	.1636	.1808	.3549	.2932	.3999	.2331
#1	1.935	1.970	1.943	2.051	1.956	1.974	1.947	38.93	38.19
#2	1.933	1.970	1.937	2.055	1.961	1.964	1.939	38.71	38.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.13**	**37.40**	**38.65**	**38.74**	**1.978**	**1.952**	**1.940**	**4.899**	**2.008**
Stddev	.08	.07	.08	.08	.001	.003	.002	.009	.004
%RSD	.2023	.1962	.2150	.2067	.0377	.1444	.1189	.1942	.2133
#1	38.08	37.35	38.70	38.80	1.978	1.954	1.941	4.905	2.005
#2	38.19	37.45	38.59	38.69	1.977	1.950	1.938	4.892	2.011
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: 6/7/2014 12:53:51 Type: QC
Method: Accutest1(v125) 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	**2.007**	**1.965**	F **1.780**	**1.950**	**1.930**	**1.963**	**1.945**
Stddev	.001	.003	.011	.001	.007	.004	.002
%RSD	.0496	.1345	.6063	.0675	.3809	.1829	.0930
#1	2.006	1.963	1.772	1.951	1.936	1.966	1.943
#2	2.008	1.967	1.788	1.949	1.925	1.960	1.946
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	**84472.**	**14574.**	**1801.1**	**5570.9**
Stddev	10.	52.	1.0	10.3
%RSD	.01225	.35951	.05608	.18534
#1	84465.	14611.	1800.3	5578.2
#2	84479.	14537.	1801.8	5563.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/7/2014 12:59:56 Type: QC
Method: Accutest1(v125) Mode: 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**	**.0008**	F **.0009**	**.0009**	**.0011**	**.0013**	**.0010**	F **.0010**	**.0002**
Stddev	.0001	.0000	.0002	.0002	.0000	.0003	.0000	.0000	.0002
%RSD	16.84	3.690	20.75	20.66	.9427	19.46	.4862	2.801	110.8
#1	.0006	.0008	.0011	.0010	.0011	.0011	.0010	.0010	.0004
#2	.0007	.0008	.0008	.0008	.0011	.0015	.0010	.0010	.0000
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**	**.0010**	**.0014**	**.0012**	**.0014**	**-.0006**	**.0000**	**.0154**	**.0181**
Stddev	.0004	.0000	.0005	.0003	.0002	.0008	.0011	.0017	.0011
%RSD	30.77	4.394	34.80	22.57	15.81	132.6	7994.	10.75	6.279
#1	.0009	.0010	.0018	.0010	.0015	-.0011	.0008	.0143	.0173
#2	.0014	.0010	.0011	.0014	.0012	.0000	-.0007	.0166	.0189
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 **.0224**	**.0029**	**.0140**	**.0211**	**.0005**	**.0015**	**.0016**	**.0032**	**.0013**
Stddev	.0012	.0049	.0028	.0049	.0003	.0006	.0003	.0000	.0005
%RSD	5.381	168.5	20.37	23.23	60.45	35.89	21.41	.8540	37.84
#1	.0216	.0064	.0119	.0246	.0007	.0019	.0018	.0033	.0016
#2	.0233	-.0006	.0160	.0177	.0003	.0012	.0013	.0032	.0009
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: 6/7/2014 12:59:56 Type: QC
Method: Accutest1(v125) 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**	F **.0011**	**.0083**	F **.0014**	**.0018**	**.0009**	**.0007**
Stddev	.0000	.0000	.0014	.0001	.0001	.0003	.0003
%RSD	3.687	.0075	17.42	7.569	7.928	30.72	41.24
#1	.0007	.0011	.0093	.0013	.0017	.0011	.0009
#2	.0007	.0011	.0072	.0015	.0019	.0007	.0005
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010		.0010			
Low Limit		-.0010		-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88616.**	**14734.**	**1877.3**	**6217.7**
Stddev	183.	60.	3.1	4.3
%RSD	.20693	.40432	.16497	.06878
#1	88486.	14776.	1879.5	6220.7
#2	88745.	14692.	1875.2	6214.6

	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	0.017500	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	-0.002900	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	-0.002900	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	-0.002100	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	-0.000119	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	0.007600	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000004	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000291	0.000000	No
			Al	-0.000002	0.000000	No
			Zn	0.000000	0.000000	No
			Ba	0.000090	0.000000	No
			Ni	-0.000021	0.000000	No
			Cr	0.000005	0.000000	No
			As	-0.000089	0.000000	No
			B	0.000001	0.000000	No
			W	0.005000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000007	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.011350	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.003171	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	0.001510	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	-0.003700	0.000000	No
			Al	-0.000012	0.000000	No
			V	-0.007000	0.000000	No
			Mn	0.000900	0.000000	No
			Si	0.000100	0.000000	No
			Ca	0.000010	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	-0.039000	0.000000	No
			Pb	-0.000090	0.000000	No
			Mg	-0.000005	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	-0.000113	0.000000	No
			Li	0.000009	0.000000	No
			S	0.000025	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	-0.000086	0.000000	No
			Ca	0.000000	0.000000	No
			Mn	-0.000060	0.000000	No
			Zn	-0.000173	0.000000	No
			Mo	-0.002450	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	0.020000	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	-0.000008	0.000000	No
			Ca	-0.000011	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	-0.000001	0.000000	No
				Ti	0.000100	0.000000	No
				Sb	-0.000010	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	-0.000651	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	0.099000	0.000000	No
				Zr	-0.000833	0.000000	No
	Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
				Al	0.000021	0.000000	No
				Ca	-0.000003	0.000000	No
				Ni	-0.000078	0.000000	No
				Cr	0.009440	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	0.003000	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	0.000000	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}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.002834	3.302747	0.000000	1.000000
Be 313.042 {108}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000047	2.910259	0.000000	1.000000
Cd 228.802 {448}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000877	1.215590	0.000000	1.000000
Co 228.616 {448}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000331	0.384183	0.000000	1.000000
Cr 267.716 {126}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000008	0.085504	0.000000	1.000000
Cu 324.754 {104}2	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.004193	0.326177	0.000000	1.000000
Mn 257.610 {131}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000049	0.235156	0.000000	1.000000
Ni 231.604 {446}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.001001	0.306780	0.000000	1.000000
Ag 328.068 {103}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000042	0.159513	0.000000	1.000000
V 292.402 {115}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000123	0.164409	0.000000	1.000000
Zn 206.200 {464}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000465	0.959929	0.000000	1.000000
As 189.042 {478}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000298	0.214179	0.000000	1.000000
Tl 190.856 {477}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000273	0.045856	0.000000	1.000000
Pb 220.353 {453}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000314	0.137984	0.000000	1.000000
Se 196.090 {472}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000823	0.117975	0.000000	1.000000
Sb 206.833 {463}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.001353	0.293141	0.000000	1.000000
Al 396.152 { 85}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000863	0.050287	0.000000	1.000000
Ca 317.933 {106}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.007795	0.063711	0.000000	1.000000
Fe 259.940 {130}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000044	0.040608	0.000000	1.000000
Mg 279.079 {121}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000054	0.005403	0.000000	1.000000
K 766.490 { 44}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.001634	0.031266	0.000000	1.000000
Na 589.592 { 57}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.002780	0.108431	0.000000	1.000000
B 208.959 {462}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.001431	0.290803	0.000000	1.000000
Mo 202.030 {467}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.002085	1.151478	0.000000	1.000000
Pd 340.458 { 99}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000048	0.079606	0.000000	1.000000
Si 212.412 {459}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.006805	0.326143	0.000000	1.000000
Sn 189.989 {478}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000402	0.184710	0.000000	1.000000
Sr 407.771 { 83}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000497	4.548652	0.000000	1.000000
Ti 334.904 {101}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.000118	0.184995	0.000000	1.000000
Y 360.073 { 94}*	6/9/2014 9:11:35	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/9/2014 9:11:35	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/9/2014 9:11:35	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/9/2014 9:11:35	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.016600	0.499605	0.000000	1.000000
Zr 339.198 { 99}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000224	0.448779	0.000000	1.000000
S 182.034 {485}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000616	0.092181	0.000000	1.000000
Bi 223.061 {451}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	-0.001536	0.414748	0.000000	1.000000
Li 670.784 { 50}	6/9/2014 9:11:35	6/6/2014 18:25:09	Linear	1/Conc	0.000120	0.868266	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	0.000154	0.000513	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000061	0.000203	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000185	0.000617	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000278	0.000925	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000420	0.001400	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000285	0.000952	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000056	0.000188	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000321	0.001071	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000376	0.001253	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000309	0.001030	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000204	0.000678	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000858	0.002861	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001604	0.005347	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001056	0.003519	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001887	0.006291	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.000950	0.003166	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007333	0.024442	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003102	0.010341	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002379	0.007929	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.022423	0.074743	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.024645	0.082150	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.006545	0.021817	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000612	0.002041	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000208	0.000694	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001181	0.003935	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000814	0.002712	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000821	0.002735	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000069	0.000229	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000387	0.001289	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	0.001000	0.003332	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000159	0.000530	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002023	0.006743	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000917	0.003058	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000853	0.002844	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/10/2014 16:01:11 Type: Cal
Method: Accutest 2(v79) 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	**.0067**	**.0001**	**-.0004**	**.0000**	**.0000**	**.0050**	**-.0000**	**.0002**	**-.0003**
Stddev	.0001	.0001	.0000	.0000	.0000	.0000	.0000	.0001	.0000
%RSD	2.097	151.4	3.010	133.9	247.2	.1212	117.4	39.17	8.218
#1	.0068	.0002	-.0004	.0000	.0001	.0050	-.0000	.0003	-.0003
#2	.0066	-.0000	-.0004	.0000	-.0000	.0050	-.0000	.0002	-.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**	**.0015**	**.0002**	**.0000**	**.0000**	**.0003**	**-.0000**	**.0001**	**.0067**
Stddev	.0000	.0001	.0000	.0001	.0002	.0001	.0001	.0002	.0000
%RSD	229.4	4.941	15.00	566.7	1328.	35.30	593.4	238.4	.1656
#1	-.0000	.0014	.0002	.0001	.0001	.0004	-.0001	-.0001	.0067
#2	.0000	.0015	.0001	-.0000	-.0001	.0002	.0001	.0002	.0067

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0002**	**-.0033**	**.0063**	**-.0001**	**.0002**	**.0006**	**.0025**	**-.0000**
Stddev	.0000	.0000	.0004	.0004	.0002	.0001	.0000	.0003	.0002
%RSD	788.2	22.12	11.30	5.623	390.9	52.60	2.556	13.51	777.9
#1	.0000	.0002	-.0030	.0060	-.0002	.0002	.0006	.0023	-.0002
#2	-.0000	.0001	-.0036	.0065	.0001	.0001	.0006	.0028	.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	**.0002**	**-.0002**	**.0011**	**-.0002**	**.0004**	**-.0009**	**.0032**
Stddev	.0003	.0000	.0002	.0000	.0002	.0001	.0003
%RSD	210.3	15.16	15.49	3.278	39.74	12.23	8.658
#1	-.0001	-.0003	.0010	-.0002	.0003	-.0008	.0030
#2	.0004	-.0002	.0012	-.0002	.0005	-.0009	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86702.**	**18111.**	**2208.6**	**4779.2**
Stddev	18.	517.	46.8	91.7
%RSD	.02111	2.8554	2.1175	1.9177
#1	86689.	17746.	2175.5	4714.4
#2	86714.	18477.	2241.7	4844.0

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/10/2014 16:04:26 Type: Cal
Method: Accutest 2(v79) 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	**6.224**	**5.650**	**3.143**	**1.859**	**.3437**	**.7209**	**2.010**	**1.345**	**.0507**
Stddev	.117	.112	.024	.012	.0011	.0032	.012	.009	.0004
%RSD	1.879	1.986	.7513	.6204	.3172	.4464	.6061	.6793	.7384
#1	6.307	5.729	3.159	1.868	.3429	.7186	2.001	1.351	.0505
#2	6.141	5.571	3.126	1.851	.3444	.7231	2.018	1.338	.0510

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	**.5132**	**4.139**	**.3830**	**.1975**	**.6051**	**.2810**	**.5832**	**2.675**	**3.855**
Stddev	.0019	.033	.0025	.0009	.0050	.0013	.0039	.044	.075
%RSD	.3691	.7979	.6513	.4736	.8312	.4525	.6659	1.639	1.953
#1	.5118	4.163	.3848	.1981	.6087	.2819	.5859	2.706	3.908
#2	.5145	4.116	.3812	.1968	.6015	.2801	.5804	2.644	3.802

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.215**	**.1957**	**1.947**	**6.970**	**.8395**	**3.107**	**.1667**	**2.187**	**.6895**
Stddev	.042	.0040	.033	.125	.0041	.025	.0003	.011	.0050
%RSD	1.889	2.038	1.715	1.792	.4846	.7928	.1760	.5065	.7308
#1	2.244	.1985	1.971	7.059	.8424	3.125	.1664	2.194	.6930
#2	2.185	.1929	1.924	6.882	.8366	3.090	.1669	2.179	.6859

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	**10.82**	**.4863**	**1.354**	**1.252**	**.2167**	**.7431**	**2.258**
Stddev	.55	.0031	.018	.006	.0007	.0044	.037
%RSD	5.042	.6398	1.297	.5100	.3126	.5877	1.628
#1	11.21	.4841	1.367	1.247	.2172	.7462	2.284
#2	10.43	.4885	1.342	1.256	.2162	.7400	2.232

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**78894.**	**17831.**	**2040.7**	**4045.9**
Stddev	244.	297.	8.6	14.8
%RSD	.30904	1.6666	.42128	.36488
#1	79067.	17621.	2034.6	4035.4
#2	78722.	18042.	2046.7	4056.3

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/10/2014 16:07:36 Type: QC
Method: Accutest 2(v79) Mode: 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	**2.015**	**2.040**	**2.000**	**1.998**	**2.007**	**1.946**	**2.013**	**2.025**	**.2418**
Stddev	.073	.072	.015	.016	.014	.018	.018	.016	.0011
%RSD	3.642	3.517	.7400	.7942	.7141	.9346	.8690	.8042	.4437
#1	2.067	2.091	2.010	2.009	1.996	1.933	2.001	2.037	.2410
#2	1.963	1.989	1.989	1.987	2.017	1.959	2.025	2.014	.2426
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**	**2.037**	**1.997**	**2.070**	**2.034**	**2.000**	**2.007**	**39.68**	**40.28**
Stddev	.014	.021	.018	.017	.018	.018	.015	1.37	1.34
%RSD	.7296	1.019	.9203	.8075	.8652	.8972	.7305	3.457	3.322
#1	1.970	2.051	2.010	2.082	2.046	2.012	2.017	40.65	41.22
#2	1.990	2.022	1.984	2.058	2.021	1.987	1.997	38.71	39.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.31**	**39.99**	**39.59**	**39.87**	**2.033**	**2.025**	**1.969**	**4.967**	**2.049**
Stddev	1.39	1.48	1.34	1.39	.017	.017	.016	.031	.021
%RSD	3.454	3.703	3.395	3.482	.8109	.8536	.8301	.6190	1.030
#1	41.29	41.04	40.54	40.85	2.045	2.037	1.958	4.989	2.064
#2	39.32	38.94	38.64	38.89	2.022	2.012	1.981	4.945	2.034
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: 6/10/2014 16:07:36 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**1.980**	**2.077**	**2.012**	**1.970**	**2.018**	**1.980**
Stddev	.073	.016	.021	.015	.017	.016	.072
%RSD	3.557	.8303	.9868	.7672	.8831	.8023	3.646
#1	2.113	1.968	2.092	2.001	1.982	2.030	2.031
#2	2.009	1.992	2.063	2.022	1.958	2.007	1.929
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	**82344.**	**17850.**	**2103.3**	**4222.8**
Stddev	689.	289.	11.0	16.6
%RSD	.83643	1.6190	.52371	.39346
#1	82831.	17646.	2095.5	4211.0
#2	81857.	18055.	2111.1	4234.5

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/10/2014 16:10:31 Type: QC
Method: Accutest 2(v79) 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**	**-.0000**	**.0002**	**-.0000**	**.0003**	**-.0002**	**.0000**	**.0000**
Stddev	.0001	.0000	.0001	.0002	.0001	.0007	.0000	.0002
%RSD	63.36	104.6	65.00	499.3	40.49	472.3	86.87	557.0
#1	-.0001	-.0001	.0001	-.0002	.0002	-.0007	.0000	.0002
#2	-.0003	-.0000	.0003	.0001	.0004	.0004	.0000	-.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	**-.0006**	**.0004**	**.0002**	**.0026**	**-.0000**	**.0007**	F **-.0066**	**-.0014**
Stddev	.0002	.0003	.0000	.0007	.0007	.0004	.0011	.0004
%RSD	28.96	80.77	15.74	29.31	1531.	55.37	16.59	27.99
#1	-.0008	.0002	.0002	.0031	.0005	.0009	-.0074	-.0016
#2	-.0005	.0006	.0001	.0020	-.0005	.0004	-.0059	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0023**	**.0072**	**.0088**	**.0217**	**-.0301**	**.0030**	**.0016**
Stddev	.0079	.0077	.0031	.0623	.0322	.0090	.0003	.0002
%RSD	6711.	340.4	43.85	711.5	148.4	29.92	9.415	14.16
#1	-.0055	.0032	.0050	.0528	.0444	-.0237	.0032	.0015
#2	.0057	-.0077	.0094	-.0353	-.0011	-.0365	.0028	.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: ccbconf Acquired: 6/10/2014 16:10:31 Type: QC
Method: Accutest 2(v79) 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**	**-.0005**	**.0010**	**.0001**	**-.0004**	F **.0539**	F **.0017**	**-.0007**
Stddev	.0006	.0003	.0005	.0000	.0002	.0047	.0001	.0013
%RSD	526.2	54.61	45.35	61.22	58.14	8.786	8.563	184.3
#1	.0006	-.0003	.0014	.0001	-.0002	.0506	.0018	.0002
#2	-.0003	-.0007	.0007	.0000	-.0005	.0573	.0016	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0050	.0010	
Low Limit						-.0050	-.0010	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0011**	**.0001**
Stddev	.0034	.0007
%RSD	310.0	1041.
#1	.0013	-.0004
#2	-.0035	.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86058.**	**18291.**	**2164.6**	**4681.0**
Stddev	43.	241.	11.8	21.7
%RSD	.04974	1.3202	.54488	.46322
#1	86028.	18121.	2156.2	4665.7
#2	86089.	18462.	2172.9	4696.3

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/10/2014 16:13:43 Type: QC
Method: Accutest 2(v79) Mode: 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	**2.000**	**2.025**	**2.027**	**2.022**	**2.008**	**1.961**	**2.022**	**2.044**	**.2431**
Stddev	.039	.036	.004	.002	.001	.002	.000	.001	.0001
%RSD	1.963	1.767	.2080	.0878	.0675	.0939	.0053	.0350	.0346
#1	2.028	2.050	2.024	2.023	2.009	1.959	2.022	2.044	.2431
#2	1.972	1.999	2.030	2.021	2.007	1.962	2.022	2.045	.2430
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	**1.987**	**2.057**	**2.018**	**2.085**	**2.055**	**2.022**	**2.029**	**39.26**	**39.82**
Stddev	.002	.004	.005	.001	.003	.006	.001	.64	.72
%RSD	.1160	.1780	.2517	.0639	.1414	.3159	.0230	1.642	1.808
#1	1.986	2.060	2.014	2.086	2.053	2.017	2.028	39.72	40.33
#2	1.989	2.055	2.021	2.084	2.057	2.026	2.029	38.81	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	**39.88**	**39.23**	**39.14**	**39.54**	**2.055**	**2.044**	**1.974**	**5.025**	**2.068**
Stddev	.71	.33	.82	.85	.006	.001	.002	.015	.001
%RSD	1.789	.8337	2.086	2.156	.2891	.0328	.0790	.3064	.0390
#1	40.39	39.47	39.72	40.14	2.051	2.043	1.976	5.014	2.067
#2	39.38	39.00	38.57	38.93	2.060	2.044	1.973	5.036	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: ccvconf Acquired: 6/10/2014 16:13:43 Type: QC
Method: Accutest 2(v79) 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	**2.047**	**1.992**	**2.057**	**2.022**	**1.983**	**2.041**	**1.965**
Stddev	.037	.003	.005	.001	.008	.006	.042
%RSD	1.818	.1254	.2363	.0634	.3920	.3091	2.150
#1	2.073	1.990	2.060	2.021	1.977	2.036	1.995
#2	2.021	1.994	2.053	2.023	1.988	2.045	1.935
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	**82148.**	**18122.**	**2085.0**	**4187.2**
Stddev	40.	217.	2.0	3.7
%RSD	.04925	1.1982	.09799	.08735
#1	82177.	17968.	2083.5	4184.6
#2	82119.	18275.	2086.4	4189.8

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/10/2014 16:16:40 Type: QC
Method: Accutest 2(v79) 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**	**-.0002**	**.0003**	**-.0006**	**.0000**	**-.0001**
Stddev	.0002	.0001	.0001	.0001	.0001	.0002	.0000	.0000
%RSD	99.78	132.9	203.1	35.49	38.48	27.40	74.28	7.163
#1	-.0000	.0001	.0002	-.0003	.0002	-.0007	.0000	-.0002
#2	-.0003	.0000	-.0000	-.0001	.0004	-.0004	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0003**	**.0002**	F **.0028**	**-.0003**	**-.0001**	F **-.0050**	**-.0007**
Stddev	.0001	.0001	.0001	.0004	.0007	.0011	.0047	.0006
%RSD	18.74	52.33	29.85	13.41	242.1	1835.	93.57	93.79
#1	-.0005	.0004	.0002	.0026	.0002	.0007	-.0083	-.0011
#2	-.0004	.0002	.0001	.0031	-.0007	-.0008	-.0017	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.0027			.0030	
Low Limit				-.0027			-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**.0002**	**.0042**	**-.0310**	**.0258**	**-.0233**	**.0024**	**.0016**
Stddev	.0028	.0017	.0006	.0011	.0091	.0037	.0002	.0000
%RSD	174.7	865.4	13.63	3.484	35.17	15.78	9.760	1.199
#1	-.0004	-.0010	.0038	-.0317	.0194	-.0207	.0026	.0016
#2	.0036	.0014	.0046	-.0302	.0323	-.0259	.0022	.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: 6/10/2014 16:16:40 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0010**	**.0005**	**.0002**	**.0000**	F **.0472**	F **.0015**	**-.0003**
Stddev	.0014	.0004	.0003	.0001	.0000	.0068	.0003	.0005
%RSD	155.7	39.21	51.16	46.79	185.0	14.29	17.82	145.0
#1	.0001	.0013	.0003	.0001	-.0000	.0425	.0017	-.0007
#2	-.0019	.0007	.0007	.0002	.0001	.0520	.0013	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0050	.0010	
Low Limit						-.0050	-.0010	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0024**	**-.0007**
Stddev	.0007	.0005
%RSD	28.51	61.18
#1	-.0019	-.0004
#2	-.0029	-.0011
Check ?	Chk Fail	Chk Pass
High Limit	.0020	
Low Limit	-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87164.**	**18327.**	**2163.3**	**4683.2**
Stddev	132.	172.	.4	.6
%RSD	.15090	.93740	.01778	.01286
#1	87071.	18205.	2163.0	4683.6
#2	87257.	18448.	2163.6	4682.7

Zoom In Zoom Out

Sample Name: icv Acquired: 6/10/2014 16:19:51 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.995**	**2.020**	**2.014**	**2.014**	**1.994**	**1.946**	**2.008**	**2.034**	**.2417**
Stddev	.033	.033	.001	.001	.000	.006	.004	.005	.0007
%RSD	1.671	1.625	.0375	.0674	.0204	.3264	.1855	.2469	.3102
#1	2.018	2.043	2.014	2.015	1.994	1.941	2.005	2.038	.2422
#2	1.971	1.997	2.013	2.013	1.994	1.950	2.010	2.031	.2412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.973**	**2.049**	**2.008**	**2.070**	**2.050**	**2.006**	**2.016**	**39.30**	**39.88**
Stddev	.003	.007	.001	.011	.005	.000	.002	.62	.66
%RSD	.1319	.3329	.0573	.5062	.2252	.0218	.1205	1.585	1.651
#1	1.972	2.054	2.008	2.077	2.053	2.006	2.017	39.74	40.35
#2	1.975	2.045	2.009	2.062	2.047	2.007	2.014	38.86	39.42
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	**39.86**	**39.18**	**39.18**	**39.60**	**2.045**	**2.035**	**1.955**	**4.991**	**2.058**
Stddev	.61	.41	.70	.67	.002	.003	.001	.002	.005
%RSD	1.524	1.040	1.791	1.694	.1186	.1229	.0470	.0473	.2501
#1	40.29	39.47	39.68	40.08	2.047	2.037	1.955	4.989	2.062
#2	39.43	38.89	38.68	39.13	2.043	2.033	1.954	4.993	2.055
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: 6/10/2014 16:19:51 Type: QC
Method: Accutest 2(v79) 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**	**1.977**	**2.044**	**2.006**	**1.971**	**2.027**	**1.967**
Stddev	.034	.001	.008	.003	.004	.002	.032
%RSD	1.656	.0644	.4002	.1391	.2204	.0825	1.615
#1	2.061	1.976	2.050	2.004	1.974	2.028	1.989
#2	2.014	1.978	2.039	2.008	1.968	2.026	1.944
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	**82610.**	**18036.**	**2088.9**	**4192.1**
Stddev	101.	206.	.6	.0
%RSD	.12284	1.1396	.02932	.00023
#1	82538.	17891.	2089.3	4192.1
#2	82681.	18182.	2088.5	4192.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/10/2014 16:22:47 Type: QC
Method: Accutest 2(v79) Mode: 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**	**.0002**	**-.0001**	**.0001**	**-.0011**	**.0000**	**.0000**	**-.0002**
Stddev	.0004	.0000	.0002	.0001	.0001	.0000	.0001	.0002	.0001
%RSD	611.2	39.44	89.15	98.03	51.77	1.768	143.9	650.6	41.88
#1	.0003	-.0000	.0003	-.0002	.0002	-.0012	-.0000	.0001	-.0002
#2	-.0002	-.0000	.0001	-.0000	.0001	-.0011	.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**	**.0001**	**.0012**	**.0005**	**.0005**	**-.0028**	**-.0006**	**-.0099**	**.0026**
Stddev	.0004	.0000	.0012	.0023	.0005	.0010	.0007	.0027	.0030
%RSD	517.8	49.92	98.93	486.5	99.76	37.91	109.9	27.41	114.6
#1	-.0002	.0001	.0004	.0021	.0001	-.0020	-.0001	-.0118	.0048
#2	.0003	.0001	.0021	-.0011	.0008	-.0035	-.0012	-.0079	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**-.0350**	**.0306**	**-.0293**	**.0027**	**.0015**	**-.0013**	**-.0000**	**.0004**
Stddev	.0016	.0034	.0132	.0144	.0004	.0000	.0015	.0001	.0001
%RSD	63.91	9.809	42.99	49.23	15.77	.5062	121.3	3155.	33.20
#1	.0014	-.0326	.0213	-.0191	.0030	.0016	-.0024	.0001	.0005
#2	.0037	-.0374	.0399	-.0395	.0024	.0015	-.0002	-.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: 6/10/2014 16:22:47 Type: QC
Method: Accutest 2(v79) 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**	F **.0454**	F **.0014**	**-.0019**	**-.0018**	**.0005**
Stddev	.0001	.0005	.0049	.0001	.0029	.0004	.0005
%RSD	137.2	273.4	10.73	4.598	152.6	22.46	96.66
#1	.0001	-.0002	.0419	.0014	.0002	-.0021	.0008
#2	.0000	.0006	.0488	.0014	-.0040	-.0015	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050	.0010			
Low Limit			-.0050	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86693.**	**18229.**	**2177.5**	**4715.2**
Stddev	69.	261.	8.6	18.3
%RSD	.07940	1.4299	.39457	.38909
#1	86644.	18045.	2171.4	4702.2
#2	86742.	18413.	2183.6	4728.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:29:29 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.979**	**2.008**	**2.021**	**2.023**	**2.010**	**1.965**	**2.025**	**2.044**	**.2428**
Stddev	.039	.041	.000	.003	.008	.003	.006	.002	.0003
%RSD	1.989	2.061	.0088	.1469	.3957	.1648	.3207	.0858	.1037
#1	2.007	2.037	2.021	2.021	2.016	1.967	2.030	2.043	.2427
#2	1.951	1.979	2.021	2.025	2.004	1.963	2.020	2.045	.2430
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	**1.989**	**2.057**	**2.013**	**2.085**	**2.056**	**2.017**	**2.022**	**39.00**	**39.55**
Stddev	.004	.001	.007	.003	.007	.008	.002	.72	.75
%RSD	.2111	.0694	.3697	.1210	.3593	.4106	.0865	1.834	1.897
#1	1.992	2.056	2.008	2.083	2.051	2.011	2.020	39.50	40.08
#2	1.986	2.058	2.018	2.087	2.061	2.023	2.023	38.49	39.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.56**	**38.75**	**38.70**	**39.19**	**2.049**	**2.041**	**1.975**	**5.019**	**2.065**
Stddev	.77	.73	.82	.78	.005	.001	.004	.012	.002
%RSD	1.936	1.874	2.116	1.986	.2249	.0465	.2296	.2334	.1105
#1	40.11	39.27	39.28	39.74	2.046	2.041	1.979	5.011	2.063
#2	39.02	38.24	38.13	38.64	2.052	2.042	1.972	5.028	2.066
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: 6/10/2014 16:29:29 Type: QC
Method: Accutest 2(v79) 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	**2.024**	**1.996**	**2.045**	**2.023**	**1.984**	**2.035**	**1.948**
Stddev	.041	.006	.002	.003	.003	.001	.039
%RSD	2.016	.2828	.1078	.1469	.1366	.0574	2.002
#1	2.053	2.000	2.044	2.025	1.986	2.034	1.975
#2	1.996	1.992	2.047	2.021	1.982	2.036	1.920
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	**82219.**	**18210.**	**2092.9**	**4198.7**
Stddev	84.	259.	.2	1.2
%RSD	.10207	1.4240	.00970	.02847
#1	82160.	18027.	2093.1	4199.6
#2	82278.	18394.	2092.8	4197.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:32:26 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0003**	**.0001**	**-.0000**	**-.0003**	**.0000**	**.0001**
Stddev	.0001	.0000	.0002	.0003	.0000	.0000	.0000	.0002
%RSD	508.1	106.2	93.02	473.6	56.53	9.258	52.72	426.1
#1	-.0001	.0000	.0004	-.0001	-.0001	-.0003	.0000	-.0001
#2	.0001	.0000	.0001	.0003	-.0000	-.0003	.0000	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0007**	**.0002**	**.0023**	**-.0003**	**.0010**	F **-.0037**	**-.0012**
Stddev	.0003	.0002	.0000	.0032	.0006	.0010	.0007	.0015
%RSD	54.01	35.64	26.23	142.7	179.2	91.92	19.76	126.4
#1	-.0004	.0008	.0002	-.0000	-.0008	.0017	-.0043	-.0023
#2	-.0009	.0005	.0001	.0046	.0001	.0004	-.0032	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0040**	**-.0004**	**.0059**	**-.0293**	**.0303**	**-.0266**	**.0024**	**.0016**
Stddev	.0058	.0025	.0037	.0224	.0042	.0035	.0004	.0003
%RSD	143.7	607.2	63.73	76.30	13.93	13.21	17.34	22.41
#1	.0001	.0014	.0085	-.0135	.0333	-.0241	.0027	.0013
#2	-.0081	-.0022	.0032	-.0451	.0273	-.0290	.0021	.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: 6/10/2014 16:32:26 Type: QC
Method: Accutest 2(v79) 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	**-.0015**	**.0004**	**-.0001**	**.0001**	**-.0000**	F **.0456**	F **.0014**	**-.0001**
Stddev	.0008	.0000	.0007	.0000	.0001	.0052	.0001	.0021
%RSD	54.43	4.491	573.7	40.73	1789.	11.36	3.868	2590.
#1	-.0021	.0004	-.0006	.0001	.0001	.0420	.0014	-.0016
#2	-.0009	.0004	.0003	.0001	-.0001	.0493	.0013	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0050	.0010	
Low Limit						-.0050	-.0010	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0015**	**-.0002**
Stddev	.0004	.0003
%RSD	27.29	150.4
#1	-.0012	-.0005
#2	-.0018	.0000
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86354.**	**18297.**	**2168.8**	**4692.7**
Stddev	244.	307.	8.9	10.5
%RSD	.28225	1.6787	.40848	.22411
#1	86527.	18080.	2175.1	4700.1
#2	86182.	18514.	2162.6	4685.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 16:35:37 Type: QC
Method: Accutest 2(v79) Mode: 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	**.2036**	**.0020**	**.0035**	**.0508**	**.0107**	**.0097**	**.0157**	**.0098**	**.0047**
Stddev	.0052	.0001	.0002	.0001	.0000	.0000	.0000	.0002	.0001
%RSD	2.559	3.152	4.987	.2327	.3314	.1196	.0352	2.450	1.361
#1	.2072	.0021	.0034	.0508	.0108	.0097	.0157	.0096	.0047
#2	.1999	.0020	.0037	.0509	.0107	.0097	.0157	.0099	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0513**	**.0222**	**.0089**	**.0103**	**.0039**	**.0096**	**.0060**	**.2000**	**5.074**
Stddev	.0006	.0000	.0004	.0023	.0001	.0027	.0013	.0036	.121
%RSD	1.126	.1359	4.994	21.90	2.389	28.25	21.33	1.824	2.377
#1	.0509	.0223	.0092	.0087	.0038	.0077	.0051	.2026	5.159
#2	.0518	.0222	.0086	.0119	.0039	.0115	.0069	.1974	4.988
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	**.1111**	**5.038**	**5.078**	**4.949**	**.1097**	**.0215**	**.0527**	**.2143**	**.0100**
Stddev	.0056	.113	.119	.128	.0012	.0002	.0003	.0013	.0002
%RSD	5.021	2.241	2.342	2.577	1.093	.7565	.6516	.5986	1.933
#1	.1150	5.118	5.162	5.039	.1089	.0214	.0524	.2134	.0101
#2	.1072	4.958	4.994	4.858	.1106	.0217	.0529	.2152	.0099
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: 6/10/2014 16:35:37 Type: QC
Method: Accutest 2(v79) 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**	**.0100**	F **.0712**	**.0105**	**.0510**	**.0194**	**.0203**
Stddev	.0004	.0002	.0026	.0002	.0016	.0010	.0021
%RSD	3.304	2.491	3.588	1.593	3.112	4.902	10.58
#1	.0109	.0098	.0694	.0106	.0522	.0187	.0218
#2	.0104	.0102	.0730	.0104	.0499	.0201	.0188
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	**85738.**	**18239.**	**2146.7**	**4574.8**
Stddev	384.	326.	5.2	9.5
%RSD	.44817	1.7874	.24333	.20871
#1	86010.	18008.	2150.4	4581.6
#2	85467.	18469.	2143.0	4568.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 16:38:47 Type: QC
Method: Accutest 2(v79) 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	**.0039**	**.0009**	**.0011**	**.0031**	**.0023**	**.0019**	**.0031**	**.0039**
Stddev	.0000	.0000	.0000	.0002	.0004	.0002	.0000	.0002
%RSD	.9334	1.784	2.468	5.176	19.16	8.831	.0158	5.588
#1	.0039	.0009	.0011	.0033	.0026	.0017	.0031	.0037
#2	.0040	.0009	.0011	.0030	.0020	.0020	.0031	.0040
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	**.0008**	**.0022**	**.0114**	F **.0041**	**.0019**	**.0025**	**.0045**	**.0032**
Stddev	.0001	.0002	.0000	.0003	.0007	.0014	.0018	.0016
%RSD	16.94	10.08	.1308	6.480	39.25	55.46	39.17	50.74
#1	.0008	.0023	.0113	.0043	.0024	.0015	.0058	.0044
#2	.0007	.0020	.0114	.0039	.0013	.0034	.0033	.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.0030				
Range				30.00%				

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0932**	**1.039**	**.0040**	**.0804**	**2.052**	**.9873**	**.0114**	**.0005**
Stddev	.0020	.015	.0014	.0113	.022	.0160	.0004	.0004
%RSD	2.150	1.452	33.80	14.06	1.065	1.625	3.699	86.68
#1	.0918	1.050	.0050	.0884	2.067	.9987	.0117	.0002
#2	.0946	1.028	.0031	.0724	2.036	.9760	.0111	.0007
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 16:38:47 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0005**	**.0002**	**.0000**	**.0001**	F **.0112**	F **.0001**	F **-.0011**
Stddev	.0005	.0002	.0004	.0000	.0003	.0017	.0002	.0006
%RSD	215.0	29.55	256.1	98.74	466.6	14.91	135.3	55.07
#1	-.0006	-.0007	.0004	.0000	.0003	.0100	.0003	-.0007
#2	.0001	-.0004	-.0001	.0001	-.0002	.0124	.0000	-.0016
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 **-.0013**	F **.0008**
Stddev	.0010	.0010
%RSD	77.55	123.9
#1	-.0020	.0001
#2	-.0006	.0015
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	**86470.**	**18242.**	**2157.6**	**4648.4**
Stddev	574.	239.	2.8	4.9
%RSD	.66401	1.3091	.12992	.10547
#1	86876.	18074.	2155.6	4644.9
#2	86064.	18411.	2159.6	4651.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 16:41:58 Type: QC
Method: Accutest 2(v79) Mode: 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**	**-.0002**	**-.0004**	**-.0008**	**-.0000**	**-.0003**	**-.0003**
Stddev	.0000	.0001	.0001	.0003	.0005	.0000	.0000	.0000	.0003
%RSD	88.41	441.5	43.89	129.0	112.9	1.111	63.04	.1597	98.15
#1	.0001	-.0001	.0002	-.0004	-.0001	-.0008	-.0000	-.0003	-.0001
#2	.0000	.0001	.0001	-.0000	-.0007	-.0008	-.0000	-.0003	-.0005
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0006**	**.0215**	**.0009**	**.0206**	**.0190**	**.0188**	**.4805**	**-.0026**
Stddev	.0001	.0001	.0009	.0014	.0012	.0032	.0019	.0014	.0019
%RSD	32.92	23.58	4.130	151.6	5.691	16.74	10.12	.3001	75.75
#1	.0003	-.0007	.0221	-.0001	.0198	.0168	.0175	.4795	-.0012
#2	.0005	-.0005	.0209	.0019	.0214	.0213	.0201	.4815	-.0039
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5179**	**-.0459**	**-.0154**	**-.0350**	**.0005**	**-.0001**	**-.0013**	**.0005**	**.0002**
Stddev	.0036	.0542	.0266	.0062	.0005	.0001	.0001	.0002	.0004
%RSD	.6929	118.2	173.1	17.63	103.6	121.3	11.13	33.14	238.7
#1	.5153	-.0075	.0034	-.0394	.0008	-.0002	-.0014	.0006	.0004
#2	.5204	-.0842	-.0342	-.0306	.0001	-.0000	-.0012	.0004	-.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 16:41:58 Type: QC
Method: Accutest 2(v79) 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**	**.0110**	**.0002**	**-.0018**	**-.0022**	**-.0001**
Stddev	.0001	.0002	.0008	.0000	.0006	.0004	.0004
%RSD	475.8	58.61	7.519	16.39	35.81	16.07	332.9
#1	.0001	-.0005	.0104	.0002	-.0022	-.0025	-.0004
#2	-.0001	-.0002	.0116	.0002	-.0013	-.0020	.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	**87448.**	**18231.**	**2188.3**	**4729.8**
Stddev	205.	11.	10.8	14.5
%RSD	.23417	.06067	.49297	.30645
#1	87592.	18224.	2196.0	4740.0
#2	87303.	18239.	2180.7	4719.5

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 16:45:10 Type: QC
Method: Accutest 2(v79) Mode: 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**	**-.0001**	**.0020**	**-.0004**	**.0003**	**-.0026**	**.0012**	**.0013**	**.0006**
Stddev	.0001	.0001	.0000	.0004	.0001	.0003	.0000	.0003	.0006
%RSD	4.314	105.2	1.135	114.5	38.08	11.80	2.006	25.65	92.90
#1	-.0013	-.0000	.0020	-.0001	.0004	-.0024	.0012	.0011	.0002
#2	-.0014	-.0002	.0020	-.0007	.0002	-.0028	.0012	.0016	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0009**	**.0006**	**.0026**	**-.0024**	**.0084**	**.0048**	**485.3**	**372.9**
Stddev	.0001	.0006	.0018	.0005	.0025	.0003	.0004	1.3	3.3
%RSD	7.472	62.20	282.9	18.45	104.3	3.658	7.805	.2680	.8898
#1	.0010	-.0005	-.0006	.0030	-.0041	.0086	.0045	486.2	375.3
#2	.0009	-.0013	.0019	.0023	-.0006	.0082	.0051	484.4	370.6
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	**183.8**	**490.4**	**.1385**	**-.0300**	**-.0043**	**-.0007**	**.0196**	**-.0177**	**-.0011**
Stddev	.0	.2	.0101	.0055	.0016	.0004	.0014	.0002	.0004
%RSD	.0106	.0481	7.309	18.15	36.44	60.41	7.194	1.021	36.08
#1	183.8	490.3	.1456	-.0339	-.0032	-.0004	.0206	-.0178	-.0009
#2	183.9	490.6	.1313	-.0262	-.0054	-.0010	.0186	-.0176	-.0014
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: 6/10/2014 16:45:10 Type: QC
Method: Accutest 2(v79) 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	**-.0050**	**.0012**	**.0125**	**-.0001**	**-.0093**	**.0240**	**.0078**
Stddev	.0001	.0000	.0000	.0001	.0028	.0004	.0016
%RSD	2.381	2.005	.3179	59.13	30.42	1.746	20.76
#1	-.0050	.0012	.0125	-.0001	-.0113	.0237	.0067
#2	-.0049	.0013	.0125	-.0002	-.0073	.0243	.0090
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	**75470.**	**17932.**	**1933.5**	**3722.5**
Stddev	62.	61.	5.5	11.8
%RSD	.08162	.34187	.28703	.31743
#1	75427.	17888.	1937.4	3730.9
#2	75514.	17975.	1929.6	3714.1

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/10/2014 16:48:28 Type: QC
Method: Accutest 2(v79) 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	**.4829**	**.4820**	**1.004**	**.4859**	**.4767**	**.5025**	**.4892**	**.9766**
Stddev	.0121	.0118	.002	.0002	.0006	.0035	.0012	.0026
%RSD	2.499	2.439	.1670	.0443	.1172	.6975	.2492	.2677
#1	.4744	.4737	1.006	.4858	.4771	.5000	.4884	.9784
#2	.4915	.4903	1.003	.4861	.4763	.5050	.4901	.9747
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	**.9986**	**.4689**	**.9567**	**1.072**	**.9731**	**.9642**	**1.067**	**1.039**
Stddev	.0040	.0012	.0027	.002	.0049	.0022	.010	.002
%RSD	.4029	.2525	.2816	.2173	.5043	.2233	.9225	.1842
#1	.9958	.4680	.9586	1.074	.9697	.9657	1.060	1.037
#2	1.001	.4697	.9548	1.071	.9766	.9627	1.074	1.040
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	**488.0**	**371.4**	**186.6**	**490.0**	**.1604**	**-.0234**	**-.0030**	**.4917**
Stddev	8.0	15.1	4.6	11.4	.0166	.0029	.0001	.0004
%RSD	1.644	4.076	2.480	2.323	10.35	12.45	2.023	.0880
#1	482.4	360.7	183.3	481.9	.1487	-.0254	-.0030	.4920
#2	493.7	382.1	189.9	498.0	.1721	-.0213	-.0029	.4914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/10/2014 16:48:28 Type: QC
Method: Accutest 2(v79) 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	**.5241**	**-.0180**	**-.0006**	**-.0050**	**.0013**	**.5704**	F **-.0000**	**.4803**
Stddev	.0043	.0027	.0010	.0004	.0000	.0031	.0001	.0011
%RSD	.8266	14.80	185.3	8.586	3.012	.5392	449.6	.2260
#1	.5211	-.0161	-.0013	-.0047	.0013	.5726	.0001	.4811
#2	.5272	-.0199	.0002	-.0053	.0013	.5682	-.0001	.4795
Check ?	Chk Pass	None	None	None	None	Chk Pass	Chk Fail	Chk Pass
Value							.5000	
Range							-20.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.5249**	**.5224**
Stddev	.0025	.0119
%RSD	.4779	2.286
#1	.5266	.5140
#2	.5231	.5309
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	**75755.**	**17938.**	**1939.9**	**3742.3**
Stddev	107.	260.	3.9	9.3
%RSD	.14099	1.4470	.19913	.24752
#1	75679.	18122.	1937.2	3735.8
#2	75830.	17755.	1942.6	3748.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:51:38 Type: QC
Method: Accutest 2(v79) Mode: 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**	**1.993**	**2.025**	**2.021**	**2.018**	**1.951**	**2.017**	**2.045**	**.2419**
Stddev	.028	.028	.013	.011	.006	.004	.003	.008	.0009
%RSD	1.417	1.416	.6449	.5275	.2988	.1873	.1585	.4047	.3706
#1	1.987	2.013	2.016	2.014	2.014	1.949	2.015	2.039	.2413
#2	1.948	1.973	2.034	2.029	2.022	1.954	2.019	2.051	.2426
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	**1.987**	**2.057**	**2.019**	**2.084**	**2.059**	**2.024**	**2.032**	**39.02**	**39.52**
Stddev	.005	.008	.009	.015	.014	.020	.015	.48	.51
%RSD	.2663	.3831	.4609	.7012	.6645	.9975	.7201	1.239	1.299
#1	1.983	2.051	2.013	2.073	2.049	2.010	2.022	39.37	39.89
#2	1.991	2.062	2.026	2.094	2.068	2.039	2.043	38.68	39.16
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	**39.33**	**38.71**	**38.85**	**39.22**	**2.053**	**2.045**	**1.979**	**5.026**	**2.072**
Stddev	.52	.36	.57	.56	.017	.009	.009	.041	.012
%RSD	1.335	.9315	1.480	1.436	.8489	.4607	.4813	.8179	.5754
#1	39.70	38.97	39.26	39.62	2.040	2.038	1.973	4.997	2.064
#2	38.96	38.46	38.45	38.82	2.065	2.051	1.986	5.056	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 16:51:38 Type: QC
Method: Accutest 2(v79) 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**	**1.984**	**2.022**	**2.013**	**1.985**	**2.043**	**1.945**
Stddev	.030	.002	.003	.004	.011	.016	.029
%RSD	1.500	.0796	.1546	.2200	.5402	.7770	1.483
#1	2.026	1.983	2.019	2.010	1.977	2.032	1.966
#2	1.983	1.985	2.024	2.017	1.992	2.054	1.925
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	**81871.**	**18150.**	**2089.6**	**4194.4**
Stddev	27.	117.	6.6	11.4
%RSD	.03301	.64573	.31431	.27225
#1	81891.	18068.	2094.3	4202.5
#2	81852.	18233.	2085.0	4186.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 16:54:34 Type: QC
Method: Accutest 2(v79) 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**	**.0002**	**-.0001**	**-.0001**	**.0002**	**-.0000**	**-.0001**
Stddev	.0002	.0001	.0001	.0002	.0001	.0006	.0000	.0002
%RSD	112.4	98.13	70.90	254.3	93.41	252.9	152.7	153.2
#1	.0003	.0002	.0001	-.0002	-.0000	-.0002	-.0001	-.0003
#2	.0000	.0000	.0002	.0001	-.0002	.0006	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0002**	**.0004**	**-.0003**	**.0001**	F **-.0040**	**-.0011**
Stddev	.0001	.0002	.0001	.0010	.0009	.0003	.0029	.0006
%RSD	64.56	84.37	81.37	226.4	277.0	270.9	73.75	58.52
#1	.0001	.0003	.0003	.0011	-.0010	.0003	-.0061	-.0015
#2	.0002	.0001	.0001	-.0003	.0003	-.0001	-.0019	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.0011**	**.0015**	**-.0098**	**.0103**	**-.0391**	**.0019**	**.0012**
Stddev	.0092	.0013	.0000	.0758	.0071	.0090	.0001	.0001
%RSD	475.4	111.9	.4143	772.3	68.79	23.13	4.072	4.488
#1	.0046	.0020	.0015	-.0634	.0053	-.0327	.0018	.0011
#2	-.0085	.0002	.0015	.0438	.0153	-.0454	.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: 6/10/2014 16:54:34 Type: QC
Method: Accutest 2(v79) 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**	**.0006**	**.0010**	**.0001**	**-.0001**	F **.0366**	**.0010**	**-.0024**
Stddev	.0015	.0008	.0008	.0001	.0003	.0029	.0001	.0034
%RSD	253.6	140.2	76.68	63.07	273.3	8.026	14.93	141.1
#1	-.0017	.0000	.0005	.0002	.0001	.0345	.0009	-.0000
#2	.0005	.0011	.0016	.0001	-.0003	.0387	.0011	-.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0025**	**-.0001**
Stddev	.0007	.0003
%RSD	27.12	225.0
#1	-.0029	.0001
#2	-.0020	-.0003
Check ?	Chk Fail	Chk Pass
High Limit	.0020	
Low Limit	-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86376.**	**18316.**	**2171.6**	**4694.0**
Stddev	125.	204.	10.1	20.2
%RSD	.14522	1.1154	.46418	.43085
#1	86465.	18172.	2178.7	4708.3
#2	86287.	18461.	2164.5	4679.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/10/2014 16:57:46 Type: Unk
Method: Accutest 2(v79) 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	**.0196**	**.0044**	**.0058**	**.0151**	**.0100**	**.0076**	**.0154**	**.0205**	**.0028**
Stddev	.0009	.0000	.0002	.0004	.0004	.0016	.0004	.0016	.0006
%RSD	4.345	.7879	3.173	2.908	3.995	20.92	2.673	7.880	21.14
#1	.0190	.0044	.0060	.0148	.0097	.0065	.0157	.0194	.0032
#2	.0202	.0045	.0057	.0154	.0103	.0088	.0151	.0217	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0108**	**.0563**	**.0100**	**.0135**	**.0165**	**.0171**	**.0123**	**.4756**	**5.151**
Stddev	.0019	.0001	.0041	.0007	.0005	.0164	.0061	.0254	.022
%RSD	17.92	.0966	41.44	5.471	3.014	96.15	49.64	5.345	.4377
#1	.0094	.0563	.0071	.0130	.0168	.0055	.0166	.4936	5.167
#2	.0121	.0563	.0129	.0140	.0161	.0287	.0080	.4576	5.135

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0270**	**.4336**	**10.15**	**4.919**	**.0564**	**.0015**	**-.0076**	**-.0055**	**.0016**
Stddev	.0124	.1339	.01	.027	.0031	.0017	.0077	.0049	.0058
%RSD	45.93	30.88	.1170	.5527	5.514	112.6	102.0	88.83	371.2
#1	.0358	.5283	10.16	4.900	.0586	.0003	-.0130	-.0021	-.0026
#2	.0182	.3390	10.14	4.939	.0542	.0027	-.0021	-.0090	.0057

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**-.0008**	**.0696**	**.0012**	**-.0030**	**-.0062**	**-.0009**
Stddev	.0001	.0004	.0083	.0001	.0034	.0049	.0038
%RSD	20.71	54.13	11.94	6.135	114.1	78.77	402.7
#1	-.0003	-.0005	.0637	.0012	-.0006	-.0028	.0017
#2	-.0004	-.0011	.0755	.0011	-.0054	-.0097	-.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86231.**	**18422.**	**2178.9**	**4687.1**
Stddev	345.	176.	19.0	32.9
%RSD	.40008	.95610	.87252	.70256
#1	86474.	18298.	2165.5	4663.9
#2	85987.	18547.	2192.3	4710.4

Zoom In Zoom Out

Sample Name: mp79923-b1 2 Acquired: 6/10/2014 17:01:48 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.942**	**.0489**	**.0583**	**.5188**	**.2065**	**.2427**	**.5028**	**.5335**	**.0059**
Stddev	.052	.0012	.0000	.0001	.0004	.0002	.0008	.0009	.0003
%RSD	2.691	2.511	.0705	.0131	.2077	.0626	.1686	.1603	5.645
#1	1.905	.0480	.0583	.5188	.2068	.2428	.5022	.5341	.0061
#2	1.979	.0497	.0584	.5187	.2062	.2426	.5034	.5329	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4873**	**.5318**	**2.205**	**2.015**	**2.101**	**2.370**	**.5168**	**1.929**	**.0095**
Stddev	.0012	.0007	.005	.000	.004	.013	.0021	.049	.0019
%RSD	.2516	.1325	.2341	.0223	.1759	.5505	.4145	2.546	19.71
#1	.4864	.5313	2.201	2.015	2.099	2.361	.5152	1.895	.0082
#2	.4882	.5322	2.208	2.015	2.104	2.380	.5183	1.964	.0109

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.034**	**-.0032**	**-.1472**	**977.0**	**.0045**	**.0020**	**.0011**	**.1128**	**.0024**
Stddev	.028	.0017	.0020	6.1	.0008	.0002	.0014	.0014	.0002
%RSD	2.723	52.98	1.329	.6251	17.13	8.206	128.8	1.236	10.29
#1	1.014	-.0044	-.1458	981.4	.0039	.0019	.0020	.1118	.0022
#2	1.054	-.0020	-.1486	972.7	.0050	.0021	.0001	.1138	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0041**	**.0010**	**.0227**	**.0001**	**.0202**	**-.0018**	**.0011**
Stddev	.0001	.0001	.0013	.0001	.0026	.0009	.0002
%RSD	2.047	6.268	5.564	168.1	12.84	49.04	15.60
#1	.0041	.0010	.0218	-.0000	.0183	-.0024	.0010
#2	.0042	.0009	.0236	.0001	.0220	-.0012	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76195.**	**18554.**	**1968.3**	**3731.5**
Stddev	37.	236.	11.9	16.9
%RSD	.04827	1.2719	.60542	.45378
#1	76221.	18721.	1976.7	3743.4
#2	76169.	18387.	1959.9	3719.5

Zoom In Zoom Out

Sample Name: mp79924-b1 2 Acquired: 6/10/2014 17:04:56 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.909**	**.0478**	**.0573**	**.5145**	**.2051**	**.2415**	**.5010**	**.5285**	**.0055**
Stddev	.051	.0014	.0001	.0003	.0008	.0006	.0006	.0010	.0001
%RSD	2.695	3.019	.2366	.0679	.4016	.2666	.1134	.1839	2.713
#1	1.873	.0468	.0574	.5147	.2045	.2419	.5006	.5292	.0054
#2	1.945	.0488	.0572	.5142	.2057	.2410	.5014	.5278	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4850**	**.5301**	**2.172**	**1.993**	**2.071**	**2.318**	**.5127**	**1.892**	**.0174**
Stddev	.0005	.0005	.004	.000	.001	.007	.0014	.050	.0003
%RSD	.1034	.0914	.1945	.0041	.0229	.2892	.2784	2.664	1.884
#1	.4853	.5304	2.169	1.993	2.071	2.313	.5116	1.856	.0171
#2	.4846	.5297	2.175	1.993	2.071	2.323	.5137	1.928	.0176

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.012**	**-.0155**	**-.1278**	**923.7**	**.0047**	**.0022**	**.0013**	**.1166**	**.0015**
Stddev	.030	.0156	.0499	28.0	.0007	.0001	.0004	.0010	.0004
%RSD	3.007	100.8	39.05	3.034	14.11	6.504	27.20	.8416	27.59
#1	.9901	-.0265	-.0925	903.9	.0042	.0021	.0016	.1159	.0012
#2	1.033	-.0044	-.1631	943.6	.0051	.0023	.0011	.1173	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0041**	**.0012**	**.0228**	**.0016**	**.0235**	**-.0030**	**-.0013**
Stddev	.0001	.0004	.0006	.0002	.0020	.0021	.0003
%RSD	1.274	30.01	2.635	13.21	8.602	71.80	25.99
#1	.0041	.0014	.0224	.0018	.0221	-.0015	-.0015
#2	.0041	.0009	.0232	.0015	.0249	-.0045	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76237.**	**18694.**	**1965.6**	**3734.0**
Stddev	214.	324.	3.7	4.7
%RSD	.28014	1.7327	.18773	.12546
#1	76388.	18923.	1968.2	3737.3
#2	76086.	18465.	1963.0	3730.7

Zoom In Zoom Out

Sample Name: mp79927-b1conf Acquired: 6/10/2014 17:08:04 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.957**	**.0489**	**.0591**	**.5278**	**.2082**	**.2452**	**.5092**	**.5419**	**.0056**
Stddev	.013	.0005	.0002	.0017	.0014	.0024	.0036	.0016	.0008
%RSD	.6840	.9342	.3352	.3224	.6559	.9648	.7163	.3009	14.88
#1	1.947	.0486	.0590	.5266	.2072	.2435	.5066	.5408	.0050
#2	1.966	.0493	.0593	.5290	.2092	.2469	.5118	.5431	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4926**	**.5402**	**2.228**	**2.056**	**2.150**	**2.364**	**.5262**	**1.942**	**.0117**
Stddev	.0034	.0001	.016	.005	.003	.012	.0008	.018	.0009
%RSD	.6872	.0149	.7010	.2535	.1405	.5142	.1597	.9074	7.488
#1	.4902	.5401	2.217	2.052	2.148	2.356	.5256	1.929	.0111
#2	.4950	.5403	2.239	2.060	2.152	2.373	.5267	1.954	.0123

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.034**	**-.0015**	**-.1152**	**963.9**	**.0041**	**.0019**	**.0017**	**.1250**	**.0024**
Stddev	.006	.0058	.0000	2.5	.0002	.0001	.0010	.0023	.0003
%RSD	.5386	379.9	.0410	.2623	4.801	2.950	58.51	1.812	12.98
#1	1.030	-.0056	-.1153	962.1	.0043	.0019	.0010	.1266	.0022
#2	1.037	.0026	-.1152	965.7	.0040	.0018	.0024	.1234	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0049**	**.0016**	**.0159**	**-.0002**	**.0218**	**-.0026**	**.0016**
Stddev	.0000	.0003	.0016	.0002	.0004	.0003	.0004
%RSD	.9220	17.99	10.14	84.17	1.971	13.08	23.31
#1	.0049	.0018	.0148	-.0004	.0215	-.0028	.0018
#2	.0049	.0014	.0171	-.0001	.0221	-.0023	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75860.**	**18441.**	**1962.0**	**3703.5**
Stddev	375.	53.	6.4	7.8
%RSD	.49443	.28694	.32772	.20938
#1	76125.	18479.	1966.5	3708.9
#2	75595.	18404.	1957.4	3698.0

Zoom In Zoom Out

Sample Name: mp79923-mb1conf Acquired: 6/10/2014 17:11:11 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0020**	**.0000**	**.0001**	**.0003**	**.0008**	**.0028**	**.0010**	**.0021**	**-.0007**
Stddev	.0000	.0001	.0001	.0000	.0002	.0001	.0000	.0002	.0006
%RSD	.6977	693.8	90.41	7.589	28.53	3.138	2.136	7.674	84.94
#1	.0020	-.0001	.0002	.0003	.0007	.0027	.0010	.0020	-.0011
#2	.0021	.0001	.0000	.0003	.0010	.0028	.0010	.0022	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0006**	**-.0014**	**.0016**	**.0003**	**.0011**	**.0008**	**.0022**	**.0612**
Stddev	.0002	.0000	.0012	.0015	.0011	.0031	.0005	.0024	.0022
%RSD	45.77	6.900	84.54	90.99	342.4	271.8	56.35	111.0	3.608
#1	.0003	.0006	-.0006	.0006	-.0005	-.0011	.0012	.0005	.0597
#2	.0006	.0005	-.0023	.0027	.0011	.0033	.0005	.0039	.0628

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0110**	**-.0142**	**-.1000**	**917.1**	**.0052**	**.0002**	**-.0006**	**.2511**	**.0022**
Stddev	.0034	.0067	.0178	1.8	.0013	.0002	.0013	.0021	.0002
%RSD	31.26	47.33	17.82	.1935	24.30	99.04	219.1	.8178	8.924
#1	.0085	-.0190	-.0874	918.3	.0061	.0001	.0003	.2526	.0020
#2	.0134	-.0095	-.1126	915.8	.0043	.0004	-.0015	.2497	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0057**	**-.0004**	**.0047**	**-.0001**	**.0211**	**-.0030**	**.0006**
Stddev	.0001	.0005	.0007	.0001	.0025	.0033	.0018
%RSD	1.131	125.6	15.01	56.25	11.68	108.5	301.2
#1	.0057	-.0000	.0042	-.0001	.0228	-.0007	.0019
#2	.0057	-.0007	.0052	-.0002	.0193	-.0053	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75193.**	**18544.**	**1959.4**	**3722.7**
Stddev	335.	176.	.3	1.8
%RSD	.44571	.94782	.01371	.04715
#1	75430.	18668.	1959.6	3721.5
#2	74956.	18419.	1959.3	3724.0

Zoom In Zoom Out

Sample Name: mp79924-mb1conf Acquired: 6/10/2014 17:14:28 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0021**	**-.0000**	**-.0000**	**-.0001**	**.0008**	**.0021**	**.0010**	**.0017**	**-.0006**
Stddev	.0001	.0001	.0002	.0003	.0003	.0003	.0000	.0003	.0007
%RSD	5.549	146.5	2706.	222.8	40.63	13.63	2.418	19.09	112.6
#1	.0022	-.0001	.0001	-.0004	.0010	.0023	.0010	.0020	-.0011
#2	.0020	.0000	-.0002	.0001	.0006	.0019	.0010	.0015	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**-.0013**	**-.0007**	**-.0001**	**.0008**	**.0046**	**.0008**	**.0030**	**.0522**
Stddev	.0005	.0000	.0004	.0006	.0003	.0003	.0005	.0040	.0015
%RSD	97.26	3.721	57.48	495.3	35.63	6.711	63.04	133.9	2.794
#1	.0002	-.0012	-.0010	.0003	.0010	.0049	.0005	.0002	.0511
#2	.0009	-.0013	-.0004	-.0005	.0006	.0044	.0012	.0059	.0532

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0128**	**.0018**	**-.0759**	**904.1**	**.0037**	**.0004**	**-.0002**	**.2387**	**.0015**
Stddev	.0007	.0311	.0030	2.3	.0000	.0004	.0007	.0005	.0003
%RSD	5.300	1762.	3.918	.2490	1.245	99.17	353.2	.2052	17.21
#1	.0123	.0238	-.0738	905.6	.0037	.0001	-.0007	.2383	.0013
#2	.0133	-.0202	-.0780	902.5	.0036	.0006	.0003	.2390	.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0058**	**-.0001**	**.0059**	**-.0002**	**.0213**	**-.0018**	**-.0017**
Stddev	.0002	.0002	.0013	.0002	.0009	.0003	.0015
%RSD	2.653	162.7	22.77	99.71	4.431	13.85	91.26
#1	.0057	-.0003	.0050	-.0004	.0219	-.0020	-.0006
#2	.0060	.0000	.0069	-.0001	.0206	-.0017	-.0027

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75925.**	**18334.**	**1971.7**	**3750.9**
Stddev	216.	170.	2.5	6.3
%RSD	.28482	.92757	.12882	.16743
#1	76078.	18455.	1969.9	3746.4
#2	75772.	18214.	1973.5	3755.3

Zoom In Zoom Out

Sample Name: mp79923-mb2conf Acquired: 6/10/2014 17:17:46 Type: Unk
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2nd calib

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0024**	**.0000**	**.0003**	**.0002**	**.0006**	**.0056**	**.0020**	**.0018**	**-.0005**
Stddev	.0001	.0000	.0002	.0000	.0003	.0007	.0000	.0003	.0004
%RSD	4.033	204.1	56.84	11.12	45.17	12.97	1.740	15.10	89.60
#1	.0024	-.0000	.0002	.0002	.0004	.0051	.0020	.0020	-.0002
#2	.0023	.0001	.0005	.0002	.0008	.0061	.0020	.0016	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0070**	**-.0004**	**-.0015**	**.0037**	**.0038**	**-.0013**	**.0013**	**.0851**
Stddev	.0001	.0001	.0011	.0012	.0013	.0016	.0004	.0000	.0015
%RSD	32.49	1.581	311.9	79.26	35.66	40.68	35.18	2.696	1.804
#1	.0002	.0069	.0004	-.0023	.0028	.0027	-.0009	.0012	.0840
#2	.0001	.0071	-.0011	-.0006	.0046	.0049	-.0016	.0013	.0862

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0290**	**-.0230**	**-.0898**	**876.2**	**.0037**	**.0001**	**-.0002**	**.1708**	**.0015**
Stddev	.0003	.0138	.0056	3.9	.0005	.0002	.0016	.0010	.0003
%RSD	1.044	59.84	6.228	.4400	14.31	417.2	639.3	.5675	23.07
#1	.0287	-.0328	-.0937	873.5	.0033	.0002	.0009	.1701	.0018
#2	.0292	-.0133	-.0858	878.9	.0040	-.0001	-.0014	.1715	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0042**	**.0001**	**.0016**	**.0001**	**.0257**	**-.0005**	**.0007**
Stddev	.0000	.0001	.0015	.0001	.0020	.0009	.0016
%RSD	.0675	163.7	94.29	143.2	7.821	184.8	212.0
#1	.0042	.0001	.0005	-.0000	.0271	.0001	.0018
#2	.0042	-.0000	.0026	.0001	.0243	-.0011	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75985.**	**18490.**	**1965.8**	**3739.9**
Stddev	155.	200.	3.9	3.1
%RSD	.20378	1.0842	.19808	.08165
#1	76095.	18632.	1968.6	3742.0
#2	75876.	18348.	1963.1	3737.7

Zoom In Zoom Out

Sample Name: mp79923-s1 Acquired: 6/10/2014 17:21:03 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.991**	**.0496**	**.0593**	**.5799**	**.2093**	**.2481**	**.9390**	**.5428**	**.0520**
Stddev	.001	.0001	.0002	.0026	.0005	.0006	.0014	.0019	.0007
%RSD	.0648	.2325	.2622	.4502	.2190	.2603	.1479	.3496	1.355
#1	1.990	.0495	.0592	.5781	.2096	.2476	.9380	.5414	.0525
#2	1.992	.0497	.0594	.5818	.2090	.2486	.9399	.5441	.0515

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4951**	**.7600**	**2.209**	**2.028**	**2.115**	**2.388**	**.5188**	**2.511**	**23.33**
Stddev	.0015	.0021	.016	.006	.011	.015	.0062	.001	.05
%RSD	.2953	.2772	.7438	.2903	.5377	.6175	1.199	.0304	.2033
#1	.4940	.7585	2.198	2.024	2.107	2.378	.5144	2.512	23.30
#2	.4961	.7615	2.221	2.032	2.123	2.398	.5232	2.511	23.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.451**	**4.537**	**1.597**	**877.5**	**.2234**	**-.0000**	**.0028**	**5.017**	**.0003**
Stddev	.007	.011	.064	15.7	.0016	.0001	.0011	.045	.0001
%RSD	.1303	.2521	4.013	1.790	.7283	1910.	38.34	.8997	38.13
#1	5.446	4.528	1.551	888.6	.2223	-.0001	.0036	4.985	.0002
#2	5.456	4.545	1.642	866.4	.2246	.0001	.0021	5.049	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1483**	**.0050**	**.0154**	**-.0006**	**.2281**	**-.0003**	**.0045**
Stddev	.0003	.0006	.0004	.0002	.0007	.0016	.0006
%RSD	.2053	11.06	2.900	37.76	.2942	499.8	12.72
#1	.1485	.0046	.0151	-.0008	.2276	.0008	.0049
#2	.1480	.0054	.0157	-.0004	.2286	-.0015	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76022.**	**18495.**	**1973.7**	**3713.7**
Stddev	115.	11.	8.8	16.1
%RSD	.15118	.05871	.44362	.43282
#1	76104.	18487.	1979.8	3725.0
#2	75941.	18503.	1967.5	3702.3

Zoom In Zoom Out

Sample Name: mp79923-s2 Acquired: 6/10/2014 17:24:09 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.902**	**.0475**	**.0564**	**.5527**	**.2003**	**.2350**	**.8908**	**.5160**	**.0497**
Stddev	.014	.0005	.0001	.0009	.0007	.0009	.0042	.0018	.0007
%RSD	.7482	1.034	.0985	.1651	.3658	.3947	.4758	.3413	1.392
#1	1.892	.0471	.0563	.5520	.1998	.2344	.8878	.5147	.0492
#2	1.912	.0478	.0564	.5533	.2008	.2357	.8938	.5172	.0502

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4713**	**.7254**	**2.092**	**1.938**	**2.000**	**2.257**	**.4937**	**2.381**	**22.26**
Stddev	.0008	.0011	.004	.002	.005	.005	.0006	.008	.13
%RSD	.1751	.1496	.1913	.1079	.2312	.2198	.1252	.3191	.5667
#1	.4707	.7261	2.090	1.937	1.996	2.253	.4933	2.376	22.17
#2	.4719	.7246	2.095	1.940	2.003	2.260	.4942	2.386	22.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.181**	**4.292**	**1.559**	**839.0**	**.2123**	**-.0001**	**.0028**	**4.744**	**.0001**
Stddev	.034	.005	.052	10.5	.0001	.0001	.0002	.020	.0002
%RSD	.6525	.1092	3.323	1.253	.0620	206.0	8.314	.4216	155.9
#1	5.157	4.288	1.523	831.6	.2122	-.0002	.0026	4.730	.0002
#2	5.205	4.295	1.596	846.5	.2123	.0000	.0029	4.758	-.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1411**	**.0041**	**.0152**	**-.0006**	**.2180**	**-.0001**	**.0014**
Stddev	.0009	.0004	.0002	.0003	.0014	.0009	.0019
%RSD	.6458	10.82	1.137	44.79	.6216	978.1	141.9
#1	.1405	.0044	.0151	-.0004	.2171	-.0008	.0027
#2	.1418	.0037	.0154	-.0008	.2190	.0006	-.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76217.**	**18456.**	**1981.5**	**3731.8**
Stddev	239.	55.	1.6	4.1
%RSD	.31339	.30024	.08069	.11103
#1	76386.	18495.	1982.6	3734.7
#2	76048.	18417.	1980.3	3728.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 17:27:16 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.957**	**1.971**	**2.004**	**2.001**	**2.001**	**1.929**	**2.002**	**2.023**	**.2392**
Stddev	.039	.041	.011	.007	.009	.006	.006	.006	.0002
%RSD	1.998	2.096	.5451	.3384	.4585	.3009	.2879	.2896	.0698
#1	1.985	2.000	1.997	1.996	1.994	1.925	1.998	2.019	.2393
#2	1.930	1.941	2.012	2.006	2.007	1.933	2.006	2.027	.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	**1.971**	**2.040**	**2.000**	**2.061**	**2.036**	**2.011**	**2.010**	**38.66**	**39.10**
Stddev	.006	.001	.011	.006	.006	.012	.014	.85	.86
%RSD	.3134	.0521	.5289	.2734	.3160	.6106	.7044	2.195	2.207
#1	1.967	2.039	1.992	2.057	2.031	2.003	2.000	39.26	39.71
#2	1.976	2.041	2.007	2.065	2.040	2.020	2.020	38.06	38.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.80**	**38.35**	**38.49**	**37.37**	**2.033**	**2.026**	**1.956**	**4.977**	**2.049**
Stddev	.81	1.07	.88	.71	.011	.008	.008	.028	.003
%RSD	2.090	2.781	2.279	1.909	.5511	.3763	.4019	.5652	.1408
#1	39.38	39.11	39.12	37.87	2.025	2.021	1.950	4.958	2.047
#2	38.23	37.60	37.87	36.87	2.041	2.032	1.962	4.997	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 17:27:16 Type: QC
Method: Accutest 2(v79) 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	**2.001**	**1.968**	**1.986**	**1.996**	**1.965**	**2.019**	**1.925**
Stddev	.040	.004	.009	.005	.011	.015	.037
%RSD	2.005	.2279	.4520	.2539	.5386	.7250	1.906
#1	2.029	1.965	1.992	1.993	1.957	2.008	1.951
#2	1.972	1.971	1.980	2.000	1.972	2.029	1.899
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	**82211.**	**18201.**	**2099.5**	**4217.2**
Stddev	461.	468.	2.0	1.0
%RSD	.56033	2.5713	.09385	.02445
#1	82536.	17871.	2098.2	4216.4
#2	81885.	18532.	2100.9	4217.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 17:30:12 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0001**	**.0001**	**-.0000**	**-.0007**	**.0001**	**-.0003**
Stddev	.0000	.0000	.0000	.0000	.0005	.0004	.0000	.0001
%RSD	14.98	71.85	33.70	21.04	1118.	57.43	23.58	21.13
#1	.0001	.0001	-.0002	.0001	-.0004	-.0010	.0001	-.0003
#2	.0000	.0000	-.0001	.0002	.0003	-.0004	.0001	-.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	**-.0007**	**.0007**	**.0000**	**.0018**	**-.0005**	**.0001**	F **-.0045**	**.0001**
Stddev	.0002	.0000	.0001	.0007	.0004	.0003	.0009	.0005
%RSD	32.51	7.202	403.8	36.86	86.21	194.4	21.14	366.3
#1	-.0008	.0007	-.0000	.0014	-.0002	-.0001	-.0051	-.0002
#2	-.0005	.0006	.0001	.0023	-.0008	.0003	-.0038	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0067**	**-.0007**	**.0025**	**-.0165**	**-.0021**	**.1404**	**.0012**	**.0012**
Stddev	.0066	.0038	.0035	.0460	.0096	.0077	.0003	.0000
%RSD	98.87	518.3	139.7	278.5	450.8	5.505	22.93	3.098
#1	-.0020	.0019	.0050	.0160	-.0090	.1459	.0010	.0012
#2	-.0114	-.0034	.0000	-.0491	.0047	.1350	.0014	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 17:30:12 Type: QC
Method: Accutest 2(v79) 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	**-.0016**	**.0007**	**.0004**	**.0001**	**-.0003**	F **.0336**	**.0009**	**-.0003**
Stddev	.0001	.0004	.0003	.0001	.0001	.0046	.0000	.0006
%RSD	4.864	67.64	77.40	103.5	24.51	13.65	4.992	223.2
#1	-.0017	.0010	.0006	.0002	-.0003	.0304	.0010	-.0007
#2	-.0016	.0003	.0002	.0000	-.0002	.0369	.0009	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0007**	**-.0020**
Stddev	.0006	.0018
%RSD	84.25	92.06
#1	-.0011	-.0007
#2	-.0003	-.0032
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	**86781.**	**18363.**	**2175.3**	**4708.2**
Stddev	182.	307.	8.7	12.5
%RSD	.20987	1.6738	.39829	.26468
#1	86909.	18146.	2181.5	4717.0
#2	86652.	18580.	2169.2	4699.3

Zoom In Zoom Out

Sample Name: mp79923-sd1 Acquired: 6/10/2014 17:33:23 Type: Unk
Method: Accutest 2(v79) 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	**.0419**	**-.0001**	**.0011**	**.0594**	**.0023**	**.0045**	**.4377**	**.0093**	**-.0021**
Stddev	.0008	.0002	.0011	.0010	.0012	.0005	.0030	.0010	.0005
%RSD	2.025	286.0	101.7	1.674	51.58	10.73	.6827	11.26	22.28
#1	.0425	-.0002	.0003	.0587	.0032	.0048	.4356	.0086	-.0017
#2	.0413	.0001	.0019	.0601	.0015	.0041	.4398	.0101	-.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.2463**	**-.0055**	**.0052**	**.0076**	**-.0111**	**-.0041**	**.4748**	**23.90**
Stddev	.0005	.0001	.0012	.0061	.0071	.0042	.0025	.0283	.23
%RSD	9.945	.0459	22.47	117.1	94.20	37.94	61.24	5.962	.9696
#1	.0049	.2463	-.0064	.0095	.0126	-.0081	-.0023	.4548	23.73
#2	.0056	.2464	-.0046	.0009	.0025	-.0141	-.0059	.4948	24.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.480**	**4.395**	**1.617**	**1087.**	**.2353**	**.0023**	**-.0079**	**5.166**	**.0015**
Stddev	.028	.039	.088	18.	.0011	.0015	.0007	.007	.0027
%RSD	.6247	.8844	5.442	1.686	.4782	65.93	9.481	.1387	185.1
#1	4.460	4.367	1.554	1100.	.2360	.0012	-.0073	5.171	-.0005
#2	4.500	4.422	1.679	1074.	.2345	.0033	-.0084	5.160	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1499**	**.0035**	**.0815**	**.0063**	**.2167**	**-.0088**	**.0081**
Stddev	.0019	.0006	.0178	.0002	.0081	.0062	.0077
%RSD	1.298	16.81	21.89	2.382	3.737	70.40	95.11
#1	.1485	.0039	.0689	.0062	.2109	-.0044	.0026
#2	.1513	.0031	.0941	.0064	.2224	-.0132	.0135

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81929.**	**18313.**	**2082.1**	**4133.4**
Stddev	525.	26.	.6	2.5
%RSD	.64054	.14104	.02928	.05934
#1	82300.	18295.	2082.5	4131.6
#2	81558.	18332.	2081.6	4135.1

Zoom In Zoom Out

Sample Name: mp79924-mb2conf Acquired: 6/10/2014 17:36:37 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0085**	**.0001**	**.0002**	**.0002**	**.0002**	**.0045**	**.0054**	**.0013**	**-.0004**
Stddev	.0002	.0000	.0002	.0003	.0006	.0002	.0000	.0001	.0000
%RSD	2.158	87.06	102.5	139.7	324.3	3.755	.5702	7.392	10.89
#1	.0086	.0001	.0001	.0004	-.0002	.0043	.0053	.0012	-.0005
#2	.0084	.0000	.0004	.0000	.0006	.0046	.0054	.0013	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0167**	**.0006**	**.0006**	**.0061**	**-.0011**	**-.0008**	**.0404**	**.4392**
Stddev	.0000	.0001	.0010	.0014	.0010	.0028	.0016	.0021	.0053
%RSD	3.703	.6208	152.1	247.1	15.83	252.1	202.0	5.226	1.201
#1	.0004	.0166	-.0000	.0016	.0054	-.0031	-.0020	.0419	.4429
#2	.0004	.0168	.0013	-.0004	.0068	.0009	.0003	.0389	.4354

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1112**	**.0746**	**.0576**	**.3510**	**.0025**	**-.0001**	**-.0011**	**.9377**	**.0012**
Stddev	.0060	.0077	.0073	.0230	.0003	.0002	.0006	.0054	.0001
%RSD	5.367	10.39	12.61	6.562	10.64	337.1	53.34	.5760	11.18
#1	.1154	.0691	.0627	.3673	.0027	-.0002	-.0007	.9338	.0011
#2	.1070	.0801	.0524	.3347	.0023	.0001	-.0015	.9415	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0147**	**.0006**	**.0109**	**-.0000**	**.8228**	**-.0014**	**-.0014**
Stddev	.0004	.0003	.0012	.0001	.0025	.0015	.0009
%RSD	2.496	44.37	11.37	1449.	.3025	107.8	62.69
#1	.0150	.0004	.0100	.0001	.8210	-.0003	-.0008
#2	.0145	.0007	.0118	-.0001	.8246	-.0025	-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87266.**	**18620.**	**2188.0**	**4734.1**
Stddev	404.	369.	2.6	6.1
%RSD	.46264	1.9794	.12111	.12806
#1	87552.	18360.	2189.9	4738.4
#2	86981.	18881.	2186.2	4729.9

Zoom In Zoom Out

Sample Name: mp79924-s1 Acquired: 6/10/2014 17:39:48 Type: Unk
Method: Accutest 2(v79) Mode: 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	**3.074**	**.0486**	**.0646**	**.5328**	**.2074**	**.3872**	**6.268**	**.5758**	**.0572**
Stddev	.046	.0007	.0002	.0030	.0001	.0041	.023	.0014	.0004
%RSD	1.500	1.462	.3061	.5711	.0597	1.052	.3728	.2354	.6336
#1	3.041	.0481	.0647	.5350	.2075	.3901	6.251	.5767	.0569
#2	3.106	.0491	.0644	.5307	.2073	.3843	6.284	.5748	.0575

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4962**	**1.948**	**2.236**	**2.005**	**3.468**	**2.403**	**.5378**	**2.310**	**494.5**
Stddev	.0040	.011	.006	.005	.013	.003	.0003	.052	.5
%RSD	.7999	.5782	.2775	.2361	.3772	.1183	.0503	2.248	.0952
#1	.4990	1.956	2.240	2.009	3.478	2.405	.5376	2.274	494.9
#2	.4934	1.940	2.232	2.002	3.459	2.401	.5380	2.347	494.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.249**	**15.45**	**3.943**	**930.6**	**.2213**	**.0039**	**.0127**	**25.20**	**-.0023**
Stddev	.023	.21	.091	5.7	.0002	.0000	.0018	.05	.0005
%RSD	1.033	1.382	2.308	.6103	.0871	.9752	14.36	.2050	20.97
#1	2.233	15.30	3.879	926.6	.2214	.0038	.0114	25.24	-.0020
#2	2.266	15.60	4.007	934.6	.2211	.0039	.0139	25.16	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.239**	**.0020**	**.0462**	**-.0038**	**11.60**	**.0106**	**.0235**
Stddev	.017	.0001	.0004	.0000	.02	.0025	.0016
%RSD	1.396	2.899	.9382	1.176	.1726	23.53	6.862
#1	1.227	.0020	.0459	-.0038	11.61	.0124	.0224
#2	1.251	.0021	.0465	-.0038	11.58	.0088	.0247

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74268.**	**18247.**	**1885.4**	**3539.7**
Stddev	372.	69.	4.5	5.1
%RSD	.50039	.37701	.23914	.14343
#1	74005.	18295.	1882.2	3536.1
#2	74530.	18198.	1888.6	3543.3

Zoom In Zoom Out

Sample Name: mp79924-s2 Acquired: 6/10/2014 17:43:03 Type: Unk
Method: Accutest 2(v79) Mode: 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	**3.097**	**.0490**	**.0644**	**.5360**	**.2029**	**.3848**	**6.407**	**.5763**	**.0570**
Stddev	.023	.0003	.0004	.0007	.0002	.0018	.014	.0011	.0003
%RSD	.7562	.5891	.6557	.1287	.1216	.4609	.2136	.1995	.4715
#1	3.080	.0488	.0641	.5355	.2031	.3860	6.397	.5754	.0568
#2	3.113	.0492	.0647	.5365	.2027	.3835	6.416	.5771	.0572

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4941**	**1.917**	**2.245**	**2.016**	**3.504**	**2.414**	**.5432**	**2.227**	**498.0**
Stddev	.0026	.003	.006	.002	.009	.018	.0036	.015	8.3
%RSD	.5253	.1409	.2491	.1129	.2477	.7276	.6647	.6922	1.673
#1	.4959	1.915	2.241	2.018	3.498	2.401	.5407	2.216	503.9
#2	.4923	1.919	2.249	2.015	3.510	2.426	.5458	2.238	492.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.010**	**15.54**	**4.034**	**909.1**	**.2258**	**.0035**	**.0133**	**25.65**	**-.0026**
Stddev	.006	.06	.031	11.3	.0012	.0001	.0001	.13	.0009
%RSD	.6182	.4013	.7711	1.240	.5154	2.846	.4748	.5220	33.00
#1	1.005	15.49	4.012	917.1	.2250	.0036	.0133	25.56	-.0033
#2	1.014	15.58	4.056	901.2	.2266	.0035	.0132	25.75	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.260**	**.0006**	**.0453**	**-.0041**	**11.73**	**.0093**	**.0230**
Stddev	.011	.0002	.0037	.0004	.06	.0001	.0004
%RSD	.8872	32.93	8.174	9.827	.5433	1.139	1.949
#1	1.252	.0007	.0427	-.0044	11.69	.0092	.0233
#2	1.268	.0004	.0479	-.0038	11.78	.0094	.0227

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74074.**	**18118.**	**1874.0**	**3518.3**
Stddev	424.	105.	11.8	15.6
%RSD	.57294	.57874	.62838	.44294
#1	73774.	18044.	1882.3	3529.3
#2	74374.	18192.	1865.7	3507.2

Zoom In Zoom Out

Sample Name: jb68602-1ab Acquired: 6/10/2014 17:46:19 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.159**	**-.0003**	**.0047**	**.0190**	**.0025**	**.1454**	**6.067**	**.0503**	**.0038**
Stddev	.012	.0001	.0001	.0005	.0007	.0004	.009	.0009	.0003
%RSD	1.015	34.47	1.108	2.543	25.84	.2518	.1530	1.743	7.549
#1	1.150	-.0002	.0048	.0194	.0030	.1457	6.061	.0510	.0036
#2	1.167	-.0003	.0047	.0187	.0021	.1452	6.074	.0497	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**1.451**	**.0033**	**.0110**	**1.473**	**.0044**	**.0064**	**.2369**	**520.1**
Stddev	.0001	.003	.0000	.0026	.003	.0019	.0045	.0073	6.1
%RSD	1.020	.2372	.1765	23.24	.1717	43.47	69.67	3.102	1.179
#1	.0061	1.454	.0033	.0092	1.475	.0058	.0096	.2421	524.4
#2	.0061	1.449	.0033	.0128	1.472	.0031	.0033	.2317	515.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0159**	**16.00**	**4.175**	**911.9**	**.2337**	**.0037**	**.0116**	**26.45**	**-.0020**
Stddev	.0011	.20	.036	2.8	.0006	.0000	.0024	.08	.0004
%RSD	6.948	1.252	.8636	.3048	.2501	1.211	20.64	.3178	17.70
#1	.0167	15.85	4.150	909.9	.2333	.0036	.0133	26.39	-.0022
#2	.0151	16.14	4.201	913.9	.2342	.0037	.0099	26.51	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.306**	**.0005**	**.0357**	**-.0044**	**12.11**	**.0129**	**.0227**
Stddev	.015	.0001	.0004	.0001	.04	.0001	.0003
%RSD	1.112	14.18	1.259	1.482	.3428	.9448	1.256
#1	1.295	.0005	.0360	-.0043	12.08	.0130	.0229
#2	1.316	.0006	.0354	-.0044	12.14	.0128	.0225

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73654.**	**18083.**	**1870.9**	**3514.9**
Stddev	42.	124.	4.9	9.4
%RSD	.05699	.68634	.26167	.26657
#1	73625.	18171.	1874.4	3521.5
#2	73684.	17996.	1867.4	3508.3

Zoom In Zoom Out

Sample Name: mp79924-sd1 Acquired: 6/10/2014 17:49:42 Type: Unk
Method: Accutest 2(v79) 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	**1.144**	**-.0006**	**.0066**	**.0198**	**.0078**	**.1441**	**6.400**	**.0514**	**.0019**
Stddev	.013	.0001	.0013	.0017	.0022	.0004	.064	.0034	.0001
%RSD	1.127	20.37	20.29	8.480	28.14	.2826	1.007	6.590	4.050
#1	1.135	-.0006	.0076	.0210	.0094	.1438	6.354	.0490	.0020
#2	1.153	-.0005	.0057	.0186	.0063	.1444	6.445	.0537	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0080**	**1.613**	**.0056**	**.0062**	**1.614**	**.0018**	**-.0040**	**.2236**	**531.8**
Stddev	.0005	.045	.0116	.0001	.049	.0266	.0098	.0335	6.1
%RSD	6.541	2.780	205.4	2.126	3.035	1444.	244.4	14.99	1.147
#1	.0076	1.582	-.0025	.0063	1.579	-.0169	.0029	.1999	527.5
#2	.0083	1.645	.0138	.0061	1.648	.0206	-.0109	.2473	536.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0104**	**16.50**	**4.080**	**1070.**	**.2546**	**.0045**	**.0119**	**27.97**	**-.0053**
Stddev	.0144	.07	.102	1.	.0050	.0001	.0063	.95	.0004
%RSD	139.3	.4468	2.509	.0523	1.945	2.999	53.00	3.393	6.748
#1	.0206	16.45	4.153	1070.	.2511	.0046	.0075	27.30	-.0050
#2	.0002	16.55	4.008	1069.	.2581	.0044	.0164	28.64	-.0055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.274**	**.0022**	**.0404**	**-.0060**	**12.51**	**.0008**	**.0078**
Stddev	.015	.0011	.0068	.0008	.44	.0010	.0003
%RSD	1.202	51.92	16.88	13.68	3.531	125.4	3.996
#1	1.263	.0030	.0356	-.0054	12.19	.0001	.0080
#2	1.285	.0014	.0452	-.0065	12.82	.0015	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79954.**	**18089.**	**2026.7**	**3987.9**
Stddev	30.	74.	6.0	14.3
%RSD	.03772	.40663	.29365	.35813
#1	79975.	18037.	2030.9	3998.0
#2	79932.	18141.	2022.5	3977.8

Zoom In Zoom Out

Sample Name: jb68375-6a Acquired: 6/10/2014 17:52:55 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.7103**	**.0006**	**.0014**	**.0273**	**.0039**	**.0181**	**7.320**	**.0138**	**.0027**
Stddev	.0017	.0001	.0001	.0006	.0002	.0002	.114	.0000	.0003
%RSD	.2336	9.436	3.735	2.182	4.607	1.178	1.553	.1335	12.68
#1	.7092	.0006	.0013	.0269	.0038	.0183	7.240	.0138	.0024
#2	.7115	.0005	.0014	.0277	.0041	.0180	7.401	.0138	.0029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0046**	**.1749**	**.0015**	**.0038**	**.0358**	**.0059**	**-.0002**	**.2458**	**50.35**
Stddev	.0003	.0004	.0005	.0001	.0002	.0011	.0006	.0072	.20
%RSD	5.506	.2504	34.76	2.299	.4248	19.20	339.5	2.940	.4056
#1	.0044	.1746	.0019	.0039	.0357	.0067	-.0006	.2407	50.20
#2	.0048	.1753	.0011	.0038	.0359	.0051	.0003	.2509	50.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.924**	**6.336**	**2.141**	**892.0**	**.1885**	**-.0001**	**.0001**	**3.203**	**-.0003**
Stddev	.021	.001	.014	26.0	.0014	.0001	.0008	.008	.0004
%RSD	.7197	.0104	.6587	2.915	.7198	122.8	861.9	.2382	142.6
#1	2.909	6.336	2.131	910.4	.1875	-.0000	-.0005	3.198	.0000
#2	2.939	6.335	2.151	873.6	.1895	-.0001	.0007	3.209	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1949**	**.0007**	**.0070**	**-.0006**	**1.435**	**-.0008**	**.0033**
Stddev	.0006	.0000	.0002	.0003	.002	.0015	.0003
%RSD	.3144	5.443	2.720	46.03	.1206	184.4	8.005
#1	.1945	.0007	.0071	-.0004	1.434	-.0019	.0031
#2	.1953	.0007	.0069	-.0009	1.436	.0003	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76067.**	**18354.**	**1956.2**	**3681.8**
Stddev	8.	16.	6.7	14.6
%RSD	.01037	.08644	.34340	.39532
#1	76073.	18342.	1960.9	3692.1
#2	76062.	18365.	1951.4	3671.5

Zoom In Zoom Out

Sample Name: jb68491-1 Acquired: 6/10/2014 17:56:14 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.6394**	**.0001**	**.0030**	**.0018**	**.0022**	**.0435**	**1.005**	**.0141**	**.0010**
Stddev	.0056	.0001	.0001	.0001	.0001	.0007	.005	.0007	.0007
%RSD	.8724	81.41	2.236	8.415	5.879	1.606	.5339	4.722	73.54
#1	.6355	.0002	.0029	.0017	.0021	.0430	1.002	.0137	.0015
#2	.6434	.0000	.0030	.0019	.0023	.0440	1.009	.0146	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0024**	**.1925**	**-.0029**	**.0016**	**.0507**	**.0047**	**-.0003**	**.1962**	**242.6**
Stddev	.0002	.0005	.0020	.0006	.0004	.0010	.0002	.0027	1.7
%RSD	9.046	.2363	68.41	36.42	.7480	21.17	72.89	1.368	.7181
#1	.0026	.1928	-.0043	.0012	.0504	.0040	-.0001	.1981	241.4
#2	.0023	.1921	-.0015	.0021	.0509	.0053	-.0004	.1943	243.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0009**	**25.22**	**3.861**	**854.8**	**.1659**	**-.0005**	**.0063**	**5.781**	**.0000**
Stddev	.0006	.22	.017	7.7	.0010	.0001	.0010	.009	.0000
%RSD	62.87	.8538	.4480	.9013	.5809	24.83	15.70	.1630	69.84
#1	.0005	25.07	3.849	860.2	.1666	-.0004	.0069	5.787	.0000
#2	.0013	25.38	3.873	849.3	.1652	-.0006	.0056	5.774	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8184**	**.0005**	**.0085**	**-.0007**	**2.796**	**.0047**	**.0084**
Stddev	.0070	.0002	.0006	.0001	.004	.0014	.0015
%RSD	.8608	52.86	6.491	17.18	.1613	29.88	18.13
#1	.8135	.0003	.0081	-.0008	2.792	.0037	.0095
#2	.8234	.0006	.0089	-.0006	2.799	.0057	.0073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74608.**	**18321.**	**1905.6**	**3583.5**
Stddev	261.	28.	.4	3.0
%RSD	.34992	.15060	.02062	.08279
#1	74792.	18301.	1905.3	3581.4
#2	74423.	18340.	1905.9	3585.6

Zoom In Zoom Out

Sample Name: jb68592-5 Acquired: 6/10/2014 17:59:27 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.2561**	**.0002**	**.0010**	**.0013**	**.0016**	**.0874**	**.0646**	**.0145**	**-.0012**
Stddev	.0028	.0001	.0003	.0004	.0002	.0001	.0006	.0001	.0003
%RSD	1.079	64.53	30.39	28.79	13.95	.1443	.9807	.9010	25.82
#1	.2542	.0001	.0013	.0011	.0014	.0873	.0642	.0146	-.0010
#2	.2581	.0002	.0008	.0016	.0017	.0875	.0651	.0144	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.1535**	**.0057**	**-.0002**	**.0434**	**.0039**	**.0069**	**.2923**	**31.46**
Stddev	.0002	.0001	.0005	.0001	.0012	.0002	.0014	.0223	.21
%RSD	21.17	.0344	8.438	78.94	2.819	4.682	20.60	7.638	.6592
#1	.0010	.1534	.0060	-.0002	.0425	.0040	.0079	.3081	31.32
#2	.0007	.1535	.0054	-.0001	.0442	.0037	.0059	.2765	31.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1286**	**8.585**	**1.935**	**859.0**	**.1841**	**.0001**	**.0010**	**2.325**	**.0004**
Stddev	.0007	.004	.020	1.5	.0001	.0000	.0003	.014	.0002
%RSD	.5392	.0480	1.044	.1788	.0671	13.90	24.57	.5877	41.91
#1	.1281	8.582	1.921	860.1	.1840	.0001	.0012	2.315	.0006
#2	.1291	8.587	1.949	857.9	.1841	.0001	.0009	2.334	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1917**	**.0042**	**.0044**	**-.0005**	**.9300**	**-.0007**	**.0018**
Stddev	.0014	.0001	.0002	.0001	.0010	.0020	.0002
%RSD	.7500	1.911	5.395	20.66	.1099	269.5	14.12
#1	.1907	.0042	.0043	-.0004	.9292	-.0021	.0016
#2	.1927	.0043	.0046	-.0006	.9307	.0007	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75443.**	**18351.**	**1959.1**	**3698.0**
Stddev	317.	27.	2.5	4.7
%RSD	.41969	.14903	.12666	.12586
#1	75667.	18370.	1960.9	3701.3
#2	75219.	18332.	1957.4	3694.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 18:02:41 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.954**	**1.948**	**1.991**	**1.991**	**2.007**	**1.930**	**2.000**	**2.013**	**.2397**
Stddev	.037	.043	.086	.079	.002	.002	.004	.079	.0000
%RSD	1.912	2.208	4.346	3.987	.1147	.1042	.1745	3.924	.0099
#1	1.980	1.978	1.929	1.934	2.009	1.931	2.002	1.957	.2396
#2	1.927	1.917	2.052	2.047	2.005	1.928	1.997	2.069	.2397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.973**	**2.028**	**1.988**	**2.047**	**2.021**	**1.994**	**1.993**	**38.73**	**38.78**
Stddev	.003	.078	.083	.078	.078	.092	.088	.77	.94
%RSD	.1378	3.834	4.184	3.805	3.869	4.608	4.422	1.991	2.437
#1	1.975	1.973	1.929	1.992	1.966	1.929	1.931	39.28	39.45
#2	1.971	2.083	2.047	2.102	2.076	2.059	2.055	38.19	38.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.12**	**37.76**	**38.24**	**37.23**	**2.017**	**2.015**	**1.961**	**4.942**	**2.039**
Stddev	.83	.72	.79	.61	.090	.083	.006	.215	.086
%RSD	2.167	1.895	2.078	1.644	4.447	4.118	.3023	4.351	4.201
#1	38.71	38.26	38.80	37.66	1.953	1.956	1.965	4.790	1.979
#2	37.54	37.25	37.68	36.80	2.080	2.074	1.957	5.094	2.100
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: 6/10/2014 18:02:41 Type: QC
Method: Accutest 2(v79) 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	**1.989**	**1.965**	**1.962**	**1.995**	**1.951**	**2.007**	**1.916**
Stddev	.040	.003	.066	.005	.081	.084	.038
%RSD	1.990	.1718	3.345	.2419	4.155	4.166	1.964
#1	2.017	1.968	1.916	1.999	1.894	1.948	1.942
#2	1.961	1.963	2.009	1.992	2.009	2.066	1.889
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	**82050.**	**18385.**	**2107.5**	**4229.7**
Stddev	143.	457.	64.4	121.3
%RSD	.17432	2.4840	3.0547	2.8685
#1	82151.	18062.	2153.0	4315.5
#2	81948.	18708.	2061.9	4143.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:05:37 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0000**	**-.0001**	**.0001**	**.0000**	**-.0002**	**.0000**	**-.0002**
Stddev	.0000	.0000	.0000	.0001	.0003	.0004	.0001	.0002
%RSD	52.94	303.7	9.080	85.25	1044.	267.4	7427.	134.3
#1	.0000	.0000	-.0002	.0001	.0003	.0001	.0000	-.0000
#2	.0001	-.0000	-.0001	.0000	-.0002	-.0005	-.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0001**	**.0011**	**-.0007**	**.0001**	F **-.0035**	**-.0003**
Stddev	.0001	.0001	.0000	.0000	.0001	.0006	.0025	.0007
%RSD	71.36	56.76	7.271	1.104	16.36	414.8	70.75	267.5
#1	.0003	.0001	.0001	.0011	-.0008	-.0003	-.0017	-.0007
#2	.0001	.0003	.0001	.0011	-.0007	.0006	-.0052	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**.0012**	**.0046**	**-.0226**	**.0199**	**.1413**	**.0017**	**.0011**
Stddev	.0018	.0015	.0018	.0195	.0066	.0068	.0005	.0001
%RSD	70.12	121.2	40.12	85.98	33.30	4.801	29.66	6.832
#1	.0013	.0002	.0059	-.0089	.0246	.1365	.0013	.0010
#2	.0037	.0023	.0033	-.0364	.0152	.1461	.0020	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:05:37 Type: QC
Method: Accutest 2(v79) 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	**-.0013**	**-.0003**	**.0008**	**.0001**	**-.0003**	F **.0349**	F **.0011**	**-.0018**
Stddev	.0011	.0013	.0008	.0000	.0003	.0044	.0002	.0028
%RSD	85.81	437.7	98.02	46.06	119.3	12.67	14.43	156.9
#1	-.0005	-.0012	.0013	.0000	-.0005	.0318	.0009	.0002
#2	-.0021	.0006	.0002	.0001	-.0000	.0381	.0012	-.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0050	.0010	
Low Limit						-.0050	-.0010	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0008**	**-.0026**
Stddev	.0020	.0008
%RSD	243.4	29.49
#1	.0006	-.0032
#2	-.0022	-.0021
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	**87556.**	**18500.**	**2189.3**	**4732.5**
Stddev	190.	285.	6.5	17.7
%RSD	.21701	1.5409	.29791	.37303
#1	87691.	18298.	2184.7	4720.0
#2	87422.	18701.	2193.9	4745.0

Zoom In Zoom Out

Sample Name: jb68592-10 Acquired: 6/10/2014 18:08:50 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4774**	**.0038**	**.0685**	**.0139**	**.0012**	**14.02**	**.4378**	**.2119**	**-.0001**
Stddev	.0066	.0000	.0000	.0003	.0008	.09	.0025	.0007	.0005
%RSD	1.379	.1733	.0105	1.834	72.25	.6487	.5734	.3357	822.5
#1	.4727	.0038	.0685	.0140	.0017	13.95	.4360	.2124	.0003
#2	.4820	.0038	.0685	.0137	.0006	14.08	.4396	.2114	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**2.420**	**.0004**	**-.0061**	**.8279**	**.0038**	**.0208**	**.2771**	**86.05**
Stddev	.0002	.008	.0003	.0016	.0033	.0026	.0012	.0075	1.14
%RSD	15.56	.3342	79.59	26.12	.3992	67.95	5.576	2.693	1.323
#1	.0014	2.425	.0002	-.0072	.8302	.0020	.0217	.2824	85.25
#2	.0011	2.414	.0006	-.0049	.8256	.0057	.0200	.2718	86.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0304**	**22.03**	**2.665**	**950.0**	**.1839**	**.0015**	**.0040**	**2.833**	**.0000**
Stddev	.0002	.44	.029	2.4	.0006	.0002	.0009	.003	.0005
%RSD	.7545	2.011	1.107	.2574	.3199	12.08	23.53	.1069	2443.
#1	.0302	21.72	2.644	948.3	.1843	.0017	.0046	2.835	.0003
#2	.0306	22.34	2.685	951.8	.1834	.0014	.0033	2.831	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2918**	**.0019**	**.0249**	**.0023**	**1.282**	**-.0044**	**.0045**
Stddev	.0036	.0004	.0010	.0000	.007	.0002	.0003
%RSD	1.251	21.39	3.922	.9172	.5161	4.721	7.687
#1	.2893	.0016	.0242	.0023	1.287	-.0046	.0043
#2	.2944	.0022	.0256	.0023	1.278	-.0043	.0047

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74669.**	**18336.**	**1927.4**	**3640.4**
Stddev	308.	144.	1.5	4.0
%RSD	.41299	.78479	.07616	.11098
#1	74887.	18438.	1926.3	3637.5
#2	74451.	18234.	1928.4	3643.3

Zoom In Zoom Out

Sample Name: jb68592-15 Acquired: 6/10/2014 18:12:02 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.3764**	**.0016**	**.0215**	**.0397**	**.0025**	**3.435**	**2.322**	**.0849**	**.0005**
Stddev	.0024	.0001	.0002	.0004	.0004	.010	.008	.0002	.0000
%RSD	.6403	5.802	.7506	.9515	17.28	.2970	.3570	.2883	7.214
#1	.3746	.0015	.0216	.0399	.0028	3.427	2.316	.0847	.0005
#2	.3781	.0017	.0214	.0394	.0022	3.442	2.328	.0850	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.5487**	**.0020**	**-.0003**	**.3787**	**.0021**	**.0110**	**.3098**	**69.58**
Stddev	.0002	.0010	.0023	.0008	.0007	.0005	.0017	.0055	.21
%RSD	8.153	.1894	117.5	281.4	.1924	25.59	15.78	1.781	.3038
#1	.0023	.5494	.0003	-.0008	.3782	.0025	.0098	.3137	69.43
#2	.0021	.5480	.0036	.0003	.3792	.0017	.0123	.3059	69.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0194**	**27.69**	**2.801**	**903.8**	**.1861**	**.0005**	**.0017**	**2.112**	**-.0001**
Stddev	.0042	.12	.015	5.9	.0012	.0002	.0002	.003	.0002
%RSD	21.45	.4336	.5192	.6567	.6470	42.16	11.08	.1537	172.8
#1	.0165	27.60	2.791	908.0	.1852	.0006	.0018	2.109	-.0003
#2	.0223	27.77	2.812	899.6	.1869	.0003	.0015	2.114	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2119**	**.0005**	**.0124**	**-.0000**	**1.023**	**-.0030**	**.0042**
Stddev	.0021	.0002	.0011	.0002	.000	.0008	.0014
%RSD	.9934	38.50	8.709	554.9	.0114	28.01	33.32
#1	.2104	.0004	.0117	-.0002	1.023	-.0024	.0052
#2	.2134	.0007	.0132	.0001	1.023	-.0035	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75399.**	**18225.**	**1932.9**	**3647.9**
Stddev	197.	44.	3.0	4.1
%RSD	.26143	.24082	.15600	.11325
#1	75538.	18256.	1935.0	3650.9
#2	75259.	18194.	1930.8	3645.0

Zoom In Zoom Out

Sample Name: jb68592-20 Acquired: 6/10/2014 18:15:15 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1950**	**.0008**	**.0037**	**.0016**	**.0021**	**.7260**	**.3046**	**.0317**	**-.0008**
Stddev	.0013	.0000	.0004	.0000	.0006	.0083	.0033	.0001	.0002
%RSD	.6510	4.174	9.639	3.012	30.32	1.148	1.072	.1897	21.46
#1	.1959	.0007	.0040	.0016	.0026	.7319	.3069	.0318	-.0007
#2	.1941	.0008	.0035	.0016	.0017	.7201	.3023	.0317	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.2259**	**-.0001**	**-.0008**	**.0562**	**.0032**	**.0035**	**.4900**	**26.65**
Stddev	.0004	.0015	.0009	.0002	.0008	.0003	.0005	.0204	.13
%RSD	36.86	.6686	1120.	18.77	1.479	10.22	14.90	4.157	.4765
#1	.0015	.2269	-.0008	-.0007	.0567	.0034	.0031	.4756	26.74
#2	.0009	.2248	.0006	-.0009	.0556	.0030	.0038	.5044	26.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0506**	**5.344**	**2.140**	**855.4**	**.1775**	**.0024**	**-.0006**	**2.551**	**.0009**
Stddev	.0007	.049	.006	24.4	.0003	.0000	.0008	.008	.0005
%RSD	1.336	.9173	.2863	2.850	.1458	1.407	130.5	.3132	58.89
#1	.0511	5.378	2.144	872.6	.1773	.0024	-.0011	2.556	.0005
#2	.0502	5.309	2.135	838.2	.1777	.0024	-.0000	2.545	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1798**	**.0010**	**.0125**	**-.0003**	**.8595**	**-.0025**	**.0039**
Stddev	.0009	.0001	.0005	.0001	.0023	.0006	.0008
%RSD	.4735	13.09	3.694	16.94	.2699	25.52	21.13
#1	.1804	.0011	.0122	-.0004	.8611	-.0020	.0045
#2	.1792	.0009	.0128	-.0003	.8578	-.0029	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74467.**	**18155.**	**1949.9**	**3690.8**
Stddev	706.	191.	1.5	9.6
%RSD	.94762	1.0530	.07569	.26072
#1	73968.	18020.	1948.9	3684.0
#2	74966.	18290.	1951.0	3697.6

Zoom In Zoom Out

Sample Name: jb68592-25 Acquired: 6/10/2014 18:18:29 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.5918**	**.0088**	**.0464**	**.0277**	**.0033**	**15.08**	**2.157**	**.1318**	**.0004**
Stddev	.0059	.0000	.0002	.0003	.0001	.10	.017	.0012	.0003
%RSD	1.003	.1278	.4287	1.072	3.412	.6782	.7891	.9138	61.31
#1	.5876	.0088	.0463	.0279	.0032	15.01	2.145	.1326	.0006
#2	.5960	.0088	.0466	.0275	.0033	15.15	2.169	.1309	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**2.539**	**-.0010**	**-.0046**	**.7754**	**.0088**	**.0287**	**.7294**	**121.2**
Stddev	.0004	.020	.0004	.0025	.0056	.0032	.0017	.0070	1.1
%RSD	27.12	.7947	41.93	53.95	.7185	36.85	6.048	.9592	.9230
#1	.0013	2.554	-.0007	-.0028	.7794	.0110	.0275	.7244	120.4
#2	.0019	2.525	-.0013	-.0063	.7715	.0065	.0299	.7343	122.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0030**	**41.13**	**3.050**	**871.9**	**.1682**	**.0004**	**.0036**	**6.492**	**-.0001**
Stddev	.0033	.51	.045	4.0	.0019	.0000	.0019	.022	.0002
%RSD	110.4	1.243	1.463	.4633	1.148	2.505	54.02	.3417	201.4
#1	-.0054	40.77	3.018	874.7	.1696	.0004	.0049	6.508	.0000
#2	-.0007	41.49	3.081	869.0	.1668	.0004	.0022	6.477	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3180**	**-.0004**	**.0159**	**-.0013**	**1.144**	**-.0049**	**.0097**
Stddev	.0036	.0010	.0005	.0002	.008	.0007	.0009
%RSD	1.118	231.2	3.122	11.86	.6832	13.44	8.929
#1	.3155	-.0011	.0155	-.0014	1.149	-.0044	.0091
#2	.3205	.0003	.0162	-.0012	1.138	-.0053	.0103

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74672.**	**18276.**	**1910.0**	**3616.9**
Stddev	260.	121.	2.7	6.3
%RSD	.34837	.66058	.14188	.17524
#1	74856.	18362.	1908.1	3612.4
#2	74488.	18191.	1912.0	3621.4

Zoom In Zoom Out

Sample Name: jb68603-1ab Acquired: 6/10/2014 18:21:42 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.6954**	**-.0000**	**.0009**	**.0076**	**.0016**	**.0048**	**5.759**	**.0086**	**.0032**
Stddev	.0116	.0000	.0001	.0003	.0002	.0007	.077	.0002	.0006
%RSD	1.668	48.04	9.157	3.848	11.23	15.52	1.344	2.128	19.75
#1	.6872	-.0001	.0009	.0078	.0018	.0053	5.814	.0088	.0027
#2	.7036	-.0000	.0008	.0074	.0015	.0042	5.704	.0085	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0044**	**.0053**	**-.0017**	**.0059**	**-.0021**	**.0026**	**.0007**	**.1475**	**431.7**
Stddev	.0005	.0002	.0010	.0007	.0003	.0008	.0004	.0097	1.3
%RSD	12.11	3.912	57.56	11.51	14.39	32.49	51.70	6.589	.3074
#1	.0041	.0055	-.0010	.0064	-.0019	.0020	.0010	.1544	432.6
#2	.0048	.0052	-.0024	.0054	-.0023	.0032	.0005	.1407	430.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**23.04**	**3.810**	**871.5**	**.0955**	**-.0003**	**.0117**	**4.411**	**-.0010**
Stddev	.0001	.43	.076	9.0	.0001	.0001	.0026	.017	.0007
%RSD	41.47	1.847	1.992	1.027	.1018	19.73	22.44	.3814	69.20
#1	.0002	22.74	3.756	865.2	.0954	-.0003	.0099	4.399	-.0005
#2	.0001	23.34	3.863	877.9	.0956	-.0003	.0136	4.423	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9021**	**.0004**	**.0110**	**.0005**	**1.278**	**.0113**	**.0105**
Stddev	.0146	.0000	.0002	.0004	.007	.0016	.0006
%RSD	1.618	7.921	2.090	86.70	.5623	13.99	5.691
#1	.8918	.0004	.0108	.0008	1.273	.0102	.0101
#2	.9124	.0005	.0112	.0002	1.283	.0125	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74434.**	**18217.**	**1887.9**	**3520.3**
Stddev	547.	176.	3.0	9.2
%RSD	.73495	.96780	.15918	.26026
#1	74047.	18342.	1890.0	3526.8
#2	74821.	18092.	1885.7	3513.8

Zoom In Zoom Out

Sample Name: jb68604-1ab Acquired: 6/10/2014 18:25:07 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.7067**	**-.0000**	**.0011**	**.0091**	**.0025**	**.0072**	**5.546**	**.0144**	**.0031**
Stddev	.0028	.0001	.0003	.0003	.0003	.0009	.062	.0001	.0001
%RSD	.3978	301.4	30.93	3.710	10.38	12.15	1.117	.3542	2.154
#1	.7047	-.0001	.0008	.0089	.0024	.0066	5.590	.0144	.0031
#2	.7087	.0000	.0013	.0093	.0027	.0078	5.502	.0144	.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**.1087**	**-.0006**	**.0016**	**.0030**	**.0027**	**.0010**	**.1542**	**382.2**
Stddev	.0001	.0002	.0007	.0007	.0002	.0036	.0012	.0146	6.9
%RSD	2.427	.1856	120.5	46.49	6.381	130.9	117.0	9.444	1.812
#1	.0039	.1089	-.0001	.0011	.0031	.0053	.0002	.1645	387.1
#2	.0038	.1086	-.0011	.0021	.0029	.0002	.0018	.1439	377.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0029**	**23.52**	**3.871**	**865.4**	**.1473**	**.0008**	**.0091**	**5.010**	**.0003**
Stddev	.0033	.11	.070	6.8	.0002	.0001	.0015	.013	.0001
%RSD	114.3	.4589	1.818	.7830	.1161	9.885	16.89	.2598	38.64
#1	-.0052	23.45	3.821	860.6	.1472	.0009	.0080	5.001	.0002
#2	-.0006	23.60	3.920	870.2	.1474	.0007	.0102	5.019	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4621**	**.0003**	**.0113**	**-.0008**	**3.647**	**.0089**	**.0088**
Stddev	.0016	.0003	.0001	.0000	.011	.0007	.0014
%RSD	.3467	135.8	1.264	5.257	.3081	7.501	15.75
#1	.4610	.0000	.0112	-.0007	3.639	.0094	.0078
#2	.4632	.0005	.0114	-.0008	3.655	.0085	.0097

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74567.**	**18280.**	**1898.0**	**3556.3**
Stddev	766.	23.	.2	1.5
%RSD	1.0278	.12425	.01091	.04163
#1	74025.	18296.	1897.9	3557.3
#2	75109.	18264.	1898.2	3555.2

Zoom In Zoom Out

Sample Name: mp79927-mb2 2 Acquired: 6/10/2014 18:28:32 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0030**	**-.0001**	**.0001**	**.0000**	**.0010**	**.0095**	**.0047**	**.0018**	**-.0012**
Stddev	.0002	.0001	.0002	.0003	.0002	.0004	.0000	.0001	.0002
%RSD	5.179	159.8	160.8	3844.	15.47	4.108	.3277	5.098	18.67
#1	.0031	.0000	.0002	.0002	.0011	.0097	.0047	.0017	-.0010
#2	.0029	-.0001	-.0000	-.0002	.0009	.0092	.0046	.0019	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0068**	**-.0001**	**.0005**	**.0073**	**.0033**	**-.0004**	**.0164**	**.1329**
Stddev	.0006	.0001	.0002	.0017	.0006	.0004	.0005	.0024	.0080
%RSD	126.1	1.501	230.0	317.1	8.753	12.80	107.9	14.78	6.024
#1	.0008	.0068	-.0003	.0018	.0078	.0030	-.0008	.0181	.1386
#2	.0000	.0067	.0001	-.0007	.0069	.0036	-.0001	.0146	.1273

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2203**	**.0051**	**.0645**	**889.7**	**.0046**	**.0001**	**.0001**	**.9067**	**.0014**
Stddev	.0027	.0187	.0000	2.9	.0003	.0002	.0004	.0029	.0003
%RSD	1.216	368.3	.0461	.3289	5.783	228.4	471.6	.3247	23.55
#1	.2184	-.0081	.0645	891.8	.0048	-.0001	.0004	.9047	.0016
#2	.2222	.0183	.0645	887.7	.0044	.0003	-.0002	.9088	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0046**	**.0002**	**.0047**	**-.0002**	**.0299**	**.0003**	**-.0030**
Stddev	.0001	.0008	.0008	.0000	.0012	.0020	.0003
%RSD	2.698	408.9	18.00	11.19	4.154	751.0	11.08
#1	.0045	.0007	.0041	-.0001	.0308	.0017	-.0028
#2	.0047	-.0003	.0052	-.0002	.0290	-.0011	-.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75348.**	**18429.**	**1948.5**	**3693.0**
Stddev	254.	129.	1.2	.3
%RSD	.33743	.70178	.06137	.00790
#1	75528.	18520.	1949.4	3693.2
#2	75169.	18337.	1947.7	3692.8

Zoom In Zoom Out

Sample Name: mp79927-b2 Acquired: 6/10/2014 18:31:47 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.933**	**.0479**	**.0579**	**.5190**	**.2027**	**.2390**	**.4961**	**.5310**	**.0507**
Stddev	.012	.0000	.0002	.0004	.0028	.0035	.0073	.0006	.0008
%RSD	.6080	.0718	.2941	.0790	1.399	1.465	1.471	.1149	1.652
#1	1.924	.0478	.0578	.5187	.2007	.2365	.4909	.5305	.0501
#2	1.941	.0479	.0580	.5193	.2047	.2415	.5012	.5314	.0513

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4796**	**.5339**	**2.203**	**2.010**	**2.073**	**2.357**	**.5173**	**1.915**	**.0248**
Stddev	.0062	.0004	.006	.004	.004	.004	.0013	.019	.0019
%RSD	1.299	.0789	.2867	.2069	.2129	.1645	.2597	1.000	7.734
#1	.4752	.5336	2.199	2.007	2.070	2.354	.5182	1.901	.0262
#2	.4840	.5342	2.208	2.013	2.076	2.359	.5163	1.928	.0235

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9880**	**-.0160**	**-.0937**	**868.3**	**.0035**	**.0001**	**.0025**	**.1353**	**.0021**
Stddev	.0057	.0403	.0277	4.0	.0010	.0001	.0005	.0031	.0003
%RSD	.5726	250.9	29.62	.4554	29.48	97.46	20.21	2.310	15.07
#1	.9840	.0124	-.1133	871.1	.0043	.0000	.0022	.1375	.0023
#2	.9920	-.0445	-.0740	865.5	.0028	.0002	.0029	.1331	.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0041**	**-.0003**	**.0114**	**.0003**	**.0227**	**-.0015**	**-.0025**
Stddev	.0001	.0003	.0000	.0001	.0018	.0010	.0002
%RSD	2.090	83.62	.1442	36.96	8.139	69.17	8.308
#1	.0041	-.0001	.0114	.0003	.0214	-.0022	-.0026
#2	.0042	-.0006	.0114	.0004	.0240	-.0008	-.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76432.**	**18531.**	**1961.1**	**3713.4**
Stddev	915.	89.	.9	1.3
%RSD	1.1965	.48141	.04744	.03568
#1	77078.	18594.	1960.4	3712.5
#2	75785.	18468.	1961.7	3714.4

Zoom In Zoom Out

Sample Name: mp79927-s1 Acquired: 6/10/2014 18:34:56 Type: Unk
Method: Accutest 2(v79) Mode: 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	**2.374**	**.0481**	**.0630**	**.5278**	**.2118**	**.2975**	**2.810**	**.5432**	**.0526**
Stddev	.042	.0010	.0004	.0003	.0007	.0008	.011	.0003	.0016
%RSD	1.759	2.101	.6452	.0554	.3174	.2752	.3733	.0623	2.992
#1	2.404	.0488	.0633	.5276	.2113	.2970	2.803	.5429	.0515
#2	2.345	.0474	.0627	.5280	.2123	.2981	2.817	.5434	.0537

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4857**	**1.618**	**2.177**	**1.983**	**2.130**	**2.337**	**.5242**	**3.013**	**218.4**
Stddev	.0024	.002	.000	.002	.001	.013	.0002	.044	3.6
%RSD	.4908	.1343	.0185	.0896	.0297	.5527	.0449	1.461	1.627
#1	.4840	1.619	2.176	1.985	2.130	2.328	.5241	3.044	220.9
#2	.4873	1.616	2.177	1.982	2.131	2.347	.5244	2.982	215.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.601**	**18.92**	**5.667**	**830.5**	**.2078**	**.0010**	**.0058**	**12.37**	**-.0011**
Stddev	.036	.27	.081	29.2	.0006	.0001	.0005	.02	.0004
%RSD	2.257	1.442	1.436	3.519	.3054	11.30	7.811	.1535	34.02
#1	1.626	19.12	5.725	851.2	.2083	.0011	.0061	12.36	-.0008
#2	1.575	18.73	5.610	809.8	.2074	.0009	.0055	12.38	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6685**	**.0017**	**.0238**	**-.0024**	**13.32**	**.0051**	**.0172**
Stddev	.0132	.0000	.0003	.0001	.02	.0006	.0007
%RSD	1.978	2.688	1.262	5.346	.1537	12.68	4.140
#1	.6778	.0016	.0236	-.0023	13.30	.0056	.0167
#2	.6591	.0017	.0240	-.0025	13.33	.0046	.0177

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75431.**	**18484.**	**1934.0**	**3615.5**
Stddev	240.	177.	.0	1.0
%RSD	.31760	.95581	.00040	.02744
#1	75261.	18360.	1934.0	3614.8
#2	75600.	18609.	1934.0	3616.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 18:38:02 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.963**	**1.951**	**2.014**	**2.010**	**2.001**	**1.927**	**1.997**	**2.028**	**.2381**
Stddev	.041	.038	.021	.017	.003	.007	.000	.015	.0004
%RSD	2.085	1.953	1.028	.8447	.1489	.3558	.0021	.7593	.1875
#1	1.992	1.978	2.000	1.998	1.999	1.923	1.997	2.017	.2385
#2	1.934	1.924	2.029	2.022	2.003	1.932	1.997	2.039	.2378
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**	**2.050**	**2.005**	**2.062**	**2.041**	**2.020**	**2.012**	**38.86**	**38.72**
Stddev	.001	.012	.023	.012	.018	.022	.020	.74	.79
%RSD	.0644	.5999	1.150	.5844	.9030	1.083	.9701	1.913	2.050
#1	1.967	2.041	1.988	2.053	2.028	2.004	1.998	39.39	39.28
#2	1.969	2.059	2.021	2.070	2.054	2.035	2.025	38.34	38.16
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	**37.90**	**37.33**	**37.97**	**37.10**	**2.039**	**2.030**	**1.951**	**5.004**	**2.057**
Stddev	.64	.70	.90	.72	.018	.016	.007	.040	.014
%RSD	1.680	1.878	2.365	1.940	.8753	.7715	.3839	.8070	.6733
#1	38.35	37.82	38.61	37.61	2.026	2.019	1.946	4.975	2.047
#2	37.45	36.83	37.34	36.59	2.051	2.041	1.957	5.032	2.067
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: 6/10/2014 18:38:02 Type: QC
Method: Accutest 2(v79) 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	**2.008**	**1.964**	**1.981**	**1.993**	**1.963**	**2.020**	**1.915**
Stddev	.039	.005	.007	.004	.020	.016	.043
%RSD	1.951	.2558	.3357	.2168	1.034	.8116	2.237
#1	2.036	1.960	1.977	1.990	1.949	2.008	1.945
#2	1.980	1.967	1.986	1.996	1.978	2.031	1.885
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	**82226.**	**18150.**	**2080.8**	**4178.8**
Stddev	93.	265.	9.9	19.0
%RSD	.11314	1.4627	.47651	.45509
#1	82160.	17963.	2087.8	4192.3
#2	82292.	18338.	2073.8	4165.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 18:40:58 Type: QC
Method: Accutest 2(v79) Mode: 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**	**.0000**	**-.0002**	**.0002**	**-.0004**	**.0001**	**-.0000**	**.0002**
Stddev	.0000	.0000	.0005	.0000	.0004	.0005	.0000	.0003	.0001
%RSD	376.3	1488.	1565.	10.73	220.7	123.3	42.11	2148.	58.06
#1	-.0000	.0000	.0004	-.0002	-.0001	-.0001	.0001	.0002	.0001
#2	.0000	-.0000	-.0003	-.0002	.0005	-.0008	.0001	-.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	**.0002**	**.0003**	**.0012**	**.0005**	**.0005**	**-.0018**	**-.0004**	**-.0020**	**.0007**
Stddev	.0003	.0000	.0013	.0007	.0002	.0018	.0000	.0018	.0036
%RSD	169.2	6.317	107.4	129.4	47.62	99.64	9.502	93.49	507.3
#1	-.0000	.0003	.0003	.0010	.0006	-.0005	-.0005	-.0007	.0033
#2	.0004	.0003	.0021	.0000	.0003	-.0030	-.0004	-.0033	-.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0057**	**-.0291**	**-.0018**	**.1867**	**.0007**	**.0012**	**-.0018**	**.0029**	**.0007**
Stddev	.0014	.0054	.0349	.0021	.0002	.0002	.0000	.0000	.0002
%RSD	23.84	18.46	1965.	1.138	23.94	16.47	1.564	.2038	26.13
#1	.0067	-.0253	-.0264	.1882	.0006	.0011	-.0018	.0029	.0008
#2	.0048	-.0329	.0229	.1852	.0008	.0014	-.0018	.0029	.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: 6/10/2014 18:40:58 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0003**	F **.0329**	F **.0010**	**.0006**	**-.0016**	**-.0027**
Stddev	.0001	.0002	.0042	.0001	.0014	.0008	.0006
%RSD	64.49	96.24	12.72	6.829	228.9	48.00	22.66
#1	.0002	-.0001	.0300	.0011	-.0004	-.0011	-.0023
#2	.0001	-.0004	.0359	.0010	.0016	-.0022	-.0032
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050	.0010			
Low Limit			-.0050	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87083.**	**18334.**	**2181.4**	**4715.6**
Stddev	364.	427.	8.1	10.8
%RSD	.41853	2.3310	.37261	.22881
#1	86825.	18032.	2175.7	4708.0
#2	87341.	18636.	2187.2	4723.3

Zoom In Zoom Out

Sample Name: mp79927-s2 Acquired: 6/10/2014 18:44:10 Type: Unk
Method: Accutest 2(v79) Mode: 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	**2.415**	**.0487**	**.0643**	**.5377**	**.2148**	**.3035**	**2.863**	**.5534**	**.0543**
Stddev	.023	.0005	.0000	.0013	.0003	.0002	.014	.0005	.0004
%RSD	.9578	.9796	.0144	.2339	.1347	.0705	.4763	.0835	.6882
#1	2.398	.0484	.0643	.5385	.2146	.3034	2.854	.5531	.0541
#2	2.431	.0491	.0643	.5368	.2150	.3037	2.873	.5537	.0546

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4960**	**1.650**	**2.224**	**2.023**	**2.173**	**2.382**	**.5354**	**3.068**	**222.4**
Stddev	.0025	.005	.006	.001	.000	.012	.0006	.037	1.7
%RSD	.4991	.3317	.2878	.0554	.0030	.4833	.1174	1.204	.7558
#1	.4942	1.653	2.220	2.024	2.173	2.374	.5359	3.042	221.2
#2	.4977	1.646	2.229	2.023	2.173	2.390	.5350	3.094	223.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.623**	**19.21**	**5.696**	**908.6**	**.2113**	**.0016**	**.0054**	**12.61**	**-.0008**
Stddev	.016	.01	.114	12.7	.0014	.0001	.0015	.00	.0006
%RSD	.9755	.0582	1.994	1.400	.6477	9.279	27.00	.0181	80.61
#1	1.611	19.22	5.616	917.6	.2103	.0015	.0044	12.61	-.0013
#2	1.634	19.20	5.776	899.6	.2123	.0017	.0064	12.61	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6798**	**.0014**	**.0398**	**-.0016**	**13.58**	**.0033**	**.0176**
Stddev	.0076	.0006	.0010	.0001	.00	.0003	.0006
%RSD	1.121	43.36	2.613	7.760	.0119	9.142	3.491
#1	.6745	.0018	.0391	-.0017	13.58	.0035	.0172
#2	.6852	.0010	.0406	-.0016	13.58	.0031	.0181

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75053.**	**18408.**	**1929.8**	**3608.8**
Stddev	60.	47.	.3	1.1
%RSD	.08042	.25555	.01742	.02995
#1	75096.	18375.	1929.6	3609.6
#2	75010.	18441.	1930.0	3608.1

Zoom In Zoom Out

Sample Name: jb68737-1a Acquired: 6/10/2014 18:47:14 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4397**	**.0003**	**.0056**	**.0178**	**.0128**	**.0582**	**2.346**	**.0252**	**.0010**
Stddev	.0012	.0001	.0002	.0000	.0001	.0004	.011	.0006	.0004
%RSD	.2785	22.23	3.435	.1483	1.047	.6109	.4817	2.179	35.16
#1	.4406	.0003	.0058	.0178	.0127	.0579	2.338	.0249	.0008
#2	.4389	.0002	.0055	.0177	.0129	.0584	2.354	.0256	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**1.143**	**.0040**	**.0049**	**.0936**	**.0047**	**.0058**	**1.060**	**220.7**
Stddev	.0002	.022	.0022	.0010	.0013	.0023	.0001	.012	.1
%RSD	4.841	1.948	55.79	20.65	1.436	49.61	1.687	1.114	.0471
#1	.0040	1.128	.0024	.0057	.0926	.0063	.0059	1.052	220.8
#2	.0037	1.159	.0055	.0042	.0945	.0030	.0057	1.069	220.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6346**	**19.10**	**5.674**	**856.5**	**.2104**	**.0014**	**.0042**	**12.60**	**-.0017**
Stddev	.0013	.02	.029	25.7	.0046	.0001	.0015	.26	.0006
%RSD	.1974	.0968	.5041	2.999	2.190	7.559	36.75	2.059	34.88
#1	.6355	19.09	5.694	874.7	.2072	.0014	.0031	12.41	-.0021
#2	.6338	19.11	5.654	838.4	.2137	.0015	.0052	12.78	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6716**	**.0019**	**.0261**	**-.0018**	**13.65**	**.0033**	**.0174**
Stddev	.0011	.0001	.0021	.0004	.27	.0014	.0014
%RSD	.1628	3.696	7.883	21.53	1.978	41.16	8.053
#1	.6708	.0019	.0246	-.0021	13.46	.0043	.0183
#2	.6724	.0020	.0275	-.0015	13.84	.0024	.0164

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74753.**	**18325.**	**1895.0**	**3543.8**
Stddev	533.	16.	39.7	65.8
%RSD	.71235	.08641	2.0953	1.8562
#1	75130.	18336.	1923.1	3590.3
#2	74377.	18314.	1867.0	3497.3

Zoom In Zoom Out

Sample Name: mp79927-sd1 Acquired: 6/10/2014 18:50:27 Type: Unk
Method: Accutest 2(v79) 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	**.4654**	**-.0002**	**.0053**	**.0176**	**.0132**	**.0621**	**2.373**	**.0231**	**.0010**
Stddev	.0334	.0003	.0010	.0002	.0002	.0037	.005	.0003	.0039
%RSD	7.176	164.4	19.70	1.303	1.679	5.963	.2137	1.494	394.1
#1	.4418	.0000	.0061	.0178	.0133	.0647	2.369	.0229	.0037
#2	.4890	-.0005	.0046	.0174	.0130	.0595	2.376	.0234	-.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**1.160**	**-.0052**	**.0149**	**.0943**	**-.0009**	**.0054**	**1.090**	**236.5**
Stddev	.0002	.016	.0009	.0016	.0004	.0142	.0048	.040	16.1
%RSD	3.533	1.368	17.04	10.55	.4576	1508.	87.94	3.639	6.810
#1	.0046	1.171	-.0046	.0160	.0946	-.0110	.0020	1.062	225.1
#2	.0048	1.149	-.0058	.0138	.0940	.0091	.0088	1.118	247.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.7032**	**20.73**	**5.820**	**1074.**	**.2139**	**.0021**	**.0015**	**12.28**	**.0009**
Stddev	.0514	1.76	.393	47.	.0017	.0004	.0013	.10	.0060
%RSD	7.312	8.510	6.759	4.340	.7719	17.77	85.96	.8406	707.9
#1	.6669	19.49	5.542	1041.	.2151	.0019	.0025	12.35	.0051
#2	.7396	21.98	6.099	1107.	.2127	.0024	.0006	12.20	-.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7030**	**.0006**	**.0426**	**-.0020**	**12.81**	**-.0036**	**.0153**
Stddev	.0496	.0002	.0013	.0011	.15	.0032	.0075
%RSD	7.054	26.89	3.059	54.44	1.142	88.16	48.93
#1	.6679	.0005	.0417	-.0027	12.91	-.0058	.0100
#2	.7380	.0007	.0435	-.0012	12.70	-.0013	.0206

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80459.**	**17473.**	**2075.8**	**4097.8**
Stddev	99.	993.	8.0	17.2
%RSD	.12309	5.6835	.38688	.41917
#1	80389.	18175.	2070.1	4085.7
#2	80529.	16771.	2081.5	4110.0

Zoom In Zoom Out

Sample Name: jb68334-1a Acquired: 6/10/2014 18:53:40 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.5708**	**-.0001**	**.0168**	**.0091**	**.0025**	**.0249**	**1.641**	**.0247**	**.0006**
Stddev	.0073	.0001	.0006	.0002	.0005	.0004	.008	.0000	.0004
%RSD	1.273	63.89	3.486	2.060	21.55	1.770	.4889	.1346	74.89
#1	.5656	-.0002	.0173	.0090	.0028	.0246	1.635	.0247	.0003
#2	.5759	-.0001	.0164	.0093	.0021	.0253	1.647	.0247	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0023**	**1.540**	**-.0018**	**.0021**	**.1349**	**.0012**	**.0062**	**.1750**	**265.3**
Stddev	.0004	.014	.0002	.0007	.0029	.0014	.0016	.0149	3.2
%RSD	16.20	.9194	8.796	33.70	2.144	114.9	25.89	8.537	1.213
#1	.0026	1.550	-.0017	.0016	.1370	.0002	.0051	.1855	263.0
#2	.0020	1.530	-.0019	.0027	.1329	.0022	.0074	.1644	267.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0250**	**42.88**	**6.941**	**936.1**	**.2028**	**-.0000**	**.0066**	**5.629**	**-.0009**
Stddev	.0016	.63	.101	7.9	.0009	.0000	.0018	.044	.0004
%RSD	6.276	1.476	1.459	.8475	.4320	5.122	27.09	.7741	46.99
#1	.0239	42.43	6.869	941.7	.2034	-.0000	.0053	5.659	-.0006
#2	.0262	43.33	7.013	930.5	.2022	-.0000	.0078	5.598	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.355**	**.0007**	**.0169**	**-.0009**	**1.654**	**.0056**	**.0129**
Stddev	.018	.0001	.0018	.0003	.013	.0023	.0011
%RSD	1.294	16.86	10.38	33.00	.7571	40.58	8.267
#1	1.343	.0006	.0157	-.0011	1.663	.0040	.0136
#2	1.368	.0007	.0181	-.0007	1.646	.0072	.0121

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73792.**	**18098.**	**1890.2**	**3544.7**
Stddev	392.	58.	7.4	19.0
%RSD	.53132	.32197	.39217	.53580
#1	74070.	18139.	1885.0	3531.2
#2	73515.	18056.	1895.5	3558.1

Zoom In Zoom Out

Sample Name: jb68343-2 Acquired: 6/10/2014 18:56:52 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.245**	**-.0000**	**.0021**	**.0162**	**.0031**	**.0085**	**7.692**	**.0225**	**.0035**
Stddev	.009	.0000	.0001	.0001	.0000	.0004	.006	.0000	.0005
%RSD	.7442	100.5	2.580	.4929	1.073	4.804	.0807	.0980	13.28
#1	1.239	-.0000	.0022	.0161	.0031	.0082	7.687	.0225	.0032
#2	1.252	-.0000	.0021	.0162	.0031	.0087	7.696	.0225	.0038

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0418**	**.0007**	**.0064**	**.0035**	**.0031**	**.0001**	**.1635**	**394.2**
Stddev	.0003	.0002	.0041	.0009	.0006	.0001	.0025	.0100	2.8
%RSD	7.240	.4878	570.7	13.80	16.05	1.703	2338.	6.091	.6980
#1	.0050	.0419	-.0022	.0070	.0031	.0032	-.0016	.1565	392.2
#2	.0045	.0416	.0037	.0058	.0039	.0031	.0019	.1706	396.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0018**	**23.43**	**5.160**	**872.4**	**.1604**	**-.0001**	**.0112**	**7.441**	**-.0002**
Stddev	.0019	.11	.078	.8	.0008	.0000	.0022	.036	.0004
%RSD	107.4	.4569	1.511	.0974	.5084	70.12	19.62	.4846	196.6
#1	.0004	23.35	5.105	873.0	.1610	-.0001	.0097	7.466	.0001
#2	.0032	23.50	5.216	871.8	.1598	-.0000	.0128	7.415	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9152**	**.0003**	**.0141**	**-.0013**	**2.924**	**.0083**	**.0156**
Stddev	.0054	.0010	.0008	.0001	.021	.0004	.0008
%RSD	.5908	328.9	5.962	8.879	.7264	5.164	5.227
#1	.9113	-.0004	.0135	-.0014	2.939	.0086	.0162
#2	.9190	.0010	.0146	-.0012	2.909	.0080	.0150

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73868.**	**18439.**	**1908.9**	**3546.2**
Stddev	337.	171.	.0	2.9
%RSD	.45557	.92499	.00067	.08041
#1	73630.	18560.	1909.0	3544.2
#2	74106.	18319.	1908.9	3548.2

Zoom In Zoom Out

Sample Name: jb68350-1a Acquired: 6/10/2014 19:00:18 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4588**	**.0001**	**.0043**	**.0274**	**.0030**	**.0655**	**2.277**	**.0207**	**.0003**
Stddev	.0015	.0001	.0002	.0008	.0007	.0009	.024	.0002	.0001
%RSD	.3211	46.78	4.222	2.946	23.40	1.394	1.068	.8517	22.97
#1	.4577	.0002	.0042	.0280	.0025	.0649	2.260	.0209	.0002
#2	.4598	.0001	.0044	.0269	.0035	.0662	2.295	.0206	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**.3429**	**.0354**	**.0007**	**.1546**	**.0004**	**.0014**	**.2657**	**67.48**
Stddev	.0000	.0016	.0006	.0011	.0006	.0008	.0010	.0013	.04
%RSD	.0263	.4604	1.703	159.8	.3931	196.3	68.78	.4812	.0541
#1	.0061	.3441	.0350	.0015	.1550	-.0002	.0007	.2666	67.45
#2	.0061	.3418	.0358	-.0001	.1542	.0010	.0021	.2648	67.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2758**	**16.02**	**4.191**	**911.1**	**.2295**	**.0004**	**.0024**	**2.203**	**-.0008**
Stddev	.0013	.04	.007	13.9	.0002	.0001	.0011	.002	.0007
%RSD	.4596	.2794	.1689	1.522	.1056	21.29	45.77	.1102	85.55
#1	.2749	16.05	4.196	920.9	.2297	.0003	.0032	2.205	-.0013
#2	.2767	15.99	4.186	901.3	.2293	.0005	.0016	2.202	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2621**	**.0024**	**.0060**	**-.0004**	**1.195**	**-.0019**	**.0009**
Stddev	.0015	.0004	.0008	.0001	.001	.0001	.0005
%RSD	.5653	16.78	13.22	24.84	.0438	3.261	49.25
#1	.2610	.0021	.0055	-.0005	1.196	-.0019	.0006
#2	.2631	.0026	.0066	-.0004	1.195	-.0020	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74544.**	**18107.**	**1940.6**	**3639.1**
Stddev	1000.	168.	5.0	8.9
%RSD	1.3411	.92735	.25920	.24542
#1	75251.	17988.	1937.1	3632.7
#2	73837.	18225.	1944.2	3645.4

Zoom In Zoom Out

Sample Name: jb68350-2a Acquired: 6/10/2014 19:03:32 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.3938**	**-.0000**	**.0035**	**.0187**	**.0023**	**.0267**	**2.005**	**.0325**	**.0009**
Stddev	.0007	.0001	.0000	.0003	.0000	.0002	.019	.0002	.0001
%RSD	.1852	180.4	.5588	1.415	1.713	.8734	.9458	.5855	7.709
#1	.3933	-.0001	.0035	.0185	.0023	.0265	1.992	.0324	.0009
#2	.3943	.0000	.0035	.0189	.0024	.0269	2.019	.0327	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0020**	**.3181**	**.0003**	**.0004**	**.1270**	**-.0003**	**.0013**	**.1265**	**290.6**
Stddev	.0002	.0001	.0012	.0009	.0007	.0005	.0008	.0017	.2
%RSD	11.98	.0370	355.9	211.3	.5419	168.8	58.77	1.329	.0822
#1	.0019	.3182	-.0005	.0011	.1265	.0001	.0008	.1253	290.5
#2	.0022	.3181	.0012	-.0002	.1275	-.0006	.0019	.1277	290.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1718**	**45.16**	**3.391**	**892.5**	**.1852**	**-.0003**	**.0071**	**1.435**	**-.0007**
Stddev	.0003	.16	.025	15.9	.0006	.0000	.0023	.003	.0009
%RSD	.2035	.3507	.7320	1.779	.3396	14.50	32.05	.2306	133.6
#1	.1720	45.04	3.374	903.7	.1847	-.0003	.0055	1.433	-.0000
#2	.1715	45.27	3.409	881.3	.1856	-.0002	.0088	1.437	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4724**	**.0002**	**.0080**	**-.0002**	**1.227**	**.0053**	**.0072**
Stddev	.0014	.0003	.0006	.0000	.004	.0011	.0003
%RSD	.2995	129.5	7.188	3.395	.3675	20.15	4.338
#1	.4714	.0000	.0076	-.0002	1.223	.0046	.0074
#2	.4734	.0004	.0084	-.0002	1.230	.0061	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74263.**	**17997.**	**1881.6**	**3532.9**
Stddev	335.	2.	7.9	12.4
%RSD	.45043	.00917	.42179	.34996
#1	74499.	17998.	1887.2	3541.6
#2	74026.	17995.	1876.0	3524.1

Zoom In Zoom Out

Sample Name: jb68364-1a Acquired: 6/10/2014 19:06:45 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4888**	**.0009**	**.0008**	**.0311**	**.0031**	**.0099**	**2.156**	**.0583**	**.0005**
Stddev	.0013	.0000	.0001	.0003	.0001	.0003	.009	.0000	.0003
%RSD	.2653	1.722	7.613	.8291	2.055	2.663	.3941	.0315	69.17
#1	.4879	.0009	.0009	.0313	.0031	.0097	2.162	.0582	.0002
#2	.4898	.0009	.0008	.0309	.0030	.0100	2.150	.0583	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0025**	**.0848**	**.0040**	**.0046**	**17.67**	**.0029**	**-.0002**	**.3050**	**26.21**
Stddev	.0002	.0003	.0015	.0013	.10	.0032	.0002	.0093	.03
%RSD	8.869	.3389	38.36	28.65	.5875	109.4	117.6	3.058	.1044
#1	.0027	.0850	.0029	.0055	17.75	.0007	-.0000	.2984	26.19
#2	.0023	.0846	.0051	.0037	17.60	.0051	-.0004	.3116	26.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**15.49**	**3.083**	**2.296**	**858.6**	**.1682**	**.0004**	**.0005**	**1.432**	**.0007**
Stddev	.02	.001	.018	12.1	.0004	.0001	.0003	.007	.0004
%RSD	.1487	.0219	.7965	1.412	.2442	28.75	65.81	.4863	52.03
#1	15.51	3.082	2.283	867.1	.1679	.0003	.0007	1.437	.0009
#2	15.47	3.083	2.309	850.0	.1684	.0005	.0002	1.427	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1147**	**.0035**	**.0031**	**-.0003**	**1.215**	**.0011**	**.0030**
Stddev	.0003	.0009	.0020	.0002	.002	.0001	.0011
%RSD	.3046	24.54	62.81	90.61	.1802	9.031	36.17
#1	.1145	.0042	.0017	-.0001	1.217	.0010	.0038
#2	.1150	.0029	.0045	-.0004	1.213	.0012	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75783.**	**18338.**	**1973.7**	**3713.8**
Stddev	24.	43.	7.5	11.2
%RSD	.03116	.23610	.37963	.30143
#1	75766.	18307.	1968.4	3705.9
#2	75799.	18368.	1979.0	3721.8

Zoom In Zoom Out

Sample Name: jb68364-2a Acquired: 6/10/2014 19:09:58 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.9339**	**.0008**	**.0006**	**.0362**	**.0029**	**.0124**	**2.278**	**.0361**	**.0009**
Stddev	.0011	.0000	.0000	.0003	.0001	.0012	.010	.0002	.0002
%RSD	.1204	.8957	3.029	.9480	4.540	9.308	.4452	.4524	17.65
#1	.9347	.0008	.0006	.0364	.0030	.0132	2.271	.0362	.0010
#2	.9331	.0008	.0006	.0360	.0029	.0116	2.285	.0360	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0032**	**.0392**	**.0023**	**.0035**	**.0545**	**.0039**	**-.0011**	**.5671**	**20.58**
Stddev	.0000	.0003	.0001	.0000	.0020	.0003	.0001	.0091	.02
%RSD	.9406	.6527	4.402	1.426	3.601	7.384	7.088	1.598	.0942
#1	.0032	.0393	.0022	.0035	.0558	.0037	-.0011	.5735	20.59
#2	.0031	.0390	.0023	.0035	.0531	.0041	-.0010	.5607	20.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.53**	**4.161**	**3.180**	**867.4**	**.1765**	**.0003**	**.0023**	**2.531**	**-.0004**
Stddev	.04	.030	.006	3.0	.0009	.0001	.0013	.008	.0002
%RSD	.1616	.7301	.1782	.3510	.4856	37.19	56.84	.3002	66.62
#1	22.50	4.140	3.176	869.6	.1759	.0002	.0014	2.525	-.0002
#2	22.55	4.183	3.184	865.3	.1771	.0003	.0032	2.536	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1234**	**.0116**	**.0045**	**-.0005**	**.9666**	**.0007**	**.0045**
Stddev	.0001	.0009	.0004	.0003	.0013	.0009	.0002
%RSD	.0661	8.105	9.195	53.05	.1337	119.1	3.816
#1	.1234	.0123	.0042	-.0006	.9675	.0001	.0044
#2	.1235	.0109	.0048	-.0003	.9657	.0013	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75770.**	**18353.**	**1967.9**	**3697.7**
Stddev	83.	45.	1.1	.2
%RSD	.11007	.24764	.05827	.00652
#1	75829.	18321.	1967.1	3697.8
#2	75711.	18385.	1968.7	3697.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:13:13 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.956**	**1.913**	**1.989**	**1.988**	**1.973**	**1.906**	**1.977**	**2.008**	**.2358**
Stddev	.030	.027	.014	.009	.005	.015	.011	.005	.0008
%RSD	1.536	1.412	.6879	.4657	.2559	.7871	.5680	.2342	.3200
#1	1.978	1.932	1.979	1.981	1.977	1.917	1.985	2.005	.2363
#2	1.935	1.894	1.998	1.994	1.969	1.896	1.969	2.011	.2352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.948**	**2.025**	**1.977**	**2.045**	**2.023**	**1.985**	**1.991**	**38.69**	**37.99**
Stddev	.010	.003	.011	.004	.009	.011	.014	.55	.56
%RSD	.4988	.1607	.5732	.1735	.4579	.5436	.7087	1.424	1.465
#1	1.954	2.023	1.969	2.042	2.016	1.978	1.981	39.08	38.38
#2	1.941	2.028	1.985	2.047	2.029	1.993	2.001	38.30	37.59
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	**37.04**	**36.62**	**37.73**	**36.90**	**2.015**	**2.008**	**1.931**	**4.943**	**2.034**
Stddev	.49	.51	.71	.52	.015	.007	.009	.028	.007
%RSD	1.322	1.396	1.887	1.419	.7277	.3424	.4392	.5640	.3359
#1	37.39	36.98	38.23	37.27	2.004	2.003	1.937	4.923	2.029
#2	36.69	36.26	37.22	36.53	2.025	2.013	1.925	4.963	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: 6/10/2014 19:13:13 Type: QC
Method: Accutest 2(v79) 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**	**1.948**	**1.963**	**1.974**	**1.942**	**1.997**	**1.902**
Stddev	.030	.013	.007	.014	.013	.013	.031
%RSD	1.493	.6738	.3608	.7004	.6903	.6581	1.653
#1	2.015	1.957	1.968	1.984	1.932	1.988	1.924
#2	1.973	1.938	1.958	1.964	1.951	2.007	1.879
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	**83016.**	**18290.**	**2109.9**	**4228.7**
Stddev	128.	182.	6.5	10.7
%RSD	.15416	.99705	.30954	.25223
#1	82925.	18161.	2114.5	4236.3
#2	83106.	18419.	2105.2	4221.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 19:16:09 Type: QC
Method: Accutest 2(v79) Mode: 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**	**.0001**	**.0000**	**-.0002**	**-.0002**	**-.0001**	**.0000**	**-.0001**	**-.0002**
Stddev	.0005	.0001	.0002	.0001	.0000	.0004	.0001	.0000	.0000
%RSD	1942.	166.7	2844.	72.04	20.01	304.7	237.9	.9414	11.84
#1	.0003	.0002	-.0001	-.0001	-.0002	.0001	-.0000	-.0001	-.0002
#2	-.0004	-.0000	.0002	-.0003	-.0002	-.0004	.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	**-.0000**	**.0004**	**.0016**	**.0000**	**-.0003**	**-.0009**	**.0001**	**.0074**	**.0001**
Stddev	.0001	.0002	.0012	.0014	.0002	.0026	.0005	.0051	.0055
%RSD	526.1	48.88	73.79	8767.	68.77	280.6	605.2	69.23	9749.
#1	-.0001	.0005	.0008	-.0010	-.0002	.0009	.0005	.0110	-.0039
#2	.0001	.0002	.0024	.0010	-.0005	-.0028	-.0003	.0038	.0040
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**	**-.0041**	**.0125**	**.1887**	**.0018**	**.0011**	**-.0019**	**.0001**	**.0003**
Stddev	.0030	.0383	.0416	.0073	.0004	.0002	.0004	.0015	.0000
%RSD	49.96	929.5	333.8	3.879	21.10	17.39	22.64	1425.	7.486
#1	.0082	.0229	-.0170	.1939	.0021	.0010	-.0022	.0012	.0003
#2	.0039	-.0312	.0419	.1835	.0016	.0012	-.0016	-.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: 6/10/2014 19:16:09 Type: QC
Method: Accutest 2(v79) 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**	**F .0315**	**.0008**	**-.0024**	**-.0014**	**-.0005**
Stddev	.0001	.0001	.0051	.0000	.0007	.0002	.0001
%RSD	84.49	30.05	16.15	3.087	30.47	12.08	15.20
#1	.0003	.0003	.0279	.0008	-.0019	-.0015	-.0005
#2	.0001	.0002	.0351	.0007	-.0029	-.0013	-.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050				
Low Limit			-.0050				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86825.**	**18432.**	**2190.1**	**4734.5**
Stddev	437.	178.	2.5	5.7
%RSD	.50341	.96364	.11459	.12130
#1	87134.	18306.	2188.4	4730.4
#2	86516.	18557.	2191.9	4738.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 19:19:21 Type: QC
Method: Accutest 2(v79) Mode: 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	**.2003**	**.0018**	**.0035**	**.0503**	**.0101**	**.0092**	**.0154**	**.0099**	**.0048**
Stddev	.0028	.0000	.0001	.0008	.0003	.0000	.0001	.0003	.0003
%RSD	1.378	2.548	4.023	1.507	2.997	.1805	.7026	3.402	6.290
#1	.2022	.0019	.0036	.0497	.0104	.0092	.0153	.0101	.0050
#2	.1983	.0018	.0034	.0508	.0099	.0092	.0155	.0096	.0045
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	**.0502**	**.0221**	**.0082**	**.0090**	**.0035**	**.0114**	**.0047**	**.2090**	**4.846**
Stddev	.0002	.0000	.0005	.0013	.0006	.0003	.0002	.0153	.071
%RSD	.3488	.0121	6.303	14.58	17.98	2.994	4.296	7.312	1.470
#1	.0500	.0221	.0078	.0099	.0030	.0112	.0046	.2199	4.896
#2	.0503	.0221	.0085	.0081	.0039	.0117	.0049	.1982	4.795
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	**.1017**	**4.798**	**4.894**	**4.919**	**.1055**	**.0210**	**.0520**	**.2072**	**.0108**
Stddev	.0017	.074	.093	.072	.0006	.0001	.0004	.0007	.0006
%RSD	1.691	1.533	1.892	1.456	.6029	.3482	.7414	.3449	5.365
#1	.1029	4.850	4.959	4.969	.1051	.0211	.0523	.2067	.0112
#2	.1004	4.746	4.828	4.868	.1060	.0210	.0517	.2077	.0104
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: 6/10/2014 19:19:21 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0099**	**.0647**	**.0100**	**.0467**	**.0174**	**.0196**
Stddev	.0002	.0000	.0014	.0002	.0001	.0012	.0001
%RSD	2.094	.4907	2.195	1.503	.1423	6.738	.4225
#1	.0106	.0099	.0637	.0099	.0467	.0182	.0197
#2	.0103	.0098	.0657	.0101	.0466	.0166	.0196
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	**86345.**	**18597.**	**2160.6**	**4593.3**
Stddev	155.	430.	1.4	3.4
%RSD	.18008	2.3101	.06443	.07414
#1	86455.	18293.	2161.6	4595.7
#2	86235.	18900.	2159.6	4590.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 19:22:30 Type: QC
Method: Accutest 2(v79) 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	**.0039**	**.0008**	**.0010**	**.0033**	**.0015**	**.0015**	**.0031**	**.0040**
Stddev	.0002	.0000	.0000	.0001	.0001	.0009	.0000	.0002
%RSD	4.099	2.063	2.988	4.376	3.658	60.27	1.388	6.039
#1	.0040	.0008	.0010	.0034	.0016	.0021	.0031	.0039
#2	.0037	.0009	.0011	.0032	.0015	.0008	.0031	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0019**	**.0113**	**.0024**	F **.0013**	**.0028**	F **.0029**	F **.0010**
Stddev	.0005	.0005	.0001	.0004	.0014	.0007	.0003	.0004
%RSD	76.33	24.72	.6009	17.09	106.3	26.75	9.891	39.24
#1	.0003	.0016	.0114	.0022	.0023	.0022	.0027	.0007
#2	.0010	.0023	.0113	.0027	.0003	.0033	.0031	.0012
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	.0010				.0020		.0050	.0030
Range	-30.00%				-30.00%		-30.00%	-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1044**	**.9967**	**.0054**	**.0920**	**2.008**	**1.123**	**.0111**	**.0001**
Stddev	.0050	.0183	.0026	.0010	.024	.018	.0012	.0002
%RSD	4.835	1.832	48.56	1.105	1.204	1.588	10.94	358.7
#1	.1008	1.010	.0072	.0927	2.025	1.136	.0102	.0002
#2	.1079	.9838	.0035	.0913	1.991	1.111	.0119	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 19:22:30 Type: QC
Method: Accutest 2(v79) 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	**-.0010**	**-.0028**	**.0004**	**.0001**	**-.0000**	F **.0073**	F **.0002**	F **-.0015**
Stddev	.0004	.0002	.0007	.0001	.0002	.0012	.0002	.0016
%RSD	40.54	5.964	150.7	83.49	346.8	17.08	70.20	106.6
#1	-.0007	-.0029	-.0000	.0000	.0001	.0064	.0001	-.0026
#2	-.0012	-.0027	.0009	.0001	-.0002	.0082	.0004	-.0004
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 **-.0001**	F **-.0021**
Stddev	.0013	.0002
%RSD	1457.	11.58
#1	.0009	-.0019
#2	-.0010	-.0023
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	**86682.**	**18367.**	**2179.1**	**4693.5**
Stddev	67.	368.	4.0	8.2
%RSD	.07673	2.0056	.18259	.17481
#1	86729.	18106.	2176.3	4687.7
#2	86635.	18627.	2182.0	4699.3

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 19:25:41 Type: QC
Method: Accutest 2(v79) Mode: 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**	**-.0008**	**-.0004**	**-.0000**	**.0001**	**-.0005**
Stddev	.0001	.0001	.0001	.0002	.0003	.0004	.0001	.0001	.0002
%RSD	33.18	457.6	47.26	648.8	35.93	108.7	229.3	87.62	35.47
#1	-.0002	-.0001	.0003	-.0001	-.0006	-.0001	-.0001	.0002	-.0006
#2	-.0001	.0001	.0002	.0002	-.0010	-.0007	.0000	.0000	-.0004
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**	**.0001**	**.0201**	**.0008**	**.0201**	**.0192**	**.0192**	**.4865**	**-.0057**
Stddev	.0001	.0001	.0015	.0008	.0006	.0003	.0000	.0100	.0004
%RSD	34.12	128.5	7.528	109.4	3.067	1.491	.1136	2.049	6.872
#1	.0004	.0002	.0191	.0002	.0196	.0190	.0192	.4936	-.0059
#2	.0002	.0000	.0212	.0014	.0205	.0194	.0192	.4795	-.0054
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	**.4815**	**.0180**	**-.0291**	**.1137**	**.0009**	**.0001**	**-.0022**	**.0013**	**.0006**
Stddev	.0112	.0152	.0093	.0065	.0001	.0002	.0010	.0008	.0005
%RSD	2.318	84.56	32.12	5.756	11.88	326.2	44.86	59.86	92.03
#1	.4894	.0072	-.0225	.1183	.0009	.0002	-.0029	.0019	.0009
#2	.4736	.0287	-.0357	.1091	.0010	-.0001	-.0015	.0008	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 19:25:41 Type: QC
Method: Accutest 2(v79) 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**	**.0064**	**.0001**	**-.0015**	**-.0025**	**-.0030**
Stddev	.0000	.0007	.0002	.0002	.0007	.0003	.0005
%RSD	95.42	222.7	2.653	296.6	44.51	12.37	18.15
#1	.0001	-.0009	.0063	-.0001	-.0020	-.0027	-.0026
#2	.0000	.0002	.0065	.0002	-.0011	-.0023	-.0034
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	**86712.**	**18401.**	**2179.8**	**4700.9**
Stddev	412.	240.	2.7	6.1
%RSD	.47569	1.3061	.12456	.12953
#1	87004.	18231.	2181.7	4705.2
#2	86421.	18571.	2177.9	4696.6

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 19:28:53 Type: QC
Method: Accutest 2(v79) Mode: 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	**-.0015**	**-.0002**	**.0017**	**-.0002**	**.0005**	**-.0030**	**.0001**	**.0012**	**-.0068**
Stddev	.0000	.0001	.0002	.0006	.0001	.0002	.0003	.0003	.0013
%RSD	3.117	31.85	12.68	280.2	25.69	6.316	219.1	21.68	19.20
#1	-.0015	-.0001	.0018	-.0007	.0006	-.0031	-.0001	.0010	-.0078
#2	-.0015	-.0002	.0015	.0002	.0004	-.0028	.0003	.0014	-.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**-.0010**	**.0039**	F **.0043**	**-.0001**	**.0057**	**.0039**	**491.7**	**361.3**
Stddev	.0001	.0007	.0031	.0024	.0025	.0022	.0011	9.0	6.7
%RSD	9.635	68.97	81.04	55.74	4533.	39.24	28.73	1.821	1.854
#1	.0010	-.0005	.0017	.0026	.0017	.0072	.0047	485.4	356.6
#2	.0009	-.0016	.0061	.0060	-.0018	.0041	.0031	498.1	366.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0040					
Low Limit				-.0040					

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.3**	**462.1**	**.1685**	**.1327**	**-.0029**	**-.0010**	**.0192**	**-.0196**	**-.0016**
Stddev	2.0	2.8	.0313	.0054	.0005	.0003	.0005	.0006	.0023
%RSD	1.188	.6013	18.57	4.041	19.11	27.43	2.361	3.220	142.7
#1	169.8	460.1	.1463	.1365	-.0032	-.0012	.0196	-.0200	.0000
#2	172.7	464.0	.1906	.1289	-.0025	-.0008	.0189	-.0191	-.0032
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: 6/10/2014 19:28:53 Type: QC
Method: Accutest 2(v79) 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	**-.0048**	**.0003**	**.0073**	**-.0009**	**-.0116**	**.0230**	**.0050**
Stddev	.0003	.0005	.0018	.0001	.0051	.0007	.0005
%RSD	6.091	181.0	25.20	13.97	44.23	3.219	10.83
#1	-.0046	.0007	.0060	-.0010	-.0079	.0235	.0054
#2	-.0050	-.0001	.0086	-.0008	-.0152	.0225	.0046
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	**75502.**	**18033.**	**1946.0**	**3744.7**
Stddev	142.	137.	2.8	6.2
%RSD	.18748	.75857	.14426	.16680
#1	75602.	18130.	1947.9	3749.1
#2	75402.	17936.	1944.0	3740.2

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/10/2014 19:32:10 Type: QC
Method: Accutest 2(v79) 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	**.4783**	**.4608**	**.9767**	**.4734**	**.4710**	**.4895**	**.4799**	**.9509**
Stddev	.0076	.0069	.0118	.0045	.0011	.0016	.0008	.0098
%RSD	1.590	1.491	1.203	.9595	.2292	.3203	.1609	1.026
#1	.4837	.4657	.9850	.4767	.4703	.4884	.4793	.9578
#2	.4729	.4559	.9684	.4702	.4718	.4906	.4804	.9440
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	**.9751**	**.4603**	**.9295**	**1.039**	**.9424**	**.9414**	**1.025**	**1.006**
Stddev	.0032	.0002	.0120	.013	.0128	.0162	.014	.012
%RSD	.3249	.0360	1.295	1.258	1.357	1.717	1.375	1.160
#1	.9728	.4602	.9380	1.049	.9515	.9528	1.035	1.014
#2	.9773	.4604	.9210	1.030	.9334	.9300	1.015	.9978
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	**494.5**	**355.5**	**175.8**	**466.7**	**.1218**	**.0830**	**-.0011**	**.4791**
Stddev	19.2	13.9	2.7	7.8	.0203	.0005	.0005	.0060
%RSD	3.885	3.896	1.507	1.668	16.68	.6470	49.82	1.253
#1	508.1	365.3	177.7	472.2	.1361	.0833	-.0007	.4833
#2	480.9	345.7	173.9	461.2	.1074	.0826	-.0014	.4749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/10/2014 19:32:10 Type: QC
Method: Accutest 2(v79) 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	**.5126**	**-.0164**	**-.0008**	**-.0044**	**.0010**	**.5509**	F **-.0007**	**.4655**
Stddev	.0022	.0009	.0007	.0005	.0005	.0039	.0004	.0025
%RSD	.4246	5.273	85.83	11.04	45.20	.7165	59.31	.5304
#1	.5141	-.0158	-.0003	-.0047	.0014	.5537	-.0004	.4673
#2	.5110	-.0170	-.0013	-.0040	.0007	.5481	-.0010	.4638
Check ?	Chk Pass	None	None	None	None	Chk Pass	Chk Fail	Chk Pass
Value							.5000	
Range							-20.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.5089**	**.5104**
Stddev	.0054	.0083
%RSD	1.070	1.632
#1	.5127	.5163
#2	.5050	.5045
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	**76092.**	**18002.**	**1980.1**	**3804.1**
Stddev	242.	321.	24.0	40.3
%RSD	.31774	1.7856	1.2133	1.0590
#1	76263.	17774.	1963.1	3775.6
#2	75921.	18229.	1997.1	3832.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:35:20 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.940**	**1.896**	**1.979**	**1.975**	**1.990**	**1.911**	**1.980**	**1.993**	**.2368**
Stddev	.064	.063	.002	.004	.011	.009	.009	.007	.0003
%RSD	3.313	3.317	.0736	.2042	.5627	.4644	.4341	.3609	.1113
#1	1.986	1.941	1.980	1.978	1.982	1.905	1.974	1.998	.2367
#2	1.895	1.852	1.978	1.972	1.998	1.918	1.987	1.987	.2370
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	**1.951**	**2.011**	**1.968**	**2.033**	**2.010**	**1.968**	**1.977**	**38.49**	**37.85**
Stddev	.007	.006	.008	.001	.004	.002	.000	1.27	1.27
%RSD	.3417	.3244	.4136	.0230	.1975	.0919	.0094	3.293	3.345
#1	1.947	2.016	1.974	2.033	2.013	1.967	1.977	39.39	38.75
#2	1.956	2.007	1.962	2.032	2.007	1.969	1.978	37.59	36.96
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	**36.81**	**36.82**	**37.60**	**38.06**	**2.005**	**1.996**	**1.945**	**4.912**	**2.022**
Stddev	1.22	1.13	1.35	1.37	.000	.003	.011	.008	.008
%RSD	3.309	3.065	3.583	3.601	.0200	.1278	.5381	.1661	.4115
#1	37.67	37.61	38.55	39.03	2.005	1.997	1.937	4.918	2.028
#2	35.94	36.02	36.64	37.09	2.004	1.994	1.952	4.906	2.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 19:35:20 Type: QC
Method: Accutest 2(v79) 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	**1.973**	**1.945**	**1.959**	**1.974**	**1.932**	**1.989**	**1.891**
Stddev	.065	.011	.019	.009	.002	.004	.066
%RSD	3.308	.5514	.9863	.4646	.0949	.2218	3.508
#1	2.019	1.938	1.972	1.968	1.933	1.992	1.938
#2	1.927	1.953	1.945	1.981	1.930	1.986	1.844
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	**82586.**	**18329.**	**2119.6**	**4247.8**
Stddev	23.	585.	3.3	6.3
%RSD	.02824	3.1921	.15689	.14849
#1	82603.	17916.	2117.3	4243.4
#2	82570.	18743.	2122.0	4252.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 19:38:18 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Pause

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0002**	**-.0003**	**.0003**	**-.0006**	**.0001**	**.0001**
Stddev	.0002	.0000	.0002	.0003	.0006	.0005	.0001	.0003
%RSD	113.6	78.46	138.4	85.74	205.7	83.94	167.5	477.1
#1	.0004	.0001	.0000	-.0001	.0007	-.0010	.0001	-.0001
#2	.0000	.0000	.0003	-.0005	-.0001	-.0002	-.0000	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0005**	**.0004**	**.0016**	**-.0002**	**.0004**	**-.0026**	**-.0008**
Stddev	.0006	.0001	.0000	.0002	.0000	.0005	.0010	.0015
%RSD	138.3	21.75	3.101	14.88	21.47	136.5	37.63	196.3
#1	-.0009	.0004	.0004	.0017	-.0002	.0000	-.0033	-.0019
#2	-.0000	.0005	.0004	.0014	-.0002	.0008	-.0019	.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	**.0029**	**.0033**	**.0067**	**-.0239**	**-.0047**	**.0136**	**.0019**	**.0012**
Stddev	.0067	.0034	.0016	.0120	.0151	.0059	.0011	.0002
%RSD	227.5	105.0	23.59	50.03	323.9	43.36	59.69	13.63
#1	.0077	.0057	.0078	-.0155	.0060	.0178	.0027	.0011
#2	-.0018	.0008	.0055	-.0324	-.0153	.0094	.0011	.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: 6/10/2014 19:38:18 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Pause

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0005**	**.0011**	**.0002**	**.0003**	F **.0334**	F **.0012**	**-.0023**
Stddev	.0005	.0005	.0008	.0000	.0000	.0036	.0002	.0007
%RSD	103.8	105.9	76.15	6.519	10.49	10.77	15.95	29.36
#1	.0009	.0008	.0016	.0002	.0004	.0309	.0013	-.0018
#2	.0001	.0001	.0005	.0003	.0003	.0359	.0010	-.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit						.0050	.0010	
Low Limit						-.0050	-.0010	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0023**	**.0003**
Stddev	.0018	.0002
%RSD	80.27	78.46
#1	-.0010	.0001
#2	-.0036	.0005
Check ?	Chk Fail	Chk Pass
High Limit	.0020	
Low Limit	-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87273.**	**18393.**	**2184.3**	**4719.3**
Stddev	781.	289.	3.4	9.4
%RSD	.89516	1.5730	.15640	.20017
#1	87825.	18188.	2186.7	4725.9
#2	86720.	18598.	2181.9	4712.6

Zoom In Zoom Out

Sample Name: mp-151-116-lcwconf Acquired: 6/10/2014 19:41:29 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4683**	**.4439**	**.4816**	**.4686**	**.4831**	**.4551**	**.4791**	**.4823**	**.1846**
Stddev	.0155	.0154	.0015	.0004	.0056	.0053	.0042	.0011	.0016
%RSD	3.305	3.469	.3055	.0843	1.162	1.168	.8815	.2257	.8760
#1	.4573	.4330	.4827	.4689	.4792	.4513	.4761	.4830	.1835
#2	.4792	.4547	.4806	.4683	.4871	.4588	.4820	.4815	.1858

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4556**	**.5024**	**.4803**	**.5174**	**.4838**	**.5036**	**.4814**	**4.629**	**5.042**
Stddev	.0034	.0007	.0019	.0010	.0003	.0003	.0013	.151	.168
%RSD	.7536	.1301	.3962	.2027	.0620	.0662	.2732	3.262	3.326
#1	.4531	.5029	.4816	.5167	.4840	.5038	.4823	4.522	4.924
#2	.4580	.5020	.4789	.5181	.4836	.5034	.4805	4.736	5.161

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.974**	**4.799**	**9.072**	**9.170**	**.0043**	**.4816**	**.0014**	**.0239**	**.0009**
Stddev	.175	.135	.260	.282	.0002	.0019	.0003	.0006	.0004
%RSD	3.513	2.817	2.865	3.072	4.151	.3978	18.32	2.657	44.32
#1	4.850	4.703	8.888	8.971	.0041	.4830	.0013	.0244	.0006
#2	5.097	4.894	9.256	9.369	.0044	.4803	.0016	.0235	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4766**	**.0269**	**.0007**	**.0061**	**.0093**	**-.0004**
Stddev	.0000	.0038	.0028	.0002	.0000	.0001	.0002
%RSD	32.65	.7893	10.56	30.02	.4996	1.261	51.81
#1	-.0002	.4739	.0249	.0006	.0061	.0092	-.0003
#2	-.0001	.4792	.0289	.0009	.0061	.0094	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86714.**	**19330.**	**2168.9**	**4547.1**
Stddev	715.	434.	7.8	12.1
%RSD	.82434	2.2438	.35963	.26664
#1	87219.	19636.	2163.4	4538.5
#2	86208.	19023.	2174.4	4555.7

Zoom In Zoom Out

Sample Name: jb68733-1 Acquired: 6/10/2014 19:44:31 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1945**	**-.0003**	**.0001**	**.0138**	**6.279**	**.0038**	**.5007**	**.1366**	**.0010**
Stddev	.0048	.0001	.0001	.0002	.035	.0000	.0035	.0008	.0004
%RSD	2.479	19.38	48.01	1.133	.5567	.3371	.6902	.5986	45.49
#1	.1910	-.0003	.0001	.0139	6.255	.0038	.4983	.1360	.0007
#2	.1979	-.0004	.0002	.0137	6.304	.0038	.5032	.1372	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0454**	**-.0037**	**.0295**	**.0078**	**-.0053**	**.0029**	**.0582**	**.2046**	**622.4**
Stddev	.0001	.0002	.0006	.0008	.0009	.0031	.0002	.0095	10.0
%RSD	.2100	5.538	2.186	10.57	16.78	105.3	.4226	4.620	1.602
#1	.0454	-.0035	.0299	.0072	-.0046	.0051	.0584	.2113	615.4
#2	.0453	-.0038	.0290	.0084	-.0059	.0008	.0581	.1979	629.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0151**	**36.53**	**8.184**	**970.2**	**.1746**	**.0012**	**.0175**	**15.13**	**-.0022**
Stddev	.0016	.99	.224	26.1	.0026	.0001	.0000	.14	.0003
%RSD	10.38	2.702	2.739	2.693	1.503	10.99	.0867	.9174	13.36
#1	-.0162	35.83	8.025	951.8	.1727	.0011	.0175	15.03	-.0020
#2	-.0139	37.23	8.342	988.7	.1764	.0013	.0175	15.23	-.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.458**	**.0007**	**.0310**	**-.0052**	**19.73**	**.0120**	**.0268**
Stddev	.038	.0001	.0001	.0001	.20	.0015	.0025
%RSD	2.604	8.802	.4192	2.602	.9947	12.81	9.264
#1	1.431	.0007	.0309	-.0051	19.59	.0109	.0251
#2	1.485	.0007	.0311	-.0053	19.87	.0131	.0286

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72679.**	**17810.**	**1843.4**	**3493.1**
Stddev	174.	399.	11.3	14.6
%RSD	.23958	2.2401	.61539	.41796
#1	72802.	18092.	1851.4	3503.4
#2	72556.	17528.	1835.4	3482.7

Zoom In Zoom Out

Sample Name: jb68761-5ab Acquired: 6/10/2014 19:47:48 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1563**	**.0001**	**.0006**	**.0094**	**.0029**	**.0082**	**3.376**	**.0051**	**.0012**
Stddev	.0040	.0001	.0002	.0000	.0001	.0001	.023	.0003	.0002
%RSD	2.553	42.39	35.21	.4592	2.548	.8475	.6945	5.076	16.35
#1	.1534	.0001	.0005	.0094	.0029	.0082	3.360	.0049	.0013
#2	.1591	.0002	.0008	.0094	.0030	.0083	3.393	.0053	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0024**	**.0146**	**-.0004**	**.0010**	**.0062**	**.0016**	**-.0005**	**.1831**	**11.76**
Stddev	.0006	.0001	.0001	.0026	.0011	.0038	.0000	.0042	.15
%RSD	24.21	.6911	15.69	253.1	17.82	237.3	9.533	2.316	1.297
#1	.0020	.0146	-.0004	.0029	.0054	.0043	-.0004	.1861	11.65
#2	.0029	.0145	-.0003	-.0008	.0070	-.0011	-.0005	.1801	11.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0313**	**1.669**	**1.820**	**940.5**	**.1617**	**.0001**	**-.0015**	**1.622**	**.0008**
Stddev	.0012	.036	.055	11.0	.0002	.0000	.0007	.012	.0005
%RSD	3.874	2.180	3.010	1.166	.1537	.9667	48.27	.7129	62.62
#1	.0304	1.643	1.781	948.2	.1615	.0001	-.0020	1.613	.0011
#2	.0321	1.695	1.859	932.7	.1619	.0001	-.0010	1.630	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0630**	**-.0007**	**.0110**	**-.0002**	**.7868**	**-.0027**	**-.0014**
Stddev	.0014	.0004	.0004	.0001	.0056	.0016	.0001
%RSD	2.294	62.68	3.292	71.52	.7169	58.51	9.272
#1	.0620	-.0010	.0112	-.0001	.7828	-.0016	-.0015
#2	.0640	-.0004	.0107	-.0003	.7908	-.0038	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75523.**	**18143.**	**1966.6**	**3701.1**
Stddev	299.	144.	2.8	2.0
%RSD	.39633	.79430	.14079	.05436
#1	75735.	18245.	1968.6	3702.6
#2	75311.	18041.	1964.6	3699.7

Zoom In Zoom Out

Sample Name: jb68761-13ab Acquired: 6/10/2014 19:51:04 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0936**	**.0002**	**.0002**	**.0020**	**.0014**	**.0038**	**.2646**	**.0035**	**-.0001**
Stddev	.0022	.0001	.0002	.0000	.0004	.0008	.0027	.0001	.0005
%RSD	2.315	70.11	87.12	2.295	25.85	20.26	1.020	1.776	494.8
#1	.0920	.0001	.0001	.0021	.0011	.0032	.2626	.0035	-.0005
#2	.0951	.0002	.0004	.0020	.0016	.0043	.2665	.0036	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0095**	**-.0014**	**.0004**	**.0011**	**.0035**	**.0004**	**.2893**	**9.890**
Stddev	.0001	.0002	.0008	.0009	.0010	.0011	.0019	.0067	.196
%RSD	20.28	2.223	60.52	214.5	88.56	32.31	486.0	2.311	1.979
#1	.0006	.0094	-.0008	.0010	.0019	.0027	.0017	.2846	9.752
#2	.0004	.0097	-.0020	-.0002	.0004	.0043	-.0010	.2940	10.03

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0134**	**1.339**	**2.221**	**895.1**	**.1499**	**.0002**	**-.0009**	**1.230**	**.0004**
Stddev	.0004	.038	.054	10.4	.0004	.0001	.0015	.000	.0005
%RSD	2.644	2.847	2.439	1.164	.2785	26.34	172.1	.0315	115.9
#1	.0137	1.312	2.183	902.5	.1502	.0003	.0002	1.230	.0001
#2	.0132	1.366	2.260	887.7	.1496	.0002	-.0019	1.230	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0342**	**.0001**	**.0076**	**-.0003**	**1.060**	**-.0006**	**-.0003**
Stddev	.0008	.0003	.0013	.0001	.002	.0024	.0006
%RSD	2.240	298.7	17.53	23.98	.1596	380.9	216.8
#1	.0337	-.0001	.0067	-.0004	1.059	.0011	.0002
#2	.0347	.0003	.0085	-.0003	1.061	-.0023	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75131.**	**18299.**	**1970.9**	**3720.9**
Stddev	369.	86.	3.5	8.6
%RSD	.49129	.46731	.17728	.23192
#1	75392.	18359.	1973.4	3727.0
#2	74870.	18238.	1968.4	3714.8

Zoom In Zoom Out

Sample Name: jb68761-18ab Acquired: 6/10/2014 19:54:19 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1146**	**.0002**	**.0001**	**.0010**	**.0024**	**.0049**	**.2795**	**.0029**	**-.0007**
Stddev	.0014	.0001	.0003	.0000	.0001	.0002	.0026	.0002	.0005
%RSD	1.222	67.42	308.4	.2038	2.613	4.500	.9218	6.304	70.39
#1	.1136	.0001	-.0001	.0010	.0024	.0048	.2813	.0030	-.0011
#2	.1156	.0003	.0003	.0010	.0023	.0051	.2777	.0027	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0098**	**.0002**	**.0004**	**.0020**	**.0002**	**-.0013**	**.2328**	**6.683**
Stddev	.0000	.0000	.0002	.0006	.0005	.0015	.0010	.0016	.078
%RSD	16.47	.0265	93.81	183.5	22.88	970.1	71.56	.6684	1.170
#1	.0002	.0098	.0001	.0008	.0023	-.0009	-.0020	.2339	6.628
#2	.0002	.0098	.0003	-.0001	.0017	.0013	-.0007	.2317	6.738

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0121**	**.9847**	**1.130**	**909.1**	**.1600**	**.0002**	**.0011**	**1.386**	**.0007**
Stddev	.0020	.0267	.026	16.7	.0003	.0001	.0016	.003	.0007
%RSD	16.26	2.712	2.323	1.834	.2152	33.56	147.7	.2264	99.76
#1	.0107	1.004	1.112	920.9	.1597	.0002	.0023	1.384	.0002
#2	.0135	.9658	1.149	897.3	.1602	.0003	-.0000	1.388	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0331**	**-.0004**	**.0070**	**-.0003**	**.7168**	**-.0019**	**-.0006**
Stddev	.0003	.0000	.0028	.0002	.0019	.0009	.0004
%RSD	.9197	9.266	39.87	63.68	.2591	49.70	55.37
#1	.0329	-.0003	.0050	-.0002	.7155	-.0025	-.0004
#2	.0334	-.0004	.0090	-.0004	.7182	-.0012	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75518.**	**18267.**	**1963.9**	**3698.6**
Stddev	309.	53.	2.7	6.5
%RSD	.40964	.29253	.13958	.17510
#1	75299.	18304.	1965.8	3703.1
#2	75737.	18229.	1961.9	3694.0

Zoom In Zoom Out

Sample Name: jb68761-26ab Acquired: 6/10/2014 19:57:34 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0475**	**.0001**	**.0002**	**.0011**	**.0026**	**.0048**	**.1404**	**.0029**	**-.0003**
Stddev	.0004	.0001	.0001	.0001	.0004	.0006	.0008	.0001	.0006
%RSD	.8365	62.51	32.16	6.024	14.04	12.78	.5347	2.330	175.1
#1	.0473	.0001	.0001	.0012	.0024	.0052	.1399	.0030	-.0007
#2	.0478	.0002	.0002	.0011	.0029	.0044	.1410	.0029	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0139**	**-.0013**	**.0015**	**.0058**	**-.0023**	**-.0005**	**.4066**	**2.893**
Stddev	.0002	.0001	.0004	.0006	.0005	.0020	.0025	.0096	.029
%RSD	29.17	1.078	30.45	42.20	8.368	89.75	465.0	2.360	1.011
#1	.0005	.0140	-.0010	.0010	.0055	-.0008	.0012	.3998	2.873
#2	.0007	.0138	-.0015	.0019	.0062	-.0037	-.0023	.4134	2.914

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0209**	**.6884**	**1.294**	**901.5**	**.1693**	**.0001**	**-.0005**	**1.053**	**.0008**
Stddev	.0019	.0140	.009	6.9	.0001	.0003	.0016	.014	.0001
%RSD	8.932	2.027	.6601	.7610	.0376	234.0	340.2	1.293	9.116
#1	.0222	.6785	1.288	906.4	.1693	-.0001	.0007	1.063	.0008
#2	.0196	.6983	1.300	896.7	.1692	.0003	-.0016	1.043	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0174**	**-.0003**	**.0055**	**-.0003**	**.8694**	**-.0028**	**-.0002**
Stddev	.0002	.0002	.0017	.0001	.0026	.0010	.0011
%RSD	1.254	56.86	31.55	27.32	.2975	33.46	614.6
#1	.0173	-.0004	.0043	-.0003	.8712	-.0035	-.0010
#2	.0176	-.0002	.0067	-.0002	.8676	-.0022	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75612.**	**18310.**	**1972.1**	**3703.3**
Stddev	565.	4.	3.9	10.1
%RSD	.74699	.02410	.19623	.27269
#1	76011.	18307.	1969.3	3696.1
#2	75212.	18313.	1974.8	3710.4

Zoom In Zoom Out

Sample Name: jb68761-33ab Acquired: 6/10/2014 20:00:49 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1375**	**.0001**	**.0005**	**.0023**	**.0019**	**.0056**	**.4299**	**.0036**	**-.0004**
Stddev	.0029	.0001	.0000	.0001	.0003	.0000	.0015	.0003	.0004
%RSD	2.083	57.03	8.052	3.788	16.85	.8292	.3458	9.580	110.7
#1	.1355	.0001	.0005	.0023	.0022	.0057	.4288	.0038	-.0006
#2	.1395	.0002	.0005	.0024	.0017	.0056	.4309	.0033	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0425**	**.0051**	**-.0001**	**.0142**	**.0011**	**.0003**	**.1573**	**7.907**
Stddev	.0003	.0001	.0018	.0009	.0007	.0001	.0001	.0002	.128
%RSD	24.83	.1814	36.31	1302.	5.119	9.675	36.90	.1404	1.624
#1	.0011	.0425	.0064	.0006	.0148	.0010	.0002	.1572	7.816
#2	.0016	.0424	.0038	-.0007	.0137	.0012	.0004	.1575	7.998

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0244**	**1.100**	**1.439**	**887.9**	**.1871**	**.0000**	**.0016**	**1.095**	**.0026**
Stddev	.0013	.007	.039	5.9	.0010	.0001	.0003	.000	.0009
%RSD	5.141	.6455	2.713	.6670	.5232	306.0	20.46	.0135	36.80
#1	.0235	1.095	1.412	892.1	.1864	-.0000	.0014	1.095	.0019
#2	.0253	1.105	1.467	883.7	.1878	.0001	.0019	1.095	.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0563**	**-.0002**	**.0049**	**-.0002**	**1.083**	**-.0015**	**-.0010**
Stddev	.0011	.0004	.0006	.0001	.001	.0008	.0006
%RSD	1.953	216.1	12.33	34.49	.0438	53.13	60.99
#1	.0555	.0001	.0045	-.0001	1.083	-.0021	-.0014
#2	.0571	-.0005	.0053	-.0002	1.082	-.0009	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75156.**	**18226.**	**1959.4**	**3706.3**
Stddev	125.	144.	2.2	3.4
%RSD	.16690	.79082	.11327	.09164
#1	75245.	18328.	1957.9	3703.9
#2	75068.	18124.	1961.0	3708.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 20:04:05 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.943**	**1.889**	**1.956**	**1.958**	**1.954**	**1.891**	**1.958**	**1.974**	**.2333**
Stddev	.009	.007	.010	.011	.015	.015	.018	.012	.0019
%RSD	.4863	.3521	.5089	.5717	.7700	.8011	.9143	.5951	.8211
#1	1.950	1.894	1.963	1.966	1.943	1.881	1.945	1.982	.2320
#2	1.936	1.884	1.949	1.950	1.964	1.902	1.971	1.966	.2347
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**	**1.993**	**1.945**	**2.007**	**1.990**	**1.943**	**1.955**	**38.39**	**37.62**
Stddev	.020	.017	.012	.003	.012	.016	.012	.14	.14
%RSD	1.038	.8391	.5916	.1441	.6044	.8290	.5903	.3580	.3643
#1	1.912	2.005	1.953	2.009	1.998	1.954	1.963	38.49	37.72
#2	1.941	1.981	1.937	2.005	1.981	1.931	1.946	38.30	37.53
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	**36.58**	**36.23**	**37.43**	**36.73**	**1.979**	**1.973**	**1.908**	**4.855**	**1.998**
Stddev	.17	.02	.20	.09	.006	.013	.014	.023	.015
%RSD	.4783	.0504	.5292	.2528	.2867	.6420	.7518	.4752	.7728
#1	36.70	36.21	37.57	36.80	1.983	1.982	1.898	4.871	2.009
#2	36.45	36.24	37.29	36.67	1.975	1.964	1.918	4.838	1.987
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: 6/10/2014 20:04:05 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**1.925**	**1.928**	**1.954**	**1.911**	**1.964**	**1.888**
Stddev	.011	.016	.028	.019	.009	.006	.008
%RSD	.5373	.8469	1.468	.9583	.4567	.3137	.4242
#1	1.985	1.913	1.948	1.941	1.917	1.969	1.894
#2	1.970	1.936	1.908	1.967	1.905	1.960	1.882
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	**83654.**	**18213.**	**2130.5**	**4267.2**
Stddev	376.	114.	17.4	32.2
%RSD	.44999	.62500	.81711	.75480
#1	83920.	18132.	2118.1	4244.4
#2	83388.	18293.	2142.8	4289.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:07:01 Type: QC
Method: Accutest 2(v79) 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**	**.0002**	**.0002**	**.0005**	**-.0003**	**.0001**	**.0003**
Stddev	.0000	.0001	.0001	.0003	.0002	.0000	.0000	.0001
%RSD	63.06	176.5	26.23	176.8	34.25	14.36	52.82	24.41
#1	.0000	.0002	.0002	.0004	.0006	-.0003	.0001	.0003
#2	.0001	-.0000	.0002	-.0000	.0004	-.0003	.0001	.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**	**.0006**	**.0005**	**.0005**	**-.0008**	**.0002**	F **-.0036**	**-.0001**
Stddev	.0002	.0002	.0000	.0002	.0004	.0002	.0022	.0008
%RSD	120.5	32.01	5.808	32.37	52.22	91.88	62.21	868.2
#1	.0000	.0007	.0005	.0007	-.0005	.0003	-.0020	-.0006
#2	.0003	.0004	.0006	.0004	-.0011	.0001	-.0051	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0030	
Low Limit							-.0030	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0075**	**-.0001**	**.0034**	**-.0530**	**-.0002**	**.1537**	**.0022**	**.0009**
Stddev	.0063	.0034	.0031	.0470	.0054	.0013	.0003	.0001
%RSD	84.14	6085.	90.32	88.67	3002.	.8718	11.69	8.715
#1	.0030	.0024	.0056	-.0863	-.0040	.1546	.0024	.0009
#2	.0120	-.0025	.0012	-.0198	.0036	.1527	.0020	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:07:01 Type: QC
Method: Accutest 2(v79) 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	**-.0013**	**.0017**	**.0008**	**.0002**	**.0000**	F **.0312**	**.0008**	**.0007**
Stddev	.0008	.0010	.0001	.0001	.0003	.0038	.0002	.0013
%RSD	59.35	61.41	9.927	42.07	6156.	12.20	30.42	192.2
#1	-.0008	.0009	.0009	.0003	-.0002	.0285	.0006	.0015
#2	-.0019	.0024	.0008	.0001	.0002	.0339	.0010	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0015**	F **-.0032**
Stddev	.0004	.0009
%RSD	28.81	26.84
#1	-.0019	-.0026
#2	-.0012	-.0038
Check ?	Chk Pass	Chk Fail
High Limit		.0030
Low Limit		-.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87387.**	**18342.**	**2210.9**	**4772.3**
Stddev	650.	246.	11.1	17.6
%RSD	.74430	1.3399	.50232	.36955
#1	87847.	18168.	2203.0	4759.8
#2	86928.	18516.	2218.7	4784.8

Zoom In Zoom Out

Sample Name: mp79962-mb1 2 Acquired: 6/10/2014 20:24:09 Type: Unk
Method: Accutest 2(v79) Mode: 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**	**.0002**	**.0000**	**.0000**	**.0003**	**.0001**	**-.0001**	**-.0003**
Stddev	.0001	.0001	.0001	.0003	.0002	.0004	.0000	.0006	.0004
%RSD	39.84	164.4	65.29	3512.	696.3	134.3	2.225	452.5	147.5
#1	-.0004	-.0002	.0003	.0002	-.0001	.0005	.0001	.0003	.0000
#2	-.0002	.0000	.0001	-.0002	.0002	.0000	.0001	-.0006	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0019**	**-.0000**	**-.0002**	**.0008**	**-.0009**	**-.0007**	**-.0012**	**.0141**
Stddev	.0001	.0001	.0005	.0001	.0000	.0012	.0006	.0124	.0012
%RSD	64.71	4.515	1967.	35.19	.3326	141.4	88.65	1075.	8.606
#1	.0001	.0019	.0003	-.0002	.0008	.0000	-.0003	-.0099	.0149
#2	.0003	.0020	-.0004	-.0003	.0008	-.0018	-.0012	.0076	.0132

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0101**	**-.0126**	**-.0055**	**.0712**	**.0013**	**.0001**	**-.0017**	**.0105**	**.0005**
Stddev	.0020	.0199	.0105	.0066	.0001	.0002	.0005	.0000	.0005
%RSD	20.37	158.6	191.0	9.265	5.912	127.8	26.88	.2870	96.71
#1	.0115	.0015	-.0129	.0759	.0012	.0002	-.0021	.0105	.0001
#2	.0086	-.0267	.0019	.0666	.0013	.0000	-.0014	.0105	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0001**	**.0109**	**.0004**	**.0051**	**-.0026**	**-.0044**
Stddev	.0000	.0004	.0015	.0002	.0038	.0027	.0002
%RSD	11.83	402.8	13.65	42.36	75.42	105.8	5.323
#1	.0002	-.0003	.0098	.0003	.0078	-.0006	-.0046
#2	.0002	.0002	.0119	.0005	.0024	-.0045	-.0043

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87859.**	**18868.**	**2207.1**	**4770.4**
Stddev	226.	102.	8.8	19.1
%RSD	.25770	.54301	.39904	.40107
#1	87699.	18796.	2200.8	4756.9
#2	88019.	18941.	2213.3	4784.0

Zoom In Zoom Out

Sample Name: mp79962-lc1 Acquired: 6/10/2014 20:27:21 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4792**	**.4318**	**.4605**	**.4515**	**.4655**	**.4382**	**.4637**	**.4638**	**.1806**
Stddev	.0158	.0140	.0023	.0007	.0030	.0042	.0033	.0018	.0011
%RSD	3.294	3.247	.5084	.1502	.6507	.9631	.7084	.3975	.6150
#1	.4681	.4219	.4589	.4510	.4634	.4352	.4613	.4625	.1798
#2	.4904	.4417	.4622	.4519	.4677	.4412	.4660	.4651	.1814

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4421**	**.4778**	**.4588**	**.4950**	**.4652**	**.4797**	**.4601**	**4.752**	**5.122**
Stddev	.0038	.0011	.0007	.0030	.0020	.0005	.0019	.167	.182
%RSD	.8593	.2221	.1472	.6005	.4396	.1104	.4105	3.508	3.550
#1	.4394	.4770	.4593	.4929	.4638	.4793	.4588	4.634	4.993
#2	.4448	.4785	.4583	.4971	.4667	.4801	.4614	4.870	5.250

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.005**	**4.863**	**9.165**	**9.377**	**.0212**	**.4653**	**.0011**	**.0927**	**.0007**
Stddev	.152	.184	.312	.307	.0002	.0000	.0015	.0028	.0004
%RSD	3.026	3.781	3.402	3.271	.7188	.0063	131.0	3.016	51.59
#1	4.898	4.733	8.944	9.160	.0211	.4653	.0022	.0946	.0005
#2	5.113	4.993	9.385	9.594	.0213	.4653	.0001	.0907	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4622**	**.0159**	**.0013**	**.0076**	**.0074**	**-.0022**
Stddev	.0000	.0021	.0008	.0002	.0010	.0006	.0012
%RSD	49.73	.4579	4.855	19.01	12.54	8.094	52.85
#1	-.0001	.4607	.0153	.0011	.0083	.0070	-.0031
#2	-.0001	.4637	.0164	.0015	.0070	.0079	-.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86629.**	**19088.**	**2161.6**	**4539.6**
Stddev	411.	387.	3.9	12.2
%RSD	.47433	2.0255	.18211	.26912
#1	86919.	19362.	2164.3	4548.2
#2	86338.	18815.	2158.8	4531.0

Zoom In Zoom Out

Sample Name: mp79962-s1 Acquired: 6/10/2014 20:30:23 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.971**	**.0464**	**.0571**	**.5003**	**.2026**	**.2404**	**.6879**	**.5107**	**.0489**
Stddev	.058	.0016	.0003	.0009	.0004	.0002	.0017	.0005	.0007
%RSD	2.933	3.394	.4578	.1746	.2028	.1008	.2450	.0936	1.512
#1	1.930	.0453	.0569	.4997	.2024	.2402	.6867	.5104	.0494
#2	2.011	.0476	.0573	.5009	.2029	.2405	.6891	.5110	.0484

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4832**	**.5161**	**2.062**	**2.099**	**.5060**	**2.147**	**.5107**	**1.982**	**107.6**
Stddev	.0014	.0008	.008	.004	.0001	.009	.0000	.049	3.0
%RSD	.2803	.1521	.3778	.1940	.0230	.3983	.0055	2.488	2.808
#1	.4822	.5156	2.056	2.096	.5061	2.141	.5107	1.947	105.5
#2	.4842	.5167	2.067	2.102	.5059	2.153	.5106	2.017	109.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.216**	**37.31**	**24.96**	**76.20**	**.0231**	**.0009**	**.0029**	**5.480**	**-.0011**
Stddev	.042	1.08	.62	1.92	.0006	.0003	.0012	.021	.0000
%RSD	3.454	2.886	2.480	2.524	2.629	36.57	42.29	.3857	1.832
#1	1.186	36.55	24.52	74.84	.0235	.0007	.0020	5.465	-.0011
#2	1.245	38.07	25.40	77.56	.0226	.0011	.0037	5.495	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4207**	**.0010**	**.0205**	**-.0009**	**4.276**	**-.0011**	**.0028**
Stddev	.0123	.0001	.0017	.0002	.013	.0011	.0005
%RSD	2.922	10.76	8.376	20.60	.3059	94.61	19.53
#1	.4120	.0010	.0193	-.0010	4.267	-.0019	.0024
#2	.4294	.0009	.0218	-.0008	4.285	-.0004	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82435.**	**18998.**	**2068.9**	**4159.4**
Stddev	301.	412.	8.1	14.4
%RSD	.36567	2.1675	.39063	.34694
#1	82221.	19289.	2074.6	4169.6
#2	82648.	18707.	2063.2	4149.2

Zoom In Zoom Out

Sample Name: mp79962-s2 Acquired: 6/10/2014 20:33:22 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.981**	**.0465**	**.0572**	**.5033**	**.2020**	**.2394**	**.6855**	**.5132**	**.0494**
Stddev	.024	.0006	.0005	.0022	.0002	.0024	.0041	.0028	.0012
%RSD	1.190	1.349	.9528	.4446	.1038	1.015	.5936	.5495	2.370
#1	1.965	.0461	.0568	.5017	.2022	.2377	.6826	.5112	.0485
#2	1.998	.0470	.0576	.5049	.2019	.2412	.6884	.5152	.0502

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4816**	**.5186**	**2.070**	**2.109**	**.5093**	**2.153**	**.5107**	**1.977**	**107.4**
Stddev	.0043	.0013	.011	.005	.0037	.019	.0033	.022	1.6
%RSD	.8841	.2463	.5512	.2494	.7225	.8829	.6528	1.132	1.530
#1	.4786	.5177	2.062	2.105	.5067	2.139	.5084	1.961	106.3
#2	.4846	.5195	2.078	2.113	.5119	2.166	.5131	1.992	108.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.221**	**37.09**	**24.86**	**76.06**	**.0237**	**.0006**	**.0029**	**5.486**	**-.0008**
Stddev	.015	.52	.35	1.02	.0001	.0002	.0015	.030	.0010
%RSD	1.190	1.395	1.389	1.338	.5425	41.14	52.12	.5533	121.9
#1	1.211	36.73	24.62	75.34	.0237	.0004	.0018	5.465	-.0001
#2	1.231	37.46	25.11	76.78	.0236	.0007	.0039	5.508	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4215**	**.0005**	**.0197**	**-.0010**	**4.292**	**-.0015**	**.0045**
Stddev	.0044	.0005	.0005	.0002	.024	.0009	.0002
%RSD	1.037	96.54	2.751	17.59	.5468	61.49	4.101
#1	.4184	.0002	.0201	-.0011	4.276	-.0022	.0044
#2	.4246	.0009	.0193	-.0008	4.309	-.0009	.0047

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82531.**	**18874.**	**2071.1**	**4161.3**
Stddev	543.	319.	4.1	7.3
%RSD	.65784	1.6917	.19927	.17423
#1	82915.	19100.	2074.0	4166.4
#2	82147.	18648.	2068.1	4156.1

Zoom In Zoom Out

Sample Name: jb68355-3 Acquired: 6/10/2014 20:36:21 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0604**	**-.0001**	**.0004**	**.0004**	**.0008**	**.0004**	**.1898**	**.0012**	**.0001**
Stddev	.0008	.0000	.0002	.0002	.0002	.0004	.0012	.0001	.0003
%RSD	1.354	8.254	57.79	51.48	22.16	120.4	.6086	6.260	184.8
#1	.0598	-.0001	.0002	.0002	.0007	.0007	.1890	.0011	.0003
#2	.0610	-.0001	.0005	.0005	.0010	.0001	.1906	.0013	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0030**	**-.0008**	**.0011**	**-.0004**	**-.0012**	**-.0020**	**.0498**	**84.49**
Stddev	.0003	.0001	.0027	.0005	.0007	.0001	.0010	.0072	1.20
%RSD	45.83	4.672	338.2	41.47	168.8	10.63	46.36	14.36	1.422
#1	.0004	.0031	.0011	.0008	-.0009	-.0013	-.0014	.0448	83.64
#2	.0007	.0029	-.0027	.0014	-.0001	-.0011	-.0027	.0549	85.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2841**	**13.95**	**1.149**	**52.29**	**.0224**	**.0006**	**.0023**	**5.350**	**-.0018**
Stddev	.0036	.01	.013	.69	.0000	.0001	.0017	.012	.0003
%RSD	1.255	.0409	1.167	1.329	.1931	16.46	71.69	.2262	14.74
#1	.2816	13.94	1.140	51.79	.0224	.0007	.0012	5.341	-.0019
#2	.2867	13.95	1.159	52.78	.0225	.0005	.0035	5.359	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4232**	**.0007**	**.0094**	**-.0008**	**4.168**	**-.0009**	**.0033**
Stddev	.0070	.0002	.0029	.0001	.002	.0004	.0016
%RSD	1.657	28.34	31.15	17.37	.0394	43.58	48.76
#1	.4182	.0005	.0074	-.0009	4.167	-.0006	.0045
#2	.4281	.0008	.0115	-.0007	4.169	-.0011	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83455.**	**18863.**	**2109.4**	**4306.3**
Stddev	274.	123.	.3	1.6
%RSD	.32862	.65225	.01269	.03785
#1	83261.	18950.	2109.2	4307.5
#2	83649.	18776.	2109.6	4305.2

Zoom In Zoom Out

Sample Name: mp79962-sd1 Acquired: 6/10/2014 20:39:29 Type: Unk
Method: Accutest 2(v79) 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	**.0623**	**-.0004**	**.0005**	**.0011**	**.0023**	**.0010**	**.1938**	**-.0004**	**-.0035**
Stddev	.0026	.0000	.0005	.0010	.0006	.0017	.0012	.0006	.0004
%RSD	4.200	3.669	99.01	90.91	26.49	171.2	.5996	165.0	11.80
#1	.0641	-.0004	.0002	.0018	.0019	-.0002	.1930	-.0008	-.0038
#2	.0604	-.0004	.0009	.0004	.0027	.0022	.1946	.0001	-.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0241**	**-.0037**	**-.0002**	**.0015**	**.0031**	**-.0067**	**.0219**	**87.33**
Stddev	.0017	.0000	.0051	.0057	.0009	.0028	.0046	.0883	2.12
%RSD	1414.	.0651	138.8	2905.	62.71	90.13	68.62	404.0	2.429
#1	-.0011	.0241	-.0073	.0038	.0008	.0051	-.0035	.0843	88.83
#2	.0013	.0242	-.0001	-.0042	.0021	.0011	-.0100	-.0406	85.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3035**	**14.57**	**1.163**	**53.55**	**.0257**	**.0003**	**-.0050**	**5.371**	**-.0032**
Stddev	.0193	.02	.116	1.28	.0010	.0006	.0024	.002	.0010
%RSD	6.372	.1056	9.975	2.398	3.954	181.8	47.25	.0276	32.21
#1	.3171	14.58	1.081	54.46	.0250	.0008	-.0067	5.370	-.0039
#2	.2898	14.55	1.245	52.65	.0264	-.0001	-.0033	5.372	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4293**	**-.0003**	**.0121**	**-.0004**	**4.094**	**-.0113**	**.0011**
Stddev	.0109	.0018	.0020	.0013	.002	.0078	.0024
%RSD	2.536	653.2	16.94	299.6	.0540	68.72	212.2
#1	.4370	-.0015	.0106	-.0013	4.095	-.0058	-.0006
#2	.4216	.0010	.0135	.0005	4.092	-.0168	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85797.**	**18343.**	**2179.6**	**4617.2**
Stddev	451.	358.	8.2	24.2
%RSD	.52528	1.9506	.37617	.52396
#1	86116.	18090.	2173.8	4600.0
#2	85478.	18596.	2185.4	4634.3

Zoom In Zoom Out

Sample Name: jb68355-1 Acquired: 6/10/2014 20:42:39 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0202**	**-.0001**	**.0003**	**.0008**	**.0014**	**.0015**	**.0536**	**.0017**	**-.0004**
Stddev	.0003	.0001	.0001	.0003	.0000	.0004	.0005	.0002	.0005
%RSD	1.701	176.3	35.00	43.95	1.846	25.76	.9418	14.04	109.6
#1	.0204	-.0001	.0004	.0010	.0014	.0018	.0533	.0015	-.0001
#2	.0199	.0000	.0002	.0005	.0013	.0012	.0540	.0018	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**.0085**	**-.0003**	**-.0000**	**.0005**	**-.0012**	**-.0004**	**.6580**	**13.39**
Stddev	.0002	.0001	.0008	.0008	.0008	.0006	.0008	.0138	.26
%RSD	14.49	.8365	335.1	1630.	161.8	49.58	178.7	2.097	1.966
#1	.0013	.0084	.0003	-.0006	-.0001	-.0008	.0001	.6677	13.57
#2	.0016	.0085	-.0008	.0005	.0011	-.0016	-.0010	.6482	13.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.200**	**6.688**	**1.193**	**23.24**	**.0176**	**.0001**	**-.0022**	**3.066**	**.0001**
Stddev	.018	.107	.030	.51	.0006	.0002	.0011	.019	.0005
%RSD	1.476	1.603	2.501	2.215	3.636	361.1	50.90	.6170	458.6
#1	1.213	6.764	1.214	23.60	.0172	.0002	-.0014	3.053	.0005
#2	1.188	6.613	1.171	22.87	.0181	-.0001	-.0030	3.080	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0488**	**.0132**	**.0050**	**-.0001**	**3.396**	**-.0028**	**-.0010**
Stddev	.0011	.0005	.0012	.0002	.010	.0005	.0012
%RSD	2.219	3.528	24.85	141.1	.2996	16.75	122.3
#1	.0496	.0128	.0058	-.0003	3.389	-.0025	-.0001
#2	.0480	.0135	.0041	-.0000	3.403	-.0031	-.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86305.**	**18662.**	**2166.9**	**4547.9**
Stddev	156.	368.	5.8	17.1
%RSD	.18082	1.9707	.26922	.37558
#1	86416.	18402.	2171.0	4560.0
#2	86195.	18922.	2162.8	4535.9

Zoom In Zoom Out

Sample Name: jb68355-2 Acquired: 6/10/2014 20:45:47 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0940**	**.0001**	**.0009**	**-.0000**	**.1278**	**.0005**	**.0082**	**.2892**	**.0006**
Stddev	.0011	.0000	.0003	.0002	.0018	.0000	.0001	.0015	.0006
%RSD	1.180	31.29	35.08	1780.	1.438	7.122	.9433	.5321	99.00
#1	.0932	.0001	.0011	.0001	.1265	.0005	.0081	.2881	.0010
#2	.0948	.0001	.0007	-.0001	.1291	.0005	.0083	.2903	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0055**	**.0291**	**-.0003**	**.0000**	**-.0005**	**.0011**	**-.0006**	**.5183**	**59.30**
Stddev	.0004	.0000	.0010	.0011	.0004	.0033	.0009	.0059	.75
%RSD	7.052	.0209	338.8	28040.	76.21	292.8	165.3	1.134	1.267
#1	.0052	.0291	-.0010	-.0008	-.0002	-.0012	.0001	.5142	58.77
#2	.0058	.0290	.0004	.0008	-.0008	.0034	-.0012	.5225	59.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0446**	**23.36**	**2.424**	**42.45**	**.0371**	**.0037**	**.0015**	**6.479**	**-.0007**
Stddev	.0001	.33	.004	.43	.0014	.0001	.0007	.032	.0006
%RSD	.1401	1.402	.1587	1.008	3.779	2.781	48.96	.4945	77.36
#1	.0446	23.13	2.427	42.15	.0361	.0037	.0021	6.456	-.0012
#2	.0446	23.60	2.421	42.75	.0381	.0036	.0010	6.501	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1861**	**.0006**	**.0095**	**-.0007**	**7.730**	**-.0024**	**.0081**
Stddev	.0024	.0007	.0006	.0001	.055	.0007	.0012
%RSD	1.270	110.8	6.418	8.926	.7170	27.71	14.99
#1	.1844	.0011	.0099	-.0008	7.691	-.0029	.0090
#2	.1877	.0001	.0090	-.0007	7.769	-.0019	.0073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84164.**	**18945.**	**2112.8**	**4338.4**
Stddev	662.	54.	7.8	14.5
%RSD	.78698	.28757	.36741	.33480
#1	84632.	18983.	2118.3	4348.7
#2	83696.	18906.	2107.3	4328.2

Zoom In Zoom Out

Sample Name: jb68355-4 Acquired: 6/10/2014 20:48:55 Type: Unk
Method: Accutest 2(v79) Mode: 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	**1.245**	**.0018**	**.0105**	**.1182**	**.7961**	**.2040**	**66.82**	**1.477**	**.0370**
Stddev	.037	.0001	.0002	.0009	.0043	.0017	.09	.011	.0064
%RSD	2.990	5.467	2.172	.7340	.5417	.8154	.1410	.7096	17.45
#1	1.271	.0019	.0103	.1175	.7931	.2052	66.89	1.469	.0415
#2	1.218	.0017	.0107	.1188	.7992	.2028	66.75	1.484	.0324

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1025**	**.8269**	**.1019**	**.0817**	**.2034**	**.0556**	**.0004**	**73.82**	**183.5**
Stddev	.0010	.0041	.0015	.0027	.0003	.0000	.0010	2.11	5.6
%RSD	.9459	.4978	1.451	3.339	.1705	.0348	232.5	2.860	3.049
#1	.1032	.8240	.1009	.0836	.2036	.0556	-.0003	75.31	187.4
#2	.1018	.8299	.1030	.0797	.2032	.0556	.0011	72.32	179.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**286.6**	**32.29**	**4.823**	**9.300**	**.1221**	**.0121**	**-.0064**	**50.11**	**-.0027**
Stddev	8.4	1.04	.103	.290	.0007	.0003	.0020	.61	.0004
%RSD	2.938	3.210	2.129	3.121	.6115	2.483	30.44	1.214	14.65
#1	292.5	33.03	4.896	9.506	.1216	.0119	-.0050	49.68	-.0024
#2	280.6	31.56	4.751	9.095	.1226	.0123	-.0078	50.54	-.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7691**	**.9397**	**.0598**	**-.0028**	**35.01**	**.0676**	**.1096**
Stddev	.0226	.0076	.0011	.0007	.45	.0022	.0025
%RSD	2.939	.8131	1.808	25.48	1.275	3.306	2.282
#1	.7851	.9343	.0590	-.0023	34.69	.0660	.1114
#2	.7531	.9451	.0606	-.0033	35.32	.0691	.1079

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84934.**	**19370.**	**2159.5**	**4312.2**
Stddev	58.	610.	16.1	26.5
%RSD	.06800	3.1478	.74515	.61414
#1	84975.	18938.	2170.9	4331.0
#2	84894.	19801.	2148.1	4293.5

Zoom In Zoom Out

Sample Name: jb68355-5 Acquired: 6/10/2014 20:52:03 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0420**	**-.0001**	**.0004**	**.0009**	**.0025**	**.0015**	**.1480**	**.0077**	**-.0003**
Stddev	.0010	.0001	.0003	.0001	.0005	.0005	.0002	.0005	.0007
%RSD	2.414	138.0	84.78	8.161	20.49	36.50	.1154	7.079	238.1
#1	.0427	-.0000	.0001	.0008	.0029	.0011	.1481	.0074	-.0008
#2	.0413	-.0001	.0006	.0009	.0021	.0019	.1479	.0081	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0073**	**.0000**	**.0016**	**.0060**	**.0008**	**-.0016**	**.7746**	**67.43**
Stddev	.0006	.0003	.0003	.0023	.0007	.0002	.0014	.0207	1.49
%RSD	34.35	3.558	1513.	141.3	11.86	25.74	92.64	2.672	2.211
#1	.0014	.0075	.0003	.0032	.0055	.0010	-.0026	.7893	68.48
#2	.0023	.0071	-.0002	.0000	.0065	.0007	-.0005	.7600	66.38

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9953**	**11.51**	**1.393**	**34.07**	**.0355**	**.0009**	**.0002**	**4.801**	**-.0013**
Stddev	.0284	.35	.078	.86	.0001	.0002	.0018	.033	.0001
%RSD	2.849	3.081	5.591	2.536	.2312	24.75	792.1	.6814	11.19
#1	1.015	11.76	1.448	34.68	.0355	.0008	.0015	4.778	-.0014
#2	.9753	11.26	1.338	33.46	.0354	.0011	-.0010	4.824	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3170**	**.0180**	**.0058**	**-.0007**	**3.497**	**-.0007**	**.0045**
Stddev	.0088	.0019	.0008	.0001	.018	.0002	.0014
%RSD	2.790	10.55	13.39	11.64	.5163	23.44	30.72
#1	.3232	.0193	.0053	-.0008	3.484	-.0006	.0055
#2	.3107	.0166	.0064	-.0007	3.510	-.0008	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85207.**	**18631.**	**2135.4**	**4393.8**
Stddev	94.	334.	9.7	17.4
%RSD	.11051	1.7921	.45621	.39604
#1	85140.	18395.	2142.3	4406.1
#2	85273.	18867.	2128.5	4381.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 20:55:11 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.957**	**1.896**	**1.946**	**1.951**	**1.973**	**1.891**	**1.971**	**1.975**	**.2362**
Stddev	.057	.058	.006	.007	.001	.005	.002	.007	.0007
%RSD	2.892	3.076	.3144	.3684	.0631	.2422	.0759	.3742	.3028
#1	1.998	1.937	1.950	1.956	1.972	1.887	1.970	1.980	.2367
#2	1.917	1.855	1.942	1.946	1.974	1.894	1.972	1.970	.2357
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	**1.936**	**1.996**	**1.936**	**2.015**	**1.988**	**1.935**	**1.946**	**38.72**	**37.87**
Stddev	.001	.016	.008	.003	.013	.003	.008	1.07	1.15
%RSD	.0659	.8107	.4058	.1441	.6470	.1738	.4276	2.764	3.042
#1	1.935	2.007	1.941	2.018	1.997	1.937	1.952	39.48	38.69
#2	1.936	1.984	1.930	2.013	1.979	1.932	1.941	37.96	37.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.84**	**36.69**	**37.74**	**38.40**	**1.972**	**1.971**	**1.927**	**4.866**	**1.997**
Stddev	1.16	1.17	1.17	1.15	.010	.011	.000	.012	.011
%RSD	3.142	3.180	3.110	2.983	.5253	.5781	.0182	.2454	.5509
#1	37.66	37.51	38.57	39.21	1.979	1.979	1.927	4.875	2.005
#2	36.03	35.86	36.91	37.59	1.965	1.963	1.927	4.858	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: 6/10/2014 20:55:11 Type: QC
Method: Accutest 2(v79) 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	**1.991**	**1.934**	**1.926**	**1.945**	**1.905**	**1.956**	**1.895**
Stddev	.058	.005	.025	.002	.014	.005	.058
%RSD	2.907	.2368	1.270	.0860	.7516	.2568	3.073
#1	2.032	1.930	1.943	1.943	1.915	1.960	1.936
#2	1.950	1.937	1.909	1.946	1.895	1.953	1.854
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	**82717.**	**18106.**	**2136.6**	**4275.6**
Stddev	304.	369.	14.5	24.6
%RSD	.36777	2.0384	.68068	.57510
#1	82932.	17845.	2126.3	4258.2
#2	82501.	18367.	2146.9	4293.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:58:08 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0000**	**-.0001**	**.0002**	**-.0001**	**.0002**	**-.0002**
Stddev	.0001	.0001	.0003	.0001	.0001	.0001	.0000	.0002
%RSD	4457.	1784.	3425.	54.88	74.44	83.76	11.16	92.86
#1	.0001	.0001	.0002	-.0001	.0001	-.0002	.0002	-.0004
#2	-.0001	-.0001	-.0002	-.0002	.0003	-.0000	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0002**	**.0010**	**.0016**	**.0002**	**.0015**	**-.0018**	**-.0016**
Stddev	.0001	.0004	.0001	.0010	.0014	.0004	.0006	.0006
%RSD	17.85	175.2	12.89	62.47	737.5	23.73	33.14	38.79
#1	-.0004	.0005	.0010	.0023	.0012	.0017	-.0022	-.0011
#2	-.0005	-.0000	.0011	.0009	-.0008	.0012	-.0014	-.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	**.0009**	**.0049**	**.0048**	**.0077**	**-.0036**	**-.0082**	**.0022**	**.0008**	
Stddev	.0082	.0006	.0013	.0058	.0053	.0101	.0000	.0002
%RSD	955.1	12.44	27.41	74.88	147.4	122.1	1.500	24.64
#1	.0066	.0045	.0057	.0036	.0002	-.0011	.0021	.0006
#2	-.0049	.0053	.0038	.0118	-.0074	-.0154	.0022	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 20:58:08 Type: QC
Method: Accutest 2(v79) 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**	**.0055**	**.0000**	**.0000**	**-.0000**	F **.0282**	**.0010**	**-.0002**
Stddev	.0015	.0002	.0007	.0001	.0008	.0043	.0000	.0021
%RSD	455.6	2.747	1776.	143.0	1992.	15.18	2.396	1165.
#1	.0007	.0054	-.0005	.0001	.0006	.0251	.0010	.0013
#2	-.0014	.0056	.0005	-.0000	-.0006	.0312	.0010	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0026**	**-.0022**
Stddev	.0009	.0011
%RSD	35.55	52.18
#1	-.0033	-.0014
#2	-.0020	-.0030
Check ?	Chk Fail	Chk Pass
High Limit	.0020	
Low Limit	-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87638.**	**18366.**	**2207.9**	**4762.8**
Stddev	689.	273.	1.4	5.6
%RSD	.78670	1.4869	.06229	.11838
#1	88126.	18172.	2208.9	4766.8
#2	87150.	18559.	2207.0	4758.8

Zoom In Zoom Out

Sample Name: jb68355-6 Acquired: 6/10/2014 21:01:19 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0257**	**-.0000**	**.0002**	**.0005**	**.0146**	**.0012**	**.1032**	**.0177**	**-.0003**
Stddev	.0010	.0000	.0000	.0002	.0002	.0004	.0007	.0003	.0005
%RSD	3.725	32.73	15.10	35.18	1.064	31.00	.7052	1.580	210.9
#1	.0264	-.0000	.0002	.0006	.0145	.0015	.1027	.0175	-.0006
#2	.0251	-.0000	.0002	.0004	.0147	.0010	.1037	.0179	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.0085**	**.0006**	**.0006**	**.0016**	**-.0022**	**-.0000**	**.6537**	**22.90**
Stddev	.0001	.0002	.0008	.0009	.0004	.0011	.0010	.0086	.77
%RSD	8.434	2.431	133.7	149.2	22.09	50.80	3720.	1.322	3.361
#1	.0013	.0083	.0012	.0013	.0014	-.0014	.0007	.6598	23.44
#2	.0012	.0086	.0000	-.0000	.0019	-.0030	-.0008	.6476	22.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.093**	**8.216**	**1.243**	**21.54**	**.0192**	**.0006**	**-.0003**	**3.491**	**-.0002**
Stddev	.037	.257	.015	.71	.0007	.0002	.0011	.042	.0000
%RSD	3.400	3.129	1.175	3.312	3.602	35.62	360.9	1.200	5.955
#1	1.120	8.398	1.253	22.05	.0187	.0005	-.0011	3.462	-.0002
#2	1.067	8.034	1.232	21.04	.0197	.0008	.0005	3.521	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0750**	**.0097**	**.0189**	**.0005**	**4.228**	**-.0033**	**.0000**
Stddev	.0024	.0006	.0009	.0003	.055	.0016	.0001
%RSD	3.142	6.428	4.870	62.02	1.306	48.81	427.7
#1	.0767	.0092	.0183	.0003	4.189	-.0021	-.0000
#2	.0734	.0101	.0196	.0007	4.267	-.0044	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86179.**	**18377.**	**2176.5**	**4552.4**
Stddev	112.	491.	14.4	25.0
%RSD	.13024	2.6744	.66359	.54954
#1	86258.	18030.	2186.7	4570.0
#2	86099.	18725.	2166.3	4534.7

Zoom In Zoom Out

Sample Name: jb68355-7 Acquired: 6/10/2014 21:04:27 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0298**	**-.0001**	**-.0000**	**.0001**	**.0145**	**.0014**	**.0339**	**.0134**	**-.0002**
Stddev	.0074	.0001	.0001	.0001	.0000	.0002	.0002	.0001	.0004
%RSD	24.81	87.46	293.0	63.76	.1760	13.37	.5879	.9691	262.4
#1	.0351	-.0002	.0000	.0001	.0145	.0016	.0341	.0133	-.0005
#2	.0246	-.0000	-.0001	.0002	.0145	.0013	.0338	.0135	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0029**	**.0001**	**-.0003**	**.0006**	**.0002**	**-.0011**	**.1743**	**31.05**
Stddev	.0001	.0003	.0019	.0002	.0015	.0012	.0001	.0388	6.55
%RSD	17.40	10.03	1472.	65.56	230.8	769.7	11.62	22.23	21.08
#1	.0008	.0031	-.0012	-.0005	.0017	.0010	-.0010	.2017	35.68
#2	.0006	.0027	.0015	-.0002	-.0004	-.0007	-.0012	.1469	26.42

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1977**	**10.87**	**1.524**	**28.87**	**.0220**	**.0007**	**-.0001**	**3.587**	**.0002**
Stddev	.0468	2.26	.275	6.00	.0011	.0002	.0004	.015	.0006
%RSD	23.70	20.83	18.07	20.78	4.777	30.46	372.5	.4269	351.0
#1	.2308	12.47	1.719	33.12	.0212	.0005	.0002	3.576	.0006
#2	.1645	9.267	1.329	24.63	.0227	.0008	-.0004	3.598	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1032**	**.0045**	**.0131**	**.0005**	**5.041**	**-.0039**	**.0007**
Stddev	.0227	.0016	.0039	.0005	.010	.0023	.0031
%RSD	21.97	34.74	29.73	90.02	.1912	58.10	435.1
#1	.1192	.0034	.0103	.0008	5.034	-.0055	.0029
#2	.0872	.0056	.0159	.0002	5.048	-.0023	-.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85214.**	*****	**2150.7**	**4493.7**
Stddev	305.	-----	6.1	10.6
%RSD	.35765	-----	.28424	.23551
#1	85430.	-----	2155.0	4501.1
#2	84999.	18926.	2146.3	4486.2

Zoom In Zoom Out

Sample Name: jb68355-8 Acquired: 6/10/2014 21:07:35 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0252**	**-.0001**	**.0005**	**.0002**	**.0145**	**.0010**	**.0357**	**.0133**	**-.0001**
Stddev	.0005	.0000	.0000	.0002	.0004	.0002	.0005	.0005	.0002
%RSD	1.805	47.35	4.844	98.20	2.749	16.25	1.425	3.686	227.6
#1	.0248	-.0001	.0005	.0001	.0143	.0011	.0353	.0137	-.0002
#2	.0255	-.0001	.0005	.0004	.0148	.0009	.0360	.0130	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0043**	**-.0008**	**.0010**	**.0008**	**-.0025**	**-.0018**	**.1938**	**26.46**
Stddev	.0001	.0001	.0008	.0006	.0005	.0007	.0012	.0091	.45
%RSD	6.610	2.657	90.95	56.92	68.38	30.03	68.18	4.709	1.700
#1	.0009	.0042	-.0003	.0006	.0004	-.0019	-.0027	.1873	26.14
#2	.0010	.0043	-.0014	.0014	.0012	-.0030	-.0009	.2002	26.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2370**	**9.247**	**1.332**	**24.52**	**.0222**	**.0004**	**-.0004**	**3.666**	**-.0006**
Stddev	.0034	.106	.025	.37	.0001	.0001	.0010	.033	.0005
%RSD	1.435	1.151	1.840	1.512	.5717	31.29	281.0	.8892	85.89
#1	.2346	9.171	1.315	24.26	.0221	.0005	-.0011	3.643	-.0010
#2	.2394	9.322	1.349	24.78	.0223	.0003	.0004	3.689	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0874**	**.0042**	**.0103**	**-.0001**	**5.064**	**-.0035**	**.0014**
Stddev	.0017	.0003	.0005	.0000	.021	.0014	.0000
%RSD	1.950	6.545	4.723	70.33	.4142	40.58	.6066
#1	.0862	.0044	.0100	-.0000	5.049	-.0045	.0014
#2	.0886	.0040	.0107	-.0001	5.079	-.0025	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86104.**	**19022.**	**2160.3**	**4509.8**
Stddev	819.	243.	8.6	18.2
%RSD	.95141	1.2764	.39672	.40462
#1	86683.	19194.	2166.4	4522.7
#2	85524.	18850.	2154.2	4496.9

Zoom In Zoom Out

Sample Name: jb68355-9 Acquired: 6/10/2014 21:10:43 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0242**	**.0000**	**.0004**	**.0000**	**.0145**	**.0007**	**.0370**	**.0133**	**.0001**
Stddev	.0001	.0000	.0002	.0001	.0002	.0003	.0001	.0001	.0003
%RSD	.5326	148.4	65.38	471.9	1.121	40.71	.2972	.5589	234.2
#1	.0243	-.0000	.0005	-.0001	.0146	.0005	.0369	.0133	.0004
#2	.0241	.0000	.0002	.0001	.0143	.0009	.0371	.0132	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0039**	**-.0002**	**.0010**	**.0017**	**.0004**	**-.0005**	**.1997**	**26.56**
Stddev	.0005	.0002	.0004	.0002	.0005	.0022	.0002	.0020	.14
%RSD	59.74	4.661	173.2	16.35	29.27	589.1	34.89	1.009	.5307
#1	.0005	.0037	-.0005	.0009	.0013	.0019	-.0004	.1983	26.46
#2	.0011	.0040	.0000	.0011	.0020	-.0012	-.0006	.2012	26.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2345**	**9.107**	**1.311**	**24.62**	**.0219**	**.0003**	**-.0013**	**3.591**	**-.0009**
Stddev	.0013	.009	.020	.06	.0008	.0001	.0002	.024	.0002
%RSD	.5684	.0986	1.495	.2269	3.598	40.30	18.12	.6555	17.82
#1	.2336	9.100	1.324	24.58	.0214	.0002	-.0011	3.574	-.0010
#2	.2355	9.113	1.297	24.66	.0225	.0003	-.0015	3.607	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0886**	**.0037**	**.0094**	**-.0004**	**4.987**	**-.0027**	**.0011**
Stddev	.0005	.0005	.0007	.0001	.037	.0017	.0003
%RSD	.5871	13.18	7.917	14.20	.7488	60.65	23.62
#1	.0883	.0040	.0088	-.0004	4.961	-.0039	.0013
#2	.0890	.0033	.0099	-.0003	5.014	-.0016	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85774.**	**19058.**	**2161.9**	**4511.1**
Stddev	498.	81.	8.1	11.5
%RSD	.58032	.42374	.37528	.25436
#1	86126.	19001.	2167.6	4519.2
#2	85422.	19115.	2156.2	4503.0

Zoom In Zoom Out

Sample Name: jb68355-10 Acquired: 6/10/2014 21:13:51 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0253**	**-.0000**	**.0005**	**.0005**	**.0144**	**.0001**	**.0354**	**.0115**	**-.0004**
Stddev	.0006	.0000	.0000	.0002	.0006	.0001	.0002	.0001	.0005
%RSD	2.225	29.21	2.045	48.87	3.928	127.4	.4471	1.159	123.4
#1	.0249	-.0000	.0005	.0003	.0140	.0001	.0353	.0116	-.0001
#2	.0257	-.0000	.0005	.0007	.0148	.0000	.0356	.0114	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0039**	**.0003**	**-.0005**	**.0010**	**.0014**	**-.0019**	**.2156**	**33.57**
Stddev	.0004	.0002	.0003	.0012	.0017	.0002	.0001	.0098	.51
%RSD	35.58	4.042	87.60	218.0	172.8	14.22	6.017	4.529	1.507
#1	.0008	.0038	.0001	.0003	.0022	.0012	-.0018	.2087	33.21
#2	.0013	.0040	.0005	-.0014	-.0002	.0015	-.0020	.2225	33.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2479**	**9.968**	**1.334**	**30.55**	**.0225**	**.0001**	**-.0008**	**3.809**	**-.0007**
Stddev	.0016	.085	.017	.37	.0007	.0001	.0023	.024	.0007
%RSD	.6305	.8482	1.307	1.208	2.946	53.18	279.3	.6379	94.17
#1	.2468	9.908	1.321	30.29	.0230	.0001	-.0024	3.792	-.0002
#2	.2490	10.03	1.346	30.81	.0221	.0002	.0008	3.827	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1210**	**.0054**	**.0078**	**-.0002**	**5.420**	**-.0036**	**.0027**
Stddev	.0017	.0034	.0024	.0003	.031	.0010	.0005
%RSD	1.416	62.68	30.88	114.4	.5800	28.84	18.27
#1	.1198	.0078	.0061	-.0000	5.398	-.0043	.0030
#2	.1222	.0030	.0095	-.0004	5.443	-.0028	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85697.**	**19122.**	**2154.2**	**4472.8**
Stddev	194.	144.	5.6	8.2
%RSD	.22625	.75149	.25853	.18249
#1	85834.	19224.	2158.2	4478.6
#2	85560.	19021.	2150.3	4467.0

Zoom In Zoom Out

Sample Name: jb68355-11 Acquired: 6/10/2014 21:16:59 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0252**	**-.0001**	**.0002**	**.0003**	**.0144**	**.0003**	**.0287**	**.0123**	**-.0001**
Stddev	.0002	.0001	.0001	.0002	.0002	.0006	.0001	.0002	.0000
%RSD	.9872	42.78	36.48	54.57	1.328	211.9	.2760	1.455	35.50
#1	.0251	-.0001	.0001	.0005	.0143	.0007	.0287	.0124	-.0001
#2	.0254	-.0002	.0002	.0002	.0146	-.0001	.0288	.0121	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0032**	**-.0015**	**-.0007**	**.0007**	**-.0006**	**-.0005**	**.2022**	**27.88**
Stddev	.0001	.0001	.0011	.0009	.0003	.0023	.0021	.0040	.31
%RSD	12.64	3.641	68.75	125.6	42.75	400.1	390.5	2.003	1.100
#1	.0010	.0031	-.0008	-.0001	.0009	-.0022	-.0020	.2050	27.66
#2	.0008	.0032	-.0023	-.0013	.0005	.0011	.0009	.1993	28.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2289**	**9.280**	**1.320**	**25.75**	**.0218**	**.0004**	**-.0005**	**3.710**	**-.0011**
Stddev	.0020	.255	.011	.27	.0008	.0001	.0003	.048	.0010
%RSD	.8864	2.744	.8572	1.037	3.577	22.72	58.81	1.284	88.79
#1	.2274	9.100	1.312	25.57	.0212	.0003	-.0003	3.677	-.0004
#2	.2303	9.460	1.328	25.94	.0223	.0005	-.0008	3.744	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0938**	**.0055**	**.0072**	**-.0006**	**5.185**	**-.0026**	**.0001**
Stddev	.0003	.0019	.0007	.0001	.055	.0006	.0008
%RSD	.3550	34.10	9.364	17.43	1.056	23.57	575.4
#1	.0936	.0042	.0067	-.0006	5.147	-.0030	.0007
#2	.0940	.0069	.0076	-.0005	5.224	-.0021	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86068.**	**19159.**	**2156.2**	**4490.1**
Stddev	354.	45.	11.5	13.5
%RSD	.41106	.23498	.53371	.30009
#1	86318.	19190.	2164.3	4499.6
#2	85817.	19127.	2148.0	4480.5

Zoom In Zoom Out

Sample Name: jb68355-12 Acquired: 6/10/2014 21:20:07 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0240**	**-.0001**	**.0002**	**.0001**	**.0138**	**.0007**	**.0152**	**.0096**	**.0000**
Stddev	.0005	.0000	.0001	.0001	.0002	.0007	.0002	.0002	.0002
%RSD	1.967	71.37	23.87	132.0	1.566	98.22	1.085	1.591	2013.
#1	.0236	-.0000	.0003	.0002	.0137	.0002	.0151	.0097	.0002
#2	.0243	-.0001	.0002	.0000	.0140	.0012	.0153	.0095	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0024**	**.0003**	**.0011**	**-.0000**	**-.0034**	**-.0010**	**.1339**	**27.45**
Stddev	.0001	.0000	.0023	.0007	.0001	.0011	.0011	.0078	.58
%RSD	9.406	.0826	816.9	68.38	151.0	31.34	111.2	5.825	2.097
#1	.0007	.0024	.0019	.0005	-.0001	-.0042	-.0002	.1394	27.04
#2	.0008	.0024	-.0013	.0016	.0000	-.0027	-.0018	.1284	27.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1389**	**9.257**	**1.330**	**25.33**	**.0218**	**.0003**	**-.0003**	**3.558**	**-.0002**
Stddev	.0047	.158	.022	.51	.0006	.0002	.0015	.005	.0000
%RSD	3.374	1.705	1.654	2.011	2.831	64.36	436.9	.1386	14.26
#1	.1356	9.146	1.345	24.97	.0213	.0004	-.0014	3.561	-.0002
#2	.1422	9.369	1.314	25.69	.0222	.0002	.0007	3.554	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0920**	**.0027**	**.0075**	**-.0004**	**5.040**	**-.0027**	**.0021**
Stddev	.0019	.0007	.0002	.0001	.007	.0003	.0005
%RSD	2.081	25.80	2.357	14.76	.1373	10.12	25.09
#1	.0906	.0031	.0074	-.0005	5.035	-.0029	.0018
#2	.0933	.0022	.0076	-.0004	5.045	-.0025	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86131.**	**19009.**	**2168.3**	**4524.8**
Stddev	784.	249.	2.5	9.6
%RSD	.90971	1.3085	.11419	.21174
#1	86685.	19185.	2166.6	4518.0
#2	85577.	18834.	2170.1	4531.5

Zoom In Zoom Out

Sample Name: jb68355-13 Acquired: 6/10/2014 21:23:15 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0246**	**-.0001**	**.0002**	**.0008**	**.0141**	**.0014**	**.0386**	**.0107**	**-.0003**
Stddev	.0004	.0000	.0002	.0003	.0005	.0001	.0001	.0006	.0001
%RSD	1.763	37.27	95.58	37.18	3.220	5.089	.2243	5.965	31.15
#1	.0249	-.0001	.0001	.0006	.0138	.0013	.0385	.0102	-.0002
#2	.0243	-.0001	.0003	.0010	.0144	.0014	.0387	.0111	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.0103**	**-.0002**	**.0012**	**.0018**	**.0029**	**-.0010**	**.5494**	**24.97**
Stddev	.0001	.0002	.0001	.0016	.0008	.0005	.0005	.0013	.28
%RSD	5.969	2.007	56.55	133.7	41.65	16.45	44.35	.2354	1.104
#1	.0012	.0102	-.0001	.0024	.0024	.0033	-.0014	.5503	25.17
#2	.0011	.0105	-.0003	.0001	.0013	.0026	-.0007	.5485	24.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8005**	**8.390**	**1.242**	**22.82**	**.0199**	**.0002**	**.0013**	**3.605**	**-.0014**
Stddev	.0101	.089	.028	.27	.0001	.0002	.0007	.017	.0009
%RSD	1.266	1.066	2.274	1.188	.6076	88.08	57.05	.4823	64.51
#1	.8076	8.453	1.262	23.01	.0198	.0001	.0018	3.593	-.0020
#2	.7933	8.327	1.222	22.63	.0200	.0003	.0008	3.617	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0836**	**.0106**	**.0052**	**-.0006**	**4.525**	**-.0020**	**-.0006**
Stddev	.0008	.0009	.0014	.0001	.030	.0005	.0005
%RSD	.9838	8.412	26.49	12.24	.6595	26.62	84.77
#1	.0842	.0100	.0042	-.0006	4.504	-.0024	-.0002
#2	.0830	.0112	.0062	-.0005	4.546	-.0016	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85961.**	**18651.**	**2175.2**	**4539.7**
Stddev	8.	191.	3.7	.9
%RSD	.00903	1.0266	.16807	.02020
#1	85966.	18516.	2177.8	4540.3
#2	85955.	18787.	2172.6	4539.0

Zoom In Zoom Out

Sample Name: jb68355-14 Acquired: 6/10/2014 21:26:23 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0440**	**-.0001**	**.0003**	**.0014**	**.0049**	**.0047**	**.0756**	**.0028**	**-.0002**
Stddev	.0007	.0001	.0001	.0003	.0000	.0004	.0000	.0000	.0003
%RSD	1.588	61.78	45.23	18.46	.2981	8.792	.0577	1.254	130.5
#1	.0445	-.0000	.0004	.0012	.0049	.0044	.0756	.0027	-.0004
#2	.0435	-.0001	.0002	.0016	.0048	.0050	.0756	.0028	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0048**	**.0474**	**.0016**	**.0025**	**.0088**	**-.0013**	**-.0018**	**2.344**	**63.60**
Stddev	.0001	.0003	.0003	.0004	.0002	.0056	.0002	.025	.80
%RSD	1.487	.5840	19.56	15.07	1.907	427.0	9.399	1.065	1.265
#1	.0047	.0472	.0014	.0022	.0089	.0027	-.0019	2.361	64.17
#2	.0048	.0476	.0019	.0027	.0087	-.0053	-.0017	2.326	63.03

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.958**	**33.03**	**1.688**	**30.45**	**.0206**	**.0000**	**.0000**	**5.792**	**-.0011**
Stddev	.054	.52	.026	.45	.0006	.0002	.0010	.018	.0000
%RSD	1.840	1.567	1.546	1.479	2.773	725.1	4209.	.3149	1.589
#1	2.996	33.39	1.707	30.76	.0202	-.0001	.0007	5.779	-.0010
#2	2.919	32.66	1.670	30.13	.0210	.0001	-.0007	5.805	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0832**	**.0645**	**.0075**	**-.0001**	**4.941**	**-.0010**	**.0052**
Stddev	.0012	.0001	.0015	.0001	.022	.0001	.0016
%RSD	1.441	.1469	19.92	108.6	.4405	6.305	31.23
#1	.0840	.0645	.0065	-.0002	4.926	-.0010	.0064
#2	.0823	.0644	.0086	-.0000	4.956	-.0010	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84421.**	**18539.**	**2132.5**	**4357.3**
Stddev	153.	229.	7.2	10.0
%RSD	.18160	1.2339	.33947	.23055
#1	84529.	18378.	2137.6	4364.4
#2	84312.	18701.	2127.3	4350.2

Zoom In Zoom Out

Sample Name: jb68355-15 Acquired: 6/10/2014 21:29:30 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0572**	**-.0001**	**.0003**	**.0006**	**.0013**	**.0018**	**.0321**	**.0004**	**-.0010**
Stddev	.0002	.0000	.0003	.0000	.0000	.0004	.0002	.0004	.0001
%RSD	.3932	51.03	130.0	5.633	.7768	21.81	.5931	104.3	14.42
#1	.0573	-.0001	.0000	.0006	.0013	.0015	.0320	.0006	-.0009
#2	.0570	-.0000	.0005	.0006	.0013	.0021	.0323	.0001	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0272**	**-.0016**	**.0023**	**-.0000**	**-.0000**	**-.0026**	**.0622**	**104.7**
Stddev	.0003	.0001	.0001	.0005	.0006	.0015	.0006	.0033	.0
%RSD	43.06	.2157	7.974	19.71	3947.	4598.	21.95	5.273	.0389
#1	.0010	.0272	-.0015	.0020	.0004	-.0011	-.0030	.0645	104.7
#2	.0005	.0273	-.0017	.0027	-.0004	.0011	-.0022	.0599	104.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1333**	**28.49**	**3.734**	**179.3**	**.1362**	**.0001**	**.0024**	**3.825**	**-.0008**
Stddev	.0028	.09	.010	1.6	.0005	.0001	.0022	.035	.0006
%RSD	2.092	.3277	.2795	.9081	.3315	112.8	91.14	.9102	78.92
#1	.1313	28.56	3.727	180.4	.1365	.0000	.0040	3.800	-.0003
#2	.1352	28.42	3.741	178.1	.1359	.0001	.0009	3.849	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4147**	**.0014**	**.0053**	**-.0007**	**15.25**	**-.0019**	**.0018**
Stddev	.0003	.0005	.0003	.0002	.10	.0000	.0005
%RSD	.0757	36.08	5.482	28.08	.6448	1.910	25.21
#1	.4144	.0010	.0055	-.0009	15.18	-.0019	.0022
#2	.4149	.0018	.0051	-.0006	15.32	-.0019	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81008.**	**18070.**	**2059.2**	**4092.0**
Stddev	98.	20.	6.3	11.4
%RSD	.12155	.11004	.30834	.27939
#1	80939.	18056.	2063.7	4100.1
#2	81078.	18084.	2054.7	4083.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 21:32:44 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.933**	**1.873**	**1.939**	**1.944**	**1.959**	**1.884**	**1.954**	**1.967**	**.2349**
Stddev	.032	.027	.002	.000	.000	.002	.001	.001	.0005
%RSD	1.645	1.439	.0777	.0040	.0155	.1121	.0717	.0663	.1977
#1	1.955	1.892	1.940	1.944	1.959	1.883	1.953	1.968	.2346
#2	1.910	1.854	1.937	1.944	1.958	1.886	1.955	1.966	.2352
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	**1.920**	**1.987**	**1.931**	**2.007**	**1.981**	**1.932**	**1.940**	**38.34**	**37.45**
Stddev	.003	.006	.001	.005	.002	.016	.005	.57	.59
%RSD	.1283	.3099	.0538	.2390	.0957	.8348	.2567	1.478	1.579
#1	1.921	1.991	1.931	2.004	1.982	1.921	1.936	38.74	37.87
#2	1.918	1.982	1.932	2.010	1.979	1.944	1.943	37.94	37.03
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	**36.34**	**36.51**	**37.49**	**37.98**	**1.963**	**1.959**	**1.914**	**4.832**	**1.991**
Stddev	.50	.45	.71	.71	.005	.000	.004	.008	.003
%RSD	1.372	1.224	1.893	1.857	.2781	.0077	.2235	.1591	.1580
#1	36.69	36.82	37.99	38.48	1.959	1.959	1.917	4.827	1.993
#2	35.98	36.19	36.99	37.49	1.967	1.959	1.911	4.838	1.989
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: 6/10/2014 21:32:44 Type: QC
Method: Accutest 2(v79) 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	**1.964**	**1.919**	**1.924**	**1.931**	**1.900**	**1.947**	**1.874**
Stddev	.031	.003	.009	.000	.001	.005	.032
%RSD	1.600	.1346	.4563	.0199	.0483	.2653	1.729
#1	1.986	1.917	1.930	1.931	1.901	1.943	1.897
#2	1.942	1.921	1.918	1.931	1.899	1.951	1.851
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	**83583.**	**18140.**	**2141.4**	**4287.9**
Stddev	119.	197.	8.6	14.3
%RSD	.14231	1.0867	.39977	.33408
#1	83499.	18000.	2135.3	4277.7
#2	83667.	18279.	2147.4	4298.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 21:35:41 Type: QC
Method: Accutest 2(v79) 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**	**.0002**	**.0003**	**.0003**	**.0001**	**.0003**
Stddev	.0004	.0001	.0002	.0001	.0001	.0001	.0000	.0001
%RSD	374.1	2353.	560.1	48.56	45.09	36.59	1.281	35.27
#1	.0004	.0001	.0002	.0001	.0004	.0003	.0001	.0002
#2	-.0002	-.0001	-.0001	.0003	.0002	.0002	.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	**-.0006**	**.0003**	**.0010**	**.0023**	**.0007**	**.0004**	**-.0016**	**.0004**
Stddev	.0001	.0000	.0000	.0004	.0004	.0004	.0000	.0008
%RSD	23.25	14.56	3.916	16.51	49.93	97.40	.7251	210.1
#1	-.0006	.0004	.0010	.0025	.0005	.0007	-.0017	-.0002
#2	-.0005	.0003	.0009	.0020	.0010	.0001	-.0016	.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	**.0024**	**.0050**	**.0064**	**-.0026**	**-.0020**	**-.0250**	**.0014**	**.0009**
Stddev	.0013	.0001	.0013	.0345	.0127	.0017	.0005	.0003
%RSD	56.63	1.934	21.01	1308.	639.5	6.742	39.71	35.92
#1	.0014	.0049	.0074	-.0270	-.0110	-.0238	.0017	.0007
#2	.0033	.0050	.0055	.0218	.0070	-.0262	.0010	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 21:35:41 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0001**	**.0005**	**.0002**	**.0000**	F **.0312**	**.0008**	**.0001**
Stddev	.0007	.0010	.0006	.0003	.0006	.0037	.0001	.0002
%RSD	86.26	954.1	130.1	124.6	1137.	11.87	7.576	402.8
#1	-.0003	-.0006	.0009	.0004	-.0003	.0286	.0008	-.0001
#2	-.0014	.0008	.0000	.0000	.0004	.0338	.0009	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0022**	F **-.0037**
Stddev	.0010	.0010
%RSD	47.17	26.27
#1	-.0029	-.0030
#2	-.0015	-.0044
Check ?	Chk Fail	Chk Fail
High Limit	.0020	.0030
Low Limit	-.0020	-.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87529.**	**18347.**	**2208.8**	**4774.9**
Stddev	232.	318.	7.1	12.1
%RSD	.26463	1.7328	.31936	.25321
#1	87692.	18122.	2213.8	4783.5
#2	87365.	18572.	2203.8	4766.4

Zoom In Zoom Out

Sample Name: jb68355-16 Acquired: 6/10/2014 21:38:52 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0264**	**-.0001**	**.0003**	**.0000**	**.0123**	**.0015**	**.0075**	**.0066**	**-.0003**
Stddev	.0006	.0001	.0001	.0001	.0001	.0002	.0000	.0001	.0001
%RSD	2.152	107.4	47.90	847.6	.5365	15.19	.2560	1.754	35.57
#1	.0260	-.0000	.0004	.0001	.0123	.0013	.0074	.0067	-.0002
#2	.0268	-.0001	.0002	-.0001	.0124	.0017	.0075	.0066	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0029**	**-.0003**	**-.0010**	**.0007**	**-.0006**	**-.0021**	**.1451**	**34.84**
Stddev	.0002	.0000	.0013	.0018	.0003	.0013	.0017	.0122	.42
%RSD	39.79	1.709	444.0	179.1	43.60	233.6	77.91	8.403	1.196
#1	.0006	.0029	.0006	.0003	.0005	.0004	-.0010	.1364	34.54
#2	.0003	.0029	-.0012	-.0023	.0009	-.0015	-.0033	.1537	35.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1355**	**11.71**	**1.543**	**33.54**	**.0279**	**.0006**	**-.0003**	**3.747**	**-.0004**
Stddev	.0057	.09	.002	.22	.0005	.0004	.0003	.015	.0001
%RSD	4.236	.7671	.1575	.6703	1.778	68.53	98.90	.4001	29.48
#1	.1315	11.65	1.545	33.38	.0276	.0003	-.0005	3.736	-.0005
#2	.1396	11.77	1.542	33.70	.0283	.0009	-.0001	3.758	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1125**	**.0030**	**.0239**	**.0001**	**5.880**	**-.0027**	**-.0002**
Stddev	.0009	.0002	.0028	.0002	.035	.0004	.0007
%RSD	.7912	6.083	11.78	133.4	.6020	15.06	375.6
#1	.1119	.0031	.0219	.0000	5.855	-.0024	.0003
#2	.1132	.0029	.0259	.0003	5.905	-.0030	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84836.**	**18745.**	**2138.6**	**4436.0**
Stddev	288.	165.	.9	5.7
%RSD	.33961	.88263	.04408	.12927
#1	85039.	18862.	2139.3	4432.0
#2	84632.	18628.	2138.0	4440.1

Zoom In Zoom Out

Sample Name: jb68355-17 Acquired: 6/10/2014 21:42:00 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0287**	**-.0001**	**.0004**	**.0003**	**.0090**	**.0012**	**.0125**	**.0036**	**-.0002**
Stddev	.0000	.0000	.0001	.0002	.0001	.0002	.0002	.0002	.0008
%RSD	.1513	10.16	21.84	50.40	.8414	13.68	1.942	6.223	377.8
#1	.0287	-.0001	.0004	.0002	.0089	.0013	.0124	.0037	.0004
#2	.0287	-.0001	.0003	.0004	.0090	.0011	.0127	.0034	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0023**	**-.0000**	**-.0001**	**.0010**	**-.0008**	**-.0026**	**.0784**	**45.95**
Stddev	.0003	.0000	.0002	.0003	.0003	.0001	.0018	.0087	.29
%RSD	106.7	.3189	684.2	267.8	33.01	17.64	72.40	11.10	.6326
#1	.0001	.0023	.0001	-.0003	.0012	-.0007	-.0039	.0845	45.74
#2	.0005	.0023	-.0002	.0001	.0008	-.0009	-.0012	.0722	46.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0706**	**16.48**	**1.766**	**41.10**	**.0312**	**.0005**	**.0005**	**3.846**	**-.0009**
Stddev	.0014	.14	.021	.20	.0003	.0001	.0004	.049	.0003
%RSD	2.015	.8384	1.166	.4752	.8791	11.51	69.65	1.266	30.83
#1	.0696	16.38	1.781	40.96	.0310	.0005	.0008	3.880	-.0007
#2	.0716	16.57	1.752	41.24	.0314	.0006	.0003	3.811	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1220**	**.0015**	**.0135**	**-.0005**	**6.625**	**-.0025**	**.0030**
Stddev	.0008	.0004	.0004	.0001	.094	.0008	.0004
%RSD	.6507	28.77	3.064	10.59	1.424	31.69	14.04
#1	.1215	.0018	.0132	-.0006	6.692	-.0019	.0027
#2	.1226	.0012	.0138	-.0005	6.559	-.0030	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83578.**	**18726.**	**2133.3**	**4399.8**
Stddev	1128.	111.	34.6	73.1
%RSD	1.3501	.59417	1.6210	1.6618
#1	84376.	18805.	2108.9	4348.1
#2	82780.	18647.	2157.8	4451.5

Zoom In Zoom Out

Sample Name: jb68355-18 Acquired: 6/10/2014 21:45:08 Type: Unk
Method: Accutest 2(v79) Mode: 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**	**.0002**	**-.0002**	**-.0000**	**.0000**	**.0000**	**-.0000**	**-.0004**
Stddev	.0003	.0000	.0000	.0001	.0001	.0005	.0000	.0002	.0004
%RSD	99.05	34.38	17.14	49.99	13720.	3237.	132.0	492.8	96.62
#1	-.0001	-.0001	.0002	-.0002	-.0001	.0004	.0000	-.0002	-.0006
#2	-.0005	-.0001	.0001	-.0001	.0001	-.0004	.0001	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0009**	**-.0002**	**.0014**	**.0009**	**.0002**	**.0004**	**.0030**	**.0027**
Stddev	.0002	.0001	.0005	.0009	.0012	.0040	.0012	.0044	.0005
%RSD	38.68	6.198	233.2	64.56	126.9	2347.	349.8	147.1	18.78
#1	.0006	.0009	-.0006	.0020	.0001	-.0027	-.0005	.0062	.0024
#2	.0004	.0010	.0001	.0008	.0018	.0030	.0012	-.0001	.0031

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0064**	**-.0194**	**.0185**	**-.0202**	**.0009**	**.0003**	**-.0013**	**.0165**	**.0004**
Stddev	.0000	.0059	.0132	.0031	.0002	.0002	.0010	.0003	.0005
%RSD	.6401	30.21	71.07	15.55	18.84	71.68	73.84	1.939	125.0
#1	.0064	-.0235	.0092	-.0180	.0008	.0004	-.0006	.0162	.0007
#2	.0064	-.0153	.0279	-.0224	.0010	.0001	-.0020	.0167	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**.0068**	**.0001**	**.0038**	**-.0035**	**-.0026**
Stddev	.0000	.0000	.0003	.0000	.0014	.0008	.0005
%RSD	129.0	1.221	3.835	24.35	37.59	22.84	20.64
#1	.0001	-.0002	.0067	.0001	.0048	-.0040	-.0022
#2	.0000	-.0002	.0070	.0001	.0028	-.0029	-.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87810.**	**18831.**	**2215.8**	**4787.7**
Stddev	98.	32.	4.5	20.4
%RSD	.11153	.16888	.20409	.42672
#1	87879.	18809.	2212.6	4773.2
#2	87741.	18853.	2219.0	4802.1

Zoom In Zoom Out

Sample Name: jb68355-19 Acquired: 6/10/2014 21:48:20 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1604**	**.0004**	**.0016**	**.0197**	**.0495**	**.0733**	**.3548**	**.0545**	**.0010**
Stddev	.0027	.0000	.0003	.0003	.0004	.0007	.0001	.0003	.0003
%RSD	1.709	4.886	19.10	1.441	.8219	.8998	.0225	.4994	28.32
#1	.1624	.0004	.0019	.0195	.0492	.0737	.3549	.0543	.0012
#2	.1585	.0005	.0014	.0199	.0498	.0728	.3548	.0547	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0372**	**.4759**	**.0123**	**.0042**	**1.121**	**.0055**	**-.0004**	**21.25**	**118.6**
Stddev	.0002	.0033	.0016	.0001	.008	.0007	.0017	.35	2.0
%RSD	.5627	.6940	12.94	1.339	.7352	13.23	377.2	1.655	1.706
#1	.0371	.4736	.0135	.0042	1.115	.0050	.0007	21.50	120.0
#2	.0374	.4783	.0112	.0041	1.127	.0060	-.0016	21.00	117.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**39.07**	**38.01**	**4.485**	**70.72**	**.0431**	**.0011**	**.0011**	**18.85**	**.0018**
Stddev	.61	.74	.087	1.48	.0003	.0000	.0006	.16	.0008
%RSD	1.556	1.957	1.946	2.100	.7654	4.230	51.74	.8428	41.69
#1	39.50	38.54	4.547	71.77	.0428	.0010	.0015	18.74	.0013
#2	38.64	37.48	4.423	69.67	.0433	.0011	.0007	18.97	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1801**	**.4242**	**.0218**	**.0017**	**8.329**	**.0123**	**.0324**
Stddev	.0031	.0007	.0017	.0000	.070	.0015	.0005
%RSD	1.712	.1635	7.766	2.858	.8340	12.20	1.510
#1	.1823	.4247	.0206	.0018	8.280	.0133	.0320
#2	.1779	.4237	.0230	.0017	8.378	.0112	.0327

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84708.**	**18852.**	**2162.2**	**4219.9**
Stddev	364.	307.	13.8	24.8
%RSD	.42980	1.6284	.64031	.58876
#1	84451.	18635.	2172.0	4237.5
#2	84965.	19069.	2152.4	4202.4

Zoom In Zoom Out

Sample Name: jb68355-20 Acquired: 6/10/2014 21:51:25 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.0366**	**-.0002**	**.0001**	**-.0001**	**.0037**	**.0003**	**.0064**	**.0012**	**-.0005**
Stddev	.0013	.0001	.0003	.0002	.0004	.0001	.0000	.0002	.0001
%RSD	3.551	31.96	209.1	357.8	11.40	28.67	.3136	14.88	27.21
#1	.0357	-.0002	-.0001	.0001	.0034	.0003	.0064	.0011	-.0004
#2	.0375	-.0001	.0004	-.0002	.0040	.0002	.0064	.0013	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0023**	**-.0008**	**-.0006**	**.0010**	**-.0042**	**-.0009**	**.0543**	**44.28**
Stddev	.0002	.0001	.0016	.0004	.0008	.0007	.0003	.0041	1.54
%RSD	61.71	5.441	197.4	62.45	80.73	17.52	35.64	7.608	3.470
#1	.0002	.0022	.0003	-.0009	.0004	-.0037	-.0011	.0572	43.19
#2	.0004	.0024	-.0020	-.0003	.0015	-.0047	-.0007	.0513	45.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0448**	**15.31**	**2.119**	**54.93**	**.0310**	**.0002**	**.0008**	**3.486**	**-.0010**
Stddev	.0046	.53	.054	1.77	.0005	.0001	.0005	.028	.0009
%RSD	10.16	3.445	2.549	3.214	1.760	87.51	69.79	.7891	87.95
#1	.0480	14.94	2.081	53.68	.0306	.0003	.0004	3.467	-.0016
#2	.0416	15.68	2.157	56.18	.0314	.0001	.0012	3.506	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1278**	**.0008**	**.0090**	**-.0002**	**6.939**	**-.0015**	**.0014**
Stddev	.0049	.0004	.0023	.0003	.033	.0006	.0004
%RSD	3.802	47.44	25.73	112.6	.4752	37.63	28.17
#1	.1243	.0006	.0074	-.0004	6.916	-.0019	.0011
#2	.1312	.0011	.0107	-.0000	6.963	-.0011	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84126.**	**18895.**	**2121.1**	**4355.7**
Stddev	18.	421.	14.6	22.5
%RSD	.02099	2.2272	.68775	.51645
#1	84114.	19192.	2131.4	4371.7
#2	84139.	18597.	2110.8	4339.8

Zoom In Zoom Out

Sample Name: mp79887-mb1 2 Acquired: 6/10/2014 21:54:33 Type: Unk
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Empty as of 7PM

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0006**	**-.0001**	**.0002**	**-.0003**	**.0003**	**.0001**	**.0003**	**-.0002**	**-.0003**
Stddev	.0003	.0001	.0000	.0003	.0001	.0003	.0000	.0002	.0004
%RSD	60.16	159.2	20.20	126.2	24.19	516.2	11.29	105.2	131.0
#1	.0008	-.0002	.0002	-.0000	.0002	-.0001	.0003	-.0000	-.0006
#2	.0003	.0000	.0002	-.0005	.0003	.0003	.0003	-.0003	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0046**	**.0011**	**.0009**	**-.0000**	**-.0008**	**-.0003**	**.0067**	**.0905**
Stddev	.0000	.0001	.0001	.0015	.0006	.0007	.0003	.0027	.0045
%RSD	53.29	1.209	6.927	176.0	1493.	86.60	113.9	40.39	4.980
#1	.0001	.0047	.0012	-.0002	-.0005	-.0003	-.0005	.0048	.0937
#2	.0000	.0046	.0011	.0019	.0004	-.0013	-.0001	.0086	.0873

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0343**	**-.0194**	**.0325**	**.0134**	**.0011**	**.0000**	**-.0015**	**.0303**	**.0118**
Stddev	.0008	.0046	.0226	.0099	.0002	.0000	.0006	.0003	.0004
%RSD	2.351	23.61	69.46	74.24	19.48	46.47	38.28	.8430	2.981
#1	.0348	-.0162	.0166	.0204	.0009	.0000	-.0019	.0301	.0115
#2	.0337	-.0226	.0485	.0064	.0012	.0000	-.0011	.0304	.0120

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**.0010**	**.0000**	**.0209**	**-.0040**	**-.0008**
Stddev	.0001	.0004	.0005	.0003	.0020	.0005	.0000
%RSD	26.87	203.7	53.25	857.6	9.667	13.72	5.454
#1	.0003	-.0001	.0006	.0002	.0223	-.0043	-.0009
#2	.0002	.0005	.0014	-.0002	.0195	-.0036	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88984.**	**18479.**	**2227.6**	**4814.2**
Stddev	23.	420.	13.1	25.1
%RSD	.02580	2.2728	.58969	.52153
#1	89001.	18182.	2236.9	4832.0
#2	88968.	18776.	2218.3	4796.5

Zoom In Zoom Out

Sample Name: mp79887-b1 Acquired: 6/10/2014 21:57:44 Type: Unk
Method: Accutest 2(v79) Mode: 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	**3.699**	**.0895**	**.1027**	**.9387**	**.3873**	**.4534**	**.9587**	**.9574**	**.0945**
Stddev	.075	.0022	.0004	.0032	.0025	.0031	.0045	.0038	.0016
%RSD	2.031	2.499	.3954	.3435	.6423	.6866	.4739	.3976	1.726
#1	3.646	.0879	.1024	.9365	.3855	.4512	.9555	.9547	.0934
#2	3.752	.0910	.1029	.9410	.3890	.4556	.9619	.9600	.0957

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9031**	**.9758**	**3.701**	**3.909**	**.9354**	**3.861**	**.9197**	**47.91**	**11.15**
Stddev	.0034	.0033	.014	.012	.0038	.010	.0072	.97	.17
%RSD	.3761	.3349	.3848	.3173	.4034	.2645	.7876	2.032	1.548
#1	.9007	.9735	3.691	3.900	.9327	3.854	.9146	47.22	11.03
#2	.9055	.9782	3.711	3.917	.9380	3.868	.9248	48.60	11.28

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**44.66**	**10.88**	**10.96**	**11.45**	**.0009**	**.0022**	**.0041**	**.0468**	**.0103**
Stddev	.82	.13	.18	.18	.0004	.0002	.0010	.0004	.0012
%RSD	1.838	1.159	1.668	1.551	45.41	9.639	23.30	.9416	11.67
#1	44.08	10.79	10.83	11.32	.0011	.0024	.0048	.0465	.0095
#2	45.24	10.97	11.09	11.58	.0006	.0021	.0034	.0471	.0112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0023**	**.0178**	**.0001**	**.0246**	**.0045**	**-.0035**
Stddev	.0000	.0006	.0000	.0002	.0022	.0006	.0021
%RSD	73.33	26.70	.2265	150.6	8.961	12.27	58.99
#1	.0000	.0019	.0179	-.0000	.0231	.0049	-.0020
#2	.0001	.0027	.0178	.0003	.0262	.0041	-.0049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86047.**	**18930.**	**2185.5**	**4479.6**
Stddev	269.	67.	5.7	12.1
%RSD	.31212	.35403	.26089	.26913
#1	85857.	18883.	2189.6	4488.1
#2	86237.	18978.	2181.5	4471.1

Zoom In Zoom Out

Sample Name: jb68153-1 Acquired: 6/10/2014 22:00:44 Type: Unk
Method: Accutest 2(v79) Mode: 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	**2.024**	**.0060**	**.3156**	**.0625**	**.9942**	**1.536**	**16.91**	**.3634**	**.0755**
Stddev	.006	.0001	.0009	.0004	.0050	.009	.23	.0009	.0007
%RSD	.3088	1.005	.2696	.6415	.5030	.5504	1.383	.2342	.9373
#1	2.028	.0060	.3162	.0628	.9906	1.530	16.74	.3628	.0760
#2	2.019	.0059	.3150	.0622	.9977	1.542	17.07	.3640	.0750

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3196**	**97.79**	**.0948**	**.0092**	**11.25**	**.0124**	**.0320**	**141.5**	**488.4**
Stddev	.0010	.22	.0026	.0014	.01	.0031	.0020	.6	1.7
%RSD	.3091	.2262	2.778	15.53	.1193	25.08	6.303	.4301	.3409
#1	.3189	97.94	.0967	.0102	11.24	.0102	.0335	141.9	489.5
#2	.3203	97.63	.0929	.0082	11.25	.0146	.0306	141.0	487.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**282.7**	**61.92**	**15.51**	**4.461**	**.2164**	**.0533**	**.0252**	**2.287**	**.7059**
Stddev	.8	.05	.13	.033	.0029	.0003	.0014	.007	.0010
%RSD	.2657	.0865	.8652	.7362	1.345	.5593	5.629	.3091	.1372
#1	283.2	61.96	15.60	4.484	.2144	.0535	.0242	2.282	.7065
#2	282.2	61.89	15.41	4.437	.2185	.0531	.0262	2.292	.7052

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.299**	**4.756**	**.5297**	**.1310**	**19.95**	**.2061**	**.1327**
Stddev	.003	.021	.0050	.0004	.06	.0002	.0012
%RSD	.1938	.4439	.9490	.2804	.2816	.0864	.9187
#1	1.301	4.741	.5261	.1307	19.91	.2062	.1335
#2	1.297	4.771	.5333	.1312	19.99	.2059	.1318

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81765.**	**19083.**	**2092.3**	**4043.3**
Stddev	529.	114.	1.9	4.5
%RSD	.64739	.59838	.09078	.11214
#1	82139.	19003.	2093.6	4046.5
#2	81391.	19164.	2090.9	4040.1

Zoom In Zoom Out

Sample Name: jb68173-1 Acquired: 6/10/2014 22:03:55 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.3822**	**.0010**	**.0011**	**.0420**	**.1305**	**.0696**	**1.645**	**.1833**	**.0040**
Stddev	.0106	.0001	.0000	.0006	.0014	.0014	.003	.0011	.0019
%RSD	2.760	11.46	2.571	1.331	1.101	2.045	.1795	.5791	47.75
#1	.3897	.0011	.0011	.0416	.1295	.0707	1.643	.1826	.0053
#2	.3748	.0009	.0012	.0424	.1316	.0686	1.648	.1841	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1599**	**.2406**	**.0252**	**.0044**	**.0518**	**.0043**	**.0025**	**58.68**	**10.33**
Stddev	.0001	.0001	.0007	.0007	.0024	.0011	.0004	1.60	.29
%RSD	.0495	.0383	2.657	15.83	4.648	26.09	15.05	2.721	2.761
#1	.1598	.2405	.0247	.0039	.0535	.0051	.0027	59.81	10.53
#2	.1599	.2407	.0257	.0049	.0501	.0035	.0022	57.56	10.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**96.49**	**20.76**	**10.00**	**.9159**	**.0360**	**.0014**	**.0023**	**1.656**	**.0126**
Stddev	2.67	.62	.26	.0288	.0001	.0005	.0000	.012	.0001
%RSD	2.770	2.987	2.641	3.139	.1778	33.54	.3988	.7039	.6053
#1	98.38	21.20	10.19	.9363	.0361	.0010	.0023	1.648	.0126
#2	94.60	20.32	9.817	.8956	.0360	.0017	.0023	1.665	.0127

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0477**	**2.719**	**.0031**	**.0419**	**.1915**	**.0629**	**.0633**
Stddev	.0012	.005	.0009	.0003	.0046	.0003	.0020
%RSD	2.550	.1830	30.87	.6081	2.421	.4838	3.156
#1	.0486	2.715	.0024	.0421	.1883	.0631	.0648
#2	.0469	2.723	.0037	.0417	.1948	.0626	.0619

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88779.**	**19218.**	**2257.3**	**4513.8**
Stddev	96.	435.	14.0	25.4
%RSD	.10775	2.2618	.61939	.56352
#1	88846.	18911.	2267.2	4531.8
#2	88711.	19526.	2247.4	4495.8

Zoom In Zoom Out

Sample Name: jb68173-2 Acquired: 6/10/2014 22:07:00 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4412**	**.0012**	**.0014**	**.0458**	**.1202**	**.0891**	**1.214**	**.1488**	**.0027**
Stddev	.0076	.0002	.0000	.0013	.0004	.0006	.001	.0026	.0008
%RSD	1.725	14.77	1.581	2.757	.3427	.7152	.0413	1.741	28.21
#1	.4466	.0013	.0014	.0467	.1205	.0896	1.214	.1506	.0032
#2	.4358	.0011	.0014	.0449	.1200	.0887	1.213	.1470	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1779**	**.2714**	**.0230**	**.0055**	**.0704**	**.0041**	**.0004**	**59.24**	**12.72**
Stddev	.0004	.0053	.0004	.0027	.0015	.0035	.0018	.88	.17
%RSD	.2504	1.935	1.915	49.31	2.146	85.21	440.1	1.484	1.375
#1	.1776	.2751	.0233	.0036	.0715	.0066	.0016	59.86	12.84
#2	.1782	.2677	.0227	.0075	.0693	.0016	-.0008	58.62	12.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**100.7**	**21.00**	**11.51**	**1.068**	**.0399**	**.0015**	**.0015**	**1.510**	**.0119**
Stddev	1.6	.24	.16	.018	.0001	.0001	.0004	.027	.0003
%RSD	1.570	1.156	1.348	1.702	.1789	5.919	27.99	1.763	2.567
#1	101.8	21.17	11.62	1.081	.0399	.0014	.0018	1.529	.0121
#2	99.53	20.83	11.40	1.055	.0398	.0016	.0012	1.492	.0117

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0597**	**3.023**	**.0017**	**.0417**	**.3321**	**.0716**	**.0752**
Stddev	.0013	.002	.0004	.0001	.0056	.0014	.0018
%RSD	2.245	.0522	24.97	.1472	1.676	2.004	2.341
#1	.0607	3.022	.0014	.0416	.3361	.0706	.0764
#2	.0588	3.024	.0020	.0417	.3282	.0726	.0739

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88714.**	**19456.**	**2306.3**	**4575.3**
Stddev	785.	3.	32.2	59.6
%RSD	.88456	.01300	1.3963	1.3022
#1	88159.	19458.	2283.5	4533.2
#2	89269.	19455.	2329.0	4617.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 22:10:05 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.927**	**1.864**	**1.941**	**1.945**	**1.946**	**1.869**	**1.946**	**1.967**	**.2327**
Stddev	.017	.011	.002	.005	.000	.004	.001	.001	.0012
%RSD	.8686	.5891	.0821	.2462	.0151	.2292	.0515	.0257	.5043
#1	1.938	1.872	1.940	1.942	1.945	1.866	1.947	1.967	.2318
#2	1.915	1.856	1.942	1.948	1.946	1.872	1.945	1.968	.2335
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	**1.909**	**1.986**	**1.934**	**1.999**	**1.985**	**1.936**	**1.939**	**38.10**	**37.15**
Stddev	.000	.002	.002	.007	.000	.013	.005	.24	.21
%RSD	.0226	.1129	.0839	.3650	.0108	.6627	.2556	.6322	.5578
#1	1.908	1.988	1.932	1.993	1.985	1.927	1.936	38.27	37.30
#2	1.909	1.985	1.935	2.004	1.986	1.945	1.943	37.93	37.01
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	**36.19**	**36.12**	**37.15**	**37.87**	**1.962**	**1.960**	**1.891**	**4.833**	**1.991**
Stddev	.18	.01	.32	.35	.004	.003	.008	.016	.004
%RSD	.5074	.0402	.8564	.9356	.1873	.1605	.4015	.3372	.2035
#1	36.32	36.13	37.38	38.12	1.959	1.958	1.886	4.821	1.988
#2	36.06	36.11	36.93	37.62	1.965	1.962	1.896	4.844	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: 6/10/2014 22:10:05 Type: QC
Method: Accutest 2(v79) 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	**1.961**	**1.910**	**1.930**	**1.920**	**1.898**	**1.946**	**1.864**
Stddev	.013	.002	.007	.003	.004	.005	.014
%RSD	.6515	.0900	.3427	.1737	.1834	.2759	.7671
#1	1.970	1.911	1.935	1.918	1.895	1.943	1.874
#2	1.952	1.909	1.925	1.923	1.900	1.950	1.854
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	**83186.**	**18155.**	**2136.3**	**4274.1**
Stddev	396.	129.	3.8	1.8
%RSD	.47646	.71171	.17736	.04211
#1	82905.	18063.	2133.6	4272.8
#2	83466.	18246.	2139.0	4275.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:13:02 Type: QC
Method: Accutest 2(v79) 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**	**.0002**	**.0000**	**-.0009**	**.0001**	**.0001**
Stddev	.0003	.0000	.0003	.0001	.0000	.0002	.0000	.0000
%RSD	438.6	50.03	804.9	25.30	805.4	23.59	5.939	20.12
#1	.0003	.0001	-.0002	.0003	-.0000	-.0007	.0001	.0002
#2	-.0001	.0000	.0002	.0002	.0000	-.0010	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0002**	**.0009**	**.0017**	**-.0003**	**.0007**	**-.0030**	**-.0008**
Stddev	.0002	.0000	.0001	.0009	.0009	.0002	.0008	.0001
%RSD	26.26	32.28	6.677	49.79	288.1	34.04	28.22	9.818
#1	-.0008	.0001	.0010	.0011	.0003	.0005	-.0036	-.0009
#2	-.0006	.0002	.0009	.0024	-.0009	.0008	-.0024	-.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	**-.0013**	**.0024**	**.0042**	**-.0251**	**-.0017**	**-.0444**	**.0017**	**.0011**
Stddev	.0010	.0008	.0007	.0044	.0036	.0051	.0011	.0002
%RSD	81.82	33.33	17.75	17.55	208.1	11.59	65.09	15.37
#1	-.0005	.0018	.0037	-.0282	-.0043	-.0408	.0024	.0010
#2	-.0020	.0030	.0047	-.0220	.0008	-.0481	.0009	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:13:02 Type: QC
Method: Accutest 2(v79) 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	**-.0019**	**.0024**	**.0008**	**.0002**	**-.0004**	F **.0282**	**.0008**	**.0016**
Stddev	.0001	.0017	.0004	.0001	.0004	.0035	.0001	.0026
%RSD	6.869	70.64	45.26	42.12	100.1	12.50	17.03	161.3
#1	-.0018	.0012	.0005	.0002	-.0006	.0257	.0007	.0035
#2	-.0020	.0035	.0011	.0001	-.0001	.0307	.0008	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0021**	F **-.0033**
Stddev	.0001	.0013
%RSD	3.519	40.36
#1	-.0020	-.0024
#2	-.0021	-.0043
Check ?	Chk Fail	Chk Fail
High Limit	.0020	.0030
Low Limit	-.0020	-.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88032.**	**18194.**	**2216.7**	**4781.2**
Stddev	224.	361.	20.1	42.7
%RSD	.25391	1.9853	.90689	.89239
#1	88190.	17938.	2230.9	4811.4
#2	87874.	18449.	2202.4	4751.0

Zoom In Zoom Out

Sample Name: jb68173-3 Acquired: 6/10/2014 22:16:14 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4090**	**.0006**	**.0029**	**.0552**	**.1526**	**.1237**	**1.849**	**.2497**	**.0034**
Stddev	.0042	.0001	.0003	.0005	.0000	.0012	.007	.0000	.0012
%RSD	1.021	8.091	11.49	.9033	.0014	.9617	.3847	.0045	36.59
#1	.4120	.0007	.0026	.0556	.1526	.1245	1.844	.2497	.0043
#2	.4061	.0006	.0031	.0549	.1526	.1228	1.854	.2497	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2085**	**.2819**	**.0312**	**.0036**	**.0765**	**.0055**	**.0025**	**60.83**	**25.80**
Stddev	.0006	.0016	.0007	.0009	.0006	.0025	.0009	.56	.23
%RSD	.3089	.5754	2.248	24.39	.7249	44.71	35.06	.9152	.9080
#1	.2081	.2830	.0307	.0043	.0761	.0038	.0019	61.22	25.96
#2	.2090	.2808	.0317	.0030	.0769	.0072	.0031	60.44	25.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**111.5**	**32.95**	**13.21**	**1.971**	**.0425**	**.0017**	**.0021**	**2.671**	**.0125**
Stddev	1.1	.25	.16	.021	.0001	.0001	.0011	.001	.0004
%RSD	.9848	.7511	1.226	1.068	.1539	3.526	53.02	.0186	3.532
#1	112.3	33.12	13.32	1.986	.0425	.0018	.0013	2.670	.0122
#2	110.8	32.77	13.09	1.956	.0426	.0017	.0029	2.671	.0128

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0806**	**3.833**	**.0188**	**.0481**	**.3891**	**.0883**	**.0762**
Stddev	.0011	.012	.0011	.0003	.0001	.0001	.0006
%RSD	1.390	.3141	5.828	.7165	.0184	.0581	.7942
#1	.0813	3.824	.0195	.0479	.3891	.0883	.0767
#2	.0798	3.841	.0180	.0484	.3892	.0883	.0758

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87829.**	**19157.**	**2240.3**	**4417.7**
Stddev	271.	166.	9.6	15.9
%RSD	.30875	.86773	.43031	.36015
#1	88021.	19040.	2233.5	4406.5
#2	87637.	19275.	2247.1	4429.0

Zoom In Zoom Out

Sample Name: jb68173-4 Acquired: 6/10/2014 22:19:19 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.3361**	**.0004**	**.0011**	**.0388**	**.1101**	**.0864**	**1.616**	**.1842**	**.0038**
Stddev	.0063	.0001	.0003	.0023	.0002	.0007	.004	.0080	.0012
%RSD	1.887	16.03	29.27	5.854	.1792	.7911	.2693	4.347	31.47
#1	.3406	.0004	.0008	.0372	.1099	.0869	1.613	.1785	.0047
#2	.3316	.0005	.0013	.0404	.1102	.0859	1.619	.1898	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1369**	**.3049**	**.0226**	**.0025**	**.0625**	**.0063**	**.0000**	**45.82**	**29.15**
Stddev	.0001	.0127	.0006	.0002	.0029	.0018	.0001	.87	.66
%RSD	.1023	4.174	2.777	7.808	4.687	28.18	287.0	1.902	2.252
#1	.1370	.2959	.0222	.0024	.0604	.0076	-.0000	46.44	29.61
#2	.1368	.3139	.0230	.0027	.0646	.0051	.0001	45.21	28.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**83.66**	**26.33**	**9.718**	**1.265**	**.0358**	**.0017**	**.0015**	**1.685**	**.0134**
Stddev	1.68	.66	.192	.021	.0013	.0000	.0002	.082	.0000
%RSD	2.010	2.514	1.975	1.685	3.759	1.657	14.24	4.882	.3229
#1	84.85	26.79	9.854	1.280	.0348	.0017	.0013	1.627	.0134
#2	82.47	25.86	9.582	1.250	.0367	.0017	.0016	1.743	.0134

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0775**	**2.575**	**.0093**	**.0353**	**.2887**	**.0582**	**.0612**
Stddev	.0010	.008	.0025	.0003	.0160	.0002	.0012
%RSD	1.341	.3219	26.52	.9208	5.526	.2774	1.889
#1	.0783	2.569	.0076	.0351	.2774	.0581	.0620
#2	.0768	2.580	.0111	.0355	.2999	.0583	.0604

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88308.**	**18974.**	**2181.7**	**4363.1**
Stddev	120.	479.	79.6	157.1
%RSD	.13560	2.5224	3.6508	3.6003
#1	88223.	18636.	2238.0	4474.2
#2	88393.	19313.	2125.3	4252.0

Zoom In Zoom Out

Sample Name: jb68173-5 Acquired: 6/10/2014 22:22:24 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.5020**	**.0017**	**.0013**	**.0409**	**.1200**	**.0987**	**.8871**	**.1549**	**.0018**
Stddev	.0117	.0001	.0002	.0004	.0014	.0003	.0008	.0014	.0010
%RSD	2.326	5.796	16.74	.9169	1.209	.3408	.0890	.8829	57.79
#1	.5103	.0017	.0011	.0406	.1210	.0990	.8877	.1539	.0026
#2	.4938	.0016	.0014	.0411	.1189	.0985	.8866	.1559	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1626**	**.2689**	**.0280**	**.0030**	**.1307**	**.0024**	**.0007**	**68.99**	**7.967**
Stddev	.0000	.0015	.0009	.0028	.0001	.0028	.0007	1.41	.191
%RSD	.0048	.5418	3.118	91.13	.1125	115.8	112.6	2.046	2.395
#1	.1626	.2679	.0286	.0050	.1308	.0044	.0001	69.99	8.102
#2	.1626	.2700	.0274	.0011	.1306	.0004	.0012	67.99	7.833

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.94**	**18.17**	**9.906**	**.9158**	**.0407**	**.0016**	**.0022**	**1.778**	**.0139**
Stddev	1.92	.36	.213	.0222	.0009	.0002	.0015	.014	.0001
%RSD	2.212	1.977	2.147	2.421	2.284	13.39	66.37	.8034	1.053
#1	88.30	18.42	10.06	.9314	.0400	.0014	.0012	1.768	.0138
#2	85.58	17.92	9.755	.9001	.0413	.0017	.0032	1.788	.0140

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0538**	**2.476**	**.0076**	**.0385**	**.4006**	**.0602**	**.0658**
Stddev	.0011	.000	.0003	.0001	.0040	.0003	.0015
%RSD	1.998	.0053	3.698	.1749	.9917	.5121	2.336
#1	.0545	2.476	.0074	.0385	.3978	.0604	.0669
#2	.0530	2.477	.0078	.0386	.4034	.0600	.0647

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88604.**	**19347.**	**2267.0**	**4514.9**
Stddev	275.	505.	5.3	10.0
%RSD	.31020	2.6086	.23460	.22041
#1	88410.	18990.	2270.8	4522.0
#2	88799.	19704.	2263.2	4507.9

Zoom In Zoom Out

Sample Name: jb68173-6 Acquired: 6/10/2014 22:25:29 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.3947**	**.0016**	**.0010**	**.0331**	**.1069**	**.0725**	**.6726**	**.1285**	**.0025**
Stddev	.0041	.0000	.0000	.0004	.0002	.0005	.0019	.0001	.0001
%RSD	1.027	.9618	2.149	1.177	.2166	.6589	.2759	.1142	3.908
#1	.3975	.0016	.0010	.0334	.1068	.0722	.6712	.1286	.0026
#2	.3918	.0017	.0010	.0328	.1071	.0729	.6739	.1284	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1480**	**.2803**	**.0286**	**.0021**	**.0663**	**.0036**	**-.0003**	**58.50**	**7.632**
Stddev	.0002	.0002	.0019	.0009	.0023	.0007	.0001	.38	.040
%RSD	.1293	.0795	6.813	41.74	3.425	19.03	25.09	.6421	.5224
#1	.1482	.2804	.0299	.0027	.0647	.0031	-.0004	58.77	7.660
#2	.1479	.2801	.0272	.0015	.0679	.0041	-.0003	58.24	7.604

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**88.38**	**15.70**	**8.312**	**.8270**	**.0349**	**.0018**	**.0017**	**1.614**	**.0132**
Stddev	.34	.17	.094	.0064	.0008	.0002	.0010	.004	.0006
%RSD	.3873	1.086	1.132	.7771	2.195	8.785	60.44	.2756	4.807
#1	88.62	15.82	8.378	.8316	.0343	.0017	.0010	1.610	.0137
#2	88.14	15.57	8.245	.8225	.0354	.0019	.0024	1.617	.0128

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0493**	**2.007**	**.0066**	**.0397**	**.2509**	**.0429**	**.0599**
Stddev	.0003	.008	.0001	.0001	.0025	.0005	.0002
%RSD	.6208	.3943	1.414	.1820	.9958	1.087	.3354
#1	.0495	2.001	.0066	.0398	.2491	.0432	.0601
#2	.0490	2.012	.0065	.0397	.2527	.0425	.0598

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88997.**	**19118.**	**2260.8**	**4526.9**
Stddev	55.	47.	6.9	9.0
%RSD	.06129	.24352	.30698	.19828
#1	89036.	19085.	2255.9	4520.6
#2	88958.	19151.	2265.8	4533.3

Zoom In Zoom Out

Sample Name: jb68173-7 Acquired: 6/10/2014 22:28:34 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.5173**	**.0013**	**.0020**	**.0654**	**.1657**	**.1246**	**2.343**	**.2538**	**.0036**
Stddev	.0081	.0001	.0002	.0008	.0004	.0000	.009	.0009	.0015
%RSD	1.566	5.030	10.33	1.197	.2705	.0171	.3852	.3638	42.45
#1	.5230	.0013	.0019	.0649	.1654	.1246	2.337	.2531	.0047
#2	.5115	.0014	.0022	.0660	.1660	.1246	2.350	.2544	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2233**	**.3560**	**.0241**	**.0053**	**.0781**	**.0094**	**.0035**	**72.94**	**23.12**
Stddev	.0015	.0024	.0006	.0002	.0006	.0000	.0008	.98	.32
%RSD	.6716	.6735	2.353	2.941	.8013	.0016	22.95	1.342	1.365
#1	.2222	.3543	.0245	.0052	.0777	.0094	.0030	73.63	23.35
#2	.2243	.3577	.0237	.0054	.0786	.0094	.0041	72.24	22.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.9**	**37.91**	**17.97**	**1.615**	**.0683**	**.0019**	**.0036**	**2.343**	**.0129**
Stddev	1.9	.66	.34	.027	.0012	.0003	.0019	.022	.0011
%RSD	1.459	1.730	1.917	1.646	1.771	14.65	52.67	.9344	8.820
#1	129.2	38.37	18.21	1.634	.0674	.0017	.0050	2.328	.0121
#2	126.6	37.45	17.72	1.596	.0691	.0021	.0023	2.359	.0137

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0940**	**4.071**	**.0078**	**.0573**	**.2578**	**.0966**	**.0910**
Stddev	.0017	.012	.0006	.0003	.0036	.0005	.0036
%RSD	1.816	.3019	7.401	.4870	1.390	.5350	3.929
#1	.0952	4.062	.0074	.0571	.2552	.0970	.0935
#2	.0928	4.080	.0082	.0575	.2603	.0963	.0884

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87821.**	**19275.**	**2236.6**	**4396.8**
Stddev	50.	168.	13.9	23.9
%RSD	.05681	.87069	.61946	.54384
#1	87857.	19157.	2246.4	4413.7
#2	87786.	19394.	2226.8	4379.9

Zoom In Zoom Out

Sample Name: jb68173-8 Acquired: 6/10/2014 22:31:49 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4994**	**.0007**	**.0014**	**.0645**	**.1818**	**.1143**	**1.158**	**.2873**	**.0045**
Stddev	.0166	.0000	.0003	.0005	.0022	.0017	.010	.0004	.0016
%RSD	3.327	3.867	22.56	.8099	1.193	1.521	.8488	.1486	36.00
#1	.5111	.0007	.0012	.0649	.1833	.1155	1.164	.2876	.0057
#2	.4876	.0007	.0016	.0642	.1803	.1130	1.151	.2870	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2008**	**.2928**	**.0200**	**.0064**	**.0622**	**.0051**	**.0033**	**62.85**	**20.31**
Stddev	.0027	.0011	.0021	.0009	.0012	.0001	.0009	1.98	.68
%RSD	1.323	.3814	10.63	14.33	1.895	1.904	28.49	3.155	3.369
#1	.2027	.2936	.0215	.0071	.0630	.0052	.0026	64.26	20.80
#2	.1989	.2920	.0185	.0058	.0614	.0050	.0039	61.45	19.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**112.2**	**31.91**	**13.57**	**2.993**	**.0408**	**.0016**	**.0027**	**1.614**	**.0133**
Stddev	3.8	.85	.44	.104	.0003	.0001	.0006	.002	.0008
%RSD	3.386	2.664	3.253	3.481	.8469	3.673	21.17	.1449	5.657
#1	114.9	32.52	13.89	3.067	.0406	.0017	.0023	1.616	.0138
#2	109.5	31.31	13.26	2.920	.0411	.0016	.0031	1.613	.0128

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0922**	**3.383**	**.0051**	**.0477**	**.7453**	**.0782**	**.0869**
Stddev	.0032	.028	.0006	.0007	.0002	.0005	.0029
%RSD	3.455	.8392	12.71	1.399	.0257	.5900	3.363
#1	.0944	3.404	.0046	.0482	.7455	.0786	.0889
#2	.0899	3.363	.0055	.0472	.7452	.0779	.0848

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88217.**	**18881.**	**2240.8**	**4424.9**
Stddev	917.	553.	.1	11.1
%RSD	1.0392	2.9287	.00325	.25017
#1	87568.	18490.	2240.8	4417.1
#2	88865.	19272.	2240.7	4432.8

Zoom In Zoom Out

Sample Name: jb68173-9 Acquired: 6/10/2014 22:34:50 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.6010**	**.0001**	**.0014**	**.0690**	**.2360**	**.1377**	**1.356**	**.3058**	**.0036**
Stddev	.0101	.0001	.0001	.0005	.0021	.0013	.010	.0003	.0019
%RSD	1.673	184.1	7.070	.7131	.8843	.9197	.7540	.0956	53.30
#1	.6081	-.0000	.0013	.0687	.2345	.1368	1.349	.3056	.0049
#2	.5939	.0002	.0015	.0694	.2375	.1386	1.364	.3060	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2687**	**.3270**	**.0254**	**.0051**	**.0667**	**.0072**	**.0047**	**72.80**	**28.26**
Stddev	.0020	.0006	.0009	.0032	.0005	.0029	.0004	1.09	.56
%RSD	.7503	.1963	3.376	62.38	.7007	40.57	8.178	1.502	1.976
#1	.2673	.3266	.0248	.0029	.0670	.0051	.0044	73.57	28.66
#2	.2701	.3275	.0260	.0074	.0663	.0093	.0050	72.03	27.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**128.2**	**38.42**	**17.27**	**3.515**	**.0483**	**.0014**	**-.0000**	**1.706**	**.0131**
Stddev	2.0	.59	.30	.067	.0005	.0002	.0005	.011	.0005
%RSD	1.558	1.537	1.761	1.917	.9399	13.05	17030.	.6219	3.990
#1	129.6	38.84	17.48	3.562	.0479	.0012	.0003	1.699	.0128
#2	126.8	38.00	17.05	3.467	.0486	.0015	-.0003	1.714	.0135

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1215**	**4.719**	**.0049**	**.0558**	**.4522**	**.1032**	**.0932**
Stddev	.0018	.042	.0022	.0004	.0017	.0001	.0003
%RSD	1.471	.8935	45.54	.6771	.3751	.1344	.3238
#1	.1228	4.689	.0033	.0555	.4510	.1033	.0934
#2	.1203	4.749	.0065	.0561	.4534	.1031	.0929

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89268.**	**19356.**	**2258.3**	**4389.2**
Stddev	1029.	156.	10.2	13.9
%RSD	1.1522	.80560	.45105	.31676
#1	89995.	19246.	2265.5	4399.0
#2	88541.	19466.	2251.1	4379.3

Zoom In Zoom Out

Sample Name: jb68173-10 Acquired: 6/10/2014 22:37:54 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4507**	**-.0001**	**.0012**	**.0516**	**.1904**	**.1044**	**1.052**	**.2797**	**.0013**
Stddev	.0156	.0001	.0001	.0001	.0006	.0001	.002	.0006	.0014
%RSD	3.455	159.9	7.834	.1432	.3076	.0860	.1944	.2322	105.8
#1	.4617	-.0002	.0011	.0517	.1908	.1044	1.054	.2801	.0023
#2	.4397	.0000	.0013	.0516	.1900	.1043	1.051	.2792	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2016**	**.2474**	**.0195**	**.0040**	**.0524**	**.0083**	**.0027**	**56.73**	**22.05**
Stddev	.0005	.0005	.0005	.0007	.0009	.0004	.0015	1.81	.71
%RSD	.2607	.2204	2.477	18.59	1.717	5.319	54.97	3.191	3.207
#1	.2013	.2478	.0198	.0045	.0530	.0080	.0017	58.01	22.55
#2	.2020	.2470	.0191	.0035	.0518	.0087	.0038	55.45	21.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**100.6**	**34.03**	**13.91**	**2.862**	**.0427**	**.0009**	**.0005**	**1.828**	**.0127**
Stddev	3.1	1.10	.52	.098	.0005	.0000	.0006	.003	.0009
%RSD	3.082	3.243	3.765	3.425	1.230	3.857	117.9	.1649	7.176
#1	102.8	34.81	14.28	2.932	.0431	.0009	.0010	1.826	.0134
#2	98.38	33.25	13.54	2.793	.0424	.0009	.0001	1.830	.0121

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0970**	**3.807**	**.0029**	**.0441**	**.3431**	**.0836**	**.0680**
Stddev	.0030	.005	.0013	.0002	.0014	.0011	.0018
%RSD	3.135	.1309	45.71	.5461	.4192	1.349	2.695
#1	.0992	3.810	.0020	.0442	.3441	.0844	.0693
#2	.0949	3.803	.0038	.0439	.3421	.0828	.0667

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87854.**	**19081.**	**2244.5**	**4426.3**
Stddev	482.	571.	5.8	13.2
%RSD	.54872	2.9924	.25877	.29742
#1	87513.	18677.	2240.4	4417.0
#2	88195.	19485.	2248.6	4435.6

Zoom In Zoom Out

Sample Name: jb68173-11 Acquired: 6/10/2014 22:40:59 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.4861**	**.0002**	**.0014**	**.0566**	**.1786**	**.1127**	**1.099**	**.2281**	**.0024**
Stddev	.0138	.0000	.0001	.0000	.0021	.0008	.011	.0011	.0030
%RSD	2.829	15.50	5.529	.0358	1.153	.6899	.9873	.4706	126.7
#1	.4959	.0002	.0014	.0566	.1772	.1121	1.091	.2288	.0045
#2	.4764	.0002	.0013	.0566	.1801	.1132	1.106	.2273	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1972**	**.2590**	**.0221**	**.0041**	**.0580**	**.0035**	**.0013**	**63.61**	**22.84**
Stddev	.0025	.0017	.0002	.0015	.0008	.0014	.0014	1.82	.67
%RSD	1.277	.6726	1.055	36.97	1.412	39.54	111.6	2.856	2.927
#1	.1954	.2602	.0222	.0030	.0585	.0045	.0023	64.90	23.31
#2	.1990	.2578	.0219	.0052	.0574	.0025	.0003	62.33	22.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**103.5**	**31.01**	**15.97**	**2.842**	**.0521**	**.0015**	**-.0003**	**2.072**	**.0136**
Stddev	2.9	.88	.50	.088	.0012	.0003	.0002	.003	.0002
%RSD	2.789	2.850	3.135	3.082	2.215	18.30	83.43	.1468	1.295
#1	105.6	31.63	16.33	2.904	.0530	.0017	-.0004	2.074	.0137
#2	101.5	30.38	15.62	2.780	.0513	.0013	-.0001	2.069	.0135

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1031**	**4.074**	**.0048**	**.0502**	**.3750**	**.0892**	**.0754**
Stddev	.0030	.045	.0013	.0005	.0022	.0020	.0009
%RSD	2.913	1.117	27.12	.9847	.5759	2.269	1.183
#1	.1053	4.042	.0058	.0498	.3765	.0878	.0761
#2	.1010	4.106	.0039	.0505	.3735	.0907	.0748

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88399.**	**19366.**	**2269.4**	**4450.2**
Stddev	826.	592.	5.9	10.0
%RSD	.93475	3.0591	.25956	.22551
#1	88984.	18947.	2265.2	4443.2
#2	87815.	19784.	2273.5	4457.3

Zoom In Zoom Out

Sample Name: jb68173-12 Acquired: 6/10/2014 22:44:03 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.7276**	**-.0000**	**.0018**	**.0837**	**.2757**	**.1615**	**1.634**	**.3510**	**.0010**
Stddev	.0049	.0001	.0004	.0009	.0006	.0013	.006	.0006	.0006
%RSD	.6703	1434.	20.65	1.103	.2272	.8309	.3647	.1613	54.18
#1	.7310	-.0001	.0016	.0830	.2762	.1605	1.638	.3506	.0014
#2	.7241	.0001	.0021	.0843	.2753	.1624	1.629	.3514	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3011**	**.3717**	**.0289**	**.0046**	**.0773**	**.0076**	**.0058**	**88.99**	**32.20**
Stddev	.0010	.0003	.0004	.0009	.0015	.0030	.0022	.45	.18
%RSD	.3281	.0806	1.381	18.62	1.898	40.12	37.37	.5084	.5665
#1	.3018	.3715	.0287	.0052	.0763	.0054	.0042	89.31	32.32
#2	.3004	.3719	.0292	.0040	.0784	.0097	.0073	88.67	32.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**145.7**	**45.19**	**21.51**	**4.264**	**.0641**	**.0019**	**-.0000**	**2.176**	**.0138**
Stddev	.7	.49	.17	.035	.0008	.0002	.0003	.012	.0007
%RSD	.5056	1.074	.8003	.8193	1.308	11.65	561.5	.5531	5.225
#1	146.2	45.54	21.63	4.289	.0635	.0017	.0001	2.168	.0143
#2	145.2	44.85	21.38	4.239	.0647	.0021	-.0002	2.185	.0133

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1365**	**5.923**	**.0048**	**.0665**	**1.284**	**.1332**	**.1084**
Stddev	.0006	.019	.0009	.0003	.012	.0000	.0011
%RSD	.4672	.3262	18.21	.4467	.9274	.0352	1.050
#1	.1370	5.937	.0054	.0667	1.275	.1332	.1092
#2	.1361	5.910	.0042	.0663	1.292	.1332	.1076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89121.**	**19854.**	**2274.1**	**4364.0**
Stddev	282.	238.	5.3	12.6
%RSD	.31689	1.1984	.23339	.28812
#1	88921.	19686.	2277.9	4372.9
#2	89320.	20022.	2270.4	4355.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 22:47:07 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.953**	**1.884**	**1.941**	**1.944**	**1.967**	**1.885**	**1.963**	**1.967**	**.2349**
Stddev	.012	.011	.018	.017	.018	.021	.018	.017	.0017
%RSD	.5982	.6022	.9066	.8968	.9382	1.119	.8992	.8459	.7256
#1	1.961	1.892	1.954	1.957	1.980	1.900	1.975	1.979	.2361
#2	1.944	1.876	1.929	1.932	1.954	1.870	1.950	1.956	.2337
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	**1.927**	**1.985**	**1.930**	**2.003**	**1.982**	**1.926**	**1.937**	**38.69**	**37.66**
Stddev	.020	.023	.014	.017	.021	.016	.023	.19	.22
%RSD	1.043	1.141	.7271	.8386	1.079	.8221	1.166	.4904	.5720
#1	1.941	2.001	1.940	2.015	1.997	1.938	1.953	38.82	37.81
#2	1.913	1.969	1.920	1.991	1.967	1.915	1.922	38.55	37.50
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	**36.58**	**36.51**	**37.76**	**38.44**	**1.964**	**1.959**	**1.914**	**4.829**	**1.989**
Stddev	.24	.05	.28	.29	.017	.019	.020	.039	.022
%RSD	.6670	.1462	.7380	.7490	.8497	.9878	1.050	.8006	1.117
#1	36.76	36.48	37.96	38.64	1.976	1.973	1.928	4.856	2.005
#2	36.41	36.55	37.56	38.23	1.952	1.945	1.900	4.801	1.973
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: 6/10/2014 22:47:07 Type: QC
Method: Accutest 2(v79) 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	**1.983**	**1.927**	**1.926**	**1.939**	**1.895**	**1.947**	**1.891**
Stddev	.012	.016	.031	.020	.009	.016	.014
%RSD	.5888	.8266	1.621	1.051	.4937	.8417	.7350
#1	1.991	1.938	1.948	1.953	1.902	1.959	1.901
#2	1.975	1.916	1.904	1.924	1.889	1.936	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	**82737.**	**18061.**	**2137.5**	**4280.6**
Stddev	99.	42.	16.2	31.9
%RSD	.11982	.23100	.75732	.74456
#1	82667.	18090.	2126.1	4258.1
#2	82808.	18031.	2149.0	4303.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:50:04 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**-.0002**	**.0000**	**-.0001**	**.0001**	**-.0004**
Stddev	.0001	.0001	.0001	.0001	.0001	.0003	.0001	.0000
%RSD	166.5	251.6	71.59	39.00	236.3	258.7	82.61	5.797
#1	-.0000	.0001	.0001	-.0002	-.0000	.0001	.0001	-.0004
#2	.0001	-.0000	.0000	-.0001	.0001	-.0004	.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0003**	**.0008**	**.0000**	**.0004**	**.0008**	**-.0027**	**.0005**
Stddev	.0003	.0002	.0001	.0006	.0012	.0001	.0024	.0011
%RSD	152.1	73.19	7.745	1960.	307.3	8.756	88.00	221.5
#1	-.0004	.0002	.0009	.0004	.0012	.0008	-.0044	.0012
#2	.0000	.0005	.0008	-.0004	-.0004	.0007	-.0010	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0060**	**.0008**	**.0051**	**-.0236**	**.0281**	**-.0570**	**.0012**	**.0010**
Stddev	.0106	.0078	.0033	.0235	.0363	.0051	.0001	.0001
%RSD	175.4	942.6	63.63	99.61	129.1	8.859	10.33	10.43
#1	.0014	.0063	.0074	-.0403	.0538	-.0606	.0013	.0009
#2	-.0135	-.0047	.0028	-.0070	.0024	-.0535	.0011	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 22:50:04 Type: QC
Method: Accutest 2(v79) 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**	**.0008**	**.0001**	**-.0002**	F **.0310**	**.0008**	**-.0045**
Stddev	.0001	.0004	.0005	.0001	.0002	.0044	.0000	.0019
%RSD	18.04	81.10	63.41	71.99	147.0	14.31	.3958	42.67
#1	-.0004	.0008	.0004	.0001	-.0003	.0278	.0008	-.0058
#2	-.0003	.0002	.0012	.0000	.0000	.0341	.0008	-.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0021**	**-.0027**
Stddev	.0006	.0011
%RSD	29.29	39.63
#1	-.0017	-.0019
#2	-.0025	-.0034
Check ?	Chk Fail	Chk Pass
High Limit	.0020	
Low Limit	-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87503.**	**18128.**	**2208.5**	**4768.9**
Stddev	117.	396.	3.4	3.9
%RSD	.13351	2.1857	.15311	.08173
#1	87420.	17848.	2206.1	4766.2
#2	87586.	18409.	2210.9	4771.7

Zoom In Zoom Out

Sample Name: jb68173-13 Acquired: 6/10/2014 22:53:16 Type: Unk
Method: Accutest 2(v79) Mode: 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	**2.390**	**.0012**	**.0020**	**.0288**	**.1021**	**.2942**	**1.702**	**.1308**	**.0043**
Stddev	.014	.0000	.0004	.0005	.0000	.0028	.011	.0001	.0014
%RSD	.5956	1.850	20.59	1.621	.0339	.9570	.6292	.0416	32.42
#1	2.400	.0011	.0017	.0285	.1021	.2922	1.694	.1308	.0052
#2	2.380	.0012	.0023	.0292	.1021	.2962	1.709	.1308	.0033

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1112**	**1.339**	**.0594**	**.0037**	**6.567**	**.0218**	**.0003**	**39.15**	**144.9**
Stddev	.0005	.006	.0014	.0002	.004	.0002	.0001	.24	1.4
%RSD	.4567	.4223	2.390	6.330	.0665	.6989	15.31	.6129	.9848
#1	.1108	1.343	.0584	.0036	6.570	.0217	.0003	39.32	145.9
#2	.1116	1.335	.0604	.0039	6.564	.0219	.0004	38.98	143.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**79.99**	**8.443**	**6.684**	**3.706**	**.0695**	**.0291**	**.0055**	**1.899**	**.0803**
Stddev	.27	.095	.081	.039	.0008	.0002	.0003	.005	.0017
%RSD	.3371	1.123	1.205	1.042	1.192	.6019	4.798	.2700	2.070
#1	80.18	8.510	6.741	3.734	.0690	.0290	.0057	1.895	.0815
#2	79.80	8.376	6.627	3.679	.0701	.0292	.0053	1.902	.0792

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6442**	**1.083**	**.0201**	**.0183**	**43.60**	**.0324**	**.0622**
Stddev	.0011	.006	.0014	.0003	.11	.0003	.0025
%RSD	.1748	.5650	7.067	1.617	.2584	.7730	4.042
#1	.6450	1.079	.0191	.0181	43.52	.0322	.0639
#2	.6435	1.088	.0211	.0185	43.67	.0325	.0604

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85244.**	**18827.**	**2168.0**	**4335.0**
Stddev	149.	211.	7.3	13.5
%RSD	.17439	1.1231	.33655	.31073
#1	85349.	18677.	2173.1	4344.5
#2	85139.	18976.	2162.8	4325.4

Zoom In Zoom Out

Sample Name: jb68173-14 Acquired: 6/10/2014 22:56:20 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.3931**	**.0051**	**.0030**	**.0587**	**.2744**	**.0942**	**1.672**	**.2027**	**.0040**
Stddev	.0014	.0001	.0001	.0007	.0019	.0016	.007	.0003	.0001
%RSD	.3503	2.046	1.771	1.167	.7016	1.749	.4023	.1236	2.929
#1	.3940	.0052	.0029	.0592	.2731	.0954	1.668	.2025	.0040
#2	.3921	.0050	.0030	.0583	.2758	.0931	1.677	.2029	.0041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5661**	**.4286**	**.0409**	**.0035**	**.1092**	**.0174**	**.0031**	**169.9**	**34.36**
Stddev	.0012	.0010	.0026	.0001	.0027	.0004	.0010	.8	.22
%RSD	.2199	.2421	6.381	2.235	2.460	2.440	32.47	.4933	.6439
#1	.5652	.4294	.0391	.0035	.1111	.0171	.0024	170.5	34.52
#2	.5670	.4279	.0428	.0036	.1073	.0177	.0038	169.3	34.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**187.4**	**52.03**	**37.21**	**23.67**	**.3937**	**.1247**	**.0095**	**1.571**	**.0128**
Stddev	.7	.37	.34	.21	.0010	.0001	.0011	.003	.0013
%RSD	.3773	.7047	.9149	.8789	.2580	.0481	12.03	.2090	9.888
#1	187.9	52.29	37.45	23.82	.3930	.1246	.0104	1.573	.0119
#2	186.9	51.77	36.97	23.53	.3944	.1247	.0087	1.568	.0136

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3477**	**2.747**	**.0105**	**.0981**	**194.6**	**.0754**	**.4334**
Stddev	.0013	.004	.0004	.0003	.1	.0024	.0044
%RSD	.3782	.1512	4.093	.3065	.0690	3.123	1.018
#1	.3486	2.744	.0108	.0983	194.7	.0737	.4365
#2	.3468	2.750	.0102	.0979	194.5	.0771	.4303

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90116.**	**20072.**	**2301.0**	**4315.1**
Stddev	358.	194.	.2	3.1
%RSD	.39713	.96734	.00793	.07263
#1	90369.	19934.	2300.8	4312.9
#2	89863.	20209.	2301.1	4317.3

Zoom In Zoom Out

Sample Name: jb68264-5 Acquired: 6/10/2014 22:59:21 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.6188**	**-.0005**	**.0040**	**.0539**	**.1921**	**.5785**	**2.682**	**.1474**	**.0029**
Stddev	.0109	.0001	.0004	.0002	.0009	.0020	.006	.0004	.0024
%RSD	1.761	19.77	10.69	.3525	.4704	.3486	.2141	.2714	82.95
#1	.6265	-.0004	.0044	.0541	.1915	.5771	2.678	.1477	.0046
#2	.6111	-.0005	.0037	.0538	.1928	.5799	2.686	.1471	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3045**	**1.059**	**.0401**	**.0068**	**.9315**	**.0043**	**.0041**	**87.24**	**280.4**
Stddev	.0000	.003	.0017	.0006	.0016	.0060	.0013	1.51	5.4
%RSD	.0011	.2663	4.293	8.218	.1701	139.2	32.04	1.734	1.927
#1	.3045	1.061	.0389	.0072	.9304	.0085	.0051	88.31	284.2
#2	.3044	1.057	.0413	.0064	.9326	.0001	.0032	86.17	276.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.2**	**34.82**	**10.02**	**5.285**	**.0892**	**.0087**	**.0152**	**2.932**	**.0334**
Stddev	2.9	.69	.18	.109	.0003	.0003	.0007	.002	.0005
%RSD	2.127	1.973	1.784	2.053	.2849	3.627	4.581	.0696	1.594
#1	140.2	35.31	10.15	5.362	.0893	.0085	.0157	2.934	.0330
#2	136.1	34.34	9.892	5.209	.0890	.0089	.0147	2.931	.0338

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9777**	**4.771**	**.0149**	**.0756**	**7.802**	**.1271**	**.0925**
Stddev	.0205	.016	.0001	.0005	.009	.0009	.0022
%RSD	2.093	.3362	.4837	.6100	.1209	.7047	2.379
#1	.9921	4.760	.0148	.0753	7.795	.1265	.0941
#2	.9632	4.783	.0149	.0759	7.809	.1277	.0910

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83670.**	**19041.**	**2151.7**	**4137.5**
Stddev	565.	359.	1.4	8.3
%RSD	.67514	1.8851	.06657	.20155
#1	84069.	18787.	2150.7	4131.6
#2	83270.	19294.	2152.8	4143.4

Zoom In Zoom Out

Sample Name: mp79887-mb2 2 Acquired: 6/10/2014 23:02:25 Type: Unk
Method: Accutest 2(v79) Mode: 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**	**-.0002**	**.0001**	**.0002**	**-.0001**	**-.0001**	**.0003**	**.0000**	**-.0000**
Stddev	.0005	.0000	.0003	.0004	.0004	.0001	.0001	.0004	.0005
%RSD	377.7	1.472	349.4	190.5	415.5	82.68	34.18	5403.	1138.
#1	.0002	-.0002	-.0001	-.0001	-.0004	-.0001	.0003	.0003	.0003
#2	-.0005	-.0002	.0003	.0006	.0002	-.0002	.0002	-.0003	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**-.0004**	**.0005**	**.0008**	**-.0004**	**.0007**	**-.0008**	**.0149**	**.0226**
Stddev	.0001	.0002	.0013	.0007	.0011	.0022	.0006	.0029	.0079
%RSD	129.0	38.71	251.7	87.74	298.6	309.8	72.46	19.34	35.09
#1	-.0000	-.0003	.0014	.0012	.0004	.0023	-.0004	.0128	.0282
#2	-.0001	-.0006	-.0004	.0003	-.0011	-.0009	-.0013	.0169	.0170

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0236**	**-.0075**	**.0327**	**-.0759**	**.0007**	**-.0001**	**-.0008**	**.0067**	**.0061**
Stddev	.0068	.0244	.0077	.0035	.0006	.0001	.0015	.0004	.0006
%RSD	28.67	324.9	23.56	4.569	82.72	146.5	197.5	6.634	9.374
#1	.0284	-.0247	.0273	-.0784	.0011	.0000	-.0018	.0064	.0065
#2	.0189	.0097	.0382	-.0735	.0003	-.0002	.0003	.0070	.0057

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0001**	**.0000**	**.0003**	**.0086**	**.0002**	**-.0048**
Stddev	.0000	.0000	.0002	.0001	.0022	.0006	.0007
%RSD	7.811	29.36	1909.	25.18	25.20	265.2	14.12
#1	.0002	.0001	.0001	.0003	.0101	.0006	-.0043
#2	.0002	.0001	-.0001	.0002	.0070	-.0002	-.0052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88817.**	**18614.**	**2246.8**	**4859.4**
Stddev	585.	569.	5.9	15.8
%RSD	.65889	3.0578	.26393	.32502
#1	89231.	18211.	2251.0	4870.6
#2	88403.	19016.	2242.7	4848.3

Zoom In Zoom Out

Sample Name: mp79887-b2 2 Acquired: 6/10/2014 23:05:37 Type: Unk
Method: Accutest 2(v79) Mode: 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	**3.719**	**.0897**	**.1057**	**.9456**	**.3862**	**.4551**	**.9612**	**.9656**	**.0934**
Stddev	.027	.0003	.0012	.0052	.0017	.0023	.0038	.0041	.0002
%RSD	.7181	.2991	1.115	.5455	.4447	.4968	.3997	.4274	.2351
#1	3.737	.0895	.1049	.9419	.3874	.4567	.9639	.9626	.0933
#2	3.700	.0899	.1065	.9492	.3850	.4535	.9585	.9685	.0936

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9051**	**.9850**	**3.822**	**4.037**	**.9652**	**3.994**	**.9490**	**48.84**	**11.26**
Stddev	.0037	.0046	.024	.021	.0039	.017	.0082	.16	.03
%RSD	.4140	.4671	.6381	.5191	.4076	.4303	.8651	.3239	.2630
#1	.9077	.9817	3.805	4.022	.9624	3.982	.9432	48.95	11.28
#2	.9024	.9882	3.839	4.052	.9680	4.006	.9548	48.73	11.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**45.43**	**10.93**	**11.13**	**11.59**	**-.0003**	**.0001**	**.0056**	**.0184**	**.0104**
Stddev	.04	.01	.13	.10	.0001	.0001	.0002	.0007	.0000
%RSD	.0873	.0589	1.204	.8760	20.36	88.20	3.184	3.877	.2829
#1	45.46	10.93	11.23	11.66	-.0003	.0001	.0055	.0179	.0104
#2	45.40	10.94	11.04	11.52	-.0002	.0000	.0057	.0189	.0104

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.0002**	**.0205**	**.0002**	**.0173**	**.0024**	**-.0019**
Stddev	.0001	.0001	.0008	.0003	.0003	.0000	.0013
%RSD	37.61	52.79	3.853	133.1	1.561	2.032	69.66
#1	-.0001	.0001	.0200	.0000	.0171	.0024	-.0010
#2	-.0003	.0003	.0211	.0004	.0175	.0023	-.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84467.**	**18652.**	**2165.9**	**4431.4**
Stddev	553.	48.	7.3	13.3
%RSD	.65468	.25599	.33573	.29924
#1	84076.	18685.	2171.0	4440.8
#2	84858.	18618.	2160.7	4422.0

Zoom In Zoom Out

Sample Name: mp79887-s1 Acquired: 6/10/2014 23:08:37 Type: Unk
Method: Accutest 2(v79) Mode: 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	**3.707**	**.0838**	**.1012**	**.9163**	**.4404**	**.6099**	**2.366**	**.9804**	**.0896**
Stddev	.026	.0007	.0008	.0014	.0019	.0006	.001	.0006	.0004
%RSD	.7081	.8930	.7464	.1492	.4415	.1066	.0481	.0603	.4735
#1	3.688	.0833	.1007	.9154	.4390	.6103	2.367	.9808	.0899
#2	3.725	.0843	.1018	.9173	.4418	.6094	2.366	.9799	.0893

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9556**	**1.291**	**3.557**	**3.730**	**1.151**	**3.691**	**.6223**	**95.01**	**26.17**
Stddev	.0002	.004	.002	.010	.002	.000	.0014	.85	.23
%RSD	.0188	.3317	.0661	.2629	.1322	.0076	.2256	.8973	.8833
#1	.9557	1.294	3.556	3.723	1.152	3.691	.6213	94.41	26.01
#2	.9555	1.288	3.559	3.737	1.150	3.691	.6233	95.61	26.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**124.0**	**24.99**	**14.71**	**12.80**	**.0297**	**.0060**	**.0081**	**3.938**	**.0140**
Stddev	1.1	.08	.04	.07	.0011	.0003	.0004	.008	.0001
%RSD	.9259	.3138	.2809	.5666	3.719	5.814	4.426	.1939	.7361
#1	123.2	24.93	14.68	12.75	.0289	.0062	.0083	3.932	.0141
#2	124.8	25.04	14.74	12.85	.0305	.0057	.0078	3.943	.0140

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0553**	**2.026**	**.0207**	**.0318**	**.4555**	**.0564**	**.0398**
Stddev	.0002	.001	.0023	.0001	.0024	.0005	.0007
%RSD	.4464	.0259	10.97	.3206	.5172	.8819	1.735
#1	.0551	2.026	.0191	.0318	.4539	.0568	.0393
#2	.0554	2.025	.0223	.0319	.4572	.0561	.0403

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85162.**	**18749.**	**2185.8**	**4344.2**
Stddev	32.	3.	6.1	8.9
%RSD	.03725	.01670	.27765	.20450
#1	85139.	18751.	2181.5	4337.9
#2	85184.	18747.	2190.1	4350.4

Zoom In Zoom Out

Sample Name: mp79887-s2 Acquired: 6/10/2014 23:11:35 Type: Unk
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.763**	**.0851**	**.1023**	**.9241**	**.4344**	**.5703**	**2.101**	**.9881**	**.0897**
Stddev	.016	.0006	.0002	.0050	.0004	.0010	.004	.0029	.0006
%RSD	.4138	.7486	.1771	.5362	.0984	.1762	.2111	.2929	.6702
#1	3.774	.0856	.1024	.9276	.4341	.5696	2.098	.9902	.0901
#2	3.752	.0847	.1021	.9206	.4347	.5711	2.104	.9861	.0892

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9624**	**1.241**	**3.598**	**3.789**	**1.104**	**3.721**	**.6265**	**92.74**	**23.63**
Stddev	.0022	.007	.012	.010	.005	.010	.0023	.36	.15
%RSD	.2279	.5461	.3289	.2749	.4429	.2681	.3730	.3880	.6461
#1	.9608	1.245	3.606	3.796	1.107	3.728	.6281	93.00	23.73
#2	.9639	1.236	3.589	3.781	1.100	3.714	.6248	92.49	23.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**115.7**	**22.49**	**14.98**	**12.81**	**.0284**	**.0050**	**.0060**	**3.646**	**.0127**
Stddev	.6	.06	.14	.08	.0007	.0001	.0009	.005	.0002
%RSD	.5383	.2537	.9134	.6006	2.417	2.195	15.17	.1511	1.749
#1	116.2	22.53	15.08	12.86	.0279	.0051	.0053	3.650	.0126
#2	115.3	22.45	14.88	12.75	.0288	.0049	.0066	3.642	.0129

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0500**	**2.176**	**.0218**	**.0362**	**.3625**	**.0573**	**.0338**
Stddev	.0000	.004	.0006	.0001	.0003	.0010	.0016
%RSD	.0881	.1892	2.566	.2447	.0959	1.708	4.663
#1	.0500	2.173	.0214	.0362	.3627	.0580	.0349
#2	.0499	2.179	.0222	.0363	.3622	.0566	.0327

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85182.**	**18774.**	**2196.6**	**4363.5**
Stddev	173.	240.	7.4	16.7
%RSD	.20321	1.2775	.33729	.38237
#1	85059.	18604.	2191.4	4351.7
#2	85304.	18943.	2201.9	4375.3

Zoom In ▶ Zoom Out

Sample Name: jb68264-9 Acquired: 6/10/2014 23:14:34 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.2176**	**-.0000**	**.0030**	**.0262**	**.0762**	**.1941**	**1.484**	**.0755**	**.0024**
Stddev	.0050	.0000	.0002	.0002	.0007	.0014	.006	.0004	.0019
%RSD	2.317	932.1	5.754	.9322	.9194	.7192	.4064	.5310	78.01
#1	.2212	.0000	.0032	.0263	.0757	.1931	1.480	.0758	.0038
#2	.2141	-.0000	.0029	.0260	.0767	.1951	1.488	.0752	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1048**	**.3800**	**.0140**	**.0052**	**.2358**	**.0053**	**.0026**	**40.83**	**15.12**
Stddev	.0009	.0007	.0013	.0026	.0002	.0005	.0008	.80	.34
%RSD	.8223	.1883	9.555	49.85	.0810	9.989	30.33	1.969	2.215
#1	.1042	.3806	.0131	.0033	.2360	.0050	.0020	41.40	15.36
#2	.1054	.3795	.0150	.0070	.2357	.0057	.0031	40.26	14.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**71.77**	**11.87**	**3.902**	**1.355**	**.0244**	**.0071**	**.0013**	**3.543**	**.0174**
Stddev	1.51	.17	.028	.017	.0008	.0001	.0007	.010	.0004
%RSD	2.104	1.448	.7165	1.287	3.259	1.937	59.63	.2728	2.159
#1	72.84	11.99	3.921	1.367	.0239	.0070	.0007	3.537	.0177
#2	70.70	11.75	3.882	1.342	.0250	.0072	.0018	3.550	.0172

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0484**	**1.897**	**.0052**	**.0220**	**.3817**	**.0467**	**.0351**
Stddev	.0009	.011	.0002	.0003	.0007	.0011	.0023
%RSD	1.898	.5823	3.264	1.417	.1932	2.259	6.692
#1	.0491	1.889	.0051	.0218	.3823	.0460	.0368
#2	.0478	1.905	.0053	.0222	.3812	.0474	.0335

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87759.**	**18726.**	**2237.4**	**4531.3**
Stddev	504.	450.	3.1	9.6
%RSD	.57469	2.4020	.13739	.21199
#1	88115.	18408.	2235.3	4524.5
#2	87402.	19045.	2239.6	4538.1

Zoom In ▶ Zoom Out

Sample Name: mp79887-sd1 Acquired: 6/10/2014 23:17:40 Type: Unk
Method: Accutest 2(v79) 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	**.2225**	**-.0004**	**.0036**	**.0266**	**.0783**	**.1964**	**1.512**	**.0736**	**.0006**
Stddev	.0000	.0003	.0002	.0004	.0006	.0028	.010	.0004	.0012
%RSD	.0150	74.41	5.725	1.461	.7677	1.411	.6616	.5792	199.7
#1	.2225	-.0002	.0037	.0264	.0779	.1984	1.519	.0739	-.0002
#2	.2225	-.0005	.0034	.0269	.0788	.1944	1.504	.0733	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1059**	**.4117**	**.0141**	**.0061**	**.2377**	**-.0130**	**-.0022**	**41.68**	**15.79**
Stddev	.0020	.0002	.0029	.0037	.0027	.0046	.0013	.05	.02
%RSD	1.889	.0453	20.26	59.67	1.151	35.77	59.19	.1138	.1074
#1	.1073	.4118	.0121	.0087	.2396	-.0097	-.0031	41.71	15.80
#2	.1045	.4116	.0161	.0035	.2357	-.0163	-.0013	41.64	15.78

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**73.60**	**11.96**	**3.889**	**1.178**	**.0302**	**.0059**	**.0008**	**3.676**	**.0217**
Stddev	.07	.29	.128	.000	.0010	.0002	.0046	.010	.0040
%RSD	.0938	2.432	3.294	.0037	3.178	2.758	585.7	.2641	18.45
#1	73.65	12.17	3.979	1.178	.0295	.0060	.0040	3.682	.0245
#2	73.55	11.76	3.798	1.178	.0309	.0058	-.0025	3.669	.0189

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0492**	**1.912**	**.0062**	**.0219**	**.4086**	**.0368**	**.0251**
Stddev	.0001	.010	.0040	.0005	.0026	.0054	.0049
%RSD	.1973	.5019	64.68	2.174	.6448	14.77	19.38
#1	.0493	1.919	.0034	.0223	.4104	.0330	.0216
#2	.0491	1.905	.0090	.0216	.4067	.0407	.0285

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87879.**	**18416.**	**2226.6**	**4689.3**
Stddev	263.	203.	1.2	6.5
%RSD	.29967	1.1044	.05422	.13895
#1	87693.	18272.	2227.5	4684.7
#2	88065.	18559.	2225.8	4693.9

Zoom In ▶ Zoom Out

Sample Name: jb68264-7 Acquired: 6/10/2014 23:20:48 Type: Unk
Method: Accutest 2(v79) Mode: 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	**.1589**	**.0002**	**.0005**	**.0170**	**.0435**	**.0339**	**.9666**	**.0354**	**.0011**
Stddev	.0030	.0001	.0002	.0001	.0005	.0005	.0060	.0001	.0002
%RSD	1.881	43.77	39.34	.4563	1.130	1.435	.6182	.1430	17.41
#1	.1610	.0003	.0004	.0170	.0432	.0342	.9624	.0354	.0013
#2	.1568	.0002	.0006	.0169	.0439	.0335	.9709	.0354	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0640**	**.1125**	**.0083**	**.0022**	**.0256**	**-.0007**	**.0009**	**27.65**	**4.147**
Stddev	.0001	.0003	.0005	.0002	.0007	.0002	.0019	.43	.060
%RSD	.1673	.2922	6.410	9.044	2.783	29.66	204.0	1.553	1.453
#1	.0639	.1127	.0086	.0024	.0261	-.0005	-.0004	27.96	4.189
#2	.0641	.1122	.0079	.0021	.0251	-.0008	.0022	27.35	4.104

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**49.99**	**8.338**	**3.744**	**.3183**	**.0152**	**.0009**	**.0008**	**3.219**	**.0125**
Stddev	.82	.209	.105	.0046	.0003	.0000	.0009	.012	.0009
%RSD	1.643	2.511	2.804	1.453	2.189	4.829	110.9	.3834	7.310
#1	50.57	8.486	3.818	.3216	.0149	.0009	.0014	3.211	.0132
#2	49.41	8.190	3.669	.3150	.0154	.0009	.0002	3.228	.0119

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0257**	**1.327**	**.0042**	**.0195**	**.1031**	**.0293**	**.0311**
Stddev	.0004	.007	.0006	.0001	.0004	.0023	.0000
%RSD	1.574	.5670	13.63	.5147	.3458	7.857	.0558
#1	.0260	1.321	.0038	.0195	.1029	.0277	.0311
#2	.0254	1.332	.0046	.0194	.1034	.0310	.0311

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88332.**	**18749.**	**2258.9**	**4588.1**
Stddev	348.	244.	6.6	18.2
%RSD	.39438	1.3015	.29093	.39574
#1	88578.	18577.	2254.2	4575.3
#2	88085.	18922.	2263.5	4601.0

Zoom In ▶ Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:23:54 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.935**	**1.865**	**1.950**	**1.948**	**1.966**	**1.882**	**1.956**	**1.974**	**.2340**
Stddev	.057	.051	.006	.006	.004	.002	.002	.005	.0007
%RSD	2.920	2.707	.2968	.3055	.2301	.0852	.1231	.2496	.3172
#1	1.975	1.900	1.954	1.952	1.969	1.881	1.958	1.978	.2345
#2	1.895	1.829	1.946	1.944	1.963	1.883	1.955	1.971	.2334
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**	**1.995**	**1.939**	**2.009**	**1.993**	**1.941**	**1.945**	**38.38**	**37.38**
Stddev	.000	.008	.003	.005	.006	.003	.005	1.01	.88
%RSD	.0177	.3972	.1595	.2352	.3254	.1263	.2790	2.620	2.361
#1	1.924	2.001	1.941	2.012	1.997	1.942	1.949	39.09	38.00
#2	1.925	1.990	1.937	2.005	1.988	1.939	1.941	37.66	36.75
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	**36.14**	**36.18**	**37.48**	**38.16**	**1.970**	**1.971**	**1.920**	**4.849**	**2.002**
Stddev	.91	.76	.98	1.04	.007	.005	.001	.003	.009
%RSD	2.505	2.111	2.603	2.715	.3390	.2412	.0685	.0631	.4224
#1	36.78	36.72	38.17	38.89	1.975	1.974	1.921	4.851	2.008
#2	35.50	35.64	36.79	37.42	1.965	1.967	1.919	4.846	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: 6/10/2014 23:23:54 Type: QC
Method: Accutest 2(v79) 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	**1.961**	**1.921**	**1.930**	**1.932**	**1.899**	**1.958**	**1.874**
Stddev	.059	.002	.018	.001	.003	.005	.054
%RSD	3.025	.0955	.9295	.0537	.1469	.2690	2.869
#1	2.002	1.922	1.943	1.931	1.901	1.961	1.912
#2	1.919	1.919	1.917	1.932	1.897	1.954	1.836
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	**82777.**	**18128.**	**2128.8**	**4264.0**
Stddev	295.	32.	4.5	3.1
%RSD	.35614	.17474	.21030	.07275
#1	82569.	18106.	2125.6	4261.8
#2	82985.	18151.	2131.9	4266.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:26:51 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0001**	**-.0001**	**.0001**	**.0005**	**.0001**	**.0003**
Stddev	.0001	.0001	.0004	.0002	.0001	.0003	.0001	.0005
%RSD	1267.	90.45	711.3	304.1	65.36	59.34	93.26	148.5
#1	.0001	.0001	-.0002	.0001	.0000	.0008	.0002	.0007
#2	-.0001	.0000	.0003	-.0002	.0001	.0003	.0000	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**.0010**	**.0016**	**.0004**	**.0010**	**-.0029**	**.0005**
Stddev	.0003	.0004	.0000	.0002	.0003	.0007	.0011	.0003
%RSD	398.3	99.39	4.160	9.583	97.92	74.97	36.73	60.88
#1	.0002	.0007	.0010	.0015	.0001	.0005	-.0021	.0003
#2	-.0001	.0001	.0009	.0017	.0006	.0015	-.0036	.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	**.0026**	**.0042**	**.0064**	**-.0200**	**-.0060**	**-.0645**	**.0011**	**.0009**
Stddev	.0054	.0022	.0044	.0434	.0352	.0067	.0004	.0000
%RSD	206.7	51.69	68.43	216.9	582.0	10.42	39.26	.9220
#1	-.0012	.0057	.0095	.0107	.0188	-.0598	.0008	.0009
#2	.0065	.0027	.0033	-.0506	-.0309	-.0693	.0014	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:26:51 Type: QC
Method: Accutest 2(v79) 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	**-.0018**	**.0006**	**.0010**	**.0001**	**-.0002**	F **.0317**	**.0008**	**.0031**
Stddev	.0003	.0003	.0022	.0001	.0006	.0032	.0003	.0022
%RSD	19.20	49.92	225.1	208.3	265.9	10.19	37.15	71.05
#1	-.0020	.0004	.0025	-.0000	.0002	.0294	.0006	.0046
#2	-.0015	.0008	-.0006	.0001	-.0006	.0340	.0010	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0050		
Low Limit						-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0027**	**-.0025**
Stddev	.0023	.0014
%RSD	86.70	53.23
#1	-.0010	-.0016
#2	-.0044	-.0035
Check ?	Chk Fail	Chk Pass
High Limit	.0020	
Low Limit	-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87917.**	**18033.**	**2218.4**	**4782.0**
Stddev	481.	252.	4.1	6.0
%RSD	.54654	1.3946	.18427	.12579
#1	87577.	17855.	2221.3	4786.2
#2	88257.	18211.	2215.5	4777.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 23:30:02 Type: QC
Method: Accutest 2(v79) Mode: 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	**.1998**	**.0018**	**.0034**	**.0494**	**.0103**	**.0099**	**.0152**	**.0100**	**.0046**
Stddev	.0017	.0000	.0001	.0003	.0003	.0007	.0000	.0001	.0000
%RSD	.8695	.6564	3.031	.6606	3.306	6.599	.1797	.5282	.9573
#1	.2010	.0018	.0034	.0492	.0101	.0094	.0152	.0100	.0046
#2	.1985	.0018	.0035	.0496	.0106	.0103	.0152	.0099	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0496**	**.0220**	**.0066**	**.0108**	**.0036**	**.0098**	**.0044**	**.1974**	**4.811**
Stddev	.0004	.0001	.0026	.0008	.0005	.0010	.0006	.0076	.035
%RSD	.7084	.2846	39.83	7.669	15.00	10.15	13.23	3.842	.7385
#1	.0494	.0220	.0048	.0102	.0033	.0105	.0040	.2027	4.836
#2	.0499	.0220	.0085	.0113	.0040	.0091	.0048	.1920	4.786
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	**.1017**	**4.779**	**4.925**	**4.796**	**.1053**	**.0207**	**.0501**	**.2039**	**.0102**
Stddev	.0021	.021	.053	.034	.0000	.0002	.0027	.0003	.0010
%RSD	2.042	.4509	1.071	.7147	.0129	.7527	5.421	.1697	9.656
#1	.1032	4.794	4.962	4.820	.1053	.0206	.0482	.2037	.0109
#2	.1002	4.763	4.888	4.772	.1053	.0208	.0520	.2041	.0095
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: 6/10/2014 23:30:02 Type: QC
Method: Accutest 2(v79) 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	**.0104**	**.0097**	**.0637**	**.0100**	**.0475**	**.0184**	**.0170**
Stddev	.0000	.0002	.0025	.0001	.0005	.0001	.0007
%RSD	.3253	1.674	3.879	1.422	1.130	.3855	3.875
#1	.0104	.0096	.0619	.0099	.0479	.0185	.0175
#2	.0103	.0098	.0654	.0101	.0471	.0184	.0166
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	**86503.**	**18193.**	**2191.1**	**4651.1**
Stddev	475.	158.	10.5	22.7
%RSD	.54920	.86784	.48140	.48714
#1	86839.	18081.	2198.6	4667.2
#2	86168.	18304.	2183.7	4635.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 23:33:12 Type: QC
Method: Accutest 2(v79) 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	**.0039**	**.0009**	**.0011**	**.0029**	**.0017**	**.0021**	**.0030**	**.0037**
Stddev	.0002	.0000	.0000	.0001	.0001	.0005	.0000	.0003
%RSD	5.293	1.729	2.479	3.783	4.509	26.49	.9218	6.958
#1	.0038	.0009	.0011	.0029	.0016	.0017	.0030	.0035
#2	.0041	.0008	.0011	.0028	.0017	.0025	.0030	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0006**	**.0021**	**.0113**	F **.0041**	F **.0033**	F **.0033**	F **.0029**	F **.0016**
Stddev	.0003	.0001	.0000	.0029	.0002	.0011	.0012	.0004
%RSD	53.94	6.206	.3478	70.31	5.094	33.38	40.35	26.37
#1	.0009	.0022	.0114	.0062	.0034	.0025	.0038	.0013
#2	.0004	.0020	.0113	.0021	.0031	.0040	.0021	.0019
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.0010			.0030	.0020	.0025	.0050	.0030
Range	-30.00%			30.00%	30.00%	30.00%	-30.00%	-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1082**	**.9860**	**.0047**	**.0889**	**1.987**	**.9485**	**.0105**	**-.0000**
Stddev	.0038	.0141	.0027	.0366	.001	.0027	.0001	.0000
%RSD	3.476	1.425	56.99	41.21	.0519	.2882	1.104	435.1
#1	.1108	.9960	.0028	.1148	1.988	.9466	.0104	-.0000
#2	.1055	.9761	.0066	.0630	1.986	.9505	.0106	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 23:33:12 Type: QC
Method: Accutest 2(v79) 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**	**-.0012**	**.0003**	**-.0000**	**-.0002**	F **.0071**	F **.0001**	F **-.0011**
Stddev	.0006	.0004	.0002	.0000	.0001	.0001	.0003	.0003
%RSD	115.8	37.44	58.11	70.01	70.25	1.639	196.8	27.37
#1	-.0001	-.0009	.0004	-.0000	-.0002	.0071	.0003	-.0009
#2	-.0010	-.0015	.0002	-.0000	-.0001	.0070	-.0001	-.0013
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 **-.0017**	F **-.0022**
Stddev	.0014	.0008
%RSD	82.72	38.03
#1	-.0027	-.0016
#2	-.0007	-.0028
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	**86972.**	**18065.**	**2208.2**	**4742.6**
Stddev	596.	364.	3.2	2.0
%RSD	.68526	2.0136	.14680	.04322
#1	87393.	17808.	2210.5	4744.0
#2	86550.	18322.	2205.9	4741.1

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 23:36:23 Type: QC
Method: Accutest 2(v79) Mode: 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**	**-.0001**	**.0001**	**-.0001**	**-.0003**	**.0002**	**-.0001**	**.0003**	**-.0008**
Stddev	.0000	.0000	.0002	.0003	.0001	.0004	.0001	.0000	.0002
%RSD	126.4	34.41	269.1	516.9	38.39	201.8	137.3	18.00	21.80
#1	.0001	-.0002	-.0001	-.0003	-.0002	.0005	-.0000	.0003	-.0007
#2	.0000	-.0001	.0002	.0002	-.0004	-.0001	-.0001	.0002	-.0009
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**	**-.0001**	**.0206**	**-.0000**	**.0206**	**.0193**	**.0196**	**.4691**	**-.0057**
Stddev	.0001	.0001	.0020	.0007	.0002	.0018	.0003	.0106	.0018
%RSD	34.00	98.43	9.937	1484.	1.048	9.193	1.370	2.252	30.86
#1	-.0001	-.0001	.0220	.0005	.0205	.0205	.0194	.4766	-.0045
#2	-.0002	-.0000	.0191	-.0005	.0208	.0180	.0198	.4617	-.0070
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	**.4684**	**-.0263**	**-.0225**	**-.0648**	**.0006**	**.0001**	**-.0010**	**.0016**	**.0008**
Stddev	.0064	.0051	.0033	.0020	.0010	.0002	.0007	.0005	.0006
%RSD	1.376	19.18	14.65	3.129	169.4	131.9	67.01	34.73	71.74
#1	.4730	-.0228	-.0201	-.0662	.0013	.0003	-.0005	.0020	.0012
#2	.4638	-.0299	-.0248	-.0634	-.0001	.0000	-.0015	.0012	.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 23:36:23 Type: QC
Method: Accutest 2(v79) 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**	**.0051**	**.0000**	**-.0001**	**-.0015**	**-.0016**
Stddev	.0000	.0002	.0005	.0000	.0023	.0012	.0002
%RSD	7.264	112.4	10.18	116.4	2658.	75.16	14.98
#1	-.0001	-.0003	.0047	.0000	.0015	-.0007	-.0017
#2	-.0001	-.0000	.0055	.0001	-.0017	-.0024	-.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	**87175.**	**18254.**	**2214.9**	**4771.7**
Stddev	32.	496.	.3	1.7
%RSD	.03638	2.7175	.01157	.03593
#1	87197.	17903.	2214.7	4770.5
#2	87152.	18605.	2215.1	4773.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:39:35 Type: QC
Method: Accutest 2(v79) Mode: 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	**1.926**	**1.852**	**1.953**	**1.955**	**1.972**	**1.883**	**1.963**	**1.979**	**.2337**
Stddev	.019	.017	.001	.004	.011	.010	.009	.003	.0009
%RSD	.9646	.9252	.0330	.2311	.5384	.5291	.4555	.1457	.3744
#1	1.939	1.864	1.954	1.958	1.979	1.890	1.969	1.981	.2343
#2	1.913	1.840	1.953	1.952	1.964	1.876	1.956	1.976	.2330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.928**	**1.998**	**1.951**	**2.016**	**1.993**	**1.950**	**1.952**	**38.18**	**37.14**
Stddev	.008	.008	.003	.003	.005	.001	.002	.26	.32
%RSD	.4323	.3848	.1277	.1584	.2781	.0364	.0940	.6687	.8548
#1	1.934	2.003	1.953	2.018	1.997	1.950	1.953	38.36	37.37
#2	1.922	1.992	1.949	2.014	1.989	1.951	1.951	38.00	36.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **35.93**	F **35.96**	**37.43**	**38.04**	**1.977**	**1.976**	**1.921**	**4.866**	**2.007**
Stddev	.25	.42	.37	.37	.001	.000	.012	.007	.005
%RSD	.6977	1.176	.9964	.9785	.0296	.0191	.6058	.1396	.2466
#1	36.10	36.26	37.69	38.30	1.978	1.976	1.929	4.861	2.010
#2	35.75	35.66	37.17	37.77	1.977	1.977	1.913	4.871	2.003
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	40.00	40.00							
Range	-10.00%	-10.00%							

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 23:39:35 Type: QC
Method: Accutest 2(v79) 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	**1.951**	**1.924**	**1.953**	**1.937**	**1.909**	**1.965**	**1.864**
Stddev	.017	.009	.013	.009	.002	.004	.020
%RSD	.8765	.4507	.6607	.4672	.1049	.2246	1.066
#1	1.963	1.930	1.963	1.943	1.907	1.962	1.878
#2	1.939	1.918	1.944	1.930	1.910	1.968	1.850
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	**82114.**	**18025.**	**2126.7**	**4260.4**
Stddev	426.	49.	9.7	21.6
%RSD	.51922	.27296	.45462	.50583
#1	81812.	17990.	2119.9	4245.2
#2	82415.	18060.	2133.6	4275.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:42:32 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: pause

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0002**	**-.0000**	**-.0001**	**.0004**	**.0000**	**-.0000**	**-.0002**
Stddev	.0001	.0000	.0000	.0000	.0001	.0003	.0001	.0001	.0004
%RSD	377.2	5.573	19.84	95.53	131.9	57.34	251.3	277.2	269.9
#1	-.0001	.0001	.0002	-.0000	-.0000	.0003	-.0000	-.0001	.0002
#2	.0000	.0001	.0003	-.0000	-.0001	.0006	.0001	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0009**	**.0004**	F **.0020**	**-.0007**	**-.0024**	**-.0005**	**-.0103**	**.0039**
Stddev	.0001	.0001	.0014	.0000	.0001	.0012	.0002	.0049	.0018
%RSD	55.61	7.593	328.4	1.160	11.24	50.37	30.24	47.59	44.75
#1	.0004	.0009	.0015	.0020	-.0006	-.0016	-.0004	-.0069	.0052
#2	.0002	.0008	-.0006	.0020	-.0008	-.0033	-.0006	-.0138	.0027
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	**.0051**	**-.0293**	**-.0064**	**-.0595**	**.0012**	**.0010**	**-.0007**	**.0011**	**.0007**
Stddev	.0017	.0686	.0507	.0016	.0003	.0000	.0003	.0008	.0001
%RSD	33.32	234.2	791.5	2.762	23.43	4.494	43.01	73.20	15.59
#1	.0039	-.0779	.0295	-.0583	.0014	.0011	-.0009	.0005	.0008
#2	.0063	.0192	-.0423	-.0606	.0010	.0010	-.0005	.0016	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Inst QC: MA34209

Zoom In
Zoom Out

Sample Name: ccb Acquired: 6/10/2014 23:42:32 Type: QC
Method: Accutest 2(v79) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: pause

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	F **.0357**	F **.0011**	**.0019**	**-.0004**	**-.0017**
Stddev	.0002	.0001	.0044	.0002	.0021	.0000	.0003
%RSD	134.0	37.96	12.32	22.60	111.2	3.896	17.21
#1	.0003	-.0003	.0326	.0009	.0004	-.0005	-.0020
#2	.0000	-.0005	.0388	.0013	.0034	-.0004	-.0015
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050	.0010			
Low Limit			-.0050	-.0010			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86811.**	**18017.**	**2226.6**	**4802.6**
Stddev	635.	216.	14.8	23.3
%RSD	.73102	1.1964	.66376	.48557
#1	87260.	17865.	2216.1	4786.1
#2	86362.	18170.	2237.0	4819.1

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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	0.001670	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000230	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	0.018520	0.000000	No
			Ni	-0.000584	0.000000	No
			Fe	0.000010	0.000000	No
			V	-0.000139	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
			W	-0.001300	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001801	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001860	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	0.000000	0.000000	No
			Mo	-0.000130	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	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	0.000100	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	☒	19	Cr	0.000040	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000456	0.000000	No
			Ti	-0.000121	0.000000	No
			Fe	-0.000125	0.000000	No
			Al	0.000003	0.000000	No
			Sn	-0.000497	0.000000	No
			Zn	-0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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	0.000004	0.000000	No
			Ca	-0.000003	0.000000	No
Mn 257.610 {131}	☒	8	Fe	-0.000085	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000012	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	-0.000100	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000020	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	0.000006	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	0.001333	0.000000	No
Ag 328.068 {103}	☒	15	Mn	-0.000319	0.000000	No
			Mo	0.000006	0.000000	No
			Ti	-0.000811	0.000000	No
			Fe	-0.000653	0.000000	No
			V	-0.000600	0.000000	No
			Zn	-0.000015	0.000000	No
			Ca	-0.000004	0.000000	No
			Al	-0.000002	0.000000	No
			Sr	-0.000008	0.000000	No
			Mg	0.000004	0.000000	No
			Ba	-0.000250	0.000000	No
			Cr	0.000026	0.000000	No
			Si	-0.000009	0.000000	No
			Zr	0.003700	0.000000	No
			W	0.000000	0.000000	No
V 292.402 {115}	☒	6	Ti	0.000200	0.000000	No
			Mo	-0.012500	0.000000	No
			Fe	0.000011	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003150	0.000000	No
			Mn	-0.001123	0.000000	No
Zn 206.200 {464}	☒	16	Cr	-0.001370	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	-0.000031	0.000000	No
			Al	0.000009	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	-0.000035	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000010	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000056	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	0.000010	0.000000	No
As 189.042 {478}	☒	24	Al	0.000008	0.000000	No
			Fe	-0.000032	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	-0.000318	0.000000	No
			Mo	0.003300	0.000000	No
			Cr	-0.003270	0.000000	No
			V	0.000070	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	0.000085	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000002	0.000000	No
			Si	-0.000147	0.000000	No
			Zn	0.000020	0.000000	No
			Sr	0.000010	0.000000	No
			Pd	0.026000	0.000000	No
			Zr	-0.002220	0.000000	No
			Ti	0.000100	0.000000	No
			S	0.000010	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000300	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000240	0.000000	No
			Mo	-0.010320	0.000000	No
			Al	0.000010	0.000000	No
			Fe	-0.000106	0.000000	No
			V	-0.021000	0.000000	No
			Mn	0.001350	0.000000	No
			Si	-0.000204	0.000000	No
			Ca	-0.000005	0.000000	No
			Ti	-0.003200	0.000000	No
			Mg	-0.000001	0.000000	No
			Co	0.002336	0.000000	No
			Sr	-0.000238	0.000000	No
			B	0.000249	0.000000	No
			Ba	0.000061	0.000000	No
			Zn	0.000090	0.000000	No
			As	0.000255	0.000000	No
			Ni	0.000143	0.000000	No
			Cu	0.000416	0.000000	No
			Zr	0.000067	0.000000	No
			Pd	0.000051	0.000000	No
			Pb	-0.000070	0.000000	No
			S	0.000010	0.000000	No
			W	0.000000	0.000000	No
			Na	-0.000001	0.000000	No
			K	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Sn	0.002000	0.000000	No
Pb 220.353 {453}	☒	23	Al	-0.000127	0.000000	No
			Fe	0.000050	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000003	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.000750	0.000000	No
			Cu	-0.000096	0.000000	No
			V	-0.000038	0.000000	No
			Co	-0.000447	0.000000	No
			Ti	-0.000200	0.000000	No
			Si	0.000130	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	-0.000200	0.000000	No
			Sr	-0.000043	0.000000	No
			W	-0.007700	0.000000	No
			Mg	0.000000	0.000000	No
			Cd	-0.000018	0.000000	No
			Cr	0.000042	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	-0.000064	0.000000	No
Se 196.090 {472}	☒	23	Al	-0.000028	0.000000	No
			Ca	0.000001	0.000000	No
			Mn	0.000380	0.000000	No
			Mo	-0.000319	0.000000	No
			Fe	-0.000215	0.000000	No
			Co	0.000055	0.000000	No
			V	0.000010	0.000000	No
			Sr	-0.000258	0.000000	No
			Cu	-0.000007	0.000000	No
			W	0.067000	0.000000	No
			Si	-0.000189	0.000000	No
			Tl	0.000180	0.000000	No
			Be	-0.000143	0.000000	No
			Zn	-0.000250	0.000000	No
			B	-0.000141	0.000000	No
			Pd	0.000300	0.000000	No
			Ti	0.000200	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000198	0.000000	No
			Ba	-0.000119	0.000000	No
			Mg	0.000000	0.000000	No
			Pb	0.000000	0.000000	No
			Cr	-0.000300	0.000000	No
Sb 206.833 {463}	☒	14	Fe	0.000040	0.000000	No
			Al	-0.000015	0.000000	No
			Ca	-0.000015	0.000000	No
			Ni	-0.000057	0.000000	No
			Cr	0.012100	0.000000	No
			V	-0.003800	0.000000	No
			Zn	0.000028	0.000000	No
			Mo	0.001100	0.000000	No
			Ti	-0.000060	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.044500	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	0.000000	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	-0.025000	0.000000	No
			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	0.000300	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	0.005000	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	0.031698	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

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			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	-0.000087	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.087800	0.000000	No
			Co	-0.007151	0.000000	No
			Ca	-0.000076	0.000000	No
			S	-0.000022	0.000000	No
			Si	0.000160	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	0.003500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000100	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.000560	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.000600	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
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	-0.000200	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	0.012000	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

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				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}	☒	6	Mo	0.000250	0.000000	No
				Ti	0.000090	0.000000	No
				Fe	-0.000060	0.000000	No
				Si	0.000177	0.000000	No
				S	-0.000001	0.000000	No
				Pd	0.000000	0.000000	No
	S 182.034 {485}	☒	7	Ca	0.000115	0.000000	No
				Mo	0.001114	0.000000	No
				Al	-0.000005	0.000000	No
				Fe	0.000007	0.000000	No
				Mn	0.002300	0.000000	No
				W	-0.027000	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	-0.000038	0.000000	No
				Mg	0.000018	0.000000	No
				W	-0.002000	0.000000	No
				Cu	-0.000858	0.000000	No
				Fe	0.000065	0.000000	No
				Cr	0.001500	0.000000	No
				Ti	-0.027300	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}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.006652	1.551173	0.000000	1.000000
Be 313.042 {108}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000098	1.410495	0.000000	1.000000
Cd 228.802 {448}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000358	0.776555	0.000000	1.000000
Co 228.616 {448}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000017	0.464608	0.000000	1.000000
Cr 267.716 {126}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000020	0.085917	0.000000	1.000000
Cu 324.754 {104}2	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.004988	0.179603	0.000000	1.000000
Mn 257.610 {131}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000013	0.503247	0.000000	1.000000
Ni 231.604 {446}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000212	0.335569	0.000000	1.000000
Ag 328.068 {103}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000284	0.112248	0.000000	1.000000
V 292.402 {115}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000009	0.130435	0.000000	1.000000
Zn 206.200 {464}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.001481	1.037330	0.000000	1.000000
As 189.042 {478}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000160	0.093079	0.000000	1.000000
Tl 190.856 {477}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000013	0.050902	0.000000	1.000000
Pb 220.353 {453}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000013	0.152827	0.000000	1.000000
Se 196.090 {472}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000282	0.066132	0.000000	1.000000
Sb 206.833 {463}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000024	0.146212	0.000000	1.000000
Al 396.152 { 85}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000083	0.033383	0.000000	1.000000
Ca 317.933 {106}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.006739	0.048047	0.000000	1.000000
Fe 259.940 {130}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000003	0.027689	0.000000	1.000000
Mg 279.079 {121}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000176	0.002447	0.000000	1.000000
K 766.490 { 44}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.003311	0.024427	0.000000	1.000000
Na 589.592 { 57}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.006267	0.086625	0.000000	1.000000
B 208.959 {462}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000053	0.203440	0.000000	1.000000
Mo 202.030 {467}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000156	0.776940	0.000000	1.000000
Pd 340.458 { 99}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000578	0.046072	0.000000	1.000000
Si 212.412 {459}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.002511	0.215637	0.000000	1.000000
Sn 189.989 {478}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000023	0.172358	0.000000	1.000000
Sr 407.771 { 83}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000156	2.702825	0.000000	1.000000
Ti 334.904 {101}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000229	0.121476	0.000000	1.000000
Y 360.073 { 94}*	6/11/2014 7:41:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/11/2014 7:41:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/11/2014 7:41:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/11/2014 7:41:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.001077	0.339860	0.000000	1.000000
Zr 339.198 { 99}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000204	0.313125	0.000000	1.000000
S 182.034 {485}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.000391	0.055342	0.000000	1.000000
Bi 223.061 {451}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	-0.000869	0.191870	0.000000	1.000000
Li 670.784 { 50}	6/11/2014 7:41:37	6/10/2014 16:07:31	Linear	1/Conc	0.003208	0.563733	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	0.000283	0.000943	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000113	0.000377	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000312	0.001039	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000382	0.001273	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000525	0.001751	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000561	0.001872	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000080	0.000265	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000458	0.001528	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000798	0.002658	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000443	0.001478	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000214	0.000712	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001816	0.006054	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001813	0.006043	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001468	0.004893	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003405	0.011349	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001942	0.006473	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.012088	0.040292	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004133	0.013775	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003485	0.011618	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.049490	0.164968	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.036821	0.122735	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.010208	0.034025	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000986	0.003288	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000317	0.001058	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001794	0.005980	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001324	0.004414	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001005	0.003349	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000122	0.000407	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000665	0.002217	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	0.001451	0.004837	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000266	0.000886	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003383	0.011278	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001934	0.006448	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001602	0.005342	OK.	1.000000	0.000000	1	0

MA34221

Method: ACCUTEST Operator: Admin Date of Analysis: 12 Jun 2014 11:03:14

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	12 Jun 2014 11:07:16	Std	ug/l	-	-146	1.000	1.000
STDB - 1	12 Jun 2014 11:08:34	Std	ug/l	-	1341	1.000	1.000
STDC - 1	12 Jun 2014 11:09:53	Std	ug/l	-	3253	1.000	1.000
STDD - 1	12 Jun 2014 11:11:14	Std	ug/l	-	6786	1.000	1.000
STDE - 1	12 Jun 2014 11:12:38	Std	ug/l	-	18122	1.000	1.000
STDF - 1	12 Jun 2014 11:14:04	Std	ug/l	-	34041	1.000	1.000
STDE - 1	12 Jun 2014 11:16:25	Std	ug/l	-	18375	1.000	1.000
STDE - 1	12 Jun 2014 11:24:23	Std	ug/l	-	18025	1.000	1.000
ICV - 1	12 Jun 2014 11:29:02	SMPL	ug/l	3.1371	21601	1.000	1.000
ICB - 1	12 Jun 2014 11:30:18	SMPL	ug/l	0.0083	42	1.000	1.000
CCV - 1	12 Jun 2014 11:31:49	CK STND	ug/l	105.0% 2.6248	18071	1.000	1.000
CCB - 1	12 Jun 2014 11:33:05	CK STND	ug/l	0.0108	59	1.000	1.000
CRI - 1	12 Jun 2014 11:34:36	SMPL	ug/l	0.1909	1300	1.000	1.000
MP80004-MB1 - 1	12 Jun 2014 11:51:15	SMPL	ug/l	-0.0044	-46	1.000	1.000
MP80004-LC1 - 1	12 Jun 2014 11:52:33	SMPL	ug/l	5.8903	20278	1.000	2.000
MP80004-S1 - 1	12 Jun 2014 11:53:51	SMPL	ug/l	1.9330	13304	1.000	1.000
MP80004-S2 - 1	12 Jun 2014 11:55:22	SMPL	ug/l	1.8943	13037	1.000	1.000
JB68921-9A - 1	12 Jun 2014 11:56:48	SMPL	ug/l	0.0739	494	1.000	1.000
JB68921-14A - 1	12 Jun 2014 11:58:17	SMPL	ug/l	0.1265	856	1.000	1.000
JB68921-19A - 1	12 Jun 2014 11:59:36	SMPL	ug/l	0.3072	2101	1.000	1.000
JB68921-27A - 1	12 Jun 2014 12:00:56	SMPL	ug/l	0.1220	825	1.000	1.000
JB68100-5A - 1	12 Jun 2014 12:02:17	SMPL	ug/l	0.7277	4999	1.000	1.000
CCV - 1	12 Jun 2014 12:03:38	CK STND	ug/l	106.3% 2.6582	18301	1.000	1.000
CCB - 1	12 Jun 2014 12:05:03	CK STND	ug/l	-0.0342	-251	1.000	1.000
JB68100-9A - 1	12 Jun 2014 12:06:35	SMPL	ug/l	0.4466	3062	1.000	1.000
JB68100-12A - 1	12 Jun 2014 12:07:55	SMPL	ug/l	3.1728	21847	1.000	1.000
JB68160-2A - 1	12 Jun 2014 12:09:15	SMPL	ug/l	0.6018	4131	1.000	1.000
JB68160-3A - 1	12 Jun 2014 12:10:44	SMPL	ug/l	-0.4434	-321	1.000	10.000
JB68160-4A - 1	12 Jun 2014 12:12:03	SMPL	ug/l	1.2438	8555	1.000	1.000
JB68160-5A - 1	12 Jun 2014 12:13:21	SMPL	ug/l	0.0677	451	1.000	1.000
JB68637-1 - 1	12 Jun 2014 12:14:44	SMPL	ug/l	0.4491	294	1.000	10.000
JB68637-2 - 1	12 Jun 2014 12:16:03	SMPL	ug/l	0.0265	167	1.000	1.000
JB68637-3 - 1	12 Jun 2014 12:17:22	SMPL	ug/l	0.0346	223	1.000	1.000
JB68637-4 - 1	12 Jun 2014 12:18:39	SMPL	ug/l	0.0469	308	1.000	1.000
CCV - 1	12 Jun 2014 12:19:57	CK STND	ug/l	(H)113.5% 2.8367	19531	1.000	1.000
CCB - 1	12 Jun 2014 12:21:13	CK STND	ug/l	0.0234	146	1.000	1.000
JB68637-5 - 1	12 Jun 2014 12:22:43	SMPL	ug/l	0.0590	391	1.000	1.000
JB68637-6 - 1	12 Jun 2014 12:24:01	SMPL	ug/l	0.0468	307	1.000	1.000
JB68729-1 - 1	12 Jun 2014 12:25:19	SMPL	ug/l	1.6613	11432	1.000	1.000
JB68729-2 - 1	12 Jun 2014 12:26:36	SMPL	ug/l	0.8906	6121	1.000	1.000
JB68729-3 - 1	12 Jun 2014 12:28:01	SMPL	ug/l	0.5851	4016	1.000	1.000
JB68160-3A - 1	12 Jun 2014 12:30:17	SMPL	ug/l	0.1716	1167	1.000	1.000
JB68637-1 - 1	12 Jun 2014 12:31:34	SMPL	ug/l	0.6241	4285	1.000	1.000
MP80005-MB1 - 1	12 Jun 2014 12:46:35	SMPL	ug/l	0.0388	252	1.000	1.000
CCV - 1	12 Jun 2014 12:47:51	CK STND	ug/l	(H)113.9% 2.8469	19601	1.000	1.000
CCB - 1	12 Jun 2014 12:49:07	CK STND	ug/l	0.0088	45	1.000	1.000
MP80005-LC1 - 1	12 Jun 2014 12:50:38	SMPL	ug/l	3.1171	21463	1.000	1.000
MP80005-S1 - 1	12 Jun 2014 12:51:56	SMPL	ug/l	2.3253	16007	1.000	1.000
MP80005-S2 - 1	12 Jun 2014 12:53:27	SMPL	ug/l	2.1838	15032	1.000	1.000
JB68076-1 - 1	12 Jun 2014 12:54:56	SMPL	ug/l	-0.0020	-29	1.000	1.000
JB68173-1 - 1	12 Jun 2014 12:56:24	SMPL	ug/l	0.0364	235	1.000	1.000
JB68173-2 - 1	12 Jun 2014 12:57:41	SMPL	ug/l	0.0921	619	1.000	1.000
JB68173-3 - 1	12 Jun 2014 12:58:58	SMPL	ug/l	0.0359	232	1.000	1.000
JB68173-4 - 1	12 Jun 2014 13:00:17	SMPL	ug/l	0.0686	457	1.000	1.000
JB68173-5 - 1	12 Jun 2014 13:01:35	SMPL	ug/l	0.0559	370	1.000	1.000
JB68173-6 - 1	12 Jun 2014 13:02:54	SMPL	ug/l	0.0660	439	1.000	1.000
CCV - 1	12 Jun 2014 13:04:12	CK STND	ug/l	(H)113.9% 2.8475	19605	1.000	1.000
CCB - 1	12 Jun 2014 13:05:29	CK STND	ug/l	-0.0240	-181	1.000	1.000
JB68173-7 - 1	12 Jun 2014 13:07:00	SMPL	ug/l	0.0173	104	1.000	1.000
JB68173-8 - 1	12 Jun 2014 13:08:17	SMPL	ug/l	0.0218	135	1.000	1.000
JB68173-9 - 1	12 Jun 2014 13:09:35	SMPL	ug/l	0.0247	155	1.000	1.000
JB68173-10 - 1	12 Jun 2014 13:10:52	SMPL	ug/l	0.0305	195	1.000	1.000
JB68173-11 - 1	12 Jun 2014 13:29:48	SMPL	ug/l	0.0095	50	1.000	1.000
JB68173-12 - 1	12 Jun 2014 13:31:05	SMPL	ug/l	0.0275	174	1.000	1.000
JB68173-13 - 1	12 Jun 2014 13:32:23	SMPL	ug/l	2.5169	17327	1.000	1.000
JB68173-14 - 1	12 Jun 2014 13:33:41	SMPL	ug/l	0.0784	525	1.000	1.000
JB68851-1 - 1	12 Jun 2014 13:35:11	SMPL	ug/l	0.0175	105	1.000	1.000
JB68898-1 - 1	12 Jun 2014 13:36:30	SMPL	ug/l	0.7607	5226	1.000	1.000
CCV - 1	12 Jun 2014 13:37:49	CK STND	ug/l	(H)110.9% 2.7713	19080	1.000	1.000

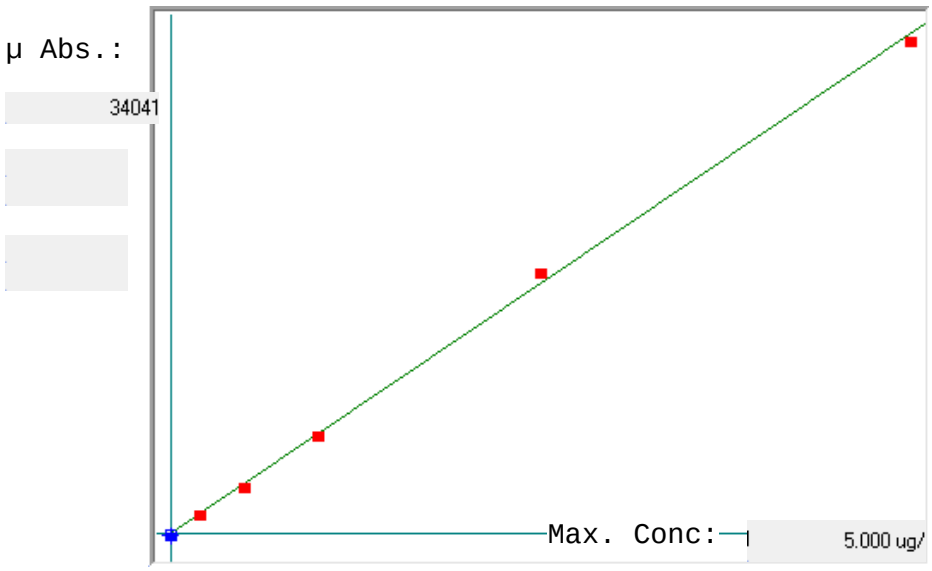
MA34221

Method: ACCUTEST Operator: Admin Date of Analysis: 12 Jun 2014 11:03:14

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	12 Jun 2014 13:39:10	CK STND	ug/l	-0.0007	-20	1.000	1.000
JB68941-1 - 1	12 Jun 2014 13:40:41	SMPL	ug/l	0.1590	1080	1.000	1.000
JB68941-2 - 1	12 Jun 2014 13:42:00	SMPL	ug/l	0.1747	1188	1.000	1.000
JB68941-3 - 1	12 Jun 2014 13:43:19	SMPL	ug/l	0.0615	408	1.000	1.000
MP80006-MB1 - 1	12 Jun 2014 13:55:04	SMPL	ug/l	0.0153	90	1.000	1.000
MP80006-LC1 - 1	12 Jun 2014 13:56:20	SMPL	ug/l	6.1143	21050	1.000	2.000
MP80006-S1 - 1	12 Jun 2014 13:57:40	SMPL	ug/l	3.4040	23440	1.000	1.000
MP80006-S2 - 1	12 Jun 2014 13:59:13	SMPL	ug/l	3.2120	22117	1.000	1.000
JB68924-1A - 1	12 Jun 2014 14:00:42	SMPL	ug/l	1.4569	10023	1.000	1.000
JB68924-2A - 1	12 Jun 2014 14:02:14	SMPL	ug/l	0.2614	1786	1.000	1.000
JB68924-3A - 1	12 Jun 2014 14:03:41	SMPL	ug/l	0.6250	4291	1.000	1.000
CCV - 1	12 Jun 2014 14:05:01	CK STND	ug/l	107.8% 2.6957	18559	1.000	1.000
CCB - 1	12 Jun 2014 14:06:21	CK STND	ug/l	-0.0004	-18	1.000	1.000
JB68925-1A - 1	12 Jun 2014 14:07:51	SMPL	ug/l	1.0412	7159	1.000	1.000
JB68925-2A - 1	12 Jun 2014 14:09:11	SMPL	ug/l	0.2388	1630	1.000	1.000
JB68925-3A - 1	12 Jun 2014 14:10:34	SMPL	ug/l	0.4823	3308	1.000	1.000
JB69002-1 - 1	12 Jun 2014 14:11:53	SMPL	ug/l	0.1030	694	1.000	1.000
JB69002-2 - 1	12 Jun 2014 14:13:15	SMPL	ug/l	0.2403	1640	1.000	1.000
JB69002-3 - 1	12 Jun 2014 14:14:34	SMPL	ug/l	0.2996	2049	1.000	1.000
JB69006-1 - 1	12 Jun 2014 14:15:54	SMPL	ug/l	0.1857	1264	1.000	1.000
JB69006-2 - 1	12 Jun 2014 14:17:14	SMPL	ug/l	0.1108	748	1.000	1.000
JB68930-1 - 1	12 Jun 2014 14:18:33	SMPL	ug/l	0.0147	86	1.000	1.000
JB68930-2 - 1	12 Jun 2014 14:19:52	SMPL	ug/l	0.0673	448	1.000	1.000
CCV - 1	12 Jun 2014 14:21:11	CK STND	ug/l	109.3% 2.7331	18817	1.000	1.000
CCB - 1	12 Jun 2014 14:22:29	CK STND	ug/l	-0.0044	-46	1.000	1.000
JB68930-3 - 1	12 Jun 2014 14:23:57	SMPL	ug/l	0.0372	241	1.000	1.000
JB68930-4 - 1	12 Jun 2014 14:25:14	SMPL	ug/l	0.0703	469	1.000	1.000
JB68930-5 - 1	12 Jun 2014 14:26:33	SMPL	ug/l	0.0606	402	1.000	1.000
JB68930-6 - 1	12 Jun 2014 14:27:52	SMPL	ug/l	0.1017	685	1.000	1.000
JB68930-7 - 1	12 Jun 2014 14:29:13	SMPL	ug/l	0.0320	205	1.000	1.000
JB68930-8 - 1	12 Jun 2014 14:30:32	SMPL	ug/l	0.8205	5638	1.000	1.000
JB68930-9 - 1	12 Jun 2014 14:31:51	SMPL	ug/l	0.0022	0	1.000	1.000
MP80007-MB1 - 1	12 Jun 2014 14:33:13	SMPL	ug/l	0.0288	183	1.000	1.000
MP80007-LC1 - 1	12 Jun 2014 14:34:31	SMPL	ug/l	6.2238	21427	1.000	2.000
MP80007-S1 - 1	12 Jun 2014 14:35:49	SMPL	ug/l	2.1719	14950	1.000	1.000
CCV - 1	12 Jun 2014 14:37:21	CK STND	ug/l	106.8% 2.6688	18374	1.000	1.000
CCB - 1	12 Jun 2014 14:38:49	CK STND	ug/l	0.0208	128	1.000	1.000
MP80007-S2 - 1	12 Jun 2014 14:40:17	SMPL	ug/l	2.2250	15316	1.000	1.000
JB68926-1A - 1	12 Jun 2014 14:41:36	SMPL	ug/l	0.7675	5273	1.000	1.000
JB68926-2A - 1	12 Jun 2014 14:43:05	SMPL	ug/l	0.1969	1341	1.000	1.000
JB68939-1 - 1	12 Jun 2014 14:44:29	SMPL	ug/l	0.1702	1157	1.000	1.000
JB68939-2 - 1	12 Jun 2014 14:45:48	SMPL	ug/l	1.2506	8602	1.000	1.000
JB68939-3 - 1	12 Jun 2014 14:47:09	SMPL	ug/l	0.1046	705	1.000	1.000
JB68819-61A - 1	12 Jun 2014 15:14:14	SMPL	ug/l	0.0586	388	1.000	1.000
JB68819-62A - 1	12 Jun 2014 15:15:32	SMPL	ug/l	0.0350	226	1.000	1.000
JB68819-63A - 1	12 Jun 2014 15:16:50	SMPL	ug/l	0.0510	336	1.000	1.000
JB68819-64A - 1	12 Jun 2014 15:18:09	SMPL	ug/l	0.0742	496	1.000	1.000
CCV - 1	12 Jun 2014 15:19:29	CK STND	ug/l	(H)110.7% 2.7671	19051	1.000	1.000
CCB - 1	12 Jun 2014 15:20:46	CK STND	ug/l	-0.0065	-60	1.000	1.000
JB68819-65A - 1	12 Jun 2014 15:22:16	SMPL	ug/l	0.0424	277	1.000	1.000
JB68819-66A - 1	12 Jun 2014 15:23:34	SMPL	ug/l	0.0107	58	1.000	1.000
JB68819-67A - 1	12 Jun 2014 15:24:53	SMPL	ug/l	0.0538	355	1.000	1.000
JB68819-68A - 1	12 Jun 2014 15:26:11	SMPL	ug/l	0.0684	456	1.000	1.000
JB68949-1 - 1	12 Jun 2014 15:27:30	SMPL	ug/l	1.4357	9877	1.000	1.000
JB69080-1A - 1	12 Jun 2014 15:28:50	SMPL	ug/l	1.3251	9115	1.000	1.000
JB69000-1 - 1	12 Jun 2014 15:30:18	SMPL	ug/l	-0.0031	-37	1.000	1.000
CCV - 1	12 Jun 2014 15:41:11	CK STND	ug/l	(H)113.7% 2.8415	19564	1.000	1.000
CCB - 1	12 Jun 2014 15:42:26	CK STND	ug/l	-0.0025	-33	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 1.4513e-004

C= 2.2460e-003

Rho= 0.9994991

Accept=Accepted

Accepted Date=

06/12/14 11:28

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	-0.019	-0.019	-146	0.000	-146				
STDB	0.200	0.197	-0.003	1341	0.0 %	1341				
STDC	0.500	0.474	-0.026	3253	0.0 %	3253				
STDD	1.000	0.987	-0.013	6786	0.0 %	6786				
STDE	2.500	2.618	0.118	18025	0.0 %	18025				
STDF	5.000	4.943	-0.057	34041	0.0 %	34041				

ma34231

Method: ACCUTEST Operator: Admin Date of Analysis: 13 Jun 2014 11:11:49

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	13 Jun 2014 11:18:28	Std	ug/l	-	-42	1.000	1.000
STDB - 1	13 Jun 2014 11:20:06	Std	ug/l	-	429	1.000	1.000
STDC - 1	13 Jun 2014 11:21:29	Std	ug/l	-	3007	1.000	1.000
STDD - 1	13 Jun 2014 11:22:49	Std	ug/l	-	7858	1.000	1.000
STDE - 1	13 Jun 2014 11:24:12	Std	ug/l	-	18773	1.000	1.000
STDF - 1	13 Jun 2014 11:25:41	Std	ug/l	-	37196	1.000	1.000
STDB - 1	13 Jun 2014 11:33:27	Std	ug/l	-	1641	1.000	1.000
STDC - 1	13 Jun 2014 11:34:47	Std	ug/l	-	3970	1.000	1.000
ICV - 1	13 Jun 2014 11:37:44	SMPL	ug/l	3.0110	22524	1.000	1.000
ICB - 1	13 Jun 2014 11:39:00	SMPL	ug/l	-0.0206	43	1.000	1.000
CCV - 1	13 Jun 2014 11:40:33	CK STND	ug/l	102.4% 2.5604	19182	1.000	1.000
CCB - 1	13 Jun 2014 11:41:52	CK STND	ug/l	-0.0264	0	1.000	1.000
CRI - 1	13 Jun 2014 11:43:23	SMPL	ug/l	0.1793	1525	1.000	1.000
MP80029-MB1 - 1	13 Jun 2014 11:45:58	SMPL	ug/l	-0.0028	175	1.000	1.000
MP80029-LC1 - 1	13 Jun 2014 11:47:15	SMPL	ug/l	4.9735	18636	1.000	2.000
MP80029-S1 - 1	13 Jun 2014 11:48:34	SMPL	ug/l	2.4827	18606	1.000	1.000
MP80029-S2 - 1	13 Jun 2014 11:50:04	SMPL	ug/l	2.4293	18210	1.000	1.000
JB68314-1 - 1	13 Jun 2014 11:51:32	SMPL	ug/l	0.4327	3404	1.000	1.000
JB68314-2 - 1	13 Jun 2014 11:53:03	SMPL	ug/l	0.6052	4683	1.000	1.000
JB68314-3 - 1	13 Jun 2014 11:54:27	SMPL	ug/l	0.4773	3735	1.000	1.000
JB68314-4 - 1	13 Jun 2014 11:55:50	SMPL	ug/l	0.2874	2327	1.000	1.000
JB68314-5 - 1	13 Jun 2014 11:57:12	SMPL	ug/l	1.3471	10185	1.000	1.000
CCV - 1	13 Jun 2014 11:58:38	CK STND	ug/l	103.0% 2.5749	19290	1.000	1.000
CCB - 1	13 Jun 2014 12:00:00	CK STND	ug/l	-0.0570	-227	1.000	1.000
JB68314-6 - 1	13 Jun 2014 12:01:27	SMPL	ug/l	0.5812	4505	1.000	1.000
JB68314-7 - 1	13 Jun 2014 12:02:44	SMPL	ug/l	1.4238	10754	1.000	1.000
JB68314-8 - 1	13 Jun 2014 12:04:05	SMPL	ug/l	4.7085	35112	1.000	1.000
JB68314-9 - 1	13 Jun 2014 12:05:29	SMPL	ug/l	-0.0443	-133	1.000	1.000
JB68314-10 - 1	13 Jun 2014 12:07:02	SMPL	ug/l	12.0169	89308	1.000	1.000
JB68314-11 - 1	13 Jun 2014 12:08:20	SMPL	ug/l	0.7706	5910	1.000	1.000
JB68314-12 - 1	13 Jun 2014 12:10:15	SMPL	ug/l	0.8424	6442	1.000	1.000
JB68314-13 - 1	13 Jun 2014 12:11:34	SMPL	ug/l	0.9574	7295	1.000	1.000
JB68314-14 - 1	13 Jun 2014 12:12:58	SMPL	ug/l	1.4255	10766	1.000	1.000
JB68314-15 - 1	13 Jun 2014 12:14:20	SMPL	ug/l	0.0368	468	1.000	1.000
CCV - 1	13 Jun 2014 12:15:46	CK STND	ug/l	109.8% 2.7444	20547	1.000	1.000
CCB - 1	13 Jun 2014 12:17:04	CK STND	ug/l	0.0386	482	1.000	1.000
JB68314-16 - 1	13 Jun 2014 12:18:35		ug/l	HIGH	204575	1.000	1.000
JB68314-17 - 1	13 Jun 2014 12:19:39	SMPL	ug/l	16.5898	123219	1.000	1.000
JB68314-18 - 1	13 Jun 2014 12:21:29	SMPL	ug/l	1.4028	10598	1.000	1.000
JB68314-19 - 1	13 Jun 2014 12:23:22	SMPL	ug/l	0.3154	2534	1.000	1.000
JB68314-20 - 1	13 Jun 2014 12:24:53	SMPL	ug/l	0.3488	2782	1.000	1.000
MP80030-MB1 - 1	13 Jun 2014 12:26:12	SMPL	ug/l	-0.0428	-122	1.000	1.000
MP80030-LC1 - 1	13 Jun 2014 12:27:31	SMPL	ug/l	5.1854	19422	1.000	2.000
MP80030-S1 - 1	13 Jun 2014 12:28:50	SMPL	ug/l	3.6678	27394	1.000	1.000
MP80030-S2 - 1	13 Jun 2014 12:30:11	SMPL	ug/l	3.4171	25535	1.000	1.000
JB68314-21 - 1	13 Jun 2014 12:31:45	SMPL	ug/l	3.3952	25373	1.000	1.000
CCV - 1	13 Jun 2014 12:33:17	CK STND	ug/l	108.3% 2.7071	20270	1.000	1.000
CCB - 1	13 Jun 2014 12:34:51	CK STND	ug/l	-0.0243	15	1.000	1.000
JB68314-22 - 1	13 Jun 2014 12:36:24	SMPL	ug/l	1.9614	14740	1.000	1.000
JB68314-23 - 1	13 Jun 2014 12:37:43	SMPL	ug/l	0.2063	1725	1.000	1.000
JB68314-24 - 1	13 Jun 2014 12:39:12	SMPL	ug/l	0.2510	2057	1.000	1.000
JB68314-25 - 1	13 Jun 2014 12:40:33	SMPL	ug/l	1.5608	11770	1.000	1.000
JB68314-26 - 1	13 Jun 2014 12:41:54	SMPL	ug/l	1.0040	7641	1.000	1.000
JB68314-27 - 1	13 Jun 2014 12:43:19	SMPL	ug/l	0.2498	2048	1.000	1.000
JB68314-28 - 1	13 Jun 2014 12:44:44	SMPL	ug/l	0.0788	780	1.000	1.000
JB68170-1 - 1	13 Jun 2014 12:46:04	SMPL	ug/l	1.8792	14131	1.000	1.000
JB68170-2 - 1	13 Jun 2014 12:47:23	SMPL	ug/l	1.3145	9943	1.000	1.000
JB68170-3 - 1	13 Jun 2014 12:48:49	SMPL	ug/l	7.1287	53059	1.000	1.000
CCV - 1	13 Jun 2014 12:50:15	CK STND	ug/l	(H)113.5% 2.8384	21244	1.000	1.000
CCB - 1	13 Jun 2014 12:51:49	CK STND	ug/l	-0.0040	166	1.000	1.000
JB68170-4 - 1	13 Jun 2014 12:53:23	SMPL	ug/l	13.4999	100305	1.000	1.000
JB68173-14 - 1	13 Jun 2014 12:54:40	SMPL	ug/l	0.0900	863	1.000	1.000
JB68314-10 - 1	13 Jun 2014 12:56:25	SMPL	ug/l	12.5941	18874	1.000	5.000
JB68173-3 - 1	13 Jun 2014 13:01:47	SMPL	ug/l	6.9005	25781	1.000	2.000
JB68173-4 - 1	13 Jun 2014 13:03:06	SMPL	ug/l	13.3803	20040	1.000	5.000
JB68314-16 - 1	13 Jun 2014 13:06:19	SMPL	ug/l	38.5038	5906	1.000	50.000
JB68314-17 - 1	13 Jun 2014 13:07:37	SMPL	ug/l	16.6390	24873	1.000	5.000
JB68314-16 - 1	13 Jun 2014 13:11:03	SMPL	ug/l	40.0407	29888	1.000	10.000
CCV - 1	13 Jun 2014 13:14:12	CK STND	ug/l	105.8% 2.6438	19801	1.000	1.000

Page : 1

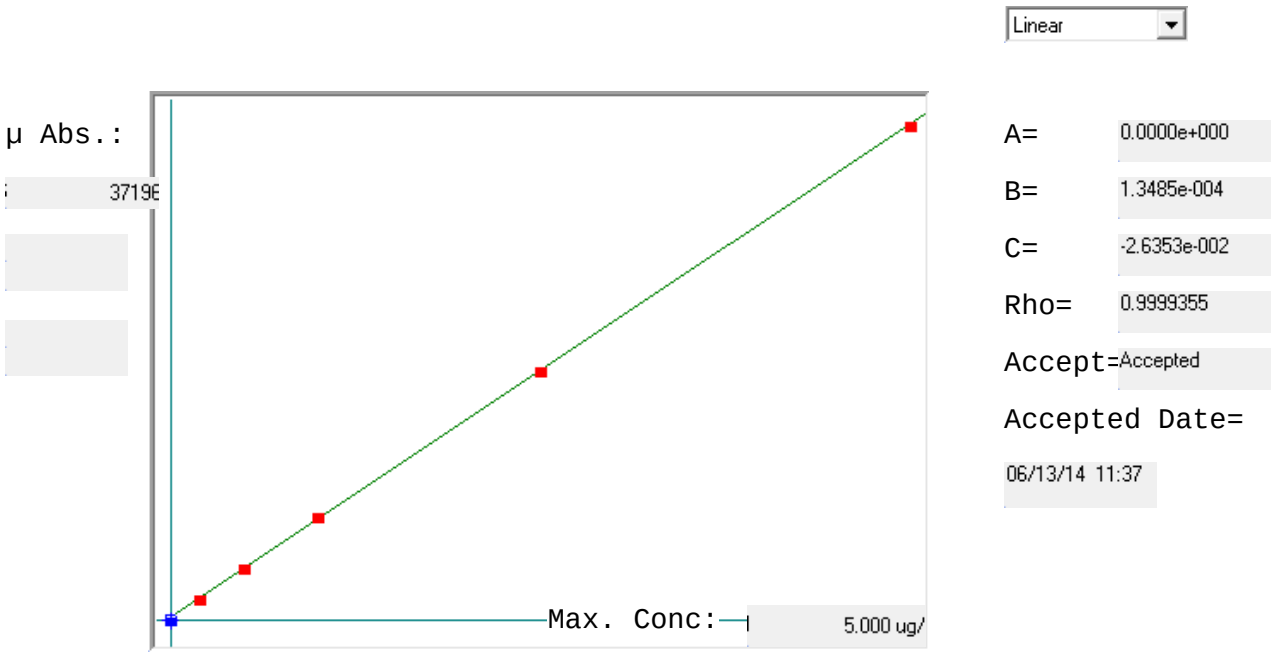
11.7

ma34231

Method: ACCUTEST Operator: Admin Date of Analysis: 13 Jun 2014 11:11:49

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	13 Jun 2014 13:15:30	CK STND	ug/l	-0.0303	-29	1.000	1.000

ACCUTEST



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	-0.032	-0.032	-42	0.000	-42				
STDB	0.200	0.195	-0.005	1641	0.0 %	1641				
STDC	0.500	0.509	0.009	3970	0.0 %	3970				
STDD	1.000	1.033	0.033	7858	0.0 %	7858				
STDE	2.500	2.505	0.005	18773	0.0 %	18773				
STDF	5.000	4.990	-0.010	37196	0.0 %	37196				

11.7.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34168
Analyst: TW
Date: 6/5/14
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 3 Start Time: 9:30 Temp: 95 End time: 11:30 Temp: 95 Tubes: 1 to 48

Hot Block ID ___ Start Time ___ Temp: ___ End time: ___ Temp: ___ Tubes: ___

Bot #	Sample ID	pH <2 Y/N	Initial Samp Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- (Y or N)	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		30	30	3.0 ML	Y	0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML	Y	0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML	Y	0.003		0.003 ppm Hg std.
4	mp 79894-mb1	N						79894	
5	↓ LCS	↓			2.0	Y	0.03		3PA
6	↓ S1	Y			↓	Y	↓		
7	↓ S2					Y			JB68374-7A
8	JB68374-7A								
9	-8A								
10	-9A								
11	JB68239-1								
12	↓ -2								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
13	JB68239-3								
14	↓ -4	↓							
15	mp 79895-mb1	N						79895	
16	↓ LCS	↓			2.0	Y	0.03		DOD
17	↓ S1	Y			↓	Y	↓		
18	↓ S2					Y			JB68374-1
19	C34314-1								
20	mp 79896-mb1	N						79896	
21	↓ LCS	↓			2.0	Y	0.03		SW846
22	JB67819-1A	Y							
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
23	JB67822-10								
24	JB67981-16								
25	↓ -21								
26	JB68265-22								
27	JB67898-4								
28	JB67897-7								
29	JB67912-11A								
30	JB67976-6								
31	JB67981-14								
32	JB64500-35								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB	—							

Form GN022A-02
Revision Date: 03/25/13

ANALYST: [signature]
QC REVIEWER: ___

DATE: 6/5/14
DATE: ___

11.8.1 11

ACCUTEST

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34168
Analyst: BW
Date: 6/5/14
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 X Start Time: 11:30 Temp: 95°C End time: 3:30 Temp: 95°C Tubes: 49 to 98

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	JB68173-1S	Y	30	30					SW846
34	mb 79897-MB1							79897	
35	LCS1				2.0	Y	0.03		
36	S1								JB68042-1F
37	S2								
38	JB68356-1C								
39	JB68042-1F								
40	-2F								
41	-3F								
42	JB67881-1								
	CCV				2.5 ML	✓	0.03		0.03 ppm Hg std.
	CCB								
43	JB67881-3								
44	JB67912-12A								
45	-14A								
46	-15A								
47	JB68006-1								
48	JB68022-1								
49	JB67999-11A								
50	-2A								
51	-4A								
52	-25A								
	CCV				2.5 ML	✓	0.03		0.03 ppm Hg std.
	CCB								
53	JB68108-1								
54	JB68128-1								
55	-2								
56	JB68166-2		5ml						
57	-4		5ml						Brown Murphy TCLP
58	mb 79853-MB2		30					79853	
59	LCS1				2.0	✓	0.03		
60	JB68078-1B								
61	mb 79899-MB1							79899	
62	MB1				2.0	✓	0.03		
	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: 6/5/14
DATE: ___

11.8.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34168
Analyst: RW
Date: 6/5/16
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 8 Start Time: 1130 Temp: 95° End time: 1330 Temp: 95° Tubes: 49 to 98

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	mp79881-S1	Y	30	30	2.0	Y	0.03		
64	" S2	"	"	"	"	"	"		
65	JB68196-1	"	"	"					
66	mp79900-MB1	"	"	"				79900	
67	" MB1	"	"	"	2.0	Y	0.03		
68	" S1	"	"	"	"	"	"		JB68216-1
69	" S2	"	"	"	"	"	"		
70	JB68216-1	"	"	"					
71	" -2	"	"	"					
72	" -3	"	"	"					
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
73	JB68216-4								
74	-5								
75	-6								
76	-7								
77	-8								
78	-9								
79	JB68078-2B								
80	mp79821-MB3	"	"	"				79821	
81	" LCS2	"	"	"	2.0	Y	0.03		
82	JB68076-1A	"	"	"					
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
83	mp79871-MB2	"	"	"				79871	
84	" LCS2	"	"	"	2.0	Y	0.03		
85	JB68325-1A	"	"	"					
86	JB68356-1A	"	"	"					
87	mp79901-MB1	"	"	"				79901	
88	" MB1	"	"	"	2.0	Y	0.03		
89	" S1	"	"	"	"	"	"		JB68325-2A
90	" S2	"	"	"	"	"	"		
91	JB68325-2A	"	"	"					
92	JB68304-1	"	"	"					
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
93	JB68356-1A								
94	" -7A								
95	JB68330-2A							79859	
96	" -3A								
97	mp79893-MB1	"	"	"					
98	" LCS1	"	"	"	2.0	Y	0.03		
99									
100									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02

ANALYST: [signature]

DATE: 6/5/16

11.8.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA34168
Analyst: BW
Date: 6/5/14
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: 95c End time: 11:30 Temp: 95c

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: 6/5/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

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ACCUTEST.

Reagent Information Log- Hg Waters

MA # 34168

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	5/16	Fisher 137588
Conc. Nitric Acid	5/16	Baker 000000 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	6/6/14	HG-1398-50-HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solu ion 30 ppb	6/6/14	HG-1486-47-HGA3
STD Hg standard solu ion 3 ppb	6/6/14	HG-1486-48-HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard soluti on 30 ppb	6/6/14	HG-1486-49-HGB3
Dilution Acid	11/10/14	HG-1384-390-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

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34221
Analyst:	JW
Date:	6/12/2014
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: 10:00 Temp: 95 c End Time: 10:30 Temp: 95 c Tubes 1 to 51
Hot:Block#:_____ Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		100	3.0 ml	Y	0.1		
2	ICB							
	CCV			2.5 ml	Y	0.1		
	CCB							
3	CRI			2.0 ml	Y	0.01		
4	MP80004-MB1	0.6001					MP80004	
5	MP80004-LC1	0.1010						
6	MP80004-S1	0.6523		2.0ml	Y	0.1		JB68921-9A
7	MP80004-S2	0.6318		2.0ml	Y	0.1		JB68921-9A
8	JB68921-9A	0.6362						
9	JB68921-14A	0.6734						
10	JB68921-19A	0.6155						
11	JB68921-27A	0.6124						
12	JB68100-5A	0.6517						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB68100-9A	0.6298						
14	JB68100-12A	0.6022						
15	JB68160-2A	0.6544						
16	JB68160-3A	0.6412						
17	JB68160-4A	0.6301						
18	JB68160-5A	0.6275						
19	JB68637-1	0.6256						
20	JB68637-2	0.6881						
21	JB68637-3	0.6370						
22	JB68637-4	0.6923						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB68637-5	0.6265						
24	JB68637-6	0.6431						
25	JB68729-1	0.6577						
26	JB68729-2	0.6265						
27	JB68729-3	0.6246						
28	MP80005-MB1	0.6000					MP80005	
29	MP80005-LC1	0.1006						
30	MP80005-S1	0.6412						JB68173-1
31	MP80005-S2	0.6176						JB68173-1
32	JB68076-1	0.6226						PSEG
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/12/14
QC REVIEWER: _____ DATE: 6/12/14

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34221
Analyst:	JW
Date:	6/12/2014
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: 10:00 Temp: 95°C End Time: 10:30 Temp: 95°C Tubes 17051

Hot:Block#: Hot:Block: Start Time: 10:00 Temp: 11 End Time: 12:30 T Temp: 21 Tubes 51 6095

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	JB68173-1	0.6204	100					
34	JB68173-2	0.6492						
35	JB68173-3	0.6543						
36	JB68173-4	0.648						
37	JB68173-5	0.6106						
38	JB68173-6	0.6188						
39	JB68173-7	0.6700						
40	JB68173-8	0.6427						
41	JB68173-9	0.6508						
42	JB68173-10	0.6357						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JB68173-11	0.6535						
44	JB68173-12	0.6332						
45	JB68173-13	0.6132						
46	JB68173-14	0.6610						
47	JB68851-1	0.6884						
48	JB68898-1	0.6246						
49	JB68941-1	0.6215						
50	JB68941-2	0.6034						
51	JB68941-3	0.6768						
52	MP80006-MB1	0.6000						
	CCV			2.5 ml	Y	0.1		
	CCB							
53	MP80006-LC1	0.1009						
54	MP80006-S1	0.6330		2.0ml	Y	0.1		JB68924-1A
55	MP80006-S2	0.6249		2.0ml	Y	0.1		JB68924-1A
56	JB68924-1A	0.6131						
57	JB68924-2A	0.6307						
58	JB68924-3A	0.6700						
59	JB68925-1A	0.6022						
60	JB68925-2A	0.6294						
61	JB68925-3A	0.6486						
62	JB69002-1	0.6395						
	CCV			2.5 ml	Y	0.1		
	CCB							
63	JB69002-2	0.6025						
64	JB69002-3	0.6218						
65	JB69006-1	0.6661						
66	JB69006-2	0.6185						

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Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/12/14
QC REVIEWER: _____ DATE: _____

ACCUTEST

Mercury Digestion Log

Product: **HG** / **HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34221
Analyst:	JW
Date:	6/12/2014
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 c End Time: 12:30 Temp: 95 c Tubes S2 to P5
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	JB68930-1	0.6237	100					
68	JB68930-2	0.6258						
69	JB68930-3	0.6673						
70	JB68930-4	0.6815						
71	JB68930-5	0.6013						
72	JB68930-6	0.6891						
	CCV			2.5 ml	Y	0.1		
	CCB							
73	JB68930-7	0.6711						
74	JB68930-8	0.6391						
75	JB68930-9	0.6316						
76	MP80007-MB1	0.6000					MP80007	
77	MP80007-LC1	0.1007						
78	MP80007-S1	0.6377		2.0ml	Y	0.1		JB68939-1
79	MP80007-S2	0.6718		2.0ml	Y	0.1		JB68939-1
80	JB68926-1A	0.6622						
81	JB68926-2A	0.6579						
82	JB68939-1	0.6732						
	CCV			2.5 ml		0.1		
	CCB							
83	JB68939-2	0.6604						
84	JB68939-3	0.6702						
85	JB68819-61A	0.6873						
86	JB68819-62A	0.6637						
87	JB68819-63A	0.6583						
88	JB68819-64A	0.6565						
89	JB68819-65A	0.6402						
90	JB68819-66A	0.6460						
91	JB68819-67A	0.6844						
92	JB68819-68A	0.6404						
	CCV			2.5 ml		0.1		
	CCB							
93	JB68949-1	0.6554						
94	JB69080-1A	0.6086						
95	JB69000-1	0.6470						
96								
97								
98								
99								
100								
101								
102								
	CCV			2.5 ml		0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/12/14
DATE: _____

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34221
Analyst:	JW
Date:	6/12/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot Block#: X Hot:Block: Start Time: 10:00 Temp: 95.1 End Time: 1030 T Temp: 95.6 Tubes 1405
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:** 6/12/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

11.8.2 11

ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34221

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. ~~Sulfuric~~ HCl Acid (TW)	5/16	Baker 60461
Conc. Nitric Acid	5/16	Baker 50770
Sodium Chloride-Hydroxylamine Hydrochloride	11/10/14	HG-1390-557 -- HGHCL
Potassium Permanganate	11/10/14	HG-1390-555 --HGKM2
Stannous Chloride	6/13/14	HG-1453-~~75~~ 24 (TW) --HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA J01211
STD Hg standard solution 100 ppb	6/13/14	HG-1452-71 --HGA1
STD Hg standard solution 10 ppb	6/13/14	HG-1452-72 --HGA2
ICV Hg standard solution 1000 ppm	2/1/2015	INORGVENTURE F2-HG0215
ICV Hg standard solution ~~50 ppb~~ 100ppb (TW)	6/13/14	HG-1453-73 --HGB1
Solid Lab control	1/16	ERA 2082-540
Aqua Regia	6/13/14	HG-1452-~~76~~ 74 (TW) --HGKAQ
Dilution acid	10/10/14	HG-1390-558 --HGD1
Digestion Tubes Lot	N/A	EXPRESS
Teflon Chips	N/A	F718-2 G022

Form: GN087A80-03
Rev. Date: 10/15/12

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34231
Analyst:	JW
Date:	6/13/2014
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: 1020 Temp: 95° End Time: 1036 Temp: 95° Tubes 17044
Hot:Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		100	3.0 ml	Y	0.1		
2	ICB							
	CCV			2.5 ml	Y	0.1		
	CCB							
3	CRI			2.0 ml	Y	0.01		
4	MP80029-MB1	0.6000					MP80029	
5	MP80029-LC1	0.1004						
6	MP80029-S1	0.6352		2.0ml	Y	0.1		JB68314-1
7	MP80029-S2	0.6210		2.0ml	Y	0.1		JB68314-1
8	JB68314-1	0.6460						
9	JB68314-2	0.6647						
10	JB68314-3	0.6462						
11	JB68314-4	0.6698						
12	JB68314-5	0.6710						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB68314-6	0.6331						
14	JB68314-7	0.6241						
15	JB68314-8	0.6085						
16	JB68314-9	0.6180						
17	JB68314-10	0.6964						
18	JB68314-11	0.6367						
19	JB68314-12	0.6091						
20	JB68314-13	0.6094						
21	JB68314-14	0.6034						
22	JB68314-15	0.6364						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB68314-16	0.6474						
24	JB68314-17	0.6783						
25	JB68314-18	0.6679						
26	JB68314-19	0.6560						
27	JB68314-20	0.6331						
28	MP80030-MB1	0.6000					MP80030	
29	MP80030-LC1	0.1006						
30	MP80030-S1	0.6331						JB68314-25
31	MP80030-S2	0.6135						JB68314-25
32	JB68314-21	0.6473						
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/13/14
QC REVIEWER: _____ DATE: _____

11.8.3 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34231
Analyst:	JW
Date:	6/13/2014
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: 10:00 Temp: 95.6 End Time: 10:36 Temp: 95.9 Tubes 1 to 64
Hot:Block#: Hot:Block: Start Time: _____ Temp: _____ End Time: _____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
33	JB68314-22	0.6834	100					
34	JB68314-23	0.6383						
35	JB68314-24	0.6268						
36	JB68314-25	0.6364						
37	JB68314-26	0.6276						
38	JB68314-27	0.6107						
39	JB68314-28	0.6100						
40	JB68170-1	0.6443						
41	JB68170-2	0.6295						
42	JB68170-3	0.6165						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JB68170-4	0.6312						
44	JB68173-14	1.4110						LOW%
45								
46								
47								
48								
49								
50								
51								
52								
	CCV			2.5 ml	Y	0.1		
	CCB							
53								
54								
55								
56								
57								
58								
59								
60								
61								
62								
	CCV			2.5 ml	Y	0.1		
	CCB							
63								
64								
65								
66								

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/13/14
DATE: _____

11.8.3 11

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34231
Analyst:	JW
Date:	6/13/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot Block#: 2 Hot:Block: Start Time: 1020 Temp: 95.2 End Time: 1030 T Temp: 950 Tubes 1 to 14
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:** 6/13/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

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ACCUTEST

Reagent Information Log- Hg Soil

MA # 34231

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. ~~Sulfuric~~ HCl (TW) Acid	5/16	Baker 60461
Conc. Nitric Acid	5/16	Baker 50770
Sodium Chloride-Hydroxylamine Hydrochloride	11/10/14	HG-1390-557 --HGHCL
Potassium Permanganate	11/10/14	HG-1390-555 --HGKM2
Stannous Chloride	6/14/14	HG-1492-87 --HGS
STD Hg standard solution 1000 ppm	1/31/2015	ULTRA J01211
STD Hg standard solution 100 ppb	6/14/14	HG-1492-80 --HGA1
STD Hg standard solution 10 ppb	6/14/14	HG-1492-81 --HGA2
ICV Hg standard solution 1000 ppm	2/1/2015	INORGVENTURE F2-HG0215
ICV Hg standard solution ~~50 ppb~~ 100ppb (TW)	6/14/14	HG-1492-83 --HGB1
Solid Lab control	1/16	ERA 2082-540
Aqua Regia	6/14/14	HG-1492-84 --HGKAQ
Dilution acid	11/10/14	HG-1390-558 --HGD1
Digestion Tubes Lot	N/A	EXPRESS
Teflon Chips	N/A	F718-2 G022

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
MP79830	6/3/2014	10:30	6/3/2014	17:00	JB68110-2	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	2	3	91	0	91
1	End	2	3	91	0	91
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-54	1312222	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP79830-MB1	N/A	N	50	50	AB		
MP79830-S1	1	Y	50	50	AB	AB	
MP79830-S2	1	Y	50	50	AB	AB	
MP79830-SD1	1	Y	50	50	AB		
JB68032-12	1	Y	50	50	AB		
JB68032-12F	2	Y	50	50	AB		
JB68032-13	1	Y	50	50	AB		
JB68032-13F	2	Y	50	50	AB		
JB68032-14	1	Y	50	50	AB		
JB68032-14F	2	Y	50	50	AB		
JB68032-15	1	Y	50	50	AB		
JB68032-15F	2	Y	50	50	AB		
JB68075-1	3	Y	50	50	AB		
JB68108-1	1	Y	50	50	AB		
JB68110-2	1	Y	50	50	AB		
JB68126-3	1	Y	50	50	AB		
JB68128-1	1	Y	50	50	AB		
JB68128-2	1	Y	50	50	AB		
JB68147-1	1	Y	50	50	AB		
JB68173-15	3	Y	50	50	AB		
MP79830-LC1	N/A	Y	50	50	AB		
MP79830-LC2	N/A	Y	50	50	AB		JB68032-FB
MP79830-MB2	N/A	Y	50	50	AB		JB68032-FB

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C		
D		
E		
F		
G		
H		

Comments:

Analyst GINAM **Approved by** Wendyz **Approved on** 6/3/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79830
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-1052 -SP
Spiking Solution - Min. Spike	11/5/14	MP-013-649 -MIN1
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	E Batch LO: 50770 JT Baker
Nitric Acid (1:1)		MP-013-20- -HNO3 (1:1)
Hydrochloric Acid	12/2/14	MP-013-20-191 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	12/1/14	MP-~~0~~ 151 - 114 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC09746 Mfg. Fisher Sci.
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. ENVIRON. Exp.
pH Paper	10/5/2016	Hydrion Paper 1 to 12, lot # 228713

Form: AA014B-01
Rev. Date: 5/12/08

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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
MP79830	6/6/2014	9:10	6/6/2014	16:00		

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	8	3	94	0	94
1	End	8	3	94	0	94
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-54	1312222	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP79830-MB3	N/A	N	50	50	AB		
JB68032-15F	2	Y	50	50	AB		
MP79830-LC3	N/A	Y	50	50	AB		
MP79830-LC4	N/A	Y	50	50	AB		JB68032-15F(FB)
MP79830-MB4	N/A	Y	50	50	AB		JB68032-15F(FB)

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C		
D		
E		
F		
G		
H		

Comments:

Analyst GINAM **Approved by** Wendyz **Approved on** 6/6/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79830
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-652 -SP
Spiking Solution - Min. Spike	11/5/14	MP-013-349 -MIN1
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	~~E~~ Batch NO: 50770 JT Baker
Nitric Acid (1:1)	12/4/14	MP-013-20-192 -HNO3 (1:1)
Hydrochloric Acid	12/2/14	MP-013-20-191 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	12/4/14	MP-~~0~~151-115 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: F0009746 Mfg. Fisher Sci
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. Environ. Exp.
pH Paper	10/15/16	Hydrion Paper 1 to 12, lot # 228713

Form: AA014B-01
Rev. Date: 5/12/08

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ACCUTEST LABORATORIES

Solids/Soil Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP79887	6/5/2014	10:00	6/5/2014	1700	JB68264-9	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	4	428	B-41	90	0	90	
1	End	4	428	NA	92	0	92	
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
MP79887-MB1	N/A	100	0.99	A,B,C,D		
MP79887-B1	N/A	100	0.99	A,B,C,D	A & B	
MP79887-S1	1	100	0.96	A,B,C,D	A & B	
MP79887-S2	1	100	0.96	A,B,C,D	A & B	
MP79887-SD1	1	100	0.98	A,B,C,D		
JB68153-1	2	100	2.16	A,B,C,D		
JB68173-1	1	100	1.00	A,B,C,D		
JB68173-10	1	100	0.97	A,B,C,D		
JB68173-11	1	100	0.99	A,B,C,D		
JB68173-12	1	100	1.24	A,B,C,D		
JB68173-13	1	100	1.74	A,B,C,D		
JB68173-14	1	100	3.36	A,B,C,D		
JB68173-2	1	100	0.96	A,B,C,D		
JB68173-3	1	100	0.95	A,B,C,D		
JB68173-4	1	100	0.99	A,B,C,D		
JB68173-5	1	100	1.03	A,B,C,D		
JB68173-6	1	100	0.99	A,B,C,D		
JB68173-7	1	100	1.01	A,B,C,D		
JB68173-8	1	100	0.97	A,B,C,D		
JB68173-9	1	100	1.25	A,B,C,D		
JB68264-5	2	100	0.98	A,B,C,D		
JB68264-7	2	100	1.01	A,B,C,D		
JB68264-8	2	100	1.01	A,B,C,D		
JB68264-9	1	100	0.98	A,B,C,D		

Reagents Groups		
Group	Description	MLs Used
A	CONC HNO3	5
B	1:1 HNO3	10
C	H2O2 30%	3
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups		
Group	Description	MLs Used
A	SP	2
B	MIN2	2
C		
D		
E		
F		
G		
H		

Comments: _____

Analyst AMIRAHH Approved by Wendyz Approved on 6/5/2014

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 LABORATORIES

Solids/Soil Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP79887	6/9/2014	19:00	6/9/2014	23:00	JB68264-9	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	7	405	B-41	90	0	90	
1	End	7	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
MP79887-MB2	N/A	100	1.01	A, B, C, D		
MP79887-B2	N/A	100	1.02	A, B, C, D	A & B	
MP79887-S1	2	100	1.03	A, B, C, D	A & B	
MP79887-S2	2	100	1.00	A, B, C, D	A & B	
MP79887-SD1	2	100	0.98	A, B, C, D		
JB68264-7	2	100	1.04	A, B, C, D		
JB68264-8	2	100	1.05	A, B, C, D		
JB68264-9	2	100	0.98	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 6/10/2014

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 79887
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-656 -SP
Spiking Solution - Min. Spike	11/29/14	MP-013-653 -MIN2
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	Batch #00000 50770 J.T. Baker
Nitric Acid (1:1)	12/6/14	MP-013-20-192 -HNO3 (1:1)
Hydrochloric Acid	6/2016	Batch# 00000 60411 J.T. Baker
Hydrogen Peroxide	6/2016	Lot #: 142358 Mfg. Fisher Scientific
Lab Control	11/14/14	Lot #: D082-540 Mfg. ERA
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	Batch # F718-2G022 SAINT-GOBAIN

Form: AA014A-02
Rev. Date: 10/15/12

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New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB68173-1 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 303-PE-88

Wet Weight (Total)	28.83	g
Tare Weight	23.14	g
Dry Weight (Total)	27.98	g
Solids, Percent	85.1	%

Sample: JB68173-2 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 304-PE-84

Wet Weight (Total)	31.32	g
Tare Weight	23.59	g
Dry Weight (Total)	30.13	g
Solids, Percent	84.6	%

Sample: JB68173-3 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 305-PE-85

Wet Weight (Total)	28.91	g
Tare Weight	21.53	g
Dry Weight (Total)	28.15	g
Solids, Percent	89.7	%

Sample: JB68173-4 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 306-PE-75

Wet Weight (Total)	31.48	g
Tare Weight	23.24	g
Dry Weight (Total)	30.74	g
Solids, Percent	91	%

Sample: JB68173-5 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 307-PE-76

Wet Weight (Total)	32.01	g
Tare Weight	24.58	g
Dry Weight (Total)	30.84	g
Solids, Percent	84.3	%

Sample: JB68173-6 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 308-PE-86

Wet Weight (Total)	26.67	g
Tare Weight	19.8	g
Dry Weight (Total)	25.61	g
Solids, Percent	84.6	%

Percent Solids Raw Data Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB68173-7 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 309-PE-77

Wet Weight (Total)	29.93	g
Tare Weight	23.48	g
Dry Weight (Total)	28.67	g
Solids, Percent	80.5	%

Sample: JB68173-8 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 310-PE-90

Wet Weight (Total)	33.87	g
Tare Weight	26.28	g
Dry Weight (Total)	32.39	g
Solids, Percent	80.5	%

Sample: JB68173-9 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 311-PE-91

Wet Weight (Total)	29.45	g
Tare Weight	24.27	g
Dry Weight (Total)	28.41	g
Solids, Percent	79.9	%

Sample: JB68173-10 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 312-PE-92

Wet Weight (Total)	31.51	g
Tare Weight	24.79	g
Dry Weight (Total)	30.18	g
Solids, Percent	80.2	%

Sample: JB68173-11 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 313-PE-93

Wet Weight (Total)	31.8	g
Tare Weight	26.11	g
Dry Weight (Total)	30.68	g
Solids, Percent	80.3	%

Sample: JB68173-12 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 314-PE-94

Wet Weight (Total)	25.73	g
Tare Weight	20.09	g
Dry Weight (Total)	24.54	g
Solids, Percent	78.9	%

Percent Solids Raw Data Summary

Job Number: JB68173
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB68173-13 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 315-DEC-4

Wet Weight (Total)	29.71	g
Tare Weight	24.18	g
Dry Weight (Total)	27.34	g
Solids, Percent	57.1	%

Sample: JB68173-14 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 316-PE-43

Wet Weight (Total)	33	g
Tare Weight	26.37	g
Dry Weight (Total)	28.33	g
Solids, Percent	29.6	%

Misc. Raw Data

Raw Data

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
042114-3:12336	JB68173-1.3	37.0000	42.4800	5.4800				NAB	
042114-3:11910	JB68173-1.4	34.9500	41.0500	6.1000				NAB	
042114-3:11929	JB68173-1.5	34.9300	41.1000	6.1700				NAB	
042114-3:12184	JB68173-10.3	37.0200	40.0800	3.0600				NAB	
042114-3:12097	JB68173-10.4	35.1700	40.9600	5.7900				NAB	
042114-3:12063	JB68173-10.5	34.9800	40.8900	5.9100				NAB	
042114-3:12185	JB68173-11.3	36.8700	41.8400	4.9700				NAB	
042114-3:12102	JB68173-11.4	35.0900	41.8700	6.7800				NAB	
042114-3:12121	JB68173-11.5	35.1900	41.7800	6.5900				NAB	
042114-3:12281	JB68173-12.3	36.6200	41.8300	5.2100				NAB	
042114-3:11894	JB68173-12.4	34.8300	41.9100	7.0800				NAB	
042114-3:11764	JB68173-12.5	35.0300	40.7100	5.6800				NAB	
042114-3:12229	JB68173-13.3	37.0800	41.2600	4.1800				NAB	
042114-3:12002	JB68173-13.4	35.2000	39.2400	4.0400				NAB	
042114-3:12017	JB68173-13.5	35.1200	39.4200	4.3000				NAB	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
042114-3:12228	JB68173-14.3	37.1500	40.8800	3.7300				NAB	
042114-3:12139	JB68173-14.4	35.4200	39.4800	4.0600				NAB	
042114-3:12118	JB68173-14.5	35.0000	38.7400	3.7400				NAB	
042114-3:12193	JB68173-2.3	36.8400	43.1600	6.3200				NAB	
042114-3:12159	JB68173-2.4	35.2400	41.6200	6.3800				NAB	
042114-3:12076	JB68173-2.5	34.8200	41.2900	6.4700				NAB	
042114-3:12267	JB68173-3.3	37.1400	42.8100	5.6700				NAB	
042114-3:11774	JB68173-3.4	35.1600	41.2400	6.0800				NAB	
042114-3:11775	JB68173-3.5	34.9000	41.4000	6.5000				NAB	
042114-3:12165	JB68173-4.3	37.0000	42.7000	5.7000				NAB	
042114-3:12042	JB68173-4.4	35.1100	41.9300	6.8200				NAB	
042114-3:12037	JB68173-4.5	35.1900	41.9200	6.7300				NAB	
042114-3:12192	JB68173-5.3	36.9700	42.3000	5.3300				NAB	
042114-3:12098	JB68173-5.4	35.5700	40.1100	4.5400				NAB	
042114-3:12100	JB68173-5.5	35.1600	40.9600	5.8000				NAB	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
042114-3:12141	JB68173-6.4	34.9400	39.9700	5.0300				NAB	
042114-3:12158	JB68173-6.5	35.2400	41.4500	6.2100				NAB	
042114-3:12249	JB68173-7.3	37.1000	40.3000	3.2000				NAB	
042114-3:11962	JB68173-7.4	35.2400	41.4200	6.1800				NAB	
042114-3:11961	JB68173-7.5	35.4800	41.6900	6.2100				NAB	
042114-3:12305	JB68173-8.3	36.8900	42.2500	5.3600				NAB	
042114-3:11930	JB68173-8.4	35.0500	40.8200	5.7700				NAB	
042114-3:11763	JB68173-8.5	34.9000	40.8900	5.9900				NAB	
042114-3:12297	JB68173-9.3	36.9800	42.0700	5.0900				NAB	
042114-3:11928	JB68173-9.4	35.0600	41.3100	6.2500				NAB	
042114-3:11884	JB68173-9.5	35.3100	42.3300	7.0200				NAB	