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Technical Report for

Langan Engineering & Environmental

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

365 Bond Street, 100287501

Accutest Job Number: JB67976

Sampling Dates: 05/28/14 - 05/29/14

Report to:

Langan Engineering & Environmental

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Total number of pages in report: **1496**

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

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Sample Summary

Langan Engineering & Environmental

Job No: JB67976

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
JB67976-1	05/28/14	11:15	CBM	05/29/14	SO	Soil	291-PE-74
JB67976-2	05/28/14	11:20	CBM	05/29/14	SO	Soil	292-PE-83
JB67976-3	05/28/14	00:00	CBM	05/29/14	SO	Soil	293-DUP-3
JB67976-4	05/28/14	14:40	CBM	05/29/14	SO	Soil	294-PE-87
JB67976-5	05/28/14	14:50	CBM	05/29/14	SO	Soil	295-PE-81
JB67976-6	05/29/14	07:00	CBM	05/29/14	AQ	Field Blank Soil	296-FB-7
JB67976-7	05/29/14	09:00	CBM	05/29/14	AQ	Trip Blank Soil	297-TB-6
JB67976-8	05/29/14	08:10	CBM	05/29/14	SO	Soil	298-PE-82
JB67976-9	05/29/14	08:15	CBM	05/29/14	SO	Soil	299-PE-80
JB67976-10	05/29/14	08:50	CBM	05/29/14	SO	Soil	300-PE-79
JB67976-11	05/29/14	08:55	CBM	05/29/14	SO	Soil	301-PE-89
JB67976-12	05/29/14	09:00	CBM	05/29/14	SO	Soil	302-PE-78

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB67976
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	6/12/2014 2:59:07 PM

On 05/29/2014, 10 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.9 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB67976 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.
- Sample(s) JB67820-3MS, JB67820-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethene, Trichloroethene are outside control limits Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** V2B5444

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67972-3MS, JB67972-3MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for m,p-Xylene, Xylene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: SO **Batch ID:** V3V479

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB67667-1MS, JB67667-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Methyl Acetate are outside control limits. Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75363

- All samples were extracted within the recommended method holding time.
- Sample(s) JB68264-10MS, JB68264-10MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 3,3'-Dichlorobenzidine, N-Nitrosodiphenylamine are outside control limits. Outside of in-house control limits, but within reasonable method recovery limits.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 4-Chloroaniline are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1'-Biphenyl, 1,4-Dioxane, Acetophenone, Atrazine, Benzaldehyde, Caprolactam are outside control limits. The standard was not added.
- RPD(s) for MS/MSD for 1,1'-Biphenyl, 1,4-Dioxane, 2,4-Dinitrophenol, Acetophenone, Atrazine, Benzaldehyde, Caprolactam, Hexachlorocyclopentadiene are outside control limits. Analytical precision exceeds in-house control limits.

Matrix: SO **Batch ID:** OP75292

- All samples were extracted within the recommended method holding time.
- Sample(s) JB67976-4MS, JB67976-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Naphthalene are outside control limits. Outside of in-house control limits, but within reasonable method recovery limits.
- JB67976-4 for Terphenyl-d14: Outside of in-house control limits.
- JB67976-4 for Nitrobenzene-d5: Outside of in-house control limits, but within reasonable method recovery limits.

Matrix: SO **Batch ID:** OP75345

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB67991-17MS, JB67991-17MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP79781

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

Matrix: SO **Batch ID:** MP79886

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68100-13AMS, JB68100-13AMSD, JB68100-13ASDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Calcium, Manganese, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Calcium, Iron, Magnesium, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for MS/MSD for Aluminum are outside control limits. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Selenium, Silver are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP79886-SD1 for Copper: Serial dilution indicates possible matrix interference.
- MP79886-SD1 for Zinc: Serial dilution indicates possible matrix interference.

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:	MP79977

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB68561-1MS, JB68561-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix:	SO	Batch ID:	GN5721

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

Matrix:	SO	Batch ID:	GN5789

- 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: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB67976-1	**291-PE-74**					
Acetone		0.0166	0.0085	0.0039	mg/kg	SW846 8260C
Isopropylbenzene		0.00020 J	0.0043	0.00013	mg/kg	SW846 8260C
Naphthalene		0.0517	0.035	0.0095	mg/kg	SW846 8270D
Aluminum		4300	57	1.5	mg/kg	SW846 6010C
Antimony		0.60 B	2.3	0.31	mg/kg	SW846 6010C
Arsenic		2.1 B	2.3	0.33	mg/kg	SW846 6010C
Barium		36.8	23	0.092	mg/kg	SW846 6010C
Beryllium		0.38	0.23	0.023	mg/kg	SW846 6010C
Cadmium		0.19 B	0.57	0.057	mg/kg	SW846 6010C
Calcium		1600	570	3.5	mg/kg	SW846 6010C
Chromium		13.8	1.1	0.080	mg/kg	SW846 6010C
Cobalt		4.9 B	5.7	0.069	mg/kg	SW846 6010C
Copper		12.6	2.9	0.17	mg/kg	SW846 6010C
Iron		10700	57	1.1	mg/kg	SW846 6010C
Lead		5.1	2.3	0.24	mg/kg	SW846 6010C
Magnesium		3180	570	3.9	mg/kg	SW846 6010C
Manganese		252	1.7	0.069	mg/kg	SW846 6010C
Nickel		24.5	4.6	0.11	mg/kg	SW846 6010C
Potassium		1160	1100	4.6	mg/kg	SW846 6010C
Selenium		0.42 B	2.3	0.38	mg/kg	SW846 6010C
Silver		0.65	0.57	0.16	mg/kg	SW846 6010C
Sodium		239 B	1100	2.2	mg/kg	SW846 6010C
Vanadium		18.3	5.7	0.10	mg/kg	SW846 6010C
Zinc		23.9	2.3	0.44	mg/kg	SW846 6010C
JB67976-2	**292-PE-83**					
Acetone		0.0157	0.0088	0.0040	mg/kg	SW846 8260C
Isopropylbenzene		0.00049 J	0.0044	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.00089 J	0.0044	0.00014	mg/kg	SW846 8260C
Benzo(b)fluoranthene		0.0158 J	0.039	0.013	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0459 J	0.078	0.022	mg/kg	SW846 8270D
Naphthalene		0.487	0.039	0.011	mg/kg	SW846 8270D
Phenanthrene		0.0193 J	0.039	0.018	mg/kg	SW846 8270D
Aluminum		5540	59	1.6	mg/kg	SW846 6010C
Antimony		0.57 B	2.4	0.32	mg/kg	SW846 6010C
Arsenic		2.4	2.4	0.34	mg/kg	SW846 6010C
Barium		47.8	24	0.094	mg/kg	SW846 6010C
Beryllium		0.47	0.24	0.024	mg/kg	SW846 6010C
Cadmium		0.22 B	0.59	0.059	mg/kg	SW846 6010C
Calcium		2780	590	3.6	mg/kg	SW846 6010C
Chromium		18.8	1.2	0.083	mg/kg	SW846 6010C
Cobalt		6.3	5.9	0.071	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		12.1	2.9	0.18	mg/kg	SW846 6010C
Iron		12300	59	1.1	mg/kg	SW846 6010C
Lead		7.1	2.4	0.25	mg/kg	SW846 6010C
Magnesium		4020	590	4.0	mg/kg	SW846 6010C
Manganese		220	1.8	0.071	mg/kg	SW846 6010C
Nickel		32.7	4.7	0.12	mg/kg	SW846 6010C
Potassium		1300	1200	4.7	mg/kg	SW846 6010C
Silver		0.73	0.59	0.17	mg/kg	SW846 6010C
Sodium		201 B	1200	2.2	mg/kg	SW846 6010C
Vanadium		23.4	5.9	0.11	mg/kg	SW846 6010C
Zinc		30.6	2.4	0.45	mg/kg	SW846 6010C
JB67976-3	**293-DUP-3**					
Acetone		0.0134	0.0085	0.0039	mg/kg	SW846 8260C
Isopropylbenzene		0.00024 J	0.0042	0.00012	mg/kg	SW846 8260C
Aluminum		4190	58	1.5	mg/kg	SW846 6010C
Arsenic		2.4	2.3	0.34	mg/kg	SW846 6010C
Barium		33.8	23	0.092	mg/kg	SW846 6010C
Beryllium		0.38	0.23	0.023	mg/kg	SW846 6010C
Cadmium		0.20 B	0.58	0.058	mg/kg	SW846 6010C
Calcium		1580	580	3.5	mg/kg	SW846 6010C
Chromium		16.9	1.2	0.081	mg/kg	SW846 6010C
Cobalt		5.4 B	5.8	0.069	mg/kg	SW846 6010C
Copper		8.9	2.9	0.17	mg/kg	SW846 6010C
Iron		10500	58	1.1	mg/kg	SW846 6010C
Lead		4.9	2.3	0.24	mg/kg	SW846 6010C
Magnesium		4430	580	3.9	mg/kg	SW846 6010C
Manganese		216	1.7	0.069	mg/kg	SW846 6010C
Nickel		36.1	4.6	0.12	mg/kg	SW846 6010C
Potassium		1190 B	1200	4.6	mg/kg	SW846 6010C
Silver		0.72	0.58	0.16	mg/kg	SW846 6010C
Sodium		263 B	1200	2.2	mg/kg	SW846 6010C
Vanadium		16.3	5.8	0.10	mg/kg	SW846 6010C
Zinc		23.3	2.3	0.44	mg/kg	SW846 6010C
JB67976-4	**294-PE-87**					
Acetone		0.0158	0.0086	0.0039	mg/kg	SW846 8260C
Isopropylbenzene		0.00032 J	0.0043	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.0037 J	0.0043	0.00014	mg/kg	SW846 8260C
Aluminum		4870	54	1.4	mg/kg	SW846 6010C
Antimony		0.36 B	2.1	0.29	mg/kg	SW846 6010C
Arsenic		2.0 B	2.1	0.31	mg/kg	SW846 6010C
Barium		34.4	21	0.086	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium		0.41	0.21	0.021	mg/kg	SW846 6010C
Cadmium		0.18 B	0.54	0.054	mg/kg	SW846 6010C
Calcium		1460	540	3.3	mg/kg	SW846 6010C
Chromium		14.3	1.1	0.075	mg/kg	SW846 6010C
Cobalt		5.4	5.4	0.064	mg/kg	SW846 6010C
Copper		10.6	2.7	0.16	mg/kg	SW846 6010C
Iron		12400	54	1.0	mg/kg	SW846 6010C
Lead		5.5	2.1	0.23	mg/kg	SW846 6010C
Magnesium		4000	540	3.6	mg/kg	SW846 6010C
Manganese		146	1.6	0.064	mg/kg	SW846 6010C
Nickel		35.3	4.3	0.11	mg/kg	SW846 6010C
Potassium		1080 B	1100	4.3	mg/kg	SW846 6010C
Silver		0.69	0.54	0.15	mg/kg	SW846 6010C
Sodium		167 B	1100	2.0	mg/kg	SW846 6010C
Vanadium		19.6	5.4	0.097	mg/kg	SW846 6010C
Zinc		26.3	2.1	0.41	mg/kg	SW846 6010C
JB67976-5	**295-PE-81**					
Acetone		0.0211	0.0092	0.0042	mg/kg	SW846 8260C
Isopropylbenzene		0.00076 J	0.0046	0.00013	mg/kg	SW846 8260C
Methylcyclohexane		0.0107	0.0046	0.00015	mg/kg	SW846 8260C
Aluminum		6210	58	1.5	mg/kg	SW846 6010C
Antimony		0.44 B	2.3	0.31	mg/kg	SW846 6010C
Arsenic		3.6	2.3	0.34	mg/kg	SW846 6010C
Barium		43.9	23	0.093	mg/kg	SW846 6010C
Beryllium		0.49	0.23	0.023	mg/kg	SW846 6010C
Cadmium		0.22 B	0.58	0.058	mg/kg	SW846 6010C
Calcium		1800	580	3.5	mg/kg	SW846 6010C
Chromium		15.7	1.2	0.081	mg/kg	SW846 6010C
Cobalt		5.5 B	5.8	0.070	mg/kg	SW846 6010C
Copper		10.4	2.9	0.17	mg/kg	SW846 6010C
Iron		12000	58	1.1	mg/kg	SW846 6010C
Lead		6.8	2.3	0.24	mg/kg	SW846 6010C
Magnesium		3110	580	3.9	mg/kg	SW846 6010C
Manganese		157	1.7	0.070	mg/kg	SW846 6010C
Nickel		27.1	4.6	0.12	mg/kg	SW846 6010C
Potassium		1250	1200	4.6	mg/kg	SW846 6010C
Silver		0.79	0.58	0.16	mg/kg	SW846 6010C
Sodium		160 B	1200	2.2	mg/kg	SW846 6010C
Vanadium		20.8	5.8	0.10	mg/kg	SW846 6010C
Zinc		30.6	2.3	0.44	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB67976-6	**296-FB-7**					
bis(2-Ethylhexyl)phthalate		2.5	2.2	0.62	ug/l	SW846 8270D
Calcium		54.6 B	5000	19	ug/l	SW846 6010C
Copper		1.2 B	10	1.2	ug/l	SW846 6010C
Sodium		211 B	10000	19	ug/l	SW846 6010C
JB67976-7	**297-TB-6**					
No hits reported in this sample.						
JB67976-8	**298-PE-82**					
Acetone		0.0129	0.0081	0.0037	mg/kg	SW846 8260C
Naphthalene		0.284	0.034	0.0094	mg/kg	SW846 8270D
Aluminum		4210	58	1.5	mg/kg	SW846 6010C
Antimony		0.63 B	2.3	0.31	mg/kg	SW846 6010C
Arsenic		2.2 B	2.3	0.34	mg/kg	SW846 6010C
Barium		34.8	23	0.093	mg/kg	SW846 6010C
Beryllium		0.35	0.23	0.023	mg/kg	SW846 6010C
Cadmium		0.19 B	0.58	0.058	mg/kg	SW846 6010C
Calcium		1960	580	3.5	mg/kg	SW846 6010C
Chromium		14.1	1.2	0.081	mg/kg	SW846 6010C
Cobalt		4.5 B	5.8	0.070	mg/kg	SW846 6010C
Copper		8.4	2.9	0.17	mg/kg	SW846 6010C
Iron		9970	58	1.1	mg/kg	SW846 6010C
Lead		5.2	2.3	0.24	mg/kg	SW846 6010C
Magnesium		3140	580	3.9	mg/kg	SW846 6010C
Manganese		557	1.7	0.070	mg/kg	SW846 6010C
Nickel		21.4	4.6	0.12	mg/kg	SW846 6010C
Potassium		1000 B	1200	4.6	mg/kg	SW846 6010C
Selenium		0.43 B	2.3	0.38	mg/kg	SW846 6010C
Silver		0.87	0.58	0.16	mg/kg	SW846 6010C
Sodium		126 B	1200	2.2	mg/kg	SW846 6010C
Vanadium		23.2	5.8	0.10	mg/kg	SW846 6010C
Zinc		26.4	2.3	0.44	mg/kg	SW846 6010C
JB67976-9	**299-PE-80**					
Acetone		0.0149	0.010	0.0047	mg/kg	SW846 8260C
Methylcyclohexane		0.0029 J	0.0051	0.00017	mg/kg	SW846 8260C
Naphthalene		0.202	0.037	0.010	mg/kg	SW846 8270D
Aluminum		4750	55	1.4	mg/kg	SW846 6010C
Antimony		0.50 B	2.2	0.30	mg/kg	SW846 6010C
Arsenic		1.7 B	2.2	0.32	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		36.9	22	0.088	mg/kg	SW846 6010C
Beryllium		0.37	0.22	0.022	mg/kg	SW846 6010C
Cadmium		0.18 B	0.55	0.055	mg/kg	SW846 6010C
Calcium		1650	550	3.3	mg/kg	SW846 6010C
Chromium		14.3	1.1	0.077	mg/kg	SW846 6010C
Cobalt		4.7 B	5.5	0.066	mg/kg	SW846 6010C
Copper		10.2	2.7	0.16	mg/kg	SW846 6010C
Iron		10700	55	1.1	mg/kg	SW846 6010C
Lead		5.0	2.2	0.23	mg/kg	SW846 6010C
Magnesium		3200	550	3.7	mg/kg	SW846 6010C
Manganese		488	1.6	0.066	mg/kg	SW846 6010C
Nickel		19.0	4.4	0.11	mg/kg	SW846 6010C
Potassium		1560	1100	4.4	mg/kg	SW846 6010C
Silver		0.95	0.55	0.15	mg/kg	SW846 6010C
Sodium		143 B	1100	2.1	mg/kg	SW846 6010C
Vanadium		17.6	5.5	0.099	mg/kg	SW846 6010C
Zinc		25.7	2.2	0.42	mg/kg	SW846 6010C
JB67976-10	**300-PE-79**					
Acetone		0.0107	0.0086	0.0039	mg/kg	SW846 8260C
Freon 113		0.00054 J	0.0043	0.00037	mg/kg	SW846 8260C
Aluminum		5170	54	1.4	mg/kg	SW846 6010C
Antimony		0.70 B	2.2	0.29	mg/kg	SW846 6010C
Arsenic		2.4	2.2	0.31	mg/kg	SW846 6010C
Barium		42.1	22	0.086	mg/kg	SW846 6010C
Beryllium		0.44	0.22	0.022	mg/kg	SW846 6010C
Cadmium		0.20 B	0.54	0.054	mg/kg	SW846 6010C
Calcium		4630	540	3.3	mg/kg	SW846 6010C
Chromium		24.1	1.1	0.075	mg/kg	SW846 6010C
Cobalt		6.6	5.4	0.065	mg/kg	SW846 6010C
Copper		11.8	2.7	0.16	mg/kg	SW846 6010C
Iron		13100	54	1.0	mg/kg	SW846 6010C
Lead		6.8	2.2	0.23	mg/kg	SW846 6010C
Magnesium		4550	540	3.6	mg/kg	SW846 6010C
Manganese		376	1.6	0.065	mg/kg	SW846 6010C
Nickel		47.8	4.3	0.11	mg/kg	SW846 6010C
Potassium		1530	1100	4.3	mg/kg	SW846 6010C
Silver		1.0	0.54	0.15	mg/kg	SW846 6010C
Sodium		188 B	1100	2.0	mg/kg	SW846 6010C
Vanadium		20.6	5.4	0.097	mg/kg	SW846 6010C
Zinc		25.8	2.2	0.41	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB67976-11	**301-PE-89**					
Acetone		0.0200	0.0085	0.0039	mg/kg	SW846 8260C
Methylcyclohexane		0.00036 J	0.0042	0.00014	mg/kg	SW846 8260C
Aluminum		4400	55	1.5	mg/kg	SW846 6010C
Antimony		0.34 B	2.2	0.30	mg/kg	SW846 6010C
Arsenic		2.2	2.2	0.32	mg/kg	SW846 6010C
Barium		35.5	22	0.089	mg/kg	SW846 6010C
Beryllium		0.37	0.22	0.022	mg/kg	SW846 6010C
Cadmium		0.19 B	0.55	0.055	mg/kg	SW846 6010C
Calcium		1390	550	3.4	mg/kg	SW846 6010C
Chromium		10.7	1.1	0.078	mg/kg	SW846 6010C
Cobalt		4.1 B	5.5	0.066	mg/kg	SW846 6010C
Copper		10.2	2.8	0.17	mg/kg	SW846 6010C
Iron		8800	55	1.1	mg/kg	SW846 6010C
Lead		5.2	2.2	0.23	mg/kg	SW846 6010C
Magnesium		2990	550	3.7	mg/kg	SW846 6010C
Manganese		388	1.7	0.066	mg/kg	SW846 6010C
Nickel		20.6	4.4	0.11	mg/kg	SW846 6010C
Potassium		864 B	1100	4.4	mg/kg	SW846 6010C
Silver		0.70	0.55	0.16	mg/kg	SW846 6010C
Sodium		91.4 B	1100	2.1	mg/kg	SW846 6010C
Vanadium		15.5	5.5	0.10	mg/kg	SW846 6010C
Zinc		22.3	2.2	0.42	mg/kg	SW846 6010C
JB67976-12	**302-PE-78**					
Acetone		0.0251	0.010	0.0046	mg/kg	SW846 8260C
Isopropylbenzene		0.00022 J	0.0050	0.00015	mg/kg	SW846 8260C
Acenaphthene		0.0796	0.038	0.011	mg/kg	SW846 8270D
Anthracene		0.124	0.038	0.013	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0272 J	0.038	0.012	mg/kg	SW846 8270D
Carbazole		0.0376 J	0.076	0.017	mg/kg	SW846 8270D
Chrysene		0.0264 J	0.038	0.013	mg/kg	SW846 8270D
Dibenzofuran		0.121	0.076	0.011	mg/kg	SW846 8270D
Fluoranthene		0.172	0.038	0.017	mg/kg	SW846 8270D
Fluorene		0.219	0.038	0.012	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0796	0.076	0.021	mg/kg	SW846 8270D
Naphthalene		0.170	0.038	0.010	mg/kg	SW846 8270D
Phenanthrene		0.500	0.038	0.017	mg/kg	SW846 8270D
Pyrene		0.126	0.038	0.015	mg/kg	SW846 8270D
Aluminum		6380	59	1.5	mg/kg	SW846 6010C
Antimony		0.41 B	2.3	0.32	mg/kg	SW846 6010C
Arsenic		2.6	2.3	0.34	mg/kg	SW846 6010C
Barium		45.5	23	0.094	mg/kg	SW846 6010C

Summary of Hits

Job Number: JB67976
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 05/28/14 thru 05/29/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Beryllium	0.48	0.23	0.023	mg/kg	SW846 6010C
Cadmium	0.18 B	0.59	0.059	mg/kg	SW846 6010C
Calcium	1240	590	3.6	mg/kg	SW846 6010C
Chromium	14.0	1.2	0.082	mg/kg	SW846 6010C
Cobalt	4.5 B	5.9	0.070	mg/kg	SW846 6010C
Copper	10.1	2.9	0.18	mg/kg	SW846 6010C
Iron	10500	59	1.1	mg/kg	SW846 6010C
Lead	7.1	2.3	0.25	mg/kg	SW846 6010C
Magnesium	2210	590	4.0	mg/kg	SW846 6010C
Manganese	70.1	1.8	0.070	mg/kg	SW846 6010C
Nickel	21.1	4.7	0.12	mg/kg	SW846 6010C
Potassium	1070 B	1200	4.7	mg/kg	SW846 6010C
Selenium	0.45 B	2.3	0.39	mg/kg	SW846 6010C
Silver	0.73	0.59	0.16	mg/kg	SW846 6010C
Sodium	265 B	1200	2.2	mg/kg	SW846 6010C
Vanadium	18.8	5.9	0.11	mg/kg	SW846 6010C
Zinc	26.4	2.3	0.45	mg/kg	SW846 6010C

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	291-PE-74		
Lab Sample ID:	JB67976-1	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	89.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11316.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0166	0.0085	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00085	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0043	0.00044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0043	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0043	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0043	0.00041	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0085	0.0037	mg/kg	
75-15-0	Carbon disulfide	ND	0.0043	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0043	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0043	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0043	0.00085	mg/kg	
67-66-3	Chloroform	ND	0.0043	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0043	0.00029	mg/kg	
110-82-7	Cyclohexane	ND	0.0043	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0085	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0043	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00085	0.00047	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0043	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0043	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0043	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0043	0.00030	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0043	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00085	0.00027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0043	0.00024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0043	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0043	0.00036	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0043	0.00037	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0043	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0043	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.00085	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0043	0.00037	mg/kg	
591-78-6	2-Hexanone	ND	0.0043	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:	291-PE-74		
Lab Sample ID:	JB67976-1	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	89.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00020	0.0043	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0043	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0043	0.00014	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00085	0.00029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0043	0.0011	mg/kg	
75-09-2	Methylene chloride	ND	0.0043	0.0014	mg/kg	
100-42-5	Styrene	ND	0.0043	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0043	0.00029	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0043	0.00035	mg/kg	
108-88-3	Toluene	ND	0.00085	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0043	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0043	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0043	0.00024	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0043	0.00070	mg/kg	
79-01-6	Trichloroethene	ND	0.0043	0.00030	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0043	0.00019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0043	0.00029	mg/kg	
	m,p-Xylene	ND	0.00085	0.00041	mg/kg	
95-47-6	o-Xylene	ND	0.00085	0.00015	mg/kg	
1330-20-7	Xylene (total)	ND	0.00085	0.00015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		59-130%
17060-07-0	1,2-Dichloroethane-D4	102%		65-123%
2037-26-5	Toluene-D8	117%		77-125%
460-00-4	4-Bromofluorobenzene	119%		71-132%

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	291-PE-74		
Lab Sample ID:	JB67976-1	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37318.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.070	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	0.058	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.70	0.042	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.70	0.042	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	0.059	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	ND	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	ND	0.035	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.070	0.0069	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.035	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.035	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.035	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.070	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.070	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.070	0.0040	mg/kg	
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	ND	0.070	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:	291-PE-74		
Lab Sample ID:	JB67976-1	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.0
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	ND	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	0.010	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	0.010	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	0.0088	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.070	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	ND	0.035	0.015	mg/kg	
86-73-7	Fluorene	ND	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	0.035	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.0097	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.035	0.012	mg/kg	
78-59-1	Isophorone	ND	0.070	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	ND	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	0.0517	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	ND	0.035	0.016	mg/kg	
129-00-0	Pyrene	ND	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	65%		13-110%

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

Report of Analysis

Client Sample ID:	291-PE-74		
Lab Sample ID:	JB67976-1	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.0
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	67%		15-110%
118-79-6	2,4,6-Tribromophenol	106%		20-123%
4165-60-0	Nitrobenzene-d5	85%		10-110%
321-60-8	2-Fluorobiphenyl	84%		17-110%
1718-51-0	Terphenyl-d14	106%		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: 291-PE-74
Lab Sample ID: JB67976-1
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/28/14
Date Received: 05/29/14
Percent Solids: 89.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4300	57	1.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.60 B	2.3	0.31	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.1 B	2.3	0.33	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	36.8	23	0.092	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.38	0.23	0.023	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.19 B	0.57	0.057	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1600	570	3.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	13.8	1.1	0.080	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	4.9 B	5.7	0.069	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	12.6	2.9	0.17	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	10700	57	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	5.1	2.3	0.24	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	3180	570	3.9	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	252	1.7	0.069	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0081 U	0.036	0.0081	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	24.5	4.6	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1160	1100	4.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.42 B	2.3	0.38	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.65	0.57	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	239 B	1100	2.2	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.47 U	1.1	0.47	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	18.3	5.7	0.10	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	23.9	2.3	0.44	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	292-PE-83		
Lab Sample ID:	JB67976-2	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	85.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11317.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0157	0.0088	0.0040	mg/kg	
71-43-2	Benzene	ND	0.00088	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0044	0.00046	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0044	0.00025	mg/kg	
75-25-2	Bromoform	ND	0.0044	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0044	0.00043	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0088	0.0039	mg/kg	
75-15-0	Carbon disulfide	ND	0.0044	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0044	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0044	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0044	0.00088	mg/kg	
67-66-3	Chloroform	ND	0.0044	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0044	0.00030	mg/kg	
110-82-7	Cyclohexane	ND	0.0044	0.00023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0088	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0044	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00088	0.00048	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0044	0.00030	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0044	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0044	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0044	0.00031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0044	0.00028	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00088	0.00028	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0044	0.00025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0044	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0044	0.00037	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0044	0.00039	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0044	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0044	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.00088	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0044	0.00038	mg/kg	
591-78-6	2-Hexanone	ND	0.0044	0.0016	mg/kg	

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

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

Report of Analysis

Client Sample ID:	292-PE-83		
Lab Sample ID:	JB67976-2	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	85.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00049	0.0044	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0044	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.00089	0.0044	0.00014	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00088	0.00030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0044	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0044	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0044	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0044	0.00030	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0044	0.00036	mg/kg	
108-88-3	Toluene	ND	0.00088	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0044	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0044	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0044	0.00025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0044	0.00073	mg/kg	
79-01-6	Trichloroethene	ND	0.0044	0.00031	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0044	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0044	0.00030	mg/kg	
	m,p-Xylene	ND	0.00088	0.00043	mg/kg	
95-47-6	o-Xylene	ND	0.00088	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00088	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		59-130%
17060-07-0	1,2-Dichloroethane-D4	98%		65-123%
2037-26-5	Toluene-D8	118%		77-125%
460-00-4	4-Bromofluorobenzene	117%		71-132%

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	292-PE-83		
Lab Sample ID:	JB67976-2	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37319.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 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	0.078	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	0.062	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	0.036	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	0.0076	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	0.0158	0.039	0.013	mg/kg	J
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	0.022	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:	292-PE-83		
Lab Sample ID:	JB67976-2	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.7
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	0.078	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	0.0098	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	0.0459	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	0.487	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	0.0193	0.039	0.018	mg/kg	J
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	48%		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:	292-PE-83		
Lab Sample ID:	JB67976-2	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	85.7
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	61%		15-110%
118-79-6	2,4,6-Tribromophenol	61%		20-123%
4165-60-0	Nitrobenzene-d5	92%		10-110%
321-60-8	2-Fluorobiphenyl	91%		17-110%
1718-51-0	Terphenyl-d14	111%		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: 292-PE-83
Lab Sample ID: JB67976-2
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/28/14
Date Received: 05/29/14
Percent Solids: 85.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5540	59	1.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.57 B	2.4	0.32	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.4	2.4	0.34	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	47.8	24	0.094	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.47	0.24	0.024	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.22 B	0.59	0.059	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	2780	590	3.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	18.8	1.2	0.083	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	6.3	5.9	0.071	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	12.1	2.9	0.18	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	12300	59	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	7.1	2.4	0.25	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	4020	590	4.0	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	220	1.8	0.071	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0080 U	0.035	0.0080	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	32.7	4.7	0.12	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1300	1200	4.7	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.39 U	2.4	0.39	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.73	0.59	0.17	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	201 B	1200	2.2	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.48 U	1.2	0.48	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	23.4	5.9	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	30.6	2.4	0.45	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	293-DUP-3		
Lab Sample ID:	JB67976-3	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	89.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11314.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0134	0.0085	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00085	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0042	0.00044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0042	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0042	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0042	0.00041	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0085	0.0037	mg/kg	
75-15-0	Carbon disulfide	ND	0.0042	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0042	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0042	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0042	0.00085	mg/kg	
67-66-3	Chloroform	ND	0.0042	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0042	0.00029	mg/kg	
110-82-7	Cyclohexane	ND	0.0042	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0085	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0042	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00085	0.00047	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0042	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0042	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0042	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0042	0.00030	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0042	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00085	0.00027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0042	0.00024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0042	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0042	0.00036	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0042	0.00037	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0042	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0042	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.00085	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0042	0.00037	mg/kg	
591-78-6	2-Hexanone	ND	0.0042	0.0015	mg/kg	

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

Report of Analysis

Client Sample ID:	293-DUP-3		
Lab Sample ID:	JB67976-3	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	89.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		59-130%
17060-07-0	1,2-Dichloroethane-D4	101%		65-123%
2037-26-5	Toluene-D8	118%		77-125%
460-00-4	4-Bromofluorobenzene	120%		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 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	293-DUP-3		
Lab Sample ID:	JB67976-3	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.2
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37285.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 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	0.060	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	0.063	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:	293-DUP-3		
Lab Sample ID:	JB67976-3	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.2
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	0.074	0.012	mg/kg	
218-01-9	Chrysene	ND	0.037	0.013	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	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.074	0.021	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.037	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.074	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.0090	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	
85-01-8	Phenanthrene	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	71%		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:	293-DUP-3		
Lab Sample ID:	JB67976-3	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.2
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	72%		15-110%
118-79-6	2,4,6-Tribromophenol	97%		20-123%
4165-60-0	Nitrobenzene-d5	86%		10-110%
321-60-8	2-Fluorobiphenyl	79%		17-110%
1718-51-0	Terphenyl-d14	87%		30-124%

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

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

Report of Analysis

Client Sample ID: 293-DUP-3
Lab Sample ID: JB67976-3
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/28/14
Date Received: 05/29/14
Percent Solids: 89.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4190	58	1.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.31 U	2.3	0.31	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.4	2.3	0.34	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	33.8	23	0.092	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.38	0.23	0.023	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.20 B	0.58	0.058	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1580	580	3.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	16.9	1.2	0.081	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	5.4 B	5.8	0.069	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	8.9	2.9	0.17	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	10500	58	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	4.9	2.3	0.24	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	4430	580	3.9	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	216	1.7	0.069	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0075 U	0.033	0.0075	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	36.1	4.6	0.12	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1190 B	1200	4.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.38 U	2.3	0.38	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.72	0.58	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	263 B	1200	2.2	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.47 U	1.2	0.47	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	16.3	5.8	0.10	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	23.3	2.3	0.44	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	294-PE-87		
Lab Sample ID:	JB67976-4	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11313.D	1	05/30/14	TDN	n/a	n/a	V3V479
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	0.0158	0.0086	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00086	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0043	0.00045	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0043	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0043	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0043	0.00041	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0086	0.0038	mg/kg	
75-15-0	Carbon disulfide	ND	0.0043	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0043	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0043	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0043	0.00085	mg/kg	
67-66-3	Chloroform	ND	0.0043	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0043	0.00029	mg/kg	
110-82-7	Cyclohexane	ND	0.0043	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0086	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0043	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00086	0.00047	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0043	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0043	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0043	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0043	0.00030	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0043	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00086	0.00028	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0043	0.00025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0043	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0043	0.00036	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0043	0.00037	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0043	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0043	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.00086	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0043	0.00037	mg/kg	
591-78-6	2-Hexanone	ND	0.0043	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:	294-PE-87		
Lab Sample ID:	JB67976-4	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00032	0.0043	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0043	0.0014	mg/kg	
108-87-2	Methylcyclohexane	0.0037	0.0043	0.00014	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00086	0.00029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0043	0.0011	mg/kg	
75-09-2	Methylene chloride	ND	0.0043	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0043	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0043	0.00029	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0043	0.00035	mg/kg	
108-88-3	Toluene	ND	0.00086	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0043	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0043	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0043	0.00025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0043	0.00070	mg/kg	
79-01-6	Trichloroethene	ND	0.0043	0.00030	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0043	0.00019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0043	0.00029	mg/kg	
	m,p-Xylene	ND	0.00086	0.00042	mg/kg	
95-47-6	o-Xylene	ND	0.00086	0.00015	mg/kg	
1330-20-7	Xylene (total)	ND	0.00086	0.00015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		59-130%
17060-07-0	1,2-Dichloroethane-D4	101%		65-123%
2037-26-5	Toluene-D8	118%		77-125%
460-00-4	4-Bromofluorobenzene	121%		71-132%

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

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Report of Analysis

Client Sample ID:	294-PE-87		
Lab Sample ID:	JB67976-4	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37320.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	32.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.070	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	ND	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	ND	0.035	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.070	0.0069	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.035	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.035	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.035	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.070	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.070	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.070	0.0040	mg/kg	
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	ND	0.070	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:	294-PE-87		
Lab Sample ID:	JB67976-4	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.070	0.011	mg/kg	
218-01-9	Chrysene	ND	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	0.010	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	0.010	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	ND	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	ND	0.035	0.015	mg/kg	
86-73-7	Fluorene	ND	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	ND	0.035	0.012	mg/kg	
78-59-1	Isophorone	ND	0.070	0.0094	mg/kg	
91-57-6	2-Methylnaphthalene	ND	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	ND	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	ND	0.035	0.016	mg/kg	
129-00-0	Pyrene	ND	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	82%		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:	294-PE-87		
Lab Sample ID:	JB67976-4	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	78%		15-110%
118-79-6	2,4,6-Tribromophenol	123%		20-123%
4165-60-0	Nitrobenzene-d5	116% [a]		10-110%
321-60-8	2-Fluorobiphenyl	105%		17-110%
1718-51-0	Terphenyl-d14	135% [b]		30-124%

(a) Outside of in-house control limits, but within reasonable method recovery limits.
(b) Outside of in-house control limits.

Report of Analysis

Client Sample ID: 294-PE-87
Lab Sample ID: JB67976-4
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/28/14
Date Received: 05/29/14
Percent Solids: 89.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4870	54	1.4	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.36 B	2.1	0.29	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.0 B	2.1	0.31	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	34.4	21	0.086	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.41	0.21	0.021	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.18 B	0.54	0.054	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1460	540	3.3	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	14.3	1.1	0.075	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	5.4	5.4	0.064	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	10.6	2.7	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	12400	54	1.0	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	5.5	2.1	0.23	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	4000	540	3.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	146	1.6	0.064	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0080 U	0.035	0.0080	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	35.3	4.3	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1080 B	1100	4.3	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.35 U	2.1	0.35	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.69	0.54	0.15	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	167 B	1100	2.0	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.44 U	1.1	0.44	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	19.6	5.4	0.097	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	26.3	2.1	0.41	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	295-PE-81		
Lab Sample ID:	JB67976-5	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11312.D	1	05/30/14	TDN	n/a	n/a	V3V479
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	0.0211	0.0092	0.0042	mg/kg	
71-43-2	Benzene	ND	0.00092	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0046	0.00048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0046	0.00026	mg/kg	
75-25-2	Bromoform	ND	0.0046	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0046	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0092	0.0040	mg/kg	
75-15-0	Carbon disulfide	ND	0.0046	0.00013	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0046	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0046	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0046	0.00091	mg/kg	
67-66-3	Chloroform	ND	0.0046	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0046	0.00031	mg/kg	
110-82-7	Cyclohexane	ND	0.0046	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0092	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0046	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00092	0.00050	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0046	0.00031	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0046	0.00020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0046	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0046	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0046	0.00029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00092	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0046	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0046	0.00019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0046	0.00039	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0046	0.00040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0046	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0046	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.00092	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0046	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0046	0.0016	mg/kg	

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

Report of Analysis

Client Sample ID:	295-PE-81		
Lab Sample ID:	JB67976-5	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00076	0.0046	0.00013	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0046	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.0107	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	105%		59-130%
17060-07-0	1,2-Dichloroethane-D4	100%		65-123%
2037-26-5	Toluene-D8	118%		77-125%
460-00-4	4-Bromofluorobenzene	122%		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 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	295-PE-81		
Lab Sample ID:	JB67976-5	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37321.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	33.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.068	0.034	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.055	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.058	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.68	0.042	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.68	0.042	mg/kg	
95-48-7	2-Methylphenol	ND	0.068	0.039	mg/kg	
	3&4-Methylphenol	ND	0.068	0.043	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.036	mg/kg	
100-02-7	4-Nitrophenol	ND	0.34	0.058	mg/kg	
87-86-5	Pentachlorophenol	ND	0.34	0.059	mg/kg	
108-95-2	Phenol	ND	0.068	0.036	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.040	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.032	mg/kg	
83-32-9	Acenaphthene	ND	0.034	0.0099	mg/kg	
208-96-8	Acenaphthylene	ND	0.034	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0060	mg/kg	
120-12-7	Anthracene	ND	0.034	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.068	0.0067	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.034	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.034	0.011	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.034	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.034	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.068	0.012	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.068	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.068	0.0040	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0079	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.068	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.011	mg/kg	
86-74-8	Carbazole	ND	0.068	0.016	mg/kg	

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

Report of Analysis

Client Sample ID:	295-PE-81		
Lab Sample ID:	JB67976-5	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.0
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	0.068	0.011	mg/kg	
218-01-9	Chrysene	ND	0.034	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.068	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.068	0.010	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.068	0.010	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.068	0.010	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.034	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.034	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.068	0.0087	mg/kg	
123-91-1	1,4-Dioxane	ND	0.034	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.034	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.068	0.010	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.068	0.0076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.068	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.068	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.068	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.068	0.030	mg/kg	
206-44-0	Fluoranthene	ND	0.034	0.015	mg/kg	
86-73-7	Fluorene	ND	0.034	0.011	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.068	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.034	0.0095	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.34	0.035	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.0095	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.034	0.012	mg/kg	
78-59-1	Isophorone	ND	0.068	0.0092	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.019	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.015	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.013	mg/kg	
91-20-3	Naphthalene	ND	0.034	0.0093	mg/kg	
98-95-3	Nitrobenzene	ND	0.068	0.0099	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.068	0.0084	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.020	mg/kg	
85-01-8	Phenanthrene	ND	0.034	0.016	mg/kg	
129-00-0	Pyrene	ND	0.034	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	58%		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:	295-PE-81		
Lab Sample ID:	JB67976-5	**Date Sampled:**	05/28/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.0
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	59%		15-110%
118-79-6	2,4,6-Tribromophenol	95%		20-123%
4165-60-0	Nitrobenzene-d5	80%		10-110%
321-60-8	2-Fluorobiphenyl	73%		17-110%
1718-51-0	Terphenyl-d14	93%		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: 295-PE-81
Lab Sample ID: JB67976-5
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/28/14
Date Received: 05/29/14
Percent Solids: 88.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6210	58	1.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.44 B	2.3	0.31	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	3.6	2.3	0.34	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	43.9	23	0.093	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.49	0.23	0.023	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.22 B	0.58	0.058	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1800	580	3.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	15.7	1.2	0.081	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	5.5 B	5.8	0.070	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	10.4	2.9	0.17	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	12000	58	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	6.8	2.3	0.24	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	3110	580	3.9	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	157	1.7	0.070	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0083 U	0.037	0.0083	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	27.1	4.6	0.12	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1250	1200	4.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.38 U	2.3	0.38	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.79	0.58	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	160 B	1200	2.2	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.48 U	1.2	0.48	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	20.8	5.8	0.10	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	30.6	2.3	0.44	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	296-FB-7		
Lab Sample ID:	JB67976-6	**Date Sampled:**	05/29/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/29/14
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	2B119923.D	1	06/06/14	PR	n/a	n/a	V2B5444
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:	296-FB-7		
Lab Sample ID:	JB67976-6	**Date Sampled:**	05/29/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-120%
17060-07-0	1,2-Dichloroethane-D4	101%		72-123%
2037-26-5	Toluene-D8	105%		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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	296-FB-7		
Lab Sample ID:	JB67976-6	**Date Sampled:**	05/29/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/29/14
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	Z92292.D	1	06/09/14	AR	06/05/14	OP75363	EZ4589
Run #2							

	Initial Volume	Final Volume
Run #1	900 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	5.6	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	7.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.5	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.4	ug/l	
	3&4-Methylphenol	ND	2.2	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.61	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.7	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.33	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.22	ug/l	
98-86-2	Acetophenone	ND	2.2	0.40	ug/l	
120-12-7	Anthracene	ND	1.1	0.21	ug/l	
1912-24-9	Atrazine	ND	2.2	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.6	0.75	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.24	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.28	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.25	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.33	ug/l	
86-74-8	Carbazole	ND	1.1	0.19	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:	296-FB-7		
Lab Sample ID:	JB67976-6	**Date Sampled:**	05/29/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.45	ug/l	
218-01-9	Chrysene	ND	1.1	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.47	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.48	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.42	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.36	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.28	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.62	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.79	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.31	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.25	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.65	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.28	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.5	2.2	0.62	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.51	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.43	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	0.54	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.32	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.45	ug/l	
78-59-1	Isophorone	ND	2.2	0.38	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.32	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	0.35	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.33	ug/l	
91-20-3	Naphthalene	ND	1.1	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.58	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.42	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.21	ug/l	
129-00-0	Pyrene	ND	1.1	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		10-110%

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

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

Report of Analysis

Client Sample ID:	296-FB-7		
Lab Sample ID:	JB67976-6	**Date Sampled:**	05/29/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/29/14
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	55%		10-110%
118-79-6	2,4,6-Tribromophenol	105%		29-139%
4165-60-0	Nitrobenzene-d5	84%		28-131%
321-60-8	2-Fluorobiphenyl	76%		30-121%
1718-51-0	Terphenyl-d14	97%		16-147%

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

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

Report of Analysis

Client Sample ID: 296-FB-7
Lab Sample ID: JB67976-6
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/29/14
Date Received: 05/29/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11 U	200	11	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Antimony	2.6 U	6.0	2.6	ug/l	1	05/30/14	06/03/14	GT	SW846 6010C [2]	SW846 3010A [5]
Arsenic	2.6 U	3.0	2.6	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Barium	1.0 U	200	1.0	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Beryllium	0.40 U	1.0	0.40	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Cadmium	0.70 U	3.0	0.70	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Calcium	54.6 B	5000	19	ug/l	1	05/30/14	06/04/14	ND	SW846 6010C [3]	SW846 3010A [5]
Chromium	0.89 U	10	0.89	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Cobalt	0.83 U	50	0.83	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Copper	1.2 B	10	1.2	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Iron	12 U	100	12	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Lead	1.3 U	3.0	1.3	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Magnesium	41 U	5000	41	ug/l	1	05/30/14	06/04/14	ND	SW846 6010C [3]	SW846 3010A [5]
Manganese	0.48 U	15	0.48	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Mercury	0.064 U	0.20	0.064	ug/l	1	06/05/14	06/05/14	JW	SW846 7470A [4]	SW846 7470A [6]
Nickel	0.75 U	10	0.75	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Potassium	50 U	10000	50	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Selenium	3.6 U	10	3.6	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Silver	1.2 U	10	1.2	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Sodium	211 B	10000	19	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Thallium	1.8 U	2.0	1.8	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Vanadium	0.87 U	50	0.87	ug/l	1	05/30/14	06/03/14	ND	SW846 6010C [1]	SW846 3010A [5]
Zinc	7.6 U	20	7.6	ug/l	1	05/30/14	06/03/14	GT	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA34145
(2) Instrument QC Batch: MA34154
(3) Instrument QC Batch: MA34164
(4) Instrument QC Batch: MA34168
(5) Prep QC Batch: MP79781
(6) Prep QC Batch: MP79896

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:	297-TB-6		
Lab Sample ID:	JB67976-7	**Date Sampled:**	05/29/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/29/14
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	1C128960.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:	297-TB-6		
Lab Sample ID:	JB67976-7	**Date Sampled:**	05/29/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/29/14
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	92%		72-123%
2037-26-5	Toluene-D8	100%		78-119%
460-00-4	4-Bromofluorobenzene	96%		74-119%

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

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Report of Analysis

Client Sample ID:	298-PE-82		
Lab Sample ID:	JB67976-8	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11311.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	7.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0129	0.0081	0.0037	mg/kg	
71-43-2	Benzene	ND	0.00081	0.00010	mg/kg	
74-97-5	Bromochloromethane	ND	0.0041	0.00042	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	0.0081	0.0036	mg/kg	
75-15-0	Carbon disulfide	ND	0.0041	0.00011	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0041	0.00020	mg/kg	
108-90-7	Chlorobenzene	ND	0.0041	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0041	0.00081	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	0.0081	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0041	0.00020	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00081	0.00044	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0041	0.00027	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0041	0.00018	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0041	0.00020	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0041	0.00029	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0041	0.00025	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00081	0.00026	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0041	0.00023	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	0.00034	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0041	0.00035	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0041	0.00018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0041	0.00022	mg/kg	
100-41-4	Ethylbenzene	ND	0.00081	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0041	0.00035	mg/kg	
591-78-6	2-Hexanone	ND	0.0041	0.0014	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:	298-PE-82		
Lab Sample ID:	JB67976-8	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0041	0.00012	mg/kg	
79-20-9	Methyl Acetate	ND	0.0041	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0041	0.00013	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00081	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	0.00033	mg/kg	
108-88-3	Toluene	ND	0.00081	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	0.00023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0041	0.00067	mg/kg	
79-01-6	Trichloroethene	ND	0.0041	0.00028	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	ND	0.00081	0.00039	mg/kg	
95-47-6	o-Xylene	ND	0.00081	0.00014	mg/kg	
1330-20-7	Xylene (total)	ND	0.00081	0.00014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		59-130%
17060-07-0	1,2-Dichloroethane-D4	96%		65-123%
2037-26-5	Toluene-D8	119%		77-125%
460-00-4	4-Bromofluorobenzene	120%		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 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	298-PE-82		
Lab Sample ID:	JB67976-8	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37322.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
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	0.069	0.034	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.055	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.058	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.69	0.042	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.69	0.042	mg/kg	
95-48-7	2-Methylphenol	ND	0.069	0.039	mg/kg	
	3&4-Methylphenol	ND	0.069	0.044	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.036	mg/kg	
100-02-7	4-Nitrophenol	ND	0.34	0.058	mg/kg	
87-86-5	Pentachlorophenol	ND	0.34	0.059	mg/kg	
108-95-2	Phenol	ND	0.069	0.036	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.040	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.032	mg/kg	
83-32-9	Acenaphthene	ND	0.034	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.034	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0060	mg/kg	
120-12-7	Anthracene	ND	0.034	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.069	0.0068	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.034	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.034	0.011	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.034	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.034	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.069	0.012	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.069	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.069	0.0040	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0079	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.069	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.011	mg/kg	
86-74-8	Carbazole	ND	0.069	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:	298-PE-82		
Lab Sample ID:	JB67976-8	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.0
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	0.069	0.011	mg/kg	
218-01-9	Chrysene	ND	0.034	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.069	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.069	0.010	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.069	0.010	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.069	0.010	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.034	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.034	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.069	0.0087	mg/kg	
123-91-1	1,4-Dioxane	ND	0.034	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.034	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.069	0.010	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.069	0.0076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.069	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.069	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.069	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.069	0.030	mg/kg	
206-44-0	Fluoranthene	ND	0.034	0.015	mg/kg	
86-73-7	Fluorene	ND	0.034	0.011	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.069	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.034	0.0095	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.34	0.035	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.0095	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.034	0.012	mg/kg	
78-59-1	Isophorone	ND	0.069	0.0092	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.069	0.019	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.015	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.013	mg/kg	
91-20-3	Naphthalene	0.284	0.034	0.0094	mg/kg	
98-95-3	Nitrobenzene	ND	0.069	0.0099	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.069	0.0084	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.020	mg/kg	
85-01-8	Phenanthrene	ND	0.034	0.016	mg/kg	
129-00-0	Pyrene	ND	0.034	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	65%		13-110%

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

Report of Analysis

Client Sample ID:	298-PE-82		
Lab Sample ID:	JB67976-8	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.0
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	63%		15-110%
118-79-6	2,4,6-Tribromophenol	98%		20-123%
4165-60-0	Nitrobenzene-d5	88%		10-110%
321-60-8	2-Fluorobiphenyl	81%		17-110%
1718-51-0	Terphenyl-d14	96%		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: 298-PE-82
Lab Sample ID: JB67976-8
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/29/14
Date Received: 05/29/14
Percent Solids: 88.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4210	58	1.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.63 B	2.3	0.31	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.2 B	2.3	0.34	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	34.8	23	0.093	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.35	0.23	0.023	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.19 B	0.58	0.058	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1960	580	3.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	14.1	1.2	0.081	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	4.5 B	5.8	0.070	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	8.4	2.9	0.17	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	9970	58	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	5.2	2.3	0.24	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	3140	580	3.9	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	557	1.7	0.070	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0079 U	0.035	0.0079	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	21.4	4.6	0.12	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1000 B	1200	4.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.43 B	2.3	0.38	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.87	0.58	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	126 B	1200	2.2	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.48 U	1.2	0.48	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	23.2	5.8	0.10	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	26.4	2.3	0.44	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	299-PE-80		
Lab Sample ID:	JB67976-9	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11318.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0149	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	0.00045	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:	299-PE-80		
Lab Sample ID:	JB67976-9	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0051	0.00015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0017	mg/kg	
108-87-2	Methylcyclohexane	0.0029	0.0051	0.00017	mg/kg	J
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	0.0014	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0017	mg/kg	
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	0.00050	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		59-130%
17060-07-0	1,2-Dichloroethane-D4	102%		65-123%
2037-26-5	Toluene-D8	118%		77-125%
460-00-4	4-Bromofluorobenzene	118%		71-132%

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	299-PE-80		
Lab Sample ID:	JB67976-9	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37323.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.075	0.037	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.037	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.060	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.75	0.046	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.75	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.075	0.043	mg/kg	
	3&4-Methylphenol	ND	0.075	0.047	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.040	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.063	mg/kg	
87-86-5	Pentachlorophenol	ND	0.37	0.064	mg/kg	
108-95-2	Phenol	ND	0.075	0.039	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.038	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.043	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	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	0.19	0.0066	mg/kg	
120-12-7	Anthracene	ND	0.037	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.075	0.0074	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	0.075	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.075	0.022	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.075	0.0043	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0086	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.075	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.012	mg/kg	
86-74-8	Carbazole	ND	0.075	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:	299-PE-80		
Lab Sample ID:	JB67976-9	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.7
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	0.075	0.012	mg/kg	
218-01-9	Chrysene	ND	0.037	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.075	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.075	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.075	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.075	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	0.075	0.0095	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	0.075	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.075	0.0083	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.075	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.075	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.075	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.075	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	0.075	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	0.19	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	0.075	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.075	0.021	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.015	mg/kg	
91-20-3	Naphthalene	0.202	0.037	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.075	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.075	0.0091	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	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	0.19	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	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:	299-PE-80		
Lab Sample ID:	JB67976-9	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.7
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	56%		15-110%
118-79-6	2,4,6-Tribromophenol	40%		20-123%
4165-60-0	Nitrobenzene-d5	64%		10-110%
321-60-8	2-Fluorobiphenyl	82%		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: 299-PE-80
Lab Sample ID: JB67976-9
Matrix: SO - Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 05/29/14
Date Received: 05/29/14
Percent Solids: 88.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4750	55	1.4	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.50 B	2.2	0.30	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	1.7 B	2.2	0.32	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	36.9	22	0.088	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.37	0.22	0.022	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.18 B	0.55	0.055	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1650	550	3.3	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	14.3	1.1	0.077	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	4.7 B	5.5	0.066	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	10.2	2.7	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	10700	55	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	5.0	2.2	0.23	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	3200	550	3.7	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	488	1.6	0.066	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0081 U	0.036	0.0081	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	19.0	4.4	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1560	1100	4.4	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.36 U	2.2	0.36	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.95	0.55	0.15	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	143 B	1100	2.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.45 U	1.1	0.45	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	17.6	5.5	0.099	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	25.7	2.2	0.42	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	300-PE-79		
Lab Sample ID:	JB67976-10	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11315.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0107	0.0086	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00086	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0043	0.00044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0043	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0043	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0043	0.00041	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0086	0.0038	mg/kg	
75-15-0	Carbon disulfide	ND	0.0043	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0043	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0043	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0043	0.00085	mg/kg	
67-66-3	Chloroform	ND	0.0043	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0043	0.00029	mg/kg	
110-82-7	Cyclohexane	ND	0.0043	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0086	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0043	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00086	0.00047	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0043	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0043	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0043	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0043	0.00030	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0043	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00086	0.00027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0043	0.00025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0043	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0043	0.00036	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0043	0.00037	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0043	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0043	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.00086	0.00015	mg/kg	
76-13-1	Freon 113	0.00054	0.0043	0.00037	mg/kg	J
591-78-6	2-Hexanone	ND	0.0043	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:	300-PE-79		
Lab Sample ID:	JB67976-10	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	88.5
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	0.0043	0.00013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0043	0.0014	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0043	0.00014	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00086	0.00029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0043	0.0011	mg/kg	
75-09-2	Methylene chloride	ND	0.0043	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0043	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0043	0.00029	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0043	0.00035	mg/kg	
108-88-3	Toluene	ND	0.00086	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0043	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0043	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0043	0.00025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0043	0.00070	mg/kg	
79-01-6	Trichloroethene	ND	0.0043	0.00030	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0043	0.00019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0043	0.00029	mg/kg	
	m,p-Xylene	ND	0.00086	0.00041	mg/kg	
95-47-6	o-Xylene	ND	0.00086	0.00015	mg/kg	
1330-20-7	Xylene (total)	ND	0.00086	0.00015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		59-130%
17060-07-0	1,2-Dichloroethane-D4	99%		65-123%
2037-26-5	Toluene-D8	116%		77-125%
460-00-4	4-Bromofluorobenzene	120%		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 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	300-PE-79		
Lab Sample ID:	JB67976-10	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37324.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	33.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.068	0.034	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.055	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.057	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.68	0.042	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.68	0.042	mg/kg	
95-48-7	2-Methylphenol	ND	0.068	0.039	mg/kg	
	3&4-Methylphenol	ND	0.068	0.043	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.036	mg/kg	
100-02-7	4-Nitrophenol	ND	0.34	0.058	mg/kg	
87-86-5	Pentachlorophenol	ND	0.34	0.058	mg/kg	
108-95-2	Phenol	ND	0.068	0.036	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.039	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.032	mg/kg	
83-32-9	Acenaphthene	ND	0.034	0.0099	mg/kg	
208-96-8	Acenaphthylene	ND	0.034	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0060	mg/kg	
120-12-7	Anthracene	ND	0.034	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.068	0.0067	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.034	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.034	0.011	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.034	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.034	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.068	0.012	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.068	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.068	0.0039	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0078	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.068	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.011	mg/kg	
86-74-8	Carbazole	ND	0.068	0.016	mg/kg	

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

Report of Analysis

Client Sample ID:	300-PE-79		
Lab Sample ID:	JB67976-10	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.068	0.011	mg/kg	
218-01-9	Chrysene	ND	0.034	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.068	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.068	0.010	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.068	0.010	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.068	0.010	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.034	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.034	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.068	0.0086	mg/kg	
123-91-1	1,4-Dioxane	ND	0.034	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.034	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.068	0.010	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.068	0.0076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.068	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.068	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.068	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.068	0.030	mg/kg	
206-44-0	Fluoranthene	ND	0.034	0.015	mg/kg	
86-73-7	Fluorene	ND	0.034	0.011	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.068	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.034	0.0095	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.34	0.035	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.0095	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.034	0.012	mg/kg	
78-59-1	Isophorone	ND	0.068	0.0092	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.019	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.015	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.013	mg/kg	
91-20-3	Naphthalene	ND	0.034	0.0093	mg/kg	
98-95-3	Nitrobenzene	ND	0.068	0.0098	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.068	0.0083	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.020	mg/kg	
85-01-8	Phenanthrene	ND	0.034	0.015	mg/kg	
129-00-0	Pyrene	ND	0.034	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.010	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:	300-PE-79		
Lab Sample ID:	JB67976-10	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	88.5
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	49%		15-110%
118-79-6	2,4,6-Tribromophenol	39%		20-123%
4165-60-0	Nitrobenzene-d5	42%		10-110%
321-60-8	2-Fluorobiphenyl	72%		17-110%
1718-51-0	Terphenyl-d14	74%		30-124%

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

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

Report of Analysis

Client Sample ID:	300-PE-79		
Lab Sample ID:	JB67976-10	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
		Percent Solids:	88.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5170	54	1.4	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.70 B	2.2	0.29	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.4	2.2	0.31	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	42.1	22	0.086	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.44	0.22	0.022	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.20 B	0.54	0.054	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	4630	540	3.3	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	24.1	1.1	0.075	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	6.6	5.4	0.065	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	11.8	2.7	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	13100	54	1.0	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	6.8	2.2	0.23	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	4550	540	3.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	376	1.6	0.065	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0082 U	0.036	0.0082	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	47.8	4.3	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1530	1100	4.3	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.36 U	2.2	0.36	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	1.0	0.54	0.15	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	188 B	1100	2.0	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.44 U	1.1	0.44	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	20.6	5.4	0.097	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	25.8	2.2	0.41	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	301-PE-89		
Lab Sample ID:	JB67976-11	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	86.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11319.D	1	05/30/14	TDN	n/a	n/a	V3V479
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	0.0200	0.0085	0.0039	mg/kg	
71-43-2	Benzene	ND	0.00085	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0042	0.00044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0042	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0042	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0042	0.00041	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0085	0.0037	mg/kg	
75-15-0	Carbon disulfide	ND	0.0042	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0042	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0042	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0042	0.00084	mg/kg	
67-66-3	Chloroform	ND	0.0042	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0042	0.00029	mg/kg	
110-82-7	Cyclohexane	ND	0.0042	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0085	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0042	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00085	0.00046	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0042	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0042	0.00018	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0042	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0042	0.00030	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0042	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00085	0.00027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0042	0.00024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0042	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0042	0.00036	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0042	0.00037	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0042	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0042	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.00085	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0042	0.00037	mg/kg	
591-78-6	2-Hexanone	ND	0.0042	0.0015	mg/kg	

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

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

Report of Analysis

Client Sample ID:	301-PE-89		
Lab Sample ID:	JB67976-11	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	86.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0042	0.00012	mg/kg	
79-20-9	Methyl Acetate	ND	0.0042	0.0014	mg/kg	
108-87-2	Methylcyclohexane	0.00036	0.0042	0.00014	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00085	0.00029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0042	0.0011	mg/kg	
75-09-2	Methylene chloride	ND	0.0042	0.0014	mg/kg	
100-42-5	Styrene	ND	0.0042	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0042	0.00029	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0042	0.00035	mg/kg	
108-88-3	Toluene	ND	0.00085	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0042	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0042	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0042	0.00024	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0042	0.00070	mg/kg	
79-01-6	Trichloroethene	ND	0.0042	0.00030	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0042	0.00019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0042	0.00029	mg/kg	
	m,p-Xylene	ND	0.00085	0.00041	mg/kg	
95-47-6	o-Xylene	ND	0.00085	0.00015	mg/kg	
1330-20-7	Xylene (total)	ND	0.00085	0.00015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		59-130%
17060-07-0	1,2-Dichloroethane-D4	101%		65-123%
2037-26-5	Toluene-D8	116%		77-125%
460-00-4	4-Bromofluorobenzene	119%		71-132%

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	301-PE-89		
Lab Sample ID:	JB67976-11	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37325.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	32.1 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	0.072	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:	301-PE-89		
Lab Sample ID:	JB67976-11	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.072	0.011	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.072	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.0091	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.072	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.072	0.0080	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	61%		13-110%

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

Report of Analysis

Client Sample ID:	301-PE-89		
Lab Sample ID:	JB67976-11	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	86.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		15-110%
118-79-6	2,4,6-Tribromophenol	90%		20-123%
4165-60-0	Nitrobenzene-d5	79%		10-110%
321-60-8	2-Fluorobiphenyl	77%		17-110%
1718-51-0	Terphenyl-d14	89%		30-124%

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

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

Report of Analysis

Client Sample ID:	301-PE-89		
Lab Sample ID:	JB67976-11	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
		Percent Solids:	86.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4400	55	1.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.34 B	2.2	0.30	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.2	2.2	0.32	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	35.5	22	0.089	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.37	0.22	0.022	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.19 B	0.55	0.055	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1390	550	3.4	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	10.7	1.1	0.078	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	4.1 B	5.5	0.066	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	10.2	2.8	0.17	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	8800	55	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	5.2	2.2	0.23	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	2990	550	3.7	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	388	1.7	0.066	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0084 U	0.037	0.0084	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	20.6	4.4	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	864 B	1100	4.4	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.37 U	2.2	0.37	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.70	0.55	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	91.4 B	1100	2.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.45 U	1.1	0.45	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	15.5	5.5	0.10	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	22.3	2.2	0.42	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

Accutest LabLink@815166 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	302-PE-78		
Lab Sample ID:	JB67976-12	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	82.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11320.D	1	05/30/14	TDN	n/a	n/a	V3V479
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0251	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	0.00026	mg/kg	
74-87-3	Chloromethane	ND	0.0050	0.00035	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	0.00036	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0050	0.00032	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	0.00043	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:	302-PE-78		
Lab Sample ID:	JB67976-12	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8260C	**Percent Solids:**	82.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00022	0.0050	0.00015	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0050	0.0017	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0050	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	0.0050	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	0.00083	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	0.00049	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	106%		59-130%
17060-07-0	1,2-Dichloroethane-D4	101%		65-123%
2037-26-5	Toluene-D8	116%		77-125%
460-00-4	4-Bromofluorobenzene	120%		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 16:00 18-Sep-2014

Report of Analysis

Client Sample ID:	302-PE-78		
Lab Sample ID:	JB67976-12	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	82.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P37326.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
Run #2							

	Initial Weight	Final Volume
Run #1	32.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.076	0.038	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.038	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.061	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.76	0.046	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.76	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	0.043	mg/kg	
	3&4-Methylphenol	ND	0.076	0.048	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.040	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.064	mg/kg	
87-86-5	Pentachlorophenol	ND	0.38	0.065	mg/kg	
108-95-2	Phenol	ND	0.076	0.040	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.039	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.044	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.036	mg/kg	
83-32-9	Acenaphthene	0.0796	0.038	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.038	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0067	mg/kg	
120-12-7	Anthracene	0.124	0.038	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.076	0.0074	mg/kg	
56-55-3	Benzo(a)anthracene	0.0272	0.038	0.012	mg/kg	J
50-32-8	Benzo(a)pyrene	ND	0.038	0.012	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.038	0.013	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.038	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.038	0.014	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.076	0.022	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.076	0.0044	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0087	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	0.012	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.012	mg/kg	
86-74-8	Carbazole	0.0376	0.076	0.017	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:	302-PE-78		
Lab Sample ID:	JB67976-12	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	82.7
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	0.076	0.012	mg/kg	
218-01-9	Chrysene	0.0264	0.038	0.013	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.076	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	0.017	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.076	0.0096	mg/kg	
123-91-1	1,4-Dioxane	ND	0.038	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.038	0.013	mg/kg	
132-64-9	Dibenzofuran	0.121	0.076	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.076	0.0084	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.076	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.076	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.076	0.033	mg/kg	
206-44-0	Fluoranthene	0.172	0.038	0.017	mg/kg	
86-73-7	Fluorene	0.219	0.038	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	0.011	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	0.039	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.038	0.013	mg/kg	
78-59-1	Isophorone	ND	0.076	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	0.0796	0.076	0.021	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.017	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.015	mg/kg	
91-20-3	Naphthalene	0.170	0.038	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.076	0.0092	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.023	mg/kg	
85-01-8	Phenanthrene	0.500	0.038	0.017	mg/kg	
129-00-0	Pyrene	0.126	0.038	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	62%		13-110%

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

Report of Analysis

Client Sample ID:	302-PE-78		
Lab Sample ID:	JB67976-12	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
Method:	SW846 8270D SW846 3546	**Percent Solids:**	82.7
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	64%		15-110%
118-79-6	2,4,6-Tribromophenol	98%		20-123%
4165-60-0	Nitrobenzene-d5	80%		10-110%
321-60-8	2-Fluorobiphenyl	81%		17-110%
1718-51-0	Terphenyl-d14	100%		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:	302-PE-78		
Lab Sample ID:	JB67976-12	**Date Sampled:**	05/29/14
Matrix:	SO - Soil	**Date Received:**	05/29/14
		Percent Solids:	82.7
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6380	59	1.5	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.41 B	2.3	0.32	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Arsenic	2.6	2.3	0.34	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Barium	45.5	23	0.094	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.48	0.23	0.023	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.18 B	0.59	0.059	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Calcium	1240	590	3.6	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Chromium	14.0	1.2	0.082	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Cobalt	4.5 B	5.9	0.070	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Copper	10.1	2.9	0.18	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Iron	10500	59	1.1	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Lead	7.1	2.3	0.25	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Magnesium	2210	590	4.0	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Manganese	70.1	1.8	0.070	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.0082 U	0.036	0.0082	mg/kg	1	06/11/14	06/11/14	JW	SW846 7471B [2]	SW846 7471B [4]
Nickel	21.1	4.7	0.12	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Potassium	1070 B	1200	4.7	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.45 B	2.3	0.39	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Silver	0.73	0.59	0.16	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Sodium	265 B	1200	2.2	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.48 U	1.2	0.48	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Vanadium	18.8	5.9	0.11	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]
Zinc	26.4	2.3	0.45	mg/kg	1	06/07/14	06/09/14	AP	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34188
(2) Instrument QC Batch: MA34211
(3) Prep QC Batch: MP79886
(4) Prep QC Batch: MP79977

RL = Reporting Limit
MDL = Method Detection Limit

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

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST LABORATORIES

SLL
FB
STB

CHAIN OF CUSTODY

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

PAGE 1 OF 1

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # JB67976

Client / Reporting Information

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

Project Information

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

VOCs | SVOCs | TAL Metals

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	291-PE-74	—	5/28/14	1115	CBM	S	5					2	2	1		D37
2	292-PE-83	—	5/28/14	1120	CBM	S	5					2	2	1		P16
3	293-DUP-3	—	5/28/14	[illegible]	CBM	S	5					2	2	1		14K4
4	294-PE-87	—	5/28/14	1440	CBM	S	5					2	2	1		40128
5	295-PE-81	—	5/28/14	1450	CBM	S	5					2	2	1		
6	296-FB-7	—	5/29/14	0700	CBM	FB	5	2	1			2				E32
7	297-TB-6	—	—	—	CBM	TB	2	2								A27
8	298-PE-82	—	5/29/14	0810	CBM	S	5					2	2	1		V503
9	299-PE-80	—	5/29/14	0815	CBM	S	5					2	2	1		
10	300-PE-79	—	5/29/14	0850	CBM	S	5					2	2	1		
11	301-PE-89	—	5/29/14	0855	CBM	S	5					2	2	1		
12	302-PE-78	—	5/29/14	0900	CBM	S	5					2	2	1		

Turnaround Time (Business days)

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

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

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

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

Comments / Special Instructions

electronic copies only
D.I. slurry voc vials frozen storage
Date: Time: Initials:

Sample Custody must be documented below each time samples change possession, including courier delivery. 4:55

1 Relinquished by Sampler: Christine B Madsen	Date Time: 5/29/14	Received By: 1	2 Relinquished By: William Brazer	Date Time: 5-29-14	Received By: 2		
3 Relinquished by Sampler:	Date Time:	Received By: 3	4 Relinquished By:	Date Time:	Received By: 4		
5 Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Intact / Not intact	Preserved where applicable JK	On Ice	Cooler Temp. 4.2

VA

5.1.5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB67976 **Client:** **Project:**

Date / Time Received: 5/29/2014 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (4.2/3.9); 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

JB67976: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67976

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67976-1	Collected: 28-MAY-14 11:15 By: CBM		Received: 29-MAY-14 By: AS			
291-PE-74						
JB67976-1	SW846 8260C	30-MAY-14 17:52	TDN			VC8260TCL20
JB67976-1	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-1	SW846 8270D	06-JUN-14 15:50	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-1	SW846 6010C	09-JUN-14 21:52	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-1	SW846 7471B	11-JUN-14 13:06	JW	11-JUN-14	JW	HG
JB67976-2	Collected: 28-MAY-14 11:20 By: CBM		Received: 29-MAY-14 By: AS			
292-PE-83						
JB67976-2	SW846 8260C	30-MAY-14 18:19	TDN			VC8260TCL20
JB67976-2	SM2540 G-97	02-JUN-14 14:20	AA			%SOL
JB67976-2	SW846 8270D	06-JUN-14 16:14	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-2	SW846 6010C	09-JUN-14 21:58	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-2	SW846 7471B	11-JUN-14 13:07	JW	11-JUN-14	JW	HG
JB67976-3	Collected: 28-MAY-14 00:00 By: CBM		Received: 29-MAY-14 By: AS			
293-DUP-3						
JB67976-3	SW846 8260C	30-MAY-14 16:59	TDN			VC8260TCL20
JB67976-3	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-3	SW846 8270D	06-JUN-14 01:18	AD	05-JUN-14	FN	AB8270TCL20
JB67976-3	SW846 6010C	09-JUN-14 22:04	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-3	SW846 7471B	11-JUN-14 13:09	JW	11-JUN-14	JW	HG
JB67976-4	Collected: 28-MAY-14 14:40 By: CBM		Received: 29-MAY-14 By: AS			
294-PE-87						
JB67976-4	SW846 8260C	30-MAY-14 16:33	TDN			VC8260TCL20
JB67976-4	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-4	SW846 8270D	06-JUN-14 16:37	ALS	03-JUN-14	TM	AB8270TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67976

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67976-4	SW846 6010C	09-JUN-14 22:22	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67976-4	SW846 7471B	11-JUN-14 13:10	JW	11-JUN-14	JW	HG
JB67976-5 295-PE-81	Collected: 28-MAY-14 14:50 By: CBM		Received: 29-MAY-14 By: AS			
JB67976-5	SW846 8260C	30-MAY-14 16:06	TDN			VC8260TCL20
JB67976-5	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-5	SW846 8270D	06-JUN-14 17:01	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-5	SW846 6010C	09-JUN-14 22:28	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JB67976-5	SW846 7471B	11-JUN-14 13:11	JW	11-JUN-14	JW	HG
JB67976-6 296-FB-7	Collected: 29-MAY-14 07:00 By: CBM		Received: 29-MAY-14 By: AS			
JB67976-6	SW846 6010C	03-JUN-14 01:36	ND	30-MAY-14	JF	AG,AL,AS,BA,BE,CD,CO,CR,CU,FE,K,MN,NA,NI,PB,SE,TL,V
JB67976-6	SW846 6010C	03-JUN-14 23:52	GT	30-MAY-14	JF	SB,ZN
JB67976-6	SW846 6010C	04-JUN-14 15:45	ND	30-MAY-14	JF	CA,MG
JB67976-6	SW846 7470A	05-JUN-14 13:35	JW	05-JUN-14	JW	HG
JB67976-6	SW846 8260C	06-JUN-14 13:06	PR			VC8260TCL20
JB67976-6	SW846 8270D	09-JUN-14 11:32	AR	05-JUN-14	MP	AB8270TCL20
JB67976-7 297-TB-6	Collected: 29-MAY-14 09:00 By: CBM		Received: 29-MAY-14 By: AS			
JB67976-7	SW846 8260C	05-JUN-14 17:49	MD			VC8260TCL20
JB67976-8 298-PE-82	Collected: 29-MAY-14 08:10 By: CBM		Received: 29-MAY-14 By: AS			
JB67976-8	SW846 8260C	30-MAY-14 15:39	TDN			VC8260TCL20
JB67976-8	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-8	SW846 8270D	06-JUN-14 17:25	ALS	03-JUN-14	TM	AB8270TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67976

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67976-8	SW846 6010C	09-JUN-14 22:34	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-8	SW846 7471B	11-JUN-14 13:13	JW	11-JUN-14	JW	HG
JB67976-9	Collected: 29-MAY-14 08:15 By: CBM		Received: 29-MAY-14 By: AS			
299-PE-80						
JB67976-9	SW846 8260C	30-MAY-14 18:46	TDN			VC8260TCL20
JB67976-9	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-9	SW846 8270D	06-JUN-14 17:48	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-9	SW846 6010C	09-JUN-14 22:40	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-9	SW846 7471B	11-JUN-14 13:14	JW	11-JUN-14	JW	HG
JB67976-10	Collected: 29-MAY-14 08:50 By: CBM		Received: 29-MAY-14 By: AS			
300-PE-79						
JB67976-10	SW846 8260C	30-MAY-14 17:26	TDN			VC8260TCL20
JB67976-10	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-10	SW846 8270D	06-JUN-14 18:12	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-10	SW846 6010C	09-JUN-14 22:46	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-10	SW846 7471B	11-JUN-14 13:15	JW	11-JUN-14	JW	HG
JB67976-11	Collected: 29-MAY-14 08:55 By: CBM		Received: 29-MAY-14 By: AS			
301-PE-89						
JB67976-11	SW846 8260C	30-MAY-14 19:13	TDN			VC8260TCL20
JB67976-11	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-11	SW846 8270D	06-JUN-14 18:36	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-11	SW846 6010C	09-JUN-14 22:52	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-11	SW846 7471B	11-JUN-14 13:19	JW	11-JUN-14	JW	HG

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB67976

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB67976-12	Collected: 29-MAY-14 09:00 By: CBM		Received: 29-MAY-14 By: AS			
302-PE-78						
JB67976-12	SW846 8260C	30-MAY-14 19:40	TDN			VC8260TCL20
JB67976-12	SM2540 G-97	31-MAY-14 09:45	AA			%SOL
JB67976-12	SW846 8270D	06-JUN-14 19:00	ALS	03-JUN-14	TM	AB8270TCL20
JB67976-12	SW846 6010C	09-JUN-14 22:57	AP	07-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB67976-12	SW846 7471B	11-JUN-14 13:21	JW	11-JUN-14	JW	HG

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-1.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-1.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-1.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-1.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-1.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-1.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-1.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-1.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-1.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-1.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-1.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-1.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-1.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-1.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-1.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-1.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-1.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-1.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-1.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-1.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-1.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-1.1.1	Mike Sikorsky	Organics Prep	05/30/14 10:59	Extract from JB67976-1.1
JB67976-1.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-1.1
JB67976-1.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-1.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-1.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-1.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-1.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-1.1
JB67976-1.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-1.1
JB67976-1.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-1.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-1.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-1.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-1.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-1.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-1.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-1.1
JB67976-1.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-1.1
JB67976-1.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-1.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-1.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-1.1

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-1.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-1.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-1.1
JB67976-1.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-1.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-1.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-1.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-1.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-1.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-1.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-1.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-1.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-1.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-1.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-1.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-1.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-2.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-2.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-2.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-2.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-2.1	Secured Storage	Todd Shoemaker	06/02/14 10:38	Retrieve from Storage
JB67976-2.1	Todd Shoemaker	Secured Staging Area	06/02/14 10:39	Return to Storage
JB67976-2.1	Secured Staging Area	Aly Abdelgawad	06/02/14 13:00	Retrieve from Storage
JB67976-2.1	Aly Abdelgawad	Secured Storage	06/02/14 14:13	Return to Storage
JB67976-2.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-2.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-2.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-2.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-2.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-2.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-2.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-2.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-2.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-2.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-2.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-2.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-2.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-2.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-2.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-2.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-2.1	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-2.1.1	Mike Sikorsky	Organics Prep	05/30/14 10:59	Extract from JB67976-2.1
JB67976-2.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-2.1
JB67976-2.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-2.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-2.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-2.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-2.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-2.1
JB67976-2.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-2.1
JB67976-2.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-2.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-2.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-2.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-2.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-2.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-2.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-2.1
JB67976-2.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-2.1
JB67976-2.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-2.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-2.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-2.1
JB67976-2.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-2.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-2.1
JB67976-2.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-2.3	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-2.3	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-2.3	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-2.3	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-2.3	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-3.1	Secured Storage	Mike Sikorsky	06/03/14 06:22	Retrieve from Storage
JB67976-3.1	Mike Sikorsky	Secured Storage	06/03/14 08:13	Return to Storage
JB67976-3.1	Secured Storage	Edwin Gonzalez	06/05/14 07:41	Retrieve from Storage
JB67976-3.1	Edwin Gonzalez	Secured Staging Area	06/05/14 07:41	Return to Storage
JB67976-3.1	Secured Staging Area	Mike Sikorsky	06/05/14 08:16	Retrieve from Storage
JB67976-3.1	Mike Sikorsky	Secured Storage	06/05/14 10:48	Return to Storage
JB67976-3.1	Secured Storage	Amirah Hillman	06/05/14 10:53	Retrieve from Storage
JB67976-3.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-3.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-3.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-3.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-3.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-3.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-3.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-3.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-3.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-3.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-3.1.1	Mike Sikorsky	Organics Prep	06/03/14 06:30	Extract from JB67976-3.1
JB67976-3.1.1	Organics Prep	Tin Marlar	06/03/14 16:20	Extract from JB67976-3.1
JB67976-3.1.1	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-3.1.1	Extract Storage		07/14/14 09:00	Disposed
JB67976-3.1.2	Mike Sikorsky	Organics Prep	06/05/14 08:20	Extract from JB67976-3.1
JB67976-3.1.3	Mike Sikorsky	Organics Prep	06/05/14 08:31	Extract from JB67976-3.1
JB67976-3.1.3	Organics Prep	Finley Nyaata	06/05/14 17:37	Extract from JB67976-3.1
JB67976-3.1.3	Finley Nyaata	Extract Storage	06/05/14 17:37	Return to Storage
JB67976-3.1.3	Extract Storage	Ashley Dye	06/06/14 00:05	Retrieve from Storage
JB67976-3.1.3	Ashley Dye	GCMS2P	06/06/14 00:05	Load on Instrument
JB67976-3.1.3	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-3.1.3	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-3.1.3	Extract Freezer		07/16/14 09:00	Disposed
JB67976-3.1.4	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-3.1
JB67976-3.1.4	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-3.1
JB67976-3.1.4	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-3.1.4	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-3.1.5	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-3.1
JB67976-3.1.5	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-3.1.5	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-3.1
JB67976-3.1.5	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-3.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-3.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-3.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-3.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-3.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-3.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-3.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-3.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-3.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JB67976
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-3.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-3.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-3.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-4.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-4.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-4.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-4.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-4.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-4.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-4.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-4.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-4.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-4.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-4.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-4.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-4.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-4.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-4.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-4.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-4.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-4.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-4.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-4.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-4.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-4.1.1	Mike Sikorsky	Organics Prep	05/30/14 10:59	Extract from JB67976-4.1
JB67976-4.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-4.1
JB67976-4.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-4.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-4.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-4.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-4.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-4.1
JB67976-4.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-4.1
JB67976-4.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-4.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-4.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-4.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-4.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-4.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-4.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-4.1
JB67976-4.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-4.1

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-4.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-4.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-4.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-4.1
JB67976-4.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-4.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-4.1
JB67976-4.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-4.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-4.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-4.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-4.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-4.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-4.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-4.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-4.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-4.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-4.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-4.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-4.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-5.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-5.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-5.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-5.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-5.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-5.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-5.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-5.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-5.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-5.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-5.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-5.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-5.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-5.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-5.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-5.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-5.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-5.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-5.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-5.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-5.1	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-5.1.1	Mike Sikorsky	Organics Prep	05/30/14 10:59	Extract from JB67976-5.1
JB67976-5.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-5.1
JB67976-5.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-5.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-5.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-5.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-5.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-5.1
JB67976-5.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-5.1
JB67976-5.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-5.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-5.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-5.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-5.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-5.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-5.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-5.1
JB67976-5.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-5.1
JB67976-5.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-5.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-5.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-5.1
JB67976-5.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-5.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-5.1
JB67976-5.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-5.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-5.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-5.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-5.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-5.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-5.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-5.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-5.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-5.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-5.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-5.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-5.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-6.1	Secured Storage	Gage Donahue	06/05/14 12:26	Retrieve from Storage
JB67976-6.1	Gage Donahue	Secured Staging Area	06/05/14 12:26	Return to Storage

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Job Number: JB67976
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-6.1	Secured Staging Area	Emad Eid	06/05/14 15:03	Retrieve from Storage
JB67976-6.1	Max Ponce		06/06/14 02:42	Depleted
Analyst unavailable for custody transfer.				
JB67976-6.1.1	Emad Eid	Organics Prep	06/05/14 15:07	Extract from JB67976-6.1
JB67976-6.1.1	Organics Prep	Max Ponce	06/06/14 02:54	Extract from JB67976-6.1
JB67976-6.1.1	Max Ponce	Extract Storage	06/06/14 02:54	Return to Storage
JB67976-6.1.1	Extract Storage		07/16/14 09:00	Disposed
JB67976-6.2	Secured Storage	Nicholas Goydish	06/02/14 07:17	Retrieve from Storage
JB67976-6.2	Nicholas Goydish		06/02/14 15:59	Depleted
JB67976-6.2.1	Nicholas Goydish	Organics Prep	06/02/14 07:23	Extract from JB67976-6.2
JB67976-6.2.1	Organics Prep	Nicholas Goydish	06/02/14 17:13	Extract from JB67976-6.2
JB67976-6.2.1	Nicholas Goydish	Extract Storage	06/02/14 17:13	Return to Storage
JB67976-6.2.1	Extract Storage	Sara Wellington	06/04/14 14:58	Retrieve from Storage
JB67976-6.2.1	Sara Wellington	GCMSP	06/04/14 14:58	Load on Instrument
JB67976-6.2.1	GCMSP	Kristi Schollenberger	06/05/14 12:31	Unload from Instrument
JB67976-6.2.1	Kristi Schollenberger	Extract Freezer	06/05/14 12:31	Return to Storage
JB67976-6.2.1	Extract Freezer		07/14/14 09:00	Disposed
JB67976-6.3	Secured Storage	Todd Shoemaker	05/30/14 14:16	Retrieve from Storage
JB67976-6.3	Todd Shoemaker	Secured Staging Area	05/30/14 14:16	Return to Storage
JB67976-6.3	Secured Staging Area	Juliana Franchetti	05/30/14 15:10	Retrieve from Storage
JB67976-6.3	Juliana Franchetti	Secured Storage	05/30/14 17:47	Return to Storage
JB67976-6.3	Secured Storage	Edwin Gonzalez	06/05/14 07:47	Retrieve from Storage
JB67976-6.3	Edwin Gonzalez	Secured Staging Area	06/05/14 07:47	Return to Storage
JB67976-6.3	Secured Staging Area	Jieyu Wang	06/05/14 08:26	Retrieve from Storage
JB67976-6.3	Jieyu Wang	Secured Storage	06/05/14 10:28	Return to Storage
JB67976-6.3	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-6.4	Secured Storage	Robert Szot	06/02/14 16:07	Retrieve from Storage
JB67976-6.4	Robert Szot	GCMS1C	06/02/14 16:07	Load on Instrument
JB67976-6.4	GCMS1C	Robert Szot	06/02/14 16:44	Unload from Instrument
JB67976-6.4	Robert Szot	Secured Storage	06/02/14 16:44	Return to Storage
JB67976-6.4	Secured Storage	Maricela Delgaolillo	06/03/14 16:25	Retrieve from Storage
JB67976-6.4	Maricela Delgaolillo	GCMS1C	06/03/14 16:25	Load on Instrument
JB67976-6.4	GCMS1C	Dezaree Reis	06/06/14 10:56	Unload from Instrument
JB67976-6.4	Dezaree Reis	Secured Storage	06/06/14 10:56	Return to Storage
JB67976-6.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-6.5	Secured Storage	Payal Rana	06/06/14 12:34	Retrieve from Storage
JB67976-6.5	Payal Rana	GCMS4D	06/06/14 12:34	Load on Instrument
JB67976-6.5	GCMS4D	Payal Rana	06/09/14 10:02	Unload from Instrument

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-6.5	Payal Rana	Secured Storage	06/09/14 10:02	Return to Storage
JB67976-6.5	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-7.1	Secured Storage	Robert Szot	06/02/14 16:07	Retrieve from Storage
JB67976-7.1	Robert Szot	GCMS1C	06/02/14 16:07	Load on Instrument
JB67976-7.1	GCMS1C	Robert Szot	06/02/14 16:44	Unload from Instrument
JB67976-7.1	Robert Szot	Secured Storage	06/02/14 16:44	Return to Storage
JB67976-7.1	Secured Storage	Maricela Delgaolillo	06/03/14 16:25	Retrieve from Storage
JB67976-7.1	Maricela Delgaolillo	GCMS1C	06/03/14 16:25	Load on Instrument
JB67976-7.1	GCMS1C	Dezaree Reis	06/06/14 10:56	Unload from Instrument
JB67976-7.1	Dezaree Reis	Secured Storage	06/06/14 10:56	Return to Storage
JB67976-7.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-8.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-8.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-8.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-8.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-8.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-8.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-8.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-8.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-8.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-8.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-8.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-8.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-8.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-8.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-8.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-8.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-8.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-8.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-8.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-8.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-8.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-8.1.1	Mike Sikorsky	Organics Prep	05/30/14 10:59	Extract from JB67976-8.1
JB67976-8.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-8.1
JB67976-8.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-8.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-8.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-8.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-8.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-8.1
JB67976-8.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-8.1

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-8.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-8.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-8.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-8.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-8.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-8.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-8.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-8.1
JB67976-8.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-8.1
JB67976-8.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-8.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-8.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-8.1
JB67976-8.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-8.1
JB67976-8.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-8.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-8.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-8.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-8.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-8.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-8.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-8.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-8.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-8.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-8.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-8.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-8.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-8.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-9.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-9.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-9.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-9.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-9.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-9.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-9.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-9.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-9.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-9.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-9.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-9.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-9.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-9.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-9.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-9.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-9.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-9.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-9.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-9.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-9.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-9.1.1	Mike Sikorsky	Organics Prep	05/30/14 10:59	Extract from JB67976-9.1
JB67976-9.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-9.1
JB67976-9.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-9.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-9.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-9.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-9.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-9.1
JB67976-9.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-9.1
JB67976-9.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-9.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-9.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-9.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-9.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-9.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-9.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-9.1
JB67976-9.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-9.1
JB67976-9.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-9.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-9.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-9.1
JB67976-9.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-9.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-9.1
JB67976-9.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-9.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-9.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-9.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-9.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-9.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-9.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-9.2	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-9.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-9.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-9.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-9.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-9.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-10.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-10.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-10.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-10.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-10.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-10.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-10.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-10.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-10.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-10.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-10.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-10.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-10.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-10.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-10.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-10.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-10.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-10.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-10.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-10.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-10.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-10.1.1	Mike Sikorsky	Organics Prep	05/30/14 12:11	Extract from JB67976-10.1
JB67976-10.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-10.1
JB67976-10.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-10.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-10.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-10.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-10.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-10.1
JB67976-10.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-10.1
JB67976-10.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-10.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-10.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-10.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-10.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-10.1.2	Extract Freezer		07/14/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-10.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-10.1
JB67976-10.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-10.1
JB67976-10.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-10.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-10.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-10.1
JB67976-10.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-10.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-10.1
JB67976-10.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-10.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-10.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-10.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-10.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-10.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-10.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-10.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-10.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-10.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-10.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-10.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-10.4	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-11.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-11.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-11.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-11.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-11.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-11.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-11.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-11.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-11.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-11.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-11.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-11.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-11.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-11.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-11.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-11.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-11.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-11.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-11.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-11.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-11.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-11.1.1	Mike Sikorsky	Organics Prep	05/30/14 12:11	Extract from JB67976-11.1
JB67976-11.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-11.1
JB67976-11.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-11.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-11.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-11.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-11.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-11.1
JB67976-11.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-11.1
JB67976-11.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-11.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-11.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-11.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-11.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-11.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-11.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-11.1
JB67976-11.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-11.1
JB67976-11.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-11.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed
JB67976-11.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-11.1
JB67976-11.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-11.1
JB67976-11.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-11.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-11.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-11.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-11.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-11.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-11.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-11.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-11.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-11.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-11.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-11.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-11.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-11.4	Shirley Grzybowski		07/07/14 08:45	Disposed

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-12.1	Secured Storage	Alfredo Crespo	05/30/14 10:44	Retrieve from Storage
JB67976-12.1	Alfredo Crespo	Secured Staging Area	05/30/14 10:44	Return to Storage
JB67976-12.1	Secured Staging Area	Mike Sikorsky	05/30/14 10:55	Retrieve from Storage
JB67976-12.1	Mike Sikorsky	Secured Storage	05/30/14 14:53	Return to Storage
JB67976-12.1	Secured Storage	Gage Donahue	06/03/14 08:59	Retrieve from Storage
JB67976-12.1	Gage Donahue	Secured Staging Area	06/03/14 08:59	Return to Storage
JB67976-12.1	Secured Staging Area	Finley Nyaata	06/03/14 09:10	Retrieve from Storage
JB67976-12.1	Finley Nyaata	Secured Storage	06/03/14 16:08	Return to Storage
JB67976-12.1	Secured Storage	Alfredo Crespo	06/05/14 07:22	Retrieve from Storage
JB67976-12.1	Alfredo Crespo	Secured Staging Area	06/05/14 07:22	Return to Storage
JB67976-12.1	Secured Staging Area	Amirah Hillman	06/05/14 08:50	Retrieve from Storage
JB67976-12.1	Amirah Hillman	Secured Storage	06/05/14 11:26	Return to Storage
JB67976-12.1	Secured Storage	Ana Maria Moreta	06/07/14 07:15	Retrieve from Storage
JB67976-12.1	Ana Maria Moreta	Secured Staging Area	06/07/14 07:15	Return to Storage
JB67976-12.1	Secured Staging Area	Masooda Sultani	06/07/14 09:51	Retrieve from Storage
JB67976-12.1	Masooda Sultani	Secured Storage	06/07/14 17:19	Return to Storage
JB67976-12.1	Secured Storage	Alfredo Crespo	06/11/14 07:24	Retrieve from Storage
JB67976-12.1	Alfredo Crespo	Secured Staging Area	06/11/14 07:24	Return to Storage
JB67976-12.1	Secured Staging Area	Jieyu Wang	06/11/14 08:31	Retrieve from Storage
JB67976-12.1	Jieyu Wang	Secured Storage	06/11/14 15:10	Return to Storage
JB67976-12.1	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-12.1.1	Mike Sikorsky	Organics Prep	05/30/14 12:11	Extract from JB67976-12.1
JB67976-12.1.1	Organics Prep	Andrew Lee Smith	05/31/14 15:13	Extract from JB67976-12.1
JB67976-12.1.1	Andrew Lee Smith	GCMS2P	05/31/14 15:13	Load on Instrument
JB67976-12.1.1	GCMS2P	Harpreet Kaur	06/05/14 13:25	Unload from Instrument
JB67976-12.1.1	Harpreet Kaur	Extract Freezer	06/05/14 13:25	Return to Storage
JB67976-12.1.1	Extract Freezer		07/10/14 09:00	Disposed
JB67976-12.1.2	Finley Nyaata	Organics Prep	06/03/14 09:13	Extract from JB67976-12.1
JB67976-12.1.2	Organics Prep	Tin Marlar	06/03/14 16:21	Extract from JB67976-12.1
JB67976-12.1.2	Tin Marlar	Extract Storage	06/03/14 16:21	Return to Storage
JB67976-12.1.2	Extract Storage	Andrew Lee Smith	06/06/14 13:07	Retrieve from Storage
JB67976-12.1.2	Andrew Lee Smith	GCMS2P	06/06/14 13:07	Load on Instrument
JB67976-12.1.2	GCMS2P	Elwira Antonik	06/12/14 13:15	Unload from Instrument
JB67976-12.1.2	Elwira Antonik	Extract Freezer	06/12/14 13:15	Return to Storage
JB67976-12.1.2	Extract Freezer		07/14/14 09:00	Disposed
JB67976-12.1.3	Amirah Hillman	Metals Digestion	06/05/14 11:11	Digestate from JB67976-12.1
JB67976-12.1.3	Metals Digestion	Amirah Hillman	06/05/14 11:12	Digestate from JB67976-12.1
JB67976-12.1.3	Amirah Hillman	Metals Digestate Storage	06/05/14 11:12	Return to Storage
JB67976-12.1.3	Metals Digestate Storage		08/12/14 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 05/29/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB67976-12.1.4	Masooda Sultani	Metals Digestion	06/07/14 10:43	Digestate from JB67976-12.1
JB67976-12.1.4	Masooda Sultani	Metals Digestate Storage	06/07/14 10:44	Return to Storage
JB67976-12.1.4	Metals Digestion	Masooda Sultani	06/07/14 10:44	Digestate from JB67976-12.1
JB67976-12.1.4	Metals Digestate Storage		08/14/14 09:00	Disposed
JB67976-12.2	Secured Storage	Edwin Gonzalez	05/30/14 15:47	Retrieve from Storage
JB67976-12.2	Edwin Gonzalez	Secured Staging Area	05/30/14 15:48	Return to Storage
JB67976-12.2	Secured Storage	Ana Maria Moreta	05/31/14 07:32	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB67976-12.2	Ana Maria Moreta	Secured Staging Area	05/31/14 07:32	Return to Storage
JB67976-12.2	Secured Staging Area	Aly Abdelgawad	05/31/14 07:59	Retrieve from Storage
JB67976-12.2	Aly Abdelgawad	Secured Storage	05/31/14 10:30	Return to Storage
JB67976-12.2	Shirley Grzybowski		07/07/14 08:45	Disposed
JB67976-12.4	Secured Storage	Thien Nguyen	05/30/14 15:02	Retrieve from Storage
JB67976-12.4	Thien Nguyen	GCMS3V	05/30/14 15:02	Load on Instrument
JB67976-12.4	GCMS3V	Thien Nguyen	06/02/14 10:33	Unload from Instrument
JB67976-12.4	Thien Nguyen	Secured Storage	06/02/14 10:33	Return to Storage
JB67976-12.4	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: JB67976
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
V3V479-MB	3V11302.D	1	05/30/14	TDN	n/a	n/a	V3V479

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

JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
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
V3V479-MB	3V11302.D	1	05/30/14	TDN	n/a	n/a	V3V479

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

JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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	105%	59-130%
17060-07-0	1,2-Dichloroethane-D4	100%	65-123%
2037-26-5	Toluene-D8	118%	77-125%
460-00-4	4-Bromofluorobenzene	119%	71-132%

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

Method Blank Summary

Job Number: JB67976
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

JB67976-7

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: JB67976
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

JB67976-7

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	

Method Blank Summary

Job Number: JB67976
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
V2B5444-MB	2B119920.D	1	06/06/14	PR	n/a	n/a	V2B5444

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

JB67976-6

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: JB67976
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
V2B5444-MB	2B119920.D	1	06/06/14	PR	n/a	n/a	V2B5444

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

JB67976-6

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	101%	79-120%
17060-07-0	1,2-Dichloroethane-D4	101%	72-123%
2037-26-5	Toluene-D8	107%	78-119%
460-00-4	4-Bromofluorobenzene	99%	74-119%

Blank Spike Summary

Job Number: JB67976
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
V3V479-BS	3V11303.D	1	05/30/14	TDN	n/a	n/a	V3V479

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

JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	58.2	116	50-147
71-43-2	Benzene	50	55.9	112	75-122
74-97-5	Bromochloromethane	50	53.4	107	77-127
75-27-4	Bromodichloromethane	50	56.2	112	79-132
75-25-2	Bromoform	50	55.5	111	76-134
74-83-9	Bromomethane	50	55.7	111	56-151
78-93-3	2-Butanone (MEK)	50	58.6	117	68-137
75-15-0	Carbon disulfide	50	60.9	122	70-129
56-23-5	Carbon tetrachloride	50	58.7	117	71-148
108-90-7	Chlorobenzene	50	55.7	111	78-120
75-00-3	Chloroethane	50	58.3	117	64-145
67-66-3	Chloroform	50	51.7	103	75-124
74-87-3	Chloromethane	50	60.1	120	51-139
110-82-7	Cyclohexane	50	59.6	119	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	53.2	106	69-134
124-48-1	Dibromochloromethane	50	55.1	110	79-130
106-93-4	1,2-Dibromoethane	50	56.6	113	80-122
95-50-1	1,2-Dichlorobenzene	50	54.5	109	76-118
541-73-1	1,3-Dichlorobenzene	50	53.9	108	75-120
106-46-7	1,4-Dichlorobenzene	50	53.9	108	73-116
75-71-8	Dichlorodifluoromethane	50	57.5	115	34-161
75-34-3	1,1-Dichloroethane	50	58.0	116	78-128
107-06-2	1,2-Dichloroethane	50	54.8	110	75-139
75-35-4	1,1-Dichloroethene	50	53.4	107	73-128
156-59-2	cis-1,2-Dichloroethene	50	47.3	95	76-123
156-60-5	trans-1,2-Dichloroethene	50	50.2	100	74-123
78-87-5	1,2-Dichloropropane	50	57.6	115	78-125
10061-01-5	cis-1,3-Dichloropropene	50	54.9	110	75-115
10061-02-6	trans-1,3-Dichloropropene	50	55.3	111	80-125
100-41-4	Ethylbenzene	50	56.0	112	75-122
76-13-1	Freon 113	50	55.1	110	60-155
591-78-6	2-Hexanone	50	58.8	118	69-134
98-82-8	Isopropylbenzene	50	58.7	117	73-123
79-20-9	Methyl Acetate	50	51.3	103	59-133
108-87-2	Methylcyclohexane	50	57.0	114	63-142
1634-04-4	Methyl Tert Butyl Ether	100	108	108	75-122

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
V3V479-BS	3V11303.D	1	05/30/14	TDN	n/a	n/a	V3V479

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

JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	57.0	114	72-130
75-09-2	Methylene chloride	50	51.2	102	72-122
100-42-5	Styrene	50	59.3	119	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	55.5	111	70-117
127-18-4	Tetrachloroethene	50	56.7	113	70-136
108-88-3	Toluene	50	52.5	105	75-122
87-61-6	1,2,3-Trichlorobenzene	50	53.1	106	67-135
120-82-1	1,2,4-Trichlorobenzene	50	52.9	106	64-137
71-55-6	1,1,1-Trichloroethane	50	55.9	112	78-136
79-00-5	1,1,2-Trichloroethane	50	55.5	111	75-123
79-01-6	Trichloroethene	50	54.7	109	81-130
75-69-4	Trichlorofluoromethane	50	55.6	111	57-146
75-01-4	Vinyl chloride	50	59.7	119	55-133
	m,p-Xylene	100	109	109	75-122
95-47-6	o-Xylene	50	57.1	114	75-121
1330-20-7	Xylene (total)	150	166	111	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	59-130%
17060-07-0	1,2-Dichloroethane-D4	103%	65-123%
2037-26-5	Toluene-D8	117%	77-125%
460-00-4	4-Bromofluorobenzene	117%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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

JB67976-7

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: JB67976
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

JB67976-7

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.

Blank Spike Summary

Job Number: JB67976
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
V2B5444-BS	2B119921.D	1	06/06/14	PR	n/a	n/a	V2B5444

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

JB67976-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	60.2	120	52-152
71-43-2	Benzene	50	53.1	106	80-121
74-97-5	Bromochloromethane	50	54.9	110	82-125
75-27-4	Bromodichloromethane	50	54.5	109	83-127
75-25-2	Bromoform	50	49.2	98	74-131
74-83-9	Bromomethane	50	50.2	100	45-155
78-93-3	2-Butanone (MEK)	50	58.0	116	67-136
75-15-0	Carbon disulfide	50	56.5	113	69-129
56-23-5	Carbon tetrachloride	50	55.4	111	77-138
108-90-7	Chlorobenzene	50	51.5	103	82-119
75-00-3	Chloroethane	50	65.4	131	61-151
67-66-3	Chloroform	50	53.6	107	79-124
74-87-3	Chloromethane	50	51.8	104	48-148
110-82-7	Cyclohexane	50	56.3	113	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	53.0	106	66-137
124-48-1	Dibromochloromethane	50	48.5	97	81-127
106-93-4	1,2-Dibromoethane	50	50.3	101	79-122
95-50-1	1,2-Dichlorobenzene	50	51.2	102	81-121
541-73-1	1,3-Dichlorobenzene	50	50.4	101	81-119
106-46-7	1,4-Dichlorobenzene	50	50.6	101	80-116
75-71-8	Dichlorodifluoromethane	50	47.0	94	33-161
75-34-3	1,1-Dichloroethane	50	57.6	115	78-129
107-06-2	1,2-Dichloroethane	50	53.9	108	75-133
75-35-4	1,1-Dichloroethene	50	52.5	105	74-128
156-59-2	cis-1,2-Dichloroethene	50	54.0	108	78-123
156-60-5	trans-1,2-Dichloroethene	50	52.0	104	75-122
78-87-5	1,2-Dichloropropane	50	54.9	110	80-124
10061-01-5	cis-1,3-Dichloropropene	50	54.3	109	75-114
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	78-123
100-41-4	Ethylbenzene	50	52.7	105	82-120
76-13-1	Freon 113	50	54.6	109	65-150
591-78-6	2-Hexanone	50	59.9	120	65-135
98-82-8	Isopropylbenzene	50	56.3	113	80-124
79-20-9	Methyl Acetate	50	51.6	103	53-137
108-87-2	Methylcyclohexane	50	51.9	104	62-142
1634-04-4	Methyl Tert Butyl Ether	100	105	105	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
V2B5444-BS	2B119921.D	1	06/06/14	PR	n/a	n/a	V2B5444

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

JB67976-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	57.3	115	68-135
75-09-2	Methylene chloride	50	53.1	106	75-121
100-42-5	Styrene	50	53.6	107	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	48.9	98	71-123
127-18-4	Tetrachloroethene	50	49.4	99	69-141
108-88-3	Toluene	50	54.9	110	80-122
87-61-6	1,2,3-Trichlorobenzene	50	51.4	103	71-138
120-82-1	1,2,4-Trichlorobenzene	50	53.3	107	77-132
71-55-6	1,1,1-Trichloroethane	50	56.3	113	80-132
79-00-5	1,1,2-Trichloroethane	50	53.2	106	80-127
79-01-6	Trichloroethene	50	54.9	110	82-126
75-69-4	Trichlorofluoromethane	50	55.5	111	63-141
75-01-4	Vinyl chloride	50	52.2	104	53-135
	m,p-Xylene	100	105	105	81-121
95-47-6	o-Xylene	50	52.6	105	82-121
1330-20-7	Xylene (total)	150	158	105	82-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	79-120%
17060-07-0	1,2-Dichloroethane-D4	102%	72-123%
2037-26-5	Toluene-D8	109%	78-119%
460-00-4	4-Bromofluorobenzene	104%	74-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
JB67667-1MS	3V11308.D	1	05/30/14	TDN	n/a	n/a	V3V479
JB67667-1MSD	3V11309.D	1	05/30/14	TDN	n/a	n/a	V3V479
JB67667-1	3V11305.D	1	05/30/14	TDN	n/a	n/a	V3V479

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

JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	JB67667-1 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	8.5	J	72.9	77.0	94	72.9	92.9	116	19	10-181/30
71-43-2	Benzene	ND		72.9	82.1	113	72.9	75.7	104	8	45-131/22
74-97-5	Bromochloromethane	ND		72.9	79.3	109	72.9	74.9	103	6	50-131/21
75-27-4	Bromodichloromethane	ND		72.9	80.7	111	72.9	74.3	102	8	44-138/22
75-25-2	Bromoform	ND		72.9	77.8	107	72.9	71.3	98	9	34-140/24
74-83-9	Bromomethane	ND		72.9	81.9	112	72.9	74.6	102	9	18-152/31
78-93-3	2-Butanone (MEK)	ND		72.9	80.0	110	72.9	79.9	110	0	25-156/27
75-15-0	Carbon disulfide	0.43	J	72.9	83.6	114	72.9	76.3	104	9	28-139/25
56-23-5	Carbon tetrachloride	ND		72.9	79.7	109	72.9	72.6	100	9	33-153/25
108-90-7	Chlorobenzene	ND		72.9	78.4	108	72.9	70.4	97	11	34-138/24
75-00-3	Chloroethane	ND		72.9	86.5	119	72.9	81.8	112	6	26-142/27
67-66-3	Chloroform	ND		72.9	76.4	105	72.9	71.3	98	7	51-129/21
74-87-3	Chloromethane	ND		72.9	86.5	119	72.9	80.0	110	8	34-134/24
110-82-7	Cyclohexane	ND		72.9	77.9	107	72.9	70.0	96	11	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		72.9	74.7	102	72.9	65.7	90	13	22-145/29
124-48-1	Dibromochloromethane	ND		72.9	79.7	109	72.9	73.3	101	8	41-137/22
106-93-4	1,2-Dibromoethane	ND		72.9	83.9	115	72.9	76.3	105	9	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		72.9	69.6	95	72.9	59.0	81	16	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		72.9	68.9	95	72.9	58.6	80	16	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		72.9	67.5	93	72.9	57.9	79	15	20-140/27
75-71-8	Dichlorodifluoromethane	ND		72.9	80.5	110	72.9	73.5	101	9	10-156/30
75-34-3	1,1-Dichloroethane	ND		72.9	87.1	119	72.9	82.1	113	6	50-130/22
107-06-2	1,2-Dichloroethane	ND		72.9	79.5	109	72.9	73.4	101	8	49-136/21
75-35-4	1,1-Dichloroethene	ND		72.9	79.1	108	72.9	73.7	101	7	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		72.9	69.7	96	72.9	66.3	91	5	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		72.9	74.6	102	72.9	70.4	97	6	41-131/22
78-87-5	1,2-Dichloropropane	ND		72.9	87.0	119	72.9	78.9	108	10	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		72.9	83.3	114	72.9	74.8	103	11	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		72.9	83.1	114	72.9	73.1	100	13	37-137/23
100-41-4	Ethylbenzene	ND		72.9	76.6	105	72.9	69.0	95	10	30-139/26
76-13-1	Freon 113	ND		72.9	69.8	96	72.9	63.8	88	9	16-157/27
591-78-6	2-Hexanone	ND		72.9	83.4	114	72.9	77.3	106	8	19-155/29
98-82-8	Isopropylbenzene	ND		72.9	78.6	108	72.9	69.2	95	13	26-141/26
79-20-9	Methyl Acetate	ND		72.9	111	152	72.9	144	198* a	26	17-179/29
108-87-2	Methylcyclohexane	ND		72.9	60.3	83	72.9	52.8	72	13	10-150/30
1634-04-4	Methyl Tert Butyl Ether	ND		72.9	87.8	120	72.9	83.2	114	5	45-130/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
JB67667-1MS	3V11308.D	1	05/30/14	TDN	n/a	n/a	V3V479
JB67667-1MSD	3V11309.D	1	05/30/14	TDN	n/a	n/a	V3V479
JB67667-1	3V11305.D	1	05/30/14	TDN	n/a	n/a	V3V479

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

JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	JB67667-1 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		72.9	88.8	122	72.9	81.8	112	8	31-140/25
75-09-2	Methylene chloride	2.4	J	72.9	75.7	101	72.9	71.7	95	5	44-127/21
100-42-5	Styrene	ND		72.9	81.5	112	72.9	72.1	99	12	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		72.9	85.3	117	72.9	76.8	105	10	30-131/27
127-18-4	Tetrachloroethene	ND		72.9	77.0	106	72.9	70.7	97	9	15-183/26
108-88-3	Toluene	ND		72.9	76.8	105	72.9	69.1	95	11	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		72.9	53.9	74	72.9	42.1	58	25	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		72.9	53.7	74	72.9	42.7	59	23	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		72.9	81.8	112	72.9	74.5	102	9	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		72.9	83.9	115	72.9	76.3	105	9	37-135/25
79-01-6	Trichloroethene	ND		72.9	79.2	109	72.9	71.9	99	10	29-161/23
75-69-4	Trichlorofluoromethane	ND		72.9	79.8	109	72.9	72.8	100	9	14-160/29
75-01-4	Vinyl chloride	ND		72.9	87.7	120	72.9	80.1	110	9	31-140/24
	m,p-Xylene	ND		146	149	102	146	135	93	10	29-140/26
95-47-6	o-Xylene	ND		72.9	80.3	110	72.9	72.0	99	11	31-140/24
1330-20-7	Xylene (total)	ND		219	230	105	219	207	95	11	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB67667-1	Limits
1868-53-7	Dibromofluoromethane	107%	107%	107%	59-130%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	103%	65-123%
2037-26-5	Toluene-D8	119%	117%	117%	77-125%
460-00-4	4-Bromofluorobenzene	121%	119%	119%	71-132%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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

JB67976-7

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: JB67976
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

JB67976-7

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.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
JB67972-3MS	2B119927.D	1	06/06/14	PR	n/a	n/a	V2B5444
JB67972-3MSD	2B119928.D	1	06/06/14	PR	n/a	n/a	V2B5444
JB67972-3	2B119924.D	1	06/06/14	PR	n/a	n/a	V2B5444

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

JB67976-6

CAS No.	Compound	JB67972-3 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	52.1	104	50	51.7	103	1	44-160/20
71-43-2	Benzene	ND		50	49.4	99	50	48.4	97	2	50-136/12
74-97-5	Bromochloromethane	ND		50	51.7	103	50	51.8	104	0	74-131/11
75-27-4	Bromodichloromethane	ND		50	51.6	103	50	52.5	105	2	74-132/11
75-25-2	Bromoform	ND		50	49.6	99	50	49.9	100	1	68-136/12
74-83-9	Bromomethane	ND		50	47.3	95	50	45.5	91	4	37-157/21
78-93-3	2-Butanone (MEK)	ND		50	59.5	119	50	58.8	118	1	60-145/15
75-15-0	Carbon disulfide	ND		50	49.2	98	50	47.0	94	5	37-143/17
56-23-5	Carbon tetrachloride	ND		50	49.7	99	50	47.5	95	5	46-152/17
108-90-7	Chlorobenzene	ND		50	51.6	103	50	51.7	103	0	70-127/12
75-00-3	Chloroethane	ND		50	50.3	101	50	48.5	97	4	44-147/16
67-66-3	Chloroform	ND		50	49.3	99	50	48.8	98	1	67-129/12
74-87-3	Chloromethane	ND		50	47.6	95	50	45.8	92	4	40-149/19
110-82-7	Cyclohexane	2.4	J	50	53.2	102	50	51.5	98	3	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	50.3	101	50	51.4	103	2	61-144/14
124-48-1	Dibromochloromethane	ND		50	48.7	97	50	48.9	98	0	74-131/10
106-93-4	1,2-Dibromoethane	ND		50	52.3	105	50	52.9	106	1	74-129/10
95-50-1	1,2-Dichlorobenzene	ND		50	50.3	101	50	51.0	102	1	73-126/11
541-73-1	1,3-Dichlorobenzene	ND		50	50.0	100	50	50.9	102	2	71-124/12
106-46-7	1,4-Dichlorobenzene	ND		50	49.4	99	50	49.6	99	0	71-123/12
75-71-8	Dichlorodifluoromethane	ND		50	48.3	97	50	45.9	92	5	20-161/25
75-34-3	1,1-Dichloroethane	ND		50	51.0	102	50	50.0	100	2	61-134/12
107-06-2	1,2-Dichloroethane	ND		50	50.8	102	50	50.2	100	1	68-137/11
75-35-4	1,1-Dichloroethene	ND		50	48.2	96	50	47.0	94	3	40-143/17
156-59-2	cis-1,2-Dichloroethene	ND		50	50.5	101	50	50.1	100	1	59-133/12
156-60-5	trans-1,2-Dichloroethene	ND		50	49.0	98	50	47.9	96	2	55-132/14
78-87-5	1,2-Dichloropropane	ND		50	53.5	107	50	53.3	107	0	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	54.9	110	50	54.6	109	1	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	53.4	107	50	52.9	106	1	72-128/11
100-41-4	Ethylbenzene	99.0		50	125	52	50	124	50	1	49-137/13
76-13-1	Freon 113	ND		50	48.2	96	50	46.5	93	4	32-161/23
591-78-6	2-Hexanone	ND		50	68.0	136	50	67.7	135	0	59-145/14
98-82-8	Isopropylbenzene	6.1		50	60.7	109	50	59.9	108	1	57-136/14
79-20-9	Methyl Acetate	ND		50	52.0	104	50	49.7	99	5	46-148/15
108-87-2	Methylcyclohexane	6.1		50	54.5	97	50	52.3	92	4	30-155/21
1634-04-4	Methyl Tert Butyl Ether	ND		50	53.5	107	50	53.1	106	1	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
JB67972-3MS	2B119927.D	1	06/06/14	PR	n/a	n/a	V2B5444
JB67972-3MSD	2B119928.D	1	06/06/14	PR	n/a	n/a	V2B5444
JB67972-3	2B119924.D	1	06/06/14	PR	n/a	n/a	V2B5444

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

JB67976-6

CAS No.	Compound	JB67972-3 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	61.7	123	50	60.4	121	2	63-144/13
75-09-2	Methylene chloride	ND		50	49.3	99	50	48.5	97	2	64-128/11
100-42-5	Styrene	ND		50	49.9	100	50	49.1	98	2	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	50.5	101	50	50.9	102	1	68-131/11
127-18-4	Tetrachloroethene	ND		50	49.1	98	50	49.3	99	0	48-143/15
108-88-3	Toluene	15.0		50	64.6	99	50	64.0	98	1	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	49.2	98	50	49.8	100	1	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	48.7	97	50	50.2	100	3	66-138/12
71-55-6	1,1,1-Trichloroethane	ND		50	50.5	101	50	48.8	98	3	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		50	53.2	106	50	52.5	105	1	73-130/10
79-01-6	Trichloroethene	ND		50	52.3	105	50	52.1	104	0	54-141/13
75-69-4	Trichlorofluoromethane	ND		50	50.8	102	50	48.5	97	5	33-159/25
75-01-4	Vinyl chloride	ND		50	48.2	96	50	46.3	93	4	36-149/19
	m,p-Xylene	866	E	100	817	-49* [a]	100	811	-55* [a]	1	50-137/12
95-47-6	o-Xylene	123		50	157	68	50	157	68	0	60-134/12
1330-20-7	Xylene (total)	989	E	150	975	-9* [a]	150	968	-14* [a]	1	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB67972-3	Limits
1868-53-7	Dibromofluoromethane	98%	99%	101%	79-120%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	101%	72-123%
2037-26-5	Toluene-D8	107%	107%	107%	78-119%
460-00-4	4-Bromofluorobenzene	108%	109%	103%	74-119%

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

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB67976
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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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 JB67976)
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)
JB67976-7	1C128960.D	06/05/14	17:49	08:15	297-TB-6
ZZZZZZ	1C128961.D	06/05/14	18:16	08:42	(unrelated sample)
ZZZZZZ	1C128962.D	06/05/14	18:43	09:09	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11106	15.3		Pass
75	30.0 - 60.0% of mass 95	31541	43.4		Pass
95	Base peak, 100% relative abundance	72693	100.0		Pass
96	5.0 - 9.0% of mass 95	4830	6.64		Pass
173	Less than 2.0% of mass 174	338	0.46	(0.44) [a]	Pass
174	50.0 - 120.0% of mass 95	76453	105.2		Pass
175	5.0 - 9.0% of mass 174	5478	7.54	(7.17) [a]	Pass
176	95.0 - 101.0% of mass 174	75213	103.5	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4949	6.81	(6.58) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2B5440-IC5440	2B119838.D	06/03/14	17:17	00:37	Initial cal 0.2
V2B5440-IC5440	2B119839.D	06/03/14	17:48	01:08	Initial cal 0.5
V2B5440-IC5440	2B119840.D	06/03/14	18:20	01:40	Initial cal 1
V2B5440-IC5440	2B119841.D	06/03/14	18:51	02:11	Initial cal 2
V2B5440-IC5440	2B119842.D	06/03/14	19:22	02:42	Initial cal 5
V2B5440-IC5440	2B119843.D	06/03/14	19:53	03:13	Initial cal 10
V2B5440-IC5440	2B119844.D	06/03/14	20:25	03:45	Initial cal 20
V2B5440-ICC5440	2B119845.D	06/03/14	20:56	04:16	Initial cal 50
V2B5440-IC5440	2B119846.D	06/03/14	21:28	04:48	Initial cal 100
V2B5440-IC5440	2B119847.D	06/03/14	21:59	05:19	Initial cal 200
V2B5440-ICV5440	2B119850.D	06/03/14	23:33	06:53	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V2B5444-BFB	**Injection Date:**	06/06/14
Lab File ID:	2B119916.D	**Injection Time:**	08:44
Instrument ID:	GCMS2B		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11957	16.3		Pass
75	30.0 - 60.0% of mass 95	31554	43.1		Pass
95	Base peak, 100% relative abundance	73213	100.0		Pass
96	5.0 - 9.0% of mass 95	4957	6.77		Pass
173	Less than 2.0% of mass 174	574	0.78	(0.74) [a]	Pass
174	50.0 - 120.0% of mass 95	77338	105.6		Pass
175	5.0 - 9.0% of mass 174	5460	7.46	(7.06) [a]	Pass
176	95.0 - 101.0% of mass 174	74914	102.3	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	5206	7.11	(6.95) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2B5444-CC5440	2B119918.D	06/06/14	10:10	01:26	Continuing cal 20
V2B5444-MB	2B119920.D	06/06/14	11:13	02:29	Method Blank
V2B5444-BS	2B119921.D	06/06/14	11:53	03:09	Blank Spike
JB67976-6	2B119923.D	06/06/14	13:06	04:22	296-FB-7
JB67972-3	2B119924.D	06/06/14	13:37	04:53	(used for QC only; not part of job JB67976)
ZZZZZZ	2B119925.D	06/06/14	14:08	05:24	(unrelated sample)
ZZZZZZ	2B119926.D	06/06/14	14:39	05:55	(unrelated sample)
JB67972-3MS	2B119927.D	06/06/14	15:21	06:37	Matrix Spike
JB67972-3MSD	2B119928.D	06/06/14	15:52	07:08	Matrix Spike Duplicate
ZZZZZZ	2B119931.D	06/06/14	17:27	08:43	(unrelated sample)
ZZZZZZ	2B119932.D	06/06/14	17:58	09:14	(unrelated sample)
ZZZZZZ	2B119933.D	06/06/14	18:29	09:45	(unrelated sample)
ZZZZZZ	2B119934.D	06/06/14	19:01	10:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB67976
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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V3V479-BFB	**Injection Date:**	05/30/14
Lab File ID:	3V11298.D	**Injection Time:**	08:26
Instrument ID:	GCMS3V		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15022	15.9		Pass
75	30.0 - 60.0% of mass 95	40208	42.7		Pass
95	Base peak, 100% relative abundance	94240	100.0		Pass
96	5.0 - 9.0% of mass 95	6469	6.86		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	85117	90.3		Pass
175	5.0 - 9.0% of mass 174	6108	6.48	(7.18) [a]	Pass
176	95.0 - 101.0% of mass 174	82576	87.6	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	5487	5.82	(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
V3V479-CC474	3V11300.D	05/30/14	09:58	01:32	Continuing cal 50
V3V479-MB	3V11302.D	05/30/14	11:02	02:36	Method Blank
V3V479-BS	3V11303.D	05/30/14	12:06	03:40	Blank Spike
JB67667-1	3V11305.D	05/30/14	12:59	04:33	(used for QC only; not part of job JB67976)
JB67667-1MS	3V11308.D	05/30/14	14:20	05:54	Matrix Spike
JB67667-1MSD	3V11309.D	05/30/14	14:46	06:20	Matrix Spike Duplicate
JB67976-8	3V11311.D	05/30/14	15:39	07:13	298-PE-82
JB67976-5	3V11312.D	05/30/14	16:06	07:40	295-PE-81
JB67976-4	3V11313.D	05/30/14	16:33	08:07	294-PE-87
JB67976-3	3V11314.D	05/30/14	16:59	08:33	293-DUP-3
JB67976-10	3V11315.D	05/30/14	17:26	09:00	300-PE-79
JB67976-1	3V11316.D	05/30/14	17:52	09:26	291-PE-74
JB67976-2	3V11317.D	05/30/14	18:19	09:53	292-PE-83
JB67976-9	3V11318.D	05/30/14	18:46	10:20	299-PE-80
JB67976-11	3V11319.D	05/30/14	19:13	10:47	301-PE-89
JB67976-12	3V11320.D	05/30/14	19:40	11:14	302-PE-78

Volatile Internal Standard Area Summary

Job Number: JB67976
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
JB67976-7	119285	7.12	170738	9.63	256524	10.59	241447	13.94	146538	16.42
ZZZZZZ	114959	7.12	170285	9.63	256110	10.58	242797	13.94	142803	16.42
ZZZZZZ	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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V2B5444-CC5440	**Injection Date:**	06/06/14
Lab File ID:	2B119918.D	**Injection Time:**	10:10
Instrument ID:	GCMS2B	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	145544	8.37	282535	10.82	303065	11.74	258733	14.72	144324	16.88
Upper Limit [a]	291088	8.87	565070	11.32	606130	12.24	517466	15.22	288648	17.38
Lower Limit [b]	72772	7.87	141268	10.32	151533	11.24	129367	14.22	72162	16.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2B5444-MB	143195	8.37	287527	10.82	300111	11.74	249739	14.73	150245	16.88
V2B5444-BS	139055	8.37	270830	10.82	295427	11.74	254306	14.73	139163	16.88
JB67976-6	149505	8.37	291220	10.82	300916	11.74	241852	14.72	142535	16.88
JB67972-3	143722	8.36	285561	10.82	301911	11.74	256319	14.72	148575	16.88
ZZZZZZ	157891	8.38	287882	10.82	304606	11.74	266130	14.72	149303	16.88
ZZZZZZ	157170	8.37	304836	10.82	327216	11.74	277881	14.72	156974	16.88
JB67972-3MS	158491	8.38	303371	10.82	333950	11.74	275886	14.72	155419	16.88
JB67972-3MSD	156061	8.37	307609	10.82	342849	11.74	279578	14.72	158092	16.88
ZZZZZZ	178324	8.37	301827	10.82	325674	11.74	290387	14.72	159979	16.88
ZZZZZZ	166373	8.38	330433	10.82	346032	11.74	297483	14.72	172058	16.88
ZZZZZZ	159098	8.38	316879	10.82	344182	11.74	276738	14.72	158145	16.88
ZZZZZZ	160491	8.37	312896	10.82	336680	11.74	293368	14.72	158266	16.88

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

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

Volatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V3V479-CC474	**Injection Date:**	05/30/14
Lab File ID:	3V11300.D	**Injection Time:**	09:58
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	118008	7.32	189274	9.79	284601	10.75	261884	13.96	164058	16.32
Upper Limit [a]	236016	7.82	378548	10.29	569202	11.25	523768	14.46	328116	16.82
Lower Limit [b]	59004	6.82	94637	9.29	142301	10.25	130942	13.46	82029	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
V3V479-MB	79407	7.30	172023	9.79	255602	10.75	239677	13.97	148179	16.32
V3V479-BS	97849	7.31	177468	9.78	260964	10.75	238646	13.96	148667	16.32
JB67667-1	81531	7.32	165373	9.79	248141	10.75	228602	13.97	140370	16.32
JB67667-1MS	119013	7.30	197994	9.79	299274	10.75	274785	13.97	167965	16.32
JB67667-1MSD	127574	7.30	206674	9.79	312832	10.75	284237	13.97	175494	16.32
JB67976-8	89749	7.31	217316	9.79	326302	10.75	304053	13.97	184523	16.32
JB67976-5	104199	7.30	204918	9.79	305286	10.75	282420	13.97	173507	16.32
JB67976-4	108189	7.29	198043	9.79	297188	10.75	276690	13.96	172653	16.32
JB67976-3	97016	7.29	189745	9.79	286792	10.75	267204	13.96	164963	16.32
JB67976-10	93724	7.30	198981	9.79	295003	10.75	267083	13.96	165025	16.32
JB67976-1	95066	7.30	182931	9.79	275848	10.75	255068	13.96	158844	16.32
JB67976-2	73411	7.29	175621	9.78	259636	10.75	239604	13.96	151555	16.32
JB67976-9	91711	7.30	177217	9.79	267007	10.75	246576	13.97	156779	16.32
JB67976-11	85723	7.31	178593	9.79	269067	10.75	244771	13.97	152012	16.32
JB67976-12	90514	7.29	177637	9.79	264886	10.75	241177	13.97	150816	16.32

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

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

Volatile Surrogate Recovery Summary

Job Number: JB67976
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
JB67976-6	2B119923.D	103	101	105	99
JB67976-7	1C128960.D	98	92	100	96
JB67820-3MS	1C128956.D	99	96	100	97
JB67820-3MSD	1C128957.D	99	95	101	98
JB67972-3MS	2B119927.D	98	99	107	108
JB67972-3MSD	2B119928.D	99	99	107	109
V1C5750-BS	1C128948.D	100	97	100	97
V1C5750-MB	1C128947.D	100	97	101	95
V2B5444-BS	2B119921.D	103	102	109	104
V2B5444-MB	2B119920.D	101	101	107	99

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: JB67976
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
JB67976-1	3V11316.D	107	102	117	119
JB67976-2	3V11317.D	102	98	118	117
JB67976-3	3V11314.D	105	101	118	120
JB67976-4	3V11313.D	105	101	118	121
JB67976-5	3V11312.D	105	100	118	122
JB67976-8	3V11311.D	103	96	119	120
JB67976-9	3V11318.D	106	102	118	118
JB67976-10	3V11315.D	105	99	116	120
JB67976-11	3V11319.D	107	101	116	119
JB67976-12	3V11320.D	106	101	116	120
JB67667-1MS	3V11308.D	107	104	119	121
JB67667-1MSD	3V11309.D	107	103	117	119
V3V479-BS	3V11303.D	104	103	117	117
V3V479-MB	3V11302.D	105	100	118	119

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: JB67976 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS1C

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

Calibration Files
1 =1C128178.D 2 =1C128179.D 100 =1C128184.D 50 =1C128183.D
20 =1C128182.D 200 =1C128185.D 5 =1C128180.D 10 =1C128181.D
0.5 =1C128177.D 0.2 =1C128176.D = =

Compound	1	2	100	50	20	200	5	10	0.5	0.2	Avg	%RSD
1) I Tert Butyl Alcohol-d9	ISTD											
2) tertiary butyl alcohol	1.291	1.285	1.141	1.193	1.346	1.067	1.246	1.234			1.225	7.32
3) 1,4-dioxane		0.087	0.092	0.099	0.110	0.089	0.098	0.097			0.096	7.99
4) I pentafluorobenzene	ISTD											
5) Freon 115											0.000#	-1.00
6) Freon 143a											0.000#	-1.00
7) Freon 152a											0.000#	-1.00
8) chlorotrifluoroethene											0.000#	-1.00
9) chlorodifluoromethane	0.556	0.526	0.515	0.513	0.551	0.525	0.549	0.498			0.529	3.93
10) dichlorodifluoromethane	0.918	0.886	0.779	0.808	0.877	0.787	0.837	0.812			0.838	6.05
11) Freon 142b											0.000#	-1.00
12) chloromethane	1.262	1.151	1.059	1.079	1.093	1.020	1.104	1.064	1.037	1.198	1.106	6.87
13) vinyl chloride	1.138	1.021	0.975	0.986	1.012	0.947	1.024	0.960	0.829	0.839	0.973	9.28
14) bromomethane	0.698	0.647	0.549	0.594	0.611	0.442	0.613	0.598			0.594	12.62
15) chloroethane	0.476	0.439	0.385	0.413	0.429	0.301	0.447	0.427			0.415	12.73
16) PENTANE											0.000#	-1.00
17) 1,3-BUTADIENE											0.000#	-1.00
18) vinyl bromide											0.000#	-1.00
19) trichlorofluoromethane	1.031	0.953	0.900	0.924	0.985	0.923	0.940	0.934			0.949	4.37
20) ethyl ether	0.308	0.321	0.330	0.332	0.352	0.319	0.325	0.331			0.327	3.91
21) freon 123a											0.000#	-1.00
22) acrolein	0.165	0.167	0.162	0.165	0.176	0.163	0.167	0.166			0.167	2.59
23) 1,1-dichloroethene												

Initial Calibration Summary

Job Number: JB67976 **Sample:** V1C5716-ICC5716
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 1C128183.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Summary

Job Number: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2B

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

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

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

Initial Calibration Summary

Job Number: JB67976 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Summary

Job Number: JB67976 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Summary

Job Number: JB67976 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

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

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

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

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

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

Initial Calibration Verification

Job Number: JB67976 **Sample:** V2B5440-ICV5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

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

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	103	0.00	8.36
2	M	tertiary butyl alcohol	1.237	1.252	-1.2	111	0.00	8.49
3		ethanol		----------NA----------				
4	M	1,4-dioxane	0.117	0.121	-3.4	107	0.00	12.43
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	10.82
6		freon 143a		----------NA----------				
7		freon 142b		----------NA----------				
8		freon 141b		----------NA----------				
9	M	chlorodifluoromethane	0.547	0.517	5.5	87	-0.01	4.48
10	M	dichlorodifluoromethane	0.699	0.771	-10.3	101	0.00	4.46
11	m	chlorotrifluoroethene		----------NA----------				
12	M	chloromethane	0.876	0.946	-8.0	102	0.00	4.86
13	M	vinyl chloride	0.869	0.948	-9.1	104	0.00	5.16
14		1,3-Butadiene		----------NA----------				
15	M	bromomethane	0.540	0.550	-1.9	102	-0.01	5.90
16	M	chloroethane	0.336	0.353	-5.1	101	0.00	6.08
17		vinyl bromide		----------NA----------				
18	M	trichlorofluoromethane	0.828	0.896	-8.2	101	0.00	6.68
19		Pentane		----------NA----------				
20	M	ethyl ether	0.215	0.231	-7.4	98	0.00	7.13
21	M	acrolein	0.098	0.106	-8.2	100	0.00	7.37
22		2-chloropropane	0.840	0.817	2.7	98	0.00	7.33
23		1,2-dichloro-1,2,2-triflu		----------NA----------				
24	M	1,1-dichloroethene	0.460	0.455	1.1	97	0.00	7.59
25	M	acetone	0.147	0.132	10.2	92	-0.01	7.63
26	M	allyl chloride	0.214	0.213	0.5	95	0.00	8.19
27	M	acetonitrile	0.033	0.030	9.1	94	0.00	8.10
28	M	iodomethane	0.933	0.986	-5.7	98	-0.01	7.89
29	M	iso-butyl alcohol	0.005	0.005#	0.0	104	0.00	11.11
30	M	carbon disulfide	1.757	1.817	-3.4	98	0.00	8.04
31	M	methylene chloride	0.518	0.518	0.0	99	0.00	8.39
32	M	methyl acetate	0.068	0.066	2.9	90	0.00	8.18
33		1-chloropropane	0.755	0.747	1.1	102	0.00	8.45
34	M	methyl tert butyl ether	1.400	1.414	-1.0	97	0.00	8.82
35	M	trans-1,2-dichloroethene	0.423	0.419	0.9	98	0.00	8.83
36	M	di-isopropyl ether	1.496	1.540	-2.9	98	0.00	9.50
37	M	2-butanone	0.048	0.050	-4.2	99	0.00	10.22
38	M	1,1-dichloroethane	0.742	0.775	-4.4	99	0.00	9.45
39	M	chloroprene	0.517	0.478	7.5	88	0.00	9.58
40	M	acrylonitrile	0.172	0.179	-4.1	100	0.00	8.73
41	M	vinyl acetate	0.061	0.072	-18.0	115	0.00	9.45

Initial Calibration Verification

Job Number: JB67976 **Sample:** V2B5440-ICV5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

Initial Calibration Verification

Job Number: JB67976 **Sample:** V2B5440-ICV5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

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

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

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

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

Continuing Calibration Summary

Job Number: JB67976 **Sample:** V2B5444-CC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119918.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2B119918.D Vial: 3
Acq On : 6 Jun 2014 10:10 am Operator: payalr
Sample : cc5440-20 Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	102	0.00	8.37
2	M	tertiary butyl alcohol	1.237	1.085	12.3	92	0.02	8.51
3		ethanol		----------NA----------				
4	M	1,4-dioxane	0.117	0.098	16.2	91	0.00	12.43
5	I	pentafluorobenzene	1.000	1.000	0.0	96	0.00	10.82
6		freon 143a		----------NA----------				
7		freon 142b		----------NA----------				
8		freon 141b		----------NA----------				
9	M	chlorodifluoromethane	0.547	0.561	-2.6	101	-0.01	4.48
10	M	dichlorodifluoromethane	0.699	0.748	-7.0	106	0.01	4.48
11	m	chlorotrifluoroethene		----------NA----------				
12	M	chloromethane	0.876	0.920	-5.0	103	-0.02	4.86
13	M	vinyl chloride	0.869	0.929	-6.9	108	0.00	5.17
14		1,3-Butadiene		----------NA----------				
15	M	bromomethane	0.540	0.566	-4.8	102	-0.02	5.89
16	M	chloroethane	0.336	0.366	-8.9	102	0.00	6.08
17		vinyl bromide		----------NA----------				
18	M	trichlorofluoromethane	0.828	0.929	-12.2	110	0.00	6.68
19		Pentane		----------NA----------				
20	M	ethyl ether	0.215	0.232	-7.9	92	0.00	7.13
21	M	acrolein	0.098	0.106	-8.2	98	0.00	7.37
22		2-chloropropane	0.840	0.899	-7.0	101	0.00	7.34
23		1,2-dichloro-1,2,2-triflu		----------NA----------				
24	M	1,1-dichloroethene	0.460	0.472	-2.6	96	0.00	7.59
25	M	acetone	0.147	0.305	-107.5#	199	0.00	7.64
26	M	allyl chloride	0.214	0.226	-5.6	96	0.00	8.19
27	M	acetonitrile	0.033	0.032	3.0	97	0.00	8.10
28	M	iodomethane	0.933	0.987	-5.8	97	0.00	7.89
29	M	iso-butyl alcohol	0.005	0.005#	0.0	89	0.00	11.10
30	M	carbon disulfide	1.757	1.939	-10.4	101	0.00	8.05
31	M	methylene chloride	0.518	0.535	-3.3	96	0.00	8.39
32	M	methyl acetate	0.068	0.066	2.9	87	0.00	8.18
33		1-chloropropane	0.755	0.778	-3.0	104	0.00	8.45
34	M	methyl tert butyl ether	1.400	1.484	-6.0	98	0.00	8.82
35	M	trans-1,2-dichloroethene	0.423	0.448	-5.9	98	0.00	8.83
36	M	di-isopropyl ether	1.496	1.515	-1.3	94	0.00	9.49
37	M	2-butanone	0.048	0.071	-47.9#	146	0.00	10.22
38	M	1,1-dichloroethane	0.742	0.805	-8.5	99	0.00	9.45
39	M	chloroprene	0.517	0.506	2.1	91	0.00	9.58
40	M	acrylonitrile	0.172	0.188	-9.3	100	0.00	8.73
41	M	vinyl acetate	0.061	0.059	3.3	93	0.00	9.46

Continuing Calibration Summary

Job Number: JB67976 **Sample:** V2B5444-CC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119918.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	M	ethyl tert-butyl ether	1.511	1.455	3.7	93	0.00	10.00
43	M	ethyl acetate	0.051	0.052	-2.0	93	0.00	10.25
44	M	2,2-dichloropropane	0.666	0.765	-14.9	109	0.00	10.27
45	M	cis-1,2-dichloroethene	0.465	0.484	-4.1	95	0.00	10.24
46	M	propionitrile	0.067	0.072	-7.5	102	0.00	10.28
47	M	bromochloromethane	0.230	0.246	-7.0	96	0.00	10.56
48	M	tetrahydrofuran	0.129	0.152	-17.8	109	0.00	10.63
49	M	chloroform	0.701	0.720	-2.7	98	0.00	10.63
50		t-butyl formate	0.366	0.336	8.2	91	0.00	10.71
51	S	dibromofluoromethane (s)	0.392	0.392	0.0	101	0.00	10.83
52	S	1,2-dichloroethane-d4 (s)	0.371	0.377	-1.6	100	0.00	11.26
53	M	freon 113	0.400	0.410	-2.5	97	0.00	7.62
54	M	methacrylonitrile	0.233	0.245	-5.2	98	0.00	10.50
55	M	1,1,1-trichloroethane	0.665	0.696	-4.7	102	0.00	10.93
56	M	Cyclohexane	0.676	0.720	-6.5	103	0.00	11.03
57		tert amyl alcohol		----------NA----------				
58	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	11.74
59		tert amyl ethyl ether		----------NA----------				
60	M	Di-isobutylene		----------NA----------				
61	M	epichlorohydrin	0.031	0.029	6.5	93	0.00	12.92
62	M	n-butyl alcohol	0.012	0.010	16.7	86	0.00	11.84
63	M	carbon tetrachloride	0.534	0.578	-8.2	102	0.00	11.14
64	M	1,1-dichloropropene	0.407	0.430	-5.7	97	0.00	11.11
65	M	hexane	0.401	0.398	0.7	94	0.00	9.23
66	M	benzene	1.312	1.340	-2.1	96	0.00	11.37
67		2,2,4-trimethylpentane	1.297	1.379	-6.3	96	0.00	11.43
68	M	tert-amyl methyl ether	1.309	1.187	9.3	90	0.00	11.44
69	M	heptane	0.194	0.201	-3.6	93	0.00	11.60
70	M	isopropyl acetate	0.668	0.609	8.8	94	0.00	11.31
71	M	1,2-dichloroethane	0.388	0.403	-3.9	95	0.00	11.36
72	M	trichloroethene	0.301	0.314	-4.3	96	0.00	12.07
73		ethyl acrylate		----------NA----------				
74	M	2-nitropropane	0.019	0.016	15.8	84	0.00	13.13
75	M	2-chloroethyl vinyl ether	0.176	0.171	2.8	95	0.00	12.82
76	M	methyl methacrylate	0.073	0.077	-5.5	101	0.00	12.33
77	M	1,2-dichloropropane	0.308	0.334	-8.4	97	0.00	12.31
78	M	dibromomethane	0.191	0.209	-9.4	98	0.00	12.45
79	M	methylcyclohexane	0.620	0.626	-1.0	94	0.00	12.32
80	M	bromodichloromethane	0.400	0.421	-5.2	98	0.00	12.58
81	M	cis-1,3-dichloropropene	0.453	0.489	-7.9	101	0.00	13.02
82	S	toluene-d8 (s)	1.016	1.101	-8.4	106	0.00	13.31
83	M	4-methyl-2-pentanone	0.152	0.153	-0.7	99	0.00	13.13
84	M	toluene	0.650	0.700	-7.7	99	0.00	13.39
		----------	True	Calc.	% Drift	----------		
85	M	3-methyl-1-butanol	400.000	349.654	12.6	88	0.00	13.13
		----------	AvgRF	CCRF	% Dev	----------		
86	M	trans-1,3-dichloropropene	0.398	0.421	-5.8	101	0.00	13.55
87	M	ethyl methacrylate	0.346	0.370	-6.9	99	0.00	13.57
88	M	1,1,2-trichloroethane	0.219	0.231	-5.5	100	0.00	13.74
89	M	2-hexanone	0.105	0.136	-29.5#	120	0.00	13.92
90	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	14.72
91	m	butyl ether		----------NA----------				
92	M	tetrachloroethene	0.325	0.319	1.8	99	0.00	13.94
93	M	1,3-dichloropropane	0.500	0.499	0.2	100	0.00	13.92
94	M	butyl acetate	0.242	0.208	14.0	92	0.00	14.00

Continuing Calibration Summary

Job Number: JB67976 **Sample:** V2B5444-CC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119918.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
95		3,3-dimethyl-1-butanol	200.000	160.379	19.8	89	0.00	14.08

			AvgRF	CCRF	% Dev			
96	M	dibromochloromethane	0.402	0.384	4.5	98	0.00	14.16
97	M	1,2-dibromoethane	0.335	0.336	-0.3	103	0.00	14.31
98	M	chlorobenzene	0.916	0.932	-1.7	104	0.00	14.75
99	M	1,1,1,2-tetrachloroethane	0.448	0.434	3.1	99	0.00	14.80
100	M	ethylbenzene	1.457	1.547	-6.2	104	0.00	14.81
101	M	m,p-xylene	0.568	0.596	-4.9	103	0.00	14.91
102	M	o-xylene	0.649	0.665	-2.5	100	0.00	15.30
103	M	styrene	0.944	0.985	-4.3	102	0.00	15.30
104		butyl acrylate		----------NA----------				
105	M	bromoform	0.317	0.296	6.6	99	0.00	15.52
106	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	16.88
107	M	isopropylbenzene	2.964	3.155	-6.4	100	0.00	15.62
108	S	4-bromofluorobenzene (s)	0.759	0.795	-4.7	107	0.00	15.79
109	M	cyclohexanone	0.041	0.084	-104.9#	206#	0.00	15.75
110	M	bromobenzene	0.812	0.807	0.6	100	0.00	15.97
111	M	1,1,2,2-tetrachloroethane	0.930	0.880	5.4	97	0.00	15.86
112	M	trans-1,4-dichloro-2-bute	0.175	0.184	-5.1	103	0.00	15.91
113	M	1,2,3-trichloropropane	0.203	0.203	0.0	104	0.00	15.94
114	M	n-propylbenzene	3.042	3.285	-8.0	103	0.00	16.00
115	M	2-chlorotoluene	0.734	0.747	-1.8	100	0.00	16.13
116	M	4-chlorotoluene	1.893	1.938	-2.4	103	0.00	16.22
117	M	1,3,5-trimethylbenzene	2.416	2.551	-5.6	100	0.00	16.14

			True	Calc.	% Drift			
118	M	tert-butylbenzene	20.000	17.586	12.1	95	0.00	16.47

			AvgRF	CCRF	% Dev			
119	M	pentachloroethane	0.663	0.618	6.8	96	0.00	16.52
120	M	1,2,4-trimethylbenzene	2.374	2.546	-7.2	101	0.00	16.50
121	M	sec-butylbenzene	3.491	3.475	0.5	100	0.00	16.67
122	M	1,3-dichlorobenzene	1.575	1.557	1.1	101	0.00	16.83
123	M	p-isopropyltoluene	3.013	2.932	2.7	101	0.00	16.78
124	M	1,4-dichlorobenzene	1.580	1.521	3.7	99	0.00	16.91
125	M	1,2-dichlorobenzene	1.709	1.665	2.6	99	0.00	17.28
126	M	n-butylbenzene	1.358	1.438	-5.9	103	0.00	17.17
127	M	1,2-dibromo-3-chloropropa	0.181	0.169	6.6	94	0.00	18.02
128		1,3,5-trichlorobenzene	1.679	1.674	0.3	100	0.00	18.24
129	M	1,2,4-trichlorobenzene	1.648	1.627	1.3	98	0.00	18.88
130	M	hexachlorobutadiene	0.742	0.761	-2.6	106	0.00	19.02
131	M	naphthalene	3.492	3.402	2.6	97	0.00	19.17
132	M	1,2,3-trichlorobenzene	1.637	1.611	1.6	99	0.00	19.41

			True	Calc.	% Drift			
133	M	hexachloroethane	20.000	18.096	9.5	96	0.00	17.55

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

Initial Calibration Summary

Job Number: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **Sample:** V3V474-ICC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11190.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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

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

Initial Calibration Verification

Job Number: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **Sample:** V3V479-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11300.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3V11300.D Vial: 3
Acq On : 30 May 2014 9:58 am Operator: thienn
Sample : cc474-50 Inst : MS3V
Misc : MS68245,V3V479,5,,,,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	141	0.01	7.32
2		1,4-dioxane	0.127	0.134	-5.5	142	0.00	11.51
3		Ethanol	----------NA----------					
4	M	tertiary butyl alcohol	1.339	1.398	-4.4	146	-0.01	7.44
5	I	pentafluorobenzene	1.000	1.000	0.0	124	0.00	9.79
		----------	True	Calc.	% Drift	----------		
6		chlorodifluoromethane	50.000	60.896	-21.8#	144	0.01	3.56
		----------	AvgRF	CCRF	% Dev	----------		
7		dichlorodifluoromethane	1.328	1.471	-10.8	132	0.00	3.54
8		chloromethane	1.143	1.328	-16.2	141	0.01	3.86
9		vinyl chloride	1.231	1.426	-15.8	138	0.00	4.13
10		bromomethane	0.781	0.848	-8.6	133	0.01	4.82
11		chloroethane	0.406	0.461	-13.5	137	0.00	4.99
12		trichlorofluoromethane	1.355	1.453	-7.2	130	0.00	5.52
13		ethyl ether	0.251	0.292	-16.3	142	0.00	5.96
14		2-chloropropane	0.971	1.153	-18.7	147	0.00	6.18
15		acrolein	0.101	0.082	18.8	112	0.00	6.28
16		1,1-dichloroethene	0.677	0.734	-8.4	136	0.00	6.43
17		acetone	0.177	0.192	-8.5	156	0.00	6.55
18		allyl chloride	0.309	0.335	-8.4	135	0.00	7.05
19		acetonitrile	0.044	0.050	-13.6	146	0.00	7.06
20		iodomethane	1.414	1.563	-10.5	131	0.00	6.74
21		iso-butyl alcohol	0.019	0.022	-15.8	150	0.00	10.14
22		carbon disulfide	2.498	3.006	-20.3#	142	0.00	6.86
23		methylene chloride	0.795	0.815	-2.5	138	0.00	7.28
24		1-chloropropane	1.082	1.095	-1.2	145	0.00	7.30
25		methyl acetate	0.071	0.083	-16.9	144	0.01	7.06
26		methyl tert butyl ether	1.628	1.922	-18.1	139	0.00	7.64
27		trans-1,2-dichloroethene	0.716	0.754	-5.3	134	0.00	7.69
28		di-isopropyl ether	1.711	1.992	-16.4	136	0.00	8.34
29		ethyl tert-butyl ether	1.716	1.986	-15.7	133	0.00	8.86
30		2-butanone	0.056	0.068	-21.4#	153	0.00	9.18
31	M	1,1-dichloroethane	1.097	1.298	-18.3	139	0.00	8.36
32		chloroprene	0.724	0.820	-13.3	130	0.00	8.47
33		acrylonitrile	0.161	0.201	-24.8#	154	0.00	7.70
34		vinyl acetate	0.062	0.069	-11.3	130	0.00	8.37
35		ethyl acetate	0.055	0.062	-12.7	144	0.00	9.20
36		2,2-dichloropropane	1.110	1.276	-15.0	134	0.00	9.18
37		cis-1,2-dichloroethene	0.817	0.792	3.1	131	0.00	9.19

Continuing Calibration Summary

Job Number: JB67976 **Sample:** V3V479-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11300.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38		propionitrile	0.071	0.084	-18.3	152	0.00	9.32
39		methyl acrylate	0.466	0.543	-16.5	149	0.00	9.28
40		bromochloromethane	0.337	0.371	-10.1	131	0.00	9.54
41		tetrahydrofuran	0.149	0.180	-20.8#	154	0.00	9.57
42		chloroform	1.191	1.245	-4.5	131	0.00	9.61
43	S	dibromofluoromethane (s)	0.633	0.680	-7.4	136	0.00	9.83
44	S	1,2-dichloroethane-d4 (s)	0.554	0.583	-5.2	133	0.00	10.28
45		freon 113	0.604	0.632	-4.6	126	0.00	6.40
46		methacrylonitrile	0.231	0.266	-15.2	145	0.00	9.50
47		1,1,1-trichloroethane	1.109	1.249	-12.6	131	0.00	9.85
48		tert-amyl methyl ether	1.714	1.929	-12.5	134	0.00	10.37
49	I	1,4-difluorobenzene	1.000	1.000	0.0	124	0.00	10.75
50		epichlorohydrin	0.028	0.032	-14.3	147	0.00	12.07
51		n-butyl alcohol	0.011	0.014	-27.3#	150	0.00	10.93
52	M	cyclohexane	0.652	0.780	-19.6	139	0.00	9.91
53		carbon tetrachloride	0.661	0.755	-14.2	129	0.00	10.06
54		1,1-dichloropropene	0.519	0.606	-16.8	135	0.00	10.04
55		hexane	0.413	0.463	-12.1	134	0.00	8.02
56		ISOOCTANE	1.472	1.686	-14.5	132	0.00	10.31
57	M	benzene	1.558	1.748	-12.2	134	0.00	10.33
58		heptane	0.252	0.286	-13.5	130	0.00	10.50
59		isopropyl acetate	0.736	0.824	-12.0	136	0.00	10.29
60		1,2-dichloroethane	0.437	0.489	-11.9	131	0.00	10.37
61		trichloroethene	0.407	0.455	-11.8	130	0.00	11.09
62		ethyl acrylate		----------NA----------				
63		2-nitropropane	0.520	0.586	-12.7	139	0.00	11.94
64		2-chloroethyl vinyl ether	0.143	0.175	-22.4#	139	0.00	11.94
65		methyl methacrylate	0.258	0.292	-13.2	133	0.00	11.29
66		1,2-dichloropropane	0.375	0.435	-16.0	135	0.00	11.37
67		methylcyclohexane	0.671	0.767	-14.3	129	0.00	11.29
68		dibromomethane	0.236	0.264	-11.9	131	0.00	11.54
69		bromodichloromethane	0.498	0.562	-12.9	129	0.00	11.68
70		cis-1,3-dichloropropene	0.554	0.644	-16.2	133	0.00	12.15
71	S	toluene-d8 (s)	1.238	1.466	-18.4	143	0.00	12.42
72		4-methyl-2-pentanone	0.115	0.139	-20.9#	147	0.00	12.25
73		toluene	0.910	0.970	-6.6	130	0.00	12.49
74		3-methyl-1-butanol	0.010	0.012	-20.0	144	0.00	12.30
75		trans-1,3-dichloropropene	0.471	0.547	-16.1	132	0.00	12.72
76		ethyl methacrylate	0.351	0.404	-15.1	138	0.00	12.71
77		1,1,2-trichloroethane	0.255	0.294	-15.3	134	0.00	12.94
78		2-hexanone	0.105	0.128	-21.9#	155	0.00	13.12
79	I	chlorobenzene-d5	1.000	1.000	0.0	122	0.00	13.96
80		tetrachloroethene	0.464	0.522	-12.5	130	0.00	13.08
81		1,3-dichloropropane	0.470	0.553	-17.7	135	0.00	13.12
82		butyl acetate	0.194	0.223	-14.9	139	0.00	13.19
83		dibromochloromethane	0.430	0.482	-12.1	128	0.00	13.39
84		1,2-dibromoethane	0.336	0.393	-17.0	133	0.00	13.53
85		n-Butyl ether		----------NA----------				
86		chlorobenzene	1.127	1.269	-12.6	130	0.00	14.00
87		1,1,1,2-tetrachloroethane	0.462	0.523	-13.2	126	0.00	14.07
88		ethylbenzene	1.964	2.196	-11.8	131	0.00	14.05
89		m,p-xylene	0.770	0.843	-9.5	129	0.00	14.16
90		o-xylene	0.748	0.876	-17.1	129	0.00	14.60
91		styrene	1.141	1.366	-19.7	129	0.00	14.61
92		bromoform	0.314	0.358	-14.0	130	0.00	14.90
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	16.32
94		isopropylbenzene	3.160	3.730	-18.0	128	0.00	14.94

Continuing Calibration Summary

Job Number: JB67976 **Sample:** V3V479-CC474
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3V11300.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

95	S	4-bromofluorobenzene (s)	0.877	1.044	-19.0	142	0.00	15.17
96		bromobenzene	0.872	0.980	-12.4	127	0.00	15.36
97		cyclohexanone	0.123	0.141	-14.6	155	0.00	15.14
98		1,1,2,2-tetrachloroethane	0.816	0.978	-19.9	136	0.00	15.29
99		trans-1,4-dichloro-2-bute	0.182	0.217	-19.2	141	0.00	15.33
100		1,2,3-trichloropropane	0.176	0.205	-16.5	133	0.00	15.36
101		n-propylbenzene	3.811	4.490	-17.8	129	0.00	15.36
102		2-chlorotoluene	0.819	0.961	-17.3	126	0.00	15.51
103		4-chlorotoluene	2.362	2.706	-14.6	130	0.00	15.62
104		1,3,5-trimethylbenzene	2.740	3.257	-18.9	127	0.00	15.52
105		tert-butylbenzene	2.254	2.525	-12.0	125	0.00	15.86
106		pentachloroethane	0.587	0.646	-10.1	122	0.00	15.96
107		1,2,4-trimethylbenzene	2.898	3.302	-13.9	128	0.00	15.91
108		sec-butylbenzene	3.759	4.406	-17.2	126	0.00	16.07
109		1,3-dichlorobenzene	1.846	2.025	-9.7	126	0.00	16.27
110		p-isopropyltoluene	3.109	3.713	-19.4	126	0.00	16.19
111		1,4-dichlorobenzene	1.863	2.038	-9.4	126	0.00	16.35
112		1,2-dichlorobenzene	1.823	2.007	-10.1	127	0.00	16.73
113		n-butylbenzene	1.776	2.084	-17.3	129	0.00	16.60
114		1,2-dibromo-3-chloropropa	0.183	0.203	-10.9	138	0.00	17.48
115		1,3,5-TRICHLOROBENZENE	1.824	2.006	-10.0	123	0.00	17.63
116		1,2,4-trichlorobenzene	1.708	1.861	-9.0	122	0.00	18.21
117		hexachlorobutadiene	0.890	0.973	-9.3	119	0.00	18.30
118		naphthalene	3.405	3.833	-12.6	130	0.00	18.47
119		1,2,3-trichlorobenzene	1.597	1.766	-10.6	123	0.00	18.69
120		hexachloroethane	0.672	0.748	-11.3	125	0.00	16.96
121		Benzyl chloride	1.615	1.821	-12.8	130	0.00	16.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3V11190.D M3V474.M Tue Jun 03 17:04:47 2014 GCMS3V

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11316.D
Acq On : 30 May 2014 5:52 pm
Operator : thienn
Sample : jb67976-1
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 17:25:32 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

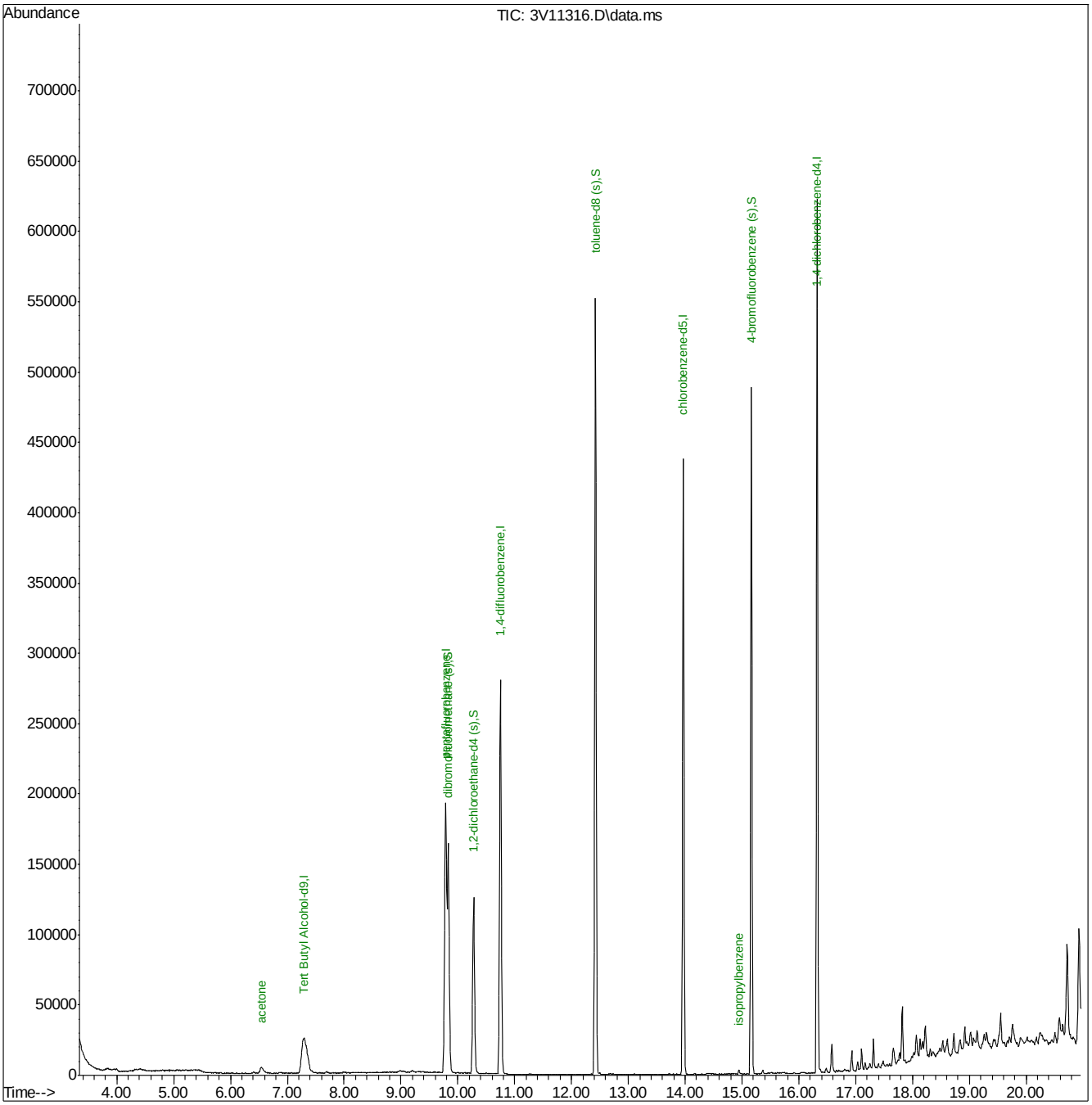
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	95066	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	182931	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	275848	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	255068	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	158844	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	123436	53.33	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 106.66%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	103386	51.02	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.04%			
71) toluene-d8 (s)	12.418	98	400656	58.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 117.30%			
95) 4-bromofluorobenzene (s)	15.165	95	165808	59.53	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.06%			
Target Compounds						Qvalue
17) acetone	6.545	43	12594	19.45	ug/L	95
94) isopropylbenzene	14.950	105	2371	0.24	ug/L	92

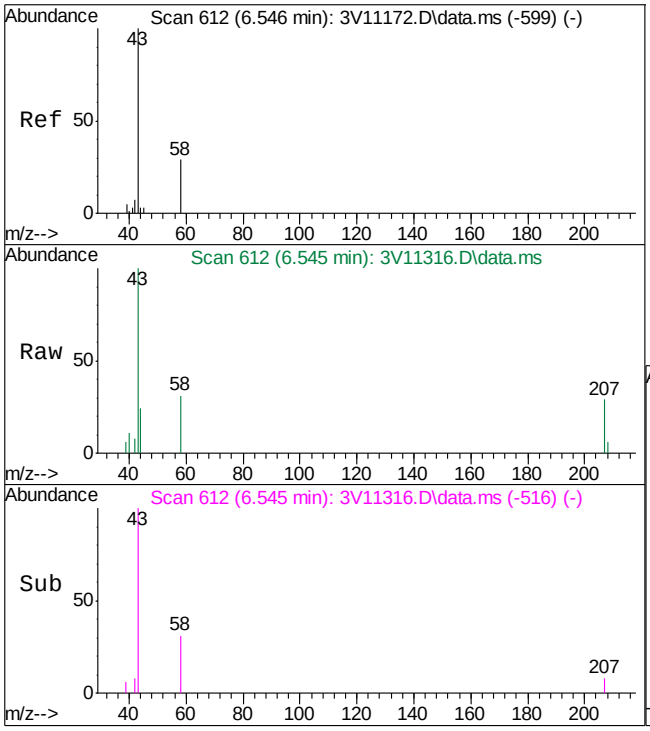
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11316.D
Acq On : 30 May 2014 5:52 pm
Operator : thienn
Sample : jb67976-1
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 17:25:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

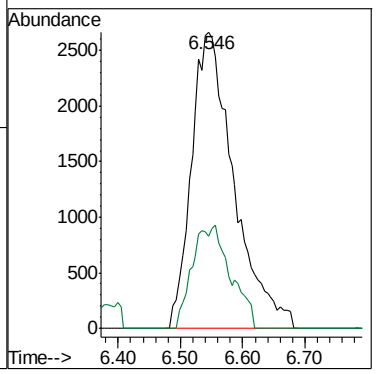


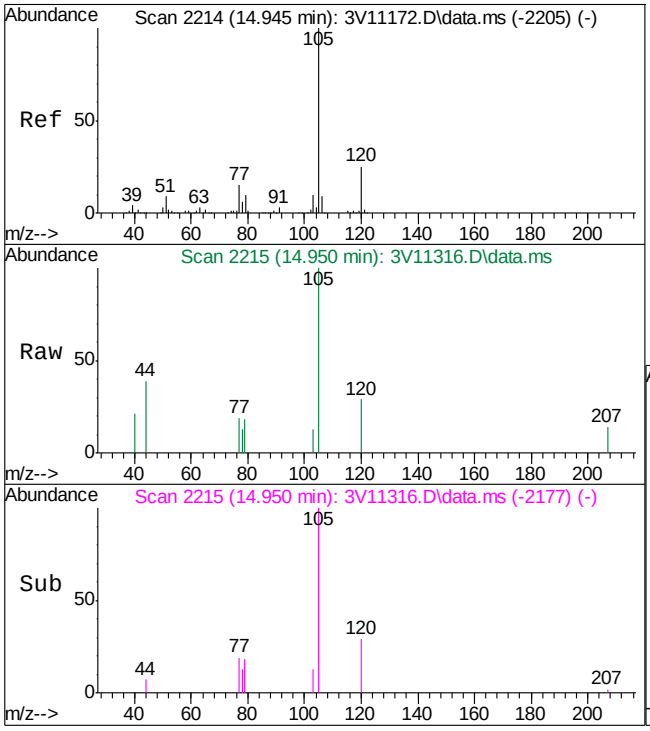


#17
acetone
Concen: 19.45 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11316.D
Acq: 30 May 2014 5:52 pm

Tgt Ion: 43 Resp: 12594

Ion	Ratio	Lower	Upper
43	100		
58	31.0	3.8	63.8

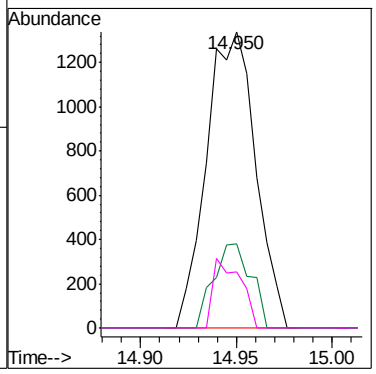




#94
isopropylbenzene
Concen: 0.24 ug/L
RT: 14.950 min Scan# 2215
Delta R.T. 0.000 min
Lab File: 3V11316.D
Acq: 30 May 2014 5:52 pm

Tgt Ion:105 Resp: 2371

Ion	Ratio	Lower	Upper
105	100		
120	28.6	0.0	55.7
77	19.1	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11317.D
Acq On : 30 May 2014 6:19 pm
Operator : thienn
Sample : jb67976-2
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 03 17:26:32 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

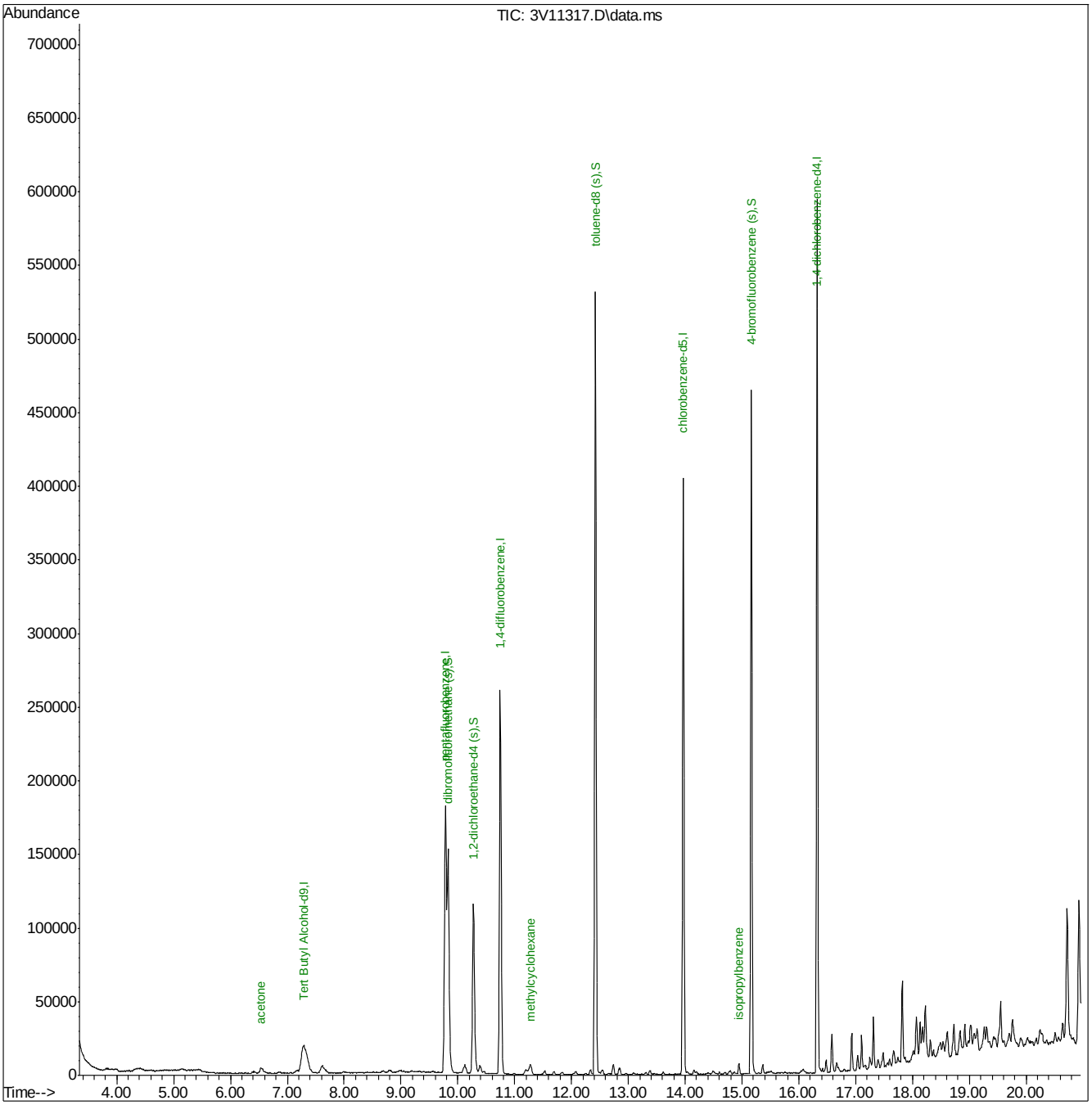
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	73411	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	175621	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	259636	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	239604	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	151555	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	113693	51.16	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 102.32%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	95166	48.91	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 97.82%			
71) toluene-d8 (s)	12.418	98	380741	59.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.42%			
95) 4-bromofluorobenzene (s)	15.165	95	155795	58.63	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.26%			
Target Compounds						Qvalue
17) acetone	6.535	43	11064	17.80	ug/L	92
67) methylcyclohexane	11.285	83	3525	1.01	ug/L	98
94) isopropylbenzene	14.950	105	5315	0.55	ug/L	97

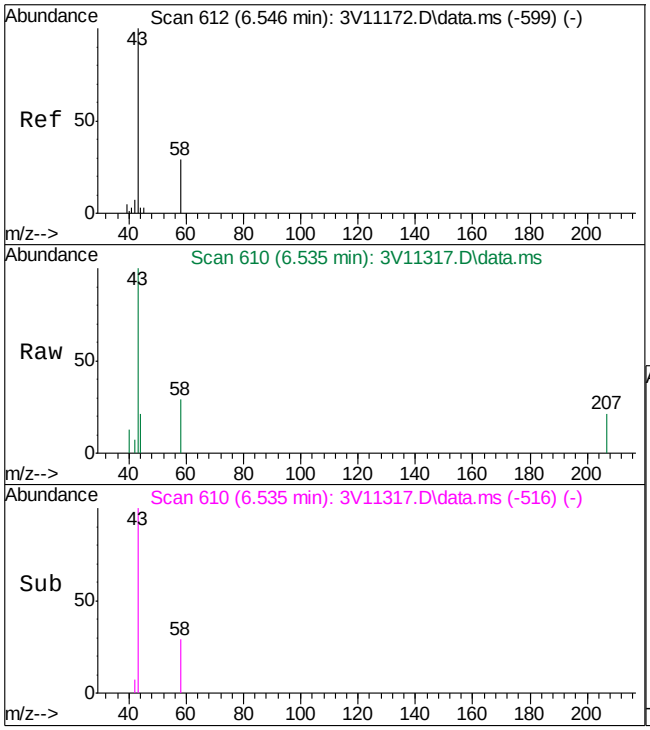
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11317.D
Acq On : 30 May 2014 6:19 pm
Operator : thienn
Sample : jb67976-2
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 03 17:26:32 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

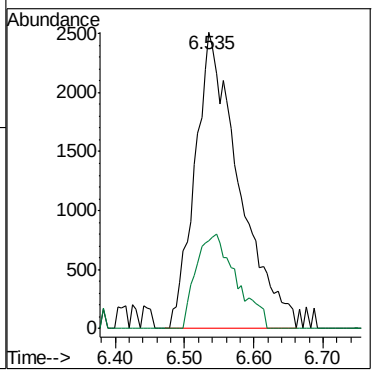


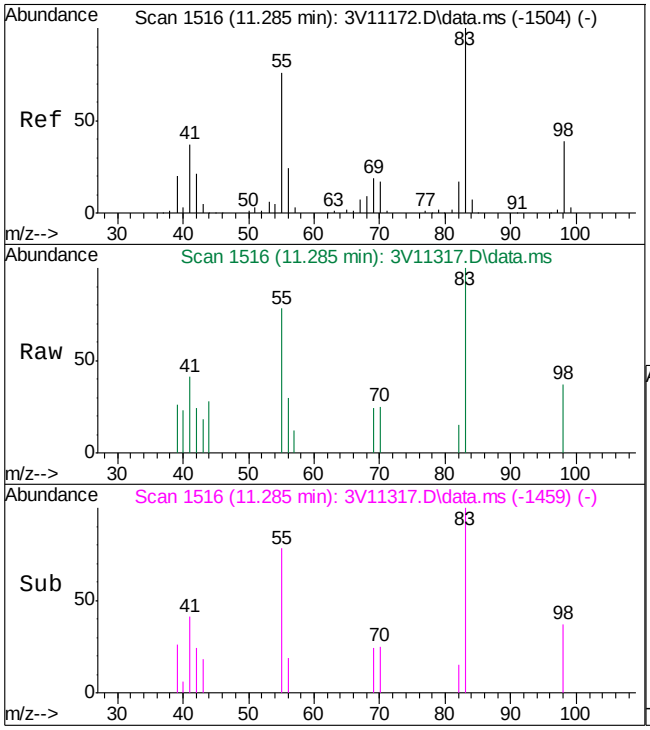


#17
acetone
Concen: 17.80 ug/L
RT: 6.535 min Scan# 610
Delta R.T. -0.005 min
Lab File: 3V11317.D
Acq: 30 May 2014 6:19 pm

Tgt Ion: 43 Resp: 11064

Ion	Ratio	Lower	Upper
43	100		
58	29.4	3.8	63.8

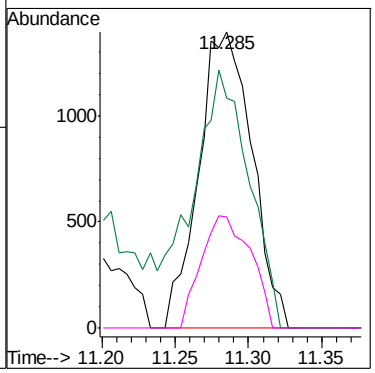


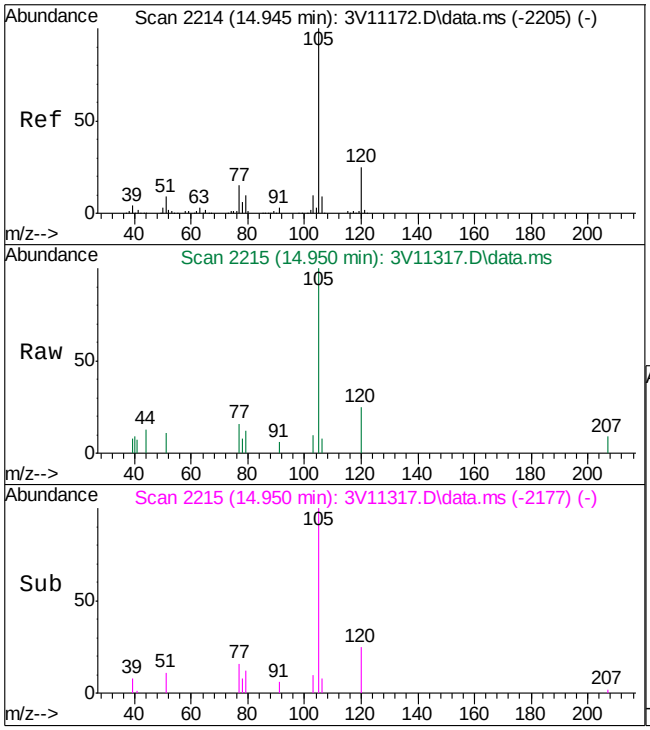


#67
methylcyclohexane
Concen: 1.01 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11317.D
Acq: 30 May 2014 6:19 pm

Tgt Ion: 83 Resp: 3525

Ion	Ratio	Lower	Upper
83	100		
55	77.6	46.1	106.1
98	37.3	8.8	68.8

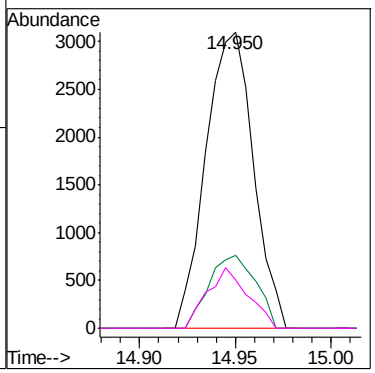




#94
isopropylbenzene
Concen: 0.55 ug/L
RT: 14.950 min Scan# 2215
Delta R.T. 0.000 min
Lab File: 3V11317.D
Acq: 30 May 2014 6:19 pm

Tgt Ion:105 Resp: 5315

Ion	Ratio	Lower	Upper
105	100		
120	24.7	0.0	55.7
77	16.3	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11314.D
Acq On : 30 May 2014 4:59 pm
Operator : thienn
Sample : jb67976-3
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 17:23:52 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

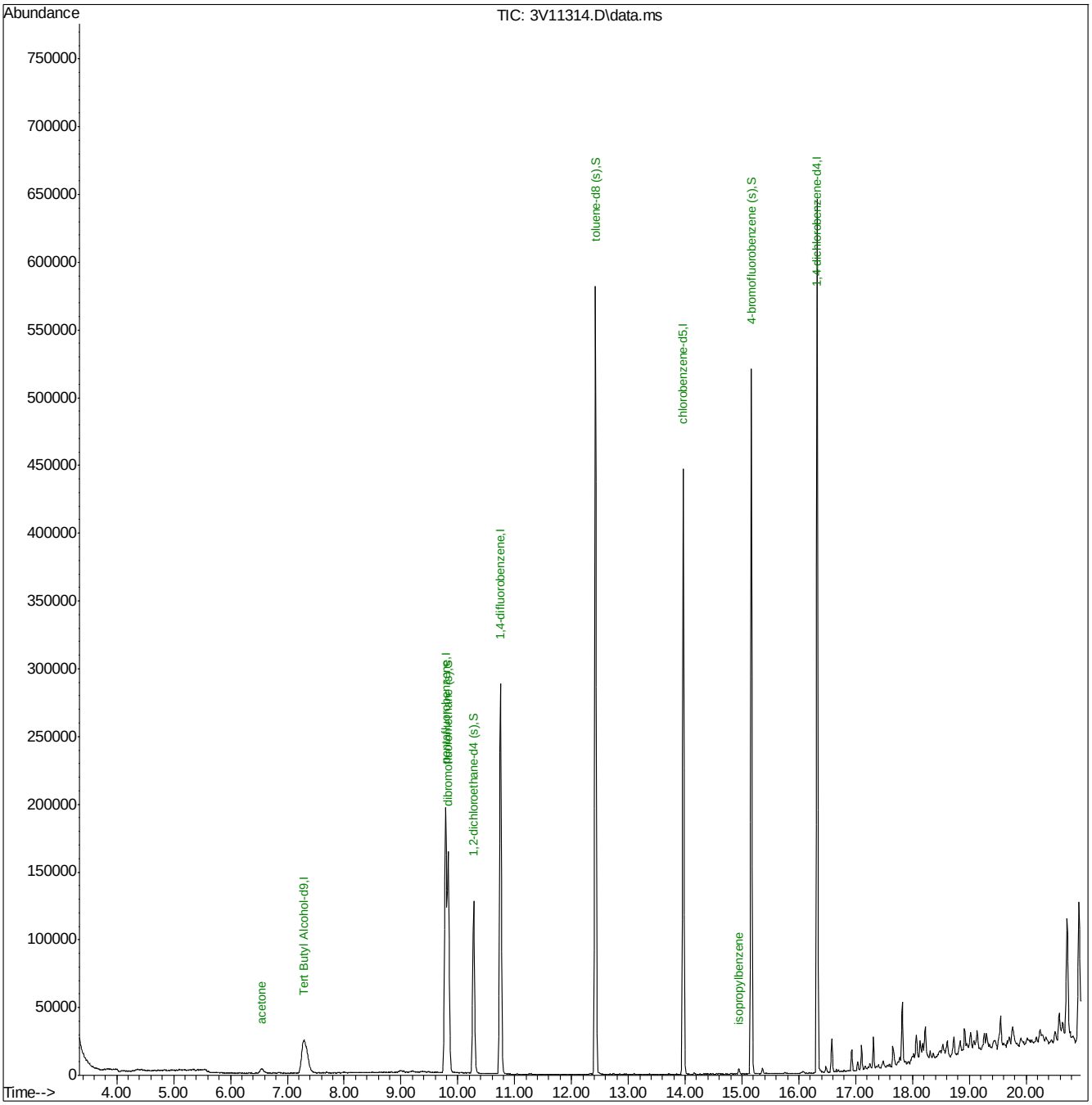
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	97016	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	189745	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	286792	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	267204	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	164963	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	125785	52.39	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.78%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	105882	50.37	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.74%			
71) toluene-d8 (s)	12.418	98	420503	59.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.40%			
95) 4-bromofluorobenzene (s)	15.165	95	174165	60.21	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 120.42%			
Target Compounds						Qvalue
17) acetone	6.551	43	10627	15.82	ug/L	95
94) isopropylbenzene	14.945	105	2986	0.29	ug/L	97

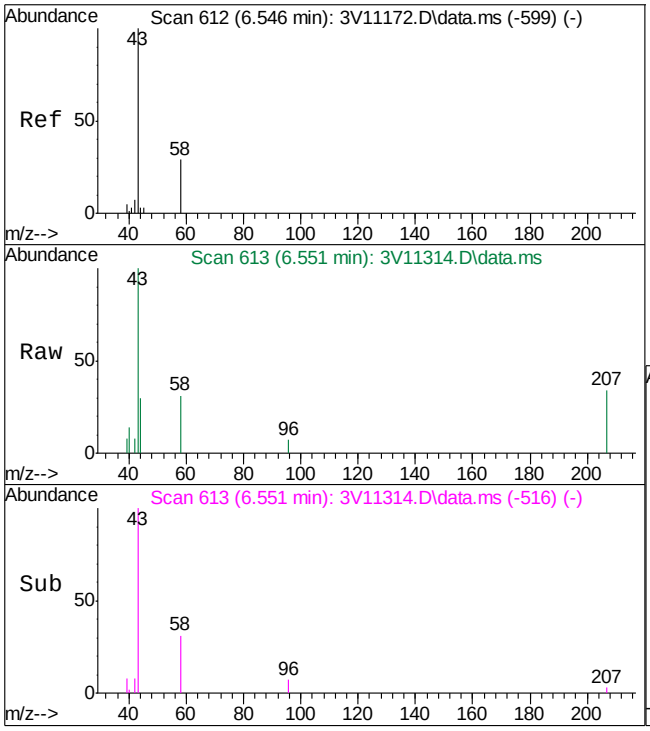
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11314.D
Acq On : 30 May 2014 4:59 pm
Operator : thienn
Sample : jb67976-3
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 17:23:52 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

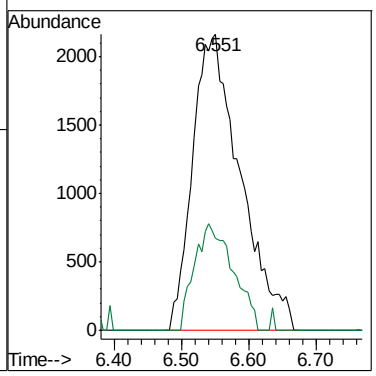


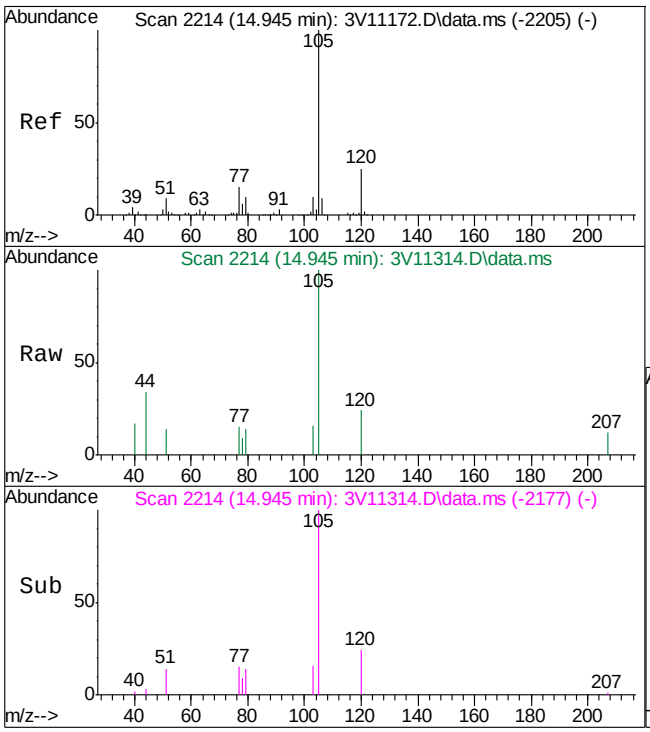


#17
acetone
Concen: 15.82 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11314.D
Acq: 30 May 2014 4:59 pm

Tgt Ion: 43 Resp: 10627

Ion	Ratio	Lower	Upper
43	100		
58	31.0	3.8	63.8

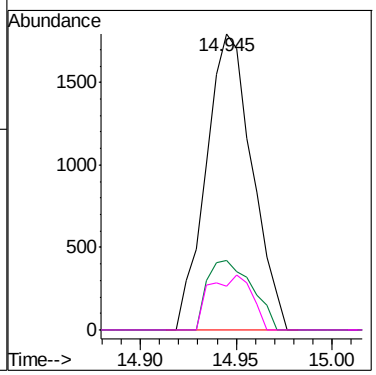




#94
isopropylbenzene
Concen: 0.29 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11314.D
Acq: 30 May 2014 4:59 pm

Tgt Ion:105 Resp: 2986

Ion	Ratio	Lower	Upper
105	100		
120	23.7	0.0	55.7
77	14.7	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11313.D
Acq On : 30 May 2014 4:33 pm
Operator : thienn
Sample : jb67976-4
Misc : MS68313,V3V479,6.5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 03 17:23:02 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

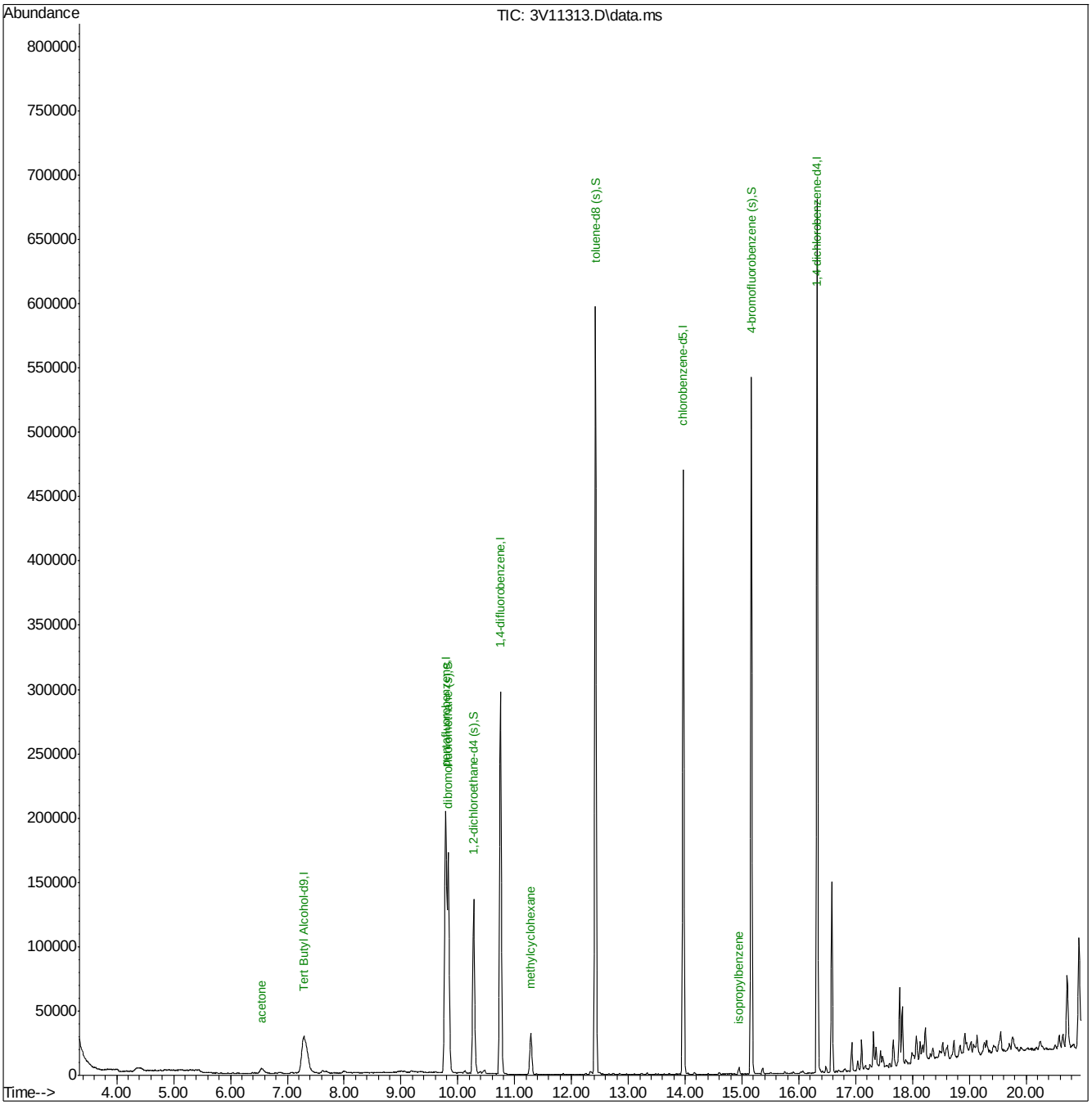
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	108189	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	198043	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	297188	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	276690	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	172653	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	131746	52.57	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.14%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	110941	50.57	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 101.14%			
71) toluene-d8 (s)	12.418	98	433532	58.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 117.80%			
95) 4-bromofluorobenzene (s)	15.165	95	182554	60.30	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 120.60%			
Target Compounds						Qvalue
17) acetone	6.546	43	12923	18.44	ug/L	99
67) methylcyclohexane	11.285	83	17131	4.30	ug/L	93
94) isopropylbenzene	14.945	105	4080	0.37	ug/L	96

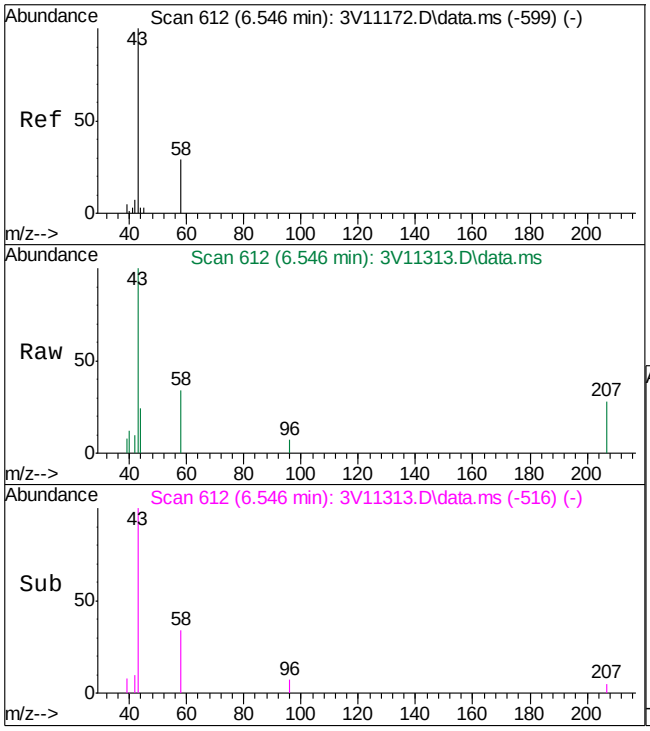
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11313.D
Acq On : 30 May 2014 4:33 pm
Operator : thienn
Sample : jb67976-4
Misc : MS68313,V3V479,6.5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 03 17:23:02 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

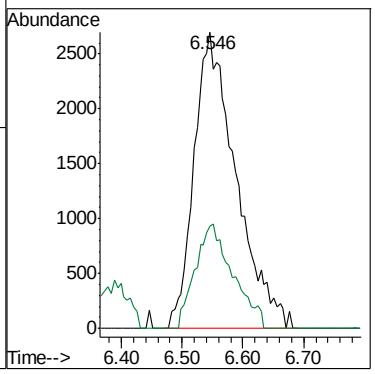


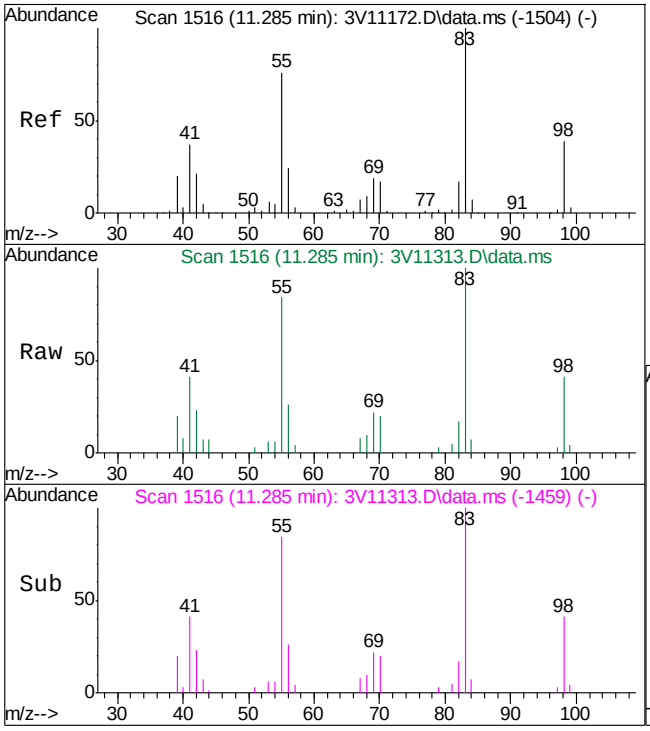


#17
acetone
Concen: 18.44 ug/L
RT: 6.546 min Scan# 612
Delta R.T. 0.006 min
Lab File: 3V11313.D
Acq: 30 May 2014 4:33 pm

Tgt Ion: 43 Resp: 12923

Ion	Ratio	Lower	Upper
43	100		
58	34.5	3.8	63.8

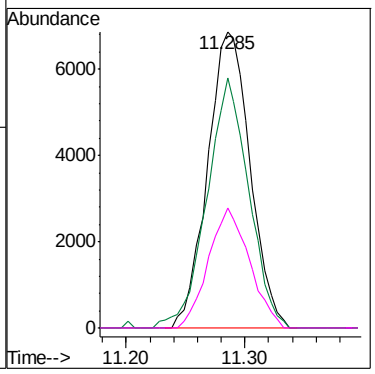


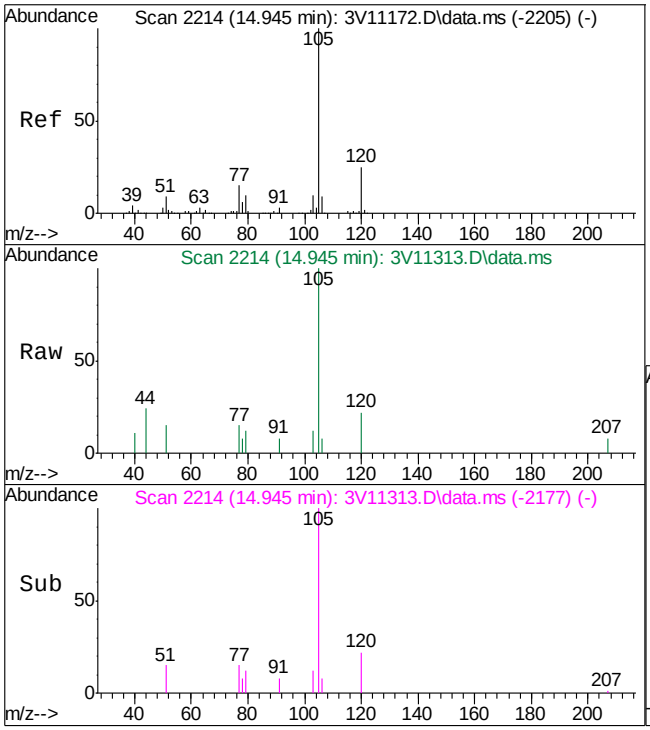


#67
methylcyclohexane
Concen: 4.30 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11313.D
Acq: 30 May 2014 4:33 pm

Tgt Ion: 83 Resp: 17131

Ion	Ratio	Lower	Upper
83	100		
55	84.5	46.1	106.1
98	40.6	8.8	68.8

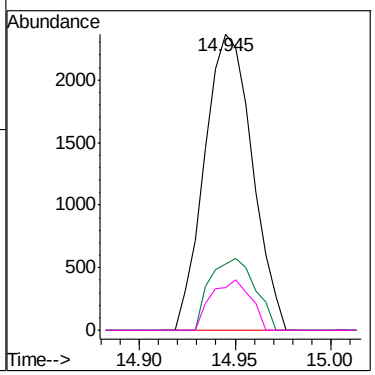




#94
isopropylbenzene
Concen: 0.37 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11313.D
Acq: 30 May 2014 4:33 pm

Tgt Ion:105 Resp: 4080

Ion	Ratio	Lower	Upper
105	100		
120	22.5	0.0	55.7
77	14.6	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11312.D
Acq On : 30 May 2014 4:06 pm
Operator : thienn
Sample : jb67976-5
Misc : MS68313,V3V479,6.2,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 17:31:08 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

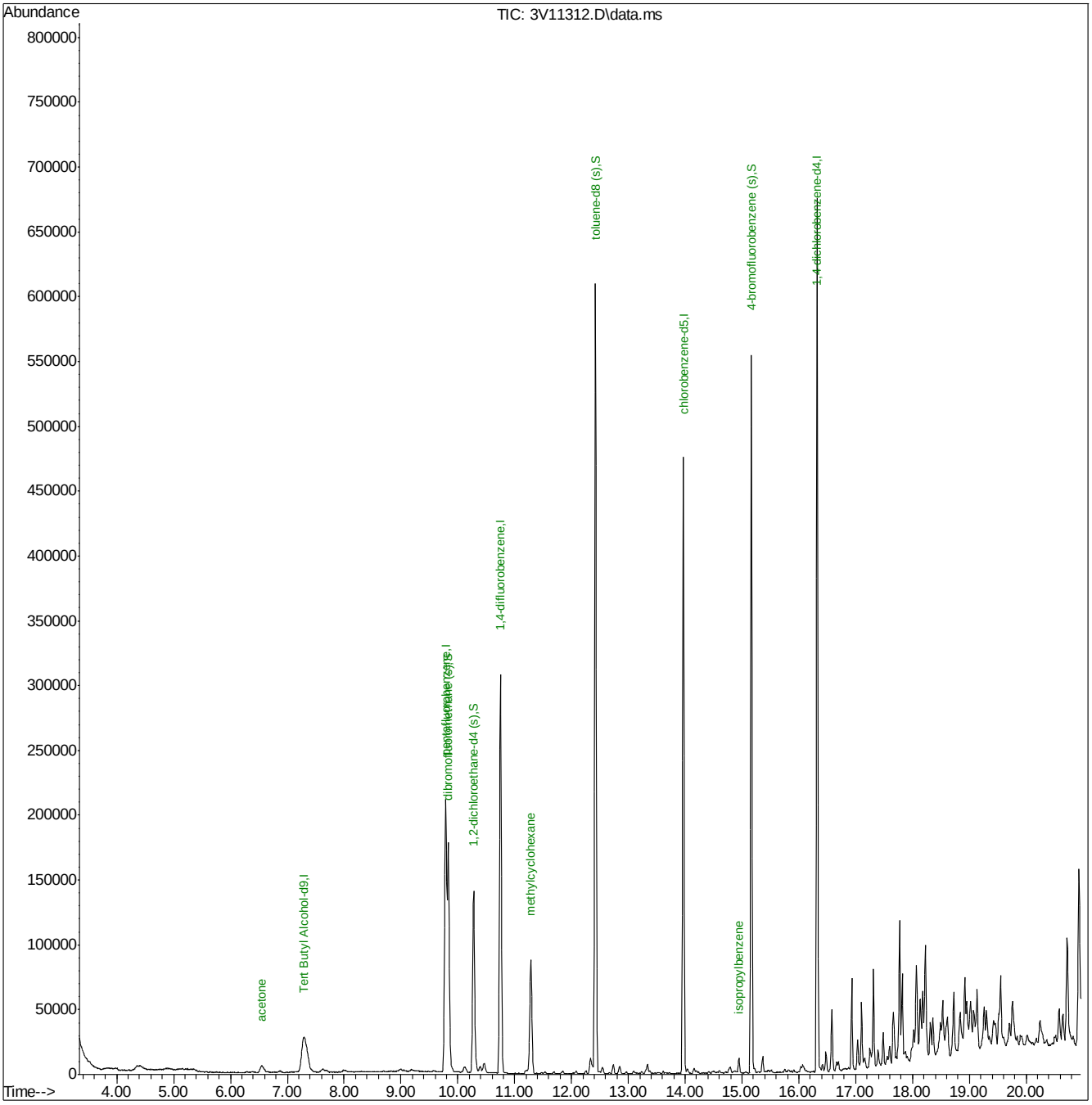
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	104199	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	204918	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	305286	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	282420	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	173507	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	136367	52.59	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.18%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	113144	49.84	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 99.68%			
71) toluene-d8 (s)	12.418	98	446790	59.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.18%			
95) 4-bromofluorobenzene (s)	15.165	95	185220	60.88	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 121.76%			
Target Compounds						Qvalue
17) acetone	6.551	43	16713	23.04	ug/L	99
67) methylcyclohexane	11.285	83	47958	11.71	ug/L	97
94) isopropylbenzene	14.945	105	9082	0.83	ug/L	94

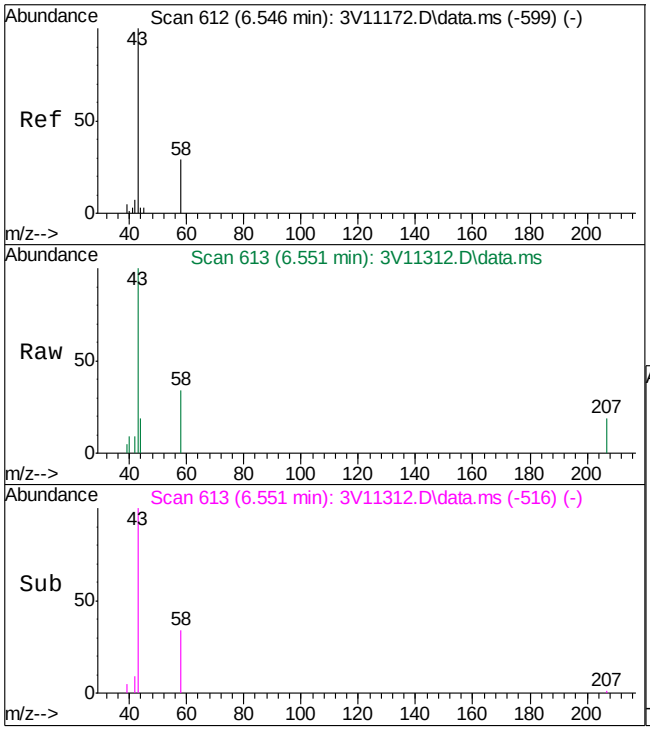
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11312.D
Acq On : 30 May 2014 4:06 pm
Operator : thienn
Sample : jb67976-5
Misc : MS68313,V3V479,6.2,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 17:31:08 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

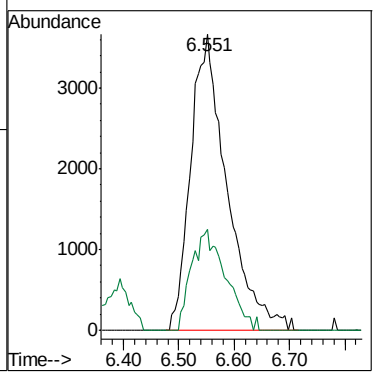


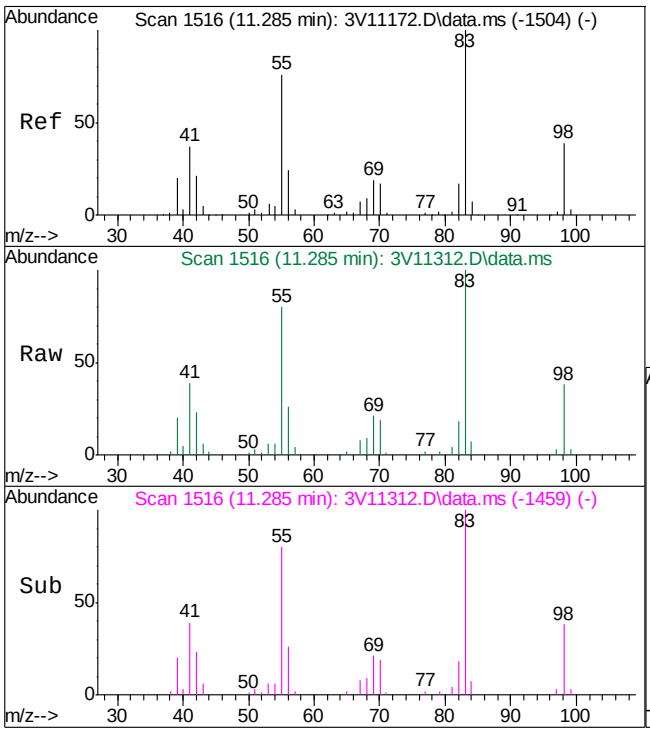


#17
acetone
Concen: 23.04 ug/L
RT: 6.551 min Scan# 613
Delta R.T. 0.011 min
Lab File: 3V11312.D
Acq: 30 May 2014 4:06 pm

Tgt Ion: 43 Resp: 16713

Ion	Ratio	Lower	Upper
43	100		
58	34.3	3.8	63.8

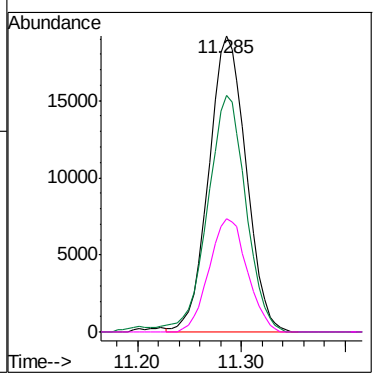


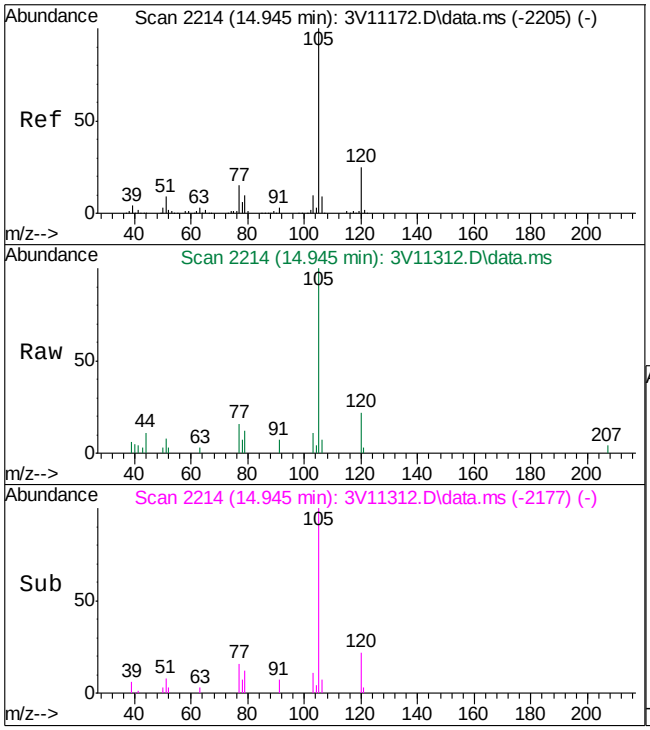


#67
methylcyclohexane
Concen: 11.71 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11312.D
Acq: 30 May 2014 4:06 pm

Tgt Ion: 83 Resp: 47958

Ion	Ratio	Lower	Upper
83	100		
55	79.9	46.1	106.1
98	38.1	8.8	68.8

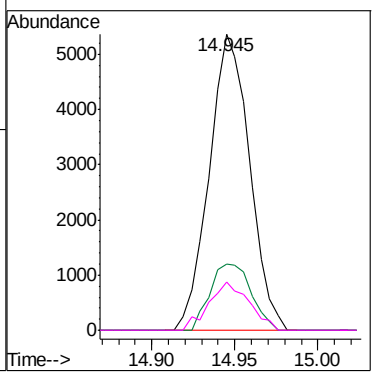




#94
isopropylbenzene
Concen: 0.83 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11312.D
Acq: 30 May 2014 4:06 pm

Tgt Ion:105 Resp: 9082

Ion	Ratio	Lower	Upper
105	100		
120	22.3	0.0	55.7
77	16.1	0.0	44.5



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119923.D Vial: 8
Acq On : 6 Jun 2014 1:06 pm Operator: payalr
Sample : jb67976-6 Inst : MS2B
Misc : MS68314,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 13:31:37 2014 Quant Results File: M2B5440.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	149505	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	291220	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	300916	50.00	ug/L	0.00
90) chlorobenzene-d5	14.72	117	241852	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	142535	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	117229	51.32	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.64%			
52) 1,2-dichloroethane-d4 (s)	11.27	65	109595	50.69	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.38%			
82) toluene-d8 (s)	13.32	98	321106	52.54	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 105.08%			
108) 4-bromofluorobenzene (s)	15.79	95	107368	49.61	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 99.22%			

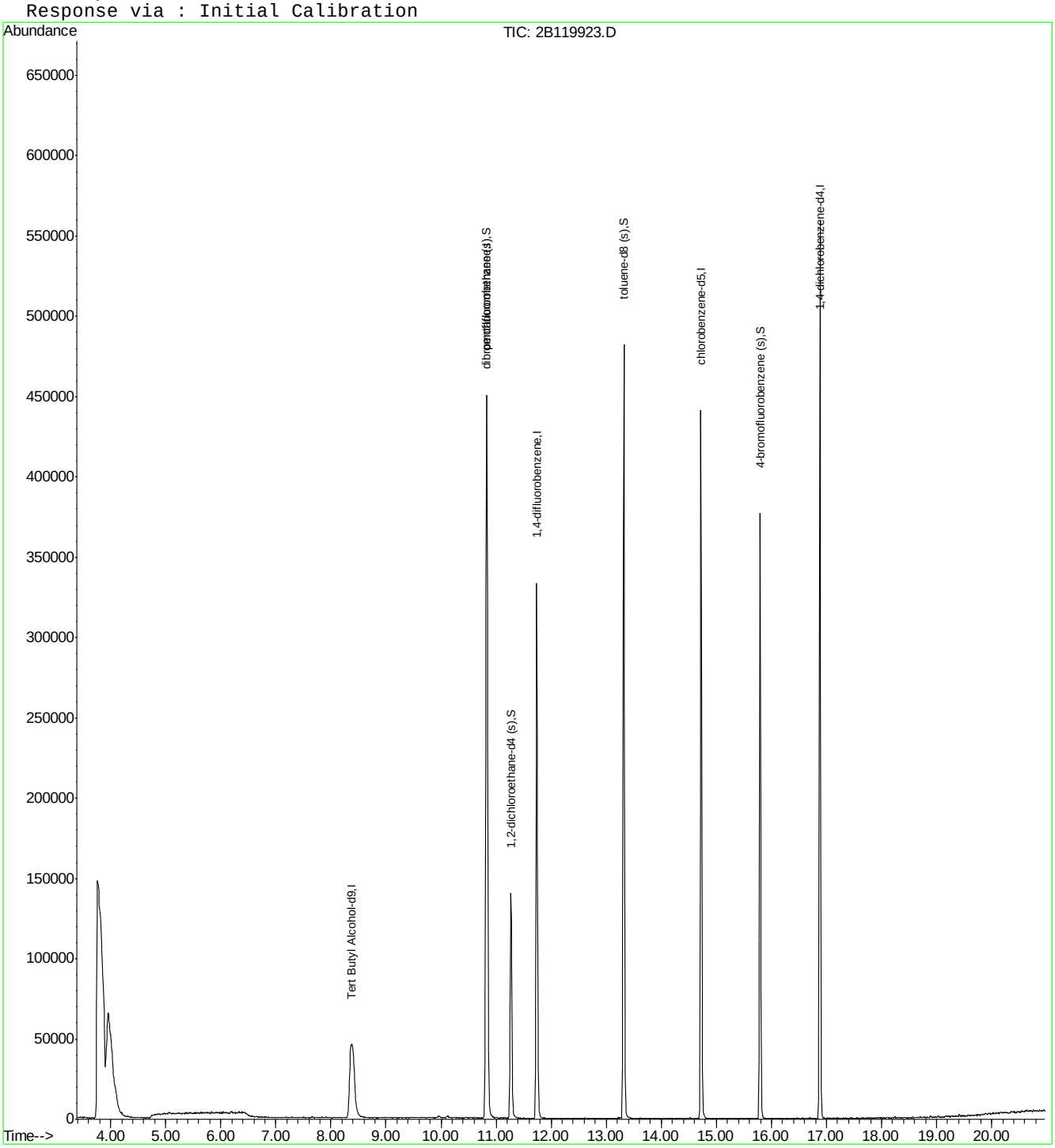
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2B119923.D M2B5440.M Fri Jun 06 15:57:07 2014 MS2B Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119923.D Vial: 8
Acq On : 6 Jun 2014 1:06 pm Operator: payalr
Sample : jb67976-6 Inst : MS2B
Misc : MS68314,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 15:56 2014 Quant Results File: M2B5440.RES

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1C core\v1c5750-5751\
Data File : 1C128960.D
Acq On : 5 Jun 2014 5:49 pm
Operator : mariceld
Sample : jb67976-7
Misc : MS68314,V1C5750,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 06 08:52:55 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

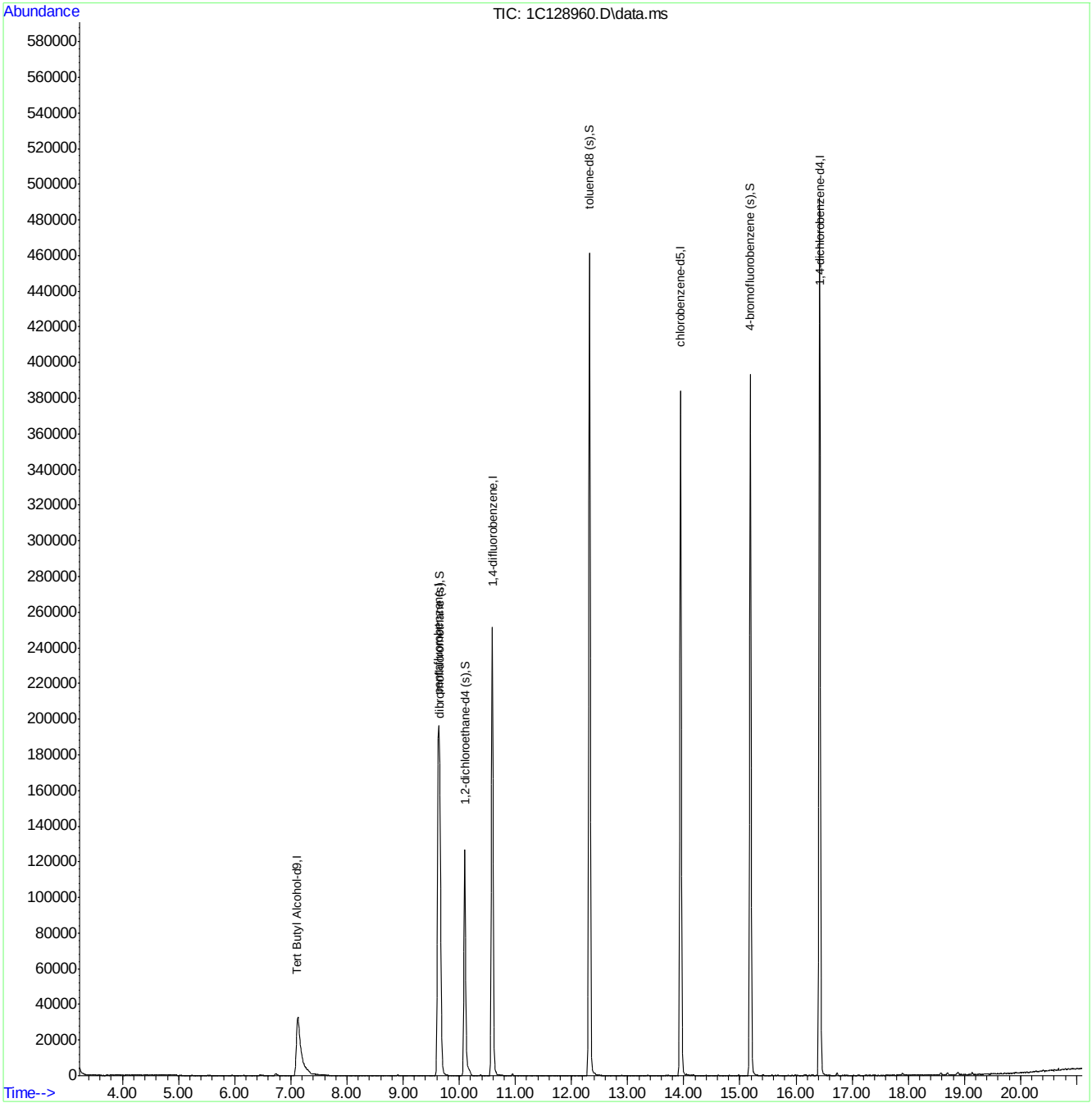
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.116	65	119285	500.00	ug/L	-0.01
4) pentafluorobenzene	9.626	168	170738	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.589	114	256524	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	241447	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	16.420	152	146538	50.00	ug/L	0.00
System Monitoring Compounds						
52) dibromofluoromethane (s)	9.653	113	98025	48.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 97.76%			
53) 1,2-dichloroethane-d4 (s)	10.097	65	106980	46.03	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 92.06%			
80) toluene-d8 (s)	12.320	98	358323	49.86	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 99.72%			
105) 4-bromofluorobenzene (s)	15.186	95	138627	48.06	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 96.12%			
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 : 1C128960.D
Acq On : 5 Jun 2014 5:49 pm
Operator : mariceld
Sample : jb67976-7
Misc : MS68314,V1C5750,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 06 08:52:55 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 : 3V11311.D
Acq On : 30 May 2014 3:39 pm
Operator : thienn
Sample : jb67976-8
Misc : MS68313,V3V479,7,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 17:20:25 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

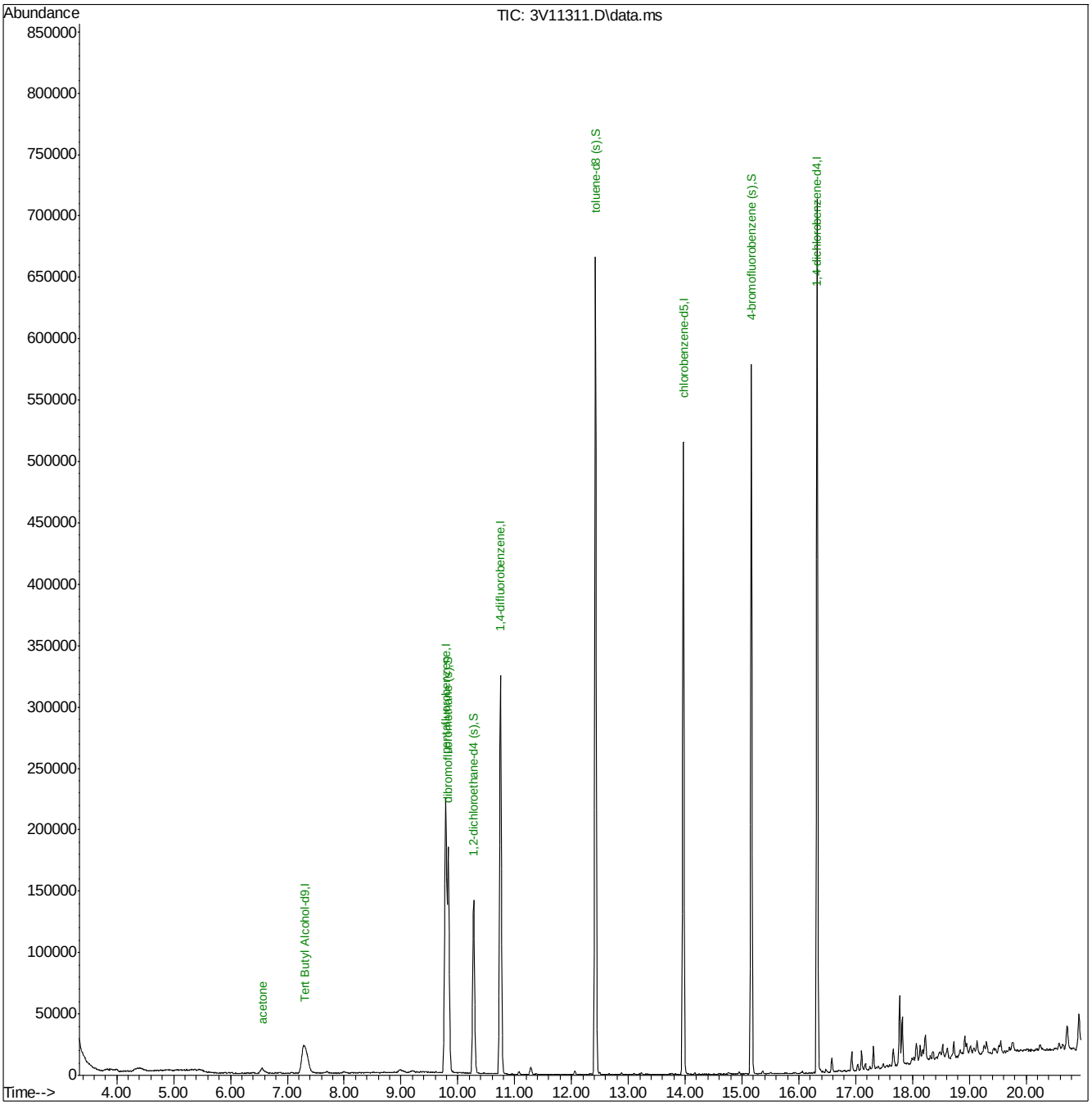
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.311	65	89749	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	217316	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	326302	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	304053	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	184523	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	141998	51.64	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 103.28%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	115316	47.90	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 95.80%			
71) toluene-d8 (s)	12.418	98	478846	59.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.50%			
95) 4-bromofluorobenzene (s)	15.165	95	194422	60.09	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 120.18%			
Target Compounds						Qvalue
17) acetone	6.556	43	12240	15.91	ug/L	99

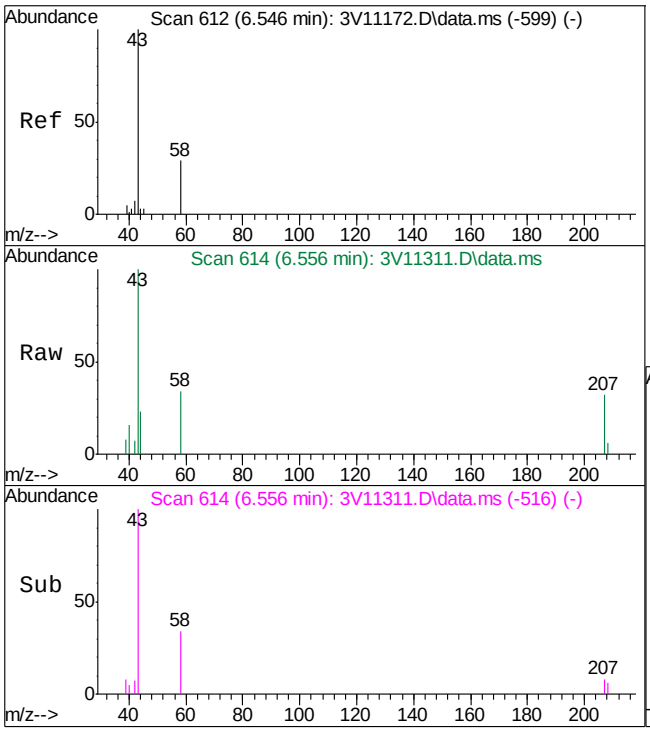
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11311.D
Acq On : 30 May 2014 3:39 pm
Operator : thienn
Sample : jb67976-8
Misc : MS68313,V3V479,7,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 17:20:25 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

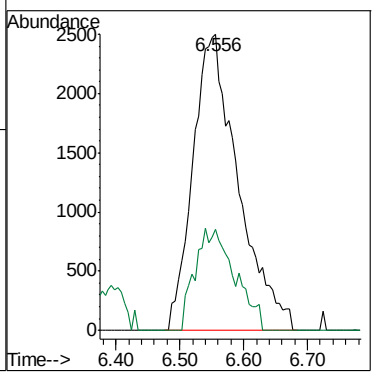




#17
acetone
Concen: 15.91 ug/L
RT: 6.556 min Scan# 614
Delta R.T. 0.016 min
Lab File: 3V11311.D
Acq: 30 May 2014 3:39 pm

Tgt Ion: 43 Resp: 12240

Ion	Ratio	Lower	Upper
43	100		
58	34.3	3.8	63.8



7.1.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11318.D
Acq On : 30 May 2014 6:46 pm
Operator : thienn
Sample : jb67976-9
Misc : MS68313,V3V479,5.5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 03 17:27:26 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

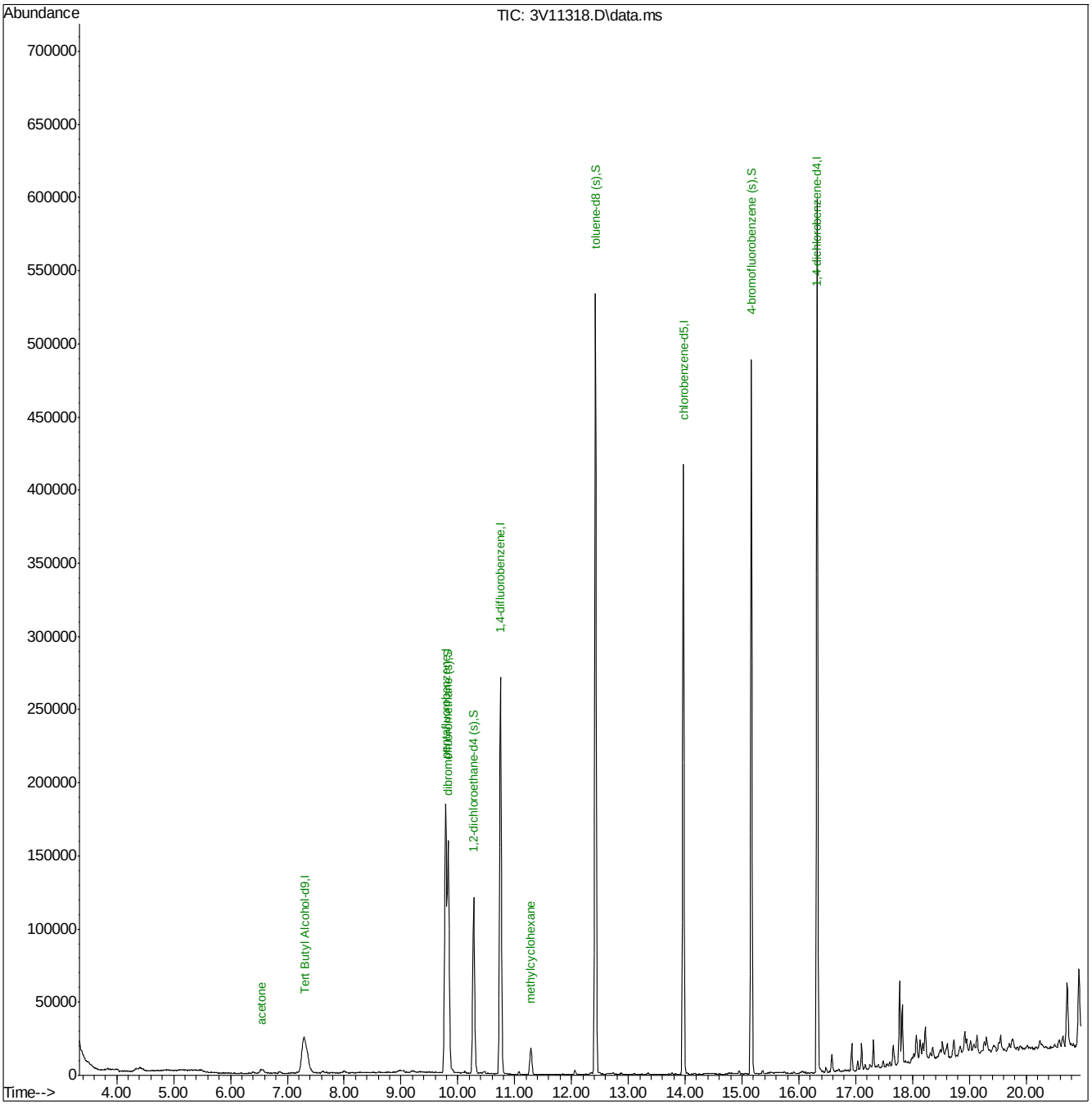
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.300	65	91711	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	177217	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	267007	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	246576	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	156779	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	118797	52.98	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.96%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	100169	51.02	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.04%			
71) toluene-d8 (s)	12.418	98	391160	59.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.30%			
95) 4-bromofluorobenzene (s)	15.165	95	162360	59.06	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 118.12%			
Target Compounds						Qvalue
17) acetone	6.540	43	9093	14.50	ug/L	94
67) methylcyclohexane	11.285	83	10131	2.83	ug/L	98

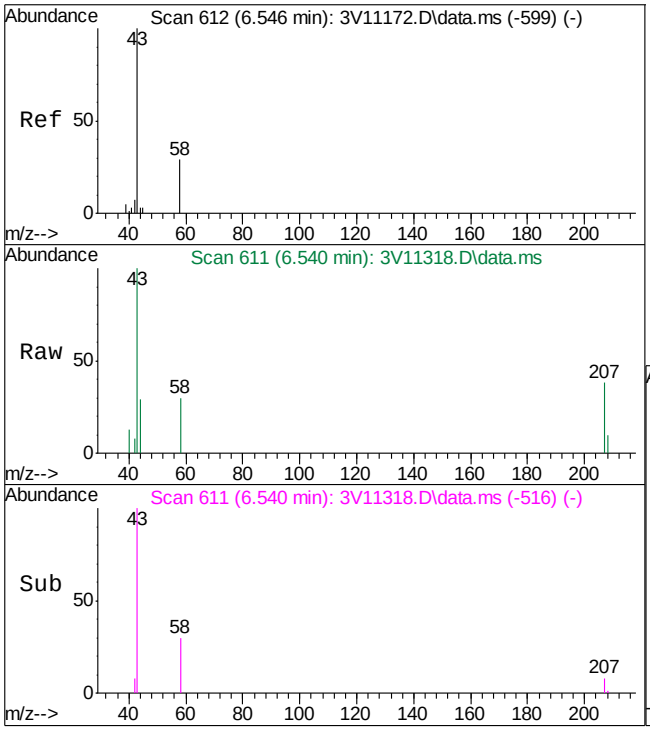
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11318.D
Acq On : 30 May 2014 6:46 pm
Operator : thienn
Sample : jb67976-9
Misc : MS68313,V3V479,5.5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 03 17:27:26 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

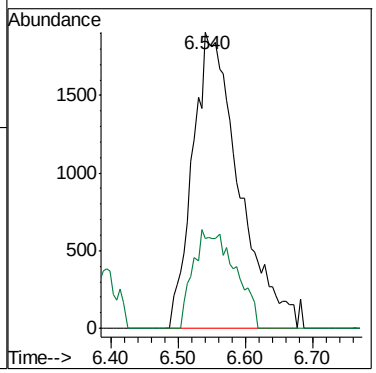


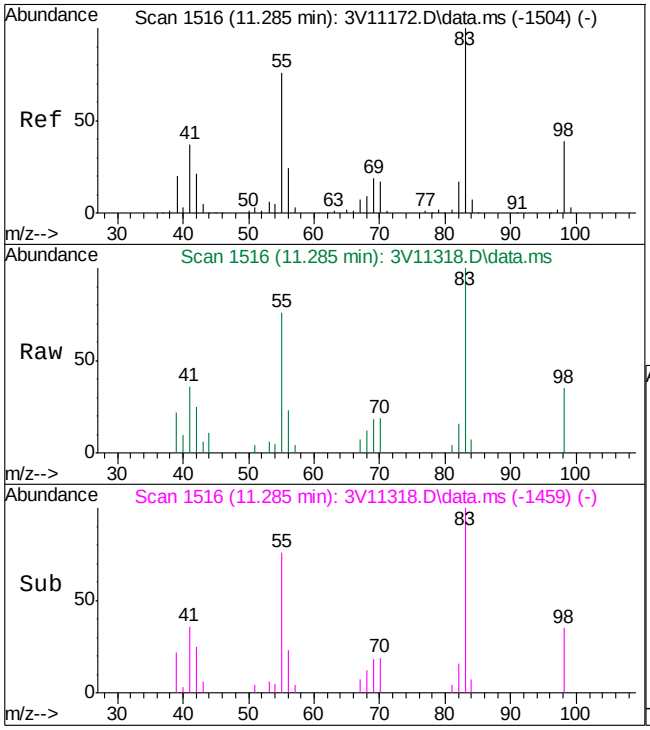


#17
acetone
Concen: 14.50 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11318.D
Acq: 30 May 2014 6:46 pm

Tgt Ion: 43 Resp: 9093

Ion	Ratio	Lower	Upper
43	100		
58	30.3	3.8	63.8

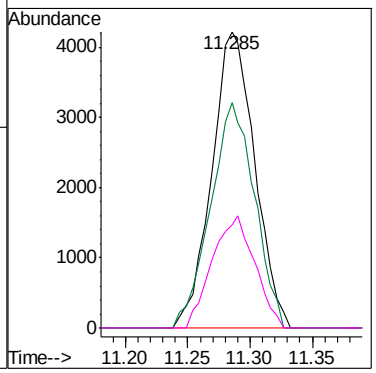




#67
methylcyclohexane
Concen: 2.83 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11318.D
Acq: 30 May 2014 6:46 pm

Tgt Ion: 83 Resp: 10131

Ion	Ratio	Lower	Upper
83	100		
55	76.2	46.1	106.1
98	35.1	8.8	68.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11315.D
Acq On : 30 May 2014 5:26 pm
Operator : thienn
Sample : jb67976-10
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 17:24:45 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

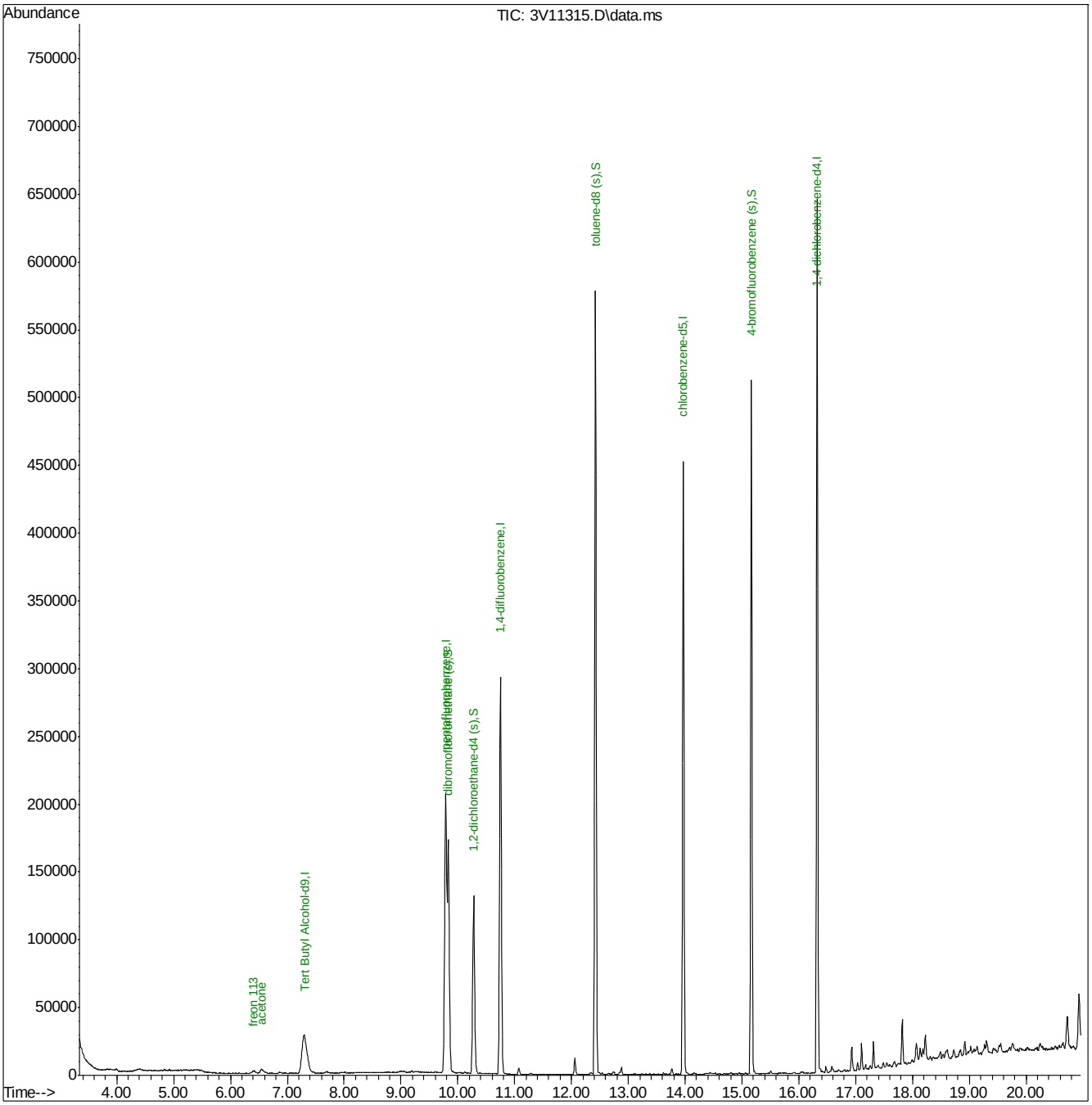
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.300	65	93724	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	198981	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	295003	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	267083	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	165025	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	132041	52.44	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.88%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	109086	49.49	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 98.98%			
71) toluene-d8 (s)	12.418	98	422277	57.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.60%			
95) 4-bromofluorobenzene (s)	15.165	95	173247	59.87	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.74%			
Target Compounds						Qvalue
17) acetone	6.545	43	8825	12.53	ug/L	93
45) freon 113	6.409	151	1529	0.64	ug/L	87

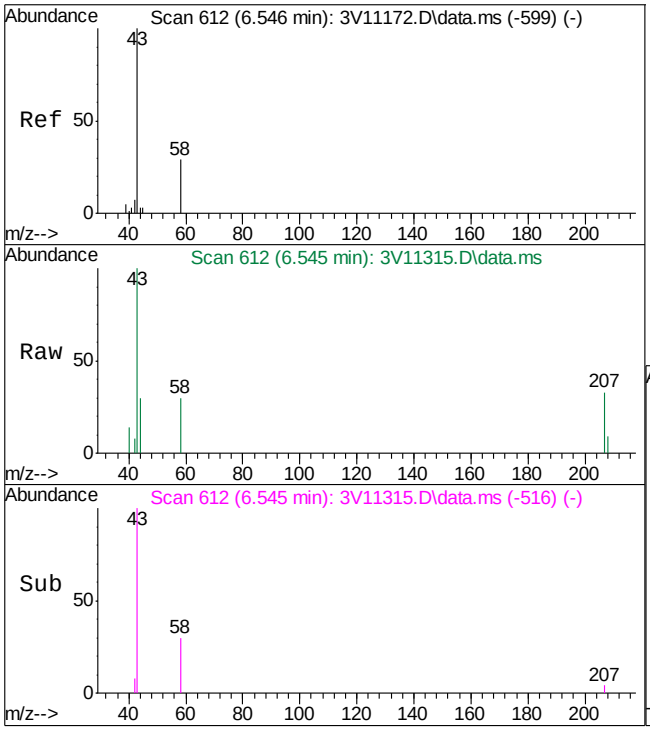
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11315.D
Acq On : 30 May 2014 5:26 pm
Operator : thienn
Sample : jb67976-10
Misc : MS68313,V3V479,6.6,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 17:24:45 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

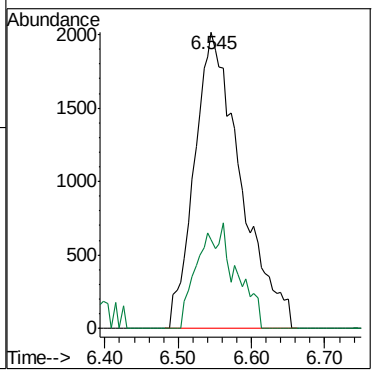


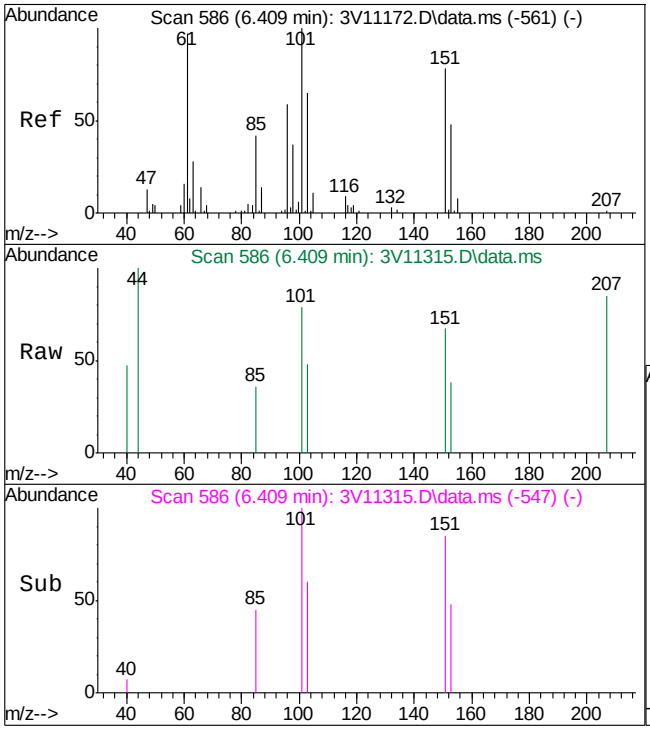


#17
acetone
Concen: 12.53 ug/L
RT: 6.545 min Scan# 612
Delta R.T. 0.005 min
Lab File: 3V11315.D
Acq: 30 May 2014 5:26 pm

Tgt Ion: 43 Resp: 8825

Ion	Ratio	Lower	Upper
43	100		
58	29.9	3.8	63.8

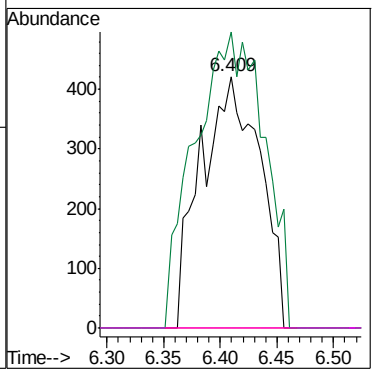




#45
freon 113
Concen: 0.64 ug/L
RT: 6.409 min Scan# 586
Delta R.T. 0.005 min
Lab File: 3V11315.D
Acq: 30 May 2014 5:26 pm

Tgt Ion:151 Resp: 1529

Ion	Ratio	Lower	Upper
151	100		
101	117.8	100.9	160.9
116	0.0	0.0	41.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11319.D
Acq On : 30 May 2014 7:13 pm
Operator : thienn
Sample : jb67976-11
Misc : MS68313,V3V479,6.8,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 03 17:28:23 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

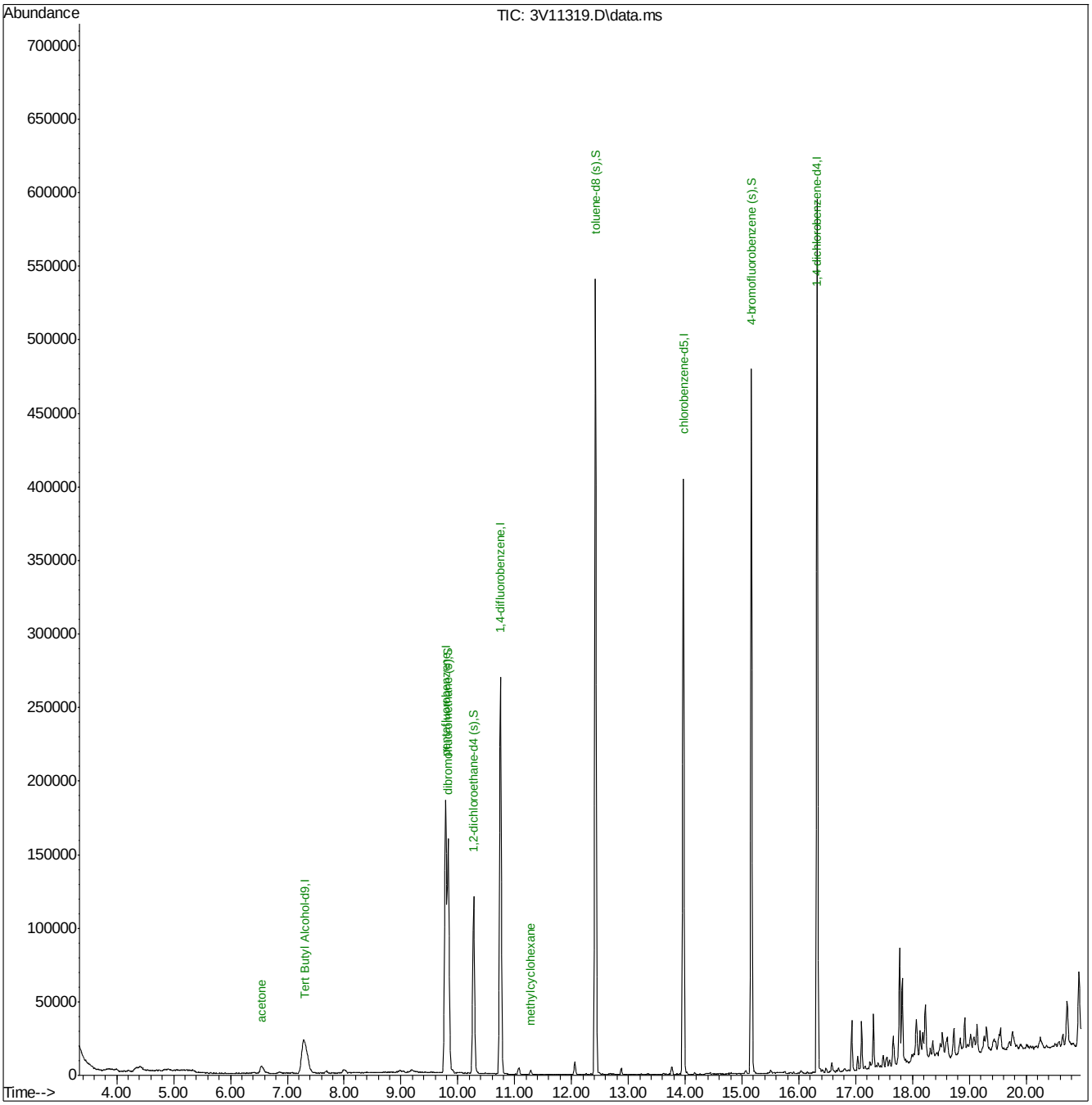
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.311	65	85723	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	178593	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	269067	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	244771	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	152012	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	120464	53.31	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 106.62%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	99480	50.28	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.56%			
71) toluene-d8 (s)	12.418	98	385439	57.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 115.68%			
95) 4-bromofluorobenzene (s)	15.165	95	158716	59.55	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.10%			
Target Compounds						Qvalue
17) acetone	6.540	43	14955	23.66	ug/L	99
67) methylcyclohexane	11.285	83	1531	0.42	ug/L	95

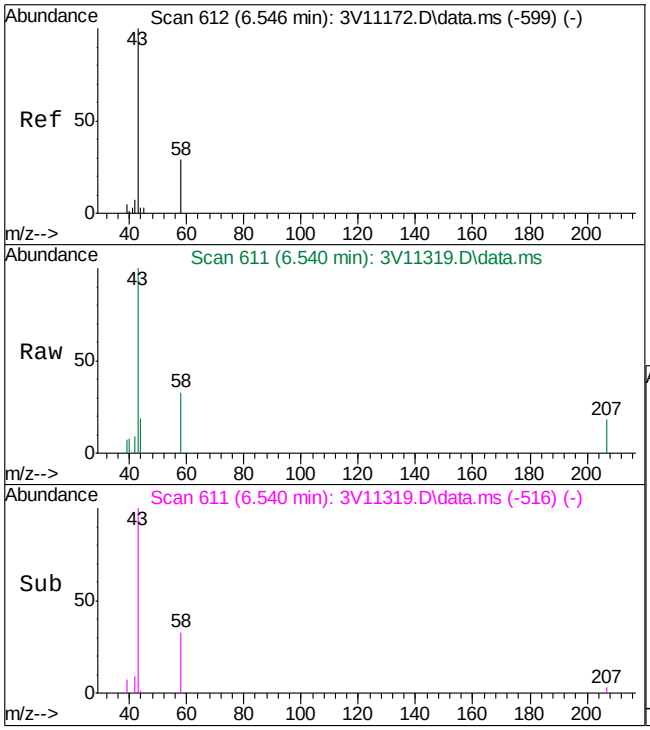
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11319.D
Acq On : 30 May 2014 7:13 pm
Operator : thienn
Sample : jb67976-11
Misc : MS68313,V3V479,6.8,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 03 17:28:23 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

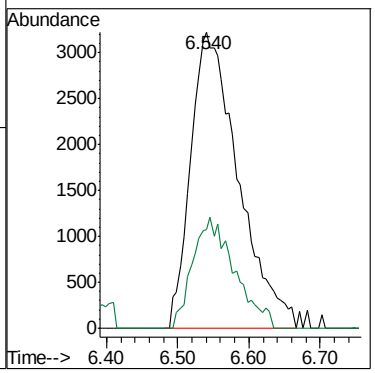


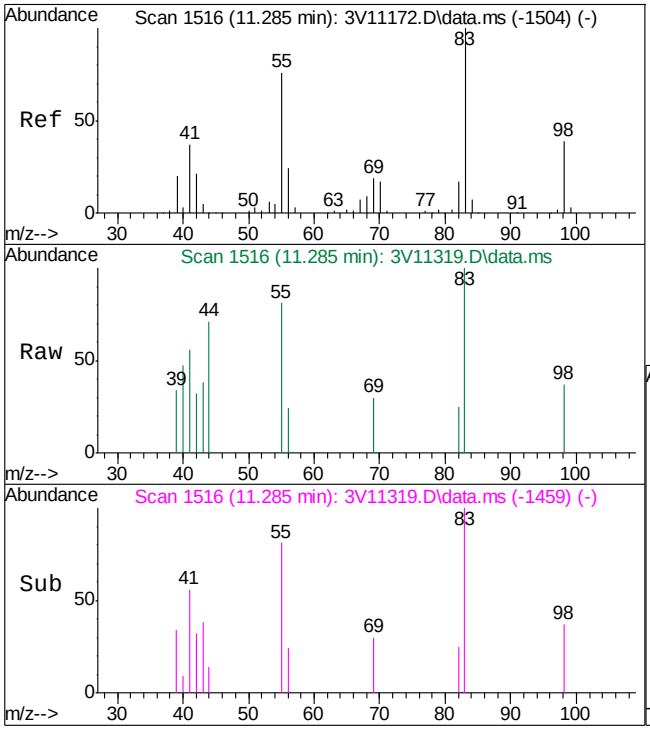


#17
acetone
Concen: 23.66 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11319.D
Acq: 30 May 2014 7:13 pm

Tgt Ion: 43 Resp: 14955

Ion	Ratio	Lower	Upper
43	100		
58	33.4	3.8	63.8

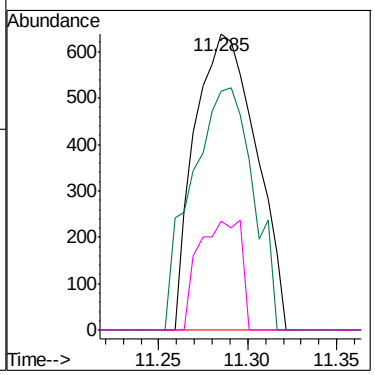




#67
methylcyclohexane
Concen: 0.42 ug/L
RT: 11.285 min Scan# 1516
Delta R.T. 0.000 min
Lab File: 3V11319.D
Acq: 30 May 2014 7:13 pm

Tgt Ion: 83 Resp: 1531

Ion	Ratio	Lower	Upper
83	100		
55	80.7	46.1	106.1
98	36.7	8.8	68.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11320.D
Acq On : 30 May 2014 7:40 pm
Operator : thienn
Sample : jb67976-12
Misc : MS68313,V3V479,6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 03 17:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

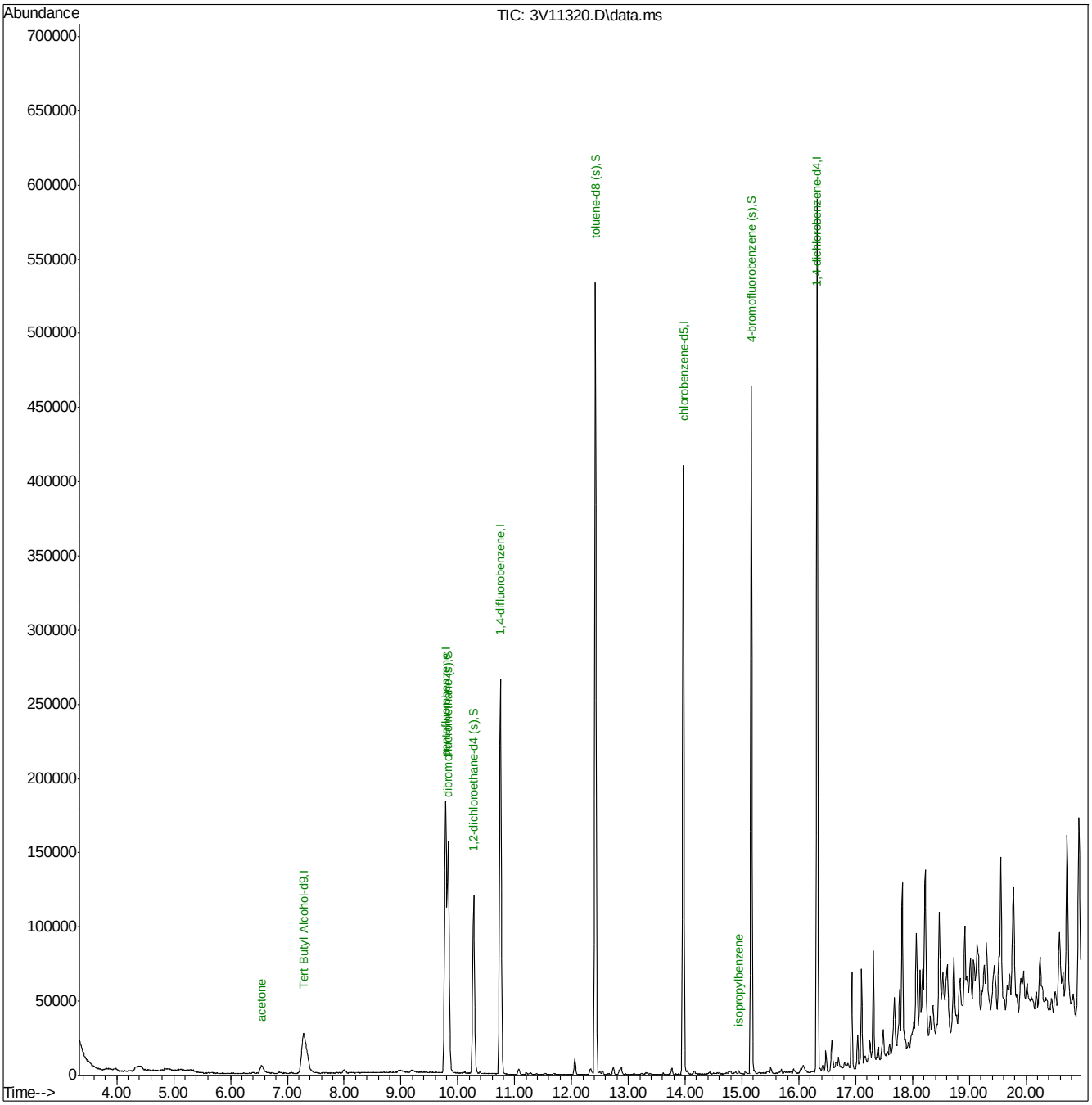
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	90514	500.00	ug/L	-0.02
5) pentafluorobenzene	9.786	168	177637	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	264886	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	241177	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150816	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	118699	52.81	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 105.62%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	99250	50.43	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.86%			
71) toluene-d8 (s)	12.418	98	380550	58.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 116.02%			
95) 4-bromofluorobenzene (s)	15.165	95	158290	59.86	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.72%			
Target Compounds						Qvalue
17) acetone	6.540	43	15689	24.95	ug/L	90
94) isopropylbenzene	14.945	105	2064	0.22	ug/L	89

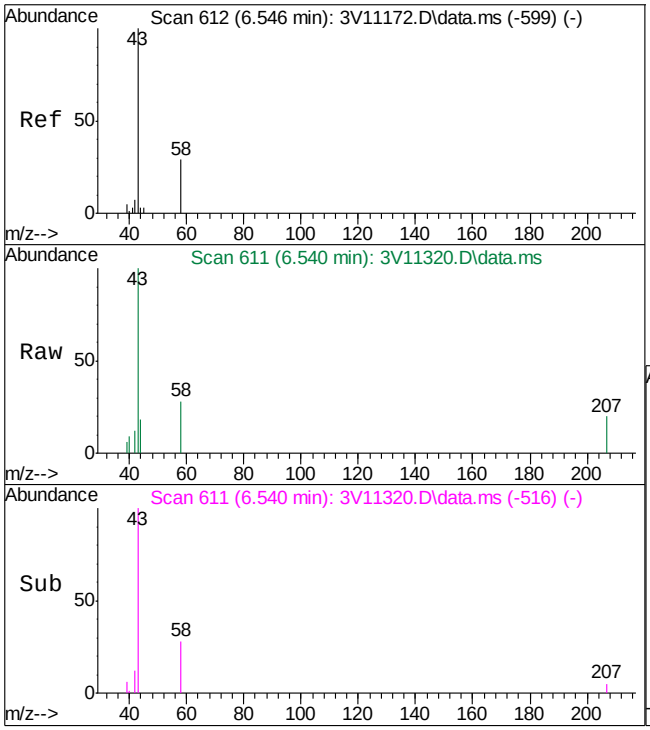
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11320.D
Acq On : 30 May 2014 7:40 pm
Operator : thienn
Sample : jb67976-12
Misc : MS68313,V3V479,6,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 03 17:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:57:42 2014
Response via : Initial Calibration

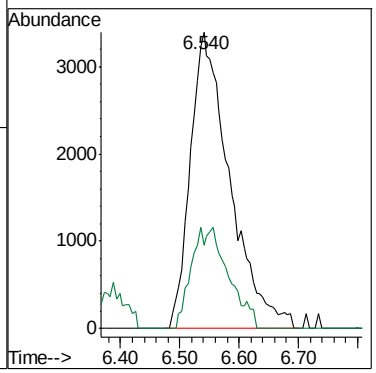


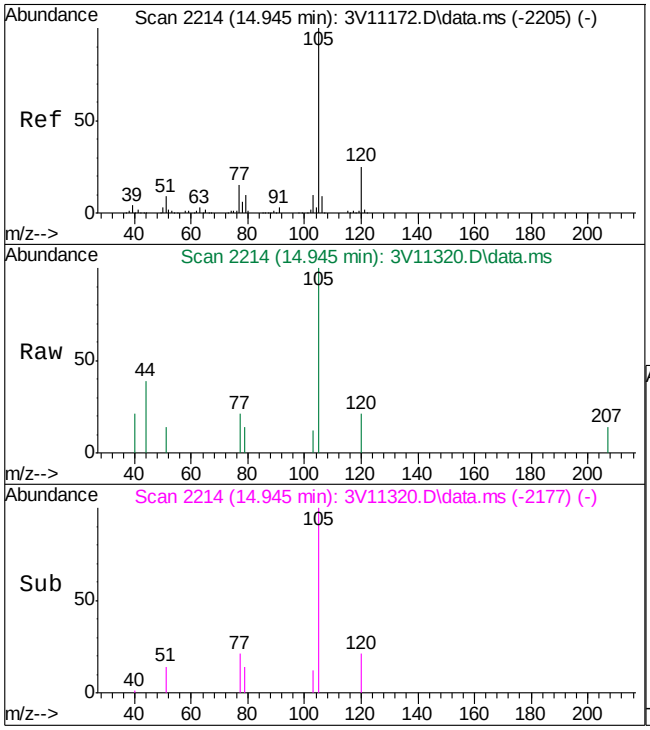


#17
acetone
Concen: 24.95 ug/L
RT: 6.540 min Scan# 611
Delta R.T. 0.000 min
Lab File: 3V11320.D
Acq: 30 May 2014 7:40 pm

Tgt Ion: 43 Resp: 15689

Ion	Ratio	Lower	Upper
43	100		
58	28.0	3.8	63.8

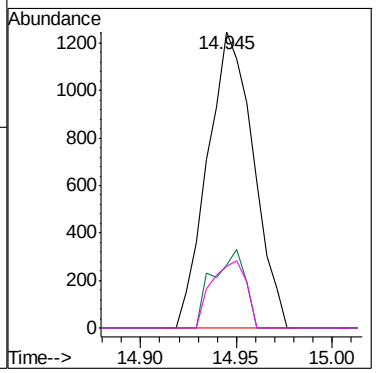




#94
isopropylbenzene
Concen: 0.22 ug/L
RT: 14.945 min Scan# 2214
Delta R.T. -0.005 min
Lab File: 3V11320.D
Acq: 30 May 2014 7:40 pm

Tgt Ion:105 Resp: 2064

Ion	Ratio	Lower	Upper
105	100		
120	21.3	0.0	55.7
77	20.9	0.0	44.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11302.D
Acq On : 30 May 2014 11:02 am
Operator : thienn
Sample : mb
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 17:13:04 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

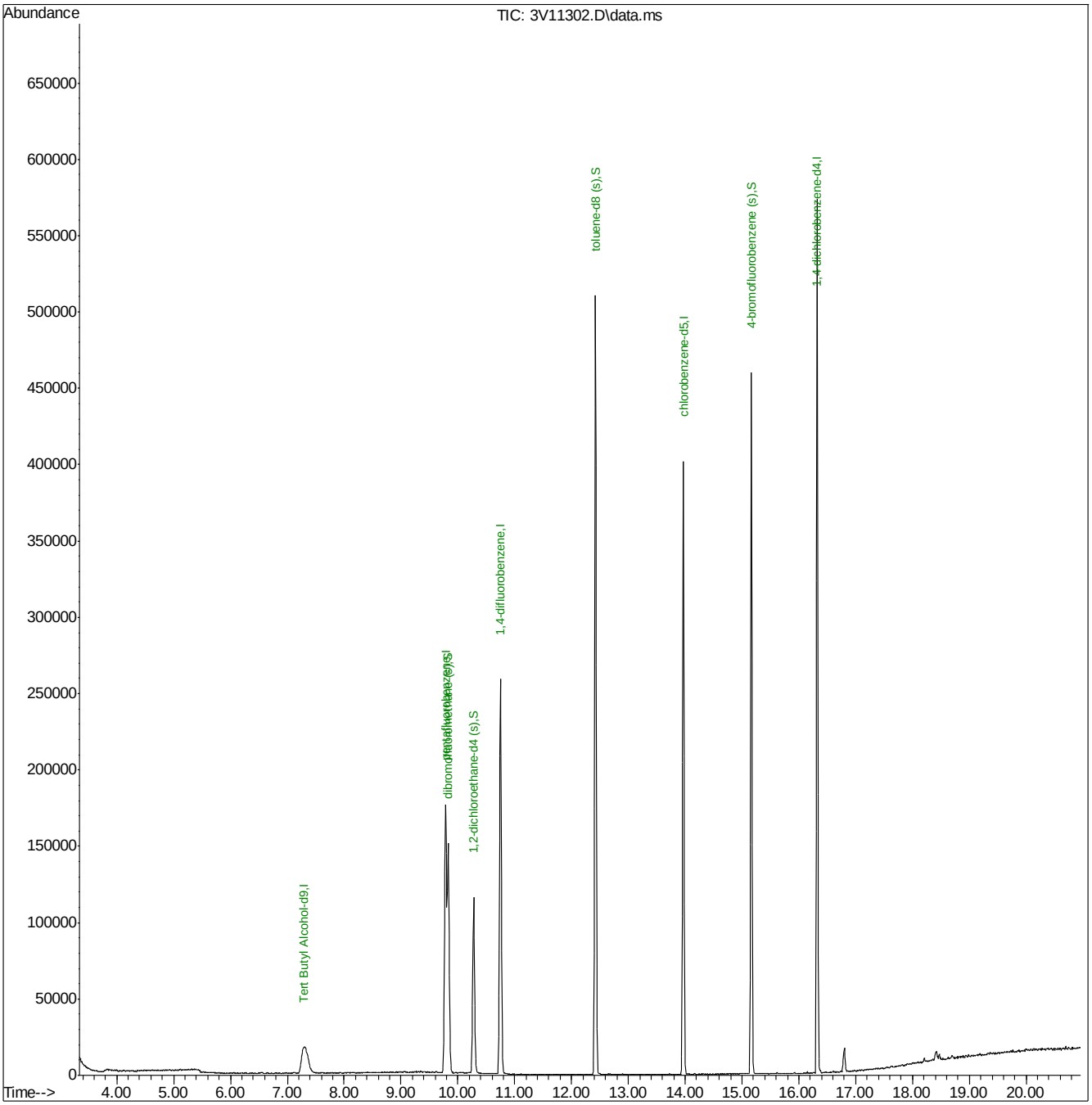
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.295	65	79407	500.00	ug/L	#-0.01
5) pentafluorobenzene	9.786	168	172023	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	255602	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	239677	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	148179	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	113864	52.31	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.62%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	95588	50.16	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.32%			
71) toluene-d8 (s)	12.418	98	374880	59.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.44%			
95) 4-bromofluorobenzene (s)	15.165	95	154387	59.42	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 118.84%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11302.D
Acq On : 30 May 2014 11:02 am
Operator : thienn
Sample : mb
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 17:13:04 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



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

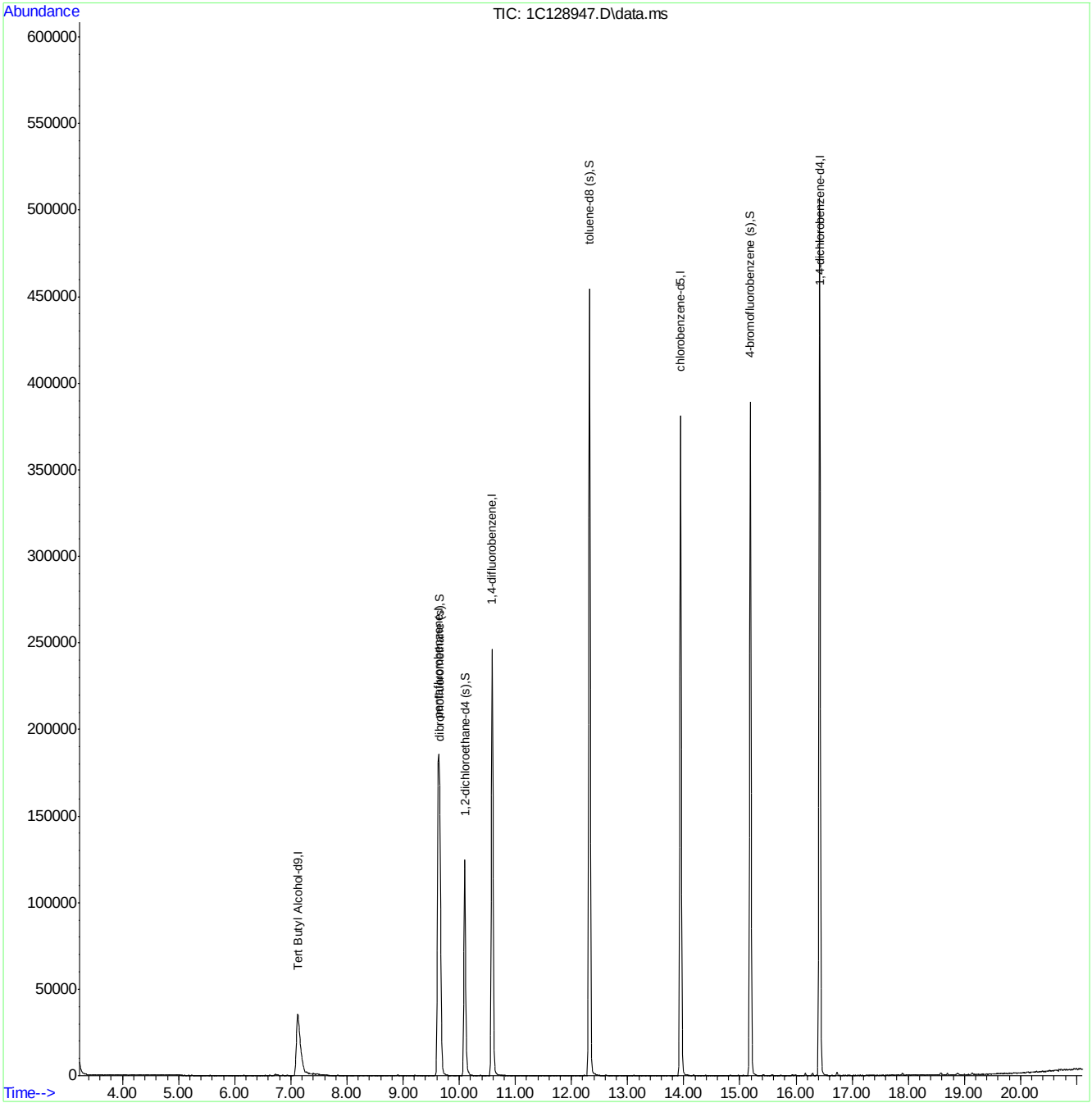
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.126	65	117279	500.00	ug/L	0.00
4) pentafluorobenzene	9.626	168	160112	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.583	114	244315	50.00	ug/L	0.00
88) chlorobenzene-d5	13.941	117	233317	50.00	ug/L	0.00
103) 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 JB67976

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119920.D Vial: 5
Acq On : 6 Jun 2014 11:13 am Operator: payalr
Sample : mb Inst : MS2B
Misc : MS68072,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 11:39:08 2014 Quant Results File: M2B5440.RES

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

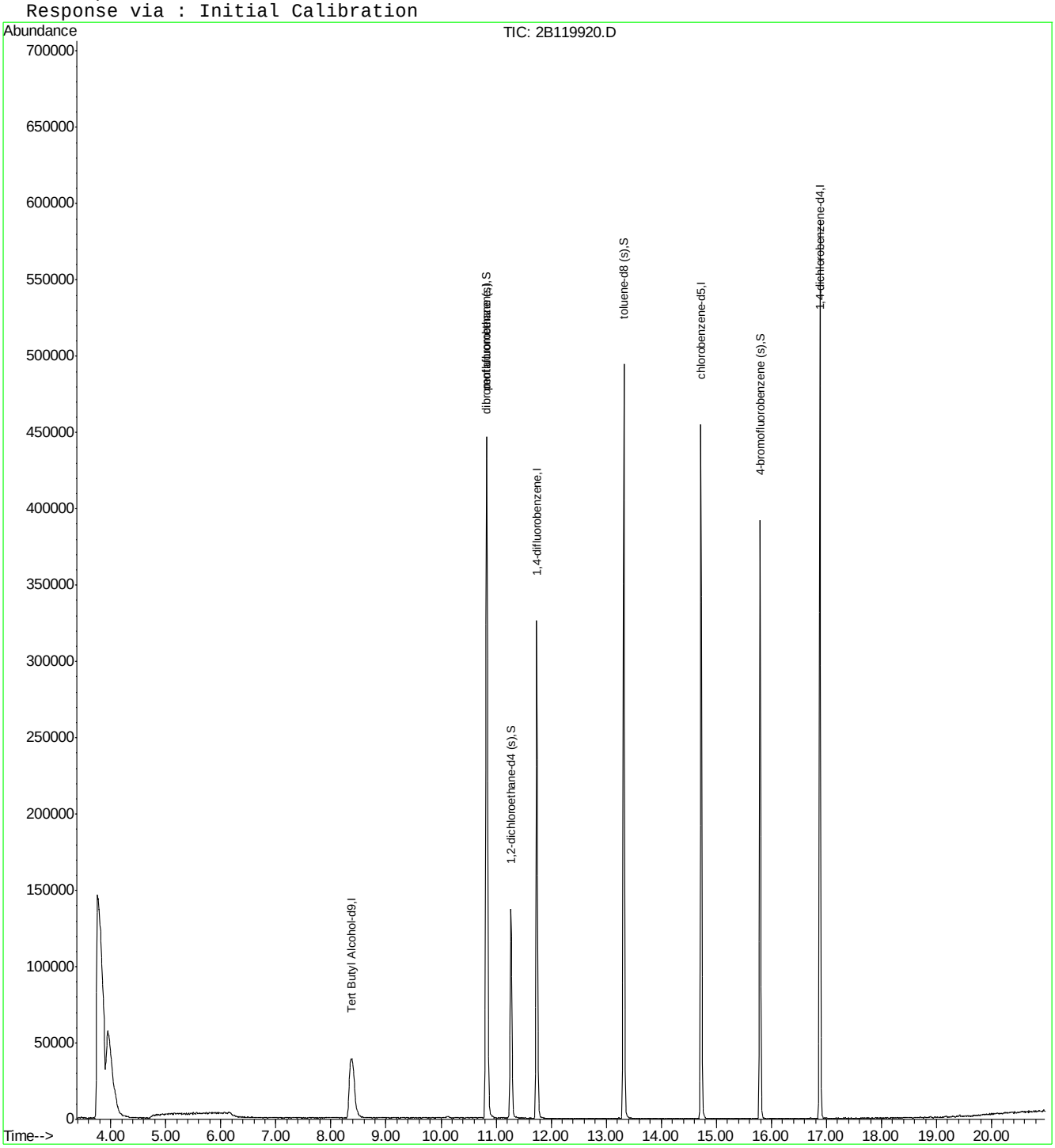
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	143195	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	287527	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	300111	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	249739	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	150245	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.84	113	113347	50.26	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.52%			
52) 1,2-dichloroethane-d4 (s)	11.26	65	108025	50.60	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.20%			
82) toluene-d8 (s)	13.32	98	324823	53.29	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 106.58%			
108) 4-bromofluorobenzene (s)	15.79	95	113293	49.66	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 99.32%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2B119920.D M2B5440.M Fri Jun 06 15:52:53 2014 MS2B Page 1

Quantitation Report (QT/LSC Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119920.D Vial: 5
Acq On : 6 Jun 2014 11:13 am Operator: payalr
Sample : mb Inst : MS2B
Misc : MS68072,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 15:49 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11303.D
Acq On : 30 May 2014 12:06 pm
Operator : thienn
Sample : bs
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 17:38:00 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	97849	500.00	ug/L	0.00
5) pentafluorobenzene	9.781	168	177468	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.745	114	260964	50.00	ug/L	0.00
79) chlorobenzene-d5	13.965	117	238646	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	148667	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.828	113	117132	52.16	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.32%			
44) 1,2-dichloroethane-d4 (s)	10.273	65	100976	51.36	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.72%			
71) toluene-d8 (s)	12.418	98	379246	58.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 117.36%			
95) 4-bromofluorobenzene (s)	15.165	95	152939	58.67	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 117.34%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.506	88	34177	1370.34	ug/L #	99
4) tertiary butyl alcohol	7.426	59	70508	269.02	ug/L	97
6) chlorodifluoromethane	3.557	51	183391	54.31	ug/L	99
7) dichlorodifluoromethane	3.541	85	271109	57.51	ug/L	99
8) chloromethane	3.866	50	244053	60.14	ug/L	99
9) vinyl chloride	4.134	62	260695	59.69	ug/L	99
10) bromomethane	4.815	94	154473	55.70	ug/L	97
11) chloroethane	4.999	64	84110	58.35	ug/L	98
12) trichlorofluoromethane	5.513	101	267277	55.58	ug/L	100
13) ethyl ether	5.969	74	49580	55.58	ug/L	99
14) 2-chloropropane	6.184	43	205201	59.54	ug/L	99
15) acrolein	6.283	56	149277	418.44	ug/L	99
16) 1,1-dichloroethene	6.430	96	128230	53.36	ug/L	92
17) acetone	6.540	43	36587	58.25	ug/L	98
18) allyl chloride	7.049	76	65697	59.81	ug/L	95
19) acetonitrile	7.065	40	86709	558.77	ug/L	92
20) iodomethane	6.745	142	272620	54.33	ug/L	99
21) iso-butyl alcohol	10.142	41	37251	547.78	ug/L	99
22) carbon disulfide	6.860	76	540017	60.92	ug/L	100
23) methylene chloride	7.285	84	144405	51.19	ug/L	97
24) 1-chloropropane	7.306	42	184476	48.04	ug/L	99
25) methyl acetate	7.049	74	12862	51.30	ug/L	97
26) methyl tert butyl ether	7.641	73	624122	108.01	ug/L	100
27) trans-1,2-dichloroethene	7.694	96	127582	50.18	ug/L	99
28) di-isopropyl ether	8.333	45	352260	58.02	ug/L	96
29) ethyl tert-butyl ether	8.863	59	344922	56.64	ug/L	99
30) 2-butanone	9.183	72	11584	58.56	ug/L	90
31) 1,1-dichloroethane	8.360	63	225812	57.99	ug/L	98
32) chloroprene	8.470	53	139769	54.40	ug/L	99
33) acrylonitrile	7.694	53	165455	289.18	ug/L	98
34) vinyl acetate	8.365	86	12692	57.42	ug/L	87
35) ethyl acetate	9.193	45	10487	53.73	ug/L	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11303.D
Acq On : 30 May 2014 12:06 pm
Operator : thienn
Sample : bs
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 17:38:00 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	217071	55.11	ug/L		100
37) cis-1,2-dichloroethene	9.193	96	137128	47.30	ug/L		96
38) propionitrile	9.314	54	138481	547.99	ug/L		94
39) methyl acrylate	9.277	55	87880	53.16	ug/L	#	97
40) bromochloromethane	9.539	128	63899	53.44	ug/L		93
41) tetrahydrofuran	9.571	42	29001	54.94	ug/L		99
42) chloroform	9.613	83	218826	51.75	ug/L		100
45) freon 113	6.409	151	118167	55.12	ug/L		99
46) methacrylonitrile	9.492	41	43778	53.39	ug/L		90
47) 1,1,1-trichloroethane	9.854	97	220055	55.90	ug/L		99
48) tert-amyl methyl ether	10.368	73	329390	54.14	ug/L		99
50) epichlorohydrin	12.067	57	40599	279.15	ug/L		99
51) n-butyl alcohol	10.934	56	167208	2854.24	ug/L		99
52) cyclohexane	9.906	84	202859	59.60	ug/L		93
53) carbon tetrachloride	10.058	117	202496	58.71	ug/L		99
54) 1,1-dichloropropene	10.043	75	151350	55.86	ug/L		99
56) ISOOCTANE	10.310	57	405532	52.79	ug/L		96
57) benzene	10.326	78	454502	55.88	ug/L		99
58) heptane	10.509	57	65746	49.99	ug/L		98
59) isopropyl acetate	10.289	43	222229	57.89	ug/L		98
60) 1,2-dichloroethane	10.373	62	124947	54.77	ug/L		98
61) trichloroethene	11.086	95	116246	54.75	ug/L		99
63) 2-nitropropane	11.935	43	168913	62.22	ug/L		97
64) 2-chloroethyl vinyl ether	11.935	63	256624	344.15	ug/L		100
65) methyl methacrylate	11.280	41	104043	77.20	ug/L		89
66) 1,2-dichloropropane	11.369	63	112542	57.55	ug/L		95
67) methylcyclohexane	11.285	83	199515	56.97	ug/L		95
68) dibromomethane	11.542	93	67108	54.59	ug/L		98
69) bromodichloromethane	11.684	83	146254	56.24	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	158853	54.93	ug/L		99
72) 4-methyl-2-pentanone	12.250	58	34224	56.97	ug/L		96
73) toluene	12.491	92	249088	52.47	ug/L		98
74) 3-methyl-1-butanol	12.297	70	56496	1105.68	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	136143	55.35	ug/L		98
76) ethyl methacrylate	12.711	69	99796	54.46	ug/L		98
77) 1,1,2-trichloroethane	12.937	83	73739	55.47	ug/L		98
78) 2-hexanone	13.115	58	32230	58.75	ug/L		99
80) tetrachloroethene	13.073	166	125465	56.66	ug/L		98
81) 1,3-dichloropropane	13.120	76	127291	56.80	ug/L		99
82) butyl acetate	13.183	56	51570	55.81	ug/L		95
83) dibromochloromethane	13.388	129	112961	55.07	ug/L		99
84) 1,2-dibromoethane	13.529	107	90575	56.55	ug/L		99
86) chlorobenzene	14.001	112	299784	55.73	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	122548	55.61	ug/L		100
88) ethylbenzene	14.054	91	525242	56.03	ug/L		99
89) m,p-xylene	14.164	106	401102	109.17	ug/L		99
90) o-xylene	14.599	106	203895	57.14	ug/L		99
91) styrene	14.615	104	322783	59.27	ug/L		99
92) bromoform	14.898	173	83144	55.51	ug/L		98
94) isopropylbenzene	14.945	105	551473	58.69	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11303.D
Acq On : 30 May 2014 12:06 pm
Operator : thienn
Sample : bs
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 17:38:00 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	145571	56.16	ug/L	99
97)	cyclohexanone	15.144	55	215760	590.76	ug/L	100
98)	1,1,2,2-tetrachloroethane	15.291	83	134820	55.55	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	30387	56.05	ug/L	98
100)	1,2,3-trichloropropane	15.359	110	29360	56.17	ug/L	97
101)	n-propylbenzene	15.364	91	696916	61.50	ug/L	99
102)	2-chlorotoluene	15.516	126	142677	58.56	ug/L	97
103)	4-chlorotoluene	15.616	91	399375	56.87	ug/L	100
104)	1,3,5-trimethylbenzene	15.516	105	478680	58.75	ug/L	99
105)	tert-butylbenzene	15.862	119	379189	56.57	ug/L	97
106)	pentachloroethane	15.957	167	92938	53.21	ug/L	97
107)	1,2,4-trimethylbenzene	15.910	105	514723	59.73	ug/L	99
108)	sec-butylbenzene	16.072	105	650174	58.18	ug/L	99
109)	1,3-dichlorobenzene	16.266	146	295680	53.87	ug/L	99
110)	p-isopropyltoluene	16.193	119	546061	59.08	ug/L	100
111)	1,4-dichlorobenzene	16.350	146	298814	53.94	ug/L	100
112)	1,2-dichlorobenzene	16.733	146	295379	54.49	ug/L	99
113)	n-butylbenzene	16.597	92	315530	59.75	ug/L	100
114)	1,2-dibromo-3-chloropr...	17.477	75	28945	53.23	ug/L	96
115)	1,3,5-TRICHLOROBENZENE	17.629	180	300577	55.41	ug/L	100
116)	1,2,4-trichlorobenzene	18.211	180	268657	52.89	ug/L	98
117)	hexachlorobutadiene	18.301	225	141054	53.33	ug/L	100
118)	naphthalene	18.468	128	531373	52.49	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	252329	53.13	ug/L	100
120)	hexachloroethane	16.969	119	111663	55.91	ug/L	100
121)	Benzyl chloride	16.471	91	277754	57.83	ug/L	100

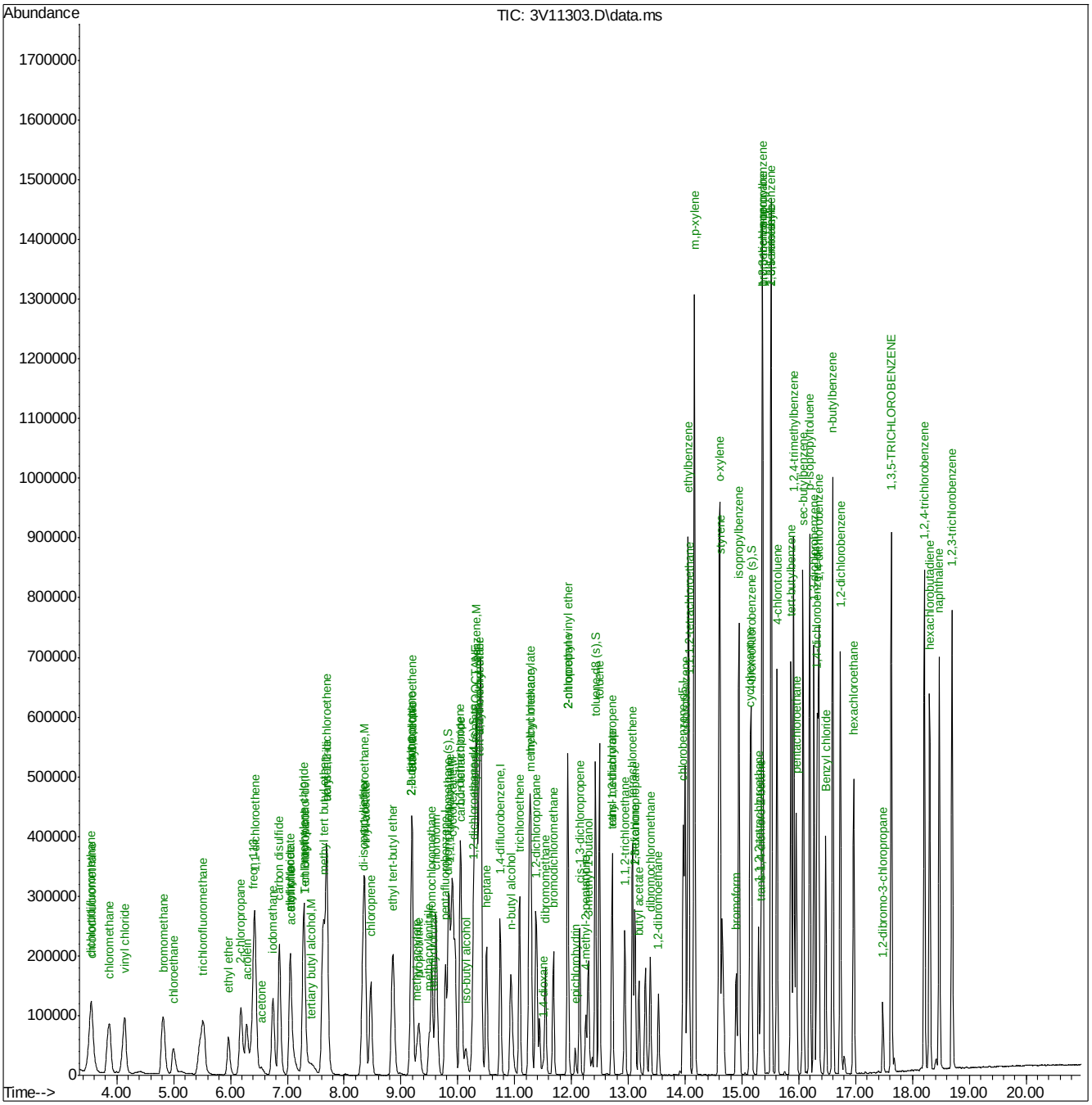
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11303.D
Acq On : 30 May 2014 12:06 pm
Operator : thienn
Sample : bs
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 17:38:00 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 JB67976

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

ACCUTEST LABORATORIES JB67976

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

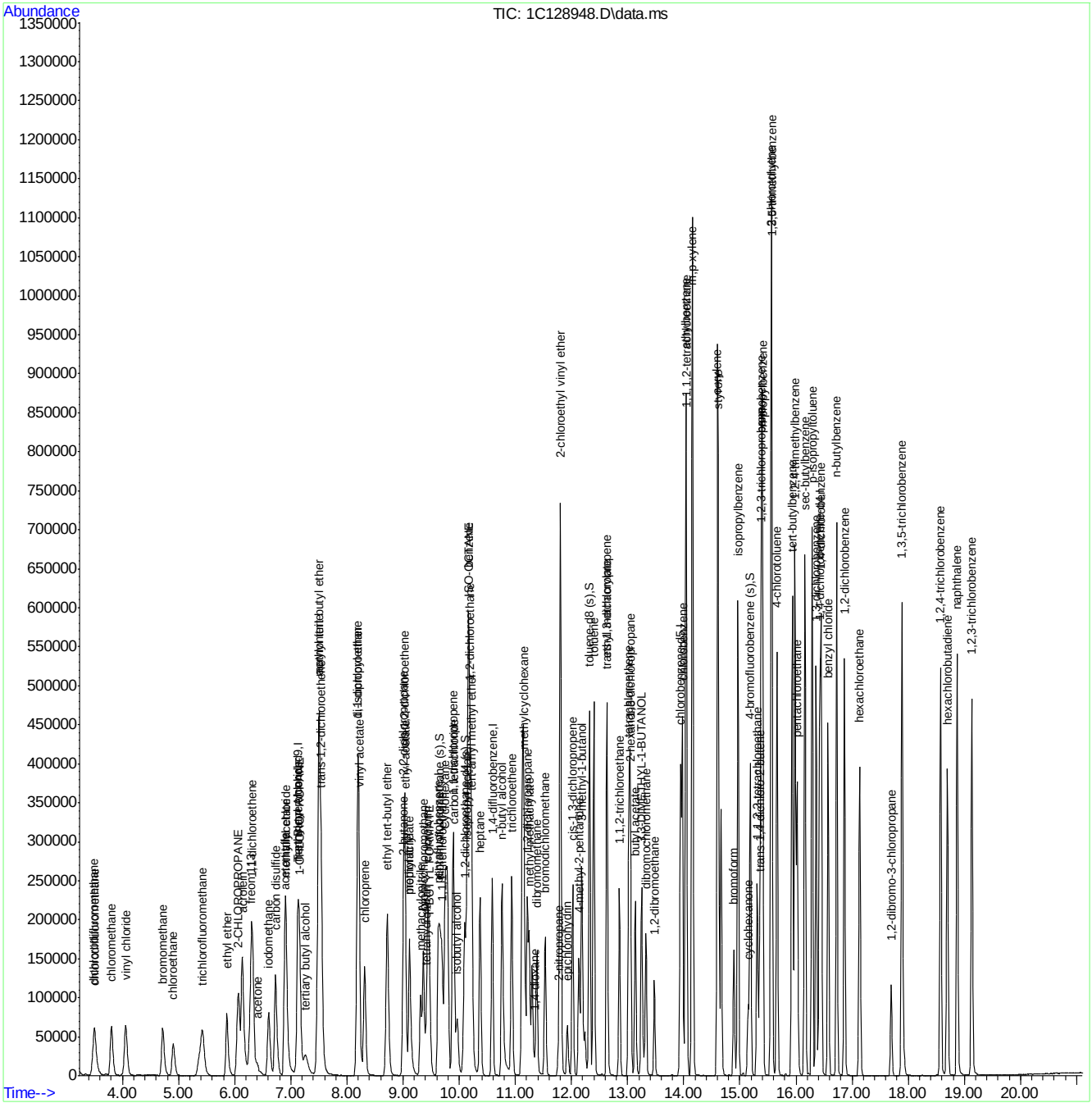
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.893	173	89529	46.42	ug/L	98
104) isopropylbenzene	14.966	105	472494	49.07	ug/L	99
106) cyclohexanone	15.149	55	48453	250.23	ug/L	98
107) bromobenzene	15.385	156	130818	50.36	ug/L	98
108) 1,1,2,2-tetrachloroethane	15.306	83	147367	42.84	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 File : C:\MSDCHEM\1\DATA\2B119921.D Vial: 6
Acq On : 6 Jun 2014 11:53 am Operator: payalr
Sample : bs Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 12:19:17 2014 Quant Results File: M2B5440.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	139055	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	270830	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	295427	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	254306	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	139163	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	109560	51.58	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.16%			
52) 1,2-dichloroethane-d4 (s)	11.26	65	102105	50.78	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.56%			
82) toluene-d8 (s)	13.32	98	325677	54.28	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.56%			
108) 4-bromofluorobenzene (s)	15.79	95	109917	52.02	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.04%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.49	59	87261	253.74	ug/L	88
4) 1,4-dioxane	12.43	88	40571	1251.33	ug/L	93
9) chlorodifluoromethane	4.49	51	149530	50.43	ug/L	95
10) dichlorodifluoromethane	4.47	85	178191	47.03	ug/L	99
12) chloromethane	4.87	50	246008	51.84	ug/L	98
13) vinyl chloride	5.17	62	245567	52.19	ug/L	99
15) bromomethane	5.91	94	146964	50.22	ug/L	97
16) chloroethane	6.10	64	119177	65.39	ug/L	96
18) trichlorofluoromethane	6.69	101	248930	55.51	ug/L	97
20) ethyl ether	7.13	74	68621	58.79	ug/L	88
21) acrolein	7.37	56	282798	535.06	ug/L	100
22) 2-chloropropane	7.34	43	250752	55.11	ug/L	97
24) 1,1-dichloroethene	7.59	96	131014	52.53	ug/L	99
25) acetone	7.64	43	48024	60.16	ug/L	89
26) allyl chloride	8.19	76	73858	63.86	ug/L	94
27) acetonitrile	8.10	40	93634	526.26	ug/L	96
28) iodomethane	7.89	142	274094	54.23	ug/L	96
29) iso-butyl alcohol	11.11	74	14247	554.36	ug/L	93
30) carbon disulfide	8.05	76	537373	56.46	ug/L	100
31) methylene chloride	8.39	84	148848	53.06	ug/L	99
32) methyl acetate	8.19	74	18980	51.62	ug/L	90
33) 1-chloropropane	8.45	42	204187	49.91	ug/L	100
34) methyl tert butyl ether	8.82	73	799271	105.38	ug/L	98
35) trans-1,2-dichloroethene	8.83	96	119205	52.04	ug/L	96
36) di-isopropyl ether	9.50	45	450656	55.63	ug/L	99
37) 2-butanone	10.21	72	15158	58.00	ug/L	93
38) 1,1-dichloroethane	9.45	63	231494	57.58	ug/L	96
39) chloroprene	9.58	53	138125	49.35	ug/L	97
40) acrylonitrile	8.74	53	270398	291.00	ug/L	100
41) vinyl acetate	9.46	86	19642	59.53	ug/L	94
42) ethyl tert-butyl ether	10.00	59	434786	53.13	ug/L	98
43) ethyl acetate	10.26	45	14238	51.65	ug/L	82
44) 2,2-dichloropropane	10.28	77	204543	56.73	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119921.D Vial: 6
Acq On : 6 Jun 2014 11:53 am Operator: payalr
Sample : bs Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 12:19:17 2014 Quant Results File: M2B5440.RES

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

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	135937	53.99	ug/L		99
46)	propionitrile	10.29	54	198393	547.73	ug/L		98
47)	bromochloromethane	10.56	128	68324	54.87	ug/L		95
48)	tetrahydrofuran	10.63	42	43118	61.81	ug/L		99
49)	chloroform	10.63	83	203511	53.64	ug/L		98
50)	t-butyl formate	10.71	59	110500	55.72	ug/L		97
53)	freon 113	7.62	151	118382	54.64	ug/L		96
54)	methacrylonitrile	10.50	41	67863	53.82	ug/L		97
55)	1,1,1-trichloroethane	10.93	97	202669	56.26	ug/L		99
56)	Cyclohexane	11.03	84	206002	56.27	ug/L		97
61)	epichlorohydrin	12.92	57	50988	280.16	ug/L		99
62)	n-butyl alcohol	11.84	56	192199	2720.66	ug/L		98
63)	carbon tetrachloride	11.15	117	175017	55.45	ug/L		95
64)	1,1-dichloropropene	11.11	75	129273	53.72	ug/L		96
66)	benzene	11.37	78	411245	53.06	ug/L		100
67)	2,2,4-trimethylpentane	11.44	57	423994	55.33	ug/L		98
68)	tert-amyl methyl ether	11.44	73	387743	50.14	ug/L		99
69)	heptane	11.60	57	62248	54.17	ug/L		98
70)	isopropyl acetate	11.31	43	209888	53.17	ug/L		98
71)	1,2-dichloroethane	11.36	62	123559	53.94	ug/L		96
72)	trichloroethene	12.07	95	97674	54.91	ug/L		99
74)	2-nitropropane	13.13	46	6864	60.22	ug/L		95
75)	2-chloroethyl vinyl ether	12.82	63	280384	269.29	ug/L		98
76)	methyl methacrylate	12.33	100	22782	53.18	ug/L	#	66
77)	1,2-dichloropropane	12.32	63	100077	54.94	ug/L		100
78)	dibromomethane	12.45	93	60965	53.96	ug/L		97
79)	methylcyclohexane	12.32	83	190150	51.92	ug/L		97
80)	bromodichloromethane	12.58	83	128774	54.49	ug/L		99
81)	cis-1,3-dichloropropene	13.02	75	145209	54.29	ug/L		99
83)	4-methyl-2-pentanone	13.13	58	51407	57.30	ug/L		96
84)	toluene	13.39	92	210704	54.86	ug/L		99
85)	3-methyl-1-butanol	13.13	55	117338	1103.20	ug/L		99
86)	trans-1,3-dichloropropene	13.55	75	124241	52.82	ug/L		97
87)	ethyl methacrylate	13.57	69	119600	58.57	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	68916	53.24	ug/L		98
89)	2-hexanone	13.92	58	36976	59.86	ug/L		91
92)	tetrachloroethene	13.94	164	81503	49.36	ug/L		99
93)	1,3-dichloropropane	13.92	76	129741	51.06	ug/L		99
94)	butyl acetate	14.00	56	63345	51.39	ug/L		97
95)	3,3-dimethyl-1-butanol	14.08	57	153464	459.34	ug/L		97
96)	dibromochloromethane	14.16	129	99162	48.51	ug/L		98
97)	1,2-dibromoethane	14.31	107	85773	50.34	ug/L		99
98)	chlorobenzene	14.75	112	240073	51.52	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	117003	51.31	ug/L		98
100)	ethylbenzene	14.81	91	390936	52.75	ug/L		99
101)	m,p-xylene	14.91	106	303703	105.11	ug/L		99
102)	o-xylene	15.30	106	173862	52.64	ug/L		95
103)	styrene	15.30	104	257488	53.62	ug/L		100
105)	bromoform	15.52	173	79347	49.23	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119921.D Vial: 6
Acq On : 6 Jun 2014 11:53 am Operator: payalr
Sample : bs Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 12:19:17 2014 Quant Results File: M2B5440.RES

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

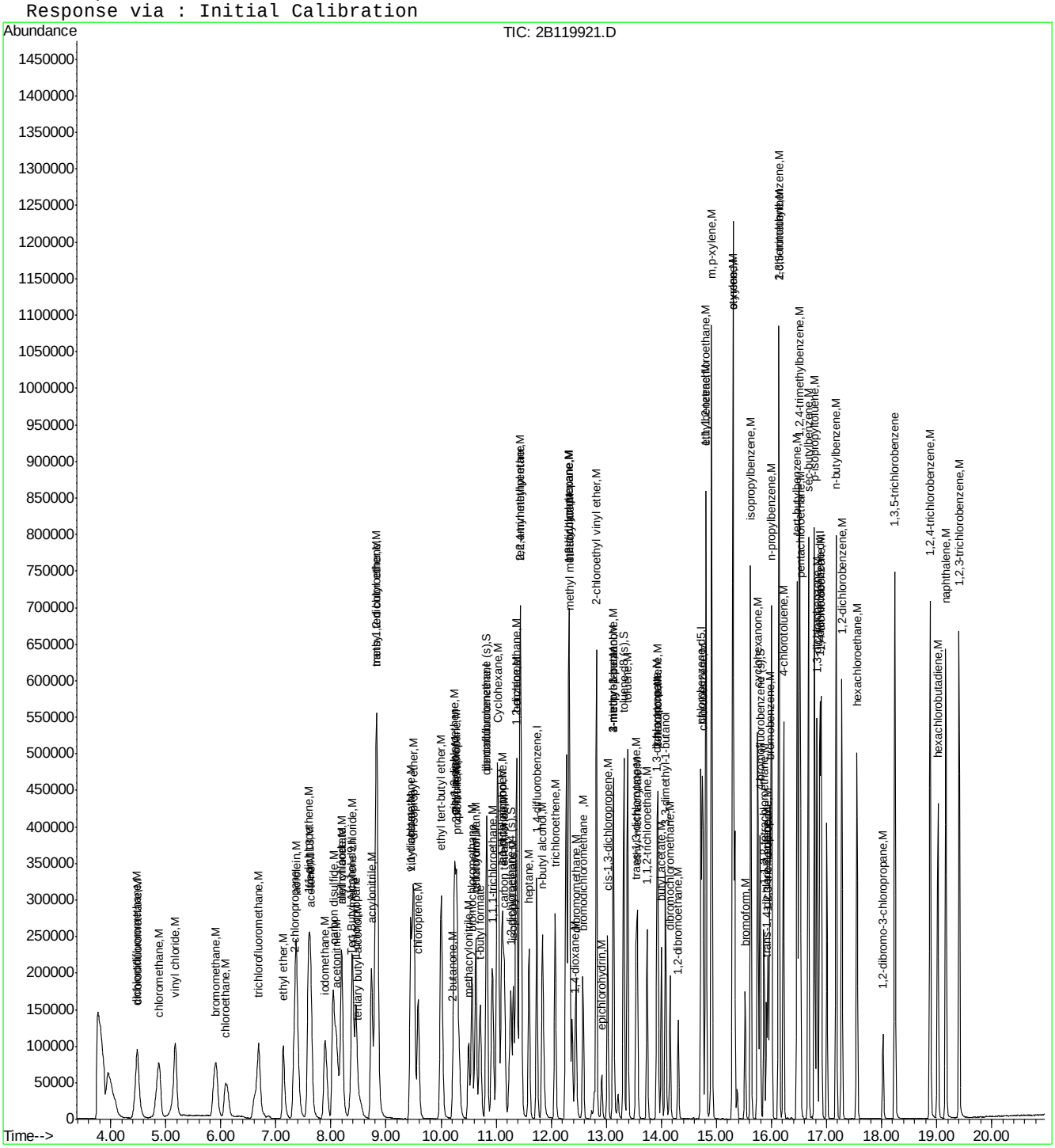
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
107)	isopropylbenzene	15.62	105	464257	56.28	ug/L	99
109)	cyclohexanone	15.75	98	94967	828.90	ug/L	96
110)	bromobenzene	15.97	156	118277	52.36	ug/L	90
111)	1,1,2,2-tetrachloroethane	15.86	83	126616	48.91	ug/L	98
112)	trans-1,4-dichloro-2-buten	15.91	53	26491	54.54	ug/L	99
113)	1,2,3-trichloropropane	15.94	110	28924	51.23	ug/L	99
114)	n-propylbenzene	16.00	91	492624	58.18	ug/L	98
115)	2-chlorotoluene	16.13	126	111525	54.61	ug/L	95
116)	4-chlorotoluene	16.22	91	278590	52.87	ug/L	98
117)	1,3,5-trimethylbenzene	16.14	105	373981	55.63	ug/L	99
118)	tert-butylbenzene	16.47	119	348381	45.08	ug/L	96
119)	pentachloroethane	16.52	167	94232	51.08	ug/L	98
120)	1,2,4-trimethylbenzene	16.50	105	385033	58.28	ug/L	99
121)	sec-butylbenzene	16.67	105	521144	53.64	ug/L	100
122)	1,3-dichlorobenzene	16.83	146	220804	50.37	ug/L	98
123)	p-isopropyltoluene	16.78	119	435488	51.93	ug/L	99
124)	1,4-dichlorobenzene	16.91	146	222657	50.64	ug/L	98
125)	1,2-dichlorobenzene	17.28	146	243798	51.25	ug/L	99
126)	n-butylbenzene	17.17	92	223106	59.04	ug/L	99
127)	1,2-dibromo-3-chloropropan	18.03	75	26643	52.99	ug/L	96
128)	1,3,5-trichlorobenzene	18.24	180	258618	55.33	ug/L	98
129)	1,2,4-trichlorobenzene	18.88	180	244461	53.30	ug/L	99
130)	hexachlorobutadiene	19.02	225	107012	51.81	ug/L	99
131)	naphthalene	19.17	128	507454	52.22	ug/L	99
132)	1,2,3-trichlorobenzene	19.41	180	234040	51.38	ug/L	97
133)	hexachloroethane	17.55	201	95824	45.38	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119921.D Vial: 6
Acq On : 6 Jun 2014 11:53 am Operator: payalr
Sample : bs Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 15:54 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11308.D
Acq On : 30 May 2014 2:20 pm
Operator : thienn
Sample : jb67667-1ms
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 17:18:22 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	119013	500.00	ug/L	-0.01
5) pentafluorobenzene	9.786	168	197994	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	299274	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	274785	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	167965	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	134266	53.59	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.18%			
44) 1,2-dichloroethane-d4 (s)	10.278	65	113543	51.76	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 103.52%			
71) toluene-d8 (s)	12.418	98	442481	59.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 119.40%			
95) 4-bromofluorobenzene (s)	15.165	95	178842	60.73	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 121.46%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.500	88	38815	1279.55	ug/L #	97
4) tertiary butyl alcohol	7.432	59	79761	250.20	ug/L	96
6) chlorodifluoromethane	3.546	51	199045	52.69	ug/L	100
7) dichlorodifluoromethane	3.531	85	290376	55.21	ug/L	99
8) chloromethane	3.861	50	268483	59.31	ug/L	100
9) vinyl chloride	4.128	62	293171	60.16	ug/L	99
10) bromomethane	4.810	94	173772	56.16	ug/L	97
11) chloroethane	4.994	64	95413	59.33	ug/L	97
12) trichlorofluoromethane	5.513	101	293570	54.72	ug/L	100
13) ethyl ether	5.963	74	59412	59.70	ug/L	98
14) 2-chloropropane	6.178	43	234108	60.89	ug/L	96
15) acrolein	6.283	56	147094	369.58	ug/L	99
16) 1,1-dichloroethene	6.430	96	145401	54.24	ug/L	97
17) acetone	6.535	43	37016	52.82	ug/L	99
18) allyl chloride	7.049	76	65362	53.34	ug/L	89
19) acetonitrile	7.059	40	93060	537.53	ug/L	92
20) iodomethane	6.745	142	309066	55.21	ug/L	98
21) iso-butyl alcohol	10.142	41	37986	500.68	ug/L	94
22) carbon disulfide	6.860	76	567279	57.36	ug/L	100
23) methylene chloride	7.285	84	163387	51.92	ug/L	96
24) 1-chloropropane	7.300	42	216696	50.58	ug/L	99
25) methyl acetate	7.054	74	21201	75.79	ug/L	95
26) methyl tert butyl ether	7.641	73	388192	60.21	ug/L	100
27) trans-1,2-dichloroethene	7.694	96	145174	51.18	ug/L	99
28) di-isopropyl ether	8.333	45	384358	56.74	ug/L	97
29) ethyl tert-butyl ether	8.858	59	377436	55.55	ug/L	99
30) 2-butanone	9.177	72	12115	54.90	ug/L	77
31) 1,1-dichloroethane	8.365	63	259561	59.75	ug/L	98
32) chloroprene	8.470	53	147617	51.50	ug/L	99
33) acrylonitrile	7.694	53	191263	299.63	ug/L	99
34) vinyl acetate	8.370	86	8810	35.72	ug/L	69
35) ethyl acetate	9.204	45	10061	46.20	ug/L	58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11308.D
Acq On : 30 May 2014 2:20 pm
Operator : thienn
Sample : jb67667-1ms
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 17:18:22 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	255010	58.03	ug/L		99
37) cis-1,2-dichloroethene	9.193	96	154679	47.83	ug/L		95
38) propionitrile	9.314	54	162779	577.36	ug/L		91
39) methyl acrylate	9.282	55	104995	56.93	ug/L	#	97
40) bromochloromethane	9.539	128	72546	54.39	ug/L		91
41) tetrahydrofuran	9.571	42	32988	56.02	ug/L		99
42) chloroform	9.613	83	247360	52.43	ug/L		98
45) freon 113	6.409	151	114492	47.87	ug/L		99
46) methacrylonitrile	9.497	41	52132	56.99	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	246484	56.12	ug/L		98
48) tert-amyl methyl ether	10.368	73	365589	53.86	ug/L		95
50) epichlorohydrin	12.066	57	42754	256.33	ug/L		99
51) n-butyl alcohol	10.934	56	183657	2733.72	ug/L		99
52) cyclohexane	9.906	84	208559	53.43	ug/L		96
53) carbon tetrachloride	10.058	117	216191	54.65	ug/L		99
54) 1,1-dichloropropene	10.043	75	173811	55.94	ug/L		98
55) hexane	8.024	57	100168	40.51	ug/L		98
56) ISOOCTANE	10.310	57	242666	27.54	ug/L		96
57) benzene	10.331	78	525021	56.29	ug/L		99
58) heptane	10.504	57	46382	30.75	ug/L		98
59) isopropyl acetate	10.294	43	183049	41.58	ug/L		94
60) 1,2-dichloroethane	10.373	62	142671	54.53	ug/L		99
61) trichloroethene	11.086	95	132329	54.35	ug/L		96
63) 2-nitropropane	11.935	43	162499	52.20	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	242151	283.17	ug/L		99
65) methyl methacrylate	11.285	41	63116	40.84	ug/L		98
66) 1,2-dichloropropane	11.374	63	133843	59.68	ug/L		94
67) methylcyclohexane	11.285	83	166018	41.33	ug/L		98
68) dibromomethane	11.542	93	77555	55.01	ug/L		98
69) bromodichloromethane	11.684	83	165119	55.37	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	189539	57.15	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	41932	60.87	ug/L		99
73) toluene	12.491	92	286755	52.67	ug/L		99
74) 3-methyl-1-butanol	12.297	70	63859	1089.79	ug/L		97
75) trans-1,3-dichloropropene	12.722	75	160778	56.99	ug/L		97
76) ethyl methacrylate	12.711	69	114677	54.57	ug/L		97
77) 1,1,2-trichloroethane	12.937	83	87707	57.53	ug/L		99
78) 2-hexanone	13.115	58	36002	57.23	ug/L		98
80) tetrachloroethene	13.073	166	134614	52.79	ug/L		99
81) 1,3-dichloropropane	13.120	76	151471	58.70	ug/L		99
82) butyl acetate	13.188	56	47359	44.52	ug/L		97
83) dibromochloromethane	13.388	129	129028	54.63	ug/L		99
84) 1,2-dibromoethane	13.534	107	106066	57.51	ug/L		100
86) chlorobenzene	14.001	112	332932	53.76	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.069	131	139307	54.90	ug/L		100
88) ethylbenzene	14.053	91	566725	52.51	ug/L		100
89) m,p-xylene	14.164	106	433055	102.37	ug/L		99
90) o-xylene	14.599	106	226345	55.09	ug/L		100
91) styrene	14.615	104	350354	55.87	ug/L		99
92) bromoform	14.898	173	92060	53.38	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11308.D
Acq On : 30 May 2014 2:20 pm
Operator : thienn
Sample : jb67667-1ms
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 17:18:22 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

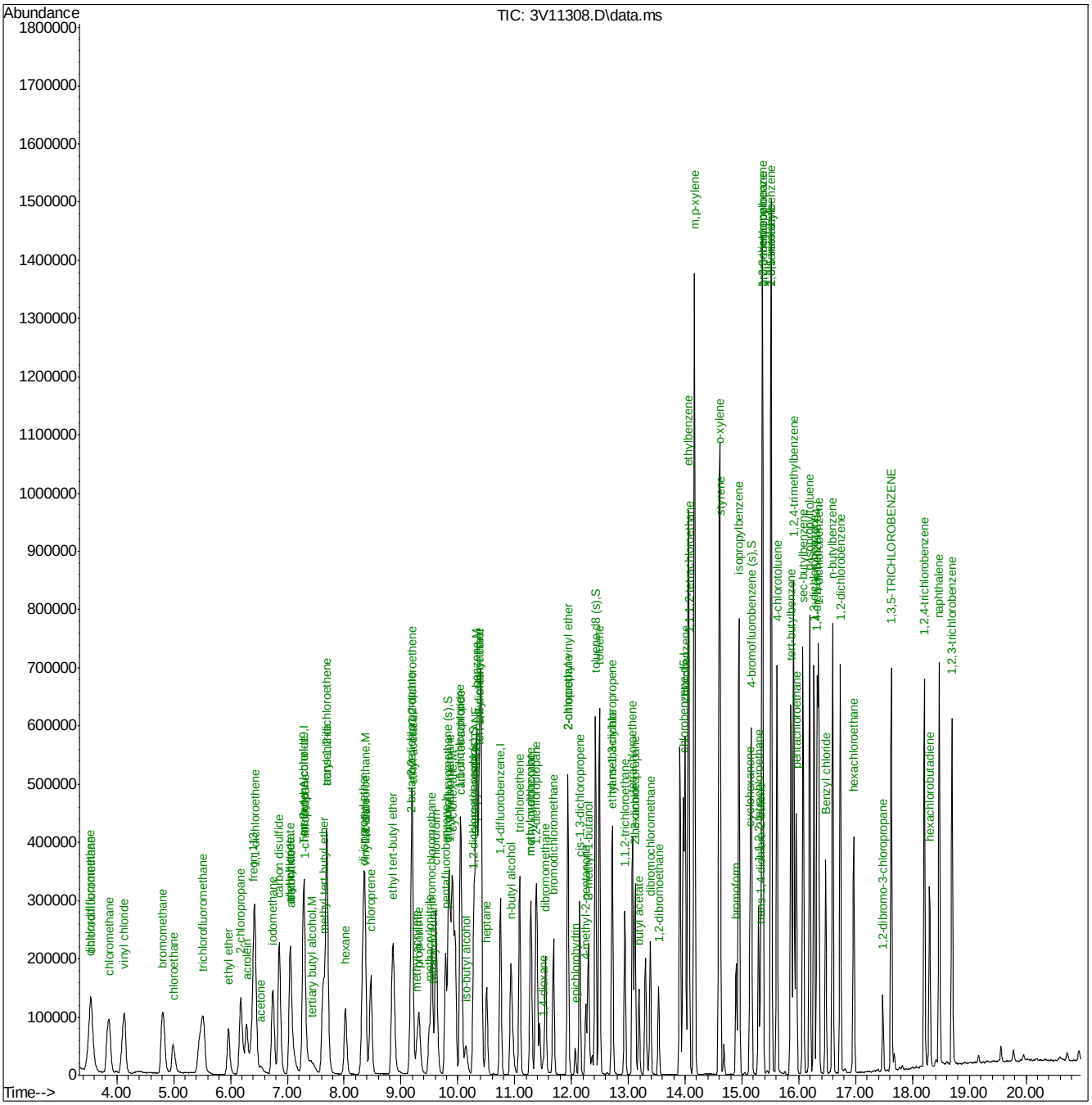
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	572344	53.91	ug/L	98
96) bromobenzene	15.359	156	153775	52.51	ug/L	97
97) cyclohexanone	15.144	55	130681	316.70	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	160398	58.49	ug/L	99
99) trans-1,4-dichloro-2-b...	15.328	53	34204	55.85	ug/L	88
100) 1,2,3-trichloropropane	15.359	110	33392	56.55	ug/L	98
101) n-propylbenzene	15.364	91	657867	51.38	ug/L	100
102) 2-chlorotoluene	15.511	126	145347	52.80	ug/L	96
103) 4-chlorotoluene	15.616	91	406297	51.21	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	480288	52.18	ug/L	100
105) tert-butylbenzene	15.862	119	354275	46.78	ug/L	99
106) pentachloroethane	15.957	167	97325	49.32	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	487751	50.10	ug/L	98
108) sec-butylbenzene	16.072	105	571680	45.28	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	292802	47.22	ug/L	99
110) p-isopropyltoluene	16.193	119	486007	46.54	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	289722	46.29	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	292437	47.75	ug/L	99
113) n-butylbenzene	16.596	92	245391	41.13	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	31482	51.24	ug/L	96
115) 1,3,5-TRICHLOROBENZENE	17.624	180	228040	37.21	ug/L	100
116) 1,2,4-trichlorobenzene	18.206	180	211503	36.85	ug/L	98
117) hexachlorobutadiene	18.300	225	71175	23.82	ug/L	98
118) naphthalene	18.468	128	530677	46.40	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	198457	36.99	ug/L	100
120) hexachloroethane	16.969	119	94112	41.71	ug/L	98
121) Benzyl chloride	16.471	91	262412	48.35	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11308.D
Acq On : 30 May 2014 2:20 pm
Operator : thienn
Sample : jb67667-1ms
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 03 17:18:22 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 : 3V11309.D
Acq On : 30 May 2014 2:46 pm
Operator : thienn
Sample : jb67667-1msd
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 03 17:18:44 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	127574	500.00	ug/L	0.00
5) pentafluorobenzene	9.786	168	206674	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	312832	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	284237	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	175494	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	139820	53.47	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 106.94%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	117696	51.40	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 102.80%			
71) toluene-d8 (s)	12.418	98	454944	58.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 117.44%			
95) 4-bromofluorobenzene (s)	15.165	95	183447	59.62	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.24%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.505	88	40726	1252.45	ug/L	98
4) tertiary butyl alcohol	7.453	59	85300	249.62	ug/L	97
6) chlorodifluoromethane	3.557	51	186507	46.75	ug/L	99
7) dichlorodifluoromethane	3.536	85	276809	50.42	ug/L	99
8) chloromethane	3.861	50	259203	54.85	ug/L	100
9) vinyl chloride	4.128	62	279416	54.93	ug/L	99
10) bromomethane	4.815	94	165321	51.19	ug/L	98
11) chloroethane	4.994	64	94231	56.13	ug/L	98
12) trichlorofluoromethane	5.513	101	279636	49.93	ug/L	99
13) ethyl ether	5.969	74	59840	57.60	ug/L	95
14) 2-chloropropane	6.184	43	226806	56.51	ug/L	97
15) acrolein	6.289	56	141954	341.68	ug/L	99
16) 1,1-dichloroethene	6.430	96	141458	50.55	ug/L	93
17) acetone	6.540	43	46581	63.68	ug/L	94
18) allyl chloride	7.054	76	63160	49.38	ug/L	96
19) acetonitrile	7.065	40	91474	506.18	ug/L	95
20) iodomethane	6.750	142	296801	50.79	ug/L	99
21) iso-butyl alcohol	10.142	41	38275	483.30	ug/L	97
22) carbon disulfide	6.865	76	539878	52.29	ug/L	100
23) methylene chloride	7.285	84	161564	49.18	ug/L	95
24) 1-chloropropane	7.306	42	215163	48.12	ug/L	100
25) methyl acetate	7.059	74	28776	98.55	ug/L	96
26) methyl tert butyl ether	7.641	73	384114	57.08	ug/L	98
27) trans-1,2-dichloroethene	7.699	96	142945	48.28	ug/L	97
28) di-isopropyl ether	8.333	45	370620	52.42	ug/L	94
29) ethyl tert-butyl ether	8.858	59	366718	51.71	ug/L	98
30) 2-butanone	9.183	72	12627	54.81	ug/L	39
31) 1,1-dichloroethane	8.365	63	255317	56.30	ug/L	99
32) chloroprene	8.475	53	141295	47.23	ug/L	99
33) acrylonitrile	7.699	53	188835	283.40	ug/L	99
34) vinyl acetate	8.370	86	4949	19.23	ug/L #	7
35) ethyl acetate	9.204	45	7478	32.90	ug/L #	1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11309.D
Acq On : 30 May 2014 2:46 pm
Operator : thienn
Sample : jb67667-1msd
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 03 17:18:44 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	241622	52.67	ug/L		98
37) cis-1,2-dichloroethene	9.198	96	153544	45.48	ug/L		98
38) propionitrile	9.319	54	160963	546.94	ug/L		96
39) methyl acrylate	9.282	55	101100	52.52	ug/L	#	98
40) bromochloromethane	9.545	128	71486	51.34	ug/L		93
41) tetrahydrofuran	9.571	42	31780	51.70	ug/L		96
42) chloroform	9.618	83	240796	48.89	ug/L		99
45) freon 113	6.409	151	109145	43.72	ug/L		100
46) methacrylonitrile	9.497	41	51077	53.49	ug/L		95
47) 1,1,1-trichloroethane	9.854	97	234169	51.08	ug/L		98
48) tert-amyl methyl ether	10.373	73	354217	50.00	ug/L		96
50) epichlorohydrin	12.066	57	41207	236.35	ug/L		99
51) n-butyl alcohol	10.934	56	185056	2635.16	ug/L		100
52) cyclohexane	9.912	84	195868	48.01	ug/L		98
53) carbon tetrachloride	10.064	117	205923	49.80	ug/L		100
54) 1,1-dichloropropene	10.048	75	166376	51.22	ug/L		99
55) hexane	8.024	57	95235	36.84	ug/L		99
56) ISOOCTANE	10.310	57	223303	24.25	ug/L		95
57) benzene	10.331	78	505873	51.89	ug/L		99
58) heptane	10.504	57	43483	27.58	ug/L		98
59) isopropyl acetate	10.294	43	153797	33.42	ug/L		93
60) 1,2-dichloroethane	10.378	62	137716	50.36	ug/L		99
61) trichloroethene	11.091	95	125453	49.29	ug/L		99
63) 2-nitropropane	11.935	43	155184	47.69	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	230351	257.70	ug/L		99
65) methyl methacrylate	11.285	41	58242	36.05	ug/L		98
66) 1,2-dichloropropane	11.374	63	126853	54.11	ug/L		96
67) methylcyclohexane	11.290	83	152004	36.21	ug/L		99
68) dibromomethane	11.542	93	73930	50.17	ug/L		99
69) bromodichloromethane	11.684	83	158798	50.94	ug/L		98
70) cis-1,3-dichloropropene	12.145	75	177942	51.33	ug/L		98
72) 4-methyl-2-pentanone	12.250	58	40404	56.11	ug/L		99
73) toluene	12.491	92	269647	47.38	ug/L		98
74) 3-methyl-1-butanol	12.297	70	64683	1056.01	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	147825	50.13	ug/L		96
76) ethyl methacrylate	12.711	69	91936	41.85	ug/L		97
77) 1,1,2-trichloroethane	12.942	83	83389	52.33	ug/L		99
78) 2-hexanone	13.115	58	34839	52.98	ug/L		96
80) tetrachloroethene	13.078	166	127828	48.46	ug/L		99
81) 1,3-dichloropropane	13.120	76	144925	54.30	ug/L		99
82) butyl acetate	13.188	56	33453	30.40	ug/L		96
83) dibromochloromethane	13.388	129	122809	50.27	ug/L		100
84) 1,2-dibromoethane	13.534	107	99814	52.32	ug/L		98
86) chlorobenzene	14.001	112	309450	48.30	ug/L		100
87) 1,1,1,2-tetrachloroethane	14.069	131	130934	49.88	ug/L		99
88) ethylbenzene	14.054	91	528582	47.34	ug/L		99
89) m,p-xylene	14.164	106	404347	92.40	ug/L		99
90) o-xylene	14.599	106	209768	49.36	ug/L		100
91) styrene	14.615	104	320586	49.42	ug/L		99
92) bromoform	14.898	173	87259	48.91	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11309.D
Acq On : 30 May 2014 2:46 pm
Operator : thienn
Sample : jb67667-1msd
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 03 17:18:44 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

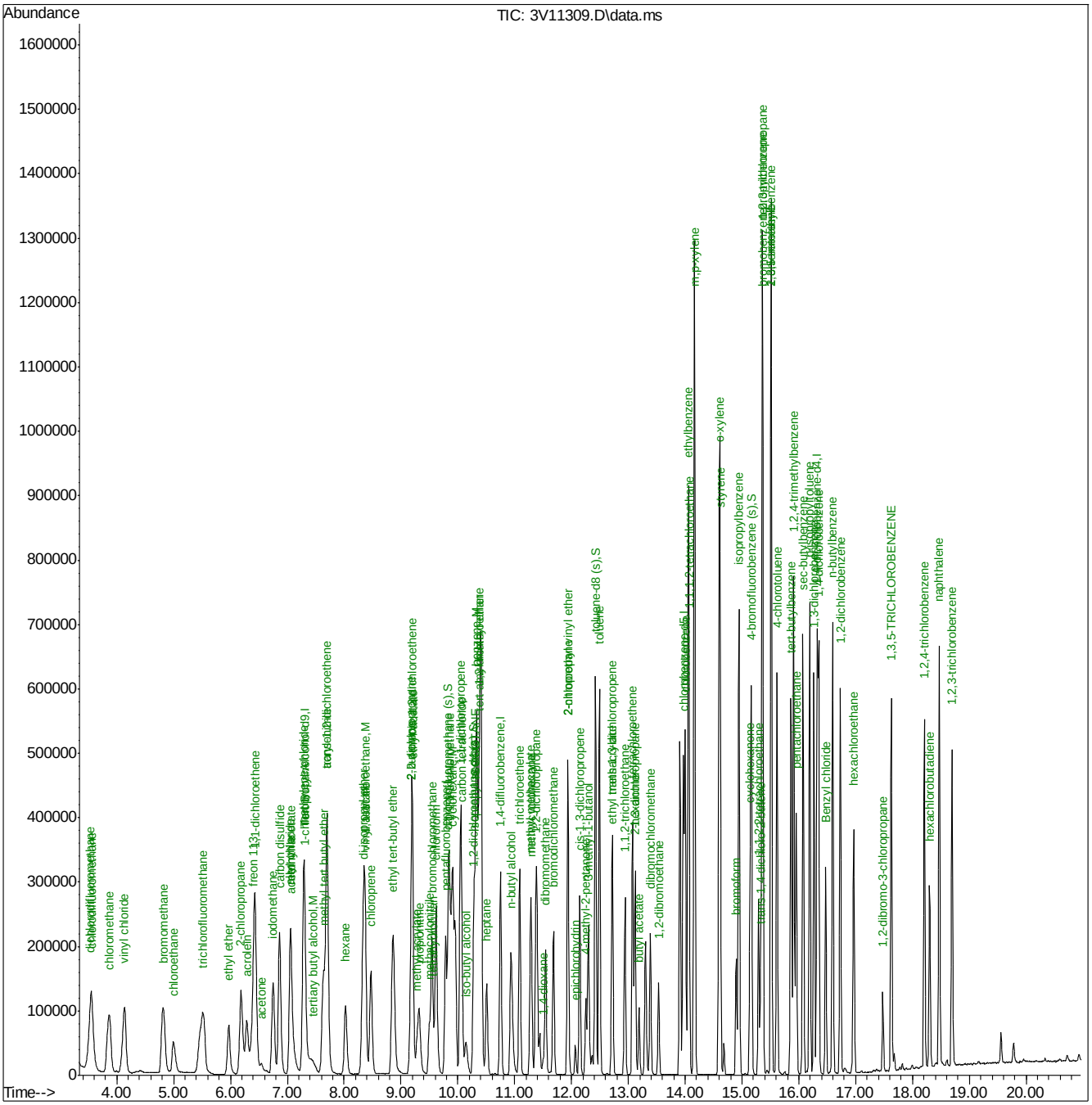
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	526478	47.46	ug/L	98
96) bromobenzene	15.359	156	142295	46.51	ug/L	99
97) cyclohexanone	15.144	55	127522	295.79	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	150967	52.69	ug/L	99
99) trans-1,4-dichloro-2-b...	15.328	53	30219	47.22	ug/L	90
100) 1,2,3-trichloropropane	15.364	110	32136	52.08	ug/L	100
101) n-propylbenzene	15.364	91	600664	44.90	ug/L	100
102) 2-chlorotoluene	15.516	126	131885	45.85	ug/L	99
103) 4-chlorotoluene	15.616	91	364740	44.00	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	434347	45.16	ug/L	100
105) tert-butylbenzene	15.862	119	322567	40.77	ug/L	99
106) pentachloroethane	15.957	167	88260	42.81	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	442315	43.48	ug/L	99
108) sec-butylbenzene	16.072	105	519543	39.38	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	260302	40.18	ug/L	99
110) p-isopropyltoluene	16.193	119	441939	40.50	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	259574	39.69	ug/L	100
112) 1,2-dichlorobenzene	16.733	146	258796	40.44	ug/L	99
113) n-butylbenzene	16.596	92	218842	35.11	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	28927	45.06	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	195573	30.54	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	175727	29.31	ug/L	98
117) hexachlorobutadiene	18.300	225	63949	20.48	ug/L	99
118) naphthalene	18.468	128	502062	42.01	ug/L	99
119) 1,2,3-trichlorobenzene	18.694	180	161989	28.90	ug/L	99
120) hexachloroethane	16.969	119	85211	36.14	ug/L	98
121) Benzyl chloride	16.471	91	228698	40.33	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11309.D
Acq On : 30 May 2014 2:46 pm
Operator : thienn
Sample : jb67667-1msd
Misc : MS68070,V3V479,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 03 17:18:44 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

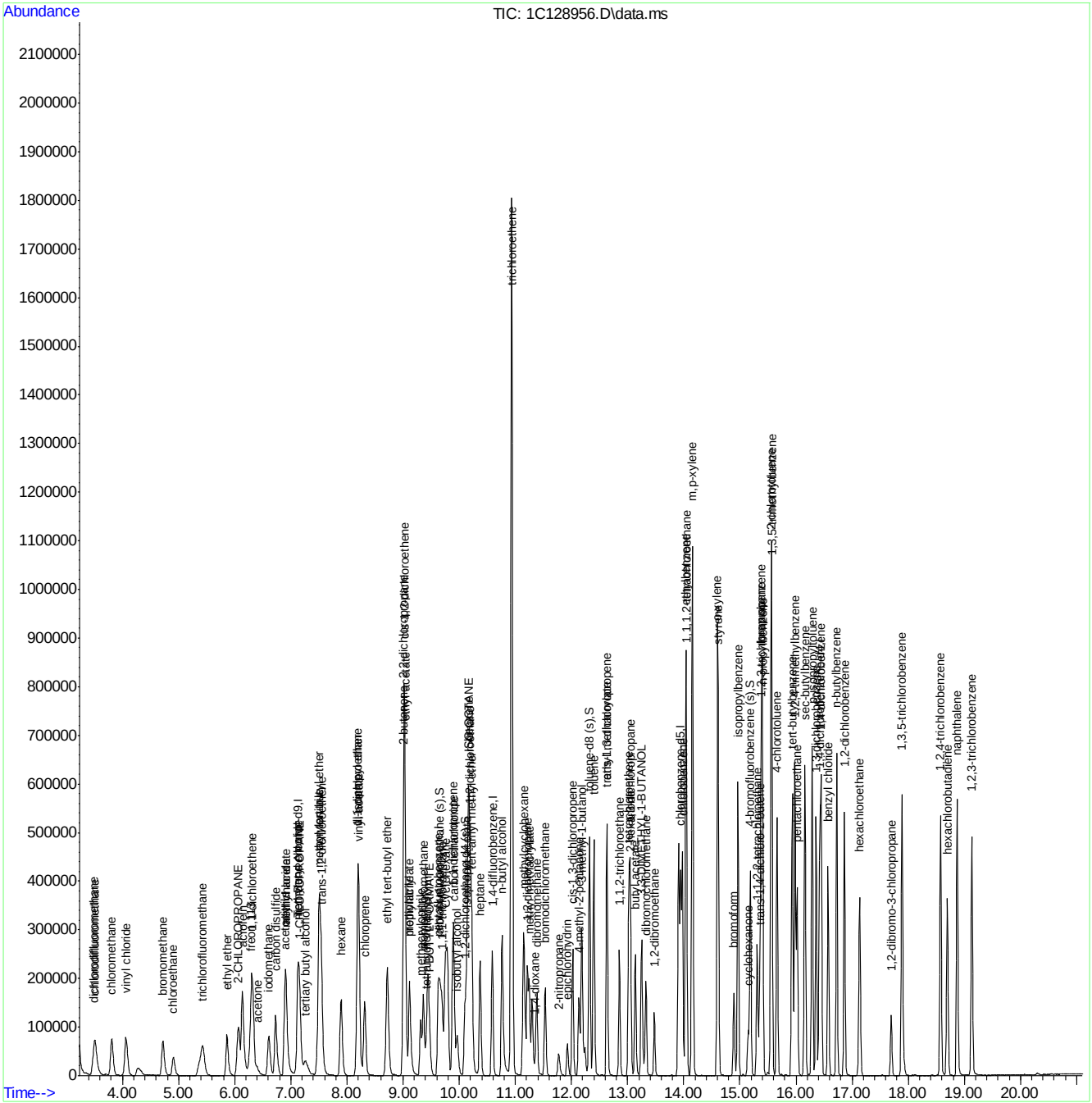
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.893	173	95575	47.53	ug/L	96
104) isopropylbenzene	14.966	105	461832	45.53	ug/L	99
106) cyclohexanone	15.150	55	48783	239.17	ug/L	98
107) bromobenzene	15.385	156	133960	48.95	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.306	83	161259	44.50	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



ACCUTEST LABORATORIES JB67976

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

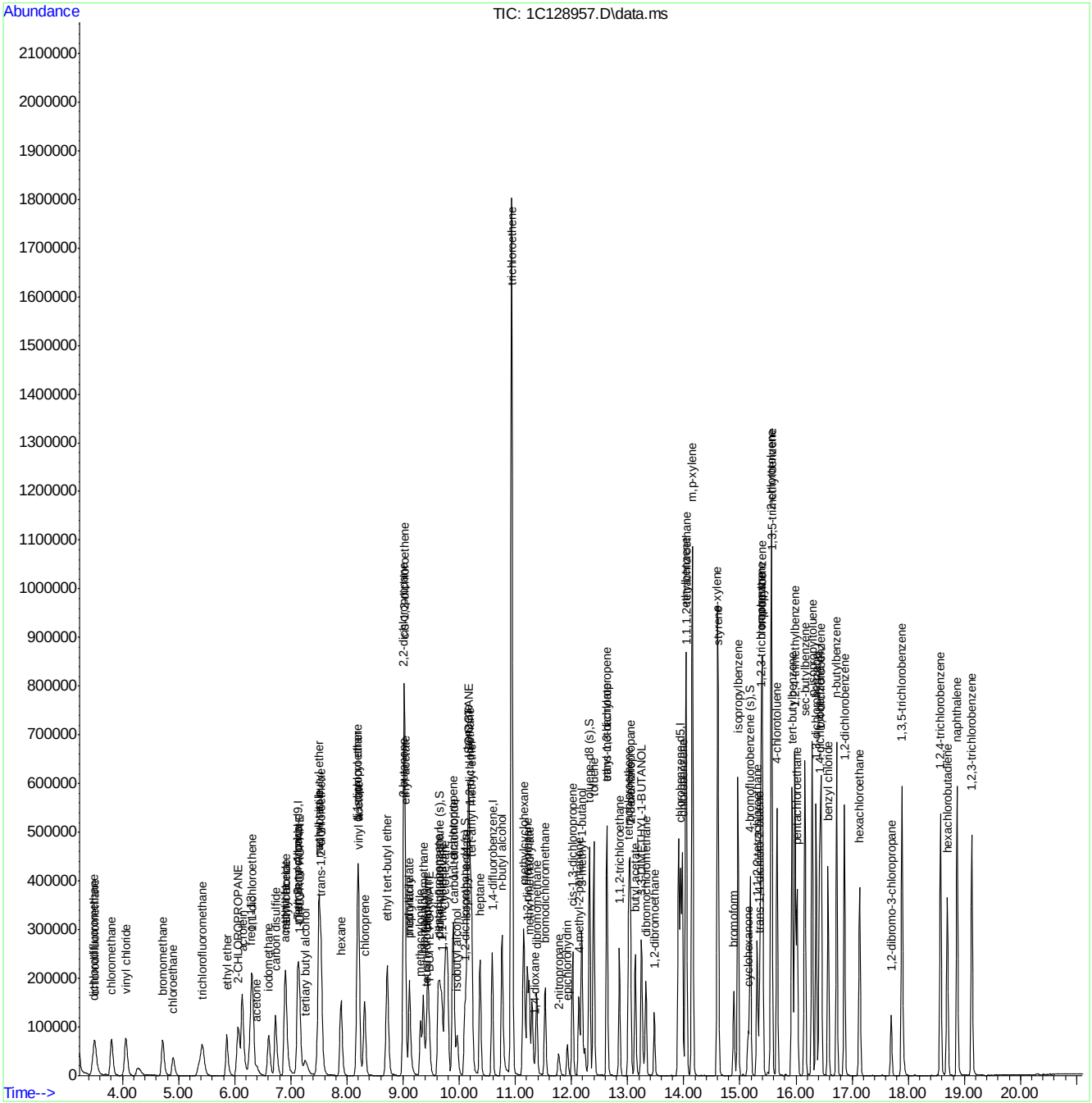
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.893	173	96228	49.62	ug/L	100
104) isopropylbenzene	14.967	105	467655	47.78	ug/L	99
106) cyclohexanone	15.150	55	48053	244.11	ug/L	95
107) bromobenzene	15.385	156	135467	51.30	ug/L	96
108) 1,1,2,2-tetrachloroethane	15.306	83	163046	46.62	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 File : C:\MSDCHEM\1\DATA\2B119927.D Vial: 12
Acq On : 6 Jun 2014 3:21 pm Operator: payalr
Sample : jb67972-3ms Inst : MS2B
Misc : MS68306,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 15:46:43 2014 Quant Results File: M2B5440.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	158491	500.00	ug/L	0.01
5) pentafluorobenzene	10.82	168	303371	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	333950	50.00	ug/L	0.00
90) chlorobenzene-d5	14.72	117	275886	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	155419	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	116901	49.13	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.26%			
52) 1,2-dichloroethane-d4 (s)	11.26	65	111597	49.55	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 99.10%			
82) toluene-d8 (s)	13.32	98	364327	53.71	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 107.42%			
108) 4-bromofluorobenzene (s)	15.79	95	127348	53.97	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 107.94%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.51	59	94033	239.90	ug/L	79
4) 1,4-dioxane	12.43	88	41942	1134.98	ug/L	90
9) chlorodifluoromethane	4.48	51	149754	45.09	ug/L	99
10) dichlorodifluoromethane	4.47	85	205199	48.35	ug/L	98
12) chloromethane	4.87	50	252885	47.58	ug/L	99
13) vinyl chloride	5.18	62	254264	48.24	ug/L	100
15) bromomethane	5.91	94	155092	47.31	ug/L	98
16) chloroethane	6.09	64	102599	50.26	ug/L	99
18) trichlorofluoromethane	6.69	101	255374	50.84	ug/L	98
20) ethyl ether	7.14	74	72887	55.74	ug/L	88
21) acrolein	7.37	56	311547	526.23	ug/L	97
22) 2-chloropropane	7.33	43	248231	48.70	ug/L	99
24) 1,1-dichloroethene	7.60	96	134639	48.19	ug/L	98
25) acetone	7.64	43	46555	52.06	ug/L	98
26) allyl chloride	8.20	76	65449	50.52	ug/L	93
27) acetonitrile	8.11	40	91198	457.59	ug/L	98
28) iodomethane	7.89	142	293171	51.78	ug/L	98
29) iso-butyl alcohol	11.11	74	15058	523.07	ug/L	96
30) carbon disulfide	8.04	76	524453	49.19	ug/L	99
31) methylene chloride	8.39	84	154926	49.31	ug/L	100
32) methyl acetate	8.19	74	21405	51.97	ug/L	95
33) 1-chloropropane	8.45	42	233535	50.96	ug/L	96
34) methyl tert butyl ether	8.82	73	454638	53.51	ug/L	98
35) trans-1,2-dichloroethene	8.83	96	125787	49.02	ug/L	100
36) di-isopropyl ether	9.50	45	443009	48.82	ug/L	99
37) 2-butanone	10.21	72	17414	59.48	ug/L	92
38) 1,1-dichloroethane	9.45	63	229688	51.00	ug/L	98
39) chloroprene	9.58	53	139943	44.63	ug/L	99
40) acrylonitrile	8.73	53	285827	274.61	ug/L	98
41) vinyl acetate	9.45	86	18382	49.73	ug/L	82
42) ethyl tert-butyl ether	10.00	59	448486	48.92	ug/L	98
43) ethyl acetate	10.26	45	15515	50.25	ug/L	88
44) 2,2-dichloropropane	10.28	77	215214	53.29	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119927.D Vial: 12
Acq On : 6 Jun 2014 3:21 pm Operator: payalr
Sample : jb67972-3ms Inst : MS2B
Misc : MS68306,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 15:46:43 2014 Quant Results File: M2B5440.RES

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

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
45)	cis-1,2-dichloroethene	10.24	96	142364	50.47	ug/L	98
46)	propionitrile	10.28	54	216458	533.50	ug/L	98
47)	bromochloromethane	10.56	128	72107	51.70	ug/L	97
48)	tetrahydrofuran	10.63	42	43122	55.18	ug/L	96
49)	chloroform	10.63	83	209593	49.31	ug/L	99
50)	t-butyl formate	10.71	59	96428	43.41	ug/L	98
53)	freon 113	7.63	151	117091	48.25	ug/L	95
54)	methacrylonitrile	10.50	41	76753	54.35	ug/L	98
55)	1,1,1-trichloroethane	10.93	97	203801	50.51	ug/L	99
56)	Cyclohexane	11.03	84	218105	53.19	ug/L	98
61)	epichlorohydrin	12.92	57	51067	248.22	ug/L	99
62)	n-butyl alcohol	11.84	56	200166	2506.58	ug/L	96
63)	carbon tetrachloride	11.15	117	177196	49.66	ug/L	97
64)	1,1-dichloropropene	11.11	75	137144	50.42	ug/L	99
65)	hexane	9.23	57	132503	49.47	ug/L	99
66)	benzene	11.37	78	432683	49.38	ug/L	99
67)	2,2,4-trimethylpentane	11.44	57	452939	52.29	ug/L	99
68)	tert-amyl methyl ether	11.44	73	400647	45.83	ug/L	100
69)	heptane	11.60	57	67020	51.60	ug/L	96
70)	isopropyl acetate	11.31	43	228134	51.13	ug/L	99
71)	1,2-dichloroethane	11.36	62	131590	50.82	ug/L	96
72)	trichloroethene	12.07	95	105061	52.25	ug/L	99
74)	2-nitropropane	13.13	46	7933	61.57	ug/L	97
75)	2-chloroethyl vinyl ether	12.82	63	14471	12.30	ug/L	97
76)	methyl methacrylate	12.34	100	26943	55.64	ug/L	91
77)	1,2-dichloropropane	12.32	63	110172	53.51	ug/L	99
78)	dibromomethane	12.45	93	67635	52.95	ug/L	99
79)	methylcyclohexane	12.32	83	225786	54.54	ug/L	100
80)	bromodichloromethane	12.58	83	137807	51.59	ug/L	99
81)	cis-1,3-dichloropropene	13.02	75	165871	54.86	ug/L	97
83)	4-methyl-2-pentanone	13.13	58	62579	61.70	ug/L	97
84)	toluene	13.39	92	280633	64.63	ug/L	98
85)	3-methyl-1-butanol	13.13	55	128925	1072.40	ug/L	95
86)	trans-1,3-dichloropropene	13.55	75	142084	53.44	ug/L	99
87)	ethyl methacrylate	13.57	69	139468	60.42	ug/L	98
88)	1,1,2-trichloroethane	13.74	83	77845	53.21	ug/L	95
89)	2-hexanone	13.92	58	47451	67.96	ug/L	91
92)	tetrachloroethene	13.94	164	88040	49.15	ug/L	99
93)	1,3-dichloropropane	13.92	76	142022	51.52	ug/L	97
94)	butyl acetate	14.00	56	75169	56.21	ug/L	99
95)	3,3-dimethyl-1-butanol	14.07	57	201145	550.05	ug/L	99
96)	dibromochloromethane	14.16	129	107919	48.66	ug/L	99
97)	1,2-dibromoethane	14.31	107	96593	52.25	ug/L	98
98)	chlorobenzene	14.75	112	260899	51.61	ug/L	100
99)	1,1,1,2-tetrachloroethane	14.80	131	125605	50.77	ug/L	99
100)	ethylbenzene	14.81	91	1002557	124.68	ug/L	99
101)	m,p-xylene	14.91	106	2561603	817.21	ug/L	89
102)	o-xylene	15.30	106	563972	157.40	ug/L	99
103)	styrene	15.30	104	259735	49.86	ug/L	70

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119927.D Vial: 12
Acq On : 6 Jun 2014 3:21 pm Operator: payalr
Sample : jb67972-3ms Inst : MS2B
Misc : MS68306,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 15:46:43 2014 Quant Results File: M2B5440.RES

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

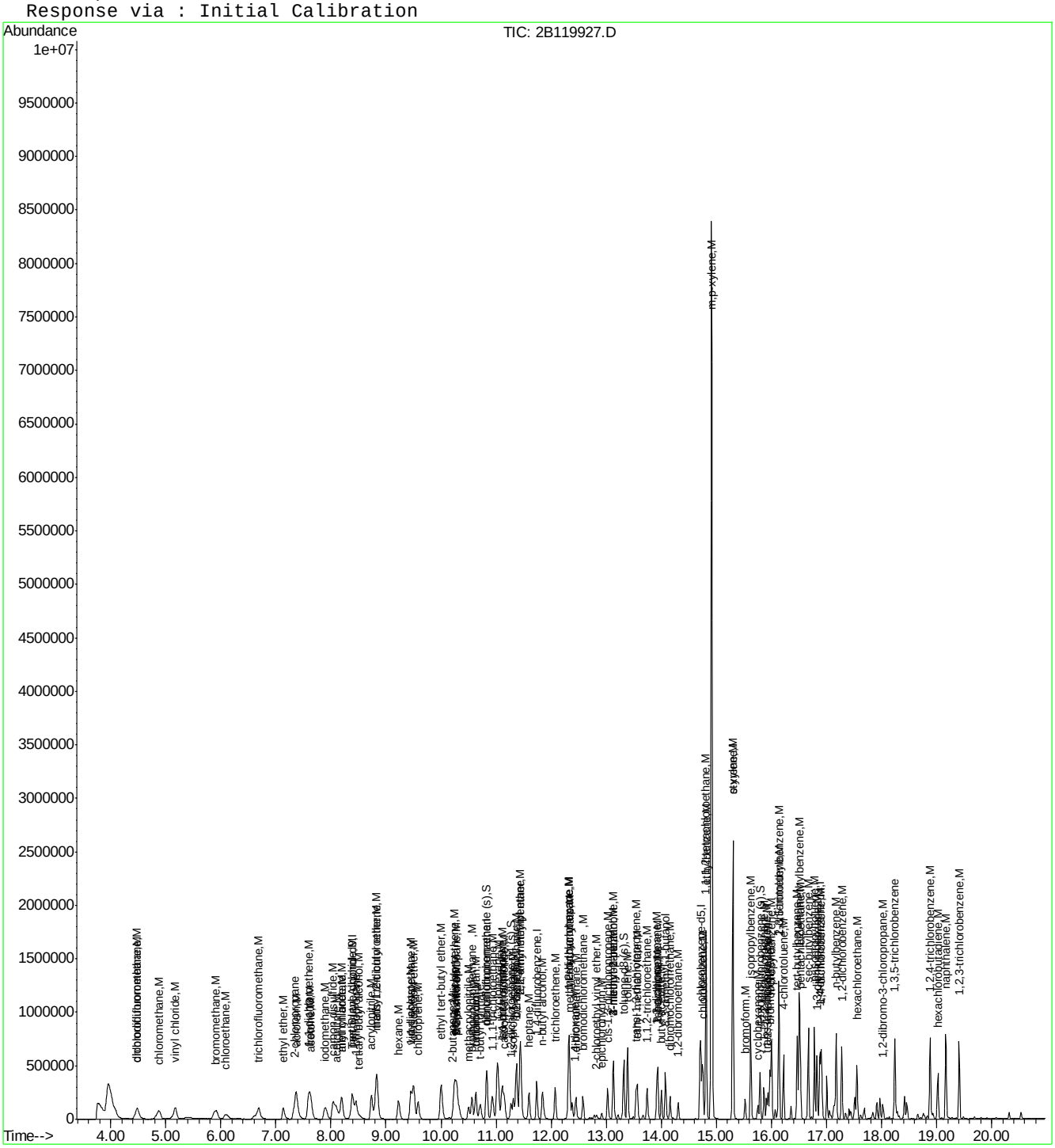
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.52	173	86772	49.62	ug/L	99
107) isopropylbenzene	15.62	105	558863	60.66	ug/L	99
109) cyclohexanone	15.75	98	22663	177.12	ug/L	87
110) bromobenzene	15.97	156	134467	53.30	ug/L	91
111) 1,1,2,2-tetrachloroethane	15.86	83	146127	50.55	ug/L	96
112) trans-1,4-dichloro-2-buten	15.91	53	30707	56.61	ug/L	98
113) 1,2,3-trichloropropane	15.94	110	33296	52.80	ug/L	99
114) n-propylbenzene	16.00	91	530249	56.07	ug/L	98
115) 2-chlorotoluene	16.13	126	121926	53.46	ug/L	98
116) 4-chlorotoluene	16.22	91	310315	52.73	ug/L	99
117) 1,3,5-trimethylbenzene	16.14	105	471547	62.80	ug/L	99
118) tert-butylbenzene	16.47	119	381179	44.22	ug/L	100
119) pentachloroethane	16.52	167	101651	49.34	ug/L	96
120) 1,2,4-trimethylbenzene	16.50	105	544053	73.73	ug/L	100
121) sec-butylbenzene	16.67	105	567097	52.26	ug/L	100
122) 1,3-dichlorobenzene	16.83	146	244587	49.96	ug/L	98
123) p-isopropyltoluene	16.78	119	469601	50.14	ug/L	99
124) 1,4-dichlorobenzene	16.91	146	242664	49.42	ug/L	99
125) 1,2-dichlorobenzene	17.28	146	267139	50.28	ug/L	99
126) n-butylbenzene	17.17	92	229266	54.32	ug/L	99
127) 1,2-dibromo-3-chloropropan	18.02	75	28248	50.31	ug/L	97
128) 1,3,5-trichlorobenzene	18.24	180	255601	48.96	ug/L	97
129) 1,2,4-trichlorobenzene	18.88	180	249481	48.71	ug/L	99
130) hexachlorobutadiene	19.02	225	105299	45.65	ug/L	97
131) naphthalene	19.17	128	633850	58.40	ug/L	100
132) 1,2,3-trichlorobenzene	19.41	180	250410	49.23	ug/L	99
133) hexachloroethane	17.55	201	97564	41.75	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119927.D Vial: 12
Acq On : 6 Jun 2014 3:21 pm Operator: payalr
Sample : jb67972-3ms Inst : MS2B
Misc : MS68306,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 16:04 2014 Quant Results File: M2B5440.RES

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5444-5445\
Data File : 2B119928.D
Acq On : 6 Jun 2014 3:52 pm
Operator : payalr
Sample : jb67972-3msd
Misc : MS68306,V2B5444,w,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 14:56:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.371	65	156061	500.00	ug/L	0.00
5) pentafluorobenzene	10.824	168	307609	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.737	114	342849	50.00	ug/L	0.00
90) chlorobenzene-d5	14.720	117	279578	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.880	152	158092	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.835	113	119890	49.69	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 99.38%			
52) 1,2-dichloroethane-d4 (s)	11.270	65	112616	49.31	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 98.62%			
82) toluene-d8 (s)	13.320	98	373391	53.62	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 107.24%			
108) 4-bromofluorobenzene (s)	15.795	95	131337	54.72	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 109.44%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.502	59	94562	245.01	ug/L	87
4) 1,4-dioxane	12.434	88	43425	1193.41	ug/L	93
9) chlorodifluoromethane	4.480	51	145804	43.30	ug/L	97
10) dichlorodifluoromethane	4.475	85	197323	45.85	ug/L	97
12) chloromethane	4.868	50	246990	45.83	ug/L	97
13) vinyl chloride	5.172	62	247272	46.27	ug/L	99
15) bromomethane	5.901	94	151124	45.47	ug/L	98
16) chloroethane	6.090	64	100430	48.52	ug/L	97
18) trichlorofluoromethane	6.693	101	246827	48.46	ug/L	99
20) ethyl ether	7.133	74	73904	55.74	ug/L	89
21) acrolein	7.369	56	306660	510.84	ug/L	97
22) 2-chloropropane	7.333	43	242038	46.83	ug/L	97
24) 1,1-dichloroethene	7.605	96	133156	47.01	ug/L	99
25) acetone	7.642	43	46894	51.72	ug/L	94
26) allyl chloride	8.198	76	62153	47.31	ug/L	93
27) acetonitrile	8.109	40	88238	436.64	ug/L	98
28) iodomethane	7.894	142	289643	50.45	ug/L	98
29) iso-butyl alcohol	11.108	74	15041	515.28	ug/L	95
30) carbon disulfide	8.046	76	507903	46.99	ug/L	99
31) methylene chloride	8.386	84	154422	48.47	ug/L	99
32) methyl acetate	8.182	74	20765	49.72	ug/L	96
33) 1-chloropropane	8.455	42	227021	48.86	ug/L	96
34) methyl tert butyl ether	8.822	73	457314	53.08	ug/L	94
35) trans-1,2-dichloroethene	8.832	96	124590	47.88	ug/L	97
36) di-isopropyl ether	9.498	45	446850	48.56	ug/L	99
37) 2-butanone	10.216	72	17449	58.78	ug/L	92
38) 1,1-dichloroethane	9.451	63	228526	50.04	ug/L	96
39) chloroprene	9.587	53	138291	43.50	ug/L	97
40) acrylonitrile	8.738	53	281836	267.04	ug/L	98
41) vinyl acetate	9.456	86	18446	49.22	ug/L	97
42) ethyl tert-butyl ether	10.001	59	454619	48.91	ug/L	99
43) ethyl acetate	10.258	45	16734	53.45	ug/L	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5444-5445\
Data File : 2B119928.D
Acq On : 6 Jun 2014 3:52 pm
Operator : payalr
Sample : jb67972-3msd
Misc : MS68306,V2B5444,w,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 14:56:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,2-dichloropropane	10.279	77	208339	50.87	ug/L		99
45)	cis-1,2-dichloroethene	10.242	96	143324	50.11	ug/L		99
46)	propionitrile	10.290	54	216183	525.48	ug/L		98
47)	bromochloromethane	10.562	128	73305	51.83	ug/L		98
48)	tetrahydrofuran	10.630	42	42122	53.16	ug/L		99
49)	chloroform	10.630	83	210395	48.82	ug/L		100
50)	t-butyl formate	10.709	59	67860	30.13	ug/L		95
53)	freon 113	7.626	151	114434	46.50	ug/L		96
54)	methacrylonitrile	10.499	41	75656	52.83	ug/L		99
55)	1,1,1-trichloroethane	10.935	97	199725	48.82	ug/L		97
56)	Cyclohexane	11.034	84	214087	51.49	ug/L		93
61)	epichlorohydrin	12.922	57	48122	227.84	ug/L		98
62)	n-butyl alcohol	11.842	56	205770	2509.88	ug/L		99
63)	carbon tetrachloride	11.150	117	174093	47.52	ug/L		96
64)	1,1-dichloropropene	11.113	75	140393	50.28	ug/L		99
65)	hexane	9.231	57	131174	47.70	ug/L		99
66)	benzene	11.375	78	435280	48.39	ug/L		98
67)	2,2,4-trimethylpentane	11.443	57	452154	50.84	ug/L		99
68)	tert-amyl methyl ether	11.443	73	401191	44.70	ug/L		99
69)	heptane	11.600	57	68426	51.31	ug/L		99
70)	isopropyl acetate	11.312	43	231054	50.44	ug/L		98
71)	1,2-dichloroethane	11.359	62	133552	50.24	ug/L		97
72)	trichloroethene	12.072	95	107504	52.08	ug/L		98
74)	2-nitropropane	13.126	46	7648	57.82	ug/L	#	88
75)	2-chloroethyl vinyl ether	12.916	63	1695	1.40	ug/L		66
76)	methyl methacrylate	12.334	100	27096	54.50	ug/L	#	78
77)	1,2-dichloropropane	12.319	63	112701	53.31	ug/L		96
78)	dibromomethane	12.450	93	68556	52.28	ug/L		99
79)	methylcyclohexane	12.324	83	222403	52.33	ug/L		99
80)	bromodichloromethane	12.581	83	143960	52.49	ug/L		98
81)	cis-1,3-dichloropropene	13.021	75	169427	54.59	ug/L		99
83)	4-methyl-2-pentanone	13.131	58	62912	60.42	ug/L		99
84)	toluene	13.388	92	285184	63.98	ug/L		97
85)	3-methyl-1-butanol	13.131	55	132784	1075.82	ug/L		98
86)	trans-1,3-dichloropropene	13.546	75	144316	52.87	ug/L		99
87)	ethyl methacrylate	13.567	69	142292	60.04	ug/L		97
88)	1,1,2-trichloroethane	13.745	83	78887	52.52	ug/L		99
89)	2-hexanone	13.923	58	48518	67.68	ug/L		98
92)	tetrachloroethene	13.939	164	89482	49.29	ug/L		99
93)	1,3-dichloropropane	13.918	76	146584	52.47	ug/L		98
94)	butyl acetate	14.002	56	75250	55.53	ug/L		92
95)	3,3-dimethyl-1-butanol	14.075	57	203607	549.46	ug/L		99
96)	dibromochloromethane	14.159	129	109838	48.88	ug/L		100
97)	1,2-dibromoethane	14.306	107	99013	52.86	ug/L		96
98)	chlorobenzene	14.751	112	264661	51.66	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.804	131	126963	50.64	ug/L		95
100)	ethylbenzene	14.814	91	1011316	124.11	ug/L		99
101)	m,p-xylene	14.914	106	2575714	810.86	ug/L		89
102)	o-xylene	15.302	106	570299	157.06	ug/L		99
103)	styrene	15.302	104	259352	49.13	ug/L		71

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5444-5445\
Data File : 2B119928.D
Acq On : 6 Jun 2014 3:52 pm
Operator : payalr
Sample : jb67972-3msd
Misc : MS68306,V2B5444,w,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 14:56:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration

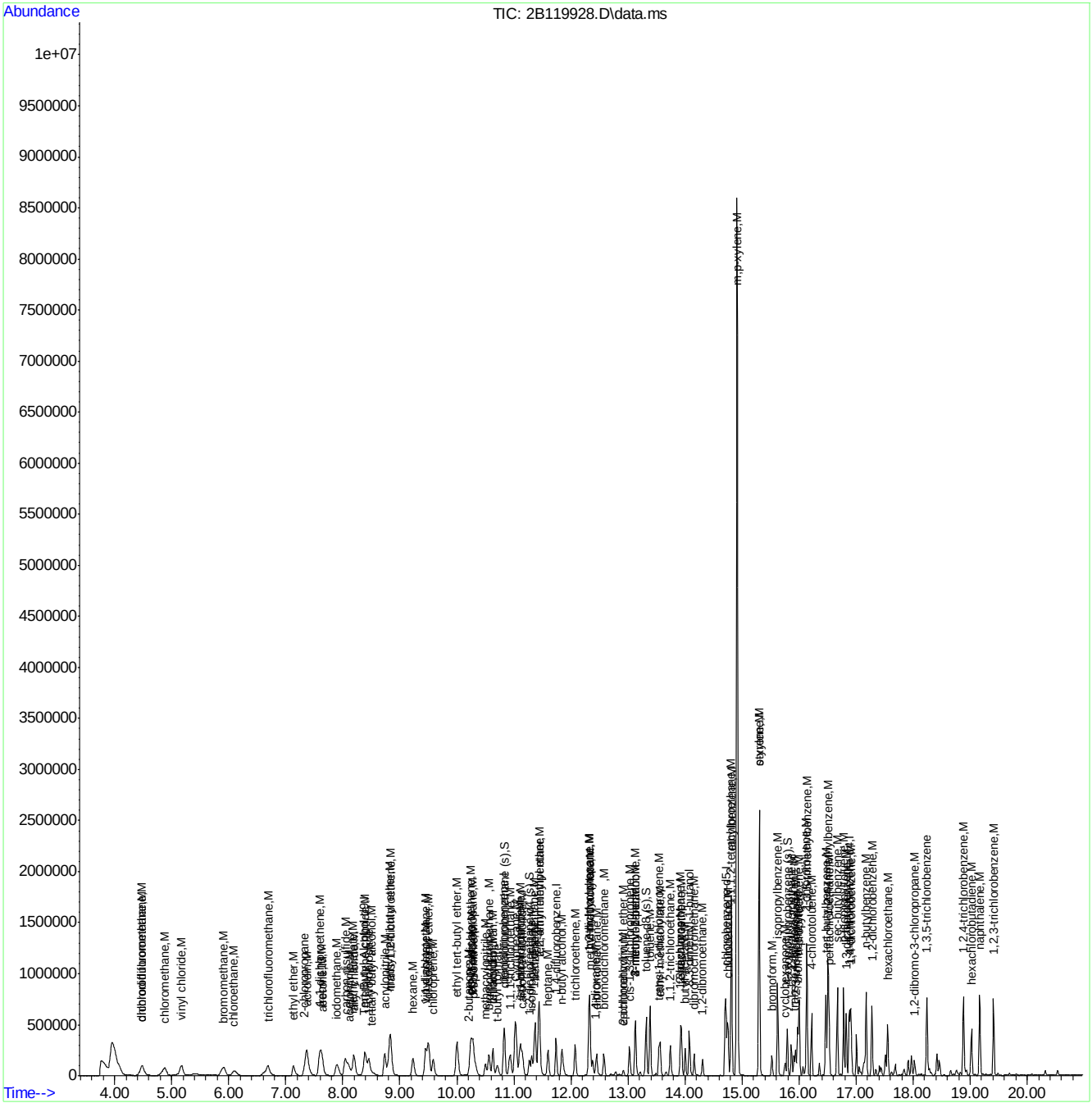
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) bromoform	15.522	173	88409	49.89	ug/L	98
107) isopropylbenzene	15.622	105	561788	59.94	ug/L	100
109) cyclohexanone	15.753	98	23040	177.02	ug/L	97
110) bromobenzene	15.973	156	137929	53.75	ug/L	92
111) 1,1,2,2-tetrachloroethane	15.863	83	149637	50.88	ug/L	97
112) trans-1,4-dichloro-2-b...	15.910	53	30966	56.12	ug/L	90
113) 1,2,3-trichloropropane	15.942	110	34189	53.30	ug/L	100
114) n-propylbenzene	15.999	91	531696	55.27	ug/L	98
115) 2-chlorotoluene	16.130	126	122910	52.98	ug/L	96
116) 4-chlorotoluene	16.220	91	316958	52.95	ug/L	99
117) 1,3,5-trimethylbenzene	16.141	105	472885	61.91	ug/L	99
118) tert-butylbenzene	16.471	119	378930	43.28	ug/L	100
119) pentachloroethane	16.524	167	103332	49.31	ug/L	97
120) 1,2,4-trimethylbenzene	16.503	105	538228	71.71	ug/L	100
121) sec-butylbenzene	16.670	105	563954	51.09	ug/L	100
122) 1,3-dichlorobenzene	16.828	146	253502	50.91	ug/L	98
123) p-isopropyltoluene	16.781	119	468299	49.16	ug/L	99
124) 1,4-dichlorobenzene	16.906	146	247953	49.64	ug/L	99
125) 1,2-dichlorobenzene	17.279	146	275352	50.95	ug/L	99
126) n-butylbenzene	17.174	92	234707	54.67	ug/L	99
127) 1,2-dibromo-3-chloropr...	18.023	75	29367	51.42	ug/L	93
128) 1,3,5-trichlorobenzene	18.238	180	264605	49.83	ug/L	94
129) 1,2,4-trichlorobenzene	18.883	180	261329	50.16	ug/L	97
130) hexachlorobutadiene	19.025	225	109870	46.82	ug/L	98
131) naphthalene	19.166	128	633320	57.37	ug/L	100
132) 1,2,3-trichlorobenzene	19.407	180	257619	49.79	ug/L	98
133) hexachloroethane	17.551	201	96938	40.88	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5444-5445\
Data File : 2B119928.D
Acq On : 6 Jun 2014 3:52 pm
Operator : payalr
Sample : jb67972-3msd
Misc : MS68306,V2B5444,w,,,,1
ALS Vial : 13 Sample Multiplier: 1

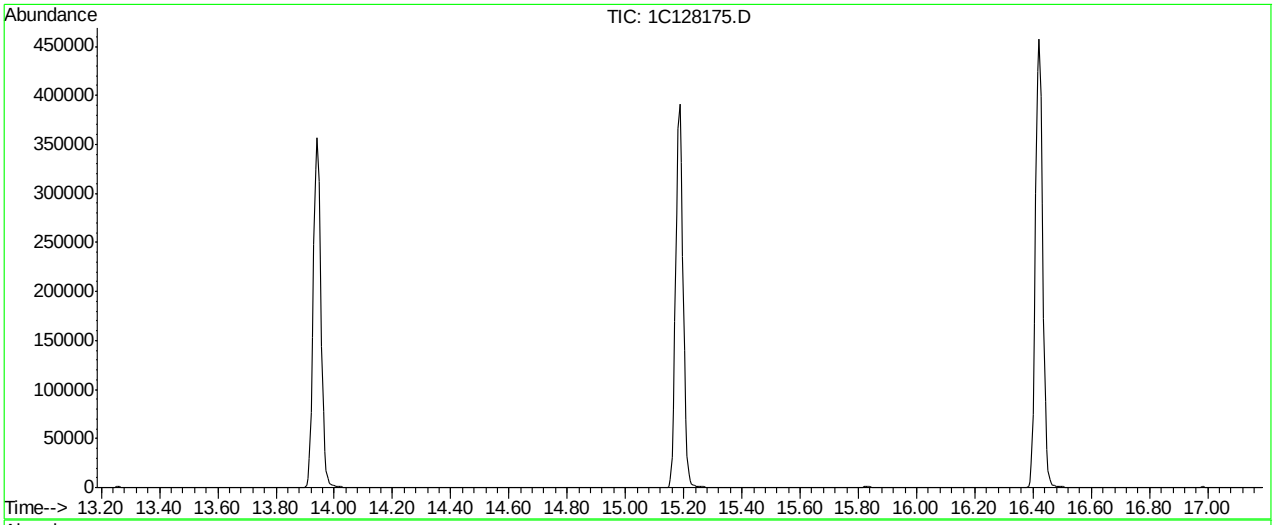
Quant Time: Jun 07 14:56:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration

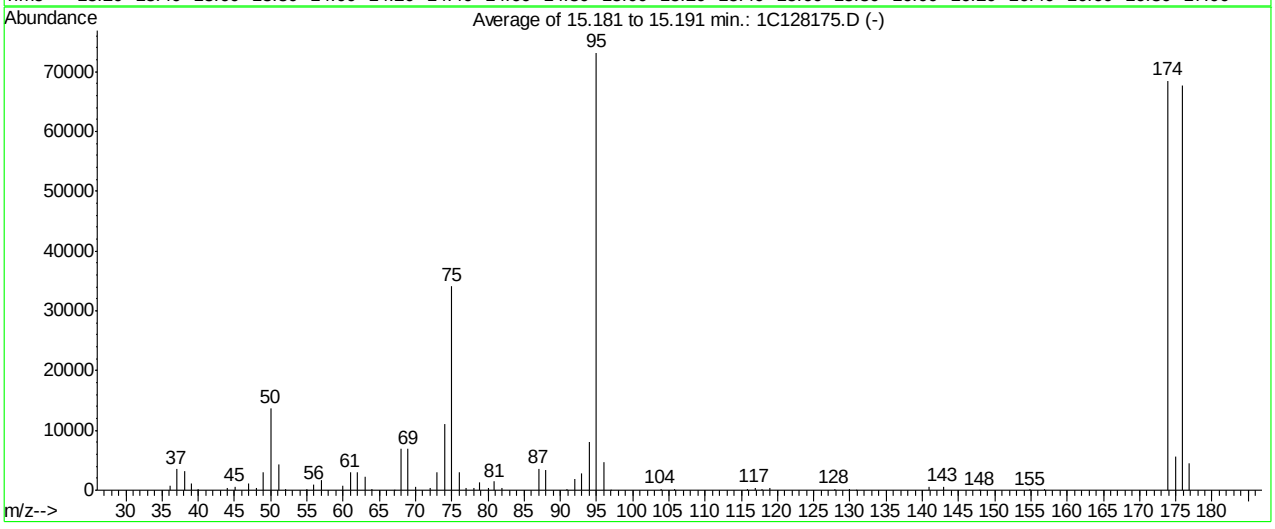


SW-846 Method 8260

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

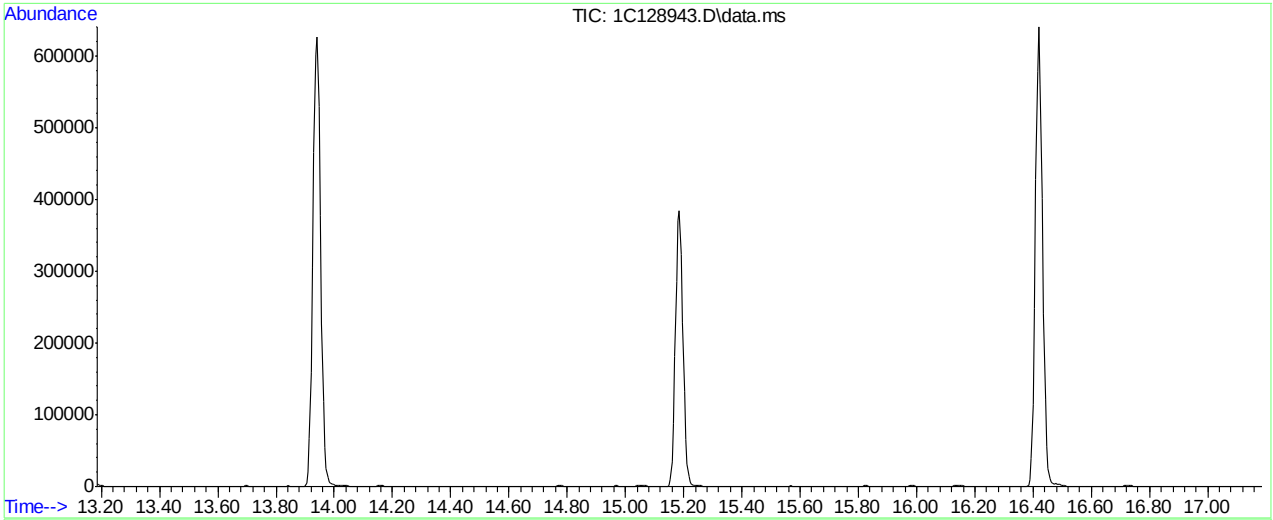
Average of 15.181 to 15.191 min.: 1C128175.D
bfb
Modified:subtracted

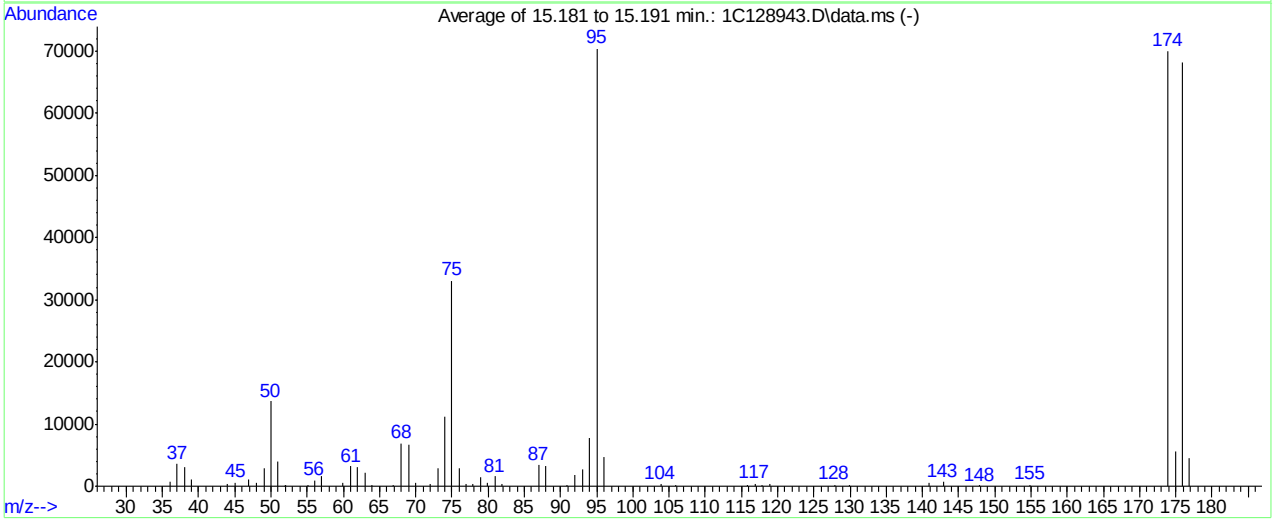
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	56	142.90	643				
103.90	262	147.90	60				
105.85	244	154.90	181				
115.90	247	156.90	105				
116.90	411	173.90	68458				
117.90	212	175.00	5576				
118.90	306	175.90	67693				
127.85	228	176.90	4516				
129.90	227						
130.90	52						
140.90	625						

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

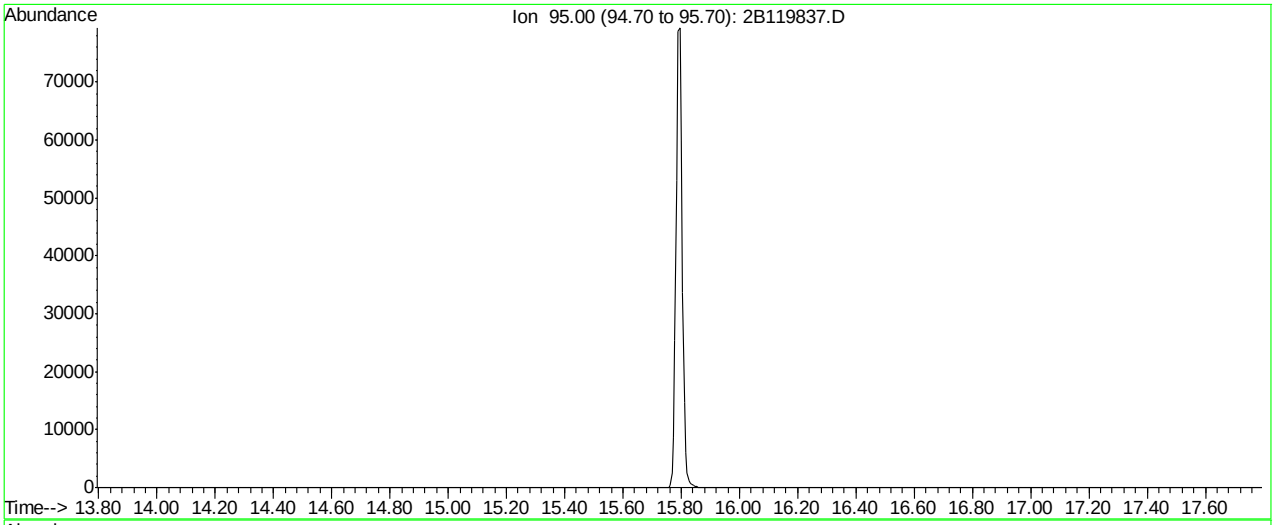
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	714	51.90	56	68.00	6944	79.95	495
37.00	3592	52.05	125	69.00	6742	80.90	1542
38.00	3109	55.05	138	70.00	566	81.90	346
39.05	1165	56.00	905	72.00	370	87.00	3417
43.90	307	57.00	1677	73.00	2916	87.95	3284
45.05	627	59.95	635	74.00	11160	90.90	158
46.95	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

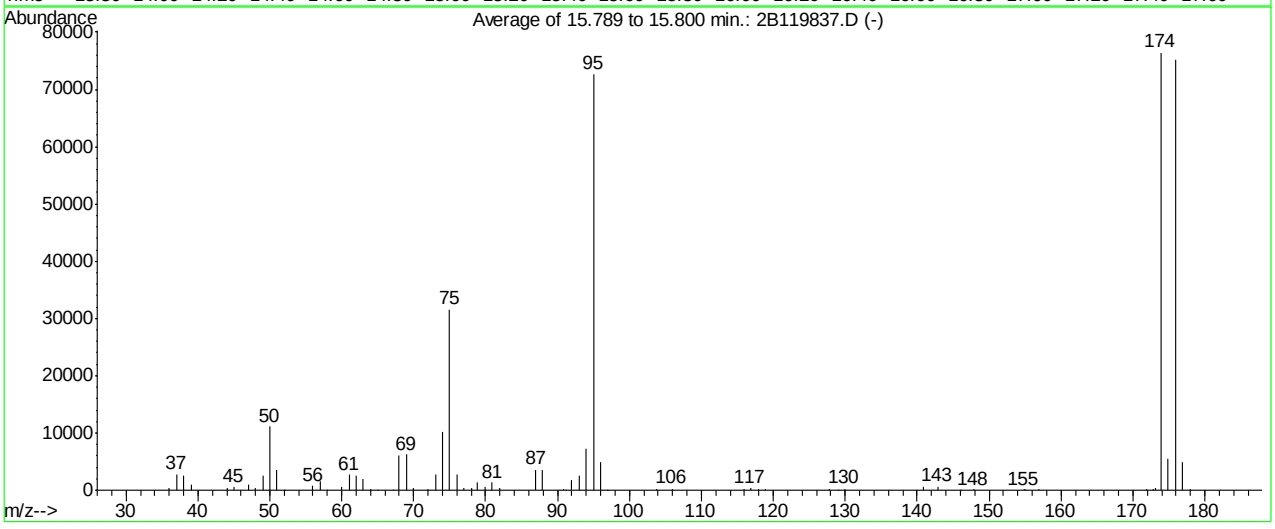
Average of 15.181 to 15.191 min.: 1C128943.D\data.ms
bfb
Modified:subtracted

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\V2B5440INI\2B119837.D Vial: 1
Acq On : 3 Jun 2014 4:40 pm Operator: payalr
Sample : bfb Inst : MS2B
Misc : MS68179,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um





AutoFind: Scans 2367, 2368, 2369; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	11106	PASS
75	95	30	60	43.4	31541	PASS
95	95	100	100	100.0	72693	PASS
96	95	5	9	6.6	4830	PASS
173	174	0.00	2	0.4	338	PASS
174	95	50	120	105.2	76453	PASS
175	174	5	9	7.2	5478	PASS
176	174	95	101	98.4	75213	PASS
177	176	5	9	6.6	4949	PASS

2B119837.D M2B5440.M Wed Jun 04 11:23:23 2014 MS2B

Average of 15.789 to 15.800 min.: 2B119837.D
bfb
Modified:subtracted

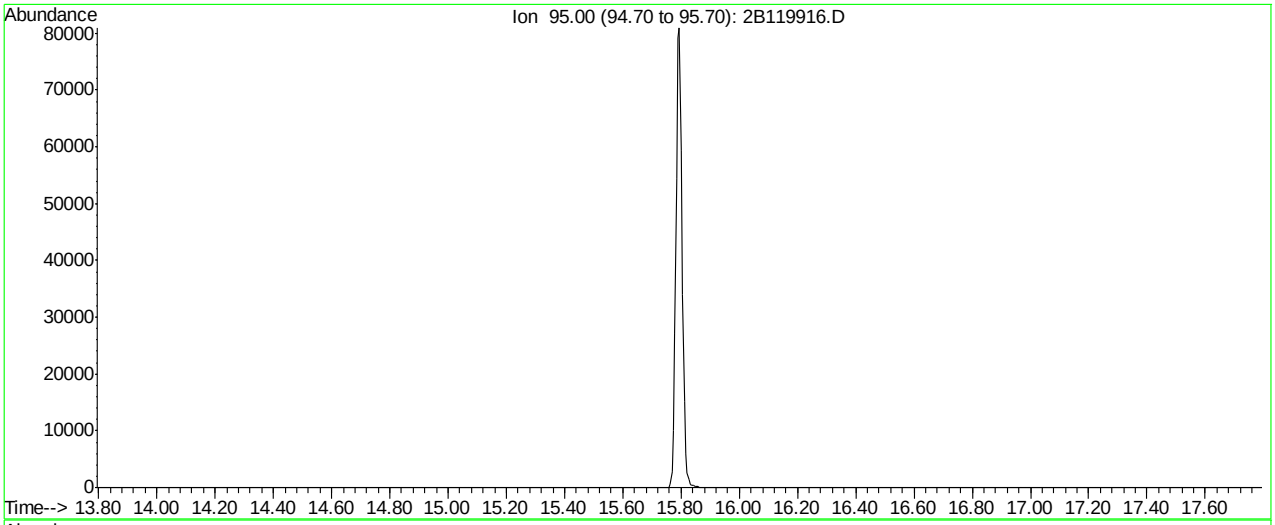
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	492	52.00	55	68.00	6063	79.90	517
37.00	2779	56.00	768	69.00	6237	80.90	1370
38.00	2564	57.00	1483	70.00	491	81.90	348
39.05	1036	58.00	53	72.00	274	86.95	3559
44.00	329	60.05	533	73.00	2662	87.95	3496
44.95	518	61.00	2660	74.00	10222	90.90	174
47.05	968	62.05	2517	75.00	31541	91.20	51
47.90	336	63.00	1996	76.00	2740	92.00	1773
49.00	2463	63.95	136	76.95	434	93.00	2529
50.00	11106	65.00	65	78.00	343	94.00	7219
51.00	3557	67.10	71	78.90	1369	95.00	72693

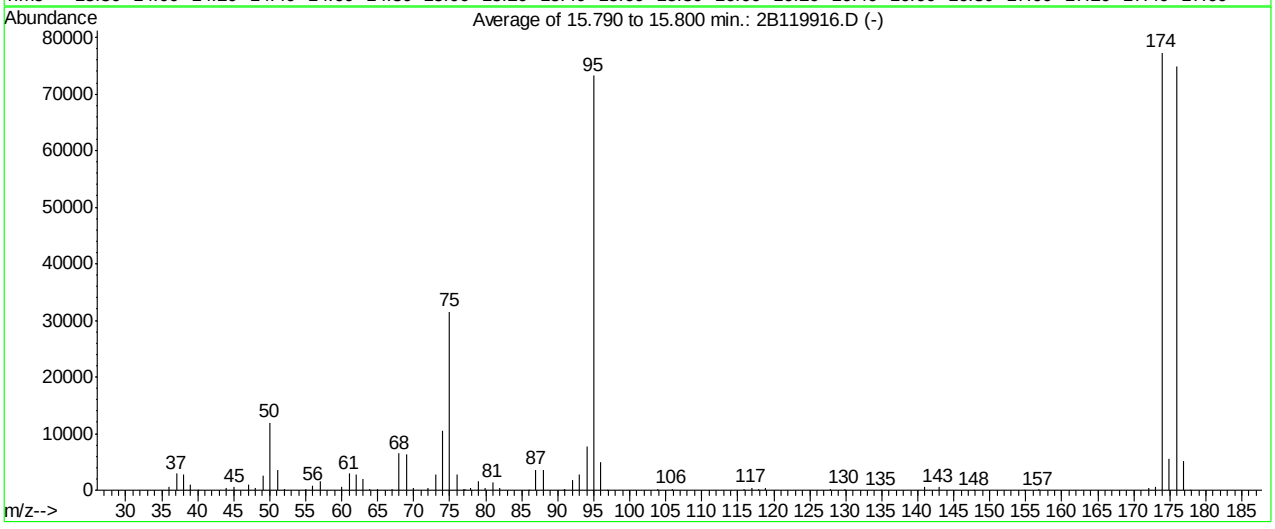
Average of 15.789 to 15.800 min.: 2B119837.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	4830	140.85	526	174.90	5478		
96.90	55	142.90	625	175.90	75213		
103.85	186	146.00	55	176.90	4949		
105.95	259	147.85	136	177.95	123		
115.90	208	154.85	164				
116.85	345	155.10	54				
117.90	213	156.85	123				
118.90	275	171.95	290				
127.85	169	172.90	297				
129.00	75	173.10	338				
129.95	207	173.90	76453				

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\2B119916.D Vial: 1
Acq On : 6 Jun 2014 8:44 am Operator: payalr
Sample : bfb Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um





AutoFind: Scans 2367, 2368, 2369; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	11957	PASS
75	95	30	60	43.1	31554	PASS
95	95	100	100	100.0	73213	PASS
96	95	5	9	6.8	4957	PASS
173	174	0.00	2	0.7	574	PASS
174	95	50	120	105.6	77338	PASS
175	174	5	9	7.1	5460	PASS
176	174	95	101	96.9	74914	PASS
177	176	5	9	6.9	5206	PASS

2B119916.D M2B5440.M Fri Jun 06 15:44:35 2014 MS2B

Average of 15.790 to 15.800 min.: 2B119916.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	580	51.05	3567	67.00	145	77.90	365
37.05	2940	52.05	164	68.00	6501	78.95	1529
38.05	2683	55.00	115	69.00	6339	79.90	449
39.00	1050	56.00	827	70.00	399	80.95	1430
40.00	63	57.00	1562	72.00	359	81.90	380
44.00	364	60.00	536	73.00	2769	86.00	52
45.05	531	61.00	2904	74.00	10410	86.95	3589
47.05	1069	62.00	2732	75.00	31554	87.95	3520
47.95	406	63.00	2056	76.00	2751	90.80	58
49.05	2539	63.95	197	76.90	148	90.95	169
50.00	11957	65.00	176	77.05	295	92.00	1882

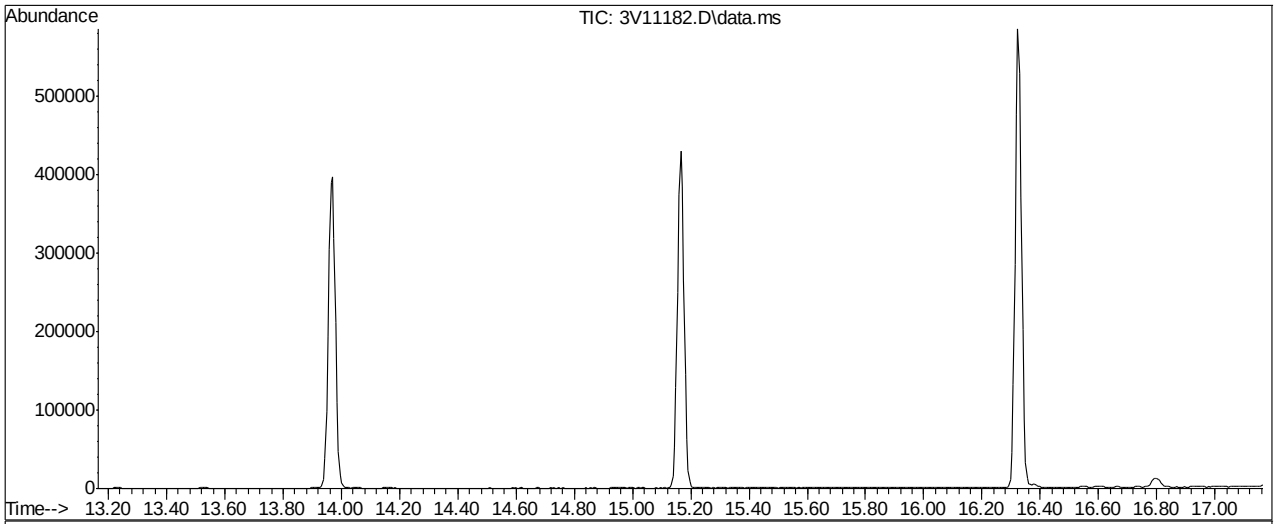
Average of 15.790 to 15.800 min.: 2B119916.D
bfb
Modified:subtracted

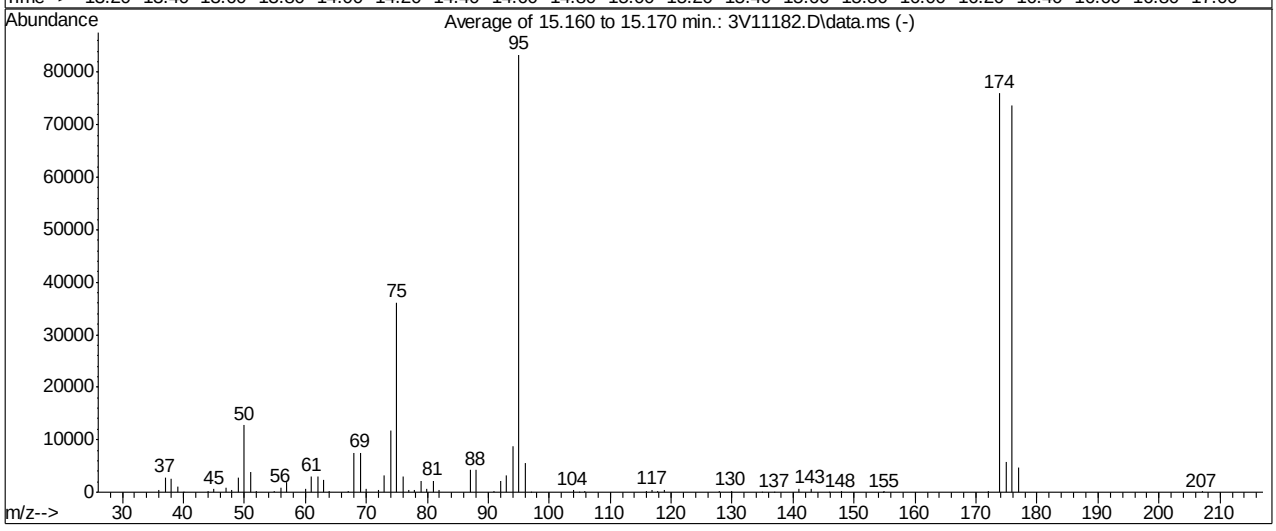
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2810	127.85	234	174.90	5460		
94.00	7726	129.85	284	175.90	74914		
95.00	73213	134.90	56	176.90	5206		
96.00	4957	140.90	564	177.80	62		
96.90	103	142.90	592				
103.95	275	147.80	78				
105.85	279	154.80	69				
115.90	195	156.80	116				
116.90	424	172.00	327				
117.90	227	173.00	574				
118.90	324	173.90	77338				

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

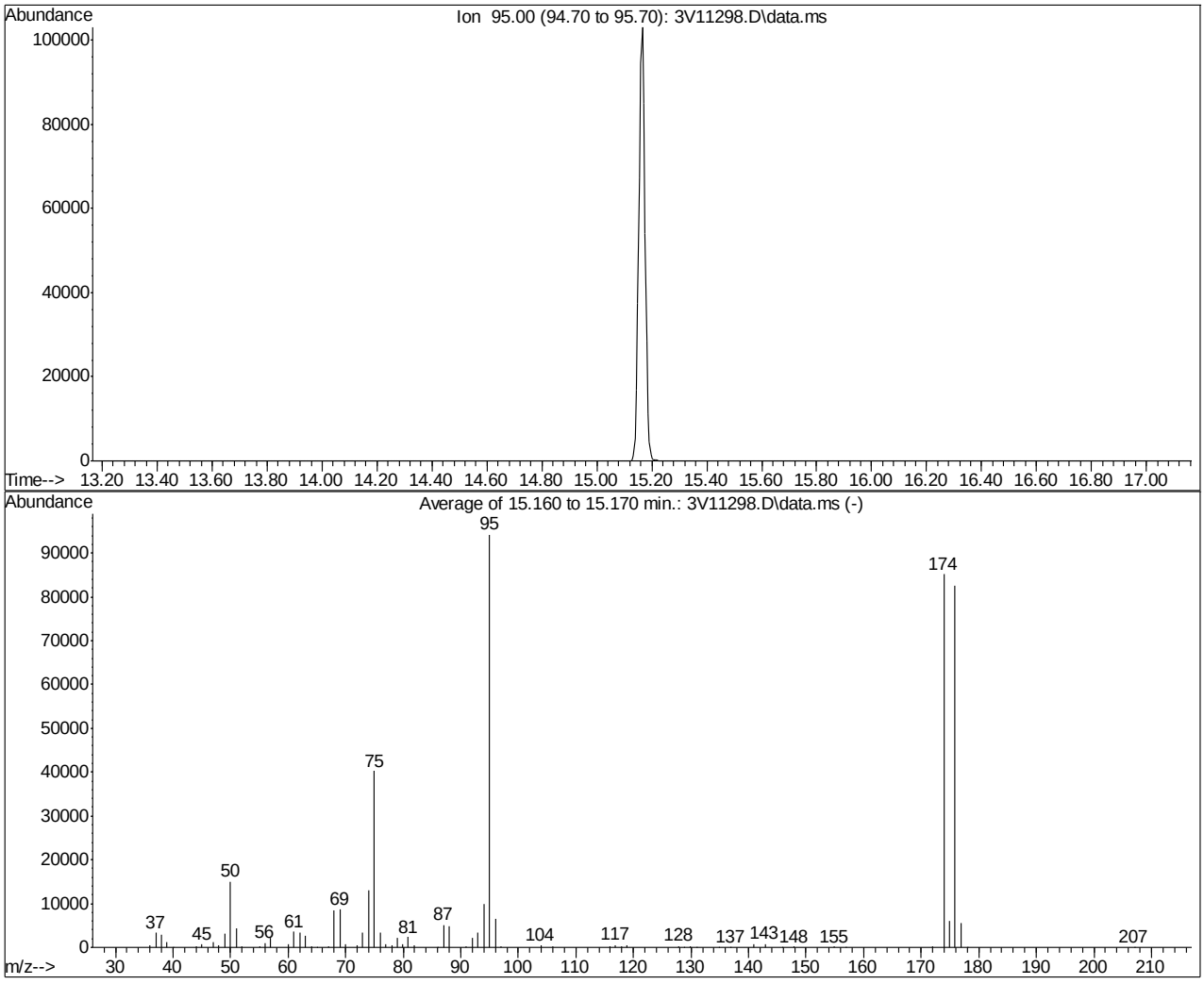
Average of 15.160 to 15.170 min.: 3V11182.D\data.ms
bfb
Modified:subtracted

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\3V11298.D Vial: 1
Acq On : 30 May 2014 8:26 am Operator: thienn
Sample : bfb Inst : MS3V
Misc : MS68245,V3V479,5,,,,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	15.9	15022	PASS
75	95	30	60	42.7	40208	PASS
95	95	100	100	100.0	94240	PASS
96	95	5	9	6.9	6469	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.3	85117	PASS
175	174	5	9	7.2	6108	PASS
176	174	95	101	97.0	82576	PASS
177	176	5	9	6.6	5487	PASS

3V11298.D M3V474.M Tue Jun 03 17:03:13 2014 GCMS3V

Average of 15.160 to 15.170 min.: 3V11298.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	595	51.00	4436	67.05	237	78.90	2301
37.05	3335	52.00	227	68.00	8387	79.90	701
38.00	2937	55.05	247	69.00	8664	80.90	2321
39.00	1240	56.00	1031	70.00	741	81.95	571
39.95	44	57.00	2083	72.05	411	86.00	51
44.00	303	60.00	706	73.00	3503	87.00	5141
45.00	686	61.00	3541	74.00	12987	88.00	4913
47.05	1260	62.00	3443	75.00	40208	90.90	361
48.00	460	63.00	2677	76.00	3364	92.00	2140
49.00	3105	64.00	255	77.00	628	93.00	3412
50.00	15022	64.95	113	78.05	483	94.00	9826

Average of 15.160 to 15.170 min.: 3V11298.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	94240	129.85	297	173.90	85117		
96.00	6469	130.90	104	174.95	6108		
97.00	215	134.90	105	175.90	82576		
103.90	403	136.95	109	176.90	5487		
105.90	328	140.95	658	177.95	112		
115.90	280	142.90	816	207.00	63		
116.90	510	145.80	109				
117.85	282	147.90	216				
118.90	436	154.95	225				
127.90	304	156.90	126				
128.80	57	172.05	277				

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

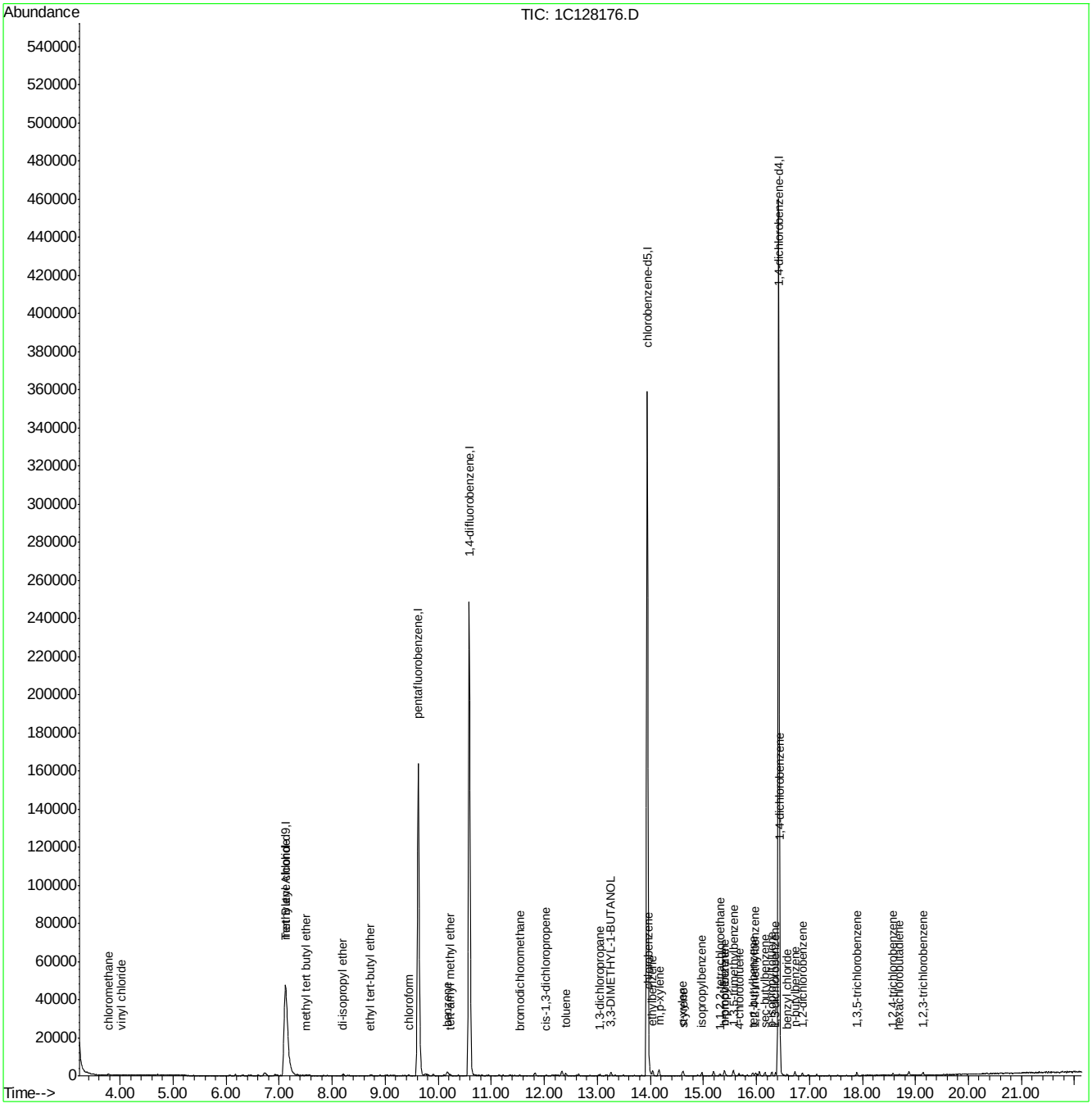
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
125) n-butylbenzene	16.73	92	960	0.22	ug/L		90
127) 1,3,5-trichlorobenzene	17.89	180	869	0.21	ug/L	#	93
128) 1,2,4-trichlorobenzene	18.58	180	816	0.22	ug/L		85
129) hexachlorobutadiene	18.70	225	372	0.19	ug/L	#	53
131) 1,2,3-trichlorobenzene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

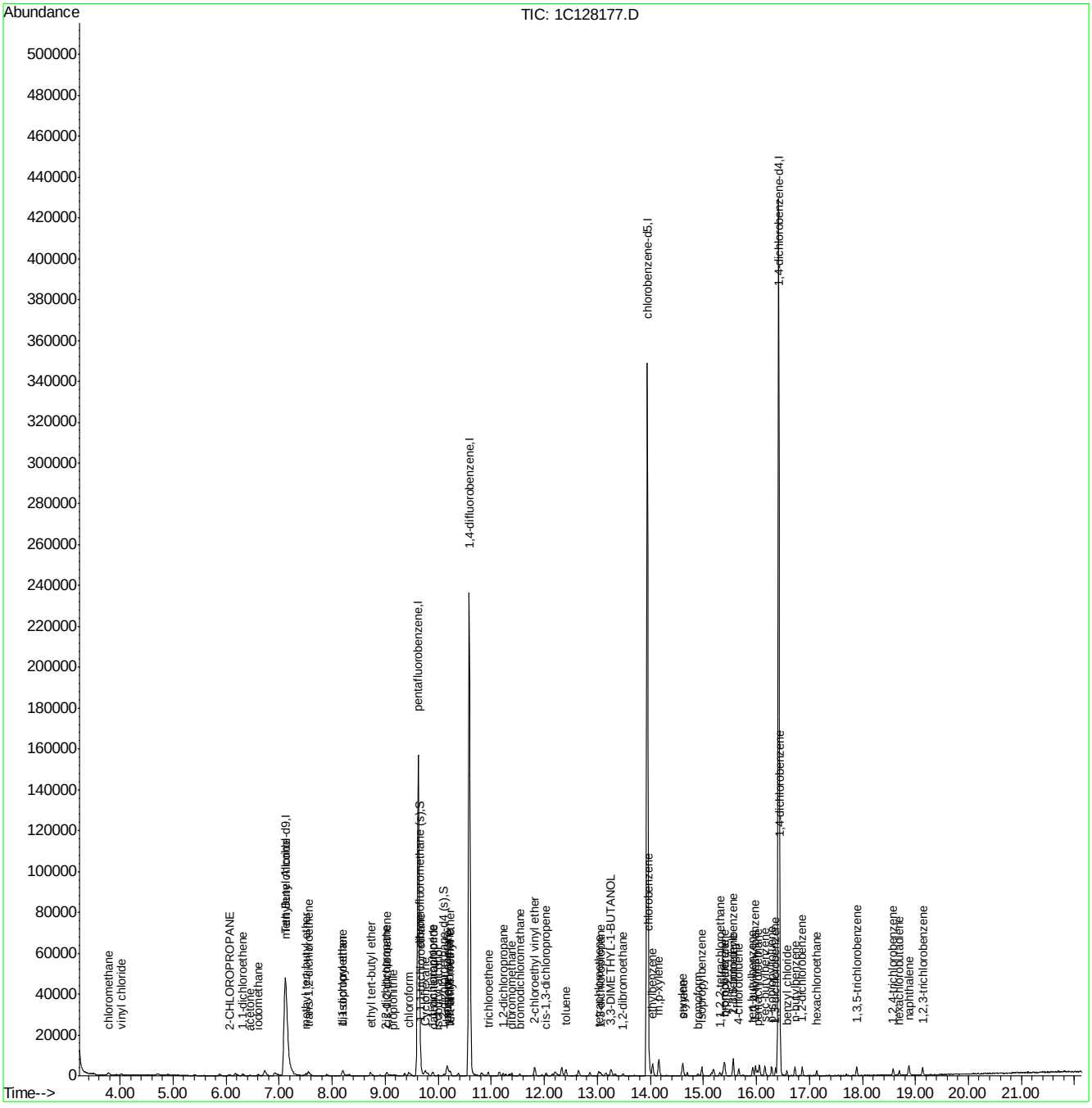
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
90) 1,3-dichloropropane	13.06	76	1226	0.46	ug/L		93
92) 3,3-DIMETHYL-1-BUTANOL	13.26	57	1650	4.75	ug/L		93
94) 1,2-dibromoethane	13.48	107	744	0.52	ug/L		81
95) chlorobenzene	13.97	112	2274	0.48	ug/L		99
97) ethylbenzene	14.05	91	3856	0.44	ug/L		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 JB67976

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

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

Quantitation Report (QT Reviewed)

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

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

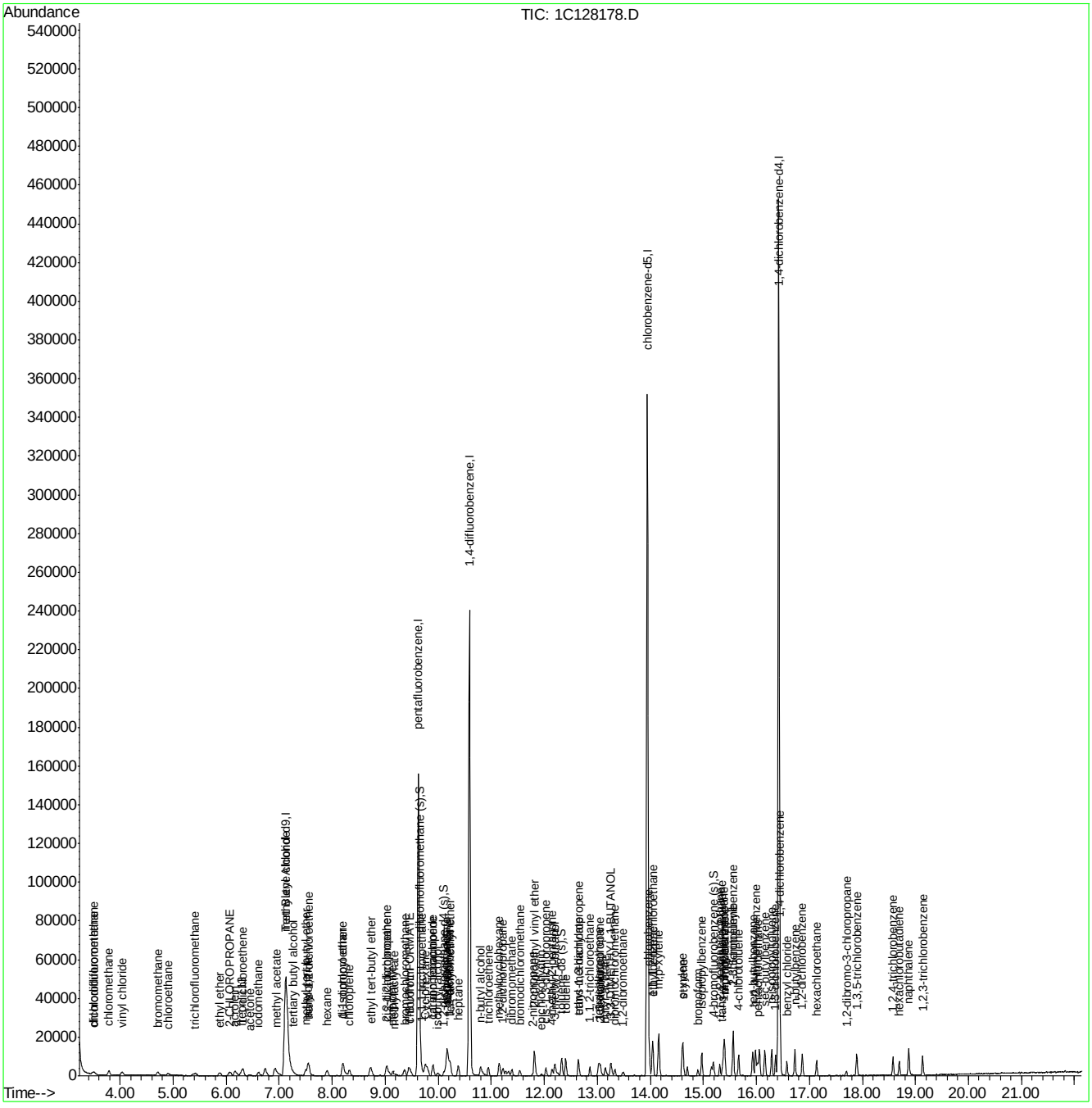
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
116) pentachloroethane	16.02	167	2009	1.53	ug/L	94
117) 1,2,4-trimethylbenzene	15.98	105	8971	1.14	ug/L	99
118) sec-butylbenzene	16.16	105	11889	1.15	ug/L	99
119) 1,3-dichlorobenzene	16.36	146	5874	1.20	ug/L	97
120) p-isopropyltoluene	16.29	119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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST LABORATORIES JB67976

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

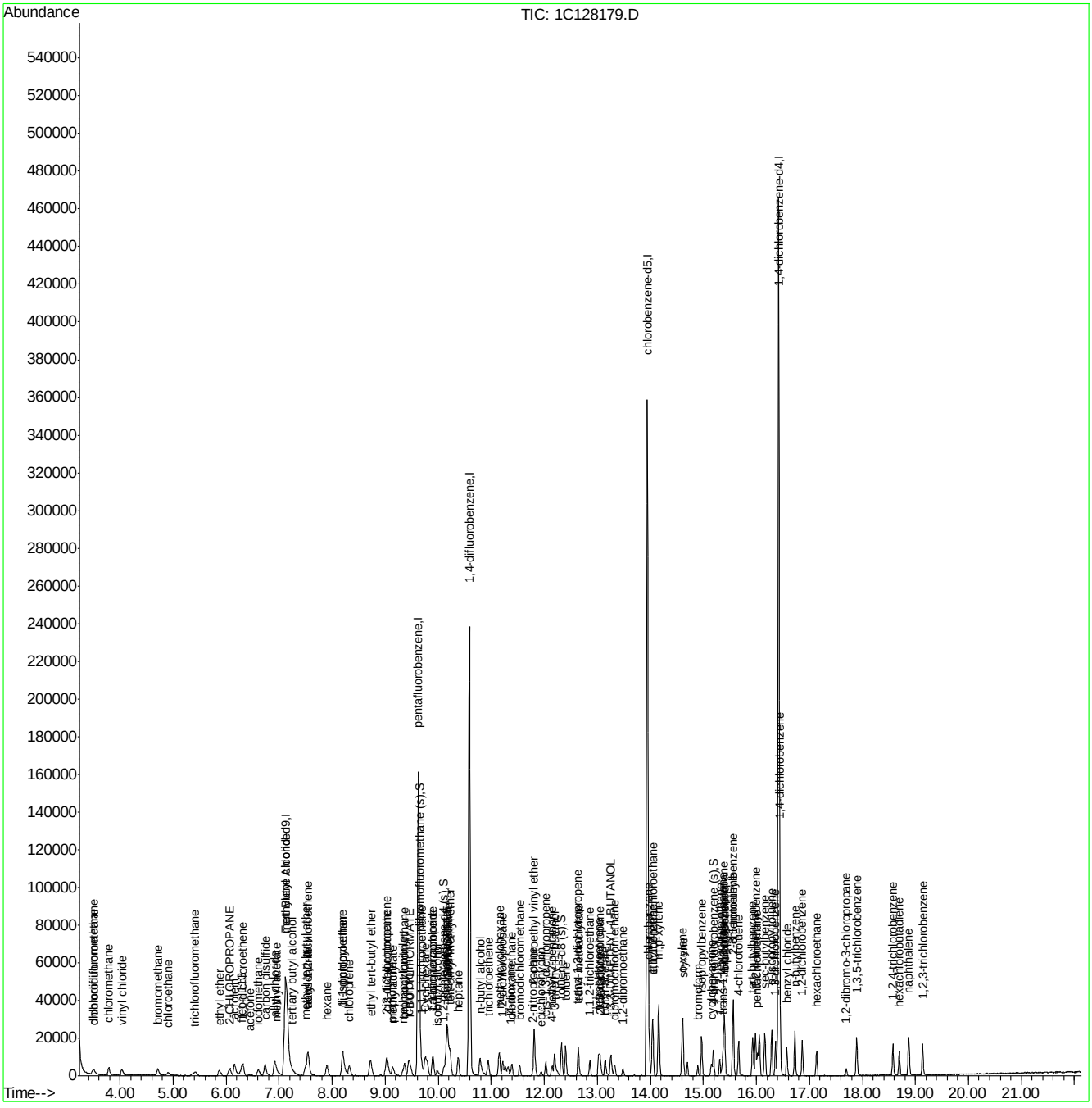
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
111) n-propylbenzene	15.41	91	19780	1.82	ug/L	96
112) 2-chlorotoluene	15.56	126	4233	2.02	ug/L	95
113) 4-chlorotoluene	15.66	91	12561	1.85	ug/L	96
114) 1,3,5-trimethylbenzene	15.57	105	15031	1.89	ug/L	99
115) tert-butylbenzene	15.93	119	12643	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

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

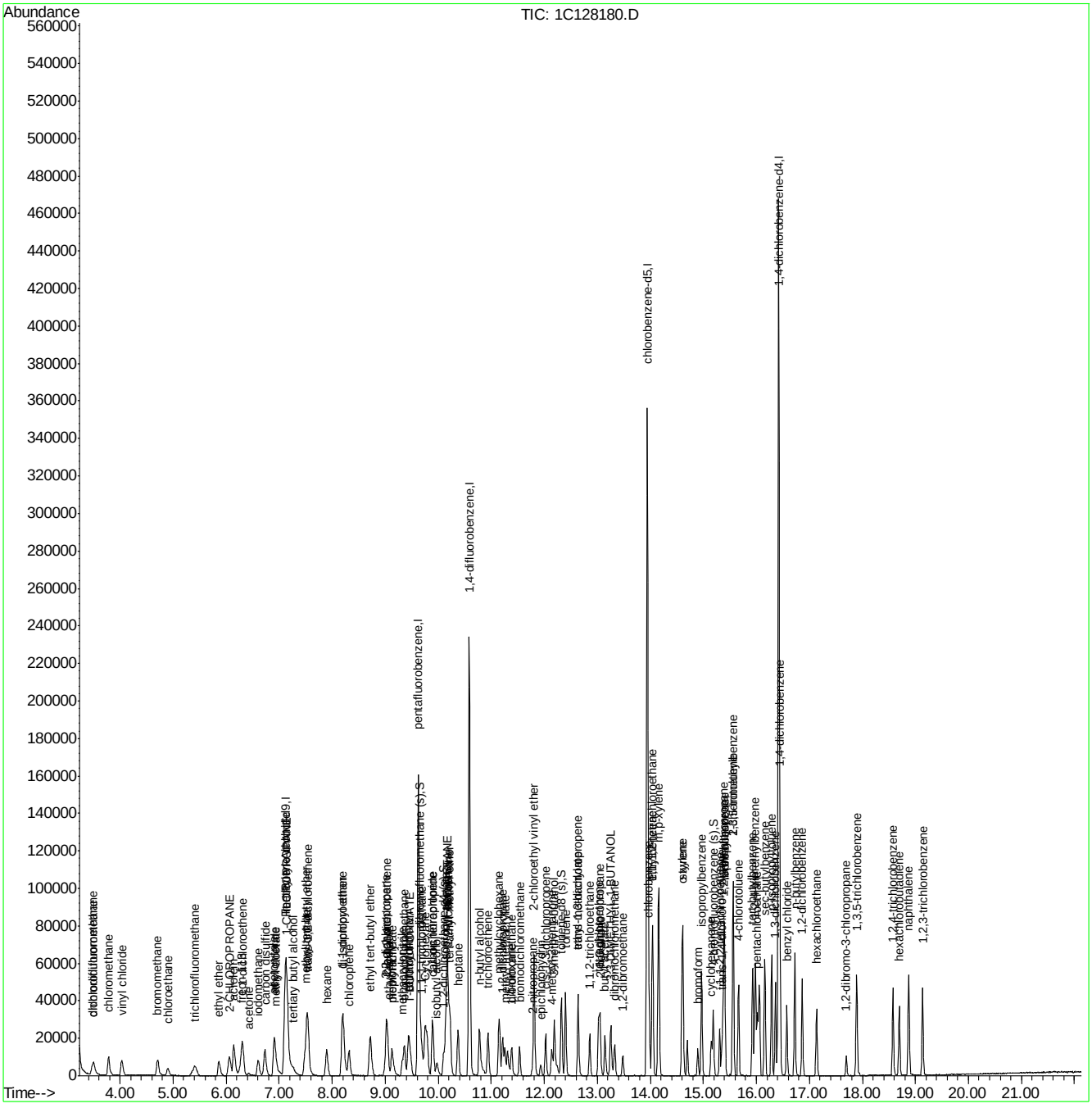
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.97	105	44000	4.77	ug/L	97
106) cyclohexanone	15.15	55	10010	54.16	ug/L	99
107) bromobenzene	15.39	156	11917	4.93	ug/L	97
108) 1,1,2,2-tetrachloroethane	15.31	83	15414	4.58	ug/L	97
109) trans-1,4-dichloro-2-buten	15.35	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

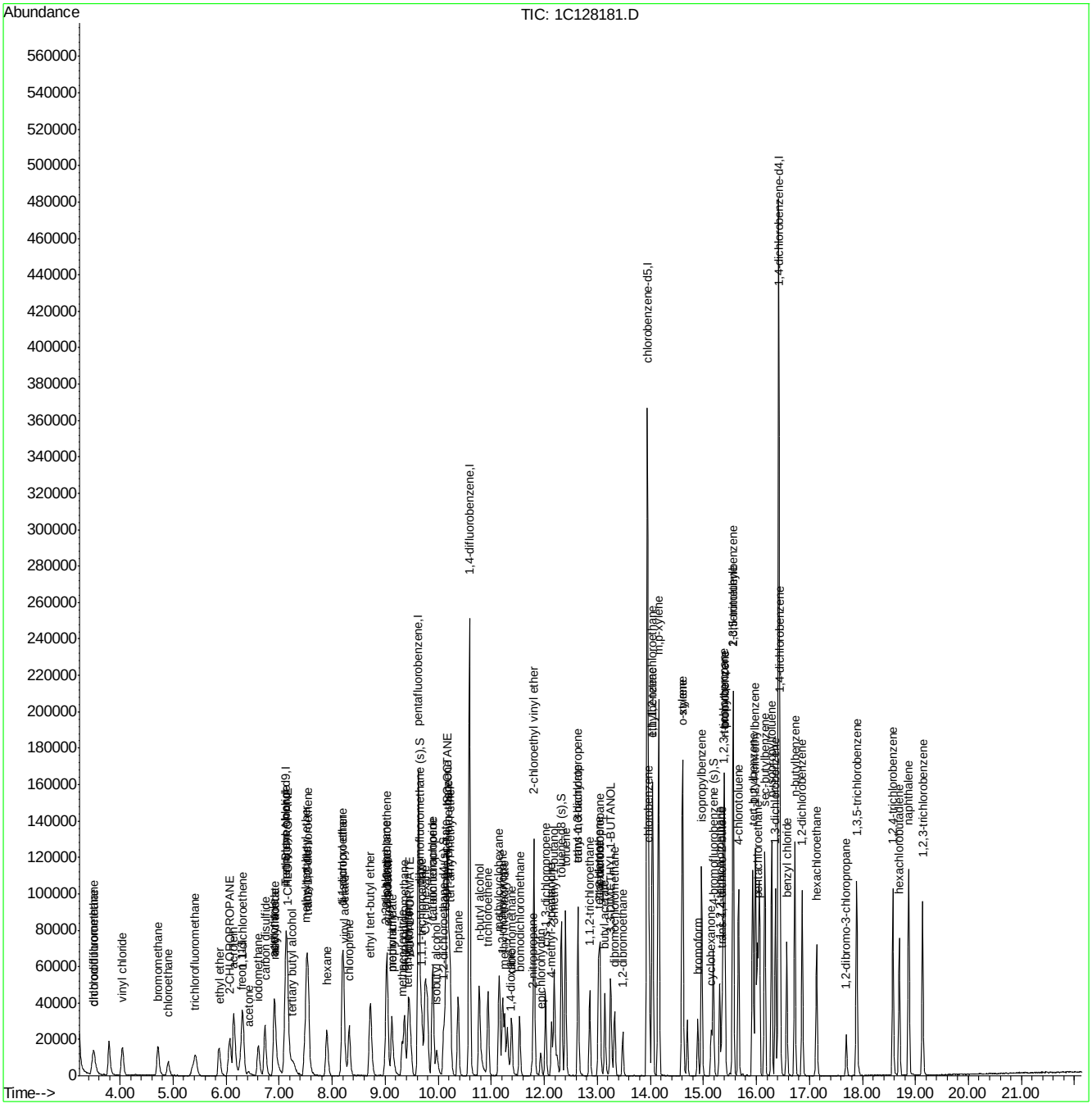
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.97	105	89043	9.64	ug/L	100
106) cyclohexanone	15.15	55	13165	69.63	ug/L	98
107) bromobenzene	15.39	156	24439	10.05	ug/L	95
108) 1,1,2,2-tetrachloroethane	15.31	83	31708	9.47	ug/L	99
109) trans-1,4-dichloro-2-buten	15.35	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



ACCUTEST LABORATORIES JB67976

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

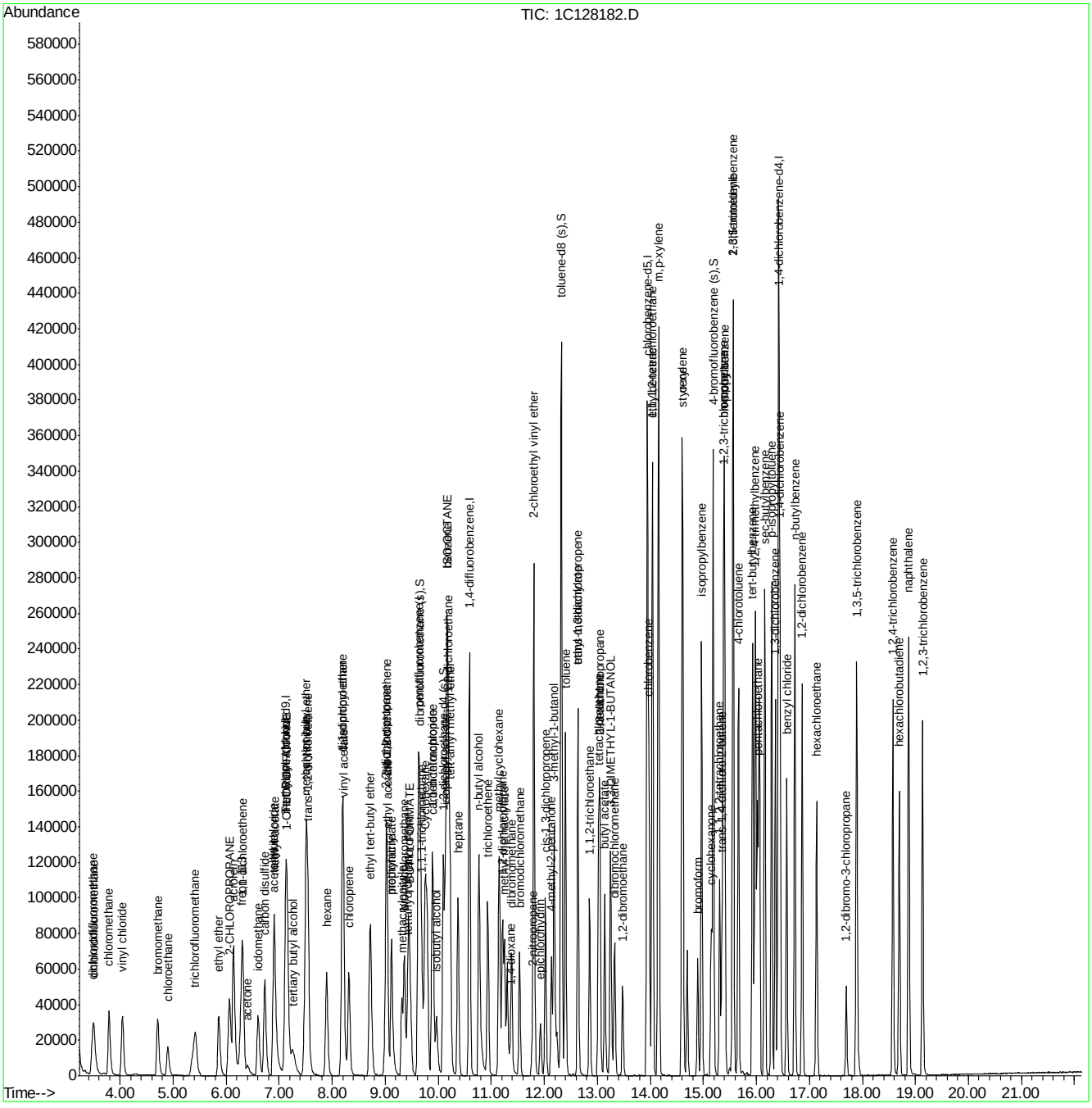
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	37256	21.57	ug/L	98
104) isopropylbenzene	14.97	105	184515	19.87	ug/L	99
106) cyclohexanone	15.15	55	41776	228.54	ug/L	99
107) bromobenzene	15.38	156	51042	20.75	ug/L	96
108) 1,1,2,2-tetrachloroethane	15.31	83	67185	20.01	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

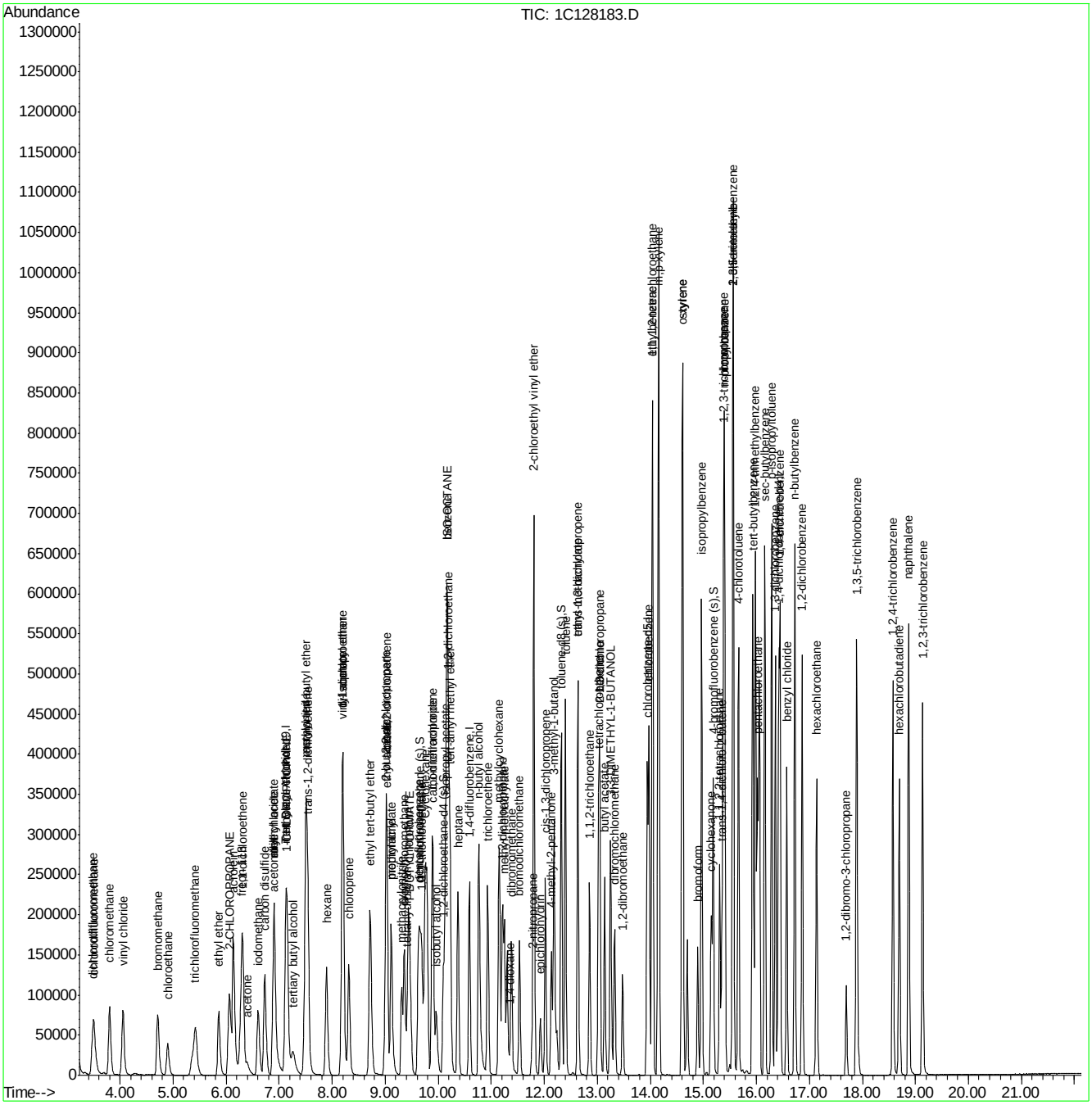
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.89	173	90758	54.36	ug/L	97
104) isopropylbenzene	14.97	105	451428	48.60	ug/L	99
106) cyclohexanone	15.15	55	103252	1131.74	ug/L	97
107) bromobenzene	15.38	156	124642	47.27	ug/L	88
108) 1,1,2,2-tetrachloroethane	15.31	83	155848	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

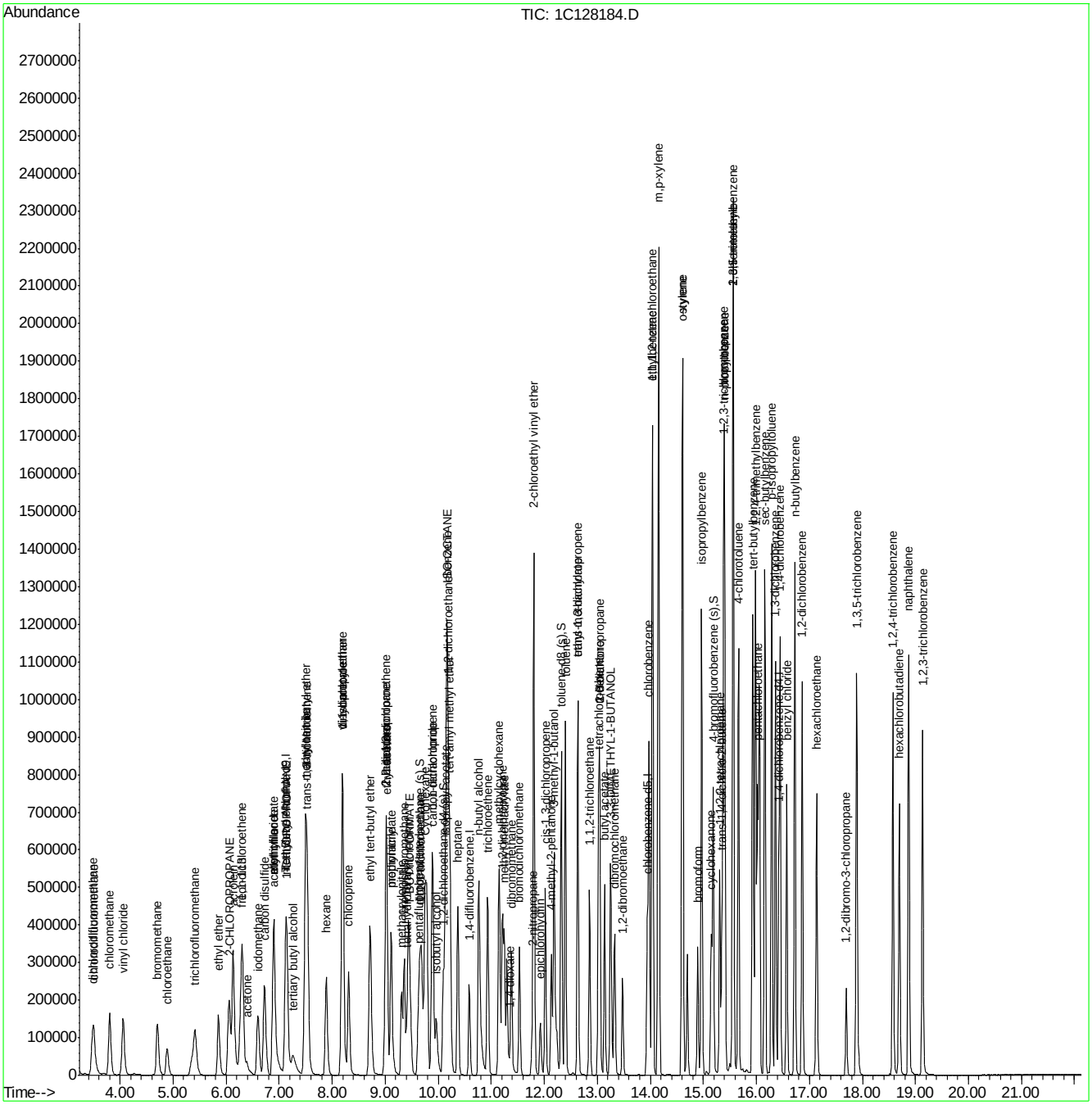
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	191157	103.75	ug/L	97
104) isopropylbenzene	14.97	105	944242	97.04	ug/L	99
106) cyclohexanone	15.15	55	197875	1013.91	ug/L	100
107) bromobenzene	15.38	156	265183	102.31	ug/L	99
108) 1,1,2,2-tetrachloroethane	15.31	83	325053	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

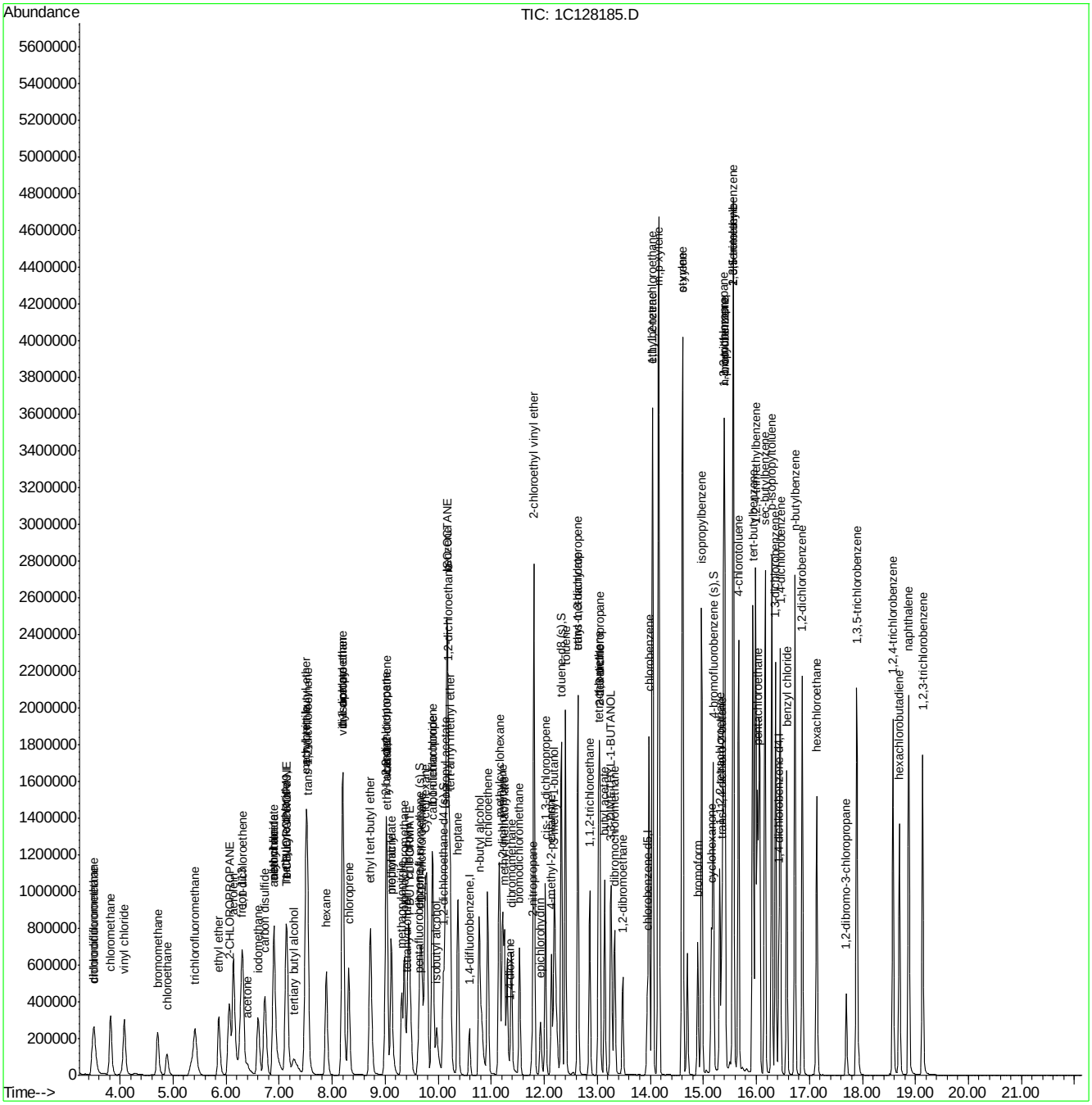
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) bromoform	14.90	173	400596	203.45	ug/L	97
104) isopropylbenzene	14.97	105	1981195	191.97	ug/L	98
106) cyclohexanone	15.15	55	407777	1960.55	ug/L	99
107) bromobenzene	15.39	156	569219	205.86	ug/L	93
108) 1,1,2,2-tetrachloroethane	15.31	83	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



ACCUTEST LABORATORIES JB67976

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

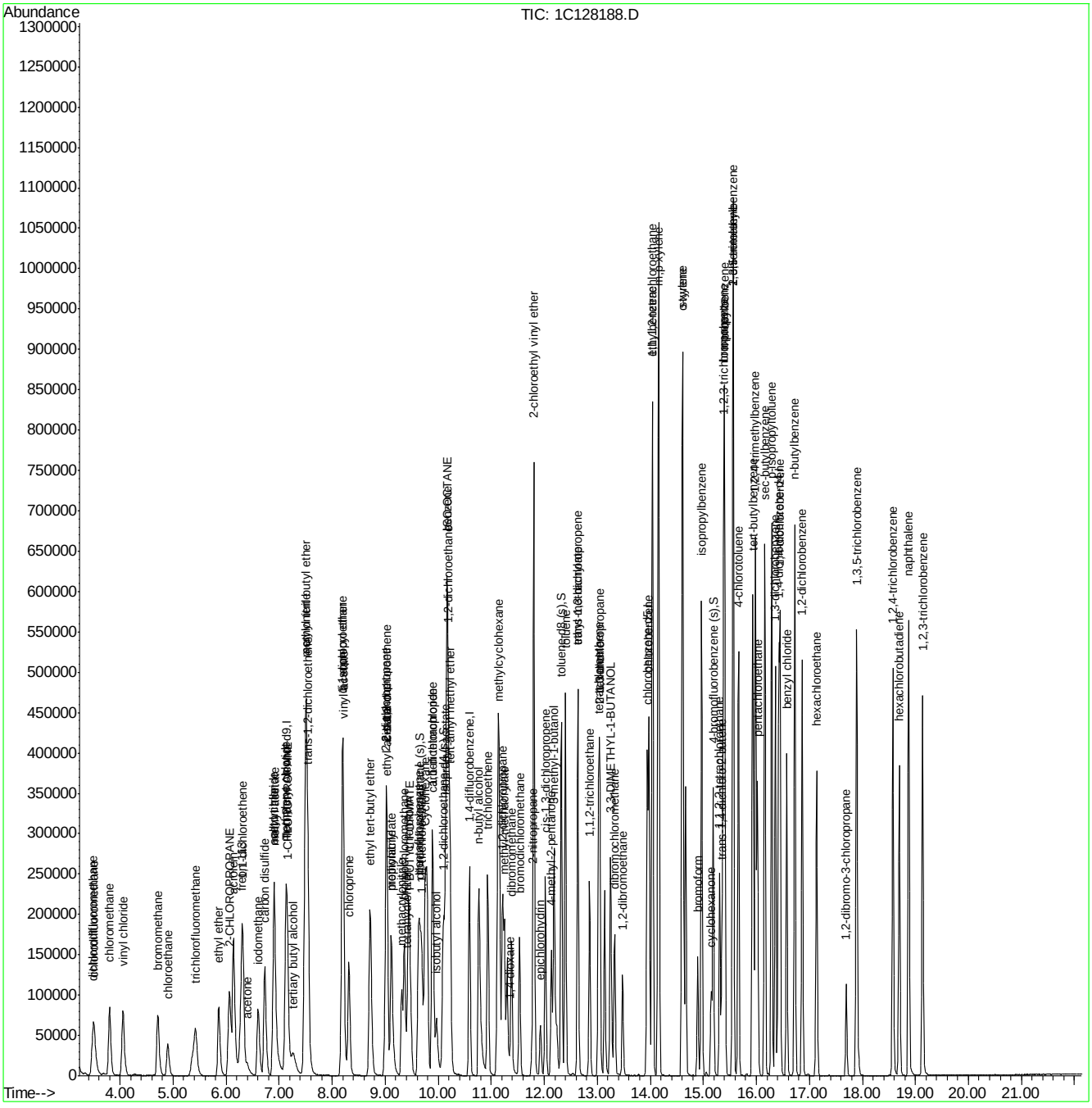
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) bromobenzene	15.38	156	126262	48.40	ug/L	98
108) 1,1,2,2-tetrachloroethane	15.31	83	151467	43.85	ug/L	100
109) trans-1,4-dichloro-2-buten	15.35	53	42608	44.96	ug/L	89
110) 1,2,3-trichloropropane	15.38	110	36385	45.03	ug/L	98
111) n-propylbenzene	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

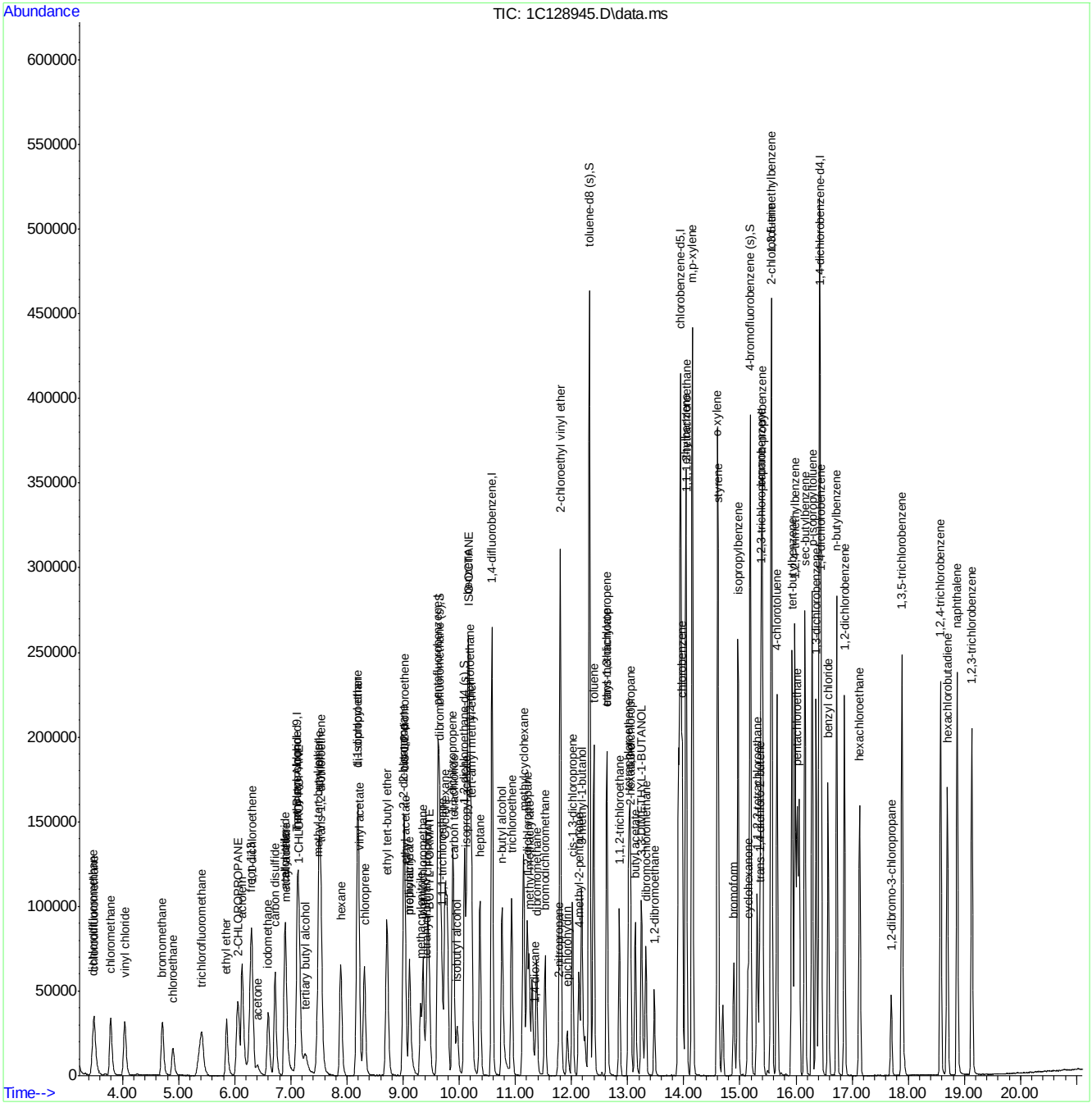
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) styrene	14.616	104	120584	19.36	ug/L	98
102) bromoform	14.893	173	36913	18.66	ug/L	99
104) isopropylbenzene	14.966	105	196794	19.65	ug/L	99
106) cyclohexanone	15.150	55	34833	172.95	ug/L	98
107) bromobenzene	15.385	156	53258	19.71	ug/L	97
108) 1,1,2,2-tetrachloroethane	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



M1C5716.M Fri Jun 06 08:54:56 2014 RPT1 Page: 4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119838.D Vial: 2
Acq On : 3 Jun 2014 5:17 pm Operator: payalr
Sample : ic5440-0.2 Inst : MS2B
Misc : MS68179,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 12:15:59 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:15:53 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

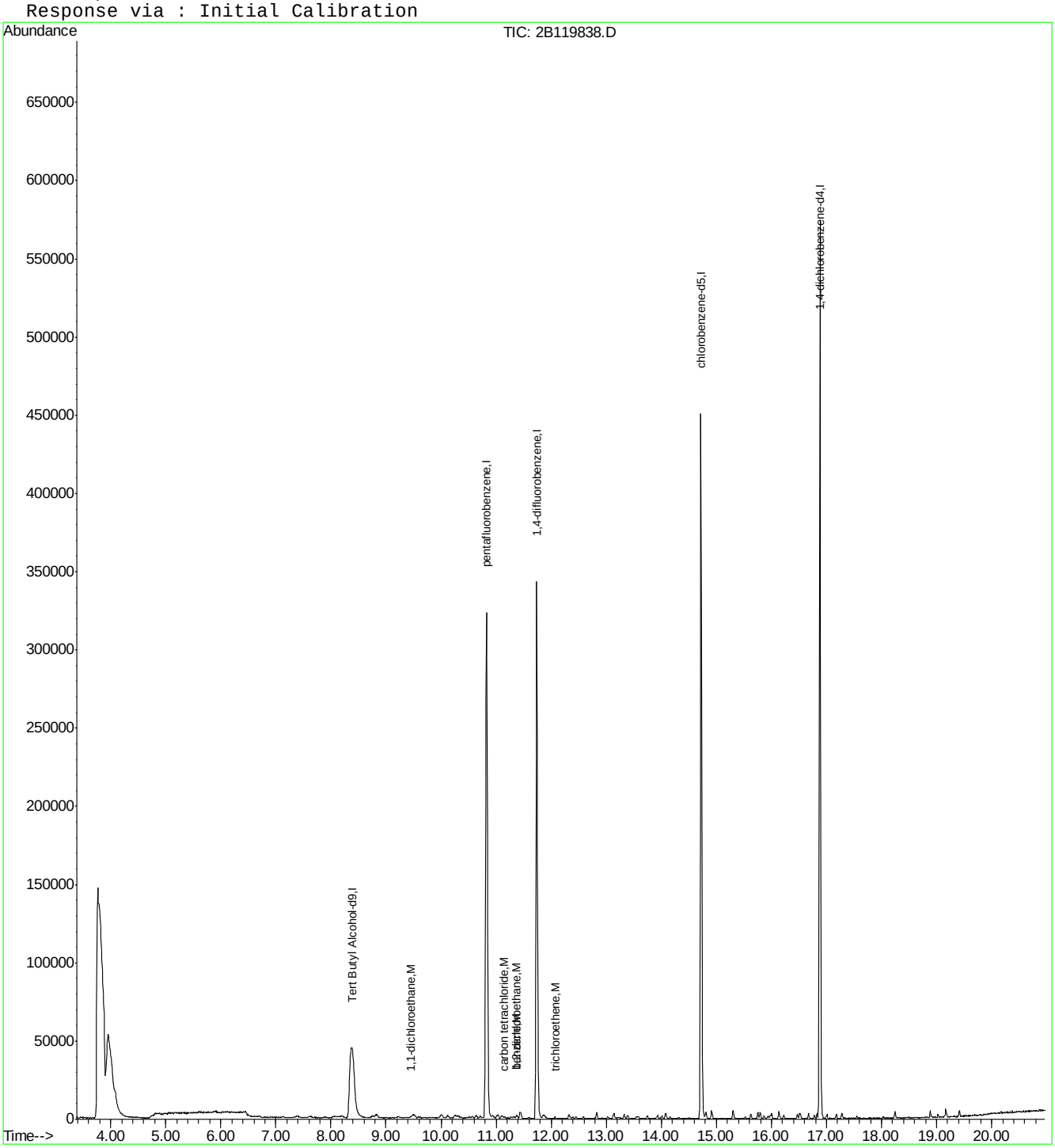
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	153736	500.00	ug/L	0.01
5) pentafluorobenzene	10.82	168	303029	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	312392	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	249522	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	148559	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#		
52) 1,2-dichloroethane-d4 (s)	0.00	65	0	0.00	ug/L	
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#		
82) toluene-d8 (s)	0.00	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#		
108) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#		
Target Compounds						Qvalue
38) 1,1-dichloroethane	9.45	63	993	0.22	ug/L #	49
63) carbon tetrachloride	11.14	117	814	0.25	ug/L	89
66) benzene	11.38	78	2153	0.27	ug/L	98
71) 1,2-dichloroethane	11.36	62	491	0.20	ug/L #	46
72) trichloroethene	12.08	95	422	0.23	ug/L #	53

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119838.D Vial: 2
Acq On : 3 Jun 2014 5:17 pm Operator: payalr
Sample : ic5440-0.2 Inst : MS2B
Misc : MS68179,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 13:04 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/06/14 10:07

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:27:52 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	142897	500.00	ug/L	-0.02
5) pentafluorobenzene	10.82	168	294645	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	303108	50.00	ug/L	0.00
90) chlorobenzene-d5	14.72	117	242750	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	148526	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#		
52) 1,2-dichloroethane-d4 (s)	11.28	65	1180	0.64	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery =	1.28%#		
82) toluene-d8 (s)	13.32	98	3490	0.66	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	1.32%#		
108) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#		
Target Compounds						Qvalue
12) chloromethane	4.84	50	2520m	0.54	ug/L	
28) iodomethane	7.88	142	1965	0.39	ug/L #	47
30) carbon disulfide	8.05	76	3812	0.40	ug/L	81
31) methylene chloride	8.38	84	1243	0.46	ug/L	95
34) methyl tert butyl ether	8.82	73	3679	0.48	ug/L	96
35) trans-1,2-dichloroethene	8.83	96	1071	0.46	ug/L	94
36) di-isopropyl ether	9.50	45	3573	0.47	ug/L	77
38) 1,1-dichloroethane	9.45	63	1708	0.42	ug/L	83
40) acrylonitrile	8.75	53	2411	2.50	ug/L	81
42) ethyl tert-butyl ether	9.99	59	3922	0.53	ug/L	86
44) 2,2-dichloropropane	10.28	77	1595	0.44	ug/L	86
45) cis-1,2-dichloroethene	10.24	96	1076	0.41	ug/L	84
46) propionitrile	10.30	54	2167	6.12	ug/L	73
47) bromochloromethane	10.56	128	506	0.40	ug/L	93
49) chloroform	10.63	83	2078	0.55	ug/L	88
63) carbon tetrachloride	11.15	117	1135	0.37	ug/L	70
64) 1,1-dichloropropene	11.11	75	879	0.36	ug/L #	41
66) benzene	11.37	78	3214	0.43	ug/L	97
68) tert-amyl methyl ether	11.44	73	4124	0.60	ug/L	96
71) 1,2-dichloroethane	11.36	62	1109	0.48	ug/L #	49
72) trichloroethene	12.08	95	653	0.36	ug/L	81
77) 1,2-dichloropropane	12.31	63	750	0.39	ug/L #	48
78) dibromomethane	12.45	93	549	0.47	ug/L #	74
80) bromodichloromethane	12.58	83	1166	0.48	ug/L	81
81) cis-1,3-dichloropropene	13.03	75	1411	0.51	ug/L	81
84) toluene	13.39	92	1725	0.42	ug/L	83
86) trans-1,3-dichloropropene	13.55	75	1279	0.53	ug/L	77
87) ethyl methacrylate	13.57	69	1108	0.54	ug/L	63
88) 1,1,2-trichloroethane	13.74	83	755	0.56	ug/L	91
93) 1,3-dichloropropane	13.92	76	1178	0.50	ug/L	95
96) dibromochloromethane	14.16	129	1106	0.55	ug/L	86
97) 1,2-dibromoethane	14.31	107	878	0.53	ug/L	90
98) chlorobenzene	14.75	112	2373	0.53	ug/L	83

(#) = qualifier out of range (m) = manual integration
2B119839.D M2B5440.M Fri Jun 06 14:36:41 2014 MS2B Page 1

7.6.14

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:27:52 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

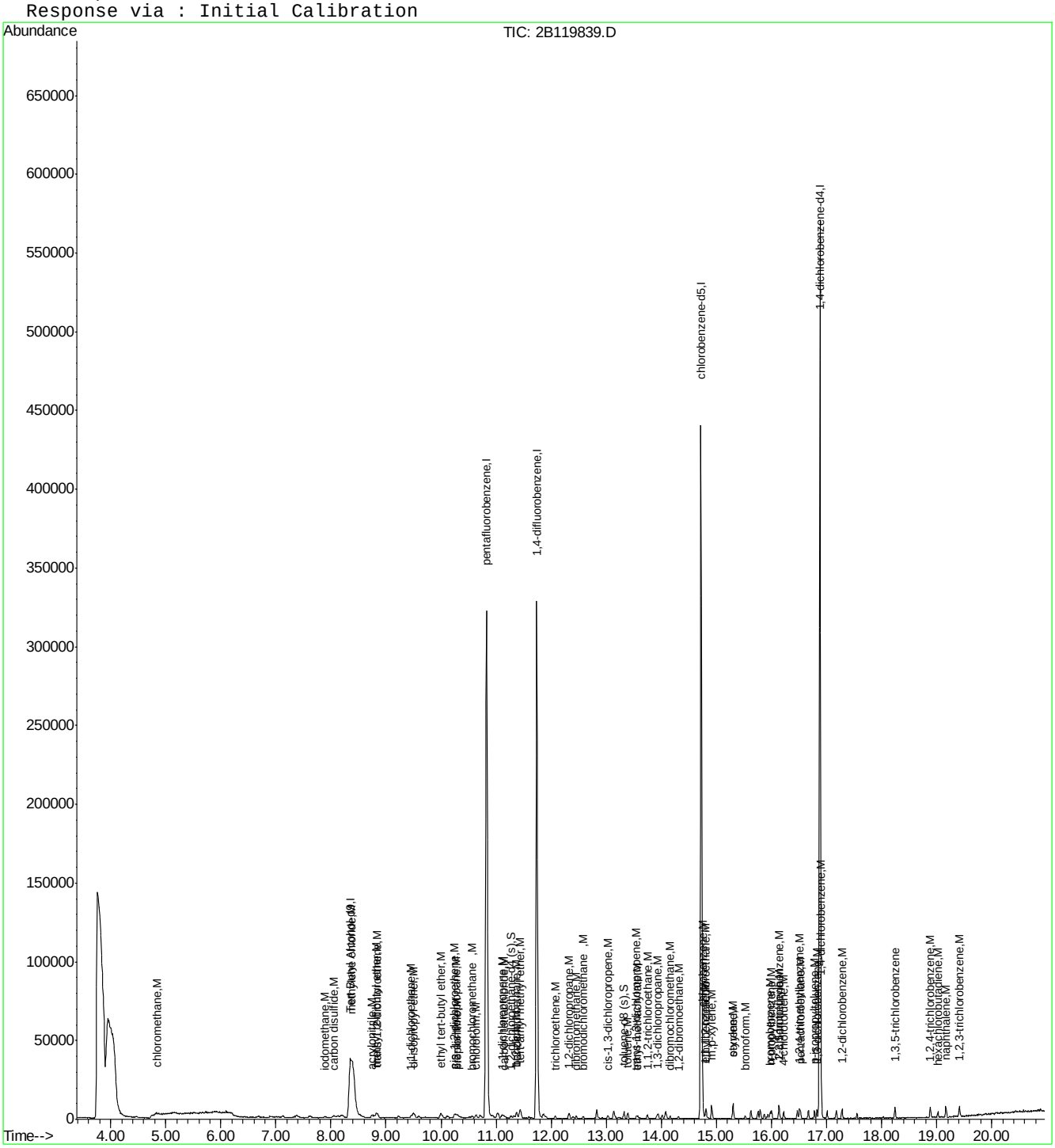
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	1,1,1,2-tetrachloroethane	14.80	131	1168	0.53	ug/L		90
100)	ethylbenzene	14.81	91	3292	0.43	ug/L		94
101)	m,p-xylene	14.91	106	2522	0.84	ug/L		94
102)	o-xylene	15.30	106	1548	0.49	ug/L	#	79
103)	styrene	15.31	104	2314	0.50	ug/L		95
105)	bromoform	15.53	173	959	0.67	ug/L		76
110)	bromobenzene	15.98	156	1285	0.52	ug/L		83
114)	n-propylbenzene	16.00	91	4052	0.44	ug/L		97
115)	2-chlorotoluene	16.14	126	1036	0.47	ug/L	#	73
116)	4-chlorotoluene	16.22	91	2902	0.51	ug/L		98
117)	1,3,5-trimethylbenzene	16.15	105	3158	0.43	ug/L		84
119)	pentachloroethane	16.52	167	1048	0.56	ug/L		90
120)	1,2,4-trimethylbenzene	16.50	105	3178	0.44	ug/L		96
122)	1,3-dichlorobenzene	16.83	146	2657	0.57	ug/L		98
123)	p-isopropyltoluene	16.78	119	3329	0.40	ug/L		95
124)	1,4-dichlorobenzene	16.91	146	2726	0.59	ug/L		91
125)	1,2-dichlorobenzene	17.28	146	2846	0.55	ug/L		92
128)	1,3,5-trichlorobenzene	18.24	180	2741	0.55	ug/L	#	93
129)	1,2,4-trichlorobenzene	18.88	180	2683	0.54	ug/L		90
130)	hexachlorobutadiene	19.02	225	1115	0.50	ug/L	#	72
131)	naphthalene	19.17	128	5854	0.60	ug/L		98
132)	1,2,3-trichlorobenzene	19.41	180	2686	0.58	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 13:14 2014 Quant Results File: M2B5440.RES

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



Manual Integration Approval Summary

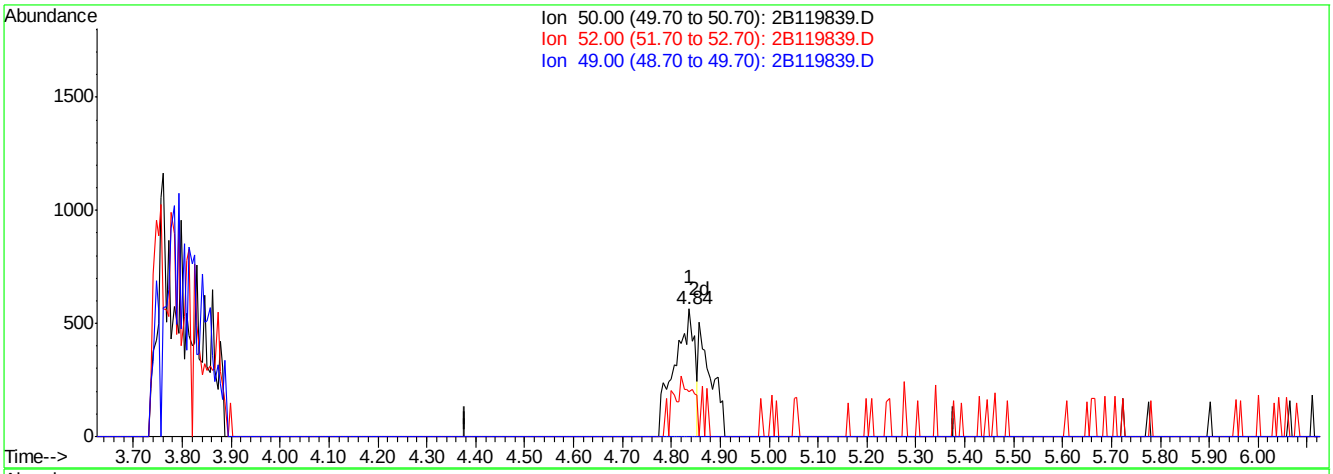
Sample Number:	V2B5440-IC5440	**Method:**	SW846 8260B
Lab FileID:	2B119839.D	**Analyst approved:**	06/04/14 13:44 Ying Li
Injection Time:	06/03/14 17:48	**Supervisor approved:**	06/06/14 10:07 Jessica Reitan-Chu

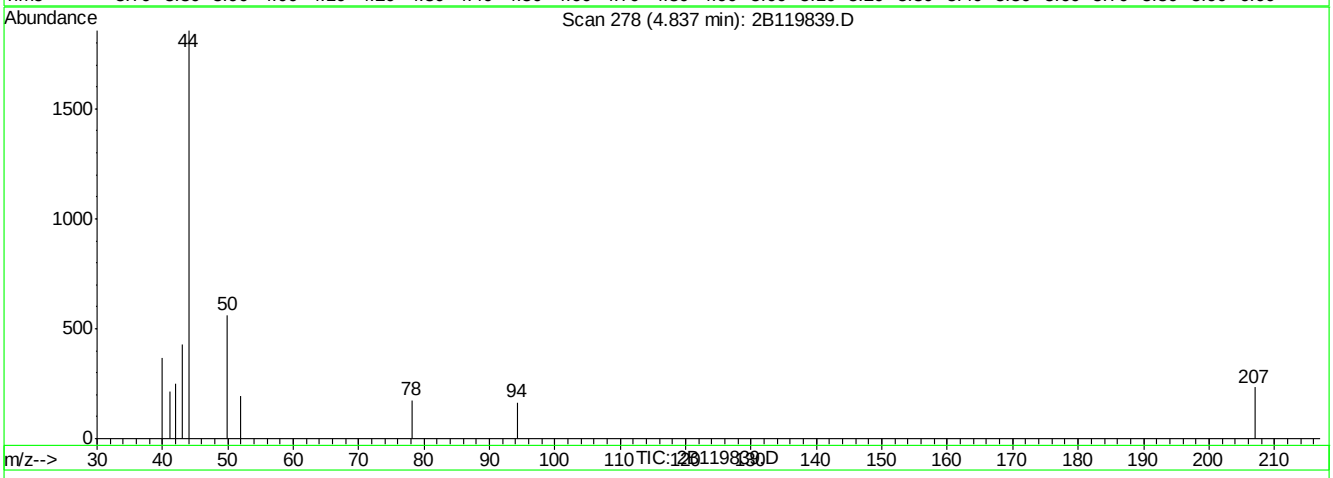
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		4.84	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.35ug/L

response 1617

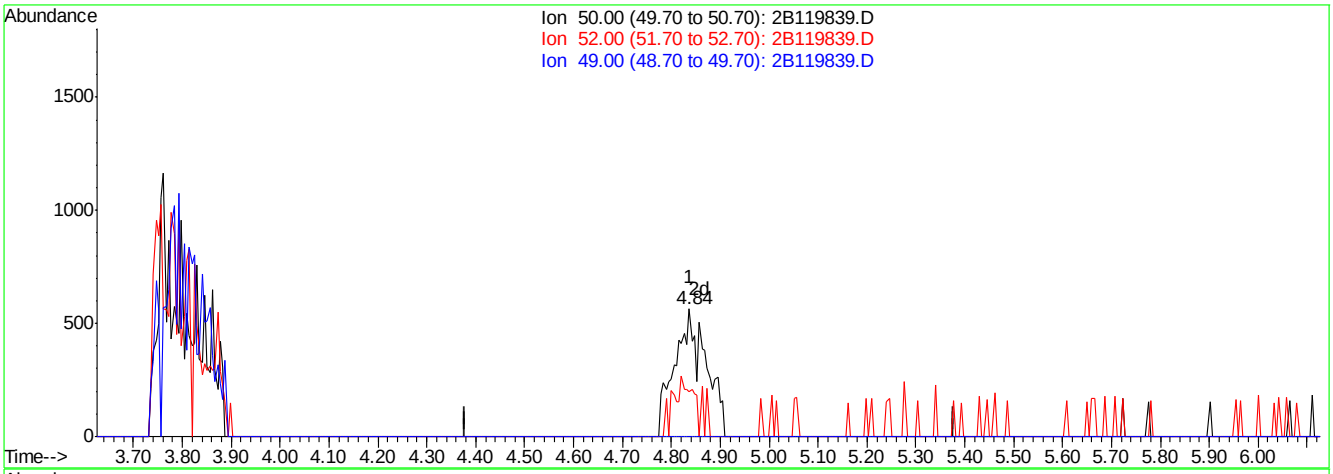
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	34.81
49.00	9.90	0.00
0.00	0.00	0.00

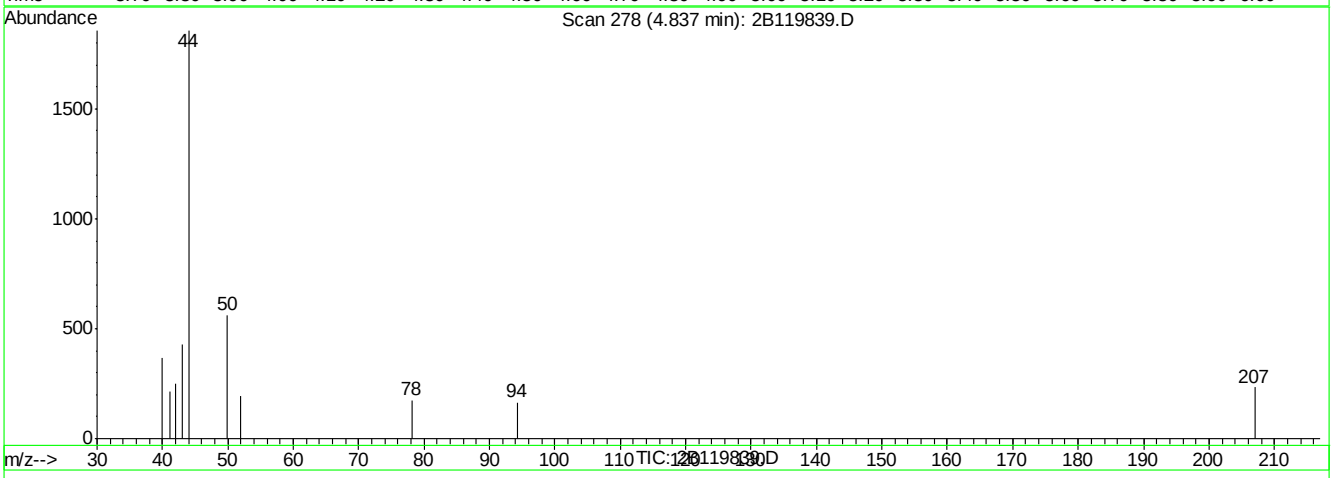
2B119839.D M2B5440.M Wed Jun 04 11:35:12 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.54ug/L m

response 2520

Ion	Exp%	Act%
50.00	100	100
52.00	31.00	34.81
49.00	9.90	0.00
0.00	0.00	0.00

2B119839.D M2B5440.M Wed Jun 04 11:35:20 2014 MS2B

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/06/14 10:07

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:43:10 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	142959	500.00	ug/L		0.00
5) pentafluorobenzene	10.82	168	295755	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	309015	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	246264	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	148591	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.83	113	2772	1.33	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	2.66%#			
52) 1,2-dichloroethane-d4 (s)	11.28	65	2314	1.24	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery =	2.48%#			
82) toluene-d8 (s)	13.32	98	6363	1.18	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	2.36%#			
108) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
9) chlorodifluoromethane	4.46	51	2400	0.87	ug/L		65
10) dichlorodifluoromethane	4.46	85	2820	0.75	ug/L		89
12) chloromethane	4.84	50	4440m	0.95	ug/L		
13) vinyl chloride	5.15	62	4185	0.95	ug/L		87
15) bromomethane	5.90	94	3232	1.14	ug/L		85
16) chloroethane	6.10	64	1638m	0.91	ug/L		
18) trichlorofluoromethane	6.69	101	3479	0.79	ug/L		83
20) ethyl ether	7.14	74	960	0.81	ug/L	#	66
21) acrolein	7.37	56	5019	9.89	ug/L		100
22) 2-chloropropane	7.33	43	5224	1.17	ug/L		93
24) 1,1-dichloroethene	7.59	96	2781	1.14	ug/L		85
26) allyl chloride	8.20	76	1071	0.95	ug/L	#	53
28) iodomethane	7.90	142	5457	1.07	ug/L		96
30) carbon disulfide	8.05	76	10957	1.15	ug/L		99
31) methylene chloride	8.38	84	3350	1.23	ug/L		89
34) methyl tert butyl ether	8.83	73	8525	1.11	ug/L		95
35) trans-1,2-dichloroethene	8.83	96	2600	1.12	ug/L		86
36) di-isopropyl ether	9.49	45	8917	1.17	ug/L		88
38) 1,1-dichloroethane	9.45	63	4185	1.03	ug/L		91
39) chloroprene	9.59	53	2648	1.00	ug/L		97
40) acrylonitrile	8.75	53	4751	4.91	ug/L		95
42) ethyl tert-butyl ether	10.01	59	9044	1.22	ug/L		97
44) 2,2-dichloropropane	10.27	77	4113	1.13	ug/L		94
45) cis-1,2-dichloroethene	10.24	96	2947	1.12	ug/L	#	77
46) propionitrile	10.31	54	3713	10.45	ug/L		93
47) bromochloromethane	10.57	128	1327	1.05	ug/L		90
48) tetrahydrofuran	10.64	42	726	0.96	ug/L	#	32
49) chloroform	10.64	83	4247	1.13	ug/L		94
50) t-butyl formate	10.71	59	2187	1.25	ug/L		88
53) freon 113	7.63	151	1958m	0.95	ug/L		
54) methacrylonitrile	10.50	41	1304	1.01	ug/L		92
55) 1,1,1-trichloroethane	10.93	97	3747	1.06	ug/L		89
56) Cyclohexane	11.03	84	3674	1.05	ug/L	#	77

(#) = qualifier out of range (m) = manual integration

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:43:10 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	carbon tetrachloride	11.14	117	3442	1.10	ug/L		95
64)	1,1-dichloropropene	11.11	75	2594	1.05	ug/L		87
65)	hexane	9.23	57	2060	0.93	ug/L		98
66)	benzene	11.38	78	8049	1.06	ug/L		92
67)	2,2,4-trimethylpentane	11.43	57	6384	0.87	ug/L		93
68)	tert-amyl methyl ether	11.44	73	9942	1.41	ug/L		95
69)	heptane	11.60	57	879	0.80	ug/L	#	69
71)	1,2-dichloroethane	11.36	62	2585	1.10	ug/L		86
72)	trichloroethene	12.08	95	1895	1.02	ug/L		91
77)	1,2-dichloropropane	12.32	63	1916	0.97	ug/L		98
78)	dibromomethane	12.44	93	1103	0.92	ug/L		87
79)	methylcyclohexane	12.32	83	3200	0.90	ug/L		90
80)	bromodichloromethane	12.58	83	2367	0.95	ug/L		91
81)	cis-1,3-dichloropropene	13.03	75	2550	0.91	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	957	1.09	ug/L	#	90
84)	toluene	13.39	92	3849	0.92	ug/L		96
86)	trans-1,3-dichloropropene	13.55	75	2248	0.92	ug/L		94
87)	ethyl methacrylate	13.58	69	1730	0.82	ug/L		92
88)	1,1,2-trichloroethane	13.74	83	1261	0.91	ug/L		97
89)	2-hexanone	13.94	58	506	0.82	ug/L	#	83
92)	tetrachloroethene	13.94	164	1598	1.00	ug/L	#	67
93)	1,3-dichloropropane	13.92	76	2484	1.04	ug/L		75
96)	dibromochloromethane	14.16	129	1945	0.96	ug/L		86
97)	1,2-dibromoethane	14.31	107	1581	0.94	ug/L		99
98)	chlorobenzene	14.76	112	4206	0.93	ug/L		96
99)	1,1,1,2-tetrachloroethane	14.80	131	1975	0.89	ug/L		87
100)	ethylbenzene	14.82	91	6843	0.88	ug/L		91
101)	m,p-xylene	14.92	106	5066	1.66	ug/L		99
102)	o-xylene	15.30	106	2735	0.85	ug/L	#	80
103)	styrene	15.31	104	4278	0.91	ug/L		89
105)	bromoform	15.53	173	1483	1.02	ug/L		78
107)	isopropylbenzene	15.63	105	7442	0.82	ug/L		99
109)	cyclohexanone	15.75	98	1587	11.32	ug/L	#	77
110)	bromobenzene	15.98	156	2219	0.90	ug/L		98
111)	1,1,2,2-tetrachloroethane	15.87	83	2721	0.93	ug/L		98
112)	trans-1,4-dichloro-2-buten	15.91	53	427	0.84	ug/L	#	66
113)	1,2,3-trichloropropane	15.94	110	554	0.96	ug/L		96
114)	n-propylbenzene	16.00	91	8153	0.88	ug/L		93
115)	2-chlorotoluene	16.13	126	1850	0.83	ug/L	#	84
116)	4-chlorotoluene	16.22	91	5162	0.91	ug/L		94
117)	1,3,5-trimethylbenzene	16.14	105	5877	0.79	ug/L		96
118)	tert-butylbenzene	16.47	119	5266	0.80	ug/L		99
119)	pentachloroethane	16.53	167	1785	0.95	ug/L		95
120)	1,2,4-trimethylbenzene	16.51	105	6020	0.84	ug/L		99
122)	1,3-dichlorobenzene	16.83	146	4604	0.98	ug/L		91
124)	1,4-dichlorobenzene	16.91	146	4702	1.01	ug/L		98
125)	1,2-dichlorobenzene	17.28	146	5042	0.98	ug/L		95
126)	n-butylbenzene	17.17	92	3395	0.84	ug/L		99
127)	1,2-dibromo-3-chloropropan	18.03	75	512	1.05	ug/L		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:43:10 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

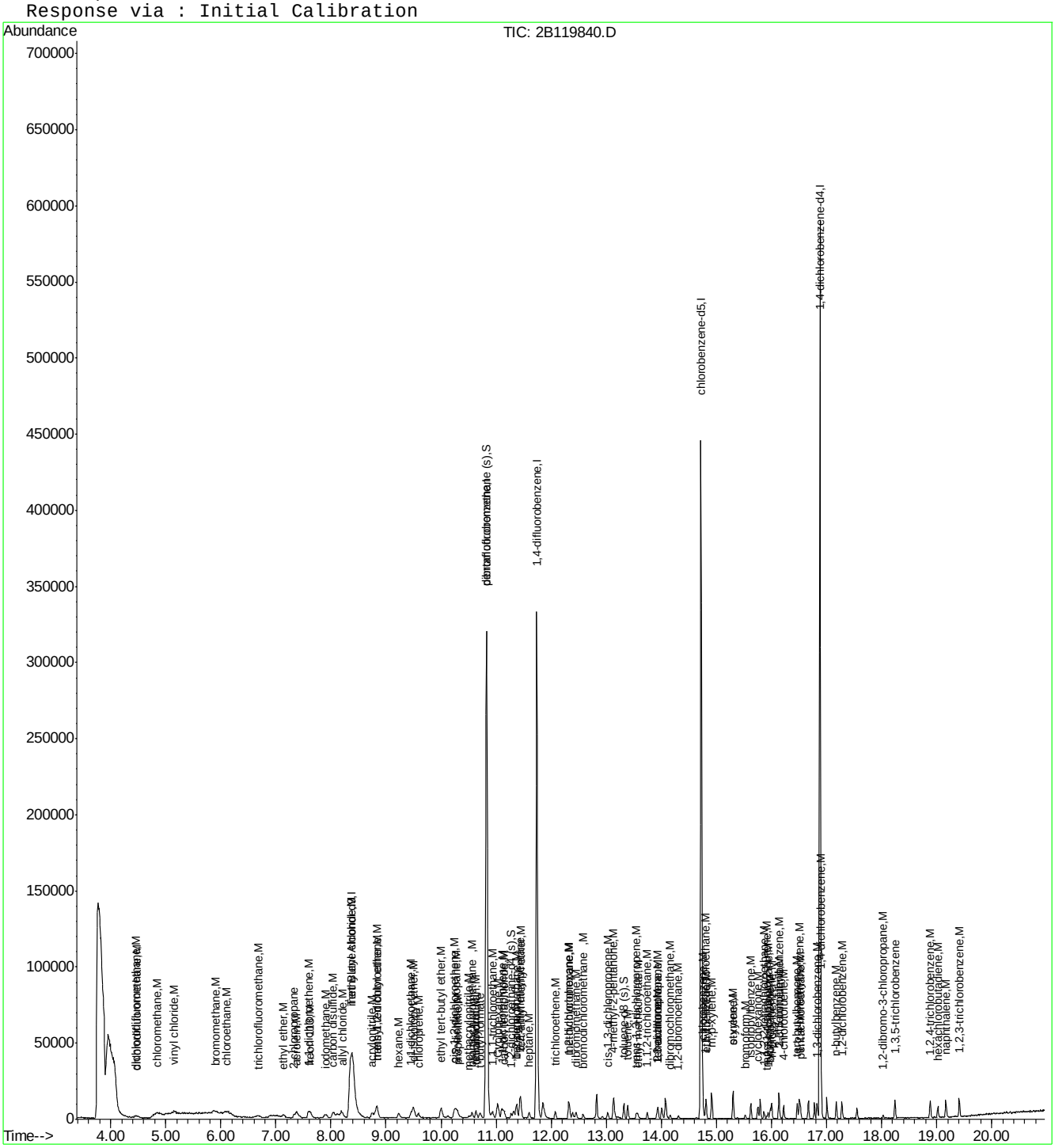
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
128) 1,3,5-trichlorobenzene	18.24	180	4577	0.92	ug/L	99
129) 1,2,4-trichlorobenzene	18.89	180	4318	0.87	ug/L	96
130) hexachlorobutadiene	19.02	225	1983	0.88	ug/L	97
131) naphthalene	19.17	128	9499	0.98	ug/L	93
132) 1,2,3-trichlorobenzene	19.41	180	4411	0.96	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2B119840.D M2B5440.M Fri Jun 06 14:37:23 2014 MS2B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:37 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Manual Integration Approval Summary

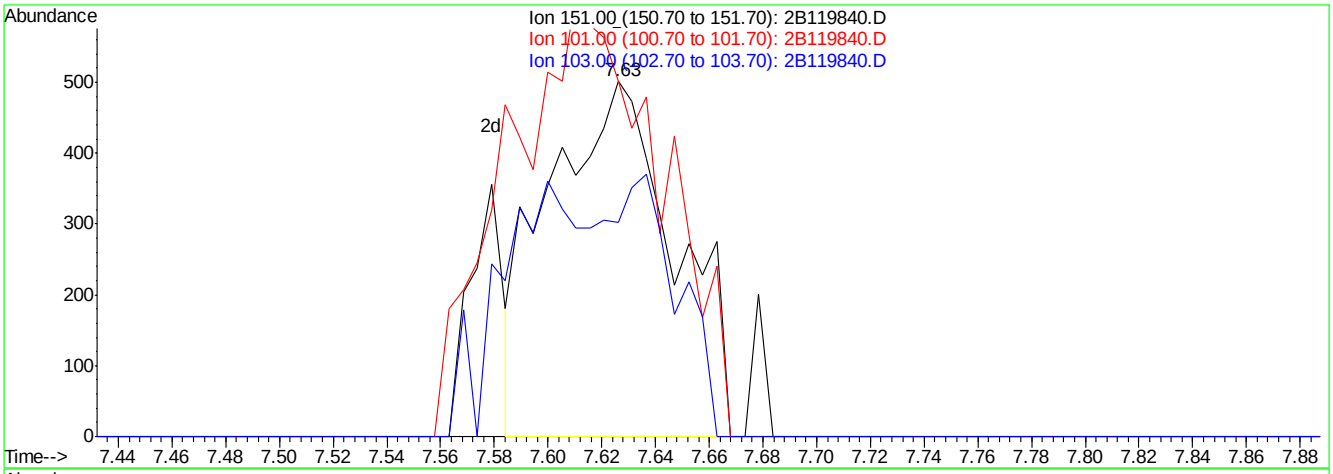
Sample Number:	V2B5440-IC5440	**Method:**	SW846 8260B
Lab FileID:	2B119840.D	**Analyst approved:**	06/04/14 13:44 Ying Li
Injection Time:	06/03/14 18:20	**Supervisor approved:**	06/06/14 10:07 Jessica Reitan-Chu

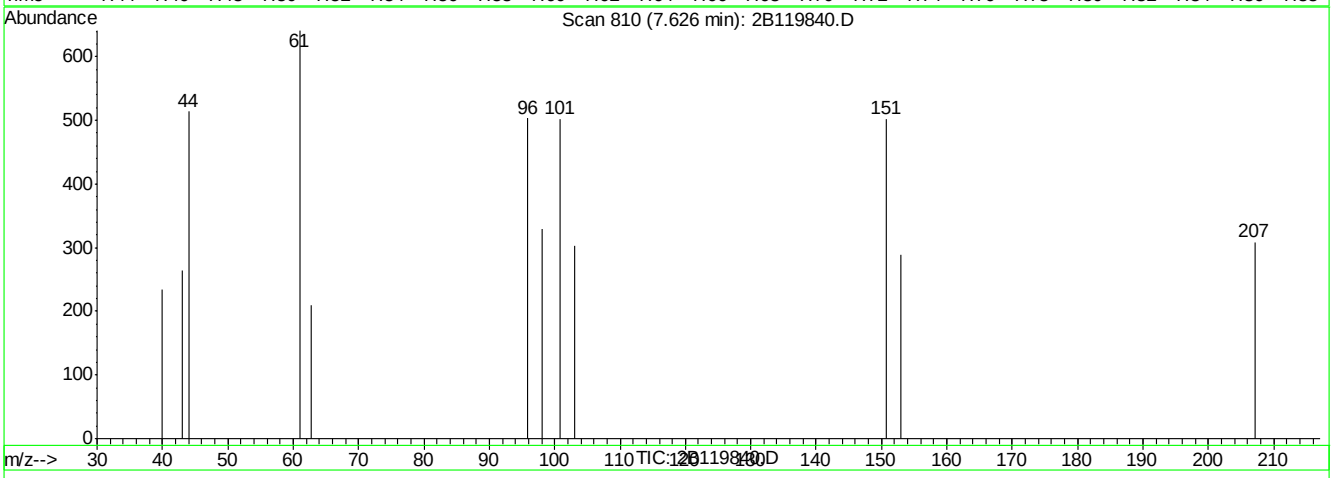
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		4.84	Split peak
Chloroethane	75-00-3		6.10	Split peak
Freon 113	76-13-1		7.63	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:44 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Multiple Level Calibration





(53) freon 113 (M)

7.63min 0.80ug/L

response 1651

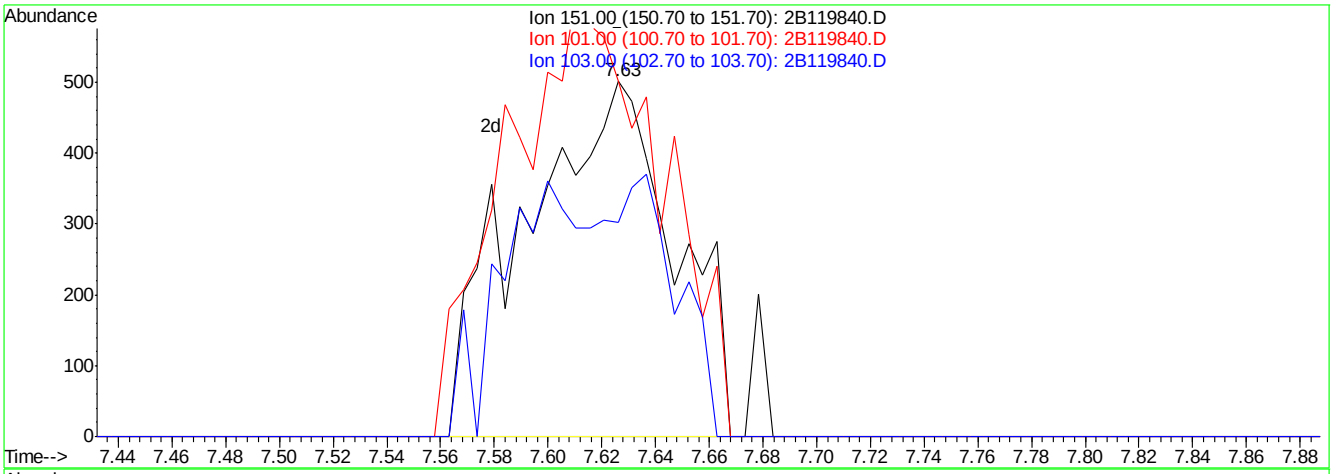
Ion	Exp%	Act%
151.00	100	100
101.00	110.00	100.00
103.00	72.30	60.36
0.00	0.00	0.00

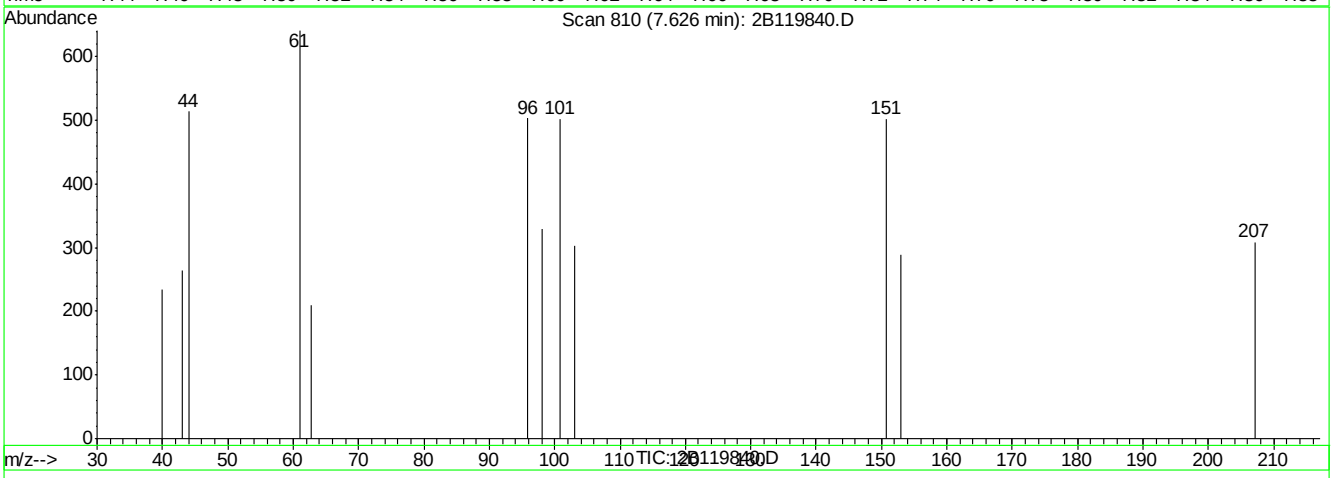
2B119840.D M2B5440.M Wed Jun 04 11:45:15 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:45 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Multiple Level Calibration





(53) freon 113 (M)

7.63min 0.95ug/L m

response 1958

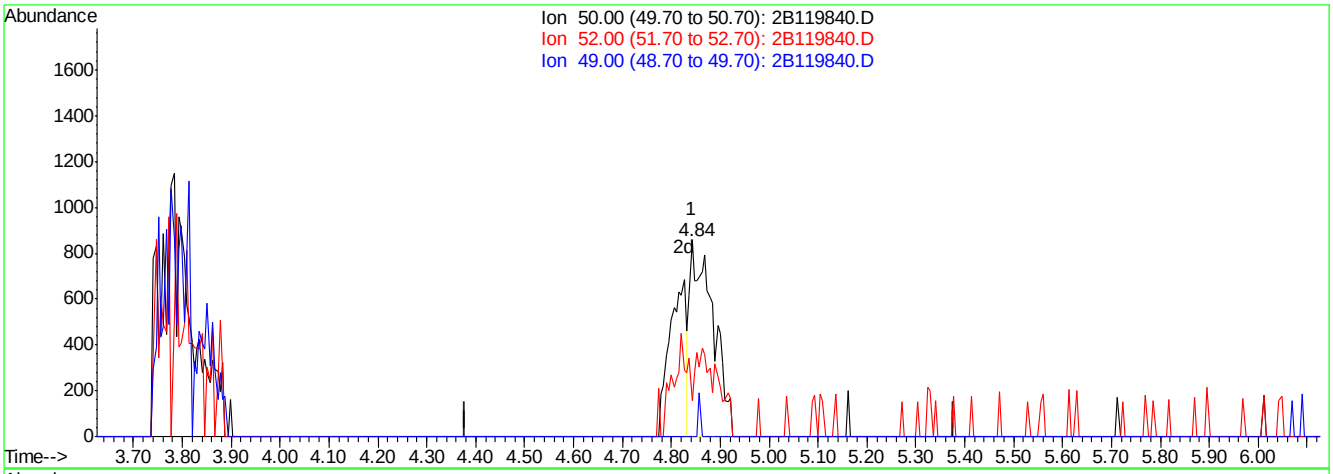
Ion	Exp%	Act%
151.00	100	100
101.00	110.00	100.00
103.00	72.30	60.36
0.00	0.00	0.00

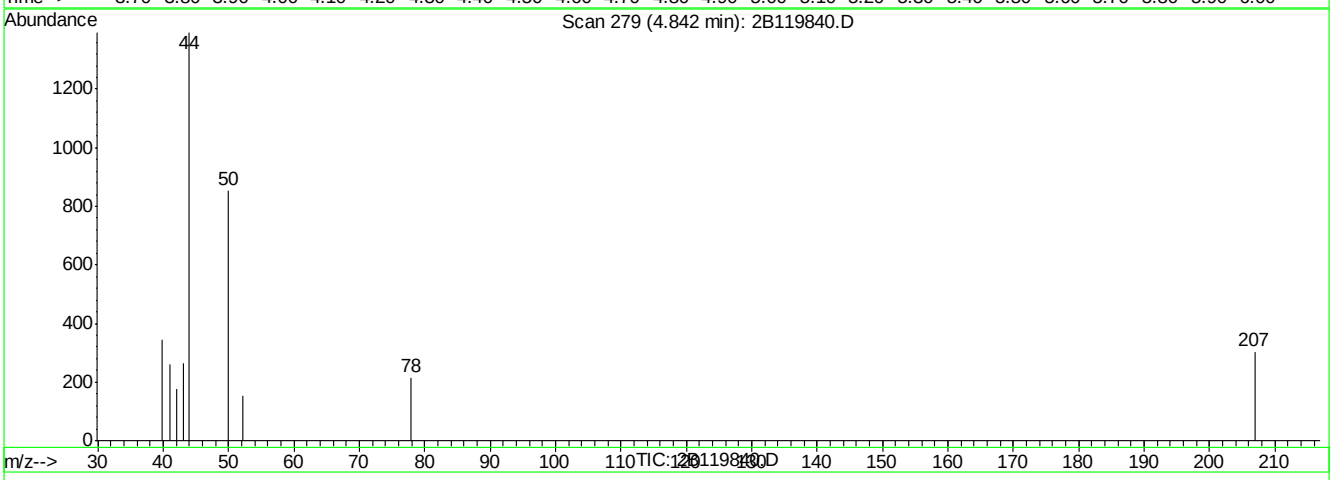
2B119840.D M2B5440.M Wed Jun 04 11:45:20 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:04 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.60ug/L

response 2808

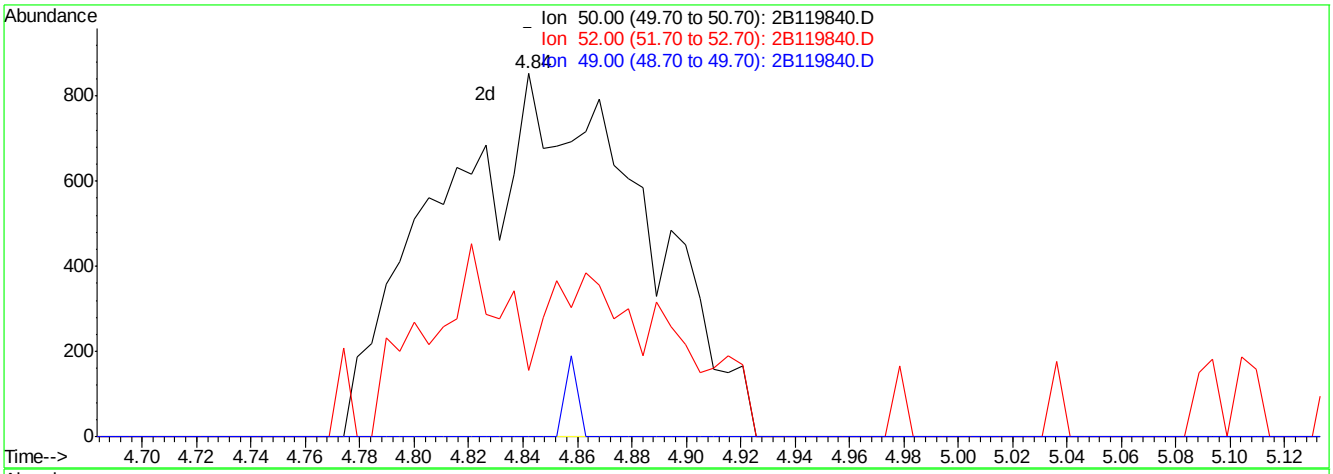
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	18.15
49.00	9.90	0.00
0.00	0.00	0.00

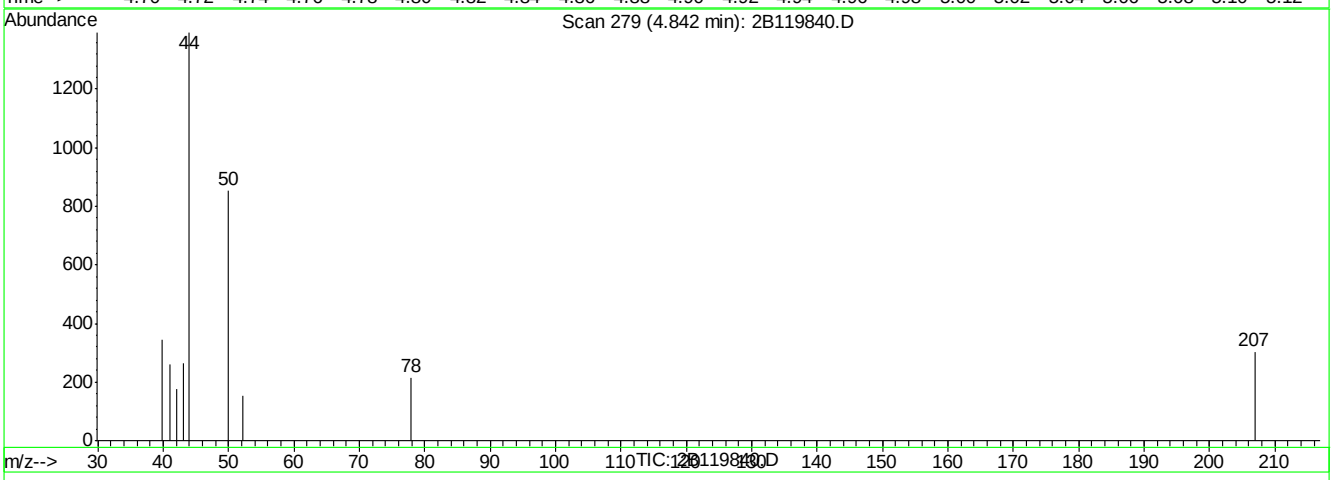
2B119840.D M2B5440.M Wed Jun 04 12:25:18 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:25 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.95ug/L m

response 4440

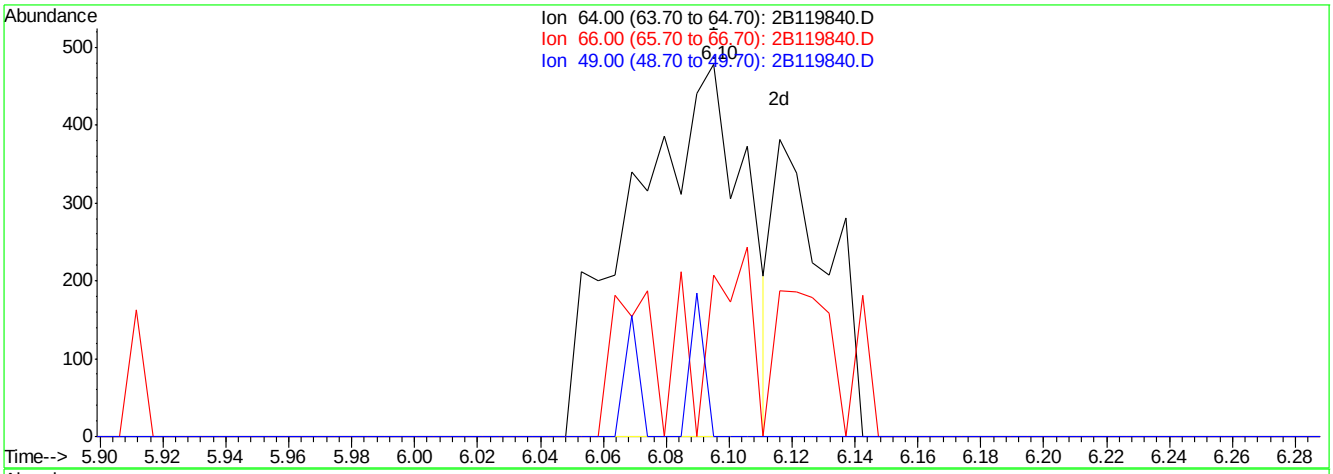
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	18.15
49.00	9.90	0.00
0.00	0.00	0.00

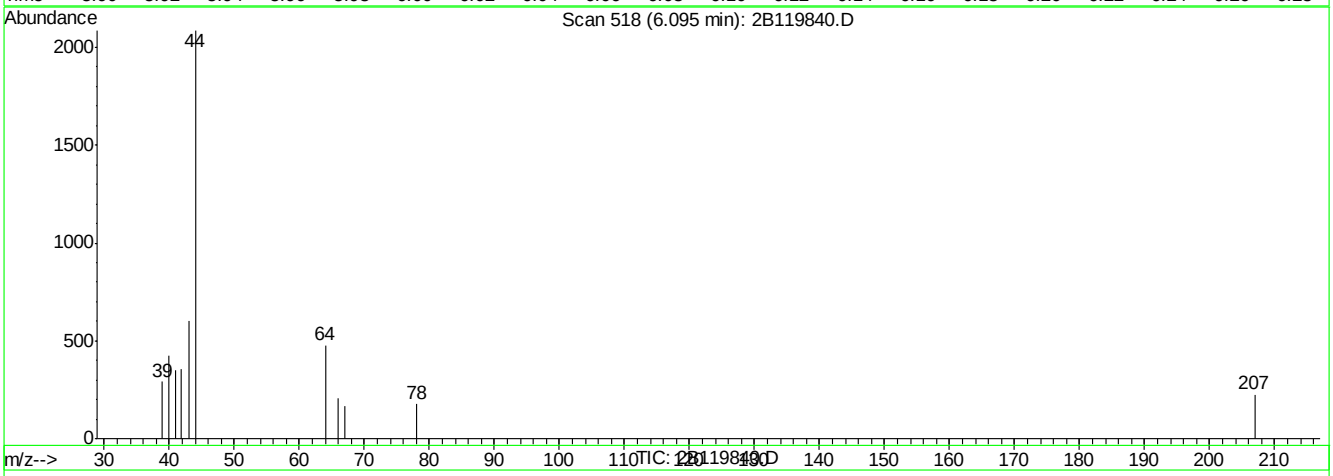
2B119840.D M2B5440.M Wed Jun 04 12:25:26 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:25 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(16) chloroethane (M)

6.10min 0.66ug/L

response 1187

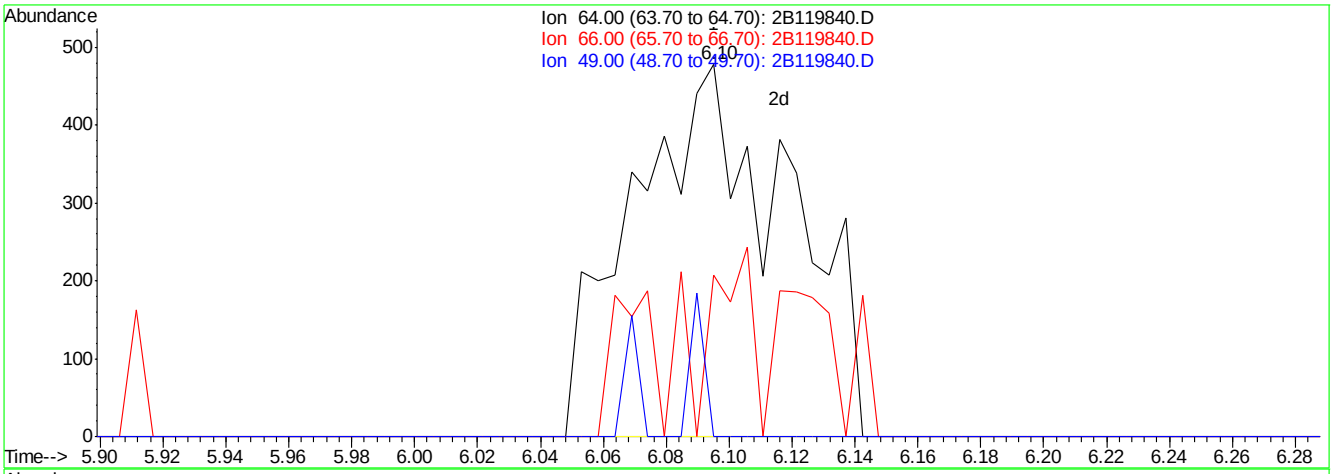
Ion	Exp%	Act%
64.00	100	100
66.00	32.40	43.51
49.00	25.50	0.00
0.00	0.00	0.00

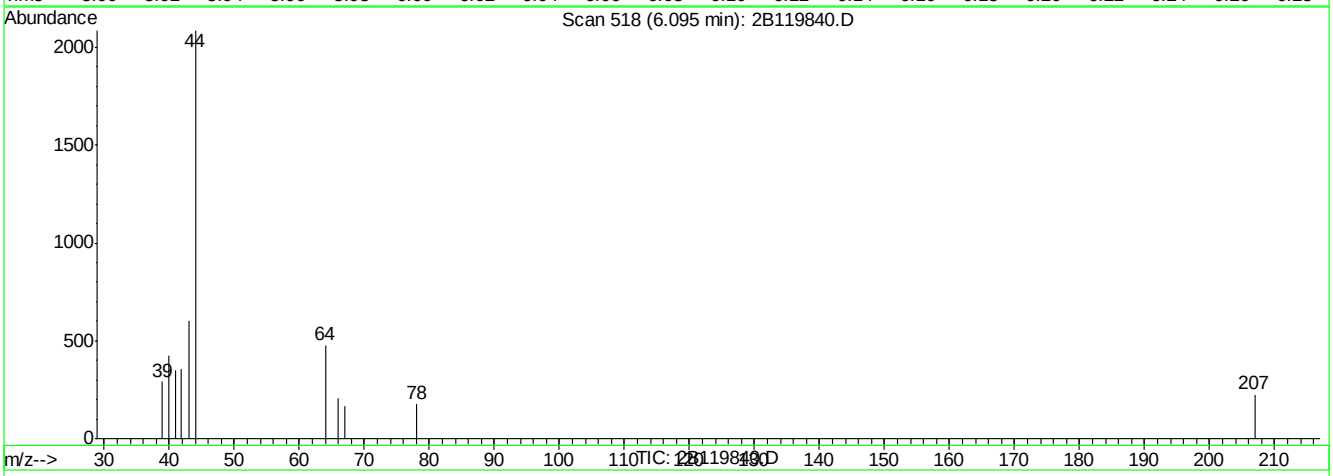
2B119840.D M2B5440.M Wed Jun 04 12:26:33 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:26 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(16) chloroethane (M)

6.10min 0.91ug/L m

response 1638

Ion	Exp%	Act%
64.00	100	100
66.00	32.40	43.51
49.00	25.50	0.00
0.00	0.00	0.00

2B119840.D M2B5440.M Wed Jun 04 12:26:40 2014 MS2B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:55:09 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:55:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	141862	500.00	ug/L		0.00
5) pentafluorobenzene	10.82	168	293359	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	306955	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	247473	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	146766	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.84	113	4994	2.42	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 4.84%#				
52) 1,2-dichloroethane-d4 (s)	11.27	65	4357	2.36	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 4.72%#				
82) toluene-d8 (s)	13.32	98	12668	2.36	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 4.72%#				
108) 4-bromofluorobenzene (s)	15.79	95	6234	2.83	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 5.66%#				
Target Compounds							Qvalue
9) chlorodifluoromethane	4.49	51	5984	2.18	ug/L		77
10) dichlorodifluoromethane	4.47	85	7969	2.14	ug/L		87
12) chloromethane	4.87	50	10552	2.27	ug/L		96
13) vinyl chloride	5.17	62	10691	2.44	ug/L		98
15) bromomethane	5.90	94	7057	2.51	ug/L		93
16) chloroethane	6.08	64	4247	2.37	ug/L		94
18) trichlorofluoromethane	6.68	101	10063	2.32	ug/L		92
20) ethyl ether	7.13	74	2195	1.86	ug/L		88
21) acrolein	7.38	56	10630	21.11	ug/L		93
22) 2-chloropropane	7.34	43	9471	2.15	ug/L		93
24) 1,1-dichloroethene	7.59	96	4778	1.97	ug/L		96
26) allyl chloride	8.20	76	2427	2.16	ug/L	#	66
27) acetonitrile	8.12	40	4359	30.02	ug/L		91
28) iodomethane	7.89	142	10213	2.02	ug/L		95
29) iso-butyl alcohol	11.12	74	488	19.98	ug/L	#	36
30) carbon disulfide	8.05	76	19684	2.08	ug/L		99
31) methylene chloride	8.39	84	5810	2.16	ug/L		82
32) methyl acetate	8.19	74	656	1.83	ug/L	#	54
33) 1-chloropropane	8.46	42	9838	2.36	ug/L		86
34) methyl tert butyl ether	8.81	73	15000	1.97	ug/L		92
35) trans-1,2-dichloroethene	8.83	96	4898	2.12	ug/L	#	72
36) di-isopropyl ether	9.49	45	18454	2.44	ug/L		97
38) 1,1-dichloroethane	9.45	63	8085	2.01	ug/L		97
39) chloroprene	9.59	53	5950	2.25	ug/L		87
40) acrylonitrile	8.74	53	9260	9.66	ug/L		97
42) ethyl tert-butyl ether	10.00	59	18910	2.57	ug/L		93
44) 2,2-dichloropropane	10.28	77	7527	2.09	ug/L		96
45) cis-1,2-dichloroethene	10.25	96	5100	1.95	ug/L		84
46) propionitrile	10.30	54	6963	19.76	ug/L		84
47) bromochloromethane	10.57	128	2485	1.98	ug/L		73
48) tetrahydrofuran	10.64	42	1471	1.96	ug/L		90
49) chloroform	10.64	83	7761	2.08	ug/L		94
50) t-butyl formate	10.70	59	4401	2.53	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:55:09 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:55:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	freon 113	7.64	151	4669	2.28	ug/L		79
54)	methacrylonitrile	10.52	41	2417	1.89	ug/L		90
55)	1,1,1-trichloroethane	10.93	97	7051	2.01	ug/L		96
56)	Cyclohexane	11.03	84	7370	2.12	ug/L	#	81
61)	epichlorohydrin	12.92	57	2845	16.49	ug/L		85
63)	carbon tetrachloride	11.14	117	6378	2.06	ug/L		99
64)	1,1-dichloropropene	11.11	75	5007	2.04	ug/L		90
65)	hexane	9.23	57	4952	2.25	ug/L		92
66)	benzene	11.37	78	14643	1.95	ug/L		98
67)	2,2,4-trimethylpentane	11.43	57	14971	2.06	ug/L		95
68)	tert-amyl methyl ether	11.44	73	18512	2.65	ug/L		96
69)	heptane	11.60	57	2193	2.02	ug/L		92
70)	isopropyl acetate	11.32	43	10438	2.90	ug/L		97
71)	1,2-dichloroethane	11.36	62	4371	1.88	ug/L		95
72)	trichloroethene	12.07	95	3387	1.83	ug/L		98
75)	2-chloroethyl vinyl ether	12.82	63	13038	13.99	ug/L		98
76)	methyl methacrylate	12.34	100	525	1.25	ug/L	#	42
77)	1,2-dichloropropane	12.32	63	3405	1.73	ug/L		93
78)	dibromomethane	12.45	93	2175	1.83	ug/L		81
79)	methylcyclohexane	12.32	83	7559	2.15	ug/L		92
80)	bromodichloromethane	12.58	83	4365	1.76	ug/L		94
81)	cis-1,3-dichloropropene	13.03	75	4752	1.71	ug/L		95
83)	4-methyl-2-pentanone	13.13	58	1618	1.86	ug/L	#	69
84)	toluene	13.39	92	7281	1.75	ug/L		99
85)	3-methyl-1-butanol	13.13	55	7545	78.38	ug/L		97
86)	trans-1,3-dichloropropene	13.55	75	4421	1.81	ug/L		92
87)	ethyl methacrylate	13.57	69	3282	1.56	ug/L		93
88)	1,1,2-trichloroethane	13.74	83	2417	1.76	ug/L		97
89)	2-hexanone	13.93	58	1142	1.85	ug/L		91
92)	tetrachloroethene	13.94	164	2847	1.76	ug/L		90
93)	1,3-dichloropropane	13.92	76	4370	1.83	ug/L		97
95)	3,3-dimethyl-1-butanol	14.08	57	10553	40.29	ug/L		96
96)	dibromochloromethane	14.16	129	3456	1.69	ug/L		97
97)	1,2-dibromoethane	14.31	107	2879	1.70	ug/L		92
98)	chlorobenzene	14.75	112	8048	1.78	ug/L		90
99)	1,1,1,2-tetrachloroethane	14.80	131	3863	1.73	ug/L		95
100)	ethylbenzene	14.82	91	12872	1.64	ug/L		96
101)	m,p-xylene	14.92	106	9465	3.09	ug/L		91
102)	o-xylene	15.30	106	5316	1.65	ug/L		100
103)	styrene	15.31	104	7712	1.64	ug/L		93
105)	bromoform	15.53	173	2734	1.88	ug/L		87
107)	isopropylbenzene	15.62	105	13710	1.53	ug/L		94
109)	cyclohexanone	15.75	98	2170	15.67	ug/L	#	77
110)	bromobenzene	15.98	156	4128	1.69	ug/L		90
111)	1,1,2,2-tetrachloroethane	15.87	83	5439	1.87	ug/L		96
112)	trans-1,4-dichloro-2-buten	15.91	53	951	1.90	ug/L		87
113)	1,2,3-trichloropropane	15.94	110	1102	1.93	ug/L		89
114)	n-propylbenzene	16.00	91	15364	1.67	ug/L		100
115)	2-chlorotoluene	16.13	126	3675	1.68	ug/L		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:55:09 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:55:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

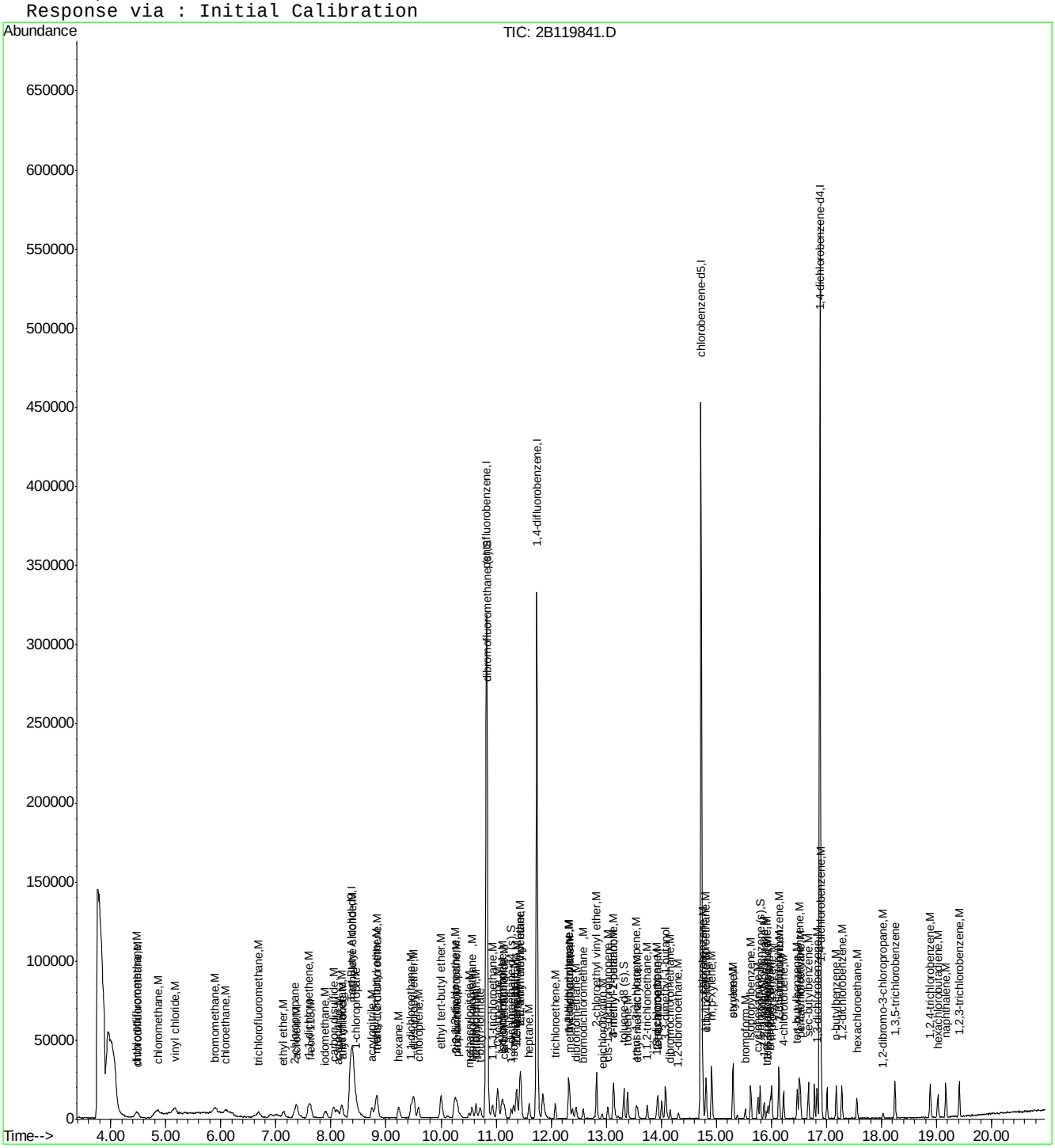
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
116) 4-chlorotoluene	16.22	91	10092	1.80	ug/L		94
117) 1,3,5-trimethylbenzene	16.14	105	11165	1.52	ug/L		89
118) tert-butylbenzene	16.47	119	9401	1.44	ug/L		98
119) pentachloroethane	16.52	167	3235	1.74	ug/L		93
120) 1,2,4-trimethylbenzene	16.50	105	11307	1.59	ug/L		94
121) sec-butylbenzene	16.67	105	15515	1.57	ug/L		99
122) 1,3-dichlorobenzene	16.83	146	8472	1.83	ug/L		96
124) 1,4-dichlorobenzene	16.91	146	8517	1.85	ug/L		94
125) 1,2-dichlorobenzene	17.28	146	9123	1.80	ug/L		92
126) n-butylbenzene	17.17	92	6141	1.54	ug/L		95
127) 1,2-dibromo-3-chloropropan	18.03	75	1065	2.21	ug/L	#	78
128) 1,3,5-trichlorobenzene	18.24	180	8432	1.72	ug/L		94
129) 1,2,4-trichlorobenzene	18.88	180	8066	1.65	ug/L		99
130) hexachlorobutadiene	19.02	225	3656	1.65	ug/L		96
131) naphthalene	19.17	128	17215	1.80	ug/L		95
132) 1,2,3-trichlorobenzene	19.41	180	8360	1.84	ug/L		99
133) hexachloroethane	17.56	201	2407	1.35	ug/L		92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:37 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:58:58 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:58:54 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	136189	500.00	ug/L		-0.01
5) pentafluorobenzene	10.82	168	277299	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	294905	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	239396	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	141888	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.83	113	10090	5.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 10.36%#				
52) 1,2-dichloroethane-d4 (s)	11.27	65	9743	5.57	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 11.14%#				
82) toluene-d8 (s)	13.32	98	28607	5.55	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 11.10%#				
108) 4-bromofluorobenzene (s)	15.79	95	10959	5.14	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 10.28%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.49	59	9714	29.36	ug/L		90
4) 1,4-dioxane	12.43	88	4211	138.80	ug/L		87
9) chlorodifluoromethane	4.48	51	16178	6.22	ug/L		96
10) dichlorodifluoromethane	4.47	85	21887	6.21	ug/L		99
12) chloromethane	4.84	50	26035	5.93	ug/L		99
13) vinyl chloride	5.17	62	26763	6.47	ug/L		99
15) bromomethane	5.90	94	16908	6.37	ug/L		95
16) chloroethane	6.09	64	10394	6.13	ug/L		93
18) trichlorofluoromethane	6.68	101	25784	6.28	ug/L		92
20) ethyl ether	7.13	74	6099	5.46	ug/L		87
21) acrolein	7.37	56	26440	55.54	ug/L		99
22) 2-chloropropane	7.33	43	24798	5.94	ug/L		98
24) 1,1-dichloroethene	7.59	96	14104	6.15	ug/L		84
25) acetone	7.64	43	4924	6.66	ug/L		90
26) allyl chloride	8.19	76	5895	5.56	ug/L		96
27) acetonitrile	8.12	40	9906	72.17	ug/L	#	78
28) iodomethane	7.89	142	28202	5.89	ug/L		98
29) iso-butyl alcohol	11.12	74	1263	54.72	ug/L	#	27
30) carbon disulfide	8.04	76	53237	5.95	ug/L		95
31) methylene chloride	8.38	84	15526	6.10	ug/L		87
32) methyl acetate	8.20	74	1814	5.35	ug/L	#	76
33) 1-chloropropane	8.45	42	23674	6.01	ug/L		96
34) methyl tert butyl ether	8.82	73	40337	5.61	ug/L		98
35) trans-1,2-dichloroethene	8.83	96	12582	5.77	ug/L		95
36) di-isopropyl ether	9.50	45	42833	5.98	ug/L		97
37) 2-butanone	10.23	72	1160	4.77	ug/L	#	86
38) 1,1-dichloroethane	9.45	63	21724	5.72	ug/L		92
39) chloroprene	9.59	53	14367	5.76	ug/L		93
40) acrylonitrile	8.74	53	25096	27.69	ug/L		98
41) vinyl acetate	9.46	86	1416	4.62	ug/L		89
42) ethyl tert-butyl ether	10.00	59	40829	5.88	ug/L		98
43) ethyl acetate	10.26	45	1333	5.34	ug/L	#	62
44) 2,2-dichloropropane	10.27	77	19939	5.85	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:58:58 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:58:54 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	13383	5.43	ug/L		99
46)	propionitrile	10.29	54	20155	60.51	ug/L		91
47)	bromochloromethane	10.56	128	6765	5.70	ug/L		95
48)	tetrahydrofuran	10.63	42	3549	5.00	ug/L		87
49)	chloroform	10.63	83	20495	5.81	ug/L		97
50)	t-butyl formate	10.70	59	9574	5.83	ug/L		94
53)	freon 113	7.61	151	12019	6.21	ug/L		96
54)	methacrylonitrile	10.50	41	6536	5.40	ug/L		97
55)	1,1,1-trichloroethane	10.93	97	19288	5.82	ug/L		97
56)	Cyclohexane	11.03	84	19273	5.88	ug/L	#	76
61)	epichlorohydrin	12.92	57	4723	28.49	ug/L		93
62)	n-butyl alcohol	11.85	56	18340	288.33	ug/L		97
63)	carbon tetrachloride	11.14	117	17160	5.77	ug/L		99
64)	1,1-dichloropropene	11.11	75	12689	5.37	ug/L		95
65)	hexane	9.23	57	12207	5.77	ug/L		92
66)	benzene	11.37	78	39541	5.47	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	40323	5.77	ug/L		97
68)	tert-amyl methyl ether	11.44	73	36880	5.49	ug/L		93
69)	heptane	11.60	57	5944	5.69	ug/L		87
70)	isopropyl acetate	11.32	43	18738	5.41	ug/L		98
71)	1,2-dichloroethane	11.36	62	11871	5.30	ug/L		82
72)	trichloroethene	12.07	95	8940	5.03	ug/L		96
74)	2-nitropropane	13.13	46	566	5.04	ug/L		98
75)	2-chloroethyl vinyl ether	12.82	63	24566	27.45	ug/L		96
76)	methyl methacrylate	12.34	100	2105	5.22	ug/L	#	63
77)	1,2-dichloropropane	12.32	63	9642	5.09	ug/L		91
78)	dibromomethane	12.45	93	6011	5.26	ug/L		89
79)	methylcyclohexane	12.32	83	18761	5.55	ug/L		96
80)	bromodichloromethane	12.58	83	12606	5.30	ug/L		98
81)	cis-1,3-dichloropropene	13.03	75	13854	5.19	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	4822	5.76	ug/L	#	76
84)	toluene	13.39	92	20267	5.08	ug/L		88
85)	3-methyl-1-butanol	13.13	55	10953	118.43	ug/L		96
86)	trans-1,3-dichloropropene	13.55	75	12281	5.24	ug/L		94
87)	ethyl methacrylate	13.57	69	10729	5.32	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	6964	5.29	ug/L		90
89)	2-hexanone	13.93	58	3286	5.55	ug/L		99
92)	tetrachloroethene	13.94	164	8097	5.19	ug/L		96
93)	1,3-dichloropropane	13.92	76	12446	5.39	ug/L		90
94)	butyl acetate	14.01	56	5944	5.59	ug/L	#	75
95)	3,3-dimethyl-1-butanol	14.08	57	14754	58.23	ug/L		95
96)	dibromochloromethane	14.16	129	10069	5.10	ug/L		93
97)	1,2-dibromoethane	14.31	107	8375	5.10	ug/L		94
98)	chlorobenzene	14.75	112	23016	5.25	ug/L		98
99)	1,1,1,2-tetrachloroethane	14.80	131	11151	5.15	ug/L		97
100)	ethylbenzene	14.81	91	36958	4.87	ug/L		98
101)	m,p-xylene	14.91	106	28846	9.74	ug/L		97
102)	o-xylene	15.30	106	15732	5.06	ug/L		94
103)	styrene	15.31	104	23092	5.06	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:58:58 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:58:54 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

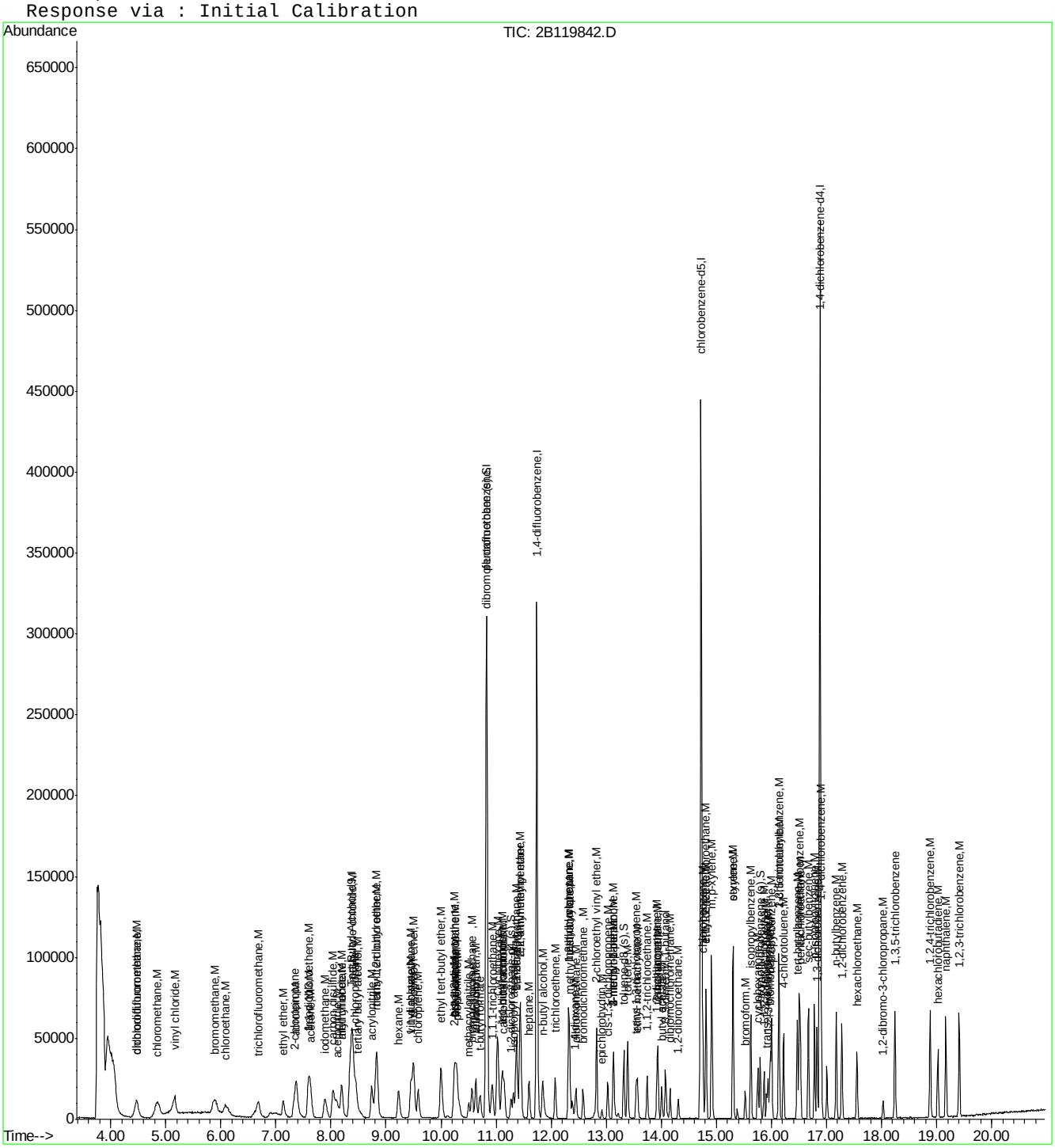
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.53	173	8017	5.70	ug/L	99
107)	isopropylbenzene	15.63	105	40505	4.69	ug/L	98
109)	cyclohexanone	15.75	98	5584	41.70	ug/L	95
110)	bromobenzene	15.98	156	11974	5.08	ug/L	89
111)	1,1,2,2-tetrachloroethane	15.86	83	14764	5.26	ug/L	95
112)	trans-1,4-dichloro-2-buten	15.91	53	2734	5.64	ug/L	91
113)	1,2,3-trichloropropane	15.94	110	3278	5.94	ug/L	95
114)	n-propylbenzene	16.00	91	43715	4.93	ug/L	99
115)	2-chlorotoluene	16.13	126	10704	5.06	ug/L	98
116)	4-chlorotoluene	16.22	91	28012	5.18	ug/L	98
117)	1,3,5-trimethylbenzene	16.14	105	33799	4.77	ug/L	98
118)	tert-butylbenzene	16.47	119	28094	4.44	ug/L	97
119)	pentachloroethane	16.52	167	9358	5.22	ug/L	91
120)	1,2,4-trimethylbenzene	16.51	105	33361	4.86	ug/L	99
121)	sec-butylbenzene	16.67	105	45456	4.75	ug/L	99
122)	1,3-dichlorobenzene	16.83	146	23501	5.26	ug/L	95
123)	p-isopropyltoluene	16.78	119	37696	4.71	ug/L	96
124)	1,4-dichlorobenzene	16.91	146	23330	5.24	ug/L	99
125)	1,2-dichlorobenzene	17.28	146	24621	5.01	ug/L	97
126)	n-butylbenzene	17.17	92	18664	4.83	ug/L	95
127)	1,2-dibromo-3-chloropropan	18.02	75	2625	5.63	ug/L	93
128)	1,3,5-trichlorobenzene	18.24	180	23614	4.99	ug/L	96
129)	1,2,4-trichlorobenzene	18.88	180	22852	4.84	ug/L	100
130)	hexachlorobutadiene	19.02	225	10618	4.94	ug/L	89
131)	naphthalene	19.17	128	48778	5.26	ug/L	98
132)	1,2,3-trichlorobenzene	19.41	180	23335	5.32	ug/L	99
133)	hexachloroethane	17.56	201	7453	4.33	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:37 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:15 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	141534	500.00	ug/L	-0.01
5) pentafluorobenzene	10.82	168	283603	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	299435	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	245170	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	139819	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	21359	10.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 21.44%#			
52) 1,2-dichloroethane-d4 (s)	11.27	65	20424	11.42	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 22.84%#			
82) toluene-d8 (s)	13.32	98	61939	11.84	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 23.68%#			
108) 4-bromofluorobenzene (s)	15.79	95	21081	10.04	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 20.08%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.49	59	18404	53.53	ug/L #	49
4) 1,4-dioxane	12.44	88	8310	263.57	ug/L	93
9) chlorodifluoromethane	4.49	51	32078	12.06	ug/L	98
10) dichlorodifluoromethane	4.47	85	41561	11.53	ug/L	97
12) chloromethane	4.87	50	49494	11.02	ug/L	99
13) vinyl chloride	5.17	62	49942	11.81	ug/L	99
15) bromomethane	5.89	94	31648	11.65	ug/L	98
16) chloroethane	6.08	64	20334	11.72	ug/L	94
18) trichlorofluoromethane	6.68	101	49484	11.79	ug/L	97
20) ethyl ether	7.14	74	13128	11.48	ug/L	88
21) acrolein	7.37	56	58793	120.76	ug/L	99
22) 2-chloropropane	7.34	43	48677	11.41	ug/L	99
24) 1,1-dichloroethene	7.61	96	26844	11.44	ug/L	90
25) acetone	7.65	43	8599	11.38	ug/L	96
26) allyl chloride	8.19	76	12736	11.74	ug/L	95
27) acetonitrile	8.11	40	18682	133.08	ug/L	92
28) iodomethane	7.89	142	55752	11.39	ug/L	96
29) iso-butyl alcohol	11.12	74	2733	115.77	ug/L #	43
30) carbon disulfide	8.05	76	105937	11.57	ug/L	98
31) methylene chloride	8.39	84	30852	11.85	ug/L	97
32) methyl acetate	8.19	74	3991	11.51	ug/L	94
33) 1-chloropropane	8.45	42	43276	10.74	ug/L	97
34) methyl tert butyl ether	8.83	73	82834	11.26	ug/L	98
35) trans-1,2-dichloroethene	8.84	96	25394	11.39	ug/L	86
36) di-isopropyl ether	9.50	45	87288	11.91	ug/L	94
37) 2-butanone	10.22	72	2593	10.43	ug/L	95
38) 1,1-dichloroethane	9.45	63	43613	11.22	ug/L	99
39) chloroprene	9.59	53	30007	11.76	ug/L	97
40) acrylonitrile	8.74	53	49712	53.63	ug/L	98
41) vinyl acetate	9.46	86	3246	10.36	ug/L	97
42) ethyl tert-butyl ether	10.00	59	84852	11.94	ug/L	98
43) ethyl acetate	10.25	45	2658	10.42	ug/L	74
44) 2,2-dichloropropane	10.28	77	40457	11.60	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:15 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	27698	10.98	ug/L		94
46)	propionitrile	10.29	54	38926	114.27	ug/L		98
47)	bromochloromethane	10.56	128	14071	11.59	ug/L		97
48)	tetrahydrofuran	10.63	42	7643	10.53	ug/L		93
49)	chloroform	10.63	83	39813	11.03	ug/L		95
50)	t-butyl formate	10.71	59	19606	11.67	ug/L		93
53)	freon 113	7.63	151	24259	12.26	ug/L		98
54)	methacrylonitrile	10.50	41	12997	10.49	ug/L		92
55)	1,1,1-trichloroethane	10.93	97	37925	11.19	ug/L		95
56)	Cyclohexane	11.03	84	39172	11.68	ug/L		83
61)	epichlorohydrin	12.92	57	9491	56.39	ug/L		91
62)	n-butyl alcohol	11.84	56	36708	568.37	ug/L		99
63)	carbon tetrachloride	11.15	117	33933	11.24	ug/L		98
64)	1,1-dichloropropene	11.11	75	26819	11.18	ug/L		99
65)	hexane	9.23	57	25059	11.66	ug/L		96
66)	benzene	11.37	78	80600	10.98	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	80382	11.33	ug/L		97
68)	tert-amyl methyl ether	11.44	73	75531	11.07	ug/L		95
69)	heptane	11.60	57	12334	11.63	ug/L		94
70)	isopropyl acetate	11.31	43	38000	10.81	ug/L		96
71)	1,2-dichloroethane	11.36	62	24131	10.62	ug/L		91
72)	trichloroethene	12.07	95	18735	10.37	ug/L		94
74)	2-nitropropane	13.13	46	1032	9.05	ug/L	#	84
75)	2-chloroethyl vinyl ether	12.82	63	50571	55.64	ug/L		99
76)	methyl methacrylate	12.34	100	4249	10.38	ug/L	#	70
77)	1,2-dichloropropane	12.31	63	19436	10.11	ug/L		97
78)	dibromomethane	12.45	93	11951	10.30	ug/L		95
79)	methylcyclohexane	12.32	83	38709	11.27	ug/L		95
80)	bromodichloromethane	12.58	83	24720	10.23	ug/L		98
81)	cis-1,3-dichloropropene	13.03	75	27259	10.07	ug/L		97
83)	4-methyl-2-pentanone	13.13	58	9069	10.67	ug/L		97
84)	toluene	13.39	92	40315	9.95	ug/L		99
85)	3-methyl-1-butanol	13.13	55	22039	234.70	ug/L		99
86)	trans-1,3-dichloropropene	13.55	75	24338	10.24	ug/L		98
87)	ethyl methacrylate	13.57	69	20813	10.17	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	13041	9.75	ug/L		97
89)	2-hexanone	13.93	58	6076	10.11	ug/L		93
92)	tetrachloroethene	13.94	164	15907	9.95	ug/L		95
93)	1,3-dichloropropane	13.92	76	24174	10.21	ug/L		98
94)	butyl acetate	14.01	56	11186	10.28	ug/L		99
95)	3,3-dimethyl-1-butanol	14.07	57	28902	111.38	ug/L		97
96)	dibromochloromethane	14.16	129	18885	9.34	ug/L		96
97)	1,2-dibromoethane	14.31	107	15999	9.51	ug/L		95
98)	chlorobenzene	14.75	112	44605	9.94	ug/L		98
99)	1,1,1,2-tetrachloroethane	14.80	131	21679	9.78	ug/L		98
100)	ethylbenzene	14.81	91	73658	9.48	ug/L		100
101)	m,p-xylene	14.91	106	57091	18.83	ug/L		96
102)	o-xylene	15.30	106	31715	9.96	ug/L		98
103)	styrene	15.30	104	45363	9.71	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:15 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

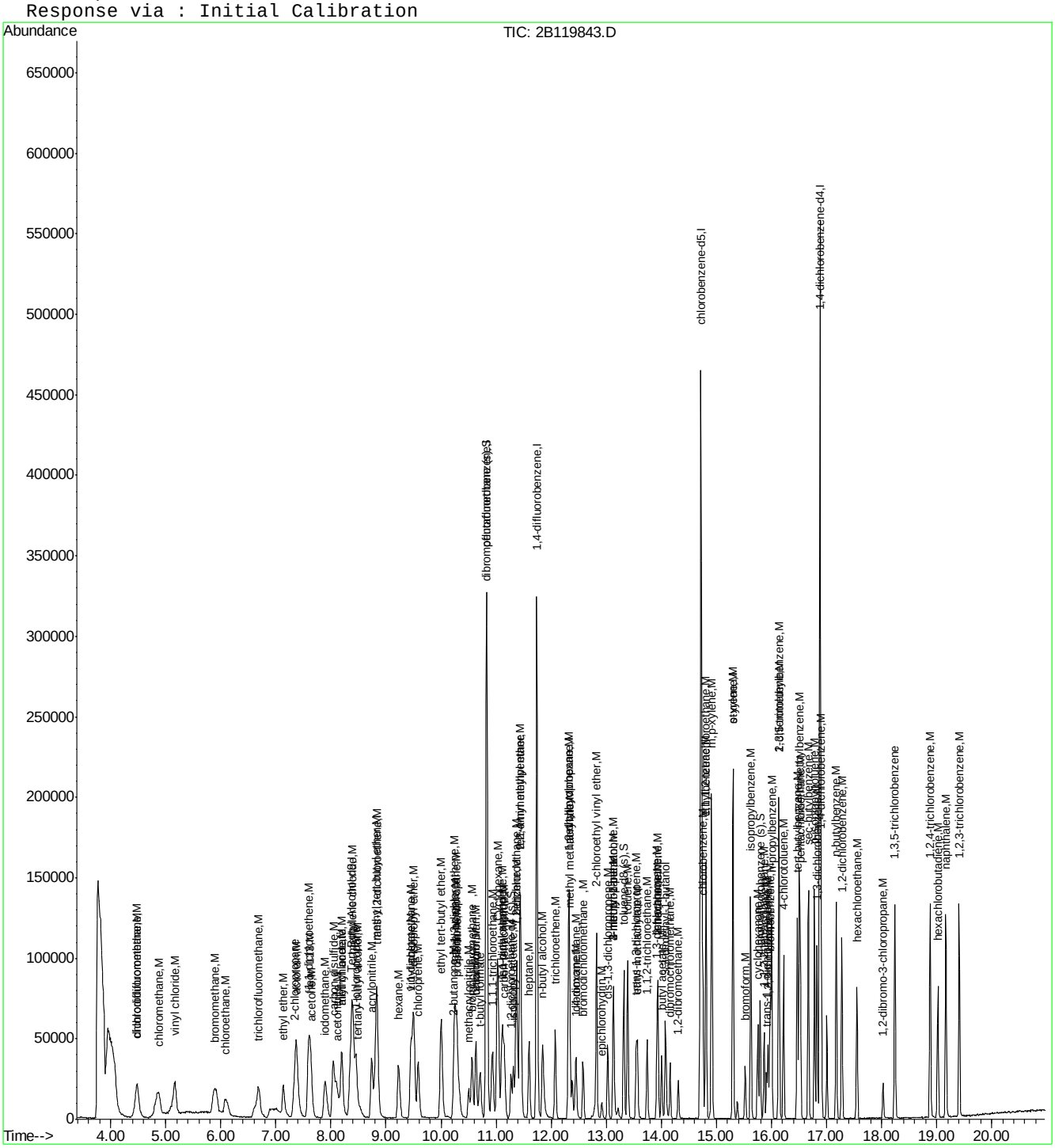
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.53	173	14936	10.37	ug/L	99
107) isopropylbenzene	15.62	105	83922	9.86	ug/L	98
109) cyclohexanone	15.75	98	10660	80.79	ug/L	98
110) bromobenzene	15.97	156	22577	9.72	ug/L	92
111) 1,1,2,2-tetrachloroethane	15.87	83	26423	9.55	ug/L	99
112) trans-1,4-dichloro-2-buten	15.91	53	5055	10.58	ug/L	90
113) 1,2,3-trichloropropane	15.94	110	6179	11.37	ug/L	92
114) n-propylbenzene	16.00	91	88352	10.11	ug/L	100
115) 2-chlorotoluene	16.13	126	20285	9.73	ug/L	94
116) 4-chlorotoluene	16.22	91	53148	9.97	ug/L	96
117) 1,3,5-trimethylbenzene	16.14	105	68318	9.78	ug/L	98
118) tert-butylbenzene	16.47	119	58645	9.41	ug/L	98
119) pentachloroethane	16.52	167	17770	10.06	ug/L	95
120) 1,2,4-trimethylbenzene	16.51	105	69635	10.29	ug/L	100
121) sec-butylbenzene	16.67	105	92063	9.77	ug/L	99
122) 1,3-dichlorobenzene	16.83	146	43523	9.88	ug/L	99
123) p-isopropyltoluene	16.78	119	77031	9.76	ug/L	97
124) 1,4-dichlorobenzene	16.91	146	42908	9.79	ug/L	98
125) 1,2-dichlorobenzene	17.28	146	47022	9.71	ug/L	99
126) n-butylbenzene	17.17	92	37285	9.79	ug/L	91
127) 1,2-dibromo-3-chloropropan	18.03	75	5319	11.58	ug/L	96
128) 1,3,5-trichlorobenzene	18.24	180	45235	9.70	ug/L	94
129) 1,2,4-trichlorobenzene	18.88	180	45113	9.70	ug/L	100
130) hexachlorobutadiene	19.02	225	20511	9.69	ug/L	97
131) naphthalene	19.17	128	96798	10.60	ug/L	99
132) 1,2,3-trichlorobenzene	19.41	180	45080	10.43	ug/L	98
133) hexachloroethane	17.56	201	15666	9.24	ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:38 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:20 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	142226	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	295024	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	320131	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	260124	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	145375	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	109998	53.08	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 106.16%			
52) 1,2-dichloroethane-d4 (s)	11.27	65	106638	57.33	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 114.66%			
82) toluene-d8 (s)	13.32	98	314474	56.21	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 112.42%			
108) 4-bromofluorobenzene (s)	15.79	95	107508	49.23	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 98.46%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.50	59	34221	99.05	ug/L	79
4) 1,4-dioxane	12.43	88	15713	495.94	ug/L	96
9) chlorodifluoromethane	4.49	51	62535	22.61	ug/L	99
10) dichlorodifluoromethane	4.48	85	80059	21.35	ug/L	98
12) chloromethane	4.87	50	100683	21.55	ug/L	98
13) vinyl chloride	5.17	62	97169	22.08	ug/L	98
15) bromomethane	5.91	94	62792	22.23	ug/L	97
16) chloroethane	6.08	64	40471	22.42	ug/L	94
18) trichlorofluoromethane	6.69	101	95306	21.83	ug/L	98
20) ethyl ether	7.14	74	28521	23.98	ug/L	92
21) acrolein	7.38	56	122414	241.71	ug/L	99
22) 2-chloropropane	7.35	43	100303	22.60	ug/L	95
24) 1,1-dichloroethene	7.61	96	55615	22.79	ug/L	96
25) acetone	7.64	43	17323	22.03	ug/L	93
26) allyl chloride	8.20	76	26559	23.54	ug/L	96
27) acetonitrile	8.12	40	37115	254.15	ug/L	91
28) iodomethane	7.89	142	115443	22.67	ug/L	98
29) iso-butyl alcohol	11.10	74	5774	235.12	ug/L	92
30) carbon disulfide	8.05	76	216076	22.68	ug/L	99
31) methylene chloride	8.39	84	62735	23.16	ug/L	96
32) methyl acetate	8.19	74	8597	23.84	ug/L	97
33) 1-chloropropane	8.46	42	84785	20.22	ug/L	97
34) methyl tert butyl ether	8.82	73	170477	22.29	ug/L	98
35) trans-1,2-dichloroethene	8.84	96	51503	22.21	ug/L	93
36) di-isopropyl ether	9.50	45	181846	23.86	ug/L	99
37) 2-butanone	10.22	72	5524	21.35	ug/L #	80
38) 1,1-dichloroethane	9.45	63	91847	22.71	ug/L	98
39) chloroprene	9.59	53	62614	23.60	ug/L	97
40) acrylonitrile	8.74	53	106641	110.59	ug/L	98
41) vinyl acetate	9.46	86	7206	22.12	ug/L	88
42) ethyl tert-butyl ether	10.01	59	177504	24.01	ug/L	99
43) ethyl acetate	10.26	45	6304	23.75	ug/L	84
44) 2,2-dichloropropane	10.28	77	79657	21.96	ug/L	99

(#) = qualifier out of range (m) = manual integration
2B119844.D M2B5440.M Fri Jun 06 14:38:34 2014 MS2B Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:20 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	57776	22.02	ug/L		96
46)	propionitrile	10.29	54	79715	224.95	ug/L		97
47)	bromochloromethane	10.57	128	29038	22.99	ug/L		93
48)	tetrahydrofuran	10.64	42	15835	20.98	ug/L		94
49)	chloroform	10.63	83	82939	22.10	ug/L		99
50)	t-butyl formate	10.71	59	41611	23.82	ug/L		96
53)	freon 113	7.63	151	47851	23.24	ug/L		96
54)	methacrylonitrile	10.50	41	28128	21.83	ug/L		98
55)	1,1,1-trichloroethane	10.93	97	77181	21.88	ug/L		98
56)	Cyclohexane	11.03	84	78843	22.60	ug/L		91
61)	epichlorohydrin	12.92	57	19049	105.87	ug/L		96
62)	n-butyl alcohol	11.84	56	71306	1032.69	ug/L		96
63)	carbon tetrachloride	11.14	117	68871	21.34	ug/L		98
64)	1,1-dichloropropene	11.11	75	53550	20.89	ug/L		99
65)	hexane	9.23	57	51161	22.26	ug/L		98
66)	benzene	11.37	78	168716	21.49	ug/L		100
67)	2,2,4-trimethylpentane	11.44	57	173379	22.85	ug/L		99
68)	tert-amyl methyl ether	11.44	73	159442	21.86	ug/L		99
69)	heptane	11.60	57	26229	23.14	ug/L		98
70)	isopropyl acetate	11.32	43	78755	20.95	ug/L		98
71)	1,2-dichloroethane	11.36	62	51224	21.08	ug/L		93
72)	trichloroethene	12.07	95	39672	20.55	ug/L		96
74)	2-nitropropane	13.13	46	2347	19.24	ug/L	#	57
75)	2-chloroethyl vinyl ether	12.82	63	109221	112.41	ug/L		100
76)	methyl methacrylate	12.34	100	9224	21.08	ug/L	#	75
77)	1,2-dichloropropane	12.32	63	41830	20.36	ug/L		98
78)	dibromomethane	12.45	93	25761	20.77	ug/L		94
79)	methylcyclohexane	12.32	83	80574	21.95	ug/L		97
80)	bromodichloromethane	12.58	83	52068	20.15	ug/L		97
81)	cis-1,3-dichloropropene	13.03	75	58719	20.28	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	18738	20.63	ug/L		92
84)	toluene	13.39	92	85358	19.71	ug/L		100
85)	3-methyl-1-butanol	13.13	55	42842	426.74	ug/L		99
86)	trans-1,3-dichloropropene	13.55	75	50618	19.91	ug/L		99
87)	ethyl methacrylate	13.57	69	45336	20.73	ug/L		95
88)	1,1,2-trichloroethane	13.74	83	27944	19.54	ug/L		99
89)	2-hexanone	13.93	58	13773	21.43	ug/L		98
92)	tetrachloroethene	13.94	164	33455	19.72	ug/L		97
93)	1,3-dichloropropane	13.92	76	51573	20.54	ug/L		98
94)	butyl acetate	14.00	56	23435	20.29	ug/L		94
95)	3,3-dimethyl-1-butanol	14.08	57	55357	201.07	ug/L		97
96)	dibromochloromethane	14.16	129	40350	18.82	ug/L		98
97)	1,2-dibromoethane	14.31	107	33891	18.99	ug/L		98
98)	chlorobenzene	14.75	112	92621	19.45	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	45241	19.24	ug/L		97
100)	ethylbenzene	14.81	91	154142	18.69	ug/L		99
101)	m,p-xylene	14.91	106	120013	37.30	ug/L		98
102)	o-xylene	15.30	106	68666	20.32	ug/L		99
103)	styrene	15.30	104	99529	20.08	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:20 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

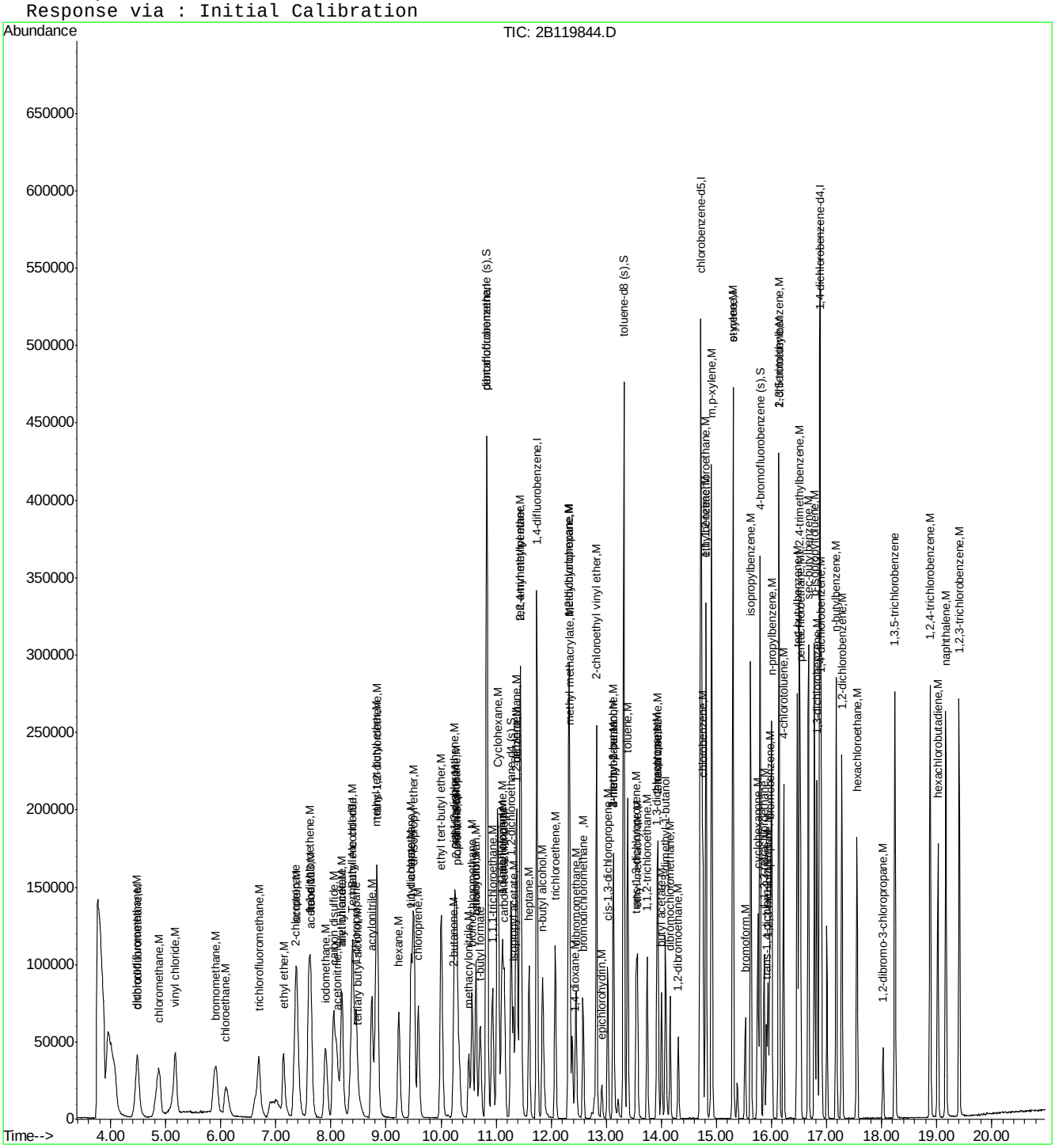
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.52	173	30933	20.24	ug/L	99
107) isopropylbenzene	15.62	105	182733	20.64	ug/L	99
109) cyclohexanone	15.75	98	23425	170.74	ug/L	96
110) bromobenzene	15.98	156	46429	19.23	ug/L	98
111) 1,1,2,2-tetrachloroethane	15.87	83	52107	18.12	ug/L	99
112) trans-1,4-dichloro-2-buten	15.91	53	10333	20.80	ug/L	94
113) 1,2,3-trichloropropane	15.94	110	11291	19.98	ug/L	89
114) n-propylbenzene	16.00	91	183870	20.23	ug/L	98
115) 2-chlorotoluene	16.13	126	42908	19.79	ug/L	98
116) 4-chlorotoluene	16.22	91	108694	19.61	ug/L	98
117) 1,3,5-trimethylbenzene	16.14	105	147446	20.30	ug/L	97
118) tert-butylbenzene	16.47	119	132663	20.47	ug/L	98
119) pentachloroethane	16.52	167	37279	20.30	ug/L	97
120) 1,2,4-trimethylbenzene	16.51	105	145704	20.71	ug/L	99
121) sec-butylbenzene	16.67	105	199921	20.41	ug/L	100
122) 1,3-dichlorobenzene	16.83	146	88784	19.39	ug/L	97
123) p-isopropyltoluene	16.78	119	167125	20.37	ug/L	99
124) 1,4-dichlorobenzene	16.91	146	88298	19.37	ug/L	98
125) 1,2-dichlorobenzene	17.28	146	97080	19.29	ug/L	99
126) n-butylbenzene	17.17	92	80587	20.35	ug/L	97
127) 1,2-dibromo-3-chloropropan	18.02	75	10402	21.78	ug/L	87
128) 1,3,5-trichlorobenzene	18.24	180	97009	20.01	ug/L	97
129) 1,2,4-trichlorobenzene	18.88	180	95491	19.74	ug/L	99
130) hexachlorobutadiene	19.02	225	41433	18.83	ug/L	96
131) naphthalene	19.17	128	201665	21.24	ug/L	99
132) 1,2,3-trichlorobenzene	19.41	180	93613	20.83	ug/L	99
133) hexachloroethane	17.56	201	34791	19.74	ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:38 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:26 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	137788	500.00	ug/L	-0.01
5) pentafluorobenzene	10.82	168	276059	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	305016	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	245269	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	131397	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	105795	54.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 109.12%			
52) 1,2-dichloroethane-d4 (s)	11.26	65	103461	59.44	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 118.88%			
82) toluene-d8 (s)	13.32	98	313199	58.76	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 117.52%			
108) 4-bromofluorobenzene (s)	15.79	95	103288	52.33	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.66%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.50	59	80440	240.33	ug/L	91
4) 1,4-dioxane	12.43	88	40230	1310.65	ug/L	98
9) chlorodifluoromethane	4.49	51	167270	64.63	ug/L	98
10) dichlorodifluoromethane	4.47	85	214661	61.18	ug/L	100
12) chloromethane	4.87	50	260831	59.67	ug/L	99
13) vinyl chloride	5.17	62	256234	62.23	ug/L	98
15) bromomethane	5.91	94	151335	57.25	ug/L	98
16) chloroethane	6.08	64	97898	57.96	ug/L	98
18) trichlorofluoromethane	6.68	101	248079	60.72	ug/L	96
20) ethyl ether	7.13	74	65744	59.07	ug/L	95
21) acrolein	7.37	56	297787	628.38	ug/L	96
22) 2-chloropropane	7.33	43	234262	56.41	ug/L	99
24) 1,1-dichloroethene	7.60	96	131055	57.40	ug/L	98
25) acetone	7.64	43	40083	54.48	ug/L	95
26) allyl chloride	8.19	76	62968	59.64	ug/L	90
27) acetonitrile	8.10	40	89579	655.55	ug/L	97
28) iodomethane	7.90	142	282337	59.26	ug/L	97
29) iso-butyl alcohol	11.10	74	13568	590.45	ug/L	93
30) carbon disulfide	8.05	76	518851	58.21	ug/L	100
31) methylene chloride	8.39	84	147316	58.12	ug/L	99
32) methyl acetate	8.18	74	20435	60.56	ug/L	91
33) 1-chloropropane	8.45	42	204852	52.22	ug/L	99
34) methyl tert butyl ether	8.82	73	410648	57.37	ug/L	98
35) trans-1,2-dichloroethene	8.83	96	120515	55.54	ug/L	95
36) di-isopropyl ether	9.50	45	442283	62.02	ug/L	99
37) 2-butanone	10.22	72	14024	57.93	ug/L	97
38) 1,1-dichloroethane	9.45	63	220147	58.18	ug/L	98
39) chloroprene	9.58	53	152030	61.23	ug/L	98
40) acrylonitrile	8.73	53	250314	277.41	ug/L	99
41) vinyl acetate	9.46	86	17591	57.70	ug/L	83
42) ethyl tert-butyl ether	10.00	59	442267	63.94	ug/L	99
43) ethyl acetate	10.26	45	14970	60.28	ug/L	79
44) 2,2-dichloropropane	10.27	77	193575	57.02	ug/L	99

(#) = qualifier out of range (m) = manual integration
2B119845.D M2B5440.M Fri Jun 06 14:38:53 2014 MS2B Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:26 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	135958	55.37	ug/L		99
46)	propionitrile	10.28	54	184731	557.11	ug/L		99
47)	bromochloromethane	10.56	128	68532	57.98	ug/L		93
48)	tetrahydrofuran	10.63	42	36437	51.59	ug/L		97
49)	chloroform	10.63	83	198717	56.58	ug/L		99
50)	t-butyl formate	10.70	59	105221	64.37	ug/L		95
53)	freon 113	7.63	151	117591	61.05	ug/L		98
54)	methacrylonitrile	10.50	41	66750	55.35	ug/L		99
55)	1,1,1-trichloroethane	10.93	97	193906	58.76	ug/L		99
56)	Cyclohexane	11.03	84	200311	61.36	ug/L	#	79
61)	epichlorohydrin	12.92	57	47131	274.91	ug/L		98
62)	n-butyl alcohol	11.84	56	179040	2721.44	ug/L		99
63)	carbon tetrachloride	11.14	117	170197	55.35	ug/L		98
64)	1,1-dichloropropene	11.11	75	133543	54.67	ug/L		98
65)	hexane	9.23	57	127196	58.08	ug/L		98
66)	benzene	11.37	78	411989	55.09	ug/L		100
67)	2,2,4-trimethylpentane	11.44	57	445297	61.60	ug/L		98
68)	tert-amyl methyl ether	11.44	73	390914	56.24	ug/L		99
69)	heptane	11.60	57	65791	60.92	ug/L		97
70)	isopropyl acetate	11.31	43	201569	56.27	ug/L		99
71)	1,2-dichloroethane	11.36	62	122302	52.82	ug/L		94
72)	trichloroethene	12.07	95	99470	54.07	ug/L		99
74)	2-nitropropane	13.13	46	6111	52.59	ug/L		94
75)	2-chloroethyl vinyl ether	12.82	63	275787	297.90	ug/L		98
76)	methyl methacrylate	12.34	100	22884	54.89	ug/L	#	73
77)	1,2-dichloropropane	12.32	63	100825	51.50	ug/L		97
78)	dibromomethane	12.45	93	61674	52.18	ug/L		99
79)	methylcyclohexane	12.32	83	208045	59.48	ug/L		99
80)	bromodichloromethane	12.58	83	128028	52.01	ug/L		98
81)	cis-1,3-dichloropropene	13.02	75	149348	54.14	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	47171	54.50	ug/L		95
84)	toluene	13.39	92	215874	52.32	ug/L		99
85)	3-methyl-1-butanol	13.13	55	108407	1133.34	ug/L		100
86)	trans-1,3-dichloropropene	13.55	75	127502	52.64	ug/L		99
87)	ethyl methacrylate	13.57	69	114701	55.04	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	68268	50.10	ug/L		96
89)	2-hexanone	13.92	58	33924	55.41	ug/L		97
92)	tetrachloroethene	13.94	164	83286	52.07	ug/L		96
93)	1,3-dichloropropane	13.92	76	126578	53.46	ug/L		99
94)	butyl acetate	14.00	56	59556	54.69	ug/L		91
95)	3,3-dimethyl-1-butanol	14.07	57	149144	574.53	ug/L		99
96)	dibromochloromethane	14.16	129	98201	48.57	ug/L		100
97)	1,2-dibromoethane	14.31	107	84372	50.13	ug/L		97
98)	chlorobenzene	14.75	112	232100	51.69	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	113431	51.17	ug/L		99
100)	ethylbenzene	14.81	91	378225	48.64	ug/L		100
101)	m,p-xylene	14.91	106	299627	98.77	ug/L		100
102)	o-xylene	15.30	106	173466	54.44	ug/L		96
103)	styrene	15.30	104	246610	52.76	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:26 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

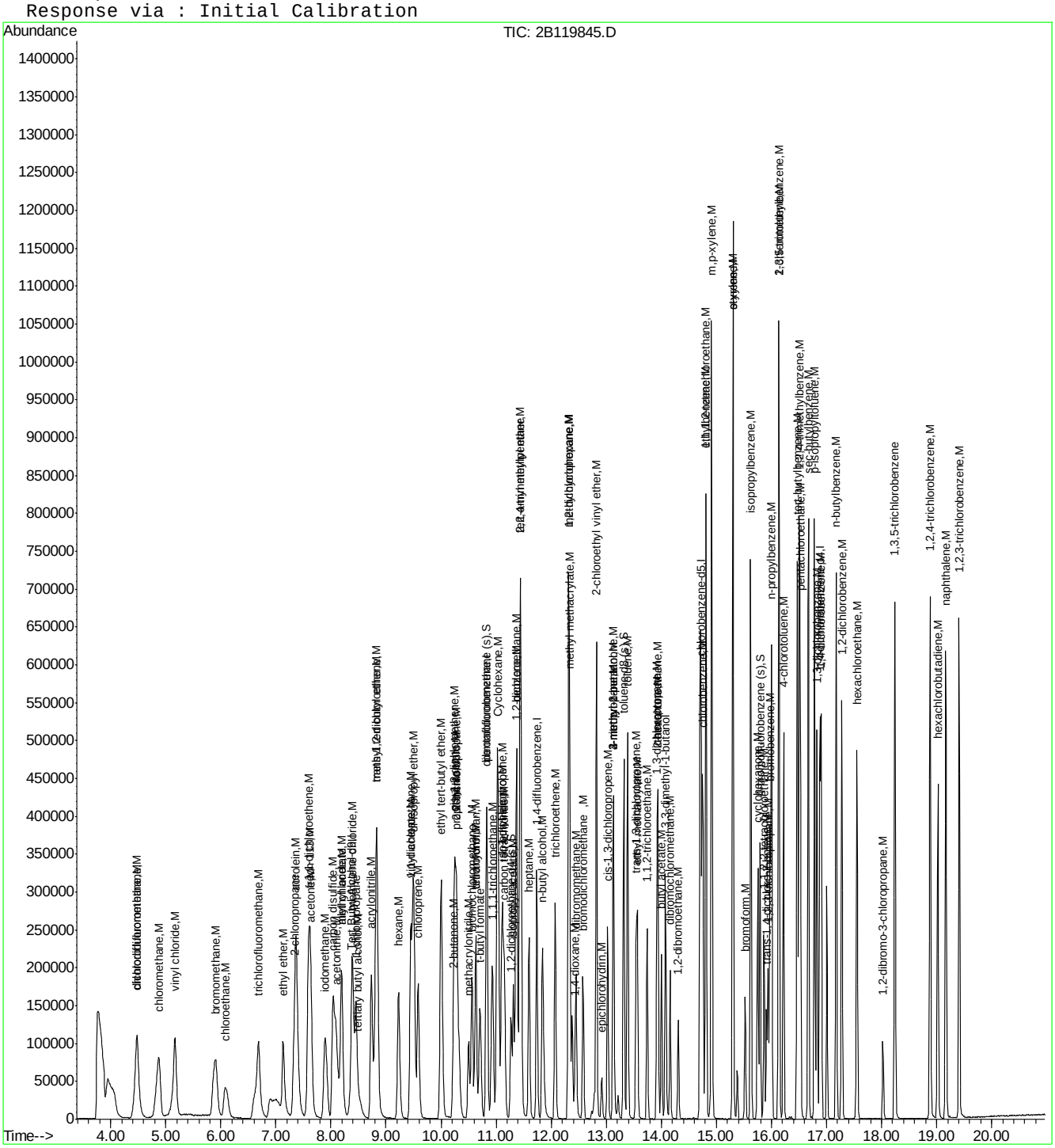
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.52	173	73983	51.33	ug/L	99
107)	isopropylbenzene	15.62	105	466053	58.24	ug/L	99
109)	cyclohexanone	15.75	98	59011	475.87	ug/L	95
110)	bromobenzene	15.98	156	112709	51.64	ug/L	100
111)	1,1,2,2-tetrachloroethane	15.87	83	120804	46.48	ug/L	97
112)	trans-1,4-dichloro-2-buten	15.91	53	24184	53.85	ug/L	98
113)	1,2,3-trichloropropane	15.94	110	26929	52.72	ug/L	99
114)	n-propylbenzene	16.00	91	450530	54.85	ug/L	98
115)	2-chlorotoluene	16.13	126	107477	54.85	ug/L	99
116)	4-chlorotoluene	16.22	91	262157	52.32	ug/L	100
117)	1,3,5-trimethylbenzene	16.14	105	372972	56.82	ug/L	99
118)	tert-butylbenzene	16.47	119	359241	61.34	ug/L	99
119)	pentachloroethane	16.52	167	93275	56.18	ug/L	97
120)	1,2,4-trimethylbenzene	16.50	105	353508	55.59	ug/L	100
121)	sec-butylbenzene	16.67	105	518344	58.54	ug/L	100
122)	1,3-dichlorobenzene	16.83	146	209034	50.51	ug/L	97
123)	p-isopropyltoluene	16.78	119	430983	58.13	ug/L	100
124)	1,4-dichlorobenzene	16.91	146	205329	49.83	ug/L	97
125)	1,2-dichlorobenzene	17.28	146	229216	50.38	ug/L	99
126)	n-butylbenzene	17.17	92	204127	57.04	ug/L	99
127)	1,2-dibromo-3-chloropropan	18.02	75	22850	52.93	ug/L	96
128)	1,3,5-trichlorobenzene	18.24	180	238620	54.46	ug/L	95
129)	1,2,4-trichlorobenzene	18.88	180	237419	54.31	ug/L	99
130)	hexachlorobutadiene	19.02	225	106956	53.78	ug/L	98
131)	naphthalene	19.17	128	491760	57.29	ug/L	99
132)	1,2,3-trichlorobenzene	19.41	180	232006	57.11	ug/L	99
133)	hexachloroethane	17.55	201	94642	59.42	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:38 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:38 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	147577	500.00	ug/L		0.00
5) pentafluorobenzene	10.82	168	286479	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	346713	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	259034	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	142336	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.83	113	439127	218.23	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 436.46%#				
52) 1,2-dichloroethane-d4 (s)	11.27	65	432185	239.27	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 478.54%#				
82) toluene-d8 (s)	13.32	98	1350684	222.92	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 445.84%#				
108) 4-bromofluorobenzene (s)	15.79	95	437899	204.81	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 409.62%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.51	59	344073	959.81	ug/L	#	50
4) 1,4-dioxane	12.43	88	170655	5190.98	ug/L		97
9) chlorodifluoromethane	4.47	51	685808	255.34	ug/L		99
10) dichlorodifluoromethane	4.46	85	850839	233.67	ug/L		99
12) chloromethane	4.87	50	1033718	227.86	ug/L		98
13) vinyl chloride	5.17	62	1010721	236.54	ug/L		97
15) bromomethane	5.89	94	510000	185.90	ug/L		99
16) chloroethane	6.07	64	349265	199.25	ug/L		98
18) trichlorofluoromethane	6.67	101	969249	228.60	ug/L		99
20) ethyl ether	7.13	74	258428	223.76	ug/L		91
21) acrolein	7.36	56	1111031	2259.20	ug/L		98
22) 2-chloropropane	7.33	43	929660	215.70	ug/L		99
24) 1,1-dichloroethene	7.59	96	517340	218.33	ug/L		100
25) acetone	7.63	43	151769	198.78	ug/L		98
26) allyl chloride	8.19	76	254605	232.37	ug/L		97
27) acetonitrile	8.10	40	342184	2413.06	ug/L		99
28) iodomethane	7.89	142	1147763	232.15	ug/L		99
29) iso-butyl alcohol	11.11	74	58313	2445.34	ug/L		96
30) carbon disulfide	8.04	76	2059448	222.63	ug/L		100
31) methylene chloride	8.38	84	591665	224.96	ug/L		99
32) methyl acetate	8.18	74	78501	224.17	ug/L	#	77
33) 1-chloropropane	8.45	42	803234	197.30	ug/L		100
34) methyl tert butyl ether	8.82	73	1597144	215.02	ug/L		99
35) trans-1,2-dichloroethene	8.83	96	471054	209.18	ug/L		95
36) di-isopropyl ether	9.50	45	1682013	227.29	ug/L		97
37) 2-butanone	10.22	72	61024	242.91	ug/L		97
38) 1,1-dichloroethane	9.45	63	872404	222.17	ug/L		99
39) chloroprene	9.58	53	616715	239.34	ug/L		97
40) acrylonitrile	8.73	53	996215	1063.91	ug/L		100
41) vinyl acetate	9.45	86	76952	243.23	ug/L		98
42) ethyl tert-butyl ether	10.00	59	1760793	245.32	ug/L		99
43) ethyl acetate	10.26	45	59523	230.97	ug/L		76
44) 2,2-dichloropropane	10.28	77	757488	215.02	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:38 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	543994	213.48	ug/L		97
46)	propionitrile	10.29	54	753332	2189.27	ug/L		99
47)	bromochloromethane	10.56	128	278239	226.82	ug/L		94
48)	tetrahydrofuran	10.63	42	147347	201.04	ug/L		97
49)	chloroform	10.63	83	787764	216.12	ug/L		98
50)	t-butyl formate	10.71	59	443186	261.25	ug/L		94
53)	freon 113	7.62	151	452156	226.20	ug/L		96
54)	methacrylonitrile	10.50	41	290129	231.84	ug/L		98
55)	1,1,1-trichloroethane	10.93	97	808101	235.96	ug/L		99
56)	Cyclohexane	11.03	84	817076	241.19	ug/L		96
61)	epichlorohydrin	12.92	57	212551	1090.69	ug/L		99
62)	n-butyl alcohol	11.85	56	851838	11390.92	ug/L		97
63)	carbon tetrachloride	11.14	117	691572	197.87	ug/L		99
64)	1,1-dichloropropene	11.11	75	572532	206.20	ug/L		98
65)	hexane	9.22	57	520510	209.10	ug/L		98
66)	benzene	11.37	78	1736887	204.31	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	1803686	219.50	ug/L		97
68)	tert-amyl methyl ether	11.44	73	1546288	195.71	ug/L		99
69)	heptane	11.60	57	287312	234.04	ug/L		99
70)	isopropyl acetate	11.32	43	885122	217.39	ug/L		98
71)	1,2-dichloroethane	11.36	62	508831	193.31	ug/L		95
72)	trichloroethene	12.07	95	441154	210.96	ug/L		98
74)	2-nitropropane	13.13	46	28973	219.34	ug/L	#	70
75)	2-chloroethyl vinyl ether	12.82	63	1149094	1091.95	ug/L		99
76)	methyl methacrylate	12.33	100	103021	217.40	ug/L		96
77)	1,2-dichloropropane	12.32	63	440307	197.85	ug/L		98
78)	dibromomethane	12.45	93	263369	196.04	ug/L		98
79)	methylcyclohexane	12.32	83	854105	214.81	ug/L		98
80)	bromodichloromethane	12.58	83	571370	204.18	ug/L		100
81)	cis-1,3-dichloropropene	13.02	75	661997	211.10	ug/L		100
83)	4-methyl-2-pentanone	13.13	58	215999	219.54	ug/L		95
84)	toluene	13.39	92	938392	200.07	ug/L		97
85)	3-methyl-1-butanol	13.13	55	502394	4620.62	ug/L		98
86)	trans-1,3-dichloropropene	13.55	75	560211	203.47	ug/L		99
87)	ethyl methacrylate	13.57	69	529987	223.74	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	297987	192.37	ug/L		97
89)	2-hexanone	13.92	58	161220	231.65	ug/L		96
92)	tetrachloroethene	13.94	164	354392	209.79	ug/L		98
93)	1,3-dichloropropane	13.92	76	550850	220.30	ug/L		98
94)	butyl acetate	14.00	56	273265	237.60	ug/L		87
95)	3,3-dimethyl-1-butanol	14.08	57	716877	2614.81	ug/L		99
96)	dibromochloromethane	14.16	129	439041	205.61	ug/L		98
97)	1,2-dibromoethane	14.31	107	371827	209.17	ug/L		98
98)	chlorobenzene	14.75	112	1013381	213.69	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	507556	216.78	ug/L		97
100)	ethylbenzene	14.81	91	1590003	193.60	ug/L		98
101)	m,p-xylene	14.91	106	1317935	411.38	ug/L		92
102)	o-xylene	15.30	106	770718	229.02	ug/L		91
103)	styrene	15.30	104	1084192	219.61	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:38 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

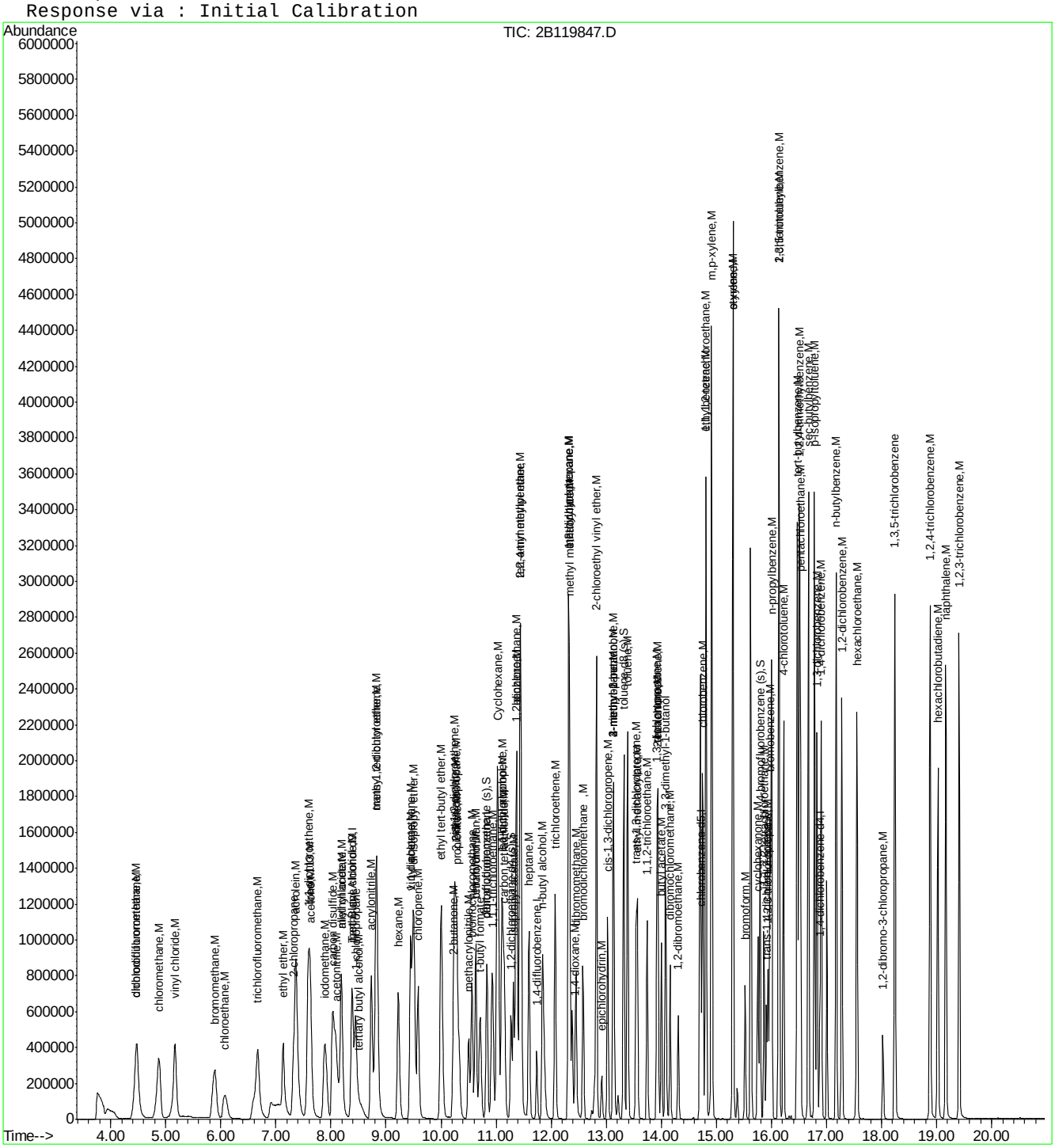
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.52	173	340180	223.49	ug/L	99
109)	cyclohexanone	15.75	98	188562	1403.73	ug/L	93
110)	bromobenzene	15.97	156	489460	207.03	ug/L	93
111)	1,1,2,2-tetrachloroethane	15.86	83	511837	181.79	ug/L	100
112)	trans-1,4-dichloro-2-buten	15.91	53	100522	206.64	ug/L	93
113)	1,2,3-trichloropropane	15.94	110	113060	204.33	ug/L	98
114)	n-propylbenzene	16.00	91	1878193	211.11	ug/L	96
115)	2-chlorotoluene	16.13	126	479267	225.81	ug/L	92
116)	4-chlorotoluene	16.22	91	1143862	210.74	ug/L	100
117)	1,3,5-trimethylbenzene	16.14	105	1625032	228.53	ug/L	99
118)	tert-butylbenzene	16.47	119	1685564	265.67	ug/L	98
119)	pentachloroethane	16.52	167	430771	239.52	ug/L	98
120)	1,2,4-trimethylbenzene	16.50	105	1524234	221.26	ug/L	98
121)	sec-butylbenzene	16.67	105	2338446	243.80	ug/L	98
122)	1,3-dichlorobenzene	16.83	146	890993	198.75	ug/L	99
123)	p-isopropyltoluene	16.78	119	1929089	240.18	ug/L	98
124)	1,4-dichlorobenzene	16.91	146	899655	201.54	ug/L	97
125)	1,2-dichlorobenzene	17.28	146	980055	198.86	ug/L	98
126)	n-butylbenzene	17.17	92	904673	233.35	ug/L	98
127)	1,2-dibromo-3-chloropropan	18.02	75	105470	225.52	ug/L	99
128)	1,3,5-trichlorobenzene	18.24	180	1029373	216.88	ug/L	100
129)	1,2,4-trichlorobenzene	18.88	180	1023845	216.22	ug/L	98
130)	hexachlorobutadiene	19.02	225	487712	226.38	ug/L	99
131)	naphthalene	19.17	128	2055940	221.13	ug/L	98
132)	1,2,3-trichlorobenzene	19.41	180	958461	217.80	ug/L	100
133)	hexachloroethane	17.55	201	476714	276.30	ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:39 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 05 12:35:37 2014 Quant Results File: M2B5440.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.36	65	142020	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	280593	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	310784	50.00	ug/L	0.00
90) chlorobenzene-d5	14.72	117	248104	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	135928	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.84	113	105076	47.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 95.48%			
52) 1,2-dichloroethane-d4 (s)	11.27	65	100420	48.20	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 96.40%			
82) toluene-d8 (s)	13.32	98	319455	50.61	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 101.22%			
108) 4-bromofluorobenzene (s)	15.79	95	105777	51.25	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.50%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.49	59	88914	253.15	ug/L	88
4) 1,4-dioxane	12.43	88	43012	1298.93	ug/L	93
9) chlorodifluoromethane	4.48	51	145078	47.23	ug/L	98
10) dichlorodifluoromethane	4.46	85	216258	55.09	ug/L	100
12) chloromethane	4.86	50	265514	54.01	ug/L	99
13) vinyl chloride	5.16	62	265925	54.55	ug/L	97
15) bromomethane	5.90	94	154270	50.88	ug/L	98
16) chloroethane	6.08	64	98937	52.40	ug/L	99
18) trichlorofluoromethane	6.68	101	251549	54.15	ug/L	99
20) ethyl ether	7.13	74	64694	53.50	ug/L	91
21) acrolein	7.37	56	298135	544.45	ug/L	100
22) 2-chloropropane	7.33	43	229238	48.63	ug/L	98
24) 1,1-dichloroethene	7.59	96	127538	49.36	ug/L	97
25) acetone	7.63	43	36979	44.71	ug/L	86
26) allyl chloride	8.19	76	59835	49.93	ug/L	94
27) acetonitrile	8.10	40	84195	456.75	ug/L	96
28) iodomethane	7.89	142	276582	52.81	ug/L	98
29) iso-butyl alcohol	11.11	74	14105	529.74	ug/L	92
30) carbon disulfide	8.04	76	509734	51.70	ug/L	99
31) methylene chloride	8.39	84	145208	49.96	ug/L	96
32) methyl acetate	8.18	74	18427	48.37	ug/L	94
33) 1-chloropropane	8.45	42	209653	49.46	ug/L	100
34) methyl tert butyl ether	8.82	73	793219	100.94	ug/L	100
35) trans-1,2-dichloroethene	8.83	96	117510	49.51	ug/L	100
36) di-isopropyl ether	9.50	45	432181	51.49	ug/L	99
37) 2-butanone	10.22	72	13933	51.46	ug/L	97
38) 1,1-dichloroethane	9.45	63	217420	52.19	ug/L	98
39) chloroprene	9.58	53	134149	46.26	ug/L	99
40) acrylonitrile	8.73	53	250552	260.26	ug/L	99
41) vinyl acetate	9.45	86	20165	58.99	ug/L	88
42) ethyl tert-butyl ether	10.00	59	425139	50.14	ug/L	98
43) ethyl acetate	10.26	45	14044	49.18	ug/L	77
44) 2,2-dichloropropane	10.27	77	187782	50.27	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 05 12:35:37 2014 Quant Results File: M2B5440.RES

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

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	134112	51.41	ug/L		97
46)	propionitrile	10.29	54	190810	508.46	ug/L		98
47)	bromochloromethane	10.56	128	68425	53.04	ug/L		97
48)	tetrahydrofuran	10.63	42	35943	49.73	ug/L		98
49)	chloroform	10.63	83	197241	50.17	ug/L		99
50)	t-butyl formate	10.70	59	108330	52.72	ug/L		95
53)	freon 113	7.62	151	116400	51.86	ug/L		98
54)	methacrylonitrile	10.50	41	66384	50.82	ug/L		95
55)	1,1,1-trichloroethane	10.93	97	194235	52.04	ug/L		98
56)	Cyclohexane	11.03	84	200912	52.97	ug/L		99
61)	epichlorohydrin	12.92	57	49561	258.86	ug/L		98
62)	n-butyl alcohol	11.84	56	195797	2634.64	ug/L		99
63)	carbon tetrachloride	11.14	117	168884	50.86	ug/L		98
64)	1,1-dichloropropene	11.11	75	133372	52.69	ug/L		96
65)	hexane	9.23	57	153239	61.48	ug/L		99
66)	benzene	11.37	78	408803	50.14	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	404457	50.17	ug/L		97
68)	tert-amyl methyl ether	11.44	73	380167	46.73	ug/L		99
69)	heptane	11.60	57	58212	48.16	ug/L		98
70)	isopropyl acetate	11.31	43	204760	49.31	ug/L		98
71)	1,2-dichloroethane	11.36	62	121042	50.23	ug/L		95
72)	trichloroethene	12.07	95	99960	53.42	ug/L		98
74)	2-nitropropane	13.13	46	6872	57.31	ug/L	#	82
75)	2-chloroethyl vinyl ether	12.82	63	274638	250.74	ug/L		99
76)	methyl methacrylate	12.34	100	22959	50.95	ug/L		100
77)	1,2-dichloropropane	12.32	63	98561	51.44	ug/L		100
78)	dibromomethane	12.45	93	60943	51.27	ug/L		97
79)	methylcyclohexane	12.32	83	187691	48.72	ug/L		98
80)	bromodichloromethane	12.58	83	128074	51.52	ug/L		98
81)	cis-1,3-dichloropropene	13.02	75	147623	52.47	ug/L		99
83)	4-methyl-2-pentanone	13.13	58	50304	53.30	ug/L		98
84)	toluene	13.39	92	217582	53.85	ug/L		99
85)	3-methyl-1-butanol	13.13	55	120194	1074.30	ug/L		96
86)	trans-1,3-dichloropropene	13.55	75	127561	51.55	ug/L		99
87)	ethyl methacrylate	13.57	69	120180	55.94	ug/L		99
88)	1,1,2-trichloroethane	13.74	83	70111	51.49	ug/L		99
89)	2-hexanone	13.92	58	35480	54.60	ug/L		93
92)	tetrachloroethene	13.94	164	84050	52.17	ug/L		99
93)	1,3-dichloropropane	13.92	76	128898	51.99	ug/L		98
94)	butyl acetate	14.00	56	62227	51.74	ug/L		98
95)	3,3-dimethyl-1-butanol	14.08	57	161323	493.10	ug/L		98
96)	dibromochloromethane	14.16	129	100903	50.60	ug/L		97
97)	1,2-dibromoethane	14.31	107	85388	51.36	ug/L		99
98)	chlorobenzene	14.75	112	234808	51.65	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	117164	52.66	ug/L		99
100)	ethylbenzene	14.81	91	385286	53.28	ug/L		100
101)	m,p-xylene	14.91	106	304989	108.19	ug/L		100
102)	o-xylene	15.30	106	176580	54.80	ug/L		96
103)	styrene	15.30	104	252881	53.98	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 05 12:35:37 2014 Quant Results File: M2B5440.RES

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

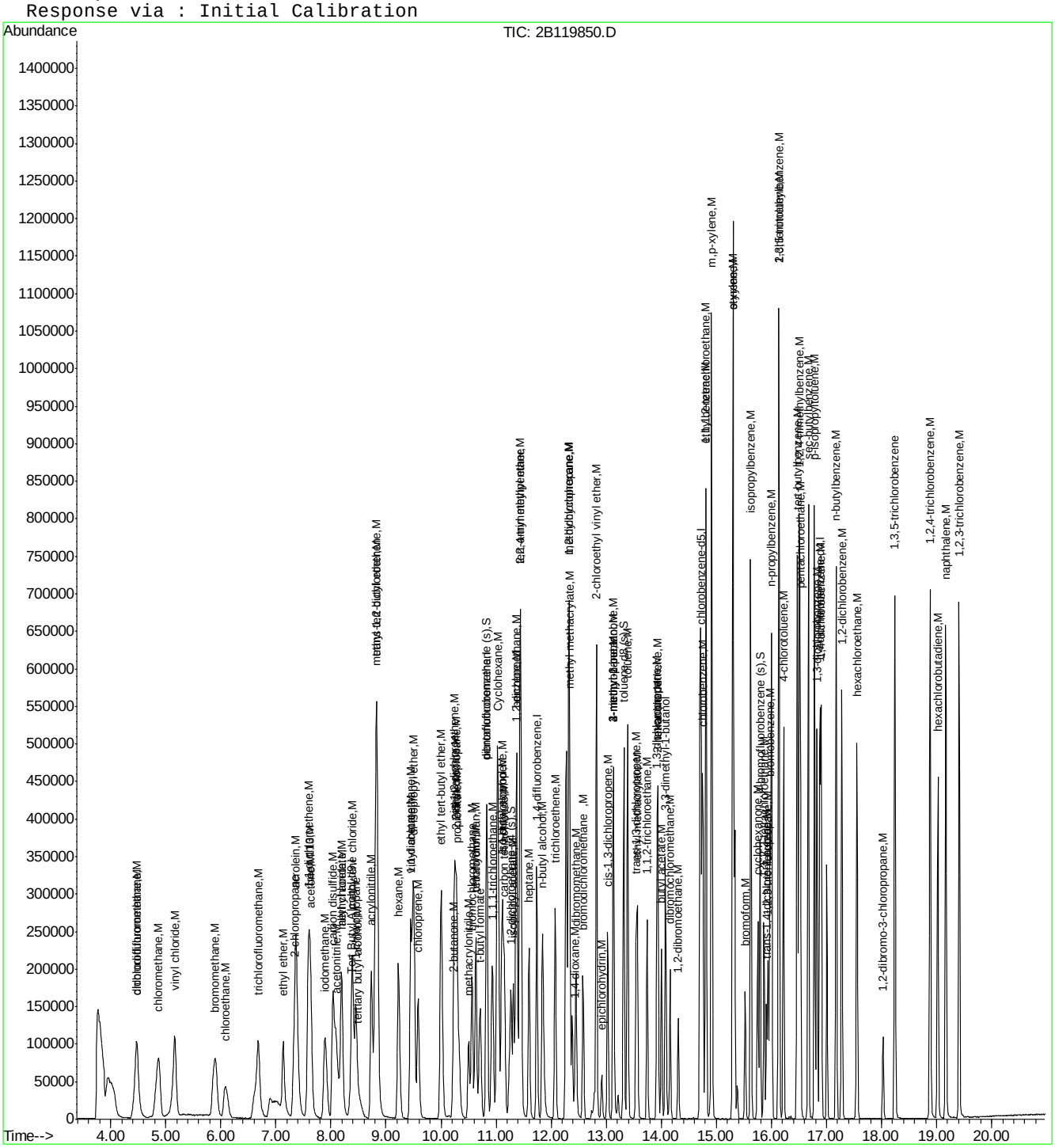
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.52	173	77370	49.20	ug/L	97
107) isopropylbenzene	15.62	105	470791	58.43	ug/L	99
109) cyclohexanone	15.75	98	46305	413.78	ug/L	96
110) bromobenzene	15.98	156	114241	51.77	ug/L	97
111) 1,1,2,2-tetrachloroethane	15.86	83	127224	50.32	ug/L	98
112) trans-1,4-dichloro-2-buten	15.91	53	25093	52.89	ug/L	99
113) 1,2,3-trichloropropane	15.94	110	28382	51.46	ug/L	99
114) n-propylbenzene	16.00	91	462856	55.96	ug/L	98
115) 2-chlorotoluene	16.13	126	108166	54.23	ug/L	99
116) 4-chlorotoluene	16.22	91	268189	52.11	ug/L	98
117) 1,3,5-trimethylbenzene	16.14	105	379118	57.73	ug/L	100
118) tert-butylbenzene	16.47	119	357290	47.20	ug/L	100
119) pentachloroethane	16.52	167	94566	52.48	ug/L	98
120) 1,2,4-trimethylbenzene	16.50	105	365861	56.69	ug/L	99
121) sec-butylbenzene	16.67	105	536166	56.50	ug/L	99
122) 1,3-dichlorobenzene	16.83	146	215878	50.42	ug/L	99
123) p-isopropyltoluene	16.78	119	439903	53.71	ug/L	99
124) 1,4-dichlorobenzene	16.91	146	211952	49.35	ug/L	99
125) 1,2-dichlorobenzene	17.28	146	238454	51.32	ug/L	98
126) n-butylbenzene	17.17	92	210441	57.01	ug/L	99
127) 1,2-dibromo-3-chloropropan	18.02	75	24635	50.17	ug/L	98
128) 1,3,5-trichlorobenzene	18.24	180	243172	53.26	ug/L	99
129) 1,2,4-trichlorobenzene	18.88	180	243589	54.38	ug/L	97
130) hexachlorobutadiene	19.02	225	111525	55.28	ug/L	98
131) naphthalene	19.17	128	514496	54.20	ug/L	100
132) 1,2,3-trichlorobenzene	19.41	180	240744	54.11	ug/L	98
133) hexachloroethane	17.55	201	97538	47.10	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 5 12:36 2014 Quant Results File: M2B5440.RES

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



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119918.D Vial: 3
Acq On : 6 Jun 2014 10:10 am Operator: payalr
Sample : cc5440-20 Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 10:36:25 2014 Quant Results File: M2B5440.RES

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	145544	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	282535	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	303065	50.00	ug/L	0.00
90) chlorobenzene-d5	14.72	117	258733	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	144324	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	110837	50.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.02%			
52) 1,2-dichloroethane-d4 (s)	11.26	65	106542	50.79	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 101.58%			
82) toluene-d8 (s)	13.31	98	333640	54.20	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 108.40%			
108) 4-bromofluorobenzene (s)	15.79	95	114752	52.37	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.74%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.51	59	31596	87.78	ug/L	76
4) 1,4-dioxane	12.43	88	14315	421.83	ug/L	92
9) chlorodifluoromethane	4.48	51	63380	20.49	ug/L	99
10) dichlorodifluoromethane	4.48	85	84569	21.40	ug/L	98
12) chloromethane	4.86	50	103987	21.01	ug/L	97
13) vinyl chloride	5.17	62	105006	21.39	ug/L	97
15) bromomethane	5.89	94	63969	20.95	ug/L	100
16) chloroethane	6.08	64	41409	21.78	ug/L	92
18) trichlorofluoromethane	6.68	101	105005	22.45	ug/L	98
20) ethyl ether	7.13	74	26250	21.56	ug/L	92
21) acrolein	7.37	56	120316	218.21	ug/L	97
22) 2-chloropropane	7.34	43	101637	21.41	ug/L	96
24) 1,1-dichloroethene	7.59	96	53298	20.49	ug/L	95
25) acetone	7.64	43	34494	41.42	ug/L	93
26) allyl chloride	8.19	76	25545	21.17	ug/L	93
27) acetonitrile	8.10	40	35863	193.22	ug/L	96
28) iodomethane	7.89	142	111593	21.16	ug/L	96
29) iso-butyl alcohol	11.10	74	5165	192.65	ug/L #	77
30) carbon disulfide	8.05	76	219111	22.07	ug/L	99
31) methylene chloride	8.39	84	60468	20.66	ug/L	93
32) methyl acetate	8.18	74	7508	19.57	ug/L	96
33) 1-chloropropane	8.45	42	87977	20.61	ug/L	99
34) methyl tert butyl ether	8.82	73	167706	21.19	ug/L	99
35) trans-1,2-dichloroethene	8.83	96	50648	21.19	ug/L	98
36) di-isopropyl ether	9.49	45	171206	20.26	ug/L	98
37) 2-butanone	10.22	72	8039	29.49	ug/L #	80
38) 1,1-dichloroethane	9.45	63	91004	21.70	ug/L	96
39) chloroprene	9.58	53	57130	19.57	ug/L	98
40) acrylonitrile	8.73	53	106511	109.88	ug/L	98
41) vinyl acetate	9.46	86	6693	19.44	ug/L	64
42) ethyl tert-butyl ether	10.00	59	164473	19.26	ug/L	99
43) ethyl acetate	10.25	45	5889	20.48	ug/L	74
44) 2,2-dichloropropane	10.27	77	86437	22.98	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119918.D Vial: 3
Acq On : 6 Jun 2014 10:10 am Operator: payalr
Sample : cc5440-20 Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 10:36:25 2014 Quant Results File: M2B5440.RES

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

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	54704	20.83	ug/L		98
46)	propionitrile	10.28	54	81670	216.14	ug/L		96
47)	bromochloromethane	10.56	128	27839	21.43	ug/L		97
48)	tetrahydrofuran	10.63	42	17224	23.67	ug/L		93
49)	chloroform	10.63	83	81417	20.57	ug/L		99
50)	t-butyl formate	10.71	59	37957	18.35	ug/L		97
53)	freon 113	7.62	151	46318	20.49	ug/L		95
54)	methacrylonitrile	10.50	41	27669	21.04	ug/L		96
55)	1,1,1-trichloroethane	10.93	97	78606	20.92	ug/L		97
56)	Cyclohexane	11.03	84	81315	21.29	ug/L		87
61)	epichlorohydrin	12.92	57	17759	95.12	ug/L		95
62)	n-butyl alcohol	11.84	56	61314	846.05	ug/L		95
63)	carbon tetrachloride	11.14	117	70010	21.62	ug/L		97
64)	1,1-dichloropropene	11.11	75	52162	21.13	ug/L		98
65)	hexane	9.23	57	48229	19.84	ug/L		96
66)	benzene	11.37	78	162476	20.43	ug/L		100
67)	2,2,4-trimethylpentane	11.43	57	167217	21.27	ug/L		96
68)	tert-amyl methyl ether	11.44	73	143924	18.14	ug/L		97
69)	heptane	11.60	57	24311	20.62	ug/L		96
70)	isopropyl acetate	11.31	43	73884	18.25	ug/L		94
71)	1,2-dichloroethane	11.36	62	48892	20.81	ug/L		96
72)	trichloroethene	12.07	95	38056	20.86	ug/L		98
74)	2-nitropropane	13.13	46	1983	16.96	ug/L	#	90
75)	2-chloroethyl vinyl ether	12.82	63	103446	96.85	ug/L		98
76)	methyl methacrylate	12.33	100	9282	21.12	ug/L	#	86
77)	1,2-dichloropropane	12.31	63	40544	21.70	ug/L		96
78)	dibromomethane	12.45	93	25361	21.88	ug/L		95
79)	methylcyclohexane	12.32	83	75923	20.21	ug/L		98
80)	bromodichloromethane	12.58	83	51018	21.05	ug/L		95
81)	cis-1,3-dichloropropene	13.02	75	59307	21.62	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	18591	20.20	ug/L		96
84)	toluene	13.39	92	84857	21.54	ug/L		99
85)	3-methyl-1-butanol	13.13	55	37903	349.65	ug/L		97
86)	trans-1,3-dichloropropene	13.55	75	50989	21.13	ug/L		97
87)	ethyl methacrylate	13.57	69	44872	21.42	ug/L		98
88)	1,1,2-trichloroethane	13.74	83	28051	21.13	ug/L		92
89)	2-hexanone	13.92	58	16532	26.09	ug/L		98
92)	tetrachloroethene	13.94	164	32992	19.64	ug/L		98
93)	1,3-dichloropropane	13.92	76	51641	19.97	ug/L		96
94)	butyl acetate	14.00	56	21522	17.16	ug/L		96
95)	3,3-dimethyl-1-butanol	14.08	57	49010	160.38	ug/L		96
96)	dibromochloromethane	14.16	129	39693	19.09	ug/L		96
97)	1,2-dibromoethane	14.31	107	34740	20.04	ug/L		97
98)	chlorobenzene	14.75	112	96443	20.34	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	44938	19.37	ug/L		97
100)	ethylbenzene	14.81	91	160106	21.23	ug/L		98
101)	m,p-xylene	14.91	106	123309	41.95	ug/L		97
102)	o-xylene	15.30	106	68781	20.47	ug/L		93
103)	styrene	15.30	104	101905	20.86	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119918.D Vial: 3
Acq On : 6 Jun 2014 10:10 am Operator: payalr
Sample : cc5440-20 Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 06 10:36:25 2014 Quant Results File: M2B5440.RES

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

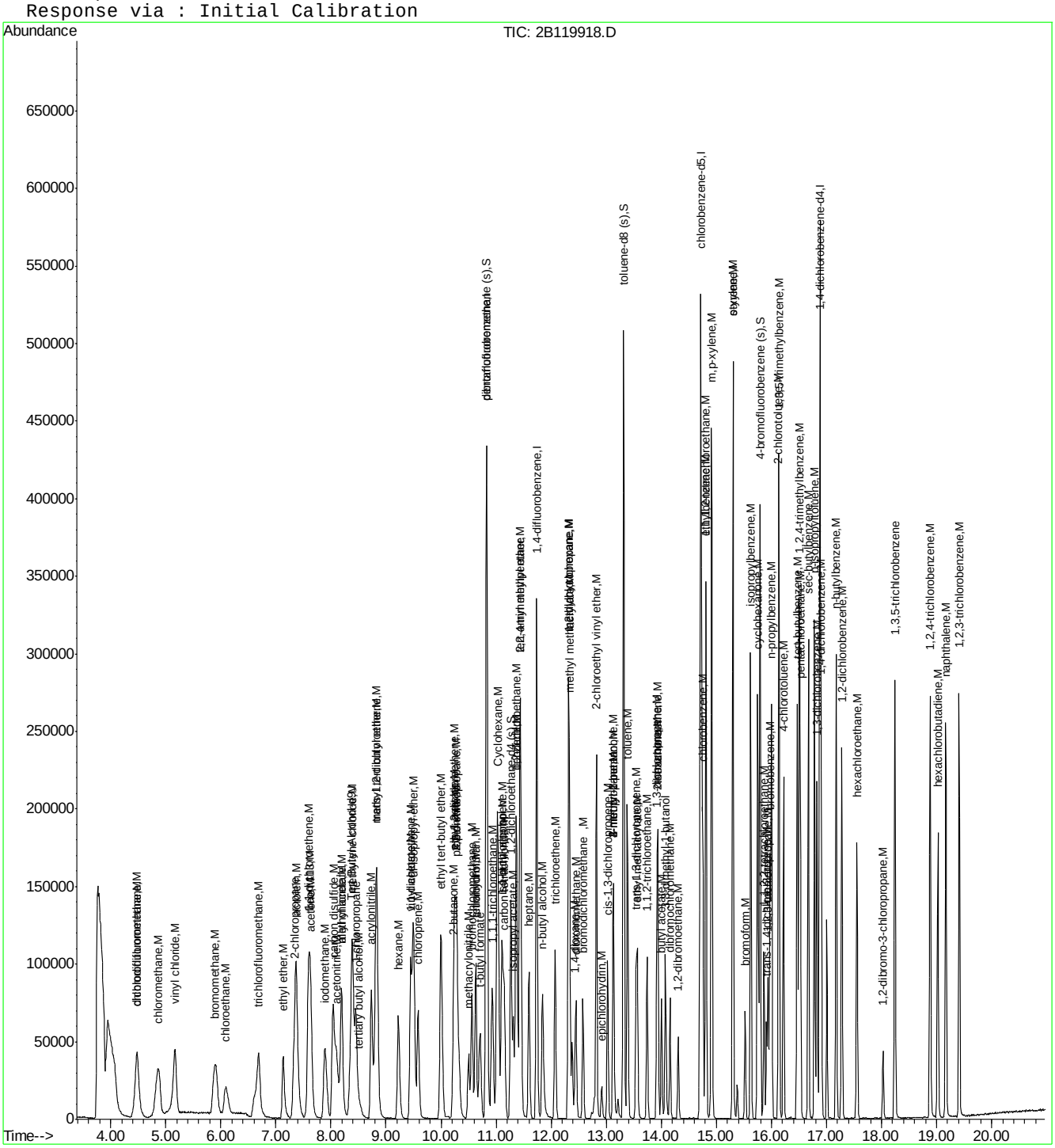
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.52	173	30645	18.69	ug/L	98
107) isopropylbenzene	15.62	105	182156	21.29	ug/L	100
109) cyclohexanone	15.75	98	48372	407.11	ug/L	95
110) bromobenzene	15.97	156	46614	19.90	ug/L	89
111) 1,1,2,2-tetrachloroethane	15.86	83	50780	18.92	ug/L	93
112) trans-1,4-dichloro-2-buten	15.91	53	10603	21.05	ug/L	97
113) 1,2,3-trichloropropane	15.94	110	11707	19.99	ug/L	97
114) n-propylbenzene	16.00	91	189646	21.60	ug/L	98
115) 2-chlorotoluene	16.13	126	43103	20.35	ug/L	98
116) 4-chlorotoluene	16.22	91	111886	20.48	ug/L	98
117) 1,3,5-trimethylbenzene	16.14	105	147263	21.12	ug/L	100
118) tert-butylbenzene	16.47	119	126674	17.59	ug/L	98
119) pentachloroethane	16.52	167	35700	18.66	ug/L	93
120) 1,2,4-trimethylbenzene	16.50	105	146969	21.45	ug/L	99
121) sec-butylbenzene	16.67	105	200618	19.91	ug/L	97
122) 1,3-dichlorobenzene	16.83	146	89902	19.78	ug/L	99
123) p-isopropyltoluene	16.78	119	169235	19.46	ug/L	99
124) 1,4-dichlorobenzene	16.91	146	87822	19.26	ug/L	98
125) 1,2-dichlorobenzene	17.28	146	96118	19.48	ug/L	97
126) n-butylbenzene	17.17	92	83019	21.18	ug/L	96
127) 1,2-dibromo-3-chloropropan	18.02	75	9759	18.72	ug/L	93
128) 1,3,5-trichlorobenzene	18.24	180	96654	19.94	ug/L	98
129) 1,2,4-trichlorobenzene	18.88	180	93918	19.75	ug/L	100
130) hexachlorobutadiene	19.02	225	43922	20.50	ug/L	98
131) naphthalene	19.17	128	196397	19.49	ug/L	100
132) 1,2,3-trichlorobenzene	19.41	180	93028	19.69	ug/L	100
133) hexachloroethane	17.55	201	33334	18.10	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2B119918.D Vial: 3
Acq On : 6 Jun 2014 10:10 am Operator: payalr
Sample : cc5440-20 Inst : MS2B
Misc : MS68548,V2B5444,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 15:45 2014 Quant Results File: M2B5440.RES

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



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JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration

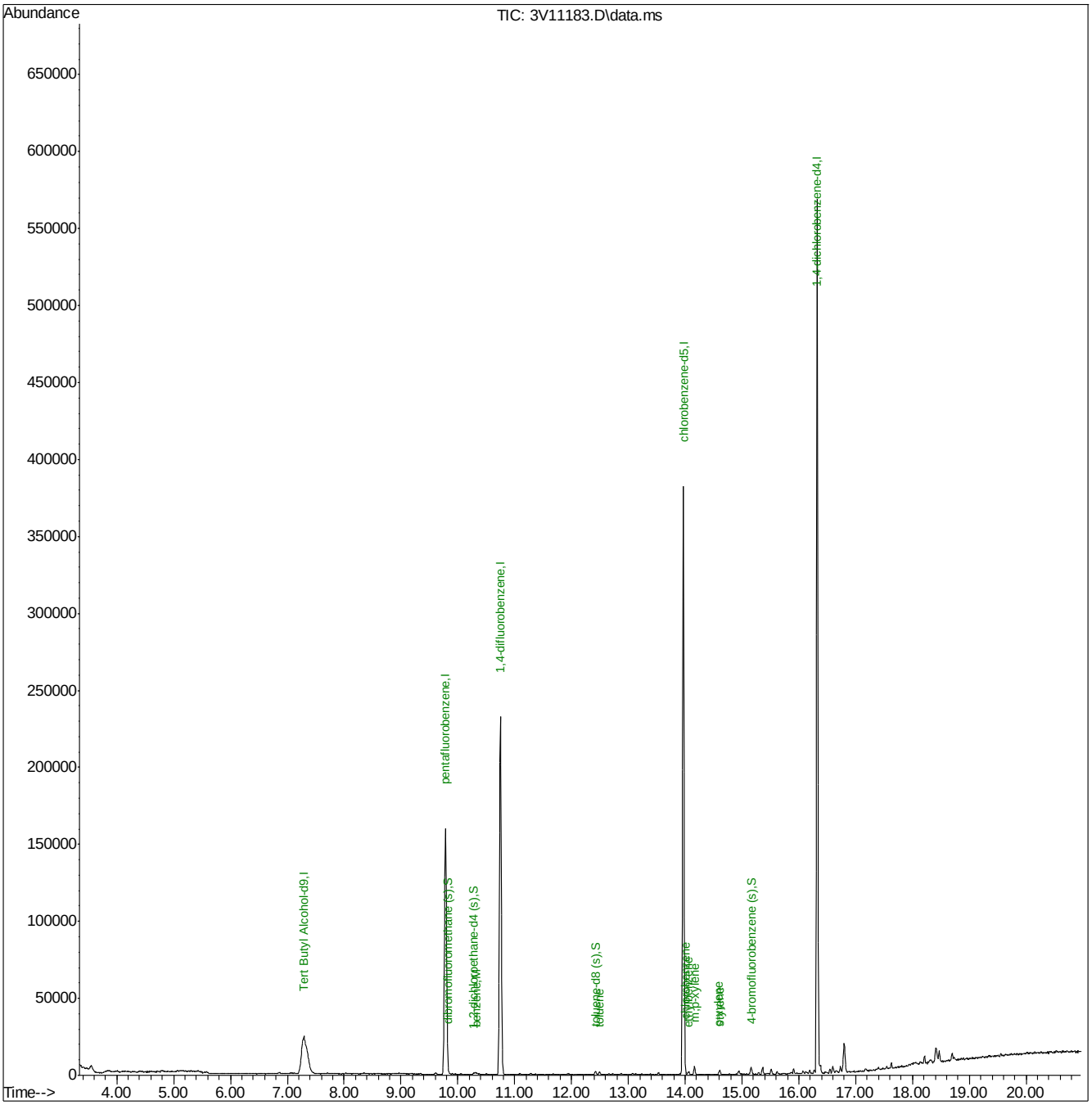
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.290	65	92286	500.00	ug/L	-0.02
5) pentafluorobenzene	9.780	168	158490	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	239192	50.00	ug/L	0.00
79) chlorobenzene-d5	13.970	117	228087	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	145861	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	676	0.34	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 0.68%#			
44) 1,2-dichloroethane-d4 (s)	10.278	65	702	0.41	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.82%#			
71) toluene-d8 (s)	12.418	98	2010	0.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 0.66%#			
95) 4-bromofluorobenzene (s)	15.165	95	1564	0.62	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.24%#			
Target Compounds						Qvalue
57) benzene	10.331	78	1452	0.19	ug/L	78
73) toluene	12.491	92	993	0.23	ug/L	85
86) chlorobenzene	14.001	112	954	0.18	ug/L	96
88) ethylbenzene	14.053	91	1960	0.21	ug/L	94
89) m,p-xylene	14.164	106	1787	0.49	ug/L	93
90) o-xylene	14.593	106	649	0.17	ug/L	91
91) styrene	14.609	104	920	0.16	ug/L	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11183.D
Acq On : 22 May 2014 10:20 am
Operator : thienn
Sample : ic474-0.2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 15:37:46 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:35:08 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

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

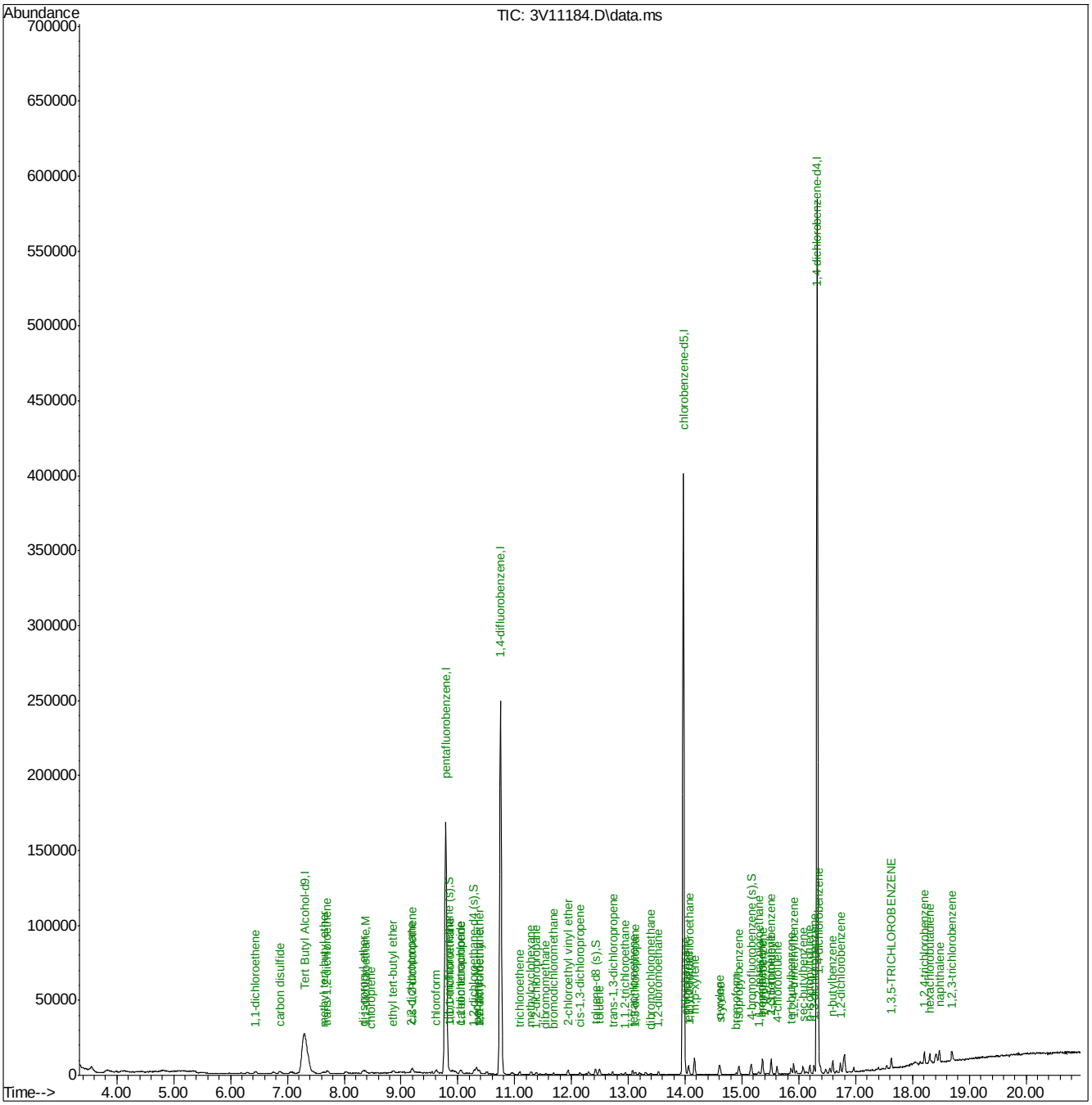
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) 1,1,1,2-tetrachloroethane	14.069	131	873	0.38	ug/L		100
88) ethylbenzene	14.053	91	4400	0.44	ug/L		98
89) m,p-xylene	14.163	106	3412	0.86	ug/L		97
90) o-xylene	14.599	106	1411	0.33	ug/L		91
91) styrene	14.614	104	2271	0.38	ug/L		98
92) bromoform	14.903	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

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



M3V474.M Thu May 29 13:14:32 2014 GCMS3V Page: 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	7.301	65	88284	500.00	ug/L		-0.01
5) pentafluorobenzene	9.786	168	168043	50.00	ug/L		0.00
49) 1,4-difluorobenzene	10.751	114	250261	50.00	ug/L		0.00
79) chlorobenzene-d5	13.970	117	237615	50.00	ug/L		0.00
93) 1,4-dichlorobenzene-d4	16.324	152	150965	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	9.833	113	2001	0.90	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.80%#				
44) 1,2-dichloroethane-d4 (s)	10.284	65	1709	0.89	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.78%#				
71) toluene-d8 (s)	12.423	98	5503	0.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 1.68%#				
95) 4-bromofluorobenzene (s)	15.165	95	3035	1.00	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 2.00%#				
Target Compounds							Qvalue
15) acrolein	6.289	56	580729	1751.17	ug/L		98
16) 1,1-dichloroethene	6.446	96	2094	0.89	ug/L	#	79
20) iodomethane	6.750	142	3890	0.80	ug/L		95
22) carbon disulfide	6.860	76	7010	0.77	ug/L		88
26) methyl tert butyl ether	7.641	73	4428	0.77	ug/L		93
27) trans-1,2-dichloroethene	7.704	96	2330	0.93	ug/L		82
28) di-isopropyl ether	8.349	45	4709	0.80	ug/L		94
29) ethyl tert-butyl ether	8.868	59	4791	0.82	ug/L		96
31) 1,1-dichloroethane	8.365	63	2912	0.75	ug/L		94
32) chloroprene	8.475	53	1767	0.74	ug/L		79
36) 2,2-dichloropropane	9.193	77	3036	0.81	ug/L		100
37) cis-1,2-dichloroethene	9.204	96	2832	1.00	ug/L	#	79
40) bromochloromethane	9.555	128	806	0.73	ug/L		86
42) chloroform	9.613	83	3642	0.88	ug/L		95
47) 1,1,1-trichloroethane	9.854	97	3061	0.82	ug/L		81
48) tert-amyl methyl ether	10.378	73	4687	0.80	ug/L		91
52) cyclohexane	9.912	84	2485	0.75	ug/L		94
53) carbon tetrachloride	10.064	117	2650	0.79	ug/L		82
54) 1,1-dichloropropene	10.048	75	2164	0.82	ug/L		93
55) hexane	8.019	57	1835	0.84	ug/L		94
57) benzene	10.336	78	6885	0.75	ug/L		96
58) heptane	10.515	57	876	0.67	ug/L		89
60) 1,2-dichloroethane	10.378	62	1760	0.77	ug/L		88
61) trichloroethene	11.091	95	1677	0.79	ug/L	#	74
64) 2-chloroethyl vinyl ether	11.941	63	2689	3.82	ug/L		92
65) methyl methacrylate	11.280	41	1111	0.87	ug/L		88
66) 1,2-dichloropropane	11.374	63	1526	0.77	ug/L		91
67) methylcyclohexane	11.291	83	2537	0.75	ug/L		98
68) dibromomethane	11.542	93	858	0.71	ug/L		97
69) bromodichloromethane	11.684	83	1976	0.76	ug/L		95
70) cis-1,3-dichloropropene	12.145	75	2180	0.77	ug/L		97
73) toluene	12.496	92	3932	0.78	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

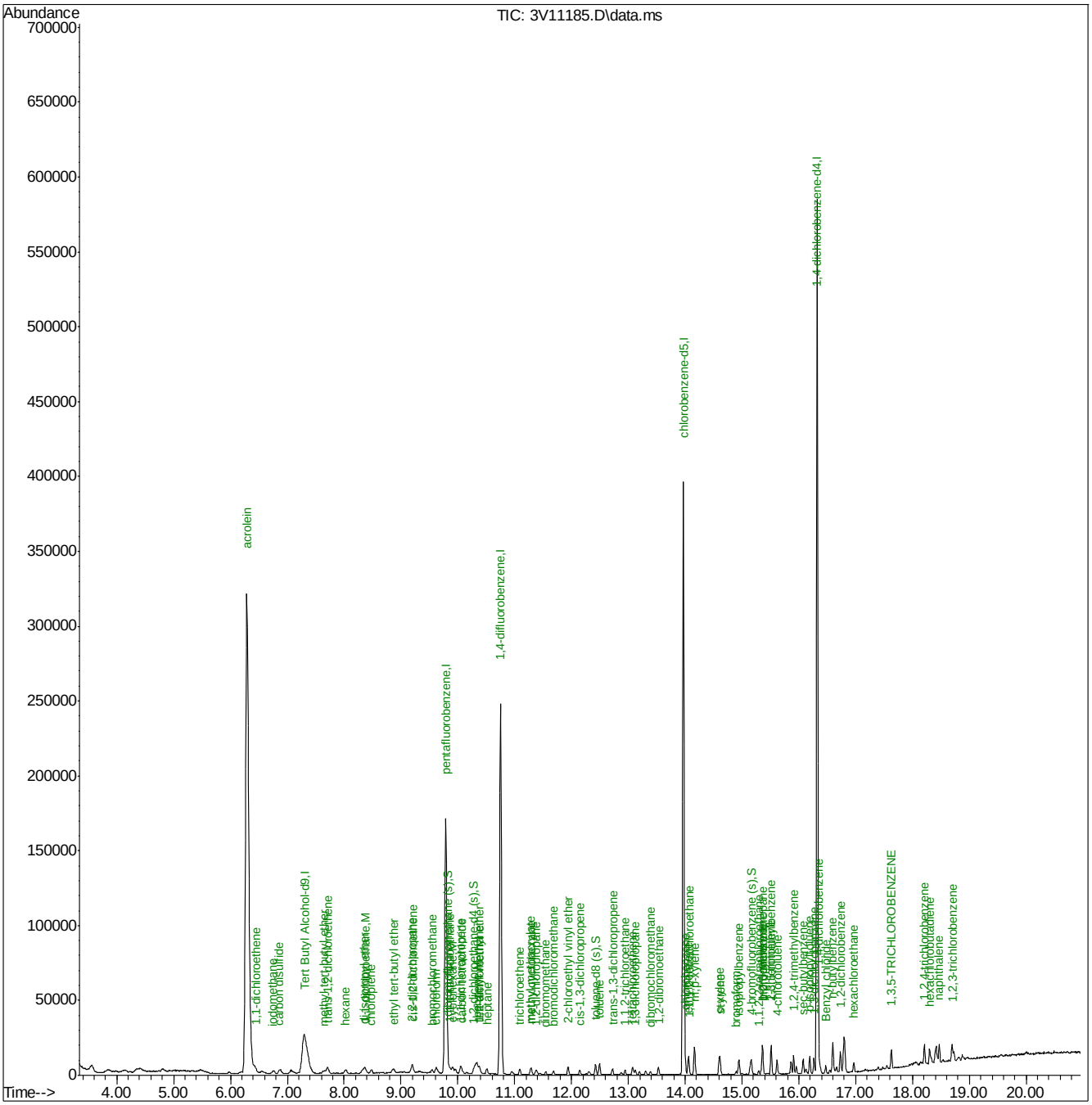
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	trans-1,3-dichloropropene	12.727	75	1826	0.73	ug/L	88
77)	1,1,2-trichloroethane	12.942	83	1031	0.78	ug/L	84
80)	tetrachloroethene	13.078	166	1782	0.76	ug/L	97
81)	1,3-dichloropropane	13.120	76	1733	0.69	ug/L	92
83)	dibromochloromethane	13.393	129	1440	0.67	ug/L	96
84)	1,2-dibromoethane	13.535	107	1272	0.73	ug/L	98
86)	chlorobenzene	14.001	112	4634	0.76	ug/L	95
87)	1,1,1,2-tetrachloroethane	14.069	131	1716	0.74	ug/L	91
88)	ethylbenzene	14.054	91	7939	0.80	ug/L	96
89)	m,p-xylene	14.164	106	6073	1.52	ug/L	94
90)	o-xylene	14.599	106	2900	0.68	ug/L	97
91)	styrene	14.615	104	4251	0.71	ug/L	95
92)	bromoform	14.903	173	1135	0.73	ug/L	77
94)	isopropylbenzene	14.945	105	7688	0.70	ug/L	98
96)	bromobenzene	15.359	156	2259	0.77	ug/L	91
98)	1,1,2,2-tetrachloroethane	15.291	83	1850	0.67	ug/L	85
100)	1,2,3-trichloropropane	15.359	110	370	0.67	ug/L	83
101)	n-propylbenzene	15.364	91	9248	0.68	ug/L	99
102)	2-chlorotoluene	15.516	126	1918	0.68	ug/L	90
103)	4-chlorotoluene	15.616	91	6157	0.76	ug/L	96
104)	1,3,5-trimethylbenzene	15.516	105	6504	0.64	ug/L	99
107)	1,2,4-trimethylbenzene	15.910	105	7423	0.57	ug/L	86
108)	sec-butylbenzene	16.072	105	8254	0.67	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	4692	0.75	ug/L	100
110)	p-isopropyltoluene	16.193	119	7186	0.68	ug/L	98
111)	1,4-dichlorobenzene	16.350	146	5030	0.79	ug/L	91
112)	1,2-dichlorobenzene	16.733	146	4806	0.77	ug/L	98
113)	n-butylbenzene	16.596	92	4205	0.70	ug/L	95
115)	1,3,5-TRICHLOROBENZENE	17.629	180	4698	0.78	ug/L	94
116)	1,2,4-trichlorobenzene	18.211	180	4222	0.73	ug/L	97
117)	hexachlorobutadiene	18.306	225	2184	0.74	ug/L	87
118)	naphthalene	18.468	128	8671	0.71	ug/L	98
119)	1,2,3-trichlorobenzene	18.699	180	4079	0.76	ug/L	91
120)	hexachloroethane	16.964	119	1703	0.79	ug/L	76
121)	Benzyl chloride	16.471	91	4188	0.86	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11185.D
Acq On : 22 May 2014 11:14 am
Operator : thienn
Sample : ic474-1
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:50:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.316	65	81258	500.00	ug/L	0.00
5) pentafluorobenzene	9.785	168	155450	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.750	114	234535	50.00	ug/L	0.00
79) chlorobenzene-d5	13.969	117	220566	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	142306	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	3545	1.72	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery =	3.44%#		
44) 1,2-dichloroethane-d4 (s)	10.273	65	3257	1.82	ug/L	-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery =	3.64%#		
71) toluene-d8 (s)	12.423	98	10482	1.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery =	3.42%#		
95) 4-bromofluorobenzene (s)	15.165	95	4933	1.72	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery =	3.44%#		
Target Compounds						Qvalue
4) tertiary butyl alcohol	7.416	59	2128	9.23	ug/L	58
7) dichlorodifluoromethane	3.541	85	7045	1.94	ug/L	91
8) chloromethane	3.835	50	6176	1.67	ug/L	96
9) vinyl chloride	4.102	62	6178	1.65	ug/L	89
10) bromomethane	4.789	94	4658	1.92	ug/L	82
11) chloroethane	4.993	64	2112	1.72	ug/L	93
12) trichlorofluoromethane	5.518	101	6940	1.76	ug/L	96
13) ethyl ether	5.963	74	1219	1.59	ug/L	94
15) acrolein	6.283	56	293684	957.34	ug/L	99
16) 1,1-dichloroethene	6.435	96	4125	1.89	ug/L	92
20) iodomethane	6.750	142	8003	1.77	ug/L	93
22) carbon disulfide	6.865	76	14377	1.72	ug/L	97
23) methylene chloride	7.285	84	5844	2.18	ug/L	92
26) methyl tert butyl ether	7.636	73	9365	1.76	ug/L	97
27) trans-1,2-dichloroethene	7.694	96	4300	1.85	ug/L	78
28) di-isopropyl ether	8.333	45	9627	1.77	ug/L	88
29) ethyl tert-butyl ether	8.857	59	9445	1.75	ug/L	95
31) 1,1-dichloroethane	8.370	63	6320	1.75	ug/L	96
32) chloroprene	8.469	53	4032	1.82	ug/L	94
33) acrylonitrile	7.704	53	4318	8.77	ug/L	93
36) 2,2-dichloropropane	9.188	77	6693	1.93	ug/L	90
37) cis-1,2-dichloroethene	9.198	96	5096	1.95	ug/L	85
38) propionitrile	9.324	54	3828	18.21	ug/L	91
40) bromochloromethane	9.550	128	1911	1.86	ug/L	97
42) chloroform	9.618	83	6906	1.79	ug/L	97
45) freon 113	6.388	151	3133	1.81	ug/L	83
46) methacrylonitrile	9.497	41	1372	1.98	ug/L	81
47) 1,1,1-trichloroethane	9.859	97	6463	1.88	ug/L	96
48) tert-amyl methyl ether	10.373	73	9282	1.72	ug/L	92
51) n-butyl alcohol	10.949	56	4456	87.76	ug/L	97
52) cyclohexane	9.906	84	5272	1.69	ug/L	96
53) carbon tetrachloride	10.058	117	5742	1.82	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54)	1,1-dichloropropene	10.048	75	4485	1.80	ug/L		89
55)	hexane	8.019	57	3419	1.68	ug/L		90
56)	ISOOCTANE	10.299	57	10441	1.58	ug/L	#	92
57)	benzene	10.331	78	13751	1.60	ug/L		99
58)	heptane	10.504	57	2078	1.69	ug/L		94
59)	isopropyl acetate	10.299	43	6254	1.84	ug/L	#	88
60)	1,2-dichloroethane	10.378	62	3701	1.73	ug/L		95
61)	trichloroethene	11.091	95	3417	1.71	ug/L		92
64)	2-chloroethyl vinyl ether	11.935	63	5886	8.92	ug/L		98
65)	methyl methacrylate	11.285	41	2175	1.81	ug/L		96
66)	1,2-dichloropropane	11.374	63	3255	1.74	ug/L		98
67)	methylcyclohexane	11.290	83	5591	1.76	ug/L		87
68)	dibromomethane	11.542	93	2001	1.77	ug/L		94
69)	bromodichloromethane	11.683	83	4125	1.70	ug/L		96
70)	cis-1,3-dichloropropene	12.145	75	4722	1.77	ug/L		99
72)	4-methyl-2-pentanone	12.250	58	943	1.80	ug/L	#	78
73)	toluene	12.491	92	7927	1.68	ug/L		99
74)	3-methyl-1-butanol	12.307	70	1477	34.07	ug/L		92
75)	trans-1,3-dichloropropene	12.722	75	4056	1.73	ug/L		93
76)	ethyl methacrylate	12.706	69	2751	1.70	ug/L		95
77)	1,1,2-trichloroethane	12.942	83	2317	1.87	ug/L		94
80)	tetrachloroethene	13.078	166	3999	1.84	ug/L		92
81)	1,3-dichloropropane	13.120	76	4043	1.74	ug/L		98
82)	butyl acetate	13.188	56	1513	1.80	ug/L	#	77
83)	dibromochloromethane	13.382	129	3589	1.80	ug/L		88
84)	1,2-dibromoethane	13.534	107	2700	1.68	ug/L		92
86)	chlorobenzene	14.001	112	9499	1.68	ug/L		94
87)	1,1,1,2-tetrachloroethane	14.069	131	3806	1.78	ug/L		99
88)	ethylbenzene	14.053	91	16151	1.74	ug/L		95
89)	m,p-xylene	14.163	106	12008	3.23	ug/L		98
90)	o-xylene	14.599	106	6194	1.56	ug/L		89
91)	styrene	14.614	104	9199	1.66	ug/L		98
92)	bromoform	14.897	173	2583	1.78	ug/L		99
94)	isopropylbenzene	14.950	105	16440	1.59	ug/L		99
96)	bromobenzene	15.359	156	5117	1.86	ug/L		88
97)	cyclohexanone	15.149	55	7731	20.92	ug/L		97
98)	1,1,2,2-tetrachloroethane	15.291	83	4859	1.88	ug/L		98
100)	1,2,3-trichloropropane	15.364	110	1045	1.99	ug/L		82
101)	n-propylbenzene	15.364	91	20393	1.58	ug/L		99
102)	2-chlorotoluene	15.516	126	4390	1.66	ug/L		91
103)	4-chlorotoluene	15.616	91	12842	1.69	ug/L		96
104)	1,3,5-trimethylbenzene	15.516	105	13877	1.46	ug/L		97
105)	tert-butylbenzene	15.862	119	10521	1.59	ug/L		96
106)	pentachloroethane	15.951	167	2782	1.62	ug/L		96
107)	1,2,4-trimethylbenzene	15.909	105	15098	1.23	ug/L		89
108)	sec-butylbenzene	16.077	105	18601	1.60	ug/L		99
109)	1,3-dichlorobenzene	16.266	146	10210	1.74	ug/L		95
110)	p-isopropyltoluene	16.192	119	15924	1.60	ug/L		98
111)	1,4-dichlorobenzene	16.350	146	10412	1.73	ug/L		93
112)	1,2-dichlorobenzene	16.733	146	10125	1.73	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11186.D
Acq On : 22 May 2014 11:41 am
Operator : thienn
Sample : ic474-2
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 15:50:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 08:28:30 2014
Response via : Initial Calibration

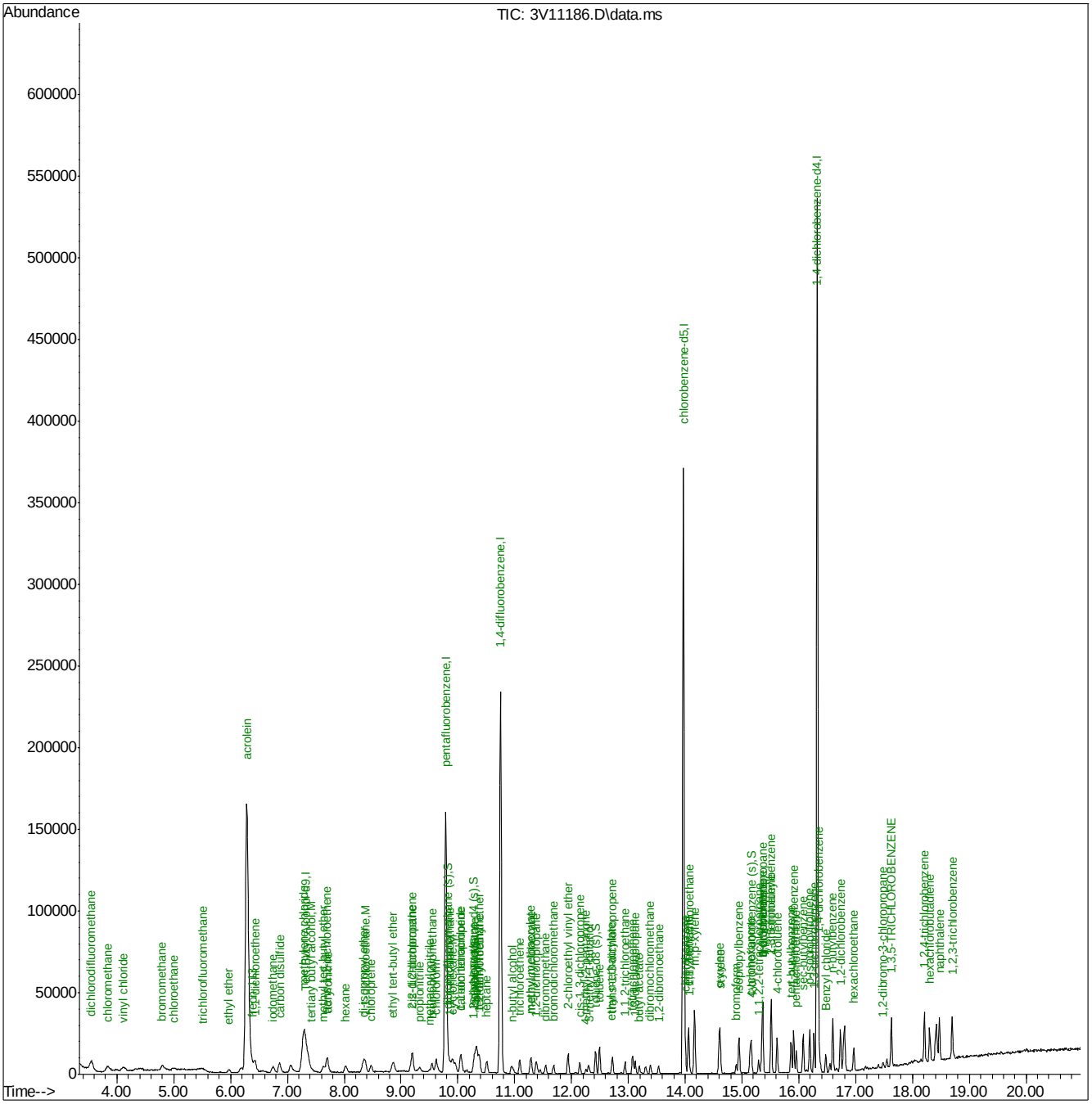
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
113) n-butylbenzene	16.596	92	9589	1.68	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.482	75	1146	2.18	ug/L	95
115) 1,3,5-TRICHLOROBENZENE	17.629	180	9981	1.75	ug/L	98
116) 1,2,4-trichlorobenzene	18.211	180	9654	1.77	ug/L	97
117) hexachlorobutadiene	18.300	225	4857	1.75	ug/L	94
118) naphthalene	18.473	128	19090	1.65	ug/L	98
119) 1,2,3-trichlorobenzene	18.699	180	8870	1.74	ug/L	90
120) hexachloroethane	16.968	119	3585	1.75	ug/L	83
121) Benzyl chloride	16.476	91	8728	1.90	ug/L	98

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

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

7.6.28
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) 2,2-dichloropropane	9.183	77	17362	5.51	ug/L		97
37) cis-1,2-dichloroethene	9.204	96	11916	4.46	ug/L		89
38) propionitrile	9.324	54	10917	61.47	ug/L		90
39) methyl acrylate	9.293	55	6908	5.04	ug/L	#	94
40) bromochloromethane	9.545	128	5233	5.74	ug/L		94
41) tetrahydrofuran	9.581	42	2137	4.85	ug/L		97
42) chloroform	9.618	83	18047	5.03	ug/L		99
45) freon 113	6.415	151	9347	6.18	ug/L		98
46) methacrylonitrile	9.503	41	3476	5.10	ug/L		91
47) 1,1,1-trichloroethane	9.854	97	16919	5.38	ug/L		96
48) tert-amyl methyl ether	10.368	73	26309	5.42	ug/L		95
50) epichlorohydrin	12.067	57	3246	30.54	ug/L		89
51) n-butyl alcohol	10.945	56	12504	258.67	ug/L		96
52) cyclohexane	9.906	84	15594	5.79	ug/L		98
53) carbon tetrachloride	10.064	117	15657	5.60	ug/L		99
54) 1,1-dichloropropene	10.048	75	12008	5.41	ug/L		96
55) hexane	8.019	57	9859	5.54	ug/L		94
56) ISOOCTANE	10.305	57	31602	5.56	ug/L		98
57) benzene	10.331	78	36754	5.32	ug/L		98
58) heptane	10.504	57	6117	5.97	ug/L		97
59) isopropyl acetate	10.300	43	16946	5.20	ug/L		99
60) 1,2-dichloroethane	10.378	62	10533	5.68	ug/L		100
61) trichloroethene	11.091	95	9598	5.53	ug/L		97
63) 2-nitropropane	11.935	43	11857	4.94	ug/L		98
64) 2-chloroethyl vinyl ether	11.935	63	17241	29.08	ug/L		98
65) methyl methacrylate	11.285	41	6239	5.60	ug/L		99
66) 1,2-dichloropropane	11.374	63	8908	5.56	ug/L		97
67) methylcyclohexane	11.291	83	15477	6.26	ug/L		95
68) dibromomethane	11.542	93	5594	6.03	ug/L		97
69) bromodichloromethane	11.684	83	11546	5.48	ug/L		99
70) cis-1,3-dichloropropene	12.145	75	12758	5.48	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	2533	5.06	ug/L		88
73) toluene	12.491	92	20100	4.81	ug/L		99
74) 3-methyl-1-butanol	12.297	70	4303	103.18	ug/L		96
75) trans-1,3-dichloropropene	12.727	75	11315	5.80	ug/L		92
76) ethyl methacrylate	12.711	69	7672	5.60	ug/L		97
77) 1,1,2-trichloroethane	12.942	83	6248	5.84	ug/L		97
78) 2-hexanone	13.120	58	2250	4.77	ug/L		97
80) tetrachloroethene	13.078	166	10474	5.51	ug/L		100
81) 1,3-dichloropropane	13.120	76	10821	5.70	ug/L		99
82) butyl acetate	13.189	56	4187	5.71	ug/L		93
83) dibromochloromethane	13.388	129	9328	5.59	ug/L		98
84) 1,2-dibromoethane	13.535	107	7607	5.63	ug/L		98
86) chlorobenzene	14.001	112	25505	5.41	ug/L		95
87) 1,1,1,2-tetrachloroethane	14.069	131	10136	5.48	ug/L		95
88) ethylbenzene	14.054	91	42979	5.07	ug/L		97
89) m,p-xylene	14.164	106	32813	9.69	ug/L		96
90) o-xylene	14.599	106	16729	5.46	ug/L		98
91) styrene	14.615	104	25315	5.49	ug/L		97
92) bromoform	14.898	173	7120	5.58	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration

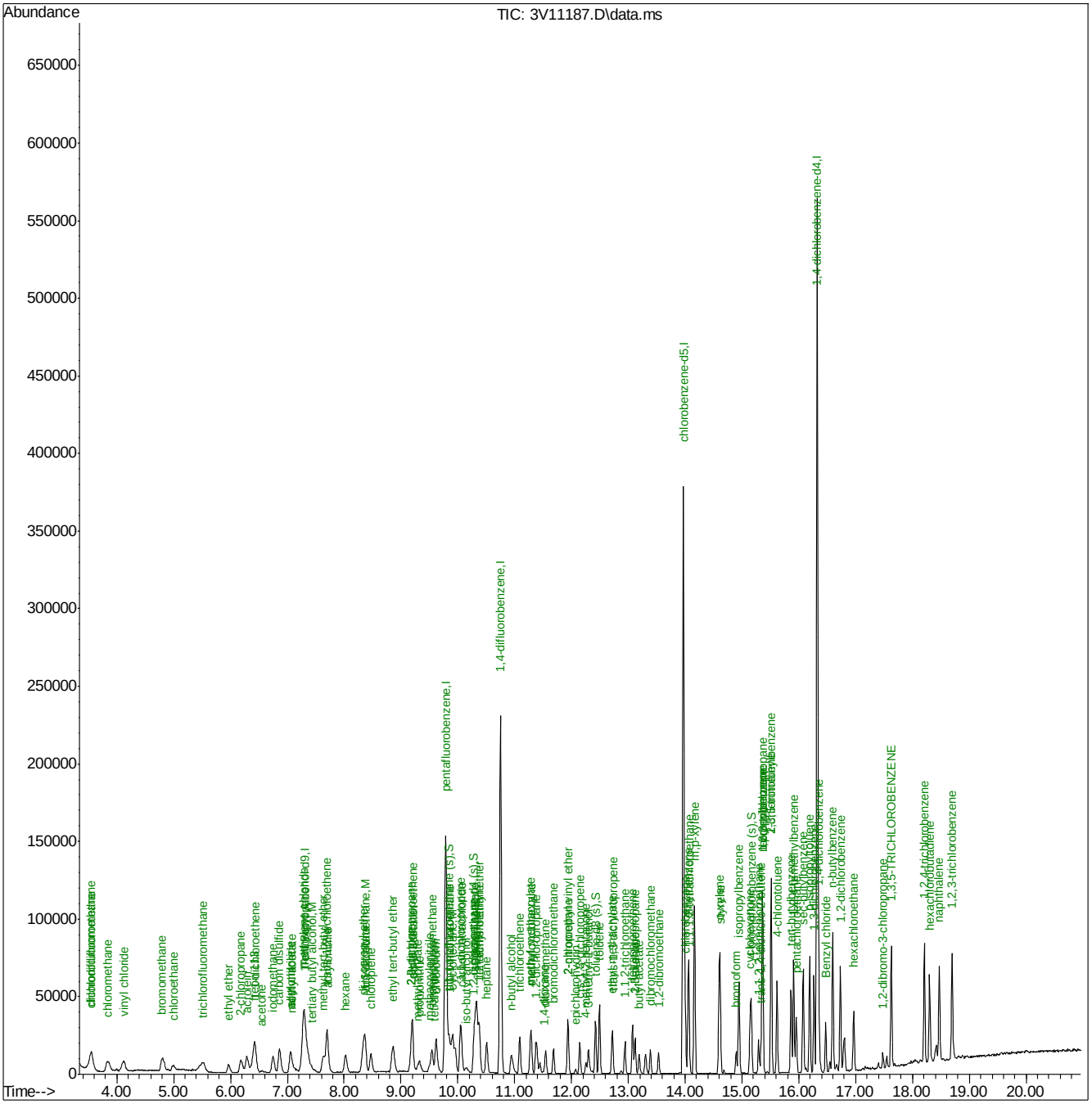
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	isopropylbenzene	14.945	105	43020	5.08	ug/L	97
96)	bromobenzene	15.359	156	12846	5.40	ug/L	97
97)	cyclohexanone	15.144	55	16268	53.02	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	11850	5.35	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	2420	4.66	ug/L	95
100)	1,2,3-trichloropropane	15.364	110	2666	5.70	ug/L	91
101)	n-propylbenzene	15.364	91	54902	5.32	ug/L	99
102)	2-chlorotoluene	15.516	126	12283	5.74	ug/L	98
103)	4-chlorotoluene	15.616	91	34176	5.26	ug/L	99
104)	1,3,5-trimethylbenzene	15.516	105	38831	5.44	ug/L	99
105)	tert-butylbenzene	15.863	119	29155	5.37	ug/L	96
106)	pentachloroethane	15.957	167	7454	4.66	ug/L	94
107)	1,2,4-trimethylbenzene	15.910	105	40923	5.14	ug/L	93
108)	sec-butylbenzene	16.077	105	51756	5.46	ug/L	98
109)	1,3-dichlorobenzene	16.266	146	27046	5.28	ug/L	97
110)	p-isopropyltoluene	16.193	119	44733	5.56	ug/L	99
111)	1,4-dichlorobenzene	16.350	146	26890	5.13	ug/L	99
112)	1,2-dichlorobenzene	16.733	146	26860	5.37	ug/L	97
113)	n-butylbenzene	16.597	92	25801	5.47	ug/L	99
114)	1,2-dibromo-3-chloropr...	17.483	75	2733	5.07	ug/L	92
115)	1,3,5-TRICHLOROBENZENE	17.629	180	25815	5.11	ug/L	99
116)	1,2,4-trichlorobenzene	18.211	180	23950	5.00	ug/L	97
117)	hexachlorobutadiene	18.301	225	12827	5.43	ug/L	97
118)	naphthalene	18.468	128	47207	4.86	ug/L	99
119)	1,2,3-trichlorobenzene	18.694	180	22239	4.98	ug/L	95
120)	hexachloroethane	16.969	119	8719	4.79	ug/L	94
121)	Benzyl chloride	16.471	91	23420	5.34	ug/L	99

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

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



M3V474.M Thu May 29 13:14:38 2014 GCMS3V Page: 4

Manual Integration Approval Summary

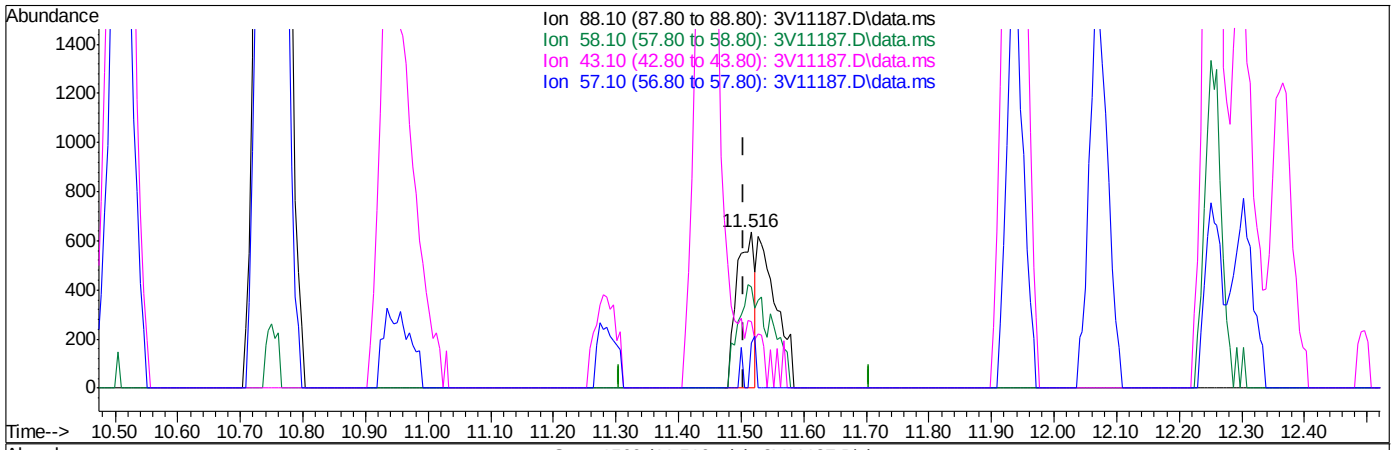
Sample Number: V3V474-IC474
Lab FileID: 3V11187.D
Injection Time: 05/22/14 12:08
Method: SW846 8260C
Analyst approved: 05/23/14 14:36 Dipa Patel
Supervisor approved: 05/29/14 17:49 Jessica Reitan-Chu

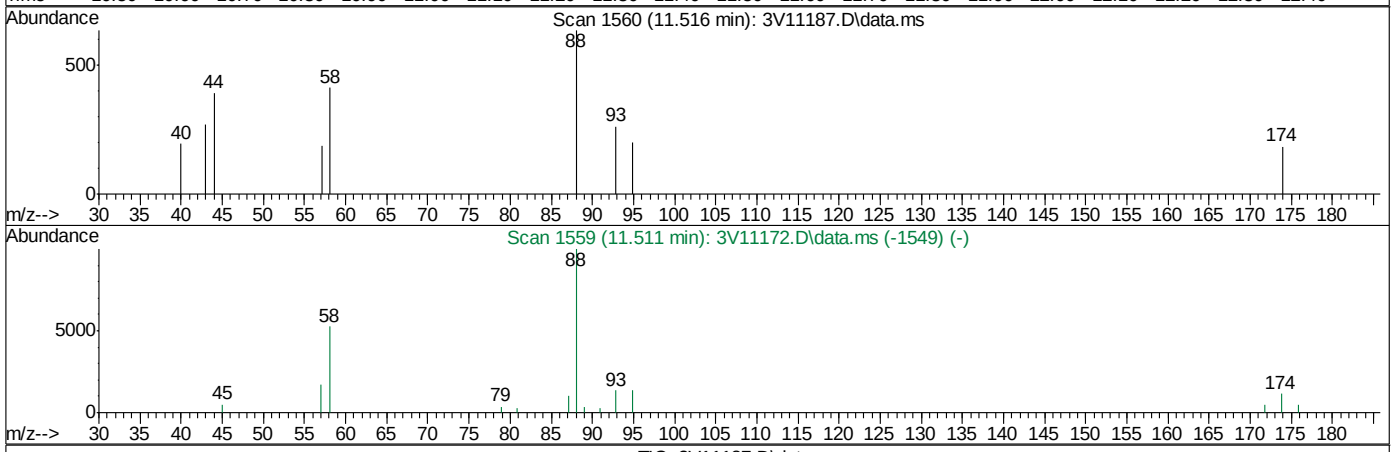
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Acetate	79-20-9		7.08	Poor instrument integration
Tert Butyl Alcohol	75-65-0		7.44	Poor instrument integration
2-Butanone (MEK)	78-93-3		9.18	Missed peak
1,4-Dioxane	123-91-1		11.52	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 51.05ug/L

response 1205

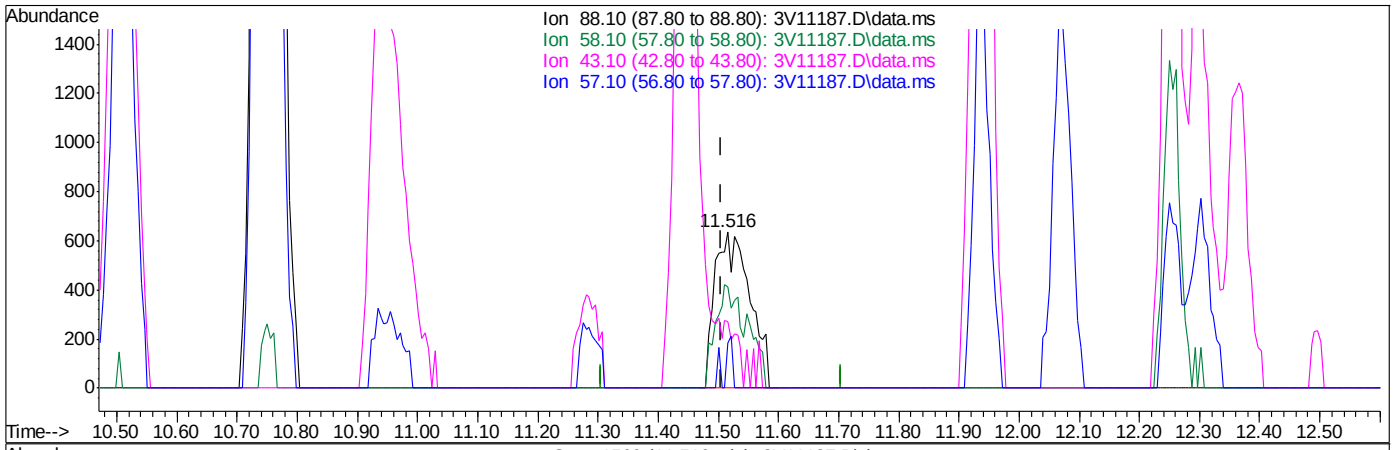
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	94.19#
43.10	0.00	0.00
57.10	22.70	0.00

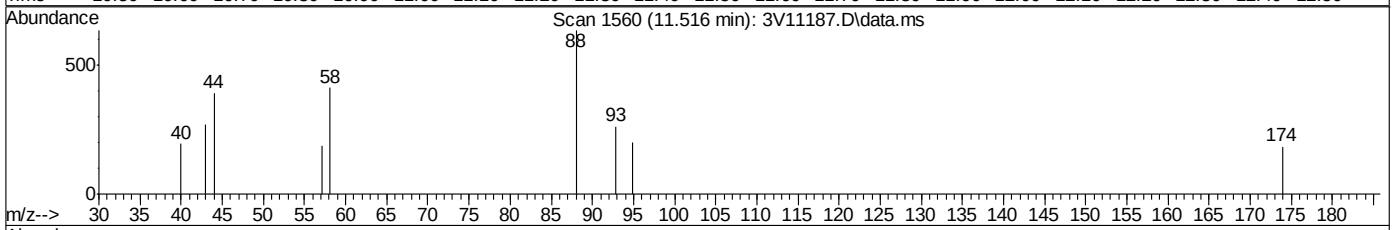
3V11187.D edits: 1,4-dioxane

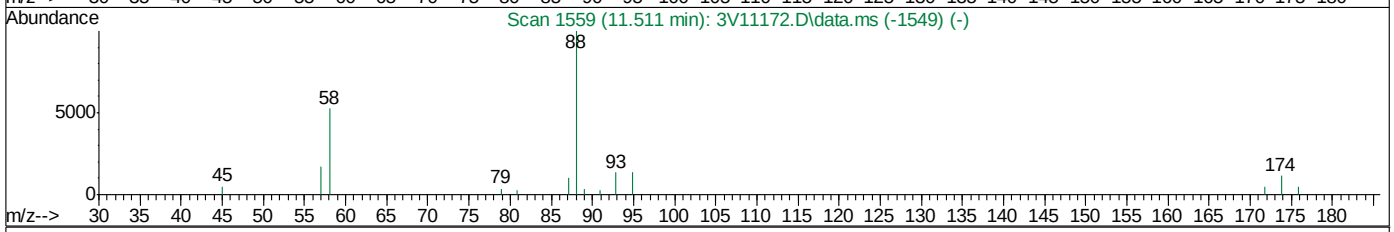
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(2) 1,4-dioxane

11.516min (+0.011) 108.29ug/L m

response 2556

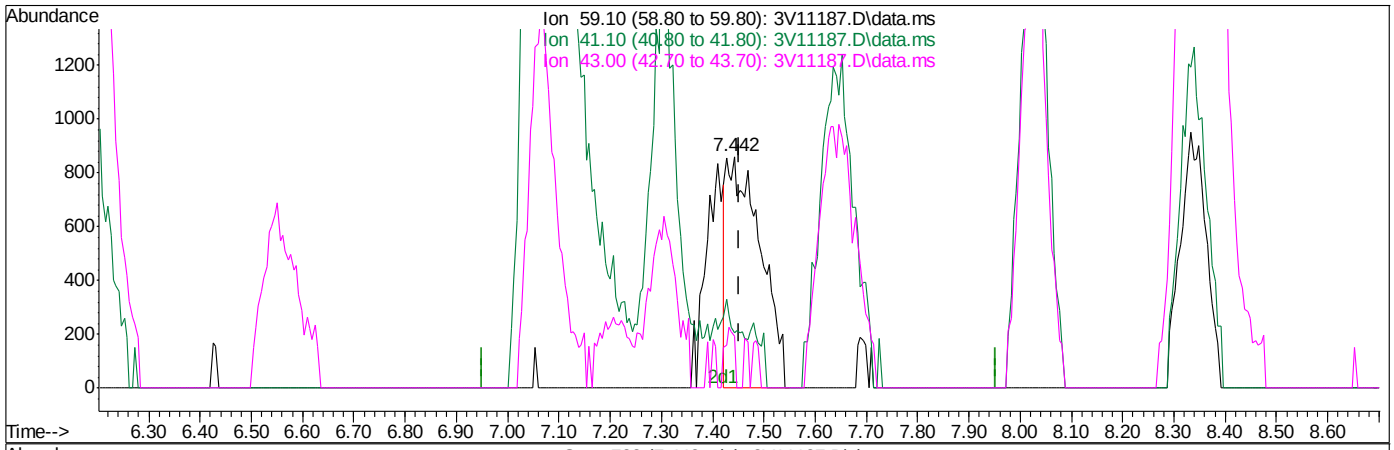
Ion	Exp%	Act%
88.10	100	100
58.10	60.40	44.41
43.10	0.00	0.00
57.10	22.70	0.00

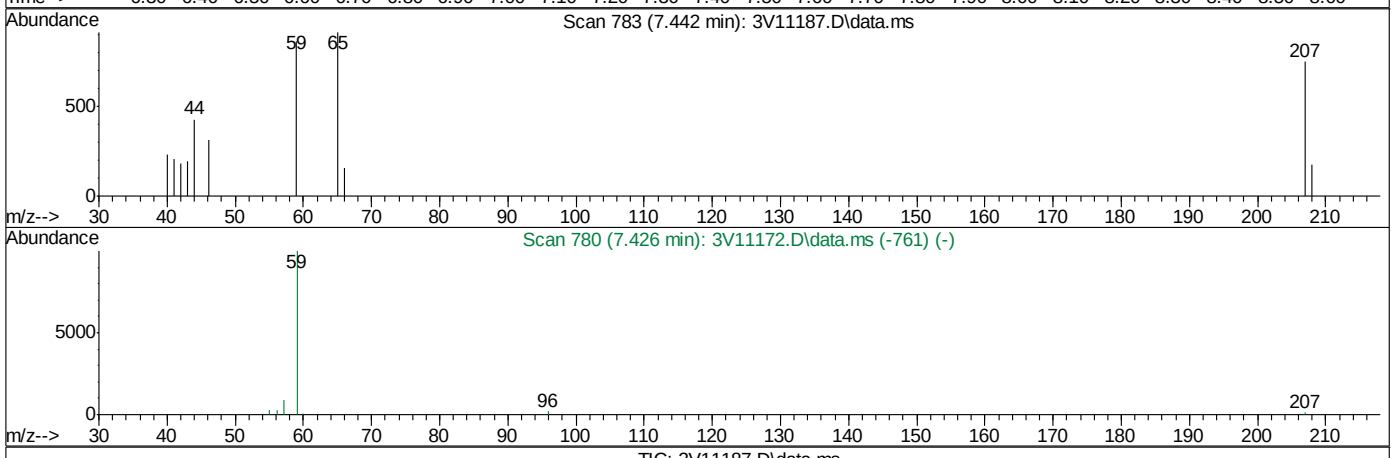
3V11187.D edits: 1,4-dioxane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 16.81ug/L

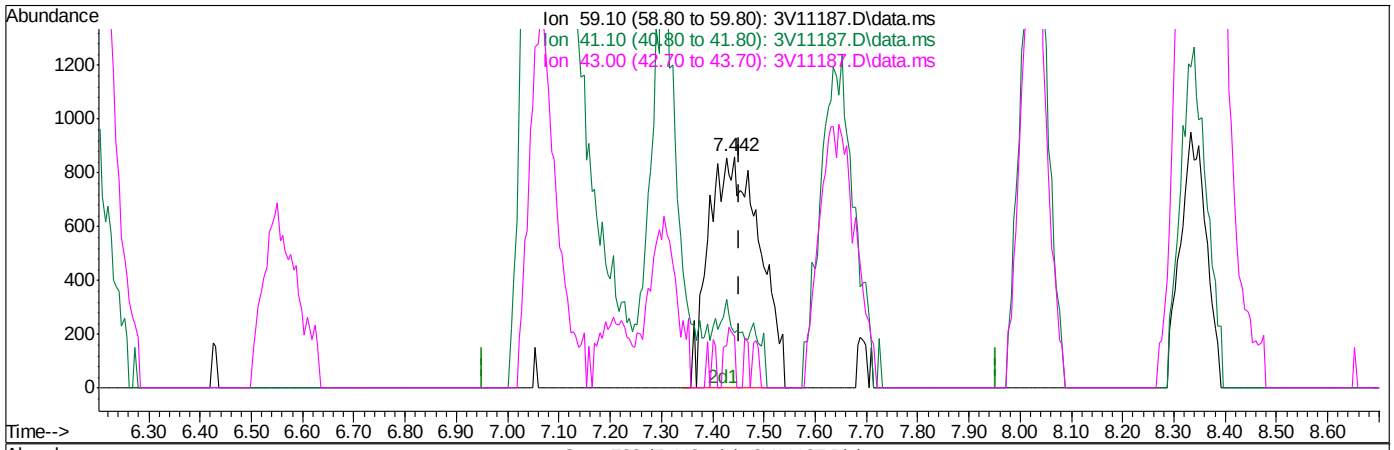
response 3968

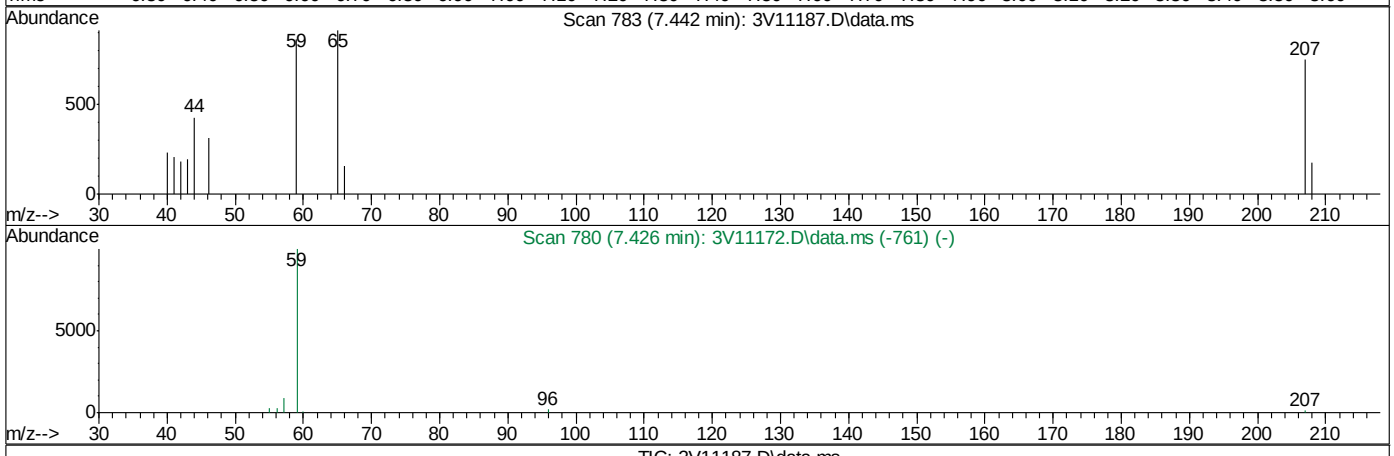
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(4) tertiary butyl alcohol (M)

7.442min (-0.010) 25.22ug/L m

response 5952

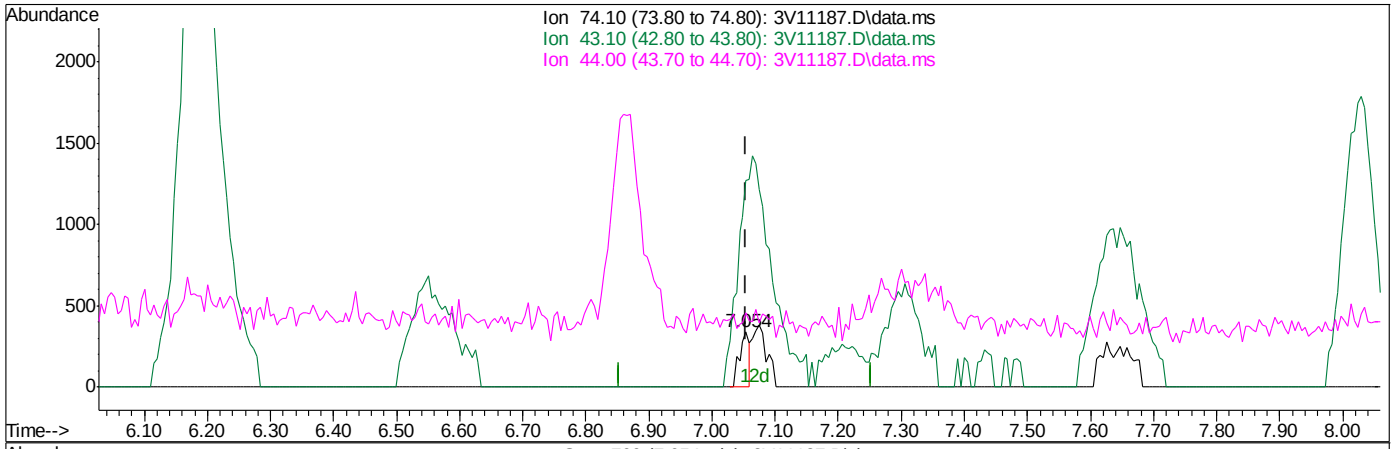
Ion	Exp%	Act%
59.10	100	100
41.10	22.00	23.93
43.00	12.60	22.65
0.00	0.00	0.00

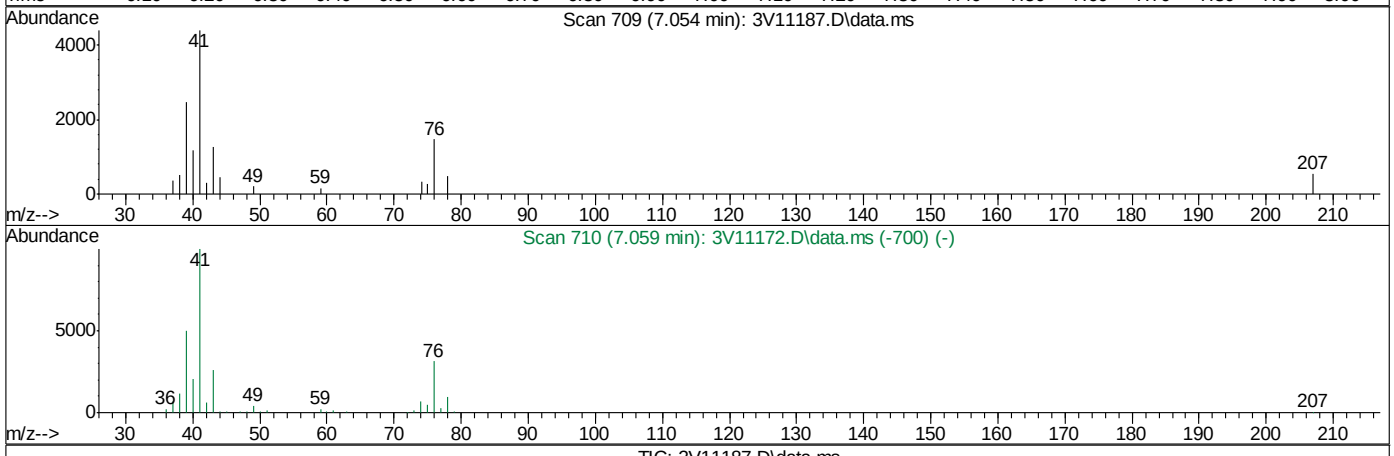
3V11187.D edits: tertiary butyl alcohol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(25) methyl acetate

7.054min (+0.000) 1.80ug/L

response 390

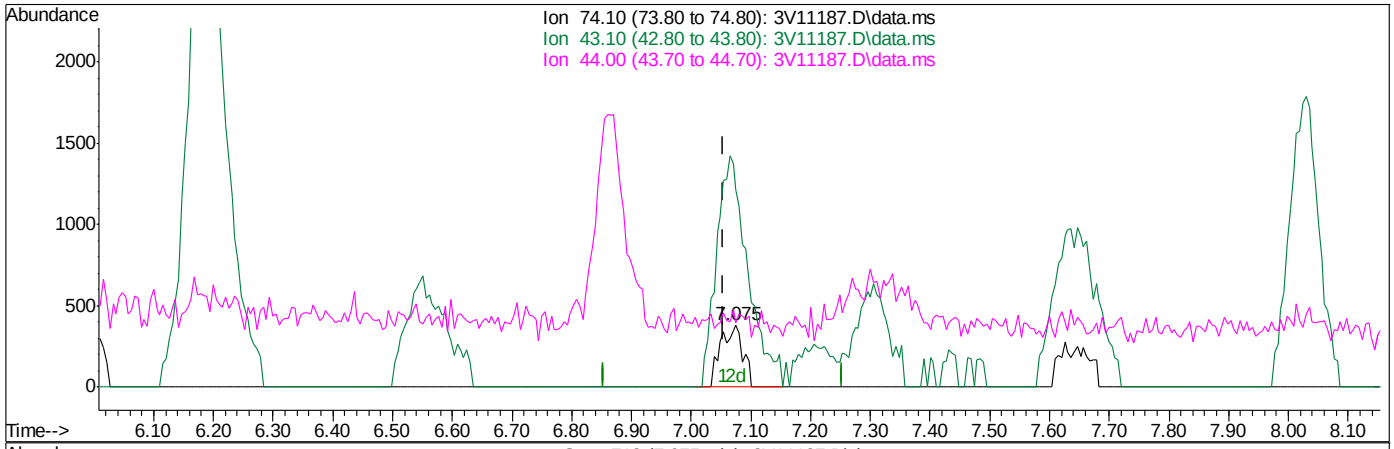
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	1333.59#
44.00	11.80	0.00
0.00	0.00	0.00

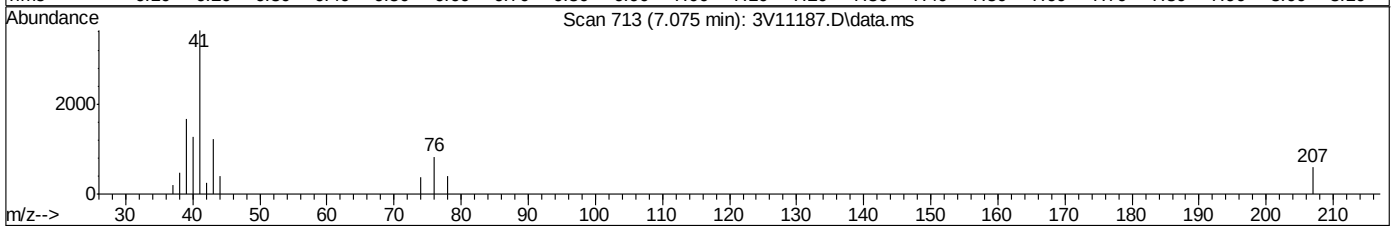
3V11187.D edits: methyl acetate

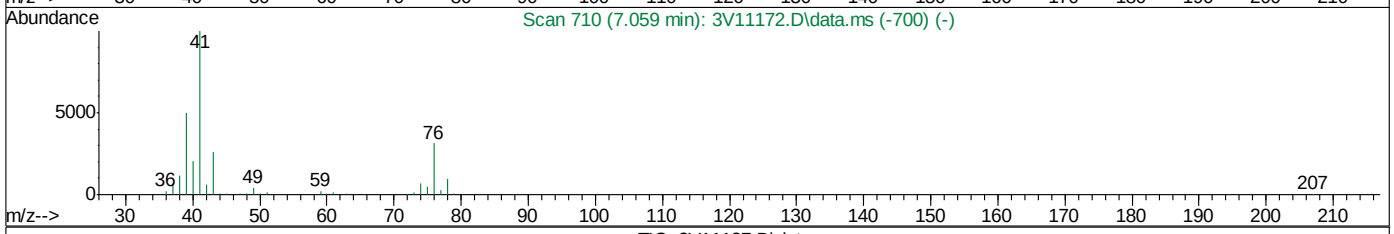
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 15:51:51 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration







TIC: 3V11187.D\data.ms

(25) methyl acetate

7.075min (+0.021) 4.53ug/L m

response 979

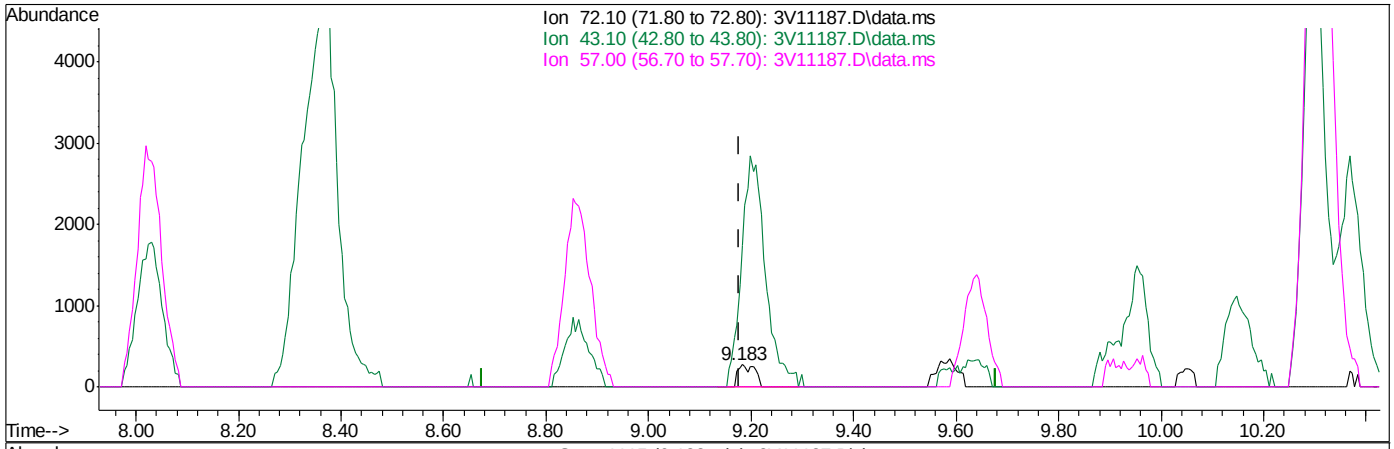
Ion	Exp%	Act%
74.10	100	100
43.10	431.60	531.26#
44.00	11.80	0.00
0.00	0.00	0.00

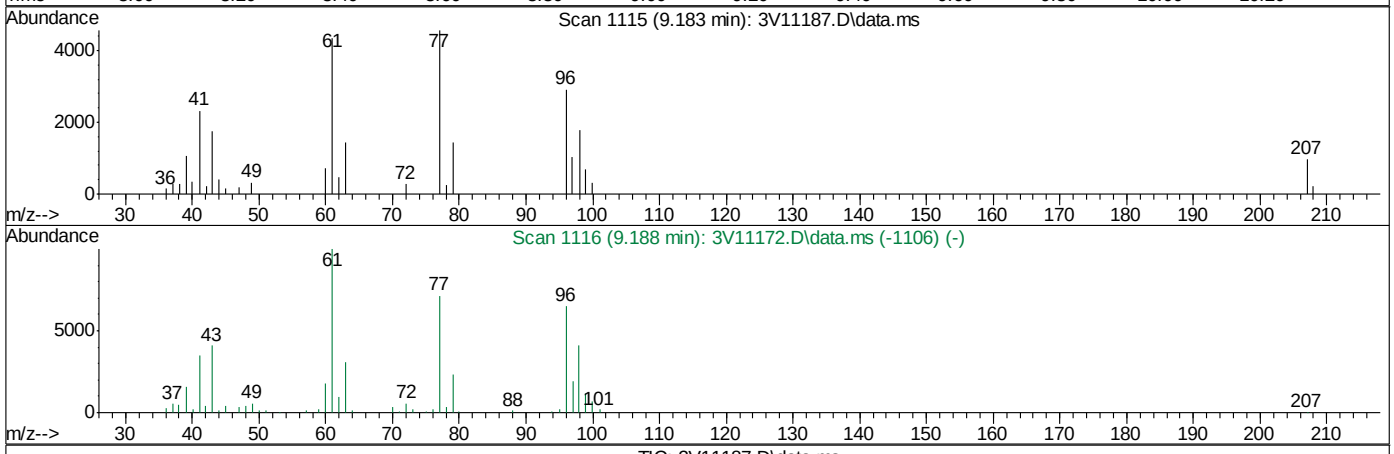
3V11187.D edits: methyl acetate

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11187.D
Acq On : 22 May 2014 12:08 pm
Operator : thienn
Sample : ic474-5
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 14:27:15 2014
Quant Method : C:\msdchem\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 22 15:51:28 2014
Response via : Initial Calibration





TIC: 3V11187.D\data.ms

(30) 2-butanone

9.183min (+0.005) 3.79ug/L m

response 634

Ion	Exp%	Act%
72.10	100	100
43.10	1007.00	0.00#
57.00	25.00	0.00#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

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

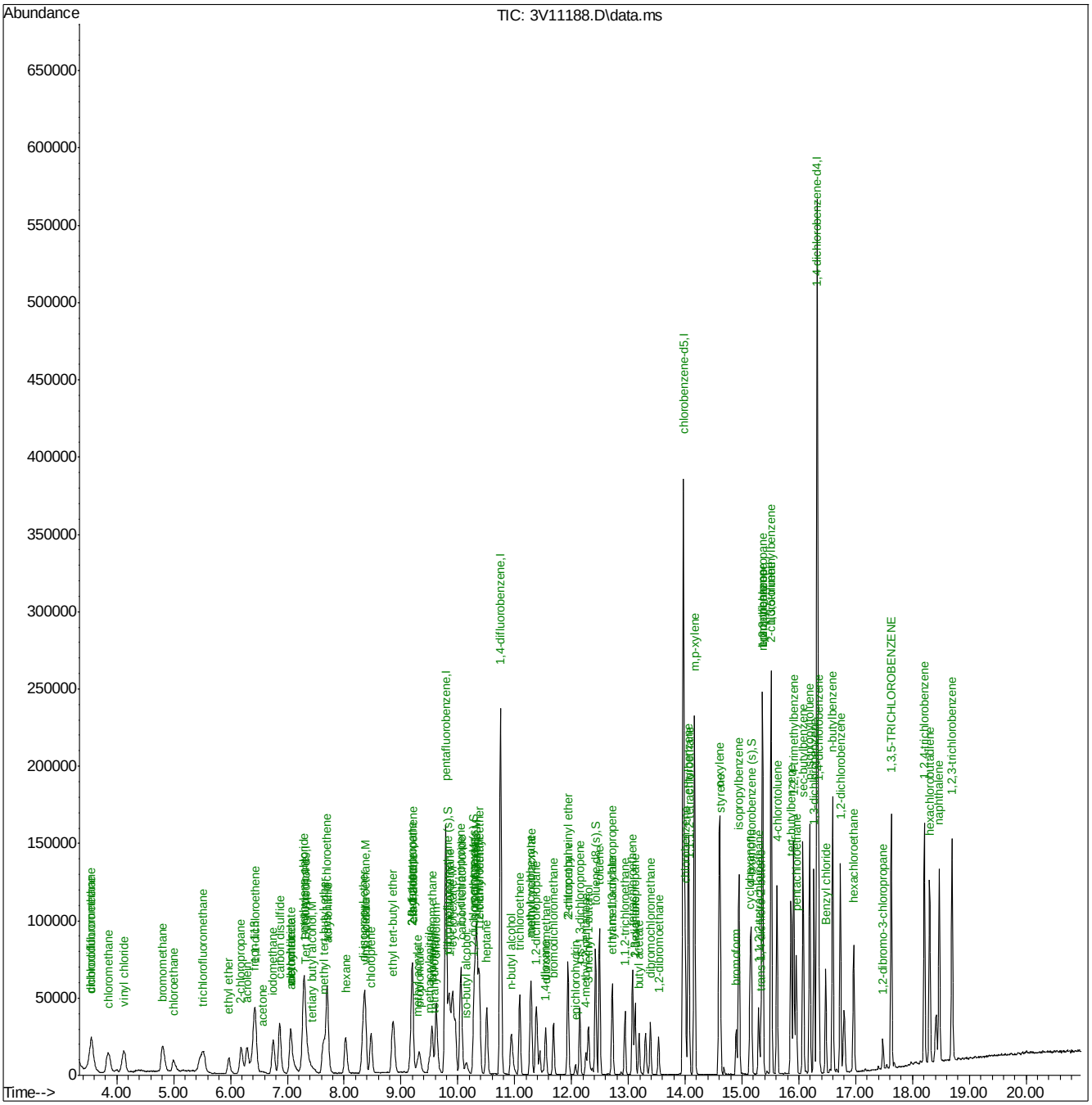
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94) isopropylbenzene	14.945	105	93795	8.70	ug/L		98
96) bromobenzene	15.359	156	26097	9.11	ug/L		99
97) cyclohexanone	15.144	55	31028	80.66	ug/L		99
98) 1,1,2,2-tetrachloroethane	15.291	83	23945	8.89	ug/L		97
99) trans-1,4-dichloro-2-b...	15.328	53	5144	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

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

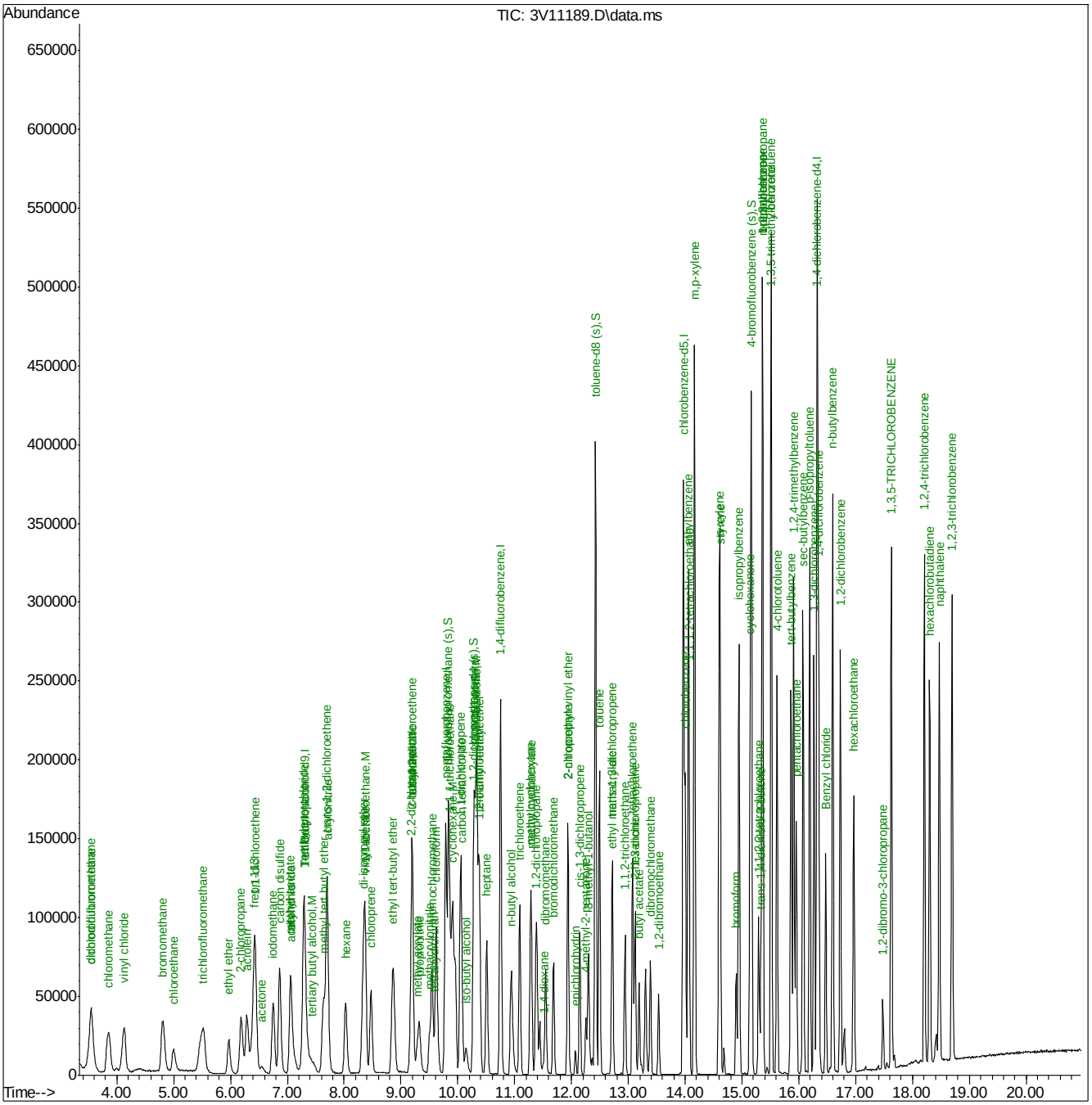
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	198743	19.00	ug/L	100
96) bromobenzene	15.359	156	53803	19.37	ug/L	98
97) cyclohexanone	15.144	55	92458	247.74	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	53202	20.35	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	11446	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

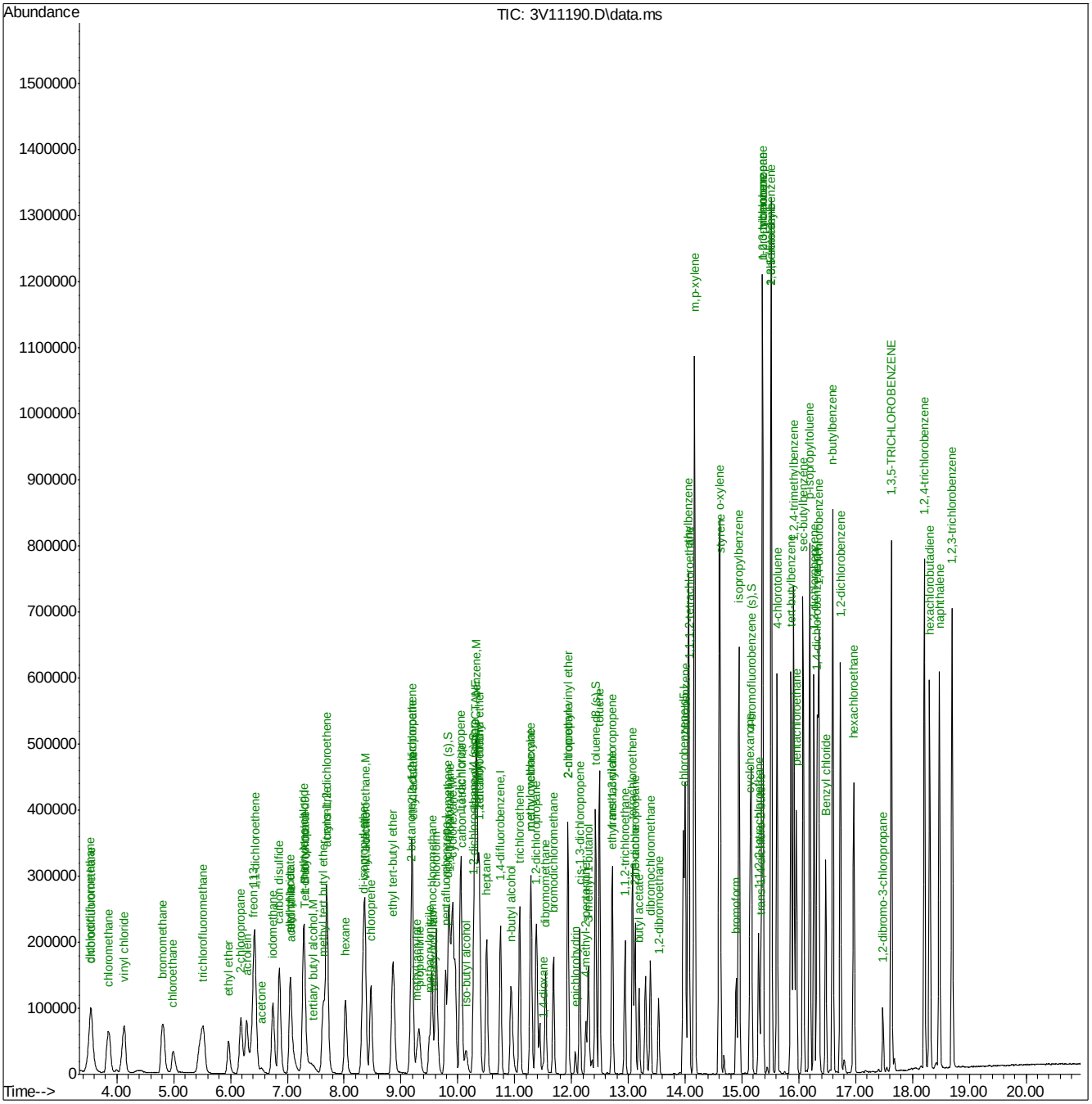
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.950	105	479873	47.15	ug/L	99
96) bromobenzene	15.359	156	126808	46.91	ug/L	98
97) cyclohexanone	15.144	55	148904	410.02	ug/L	99
98) 1,1,2,2-tetrachloroethane	15.291	83	118022	46.40	ug/L	100
99) trans-1,4-dichloro-2-b...	15.333	53	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

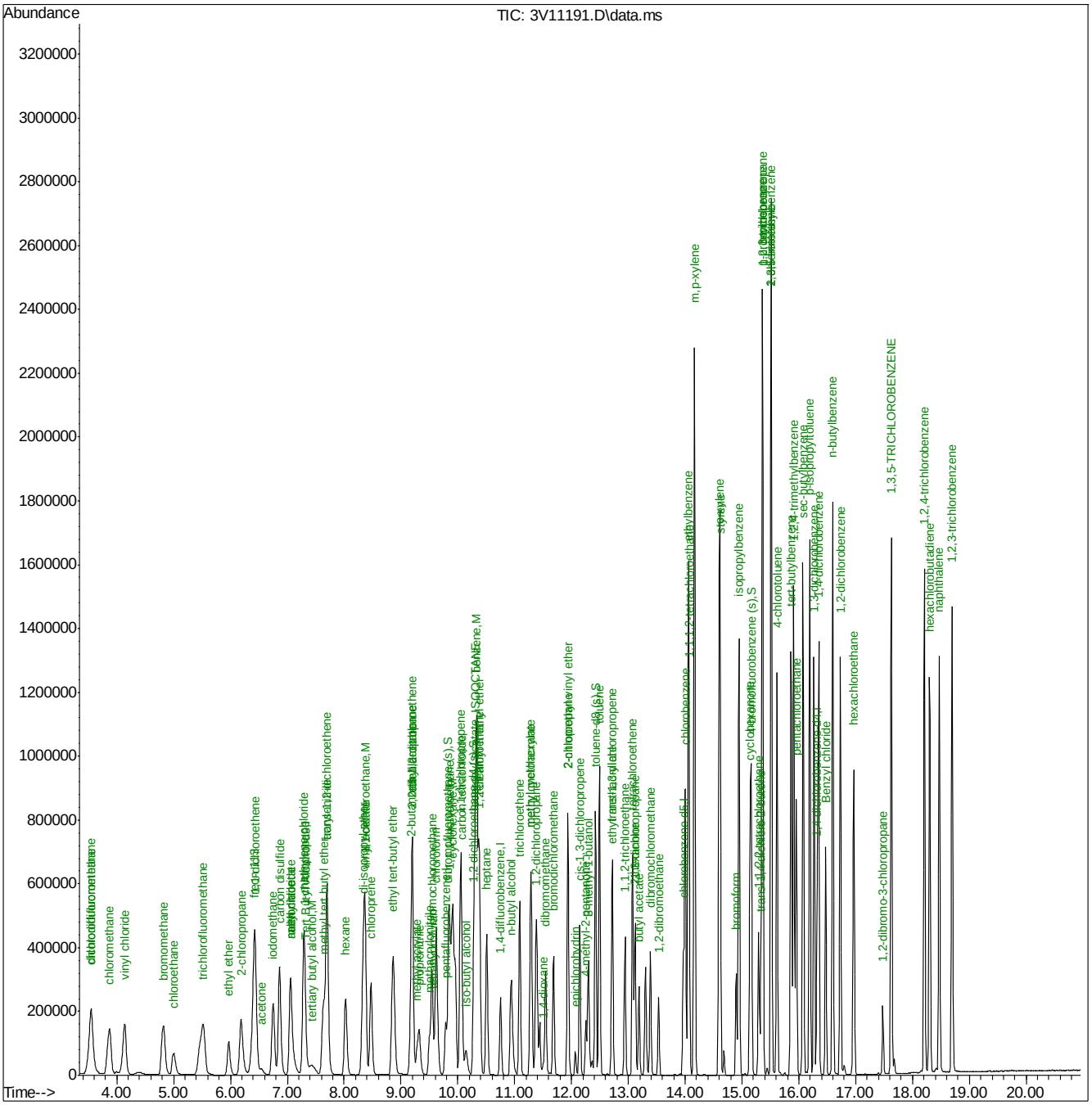
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	265833	93.70	ug/L	98
97)	cyclohexanone	15.144	55	344172	903.13	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	247154	92.60	ug/L	100
99)	trans-1,4-dichloro-2-b...	15.333	53	53630	103.90	ug/L	100
100)	1,2,3-trichloropropane	15.364	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 JB67976

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

ACCUTEST LABORATORIES JB67976

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

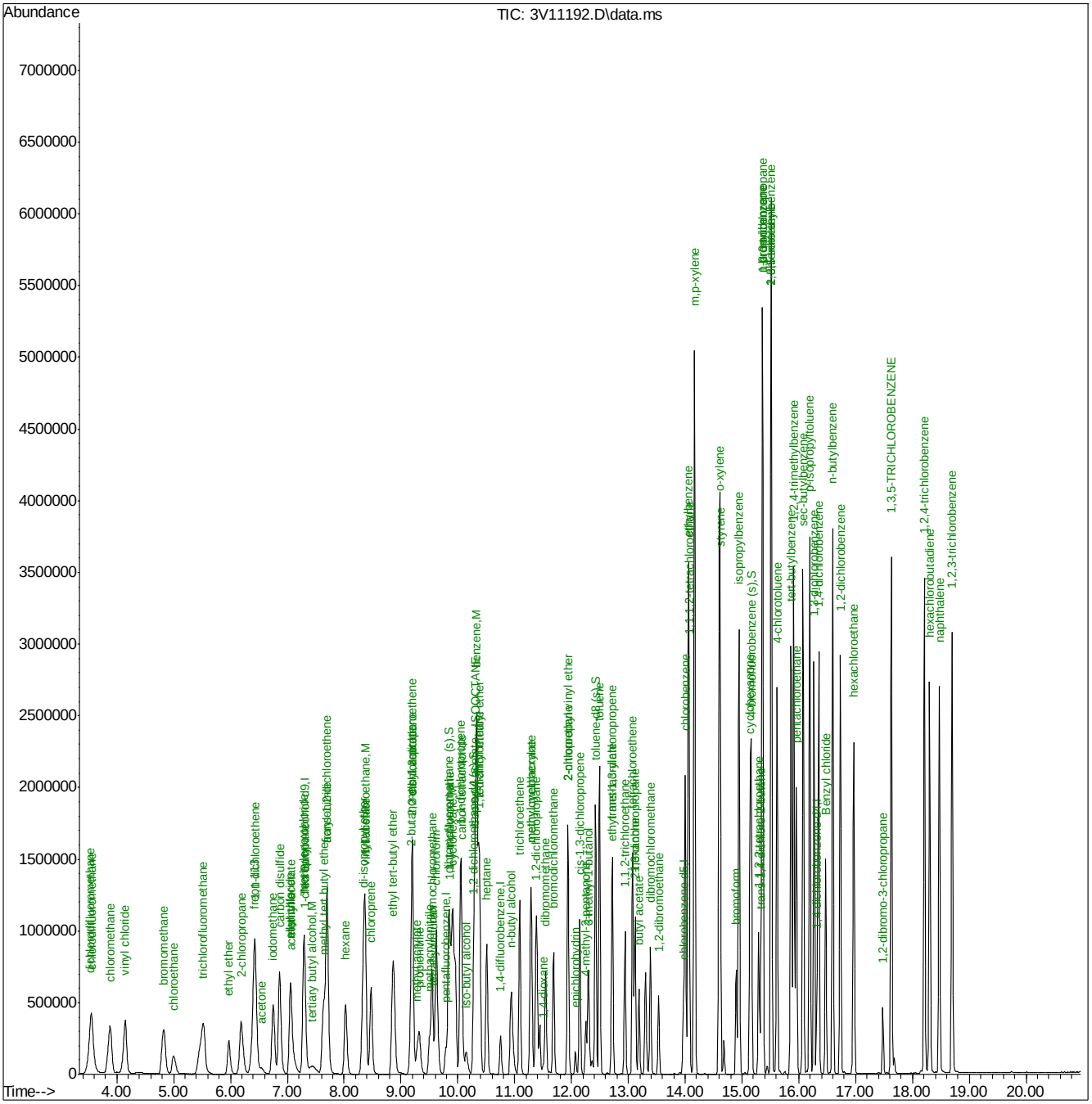
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96)	bromobenzene	15.359	156	593579	192.69	ug/L	100
97)	cyclohexanone	15.144	55	858508	2074.67	ug/L	99
98)	1,1,2,2-tetrachloroethane	15.291	83	556603	192.05	ug/L	99
99)	trans-1,4-dichloro-2-b...	15.333	53	121307	216.44	ug/L	99
100)	1,2,3-trichloropropane	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 JB67976

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

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration

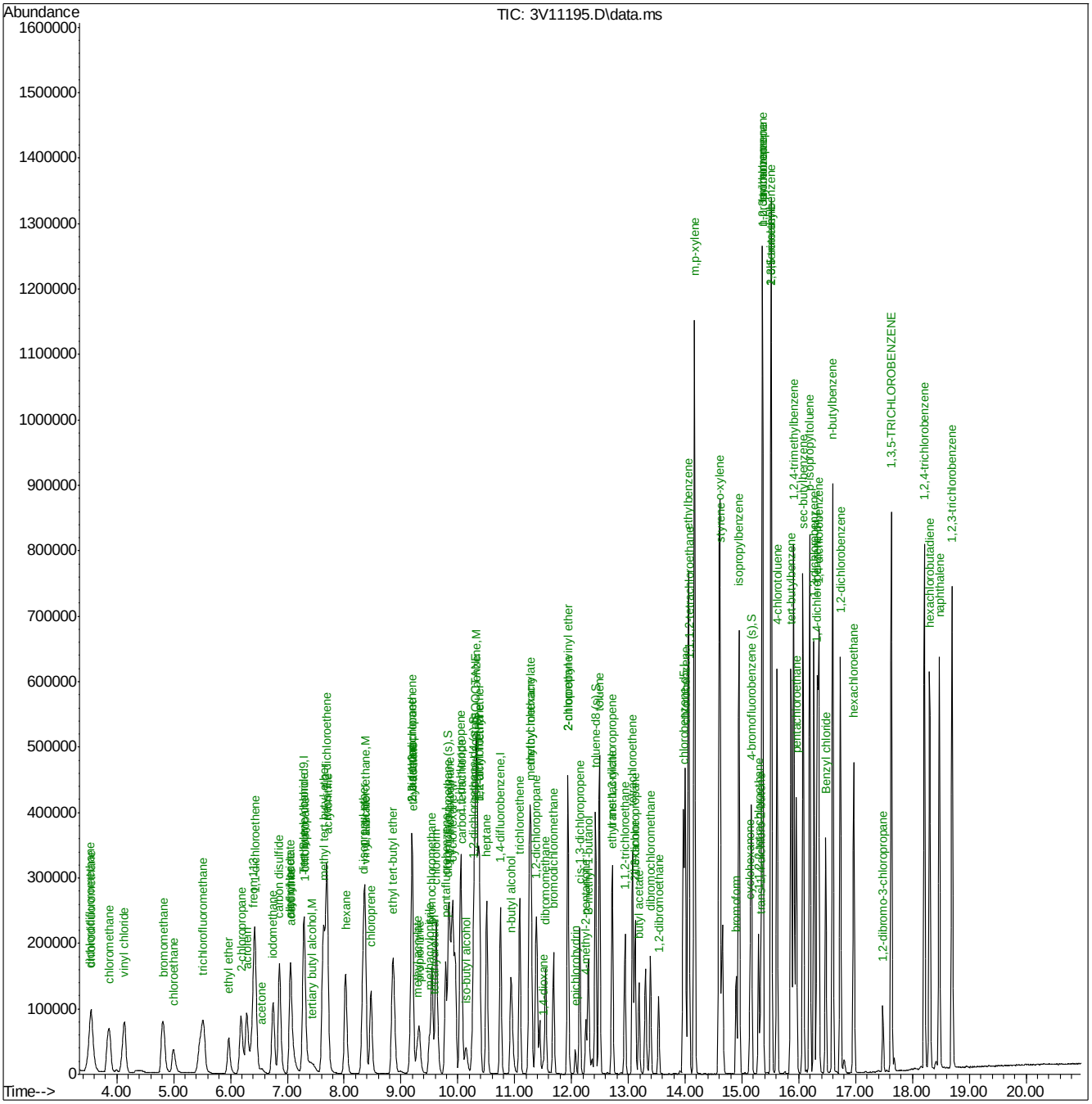
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	496313	51.49	ug/L	99
96) bromobenzene	15.359	156	131620	49.50	ug/L	99
97) cyclohexanone	15.144	55	67987	181.45	ug/L	97
98) 1,1,2,2-tetrachloroethane	15.291	83	116808	46.91	ug/L	98
99) trans-1,4-dichloro-2-b...	15.333	53	25756	46.31	ug/L	94
100) 1,2,3-trichloropropane	15.364	110	25136	46.88	ug/L	98
101) n-propylbenzene	15.364	91	621639	53.47	ug/L	100
102) 2-chlorotoluene	15.516	126	127703	51.09	ug/L	100
103) 4-chlorotoluene	15.616	91	356261	49.45	ug/L	100
104) 1,3,5-trimethylbenzene	15.516	105	434516	51.98	ug/L	100
105) tert-butylbenzene	15.863	119	346597	50.40	ug/L	97
106) pentachloroethane	15.957	167	91246	50.93	ug/L	97
107) 1,2,4-trimethylbenzene	15.910	105	466226	52.74	ug/L	99
108) sec-butylbenzene	16.072	105	591584	51.60	ug/L	100
109) 1,3-dichlorobenzene	16.266	146	273449	48.56	ug/L	100
110) p-isopropyltoluene	16.193	119	501601	52.90	ug/L	99
111) 1,4-dichlorobenzene	16.350	146	273581	48.14	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	270954	48.72	ug/L	99
113) n-butylbenzene	16.597	92	285819	52.76	ug/L	100
114) 1,2-dibromo-3-chloropr...	17.477	75	24799	44.45	ug/L	99
115) 1,3,5-TRICHLOROBENZENE	17.629	180	285142	51.24	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	265816	51.01	ug/L	98
117) hexachlorobutadiene	18.301	225	138487	51.04	ug/L	99
118) naphthalene	18.474	128	499992	48.14	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	247636	50.83	ug/L	99
120) hexachloroethane	16.969	119	102920	50.23	ug/L	99
121) Benzyl chloride	16.471	91	258883	52.54	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11195.D
Acq On : 22 May 2014 3:41 pm
Operator : thienn
Sample : icv474-50
Misc : MS65178,V3V474,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 12:55:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3V474.M
Quant Title : SW-846 Method 8260
QLast Update : Thu May 29 12:53:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11300.D
Acq On : 30 May 2014 9:58 am
Operator : thienn
Sample : cc474-50
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 17:03:35 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	7.316	65	118008	500.00	ug/L	0.01
5) pentafluorobenzene	9.786	168	189274	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.751	114	284601	50.00	ug/L	0.00
79) chlorobenzene-d5	13.964	117	261884	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.324	152	164058	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.833	113	128639	53.71	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 107.42%			
44) 1,2-dichloroethane-d4 (s)	10.279	65	110331	52.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 105.24%			
71) toluene-d8 (s)	12.418	98	417146	59.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 124		Recovery = 118.36%			
95) 4-bromofluorobenzene (s)	15.165	95	171246	59.53	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 119.06%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.511	88	39538	1314.48	ug/L #	100
4) tertiary butyl alcohol	7.442	59	82478	260.93	ug/L	99
6) chlorodifluoromethane	3.557	51	217175	60.90	ug/L	98
7) dichlorodifluoromethane	3.536	85	278374	55.37	ug/L	99
8) chloromethane	3.861	50	251298	58.07	ug/L	100
9) vinyl chloride	4.129	62	269993	57.96	ug/L	99
10) bromomethane	4.815	94	160458	54.25	ug/L	98
11) chloroethane	4.994	64	87162	56.69	ug/L	98
12) trichlorofluoromethane	5.518	101	274993	53.62	ug/L	97
13) ethyl ether	5.964	74	55222	58.04	ug/L	99
14) 2-chloropropane	6.184	43	218223	59.37	ug/L	98
15) acrolein	6.283	56	155733	409.31	ug/L	97
16) 1,1-dichloroethene	6.430	96	138933	54.21	ug/L	93
17) acetone	6.546	43	36264	54.13	ug/L	97
18) allyl chloride	7.054	76	63492	54.20	ug/L	99
19) acetonitrile	7.065	40	94399	570.38	ug/L	97
20) iodomethane	6.745	142	295769	55.26	ug/L	99
21) iso-butyl alcohol	10.142	41	40910	564.06	ug/L	98
22) carbon disulfide	6.860	76	569036	60.18	ug/L	100
23) methylene chloride	7.285	84	154326	51.30	ug/L	96
24) 1-chloropropane	7.301	42	207271	50.61	ug/L	99
25) methyl acetate	7.065	74	15623	58.42	ug/L	99
26) methyl tert butyl ether	7.641	73	363847	59.04	ug/L	99
27) trans-1,2-dichloroethene	7.694	96	142680	52.62	ug/L	99
28) di-isopropyl ether	8.339	45	377083	58.23	ug/L	91
29) ethyl tert-butyl ether	8.858	59	375853	57.87	ug/L	98
30) 2-butanone	9.178	72	12841	60.87	ug/L	94
31) 1,1-dichloroethane	8.360	63	245711	59.17	ug/L	98
32) chloroprene	8.470	53	155246	56.66	ug/L	99
33) acrylonitrile	7.699	53	189999	311.36	ug/L	96
34) vinyl acetate	8.370	86	13028	55.26	ug/L	85
35) ethyl acetate	9.199	45	11803	56.70	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11300.D
Acq On : 30 May 2014 9:58 am
Operator : thienn
Sample : cc474-50
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 17:03:35 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	9.183	77	241452	57.47	ug/L		98
37) cis-1,2-dichloroethene	9.193	96	149931	48.49	ug/L		95
38) propionitrile	9.319	54	159023	590.03	ug/L		96
39) methyl acrylate	9.282	55	102823	58.32	ug/L	#	97
40) bromochloromethane	9.539	128	70299	55.13	ug/L		93
41) tetrahydrofuran	9.566	42	33986	60.37	ug/L		98
42) chloroform	9.613	83	235568	52.23	ug/L		99
45) freon 113	6.404	151	119638	52.33	ug/L		97
46) methacrylonitrile	9.497	41	50439	57.68	ug/L		92
47) 1,1,1-trichloroethane	9.854	97	236442	56.32	ug/L		98
48) tert-amyl methyl ether	10.368	73	365194	56.28	ug/L		96
50) epichlorohydrin	12.067	57	46247	291.57	ug/L		99
51) n-butyl alcohol	10.934	56	198571	3108.09	ug/L		100
52) cyclohexane	9.912	84	222120	59.84	ug/L		95
53) carbon tetrachloride	10.064	117	214833	57.11	ug/L		99
54) 1,1-dichloropropene	10.043	75	172548	58.39	ug/L		98
55) hexane	8.024	57	131754	56.03	ug/L		99
56) ISOOCTANE	10.310	57	479861	57.27	ug/L	#	93
57) benzene	10.331	78	497590	56.10	ug/L		99
58) heptane	10.504	57	81375	56.74	ug/L		97
59) isopropyl acetate	10.294	43	234645	56.04	ug/L		99
60) 1,2-dichloroethane	10.373	62	139142	55.93	ug/L		99
61) trichloroethene	11.086	95	129361	55.87	ug/L		98
63) 2-nitropropane	11.935	43	166872	56.36	ug/L		99
64) 2-chloroethyl vinyl ether	11.935	63	248664	305.78	ug/L		98
65) methyl methacrylate	11.285	41	83155	56.58	ug/L		97
66) 1,2-dichloropropane	11.374	63	123799	58.05	ug/L		95
67) methylcyclohexane	11.285	83	218298	57.15	ug/L		97
68) dibromomethane	11.542	93	75198	56.09	ug/L		98
69) bromodichloromethane	11.684	83	159889	56.38	ug/L		100
70) cis-1,3-dichloropropene	12.145	75	183251	58.10	ug/L		97
72) 4-methyl-2-pentanone	12.250	58	39511	60.31	ug/L		98
73) toluene	12.491	92	276183	53.35	ug/L		98
74) 3-methyl-1-butanol	12.297	70	67912	1218.71	ug/L		98
75) trans-1,3-dichloropropene	12.722	75	155726	58.05	ug/L		96
76) ethyl methacrylate	12.711	69	115003	57.55	ug/L		99
77) 1,1,2-trichloroethane	12.937	83	83614	57.68	ug/L		97
78) 2-hexanone	13.115	58	36510	61.03	ug/L		94
80) tetrachloroethene	13.078	166	136743	56.27	ug/L		97
81) 1,3-dichloropropane	13.120	76	144916	58.93	ug/L		99
82) butyl acetate	13.189	56	58474	57.67	ug/L		100
83) dibromochloromethane	13.388	129	126159	56.05	ug/L		99
84) 1,2-dibromoethane	13.535	107	102898	58.55	ug/L		98
86) chlorobenzene	13.996	112	332364	56.31	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.069	131	136999	56.65	ug/L		98
88) ethylbenzene	14.054	91	575014	55.90	ug/L		99
89) m,p-xylene	14.164	106	441406	109.48	ug/L		100
90) o-xylene	14.599	106	229382	58.58	ug/L		98
91) styrene	14.615	104	357767	59.86	ug/L		99
92) bromoform	14.898	173	93700	57.00	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11300.D
Acq On : 30 May 2014 9:58 am
Operator : thienn
Sample : cc474-50
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 17:03:35 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

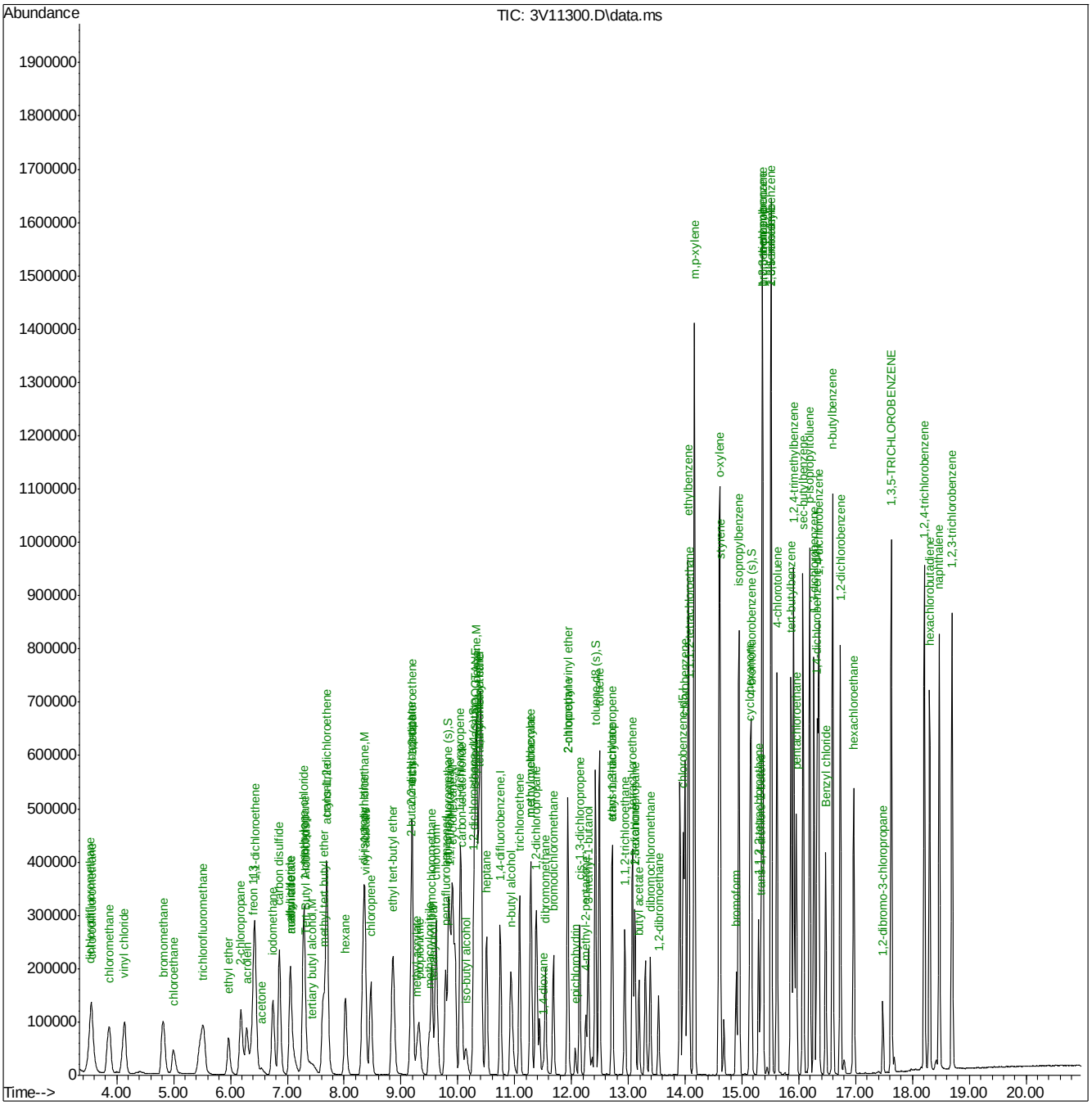
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) isopropylbenzene	14.945	105	611897	59.01	ug/L	99
96) bromobenzene	15.359	156	160777	56.21	ug/L	99
97) cyclohexanone	15.144	55	231254	573.78	ug/L	98
98) 1,1,2,2-tetrachloroethane	15.291	83	160485	59.92	ug/L	99
99) trans-1,4-dichloro-2-b...	15.333	53	35567	59.46	ug/L	97
100) 1,2,3-trichloropropane	15.359	110	33594	58.24	ug/L	100
101) n-propylbenzene	15.364	91	736684	58.91	ug/L	99
102) 2-chlorotoluene	15.511	126	157717	58.66	ug/L	97
103) 4-chlorotoluene	15.616	91	443989	57.29	ug/L	99
104) 1,3,5-trimethylbenzene	15.516	105	534347	59.43	ug/L	100
105) tert-butylbenzene	15.862	119	414318	56.01	ug/L	98
106) pentachloroethane	15.957	167	105931	54.96	ug/L	98
107) 1,2,4-trimethylbenzene	15.910	105	541719	56.97	ug/L	99
108) sec-butylbenzene	16.072	105	722914	58.62	ug/L	99
109) 1,3-dichlorobenzene	16.266	146	332228	54.85	ug/L	99
110) p-isopropyltoluene	16.193	119	609150	59.72	ug/L	100
111) 1,4-dichlorobenzene	16.350	146	334393	54.70	ug/L	99
112) 1,2-dichlorobenzene	16.733	146	329222	55.04	ug/L	99
113) n-butylbenzene	16.596	92	341840	58.66	ug/L	99
114) 1,2-dibromo-3-chloropr...	17.477	75	33271	55.44	ug/L	97
115) 1,3,5-TRICHLOROBENZENE	17.629	180	329104	54.98	ug/L	100
116) 1,2,4-trichlorobenzene	18.211	180	305319	54.47	ug/L	99
117) hexachlorobutadiene	18.300	225	159655	54.70	ug/L	98
118) naphthalene	18.468	128	628895	56.29	ug/L	100
119) 1,2,3-trichlorobenzene	18.694	180	289774	55.29	ug/L	100
120) hexachloroethane	16.964	119	122738	55.69	ug/L	99
121) Benzyl chloride	16.471	91	298749	56.36	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3V11300.D
Acq On : 30 May 2014 9:58 am
Operator : thienn
Sample : cc474-50
Misc : MS68245,V3V479,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 03 17:03:35 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 JB67976

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V1C5716

Date: 5/12/14

Print Analyst Name: Mancela Delgadillo

Analyst Signature: Mdelgadillo

Standard Data

Lot #	Description	Conc.
VOA-1522-129	EXTA	100ppm
128	B	↓
141	C	↓
↓ 86	↓ Acr	1000ppm
222511 144	PHOPIPEY	

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											ok	11:52am	
	128176	IC5716-0.2	V8260B initial Cal.	W									ok	1ul A,B,C,Ac,Surr/50mL	
	128177	IC5716-0.5											ok	2.5ul A,B,C,Ac,Surr/50mL	
	128178	IC5716-1											ok	5ul A,B,C,Ac,Surr/100mL	
	128179	IC5716-2											ok	2ul A,B,C,Ac,Surr/100mL	
	128180	IC5716-5											ok	5ul A,B,C,Ac,Surr/100mL	
	128181	IC5716-10											ok	5ul A,B,C,Ac,Surr/50mL	
	128182	IC5716-20											ok	10ul A,B,C,Ac +25ul Surr/50mL	
	128183	IC5716-50											ok	25ul A,B,C,Ac,Surr/50mL	
	128184	IC5716-100											ok	50ul A,B,C,Ac,Surr/50mL	
	128185	IC5716-200											ok	100ul A,B,C,Ac,Surr/50mL	
	128186	IB													
	128187	IB													
	128188	ICV5716-50											ok	EXT: 25ul (A,B,C,Ac) +Surr/50mL	
	128189	IB	↓	↓											

MS 1BL

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

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7.2.1

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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.
VOL41801	D BFB	1ul
	19 CCS	"
	43 LCS	"
	65 LCSD	1ul
218713	PT	6.5.14

Standard Data

Lot #	Description	Conc.
VOL41801	87 A	1ul
	34 B	"
	40 C	"
VOL41801	138 DCB	1ul
VOL41801	83 1,2DCE	1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/6/2014

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	CCS 1C5716-2D				2	5		1x				NG	9as ♦	
	1C188945	CCS 1C5716-2D				3	5		1x				ok	per Accutest	
	1C188946	MB 1C				4					+				
	1C188947	BFB MB	RESH			5	5		1x		+		ok		
	1C188948	BS				6	5		1x		+		ok	per Accutest	
2	1C188949	206914-10	68835 NJTCLP+	G	6	7	5/5		1x		+		ok		—
2	1C188950	206880-3	68173 NJTCLP+	G	6	8	5		1x		+		ok		—
2	1C188951	206880-6	♦	♦	6	9	5		1x		+		ok		—
2	1C188952	206885-2	68191 STARS	G	3	10	2.5/5		25x		+		ok		—
2	1C188953	206886-3	♦	♦	3	11	5		5x		+		ok		—
2	1C188954	206914-9	68835 NJTCLP+	G	6	12	5/5		10x		+		ok		—
2	1C188955	206914-7	♦	♦	2	13	0.25/5		20x		+		ok		—
	1C188956	206880-3MS	68173 NJTCLP+	G	5	14	5		1x		+		ok	per Accutest ♦	—
	1C188957	206880-3MSD	♦	♦	5	15	5		1x		+		ok		—
2	1C188958	206914-3	68835 NJTCLP+	G	2	16	0.5/5		10x		+		ok		—
	1C188959	206920-6	68324 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

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.
	DFTPP	

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
	1C1885901	286977-7	68314 TCLP	S	1	18	5		1x				a		
	1C1885901	286973-15	68398 TCLP	S	4	19	5		1x				a		
	1C1885908	286973-16	4	S	1	20	5		1x				a	6:43 PM	

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

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ACCUTEST LABORATORIES JB67976

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2B5440

Date: 6/3/2014

Print Analyst Name: Payal Rana

Analyst Signature: Payal Rana

Columns: DB624

Method V8260B

Initial Cal. Method MV2B5440

Standard Data

Lot #	Description	Conc.
014-1861-20	EXT A	100/110
19	B	
25	C	
V05	Acrolein	1000/110
44	ethanol	10000/110

Standard Data

Lot #	Description	Conc.
014-1861-47	STD A	100/110
24	B	
36	C	
6/4/2014-03	Acrolein	1000/110
014-1861-45	Ethanol	10000/110

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 6/4/2014

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2B119837	BFB				1	5		1X				ok		
	119838	IC5440-0.2	8260 Initial	A B		2	5		1X				ok	0.2 STD(A,B,C,ACT ETHL) (ethanol NG.	4:40pm
	119839	IC5440-0.5				3	5		1X				ok	0.5	
	119840	IC5440-1				4	5		1X				ok	1	
	119841	IC5440-2				5	5		1X				ok	2	
	119842	IC5440-5				6	5		1X				ok	5	0
	119843	IC5440-10				7	5		1X				ok	10	
	119844	IC5440-20				8	5		1X				ok	20	
	119845	IC5440-50				9	5		1X				ok	50	
	119846	IC5440-100				10	5		1X				ok	100	
	119847	IC5440-200				11	5		1X				ok	200	
	119848	IB				12	5		1X				dump		
	119849	IB				13	5		1X				dump		
	119850	ICV5440-50				14	5		1X				ok	2xT A-13 C-Acrolein 2xt Ethanol 25ul->5ml	
	119851	IB				15	5		1X						
		Isopropylbenzene up			100	ppb								YL 6/4/2014	

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST LABORATORIES JB67976

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2B5444

Print Analyst Name: Payal Rana

Analyst Signature: Payal Rana

Date: 6/6/2014

Columns: DB624

Method V8260C

Initial Cal. Method M2B5440

Standard Data

Lot #	Description	Conc.
014-1861-20	STD A	100 PPM
19	B	↓
43	C	↓
05	↓ Acrolein	1000PPM
41	INT/SUR	25/50PPM

Standard Data

Lot #	Description	Conc.
014-1861-27	STD A	100PPM
↓ 34	B	↓
↓ 36	C	↓
014-1122-138	Acrolein	1000PPM
2/27/13	pH paper	Exp 5/1/16

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:** 6/6/14

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
	BB119916	BFB				1							OK	8:44 AM	
	119917	CCS440-20				2					~		MR	↑	
	119918	CCS440-20				3					~		OK		
	119919	IB				4					~		EO		
	119920	MB				5				✓	~		OK		
	119921	BS				6					~		OK		
	119922	IB				7					~		EO		
R	119923	JB67976-6	68314 TCL20	S	5	8	5		1X		~		OK		✓
R	119924	JB67972-3	68306 87X, 8CL	W	2	9	5		1X		~		OK	+2B Combine	✓
R	119925	JB68433-5	68568 87XO	S	2	10	5		1X		~		OK	↓	✓
R	119926	JB68433-2	↓	↓	2	11	10/50		5X		~		OK	↓	✓
	119927	JB67972-3MS	68306 87X, 8CL	W	1/2	12	5		1X		~		OK		TR.
	119928	JB67972-3MSD	↓	W	1/2	13	5		1X		~				✓
	119929	IB				14							EO		
	119930	IB				15							EO		
R	119931	JB68433-1	68568 87XM	S	1	16	5		1X		~		OK		✓
R	119932	JB68326-8	68548 87XM	↓	2	17	5		1X		~		OK		✓

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Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2B5444

Print Analyst Name: Payal Rana

Analyst Signature: Payal Rana

Date: 6/6/2014

Columns: DB624

Method V8260C

Initial Cal. Method M2B5440

Standard Data

Lot #	Description	Conc.
	Reject	

Standard Data

Lot #	Description	Conc.
page	31	

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: 6/6/14

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	26119933	JB68326-6	68548 BTXM	W	2	18	5		1X				OK		✓
r	119934	JB68316-7	↓	↓	2	19	2.5 5.0		20X				OK	+2B 119914 7:01 PM	✓
	119935	JB				20							Go		
														PR 6/6	

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: 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	Advi	1000
↓ 146	Surr	100 ↓

Standard Data

Lot #	Description	Conc.
V014-1861-06	Int only	250/200 ppm
1861-129	~~Ext~~ A	100
1922-138	~~Ext~~ B	100
1861-12	Ext C	100
1861-05	Ext Advi	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							ON	9:42 Am	
	11183	1C474-0.2	8260C Tumbral	50	—	2	5						ON	A,B,C, Adv, Surr 1µl/500ml	
	11184	1C474-0.5			—	3	5						ON	A,B,C, Advi, Surr 1µl/200ml	
	11185	1C474-1			—	4	5						ON	A,B,C, Surr 1µl/100ml Advi 200µl/100ml	
	11186	1C474-2			—	5	5						ON	A,B,C, Surr 2µl/100ml Advi 100µl/100ml	
	11187	1C474-5			—	6	5						ON	A,B,C, Advi, Surr 5µl/100ml	
	11188	1C474-10			—	7	5						ON	A,B,C, Advi, Surr 10µl/50ml	
	11189	1C474-20			—	8	5						ON	A,B,C, Advi 20µl/100ml Surr 50ml/100ml	
	11190	1C474-50			—	9	5						ON	A,B,C, Advi, Surr 25µl/50ml	
	11191	1C474-100			—	10	5						ON	A,B,C, Surr 50µl/50ml	
	11192	1C474-200			—	11	5						ON	A,B,C, Surr 100µl/50ml	
	11193	IB			—	12	5						clean up		
	11194	IB			—	13	5						↓		
	11195	1C474-50			—	14	5						ON	Ext (A,B,C, Adv, 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: V3V479

Print Analyst Name: Thien

Date: 5/30/14

Analyst Signature:

Columns: DB-624 (60m x 0.25mm x 1.4μm)

Method 8260C

Initial Cal. Method M3V474

Standard Data

Lot #	Description	Conc.
1014-1861-27	A	100 ppm
1822-127	B	↓
1861-39	C	↓
↓ 23	1/5	20/1000
↓ 1822-138	Bulk	1000 ↓

Standard Data

Lot #	Description	Conc.
1014-1861-20	Expt A	100 ppm
↓ 19	B	↓
25	C	↓
↓ 05	↓ Bulk	1000 ↓

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 6/3/2014

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
	V11298	BFB				1							ok	8.26 AM	
	11299	cc474-20				2	5						NG	A,B,C, mb wrong board target ↓	
	11300	cc474-20				3	5						ok	↓	
	11301	IB				4	5				✓		clo		
	11302	MB				5	5			✓	✓		ok		
	5/30/14 11303	BS				6					✓		ok	Ext Cl, A, B, C, mb wrong board	
R	11304 11304	JB67667-1	IB 68070 TCL11+	S	1	7	5.0			✓	✓		ok		
R	11306 11305	JB67898-1	68245 TCL20	S	5	8	5.5				↓		RR	→ Med.	
	5/30/14 11306	IB				9	5				✓		clo		
	11308	JB67667-1MS	68070 TCL11+	S	1	10	4.5				✓		ok	A, B, C, mb 2.5 wrong board	
	11309	JB67667-1MSD	↓	↓	1	11	4.5				✓		ok	↓	
	11310	IB				12	5				✓		clo		
	11311	JB67976-8	68313 TCL20	S	4	13	7.0				✓		ok		
	11312	JB67976-5	↓	↓	4	14	6.2				✓		ok		
	11313	JB67976-4			4	15	6.5				✓		ok		
	11314	JB67976-3			4	16	6.6				✓		ok		
	11315	JB67976-10	↓	↓	4	17	6.6				✓		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: V3V 479

Print Analyst Name: JHOW

Analyst Signature:

Columns: ZB-624 (60mx0.25mmx1.4µm)

Method 8260C

Initial Cal. Method M 3V479

Date: 5/30/14

Standard Data		
Lot #	**Description**	**Conc.**

Standard Data		
Lot #	**Description**	**Conc.**

See page 1 of 2

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
	3V11316	JB67976-1	8260 TCL20	W	4	18	6.6				✓		ok		
	11317	JB67976-2			3	19	6.6				✓		ok		
	11318	JB67976-9			4	20	5.5				✓		ok		
	11319	JB67976-11			4	21	6.8				✓		ok		
	11320	JB67976-12			4	22	6.0				✓		ok	7:40pm	
	11321	DB				23					✓		cleanup		
	11322	DB				24					✓		↓		

TDM 5/30/14

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate. Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result. All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

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: JB67976
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
OP75292-MB1	2P37314.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
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
OP75292-MB1	2P37314.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
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
OP75292-MB1	2P37314.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	75%	13-110%
4165-62-2	Phenol-d5	73%	15-110%
118-79-6	2,4,6-Tribromophenol	104%	20-123%
4165-60-0	Nitrobenzene-d5	102%	10-110%
321-60-8	2-Fluorobiphenyl	91%	17-110%
1718-51-0	Terphenyl-d14	109%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.13	170	ug/kg	J
	system artifact/aldol-condensation	2.29	5000	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB67976
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
OP75345-MB1	2P37282.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

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: JB67976
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
OP75345-MB1	2P37282.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

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: JB67976
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
OP75345-MB1	2P37282.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	80%	13-110%
4165-62-2	Phenol-d5	79%	15-110%
118-79-6	2,4,6-Tribromophenol	99%	20-123%
4165-60-0	Nitrobenzene-d5	92%	10-110%
321-60-8	2-Fluorobiphenyl	86%	17-110%
1718-51-0	Terphenyl-d14	98%	30-124%

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

Method Blank Summary

Job Number: JB67976
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
OP75363-MB1	Z92220.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

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: JB67976
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
OP75363-MB1	Z92220.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

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: JB67976
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
OP75363-MB1	Z92220.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	43%	10-110%
4165-62-2	Phenol-d5	28%	10-110%
118-79-6	2,4,6-Tribromophenol	99%	29-139%
4165-60-0	Nitrobenzene-d5	83%	28-131%
321-60-8	2-Fluorobiphenyl	74%	30-121%
1718-51-0	Terphenyl-d14	90%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.79	4.3	ug/l	J
	Internal standard added for SIM test	5.86	4.5	ug/l	J
	Internal standard added for SIM test	7.64	4.3	ug/l	J
	Internal standard added for SIM test	10.39	4.2	ug/l	J
	Internal standard added for SIM test	14.46	4.3	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike Summary

Job Number: JB67976
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
OP75292-BS1	2P37315.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1070	75	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1230	86	44-125
120-83-2	2,4-Dichlorophenol	1430	1230	86	41-120
105-67-9	2,4-Dimethylphenol	1430	1270	89	43-137
51-28-5	2,4-Dinitrophenol	2860	2360	83	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1160	81	37-136
95-48-7	2-Methylphenol	1430	1100	77	40-110
	3&4-Methylphenol	1430	1100	77	39-111
88-75-5	2-Nitrophenol	1430	1270	89	36-117
100-02-7	4-Nitrophenol	1430	1130	79	26-143
87-86-5	Pentachlorophenol	1430	1110	78	21-123
108-95-2	Phenol	1430	1210	85	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1370	96	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1280	90	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1210	85	48-119
83-32-9	Acenaphthene	1430	1300	91	46-110
208-96-8	Acenaphthylene	1430	1050	74	43-103
98-86-2	Acetophenone	1430	1160	81	35-120
120-12-7	Anthracene	1430	1340	94	56-118
1912-24-9	Atrazine	1430	1520	106	57-151
56-55-3	Benzo(a)anthracene	1430	1250	88	56-117
50-32-8	Benzo(a)pyrene	1430	1430	100	56-124
205-99-2	Benzo(b)fluoranthene	1430	1540	108	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1210	85	52-126
207-08-9	Benzo(k)fluoranthene	1430	1500	105	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1360	95	51-121
85-68-7	Butyl benzyl phthalate	1430	1410	99	52-133
92-52-4	1,1'-Biphenyl	1430	1200	84	42-122
100-52-7	Benzaldehyde	1430	1210	85	30-119
91-58-7	2-Chloronaphthalene	1430	1200	84	42-110
106-47-8	4-Chloroaniline	1430	1110	78	32-102
86-74-8	Carbazole	1430	1100	77	53-119
105-60-2	Caprolactam	1430	1090	76	35-144
218-01-9	Chrysene	1430	1270	89	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1290	90	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1180	83	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75292-BS1	2P37315.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1160	81	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1370	96	48-116
121-14-2	2,4-Dinitrotoluene	1430	1370	96	51-126
606-20-2	2,6-Dinitrotoluene	1430	1350	95	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	2580	90	49-115
123-91-1	1,4-Dioxane	1430	617	43	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1340	94	53-126
132-64-9	Dibenzofuran	1430	1310	92	45-114
84-74-2	Di-n-butyl phthalate	1430	1370	96	56-125
117-84-0	Di-n-octyl phthalate	1430	1570	110	49-145
84-66-2	Diethyl phthalate	1430	1250	88	52-118
131-11-3	Dimethyl phthalate	1430	1260	88	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1370	96	52-138
206-44-0	Fluoranthene	1430	1290	90	55-119
86-73-7	Fluorene	1430	1330	93	51-114
118-74-1	Hexachlorobenzene	1430	1340	94	47-122
87-68-3	Hexachlorobutadiene	1430	1300	91	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2420	85	22-126
67-72-1	Hexachloroethane	1430	1200	84	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1270	89	53-128
78-59-1	Isophorone	1430	1200	84	37-117
91-57-6	2-Methylnaphthalene	1430	1310	92	34-114
88-74-4	2-Nitroaniline	1430	1460	102	46-135
99-09-2	3-Nitroaniline	1430	1150	81	44-114
100-01-6	4-Nitroaniline	1430	1230	86	44-128
91-20-3	Naphthalene	1430	1210	85	37-104
98-95-3	Nitrobenzene	1430	1250	88	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1280	90	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1300	91	51-114
85-01-8	Phenanthrene	1430	1170	82	55-113
129-00-0	Pyrene	1430	1220	85	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1190	83	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75292-BS1	2P37315.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	71%	13-110%
4165-62-2	Phenol-d5	76%	15-110%
118-79-6	2,4,6-Tribromophenol	105%	20-123%
4165-60-0	Nitrobenzene-d5	85%	10-110%
321-60-8	2-Fluorobiphenyl	82%	17-110%
1718-51-0	Terphenyl-d14	88%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75345-BS1	2P37283.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1140	80	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1270	89	44-125
120-83-2	2,4-Dichlorophenol	1430	1210	85	41-120
105-67-9	2,4-Dimethylphenol	1430	1470	103	43-137
51-28-5	2,4-Dinitrophenol	2860	2590	91	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1260	88	37-136
95-48-7	2-Methylphenol	1430	1180	83	40-110
	3&4-Methylphenol	1430	1140	80	39-111
88-75-5	2-Nitrophenol	1430	1270	89	36-117
100-02-7	4-Nitrophenol	1430	1460	102	26-143
87-86-5	Pentachlorophenol	1430	1140	80	21-123
108-95-2	Phenol	1430	1170	82	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1360	95	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1240	87	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1250	88	48-119
83-32-9	Acenaphthene	1430	1280	90	46-110
208-96-8	Acenaphthylene	1430	1030	72	43-103
98-86-2	Acetophenone	1430	1260	88	35-120
120-12-7	Anthracene	1430	1250	88	56-118
1912-24-9	Atrazine	1430	1600	112	57-151
56-55-3	Benzo(a)anthracene	1430	1230	86	56-117
50-32-8	Benzo(a)pyrene	1430	1280	90	56-124
205-99-2	Benzo(b)fluoranthene	1430	1370	96	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1150	81	52-126
207-08-9	Benzo(k)fluoranthene	1430	1230	86	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1290	90	51-121
85-68-7	Butyl benzyl phthalate	1430	1440	101	52-133
92-52-4	1,1'-Biphenyl	1430	1220	85	42-122
100-52-7	Benzaldehyde	1430	1460	102	30-119
91-58-7	2-Chloronaphthalene	1430	1190	83	42-110
106-47-8	4-Chloroaniline	1430	742	52	32-102
86-74-8	Carbazole	1430	1110	78	53-119
105-60-2	Caprolactam	1430	1210	85	35-144
218-01-9	Chrysene	1430	1250	88	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1300	91	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1220	85	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75345-BS1	2P37283.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1230	86	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1320	92	48-116
121-14-2	2,4-Dinitrotoluene	1430	1340	94	51-126
606-20-2	2,6-Dinitrotoluene	1430	1320	92	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	1880	66	49-115
123-91-1	1,4-Dioxane	1430	896	63	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1210	85	53-126
132-64-9	Dibenzofuran	1430	1300	91	45-114
84-74-2	Di-n-butyl phthalate	1430	1360	95	56-125
117-84-0	Di-n-octyl phthalate	1430	1380	97	49-145
84-66-2	Diethyl phthalate	1430	1290	90	52-118
131-11-3	Dimethyl phthalate	1430	1250	88	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1410	99	52-138
206-44-0	Fluoranthene	1430	1260	88	55-119
86-73-7	Fluorene	1430	1290	90	51-114
118-74-1	Hexachlorobenzene	1430	1240	87	47-122
87-68-3	Hexachlorobutadiene	1430	1290	90	28-117
77-47-4	Hexachlorocyclopentadiene	2860	2650	93	22-126
67-72-1	Hexachloroethane	1430	1240	87	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1130	79	53-128
78-59-1	Isophorone	1430	1240	87	37-117
91-57-6	2-Methylnaphthalene	1430	1280	90	34-114
88-74-4	2-Nitroaniline	1430	1540	108	46-135
99-09-2	3-Nitroaniline	1430	842	59	44-114
100-01-6	4-Nitroaniline	1430	1220	85	44-128
91-20-3	Naphthalene	1430	1200	84	37-104
98-95-3	Nitrobenzene	1430	1280	90	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1420	99	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1250	88	51-114
85-01-8	Phenanthrene	1430	1200	84	55-113
129-00-0	Pyrene	1430	1200	84	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	1160	81	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75345-BS1	2P37283.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	82%	13-110%
4165-62-2	Phenol-d5	82%	15-110%
118-79-6	2,4,6-Tribromophenol	102%	20-123%
4165-60-0	Nitrobenzene-d5	90%	10-110%
321-60-8	2-Fluorobiphenyl	83%	17-110%
1718-51-0	Terphenyl-d14	90%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75363-BS1	Z92221.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	37.6	75	42-110
59-50-7	4-Chloro-3-methyl phenol	50	49.5	99	49-120
120-83-2	2,4-Dichlorophenol	50	47.4	95	47-114
105-67-9	2,4-Dimethylphenol	50	51.5	103	48-129
51-28-5	2,4-Dinitrophenol	100	94.5	95	26-153
534-52-1	4,6-Dinitro-o-cresol	50	55.5	111	44-132
95-48-7	2-Methylphenol	50	36.9	74	39-110
	3&4-Methylphenol	50	34.2	68	36-110
88-75-5	2-Nitrophenol	50	49.9	100	45-110
100-02-7	4-Nitrophenol	50	34.5	69	10-110
87-86-5	Pentachlorophenol	50	58.0	116	32-122
108-95-2	Phenol	50	21.3	43	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	51.7	103	47-119
95-95-4	2,4,5-Trichlorophenol	50	53.9	108	52-119
88-06-2	2,4,6-Trichlorophenol	50	53.1	106	51-118
83-32-9	Acenaphthene	50	47.7	95	46-108
208-96-8	Acenaphthylene	50	41.0	82	44-101
98-86-2	Acetophenone	50	43.1	86	39-125
120-12-7	Anthracene	50	53.0	106	60-117
1912-24-9	Atrazine	50	73.1	146	58-153
100-52-7	Benzaldehyde	50	57.5	115	32-119
56-55-3	Benzo(a)anthracene	50	56.2	112	59-116
50-32-8	Benzo(a)pyrene	50	58.8	118	61-122
205-99-2	Benzo(b)fluoranthene	50	59.8	120	56-129
191-24-2	Benzo(g,h,i)perylene	50	57.7	115	54-126
207-08-9	Benzo(k)fluoranthene	50	54.4	109	53-124
101-55-3	4-Bromophenyl phenyl ether	50	54.2	108	55-120
85-68-7	Butyl benzyl phthalate	50	64.7	129	42-138
92-52-4	1,1'-Biphenyl	50	44.7	89	41-123
91-58-7	2-Chloronaphthalene	50	42.6	85	38-107
106-47-8	4-Chloroaniline	50	43.5	87	38-110
86-74-8	Carbazole	50	49.5	99	55-121
105-60-2	Caprolactam	50	15.2	30	10-113
218-01-9	Chrysene	50	56.5	113	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	48.0	96	48-117
111-44-4	bis(2-Chloroethyl)ether	50	43.2	86	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75363-BS1	Z92221.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	41.2	82	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	51.1	102	48-117
121-14-2	2,4-Dinitrotoluene	50	58.0	116	53-129
606-20-2	2,6-Dinitrotoluene	50	57.7	115	57-126
91-94-1	3,3'-Dichlorobenzidine	100	116	116* [a]	41-109
123-91-1	1,4-Dioxane	50	19.8	40	10-110
53-70-3	Dibenzo(a,h)anthracene	50	58.9	118	57-126
132-64-9	Dibenzofuran	50	50.0	100	46-112
84-74-2	Di-n-butyl phthalate	50	61.8	124	54-127
117-84-0	Di-n-octyl phthalate	50	58.9	118	55-142
84-66-2	Diethyl phthalate	50	56.4	113	35-130
131-11-3	Dimethyl phthalate	50	52.1	104	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	65.9	132	58-135
206-44-0	Fluoranthene	50	54.8	110	59-120
86-73-7	Fluorene	50	50.9	102	53-114
118-74-1	Hexachlorobenzene	50	53.1	106	52-120
87-68-3	Hexachlorobutadiene	50	32.9	66	10-111
77-47-4	Hexachlorocyclopentadiene	100	75.4	75	10-116
67-72-1	Hexachloroethane	50	30.9	62	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	60.4	121	56-127
78-59-1	Isophorone	50	46.5	93	45-119
91-57-6	2-Methylnaphthalene	50	45.2	90	30-112
88-74-4	2-Nitroaniline	50	61.7	123	46-136
99-09-2	3-Nitroaniline	50	51.3	103	46-113
100-01-6	4-Nitroaniline	50	57.8	116	47-129
91-20-3	Naphthalene	50	38.7	77	35-101
98-95-3	Nitrobenzene	50	44.2	88	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	47.6	95	40-118
86-30-6	N-Nitrosodiphenylamine	50	56.6	113* [a]	54-112
85-01-8	Phenanthrene	50	50.3	101	58-113
129-00-0	Pyrene	50	54.3	109	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	43.2	86	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB67976
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
OP75363-BS1	Z92221.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	49%	10-110%
4165-62-2	Phenol-d5	36%	10-110%
118-79-6	2,4,6-Tribromophenol	121%	29-139%
4165-60-0	Nitrobenzene-d5	93%	28-131%
321-60-8	2-Fluorobiphenyl	89%	30-121%
1718-51-0	Terphenyl-d14	109%	16-147%

(a) Outside of in-house control limits, but within reasonable method recovery limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75292-MS	2P37336.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
OP75292-MSD	2P37337.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
JB67976-4	2P37320.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	JB67976-4 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		1790	1460	82	1810	1460	81	0	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1790	1640	92	1810	1610	89	2	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1790	1570	88	1810	1560	86	1	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1790	1770	99	1810	1730	96	2	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3580	2410	67	3610	2430	67	1	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1790	1360	76	1810	1390	77	2	10-111/55
95-48-7	2-Methylphenol	ND		1790	1450	81	1810	1460	81	1	19-105/42
	3&4-Methylphenol	ND		1790	1470	82	1810	1450	80	1	17-108/43
88-75-5	2-Nitrophenol	ND		1790	1670	93	1810	1680	93	1	11-103/44
100-02-7	4-Nitrophenol	ND		1790	1690	94	1810	1650	91	2	10-141/48
87-86-5	Pentachlorophenol	ND		1790	1620	91	1810	1550	86	4	10-114/47
108-95-2	Phenol	ND		1790	1580	88	1810	1560	86	1	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1790	1820	102	1810	1780	99	2	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1790	1740	97	1810	1710	95	2	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1790	1650	92	1810	1650	91	0	21-117/40
83-32-9	Acenaphthene	ND		1790	1720	96	1810	1680	93	2	25-106/38
208-96-8	Acenaphthylene	ND		1790	1390	78	1810	1360	75	2	21-110/39
98-86-2	Acetophenone	ND		1790	1630	91	1810	1570	87	4	13-117/43
120-12-7	Anthracene	ND		1790	1830	102	1810	1780	99	3	27-123/40
1912-24-9	Atrazine	ND		1790	1930	108	1810	1860	103	4	31-147/39
56-55-3	Benzo(a)anthracene	ND		1790	1680	94	1810	1610	89	4	22-127/44
50-32-8	Benzo(a)pyrene	ND		1790	1920	107	1810	1840	102	4	22-132/42
205-99-2	Benzo(b)fluoranthene	ND		1790	2010	112	1810	1960	109	3	17-141/45
191-24-2	Benzo(g,h,i)perylene	ND		1790	1830	102	1810	1760	97	4	23-129/42
207-08-9	Benzo(k)fluoranthene	ND		1790	1990	111	1810	1860	103	7	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1790	1920	107	1810	1830	101	5	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1790	1920	107	1810	1920	106	0	26-134/40
92-52-4	1,1'-Biphenyl	ND		1790	1590	89	1810	1590	88	0	22-114/41
100-52-7	Benzaldehyde	ND		1790	1840	103	1810	1790	99	3	10-115/42
91-58-7	2-Chloronaphthalene	ND		1790	1610	90	1810	1590	88	1	24-101/40
106-47-8	4-Chloroaniline	ND		1790	1080	60	1810	1130	63	5	15-110/44
86-74-8	Carbazole	ND		1790	1500	84	1810	1460	81	3	27-123/38
105-60-2	Caprolactam	ND		1790	1520	85	1810	1450	80	5	10-141/42
218-01-9	Chrysene	ND		1790	1590	89	1810	1560	86	2	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1790	1730	97	1810	1690	94	2	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1790	1710	96	1810	1650	91	4	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75292-MS	2P37336.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
OP75292-MSD	2P37337.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
JB67976-4	2P37320.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Compound	JB67976-4 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		1790	1580	88	1810	1540	85	3	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1790	1810	101	1810	1750	97	3	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1790	1770	99	1810	1720	95	3	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1790	1760	98	1810	1720	95	2	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3580	3460	97	3610	3470	96	0	10-121/45
123-91-1	1,4-Dioxane	ND		1790	874	49	1810	837	46	4	10-110/48
53-70-3	Dibenzo(a,h)anthracene	ND		1790	1950	109	1810	1910	106	2	26-129/42
132-64-9	Dibenzofuran	ND		1790	1740	97	1810	1690	94	3	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1790	1930	108	1810	1880	104	3	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1790	2040	114	1810	1990	110	2	25-140/43
84-66-2	Diethyl phthalate	ND		1790	1710	96	1810	1630	90	5	32-115/37
131-11-3	Dimethyl phthalate	ND		1790	1700	95	1810	1660	92	2	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1790	1900	106	1810	1850	102	3	26-140/43
206-44-0	Fluoranthene	ND		1790	1660	93	1810	1660	92	0	16-134/44
86-73-7	Fluorene	ND		1790	1760	98	1810	1720	95	2	24-116/39
118-74-1	Hexachlorobenzene	ND		1790	1890	106	1810	1820	101	4	24-118/41
87-68-3	Hexachlorobutadiene	ND		1790	1760	98	1810	1710	95	3	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3580	630	18	3610	761	21	19	10-110/52
67-72-1	Hexachloroethane	ND		1790	1260	70	1810	1270	70	1	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1790	1850	103	1810	1790	99	3	23-132/43
78-59-1	Isophorone	ND		1790	1630	91	1810	1580	87	3	22-105/41
91-57-6	2-Methylnaphthalene	ND		1790	1720	96	1810	1680	93	2	16-108/40
88-74-4	2-Nitroaniline	ND		1790	2010	112	1810	1940	107	4	23-130/39
99-09-2	3-Nitroaniline	ND		1790	1320	74	1810	1310	73	1	19-116/40
100-01-6	4-Nitroaniline	ND		1790	1460	82	1810	1440	80	1	18-124/42
91-20-3	Naphthalene	ND		1790	1630	91	1810	1960	109* [a]	18	13-103/41
98-95-3	Nitrobenzene	ND		1790	1710	96	1810	1660	92	3	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1790	1790	100	1810	1720	95	4	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1790	1860	104	1810	1820	101	2	26-119/38
85-01-8	Phenanthrene	ND		1790	1670	93	1810	1620	90	3	19-126/42
129-00-0	Pyrene	ND		1790	1620	91	1810	1650	91	2	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1790	1570	88	1810	1570	87	0	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75292-MS	2P37336.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
OP75292-MSD	2P37337.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552
JB67976-4	2P37320.D	1	06/06/14	ALS	06/03/14	OP75292	E2P1552

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-1, JB67976-2, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

CAS No.	Surrogate Recoveries	MS	MSD	JB67976-4	Limits
367-12-4	2-Fluorophenol	78%	76%	82%	13-110%
4165-62-2	Phenol-d5	81%	79%	78%	15-110%
118-79-6	2,4,6-Tribromophenol	116%	111%	123%	20-123%
4165-60-0	Nitrobenzene-d5	93%	90%	116%* [a]	10-110%
321-60-8	2-Fluorobiphenyl	88%	87%	105%	17-110%
1718-51-0	Terphenyl-d14	91%	92%	135%* [b]	30-124%

(a) Outside of in-house control limits, but within reasonable method recovery limits.
(b) Outside of in-house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75345-MS	2P37290.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
OP75345-MSD	2P37291.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
JB67991-17	2P37292.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Compound	JB67991-17 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		2130	1420	67	2210	1450	66	2	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		2130	1760	82	2210	1660	75	6	25-118/41
120-83-2	2,4-Dichlorophenol	ND		2130	1580	74	2210	1600	72	1	20-111/42
105-67-9	2,4-Dimethylphenol	ND		2130	1940	91	2210	1990	90	3	21-124/40
51-28-5	2,4-Dinitrophenol	ND		4270	3420	80	4420	3100	70	10	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		2130	1770	83	2210	1650	75	7	10-111/55
95-48-7	2-Methylphenol	ND		2130	1500	70	2210	1560	71	4	19-105/42
	3&4-Methylphenol	ND		2130	1470	69	2210	1510	68	3	17-108/43
88-75-5	2-Nitrophenol	ND		2130	1550	73	2210	1610	73	4	11-103/44
100-02-7	4-Nitrophenol	ND		2130	2270	106	2210	2030	92	11	10-141/48
87-86-5	Pentachlorophenol	ND		2130	1780	83	2210	1700	77	5	10-114/47
108-95-2	Phenol	ND		2130	1570	74	2210	1550	70	1	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		2130	2020	95	2210	1860	84	8	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		2130	1770	83	2210	1690	76	5	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		2130	1780	83	2210	1720	78	3	21-117/40
83-32-9	Acenaphthene	ND		2130	1650	77	2210	1690	76	2	25-106/38
208-96-8	Acenaphthylene	ND		2130	1330	62	2210	1360	62	2	21-110/39
98-86-2	Acetophenone	ND		2130	1530	72	2210	1540	70	1	13-117/43
120-12-7	Anthracene	ND		2130	1780	83	2210	1710	77	4	27-123/40
1912-24-9	Atrazine	ND		2130	2170	102	2210	2000	91	8	31-147/39
56-55-3	Benzo(a)anthracene	20.2	J	2130	1790	83	2210	1700	76	5	22-127/44
50-32-8	Benzo(a)pyrene	ND		2130	1840	86	2210	1740	79	6	22-132/42
205-99-2	Benzo(b)fluoranthene	ND		2130	1910	90	2210	1850	84	3	17-141/45
191-24-2	Benzo(g,h,i)perylene	ND		2130	1750	82	2210	1640	74	6	23-129/42
207-08-9	Benzo(k)fluoranthene	ND		2130	1780	83	2210	1650	75	8	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		2130	1810	85	2210	1780	81	2	30-116/38
85-68-7	Butyl benzyl phthalate	ND		2130	2090	98	2210	2000	91	4	26-134/40
92-52-4	1,1'-Biphenyl	ND		2130	1510	71	2210	1560	71	3	22-114/41
100-52-7	Benzaldehyde	81.1	J	2130	1700	76	2210	1720	74	1	10-115/42
91-58-7	2-Chloronaphthalene	ND		2130	1500	70	2210	1570	71	5	24-101/40
106-47-8	4-Chloroaniline	ND		2130	1380	65	2210	1350	61	2	15-110/44
86-74-8	Carbazole	ND		2130	1550	73	2210	1460	66	6	27-123/38
105-60-2	Caprolactam	ND		2130	1650	77	2210	1520	69	8	10-141/42
218-01-9	Chrysene	25.5	J	2130	1780	82	2210	1680	75	6	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		2130	1590	75	2210	1660	75	4	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		2130	1520	71	2210	1540	70	1	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75345-MS	2P37290.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
OP75345-MSD	2P37291.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
JB67991-17	2P37292.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Compound	JB67991-17 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		2130	1480	69	2210	1490	67	1	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		2130	1750	82	2210	1750	79	0	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		2130	1890	89	2210	1780	81	6	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		2130	1800	84	2210	1750	79	3	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		4270	3440	81	4420	3230	73	6	10-121/45
123-91-1	1,4-Dioxane	ND		2130	680	32	2210	774	35	13	10-110/48
53-70-3	Dibenzo(a,h)anthracene	ND		2130	1780	83	2210	1670	76	6	26-129/42
132-64-9	Dibenzofuran	ND		2130	1690	79	2210	1690	76	0	21-114/39
84-74-2	Di-n-butyl phthalate	ND		2130	1970	92	2210	1860	84	6	29-127/39
117-84-0	Di-n-octyl phthalate	ND		2130	1840	86	2210	1740	79	6	25-140/43
84-66-2	Diethyl phthalate	ND		2130	1810	85	2210	1720	78	5	32-115/37
131-11-3	Dimethyl phthalate	ND		2130	1680	79	2210	1650	75	2	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2130	2110	99	2210	1990	90	6	26-140/43
206-44-0	Fluoranthene	36.5	J	2130	1820	84	2210	1710	76	6	16-134/44
86-73-7	Fluorene	ND		2130	1720	81	2210	1730	78	1	24-116/39
118-74-1	Hexachlorobenzene	ND		2130	1780	83	2210	1750	79	2	24-118/41
87-68-3	Hexachlorobutadiene	ND		2130	1510	71	2210	1560	71	3	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		4270	2280	53	4420	2410	55	6	10-110/52
67-72-1	Hexachloroethane	ND		2130	1400	66	2210	1410	64	1	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2130	1720	81	2210	1620	73	6	23-132/43
78-59-1	Isophorone	ND		2130	1520	71	2210	1590	72	5	22-105/41
91-57-6	2-Methylnaphthalene	ND		2130	1580	74	2210	1630	74	3	16-108/40
88-74-4	2-Nitroaniline	ND		2130	2080	97	2210	2000	91	4	23-130/39
99-09-2	3-Nitroaniline	ND		2130	1530	72	2210	1420	64	7	19-116/40
100-01-6	4-Nitroaniline	ND		2130	1570	74	2210	1430	65	9	18-124/42
91-20-3	Naphthalene	46.0		2130	1460	66	2210	1510	66	3	13-103/41
98-95-3	Nitrobenzene	ND		2130	1550	73	2210	1590	72	3	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		2130	1750	82	2210	1800	81	3	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		2130	1810	85	2210	1750	79	3	26-119/38
85-01-8	Phenanthrene	23.7	J	2130	1730	80	2210	1660	74	4	19-126/42
129-00-0	Pyrene	36.2	J	2130	1740	80	2210	1680	74	4	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		2130	1450	68	2210	1550	70	7	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75345-MS	2P37290.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
OP75345-MSD	2P37291.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551
JB67991-17	2P37292.D	1	06/06/14	AD	06/05/14	OP75345	E2P1551

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-3

CAS No.	Surrogate Recoveries	MS	MSD	JB67991-17	Limits
367-12-4	2-Fluorophenol	62%	60%	51%	13-110%
4165-62-2	Phenol-d5	66%	65%	54%	15-110%
118-79-6	2,4,6-Tribromophenol	96%	87%	79%	20-123%
4165-60-0	Nitrobenzene-d5	70%	69%	61%	10-110%
321-60-8	2-Fluorobiphenyl	67%	66%	63%	17-110%
1718-51-0	Terphenyl-d14	78%	72%	71%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75363-MS	Z92229.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586
OP75363-MSD	Z92230.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586
JB68264-10	Z92365.D	1	06/10/14	AR	06/05/14	OP75363	EZ4591

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Compound	JB68264-10 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		112	63.0	56	112	73.7	66	16	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		112	78.1	70	112	90.2	80	14	40-130/28
120-83-2	2,4-Dichlorophenol	ND		112	70.9	63	112	82.1	73	15	27-128/34
105-67-9	2,4-Dimethylphenol	ND		112	81.6	73	112	93.0	83	13	32-145/31
51-28-5	2,4-Dinitrophenol	ND		225	174	77	225	58.6	26	99* [a]	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		112	63.6	57	112	62.8	56	1	10-147/42
95-48-7	2-Methylphenol	ND		112	68.9	61	112	77.7	69	12	29-111/29
	3&4-Methylphenol	ND		112	69.0	61	112	76.2	68	10	26-114/29
88-75-5	2-Nitrophenol	ND		112	72.6	65	112	85.0	76	16	27-121/35
100-02-7	4-Nitrophenol	ND		112	101	90	112	110	98	9	10-135/37
87-86-5	Pentachlorophenol	ND		112	83.0	74	112	102	91	21	21-133/35
108-95-2	Phenol	ND		112	63.7	57	112	63.2	56	1	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		112	76.4	68	112	93.0	83	20	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		112	78.0	69	112	92.5	82	17	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		112	78.9	70	112	91.2	81	14	31-130/34
83-32-9	Acenaphthene	ND		112	71.6	64	112	82.6	74	14	41-112/29
208-96-8	Acenaphthylene	ND		112	61.1	54	112	70.3	63	14	42-101/29
98-86-2	Acetophenone	ND		112	125	111	112	ND	0* [b]	200* [a]	24-142/31
120-12-7	Anthracene	ND		112	75.0	67	112	91.3	81	20	52-122/26
1912-24-9	Atrazine	ND		112	223	198* [c]	112	ND	0* [b]	200* [a]	42-160/26
100-52-7	Benzaldehyde	ND		112	178	158* [c]	112	ND	0* [b]	200* [a]	17-130/33
56-55-3	Benzo(a)anthracene	ND		112	77.0	69	112	92.4	82	18	50-122/26
50-32-8	Benzo(a)pyrene	ND		112	81.1	72	112	97.5	87	18	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		112	86.8	77	112	96.5	86	11	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		112	80.0	71	112	94.1	84	16	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		112	71.6	64	112	88.5	79	21	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		112	77.3	69	112	91.6	82	17	51-122/26
85-68-7	Butyl benzyl phthalate	ND		112	88.0	78	112	110	98	22	37-145/29
92-52-4	1,1'-Biphenyl	ND		112	133	118	112	ND	0* [b]	200* [a]	40-122/30
91-58-7	2-Chloronaphthalene	ND		112	63.8	57	112	73.9	66	15	36-108/30
106-47-8	4-Chloroaniline	ND		112	19.3	17* [d]	112	20.0	18* [d]	4	24-110/32
86-74-8	Carbazole	ND		112	67.8	60	112	86.0	77	24	47-128/25
105-60-2	Caprolactam	ND		112	100	89	112	ND	0* [b]	200* [a]	10-110/44
218-01-9	Chrysene	ND		112	76.0	68	112	92.8	83	20	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		112	69.3	62	112	83.5	74	19	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		112	64.4	57	112	75.0	67	15	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75363-MS	Z92229.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586
OP75363-MSD	Z92230.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586
JB68264-10	Z92365.D	1	06/10/14	AR	06/05/14	OP75363	EZ4591

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Compound	JB68264-10 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		112	59.9	53	112	72.3	64	19	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		112	73.9	66	112	88.6	79	18	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		112	81.9	73	112	99.1	88	19	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		112	81.4	72	112	99.9	89	20	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		225	131	58	225	170	76	26	14-119/33
123-91-1	1,4-Dioxane	ND		112	105	93	112	ND	0* [b]	200* [a]	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		112	80.9	72	112	96.3	86	17	49-130/28
132-64-9	Dibenzofuran	ND		112	74.3	66	112	87.5	78	16	44-114/28
84-74-2	Di-n-butyl phthalate	ND		112	84.5	75	112	105	93	22	47-131/27
117-84-0	Di-n-octyl phthalate	ND		112	84.0	75	112	108	96	25	47-148/29
84-66-2	Diethyl phthalate	ND		112	79.3	71	112	96.2	86	19	32-131/29
131-11-3	Dimethyl phthalate	ND		112	75.0	67	112	90.7	81	19	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	J	112	91.5	80	112	113	99	21	48-144/27
206-44-0	Fluoranthene	ND		112	74.6	66	112	95.3	85	24	51-123/27
86-73-7	Fluorene	ND		112	74.3	66	112	88.3	79	17	50-116/26
118-74-1	Hexachlorobenzene	ND		112	73.4	65	112	87.4	78	17	45-123/26
87-68-3	Hexachlorobutadiene	ND		112	49.7	44	112	56.9	51	14	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		225	150	67	225	33.6	15	127* [a]	10-113/37
67-72-1	Hexachloroethane	ND		112	42.4	38	112	48.2	43	13	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		112	81.2	72	112	99.3	88	20	48-131/27
78-59-1	Isophorone	ND		112	67.9	60	112	79.1	70	15	42-119/30
91-57-6	2-Methylnaphthalene	ND		112	65.7	58	112	79.1	70	19	22-120/32
88-74-4	2-Nitroaniline	ND		112	92.2	82	112	108	96	16	43-138/29
99-09-2	3-Nitroaniline	ND		112	85.0	76	112	86.3	77	2	34-116/26
100-01-6	4-Nitroaniline	ND		112	80.9	72	112	102	91	23	36-131/28
91-20-3	Naphthalene	ND		112	55.8	50	112	66.5	59	17	25-108/32
98-95-3	Nitrobenzene	ND		112	65.5	58	112	77.4	69	17	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		112	64.6	57	112	80.7	72	22	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		112	79.1	70	112	94.8	84	18	46-120/26
85-01-8	Phenanthrene	ND		112	70.4	63	112	86.2	77	20	51-117/25
129-00-0	Pyrene	ND		112	75.2	67	112	90.8	81	19	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		112	67.6	60	112	80.3	71	17	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB67976
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
OP75363-MS	Z92229.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586
OP75363-MSD	Z92230.D	1	06/06/14	AR	06/05/14	OP75363	EZ4586
JB68264-10	Z92365.D	1	06/10/14	AR	06/05/14	OP75363	EZ4591

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB67976-6

CAS No.	Surrogate Recoveries	MS	MSD	JB68264-10	Limits
367-12-4	2-Fluorophenol	57%	61%	56%	10-110%
4165-62-2	Phenol-d5	56%	57%	41%	10-110%
118-79-6	2,4,6-Tribromophenol	75%	93%	107%	29-139%
4165-60-0	Nitrobenzene-d5	61%	73%	85%	28-131%
321-60-8	2-Fluorobiphenyl	57%	67%	74%	30-121%
1718-51-0	Terphenyl-d14	67%	79%	93%	16-147%

(a) Analytical precision exceeds in-house control limits.
(b) The standard was not added.
(c) Outside of in house control limits.
(d) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E2P1539-DFTPP
Lab File ID: 2P36999.D
Instrument ID: GCMS2P
Injection Date: 05/28/14
Injection Time: 18:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	67898	31.6		Pass
68	Less than 2.0% of mass 69	1629	0.76	(1.75) [a]	Pass
69	Mass 69 relative abundance	93000	43.3		Pass
70	Less than 2.0% of mass 69	543	0.25	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	118912	55.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	214571	100.0		Pass
199	5.0 - 9.0% of mass 198	14502	6.76		Pass
275	10.0 - 30.0% of mass 198	47330	22.1		Pass
365	1.0 - 100.0% of mass 198	7148	3.33		Pass
441	Present, but less than mass 443	26792	12.5	(85.2) [b]	Pass
442	40.0 - 100.0% of mass 198	164149	76.5		Pass
443	17.0 - 23.0% of mass 442	31458	14.7	(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
E2P1539-ICC1539	2P37001.D	05/28/14	20:20	01:37	Initial cal 50
E2P1539-IC1539	2P37002.D	05/28/14	20:43	02:00	Initial cal 25
E2P1539-IC1539	2P37003.D	05/28/14	21:07	02:24	Initial cal 100
E2P1539-IC1539	2P37004.D	05/28/14	21:30	02:47	Initial cal 80
E2P1539-IC1539	2P37005.D	05/28/14	21:53	03:10	Initial cal 10
E2P1539-IC1539	2P37006.D	05/28/14	22:16	03:33	Initial cal 5
E2P1539-IC1539	2P37007.D	05/28/14	22:40	03:57	Initial cal 2
E2P1539-IC1539	2P37008.D	05/28/14	23:03	04:20	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2P1540-DFTPP	**Injection Date:**	05/29/14
Lab File ID:	2P37009.D	**Injection Time:**	08:58
Instrument ID:	GCMS2P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	83180	34.8		Pass
68	Less than 2.0% of mass 69	1856	0.78	(1.64) [a]	Pass
69	Mass 69 relative abundance	112861	47.2		Pass
70	Less than 2.0% of mass 69	505	0.21	(0.45) [a]	Pass
127	40.0 - 60.0% of mass 198	138307	57.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	238976	100.0		Pass
199	5.0 - 9.0% of mass 198	15362	6.43		Pass
275	10.0 - 30.0% of mass 198	52144	21.8		Pass
365	1.0 - 100.0% of mass 198	7217	3.02		Pass
441	Present, but less than mass 443	26375	11.0	(82.9) [b]	Pass
442	40.0 - 100.0% of mass 198	172507	72.2		Pass
443	17.0 - 23.0% of mass 442	31808	13.3	(18.4) [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
E2P1540-IC1540	2P37010.D	05/29/14	09:15	00:17	Initial cal 100
E2P1540-IC1540	2P37011.D	05/29/14	09:38	00:40	Initial cal 80
E2P1540-ICC1540	2P37012.D	05/29/14	10:02	01:04	Initial cal 50
E2P1540-IC1540	2P37013.D	05/29/14	10:25	01:27	Initial cal 25
E2P1540-IC1540	2P37014.D	05/29/14	10:48	01:50	Initial cal 10
E2P1540-IC1540	2P37015.D	05/29/14	11:11	02:13	Initial cal 5
E2P1540-IC1540	2P37016.D	05/29/14	11:34	02:36	Initial cal 2
E2P1540-IC1540	2P37017.D	05/29/14	11:57	02:59	Initial cal 1
E2P1540-ICV1539	2P37018.D	05/29/14	12:30	03:32	Initial cal verification 50
E2P1540-ICV1539	2P37019.D	05/29/14	12:53	03:55	Initial cal verification 50
E2P1540-ICV1540	2P37019A.D	05/29/14	12:53	03:55	Initial cal verification 50
E2P1540-ICV1540	2P37020A.D	05/29/14	13:24	04:26	Initial cal verification 50
E2P1540-ICV1539	2P37020.D	05/29/14	13:24	04:26	Initial cal verification 50
E2P1540-ICV1539	2P37022.D	05/29/14	14:43	05:45	Initial cal verification 50
E2P1540-ICV1540	2P37023A.D	05/29/14	15:06	06:08	Initial cal verification 50
E2P1540-ICV1539	2P37023.D	05/29/14	15:06	06:08	Initial cal verification 50
E2P1540-ICV1540	2P37024.D	05/29/14	15:29	06:31	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2P1541-DFTPP	**Injection Date:**	05/29/14
Lab File ID:	2P37026.D	**Injection Time:**	17:34
Instrument ID:	GCMS2P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	57837	32.3		Pass
68	Less than 2.0% of mass 69	1001	0.56	(1.24) [a]	Pass
69	Mass 69 relative abundance	80959	45.2		Pass
70	Less than 2.0% of mass 69	361	0.20	(0.45) [a]	Pass
127	40.0 - 60.0% of mass 198	100558	56.1		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	179187	100.0		Pass
199	5.0 - 9.0% of mass 198	12335	6.88		Pass
275	10.0 - 30.0% of mass 198	39896	22.3		Pass
365	1.0 - 100.0% of mass 198	5574	3.11		Pass
441	Present, but less than mass 443	21914	12.2	(83.4) [b]	Pass
442	40.0 - 100.0% of mass 198	138933	77.5		Pass
443	17.0 - 23.0% of mass 442	26281	14.7	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2P1541-ICV1539	2P37028.D	05/29/14	19:03	01:29	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2P1551-DFTPP	**Injection Date:**	06/05/14
Lab File ID:	2P37279.D	**Injection Time:**	23:09
Instrument ID:	GCMS2P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	57218	36.9		Pass
68	Less than 2.0% of mass 69	398	0.26	(0.53) [a]	Pass
69	Mass 69 relative abundance	74925	48.4		Pass
70	Less than 2.0% of mass 69	343	0.22	(0.46) [a]	Pass
127	40.0 - 60.0% of mass 198	87772	56.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	154885	100.0		Pass
199	5.0 - 9.0% of mass 198	10744	6.94		Pass
275	10.0 - 30.0% of mass 198	35621	23.0		Pass
365	1.0 - 100.0% of mass 198	5293	3.42		Pass
441	Present, but less than mass 443	20190	13.0	(83.4) [b]	Pass
442	40.0 - 100.0% of mass 198	126011	81.4		Pass
443	17.0 - 23.0% of mass 442	24199	15.6	(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
E2P1551-CC1539	2P37280.D	06/05/14	23:20	00:11	Continuing cal 25
E2P1551-CC1540	2P37281.D	06/05/14	23:44	00:35	Continuing cal 25
OP75345-MB1	2P37282.D	06/06/14	00:08	00:59	Method Blank
OP75345-BS1	2P37283.D	06/06/14	00:31	01:22	Blank Spike
ZZZZZZ	2P37284.D	06/06/14	00:55	01:46	(unrelated sample)
JB67976-3	2P37285.D	06/06/14	01:18	02:09	293-DUP-3
ZZZZZZ	2P37286.D	06/06/14	01:42	02:33	(unrelated sample)
ZZZZZZ	2P37287.D	06/06/14	02:05	02:56	(unrelated sample)
ZZZZZZ	2P37288.D	06/06/14	02:29	03:20	(unrelated sample)
ZZZZZZ	2P37289.D	06/06/14	02:52	03:43	(unrelated sample)
OP75345-MS	2P37290.D	06/06/14	03:16	04:07	Matrix Spike
OP75345-MSD	2P37291.D	06/06/14	03:39	04:30	Matrix Spike Duplicate
JB67991-17	2P37292.D	06/06/14	04:02	04:53	(used for QC only; not part of job JB67976)
ZZZZZZ	2P37293.D	06/06/14	04:26	05:17	(unrelated sample)
ZZZZZZ	2P37294.D	06/06/14	04:49	05:40	(unrelated sample)
ZZZZZZ	2P37295.D	06/06/14	05:12	06:03	(unrelated sample)
ZZZZZZ	2P37296.D	06/06/14	05:36	06:27	(unrelated sample)
ZZZZZZ	2P37297.D	06/06/14	05:59	06:50	(unrelated sample)
ZZZZZZ	2P37298.D	06/06/14	06:22	07:13	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2P1551-DFTPP	**Injection Date:**	06/05/14
Lab File ID:	2P37279.D	**Injection Time:**	23:09
Instrument ID:	GCMS2P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2P37299R.D	06/06/14	06:46	07:37	(unrelated sample)
ZZZZZZ	2P37299.D	06/06/14	06:46	07:37	(unrelated sample)
ZZZZZZ	2P37300.D	06/06/14	07:09	08:00	(unrelated sample)
ZZZZZZ	2P37300R.D	06/06/14	07:09	08:00	(unrelated sample)
ZZZZZZ	2P37301R.D	06/06/14	07:32	08:23	(unrelated sample)
ZZZZZZ	2P37301.D	06/06/14	07:32	08:23	(unrelated sample)
ZZZZZZ	2P37302R.D	06/06/14	07:56	08:47	(unrelated sample)
ZZZZZZ	2P37302.D	06/06/14	07:56	08:47	(unrelated sample)
ZZZZZZ	2P37304.D	06/06/14	08:43	09:34	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2P1552-DFTPP	**Injection Date:**	06/06/14
Lab File ID:	2P37311.D	**Injection Time:**	11:14
Instrument ID:	GCMS2P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	56726	38.2		Pass
68	Less than 2.0% of mass 69	1361	0.92	(1.77) [a]	Pass
69	Mass 69 relative abundance	76707	51.7		Pass
70	Less than 2.0% of mass 69	692	0.47	(0.90) [a]	Pass
127	40.0 - 60.0% of mass 198	85229	57.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	148440	100.0		Pass
199	5.0 - 9.0% of mass 198	10029	6.76		Pass
275	10.0 - 30.0% of mass 198	33509	22.6		Pass
365	1.0 - 100.0% of mass 198	4632	3.12		Pass
441	Present, but less than mass 443	18814	12.7	(84.1) [b]	Pass
442	40.0 - 100.0% of mass 198	117821	79.4		Pass
443	17.0 - 23.0% of mass 442	22381	15.1	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2P1552-CC1539	2P37312.D	06/06/14	11:23	00:09	Continuing cal 50
E2P1552-CC1540	2P37313.D	06/06/14	11:47	00:33	Continuing cal 50
OP75292-MB1	2P37314.D	06/06/14	12:17	01:03	Method Blank
OP75292-BS1	2P37315.D	06/06/14	12:41	01:27	Blank Spike
ZZZZZZ	2P37316.D	06/06/14	13:04	01:50	(unrelated sample)
OP75259-MB1	2P37317.D	06/06/14	13:28	02:14	Method Blank
ZZZZZZ	2P37338.D	06/06/14	13:52	02:38	(unrelated sample)
ZZZZZZ	2P37340.D	06/06/14	14:39	03:25	(unrelated sample)
OP75292-MS	2P37336.D	06/06/14	15:03	03:49	Matrix Spike
OP75292-MSD	2P37337.D	06/06/14	15:26	04:12	Matrix Spike Duplicate
JB67976-1	2P37318.D	06/06/14	15:50	04:36	291-PE-74
JB67976-2	2P37319.D	06/06/14	16:14	05:00	292-PE-83
JB67976-4	2P37320.D	06/06/14	16:37	05:23	294-PE-87
JB67976-5	2P37321.D	06/06/14	17:01	05:47	295-PE-81
JB67976-8	2P37322.D	06/06/14	17:25	06:11	298-PE-82
JB67976-9	2P37323.D	06/06/14	17:48	06:34	299-PE-80
JB67976-10	2P37324.D	06/06/14	18:12	06:58	300-PE-79
JB67976-11	2P37325.D	06/06/14	18:36	07:22	301-PE-89
JB67976-12	2P37326.D	06/06/14	19:00	07:46	302-PE-78

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E2P1552-DFTPP	**Injection Date:**	06/06/14
Lab File ID:	2P37311.D	**Injection Time:**	11:14
Instrument ID:	GCMS2P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2P37327.D	06/06/14	19:23	08:09	(unrelated sample)
ZZZZZZ	2P37327R.D	06/06/14	19:23	08:09	(unrelated sample)
ZZZZZZ	2P37328.D	06/06/14	19:47	08:33	(unrelated sample)
ZZZZZZ	2P37328R.D	06/06/14	19:47	08:33	(unrelated sample)
ZZZZZZ	2P37329R.D	06/06/14	20:10	08:56	(unrelated sample)
ZZZZZZ	2P37329.D	06/06/14	20:10	08:56	(unrelated sample)
ZZZZZZ	2P37330R.D	06/06/14	20:34	09:20	(unrelated sample)
ZZZZZZ	2P37330.D	06/06/14	20:34	09:20	(unrelated sample)
ZZZZZZ	2P37331.D	06/06/14	20:58	09:44	(unrelated sample)
ZZZZZZ	2P37331R.D	06/06/14	20:58	09:44	(unrelated sample)
ZZZZZZ	2P37332R.D	06/06/14	21:21	10:07	(unrelated sample)
ZZZZZZ	2P37332.D	06/06/14	21:21	10:07	(unrelated sample)
ZZZZZZ	2P37333R.D	06/06/14	21:45	10:31	(unrelated sample)
ZZZZZZ	2P37333.D	06/06/14	21:45	10:31	(unrelated sample)
ZZZZZZ	2P37334.D	06/06/14	22:08	10:54	(unrelated sample)
ZZZZZZ	2P37334R.D	06/06/14	22:08	10:54	(unrelated sample)
ZZZZZZ	2P37335.D	06/06/14	22:32	11:18	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EZ4569-DFTPP
Lab File ID: Z91825.D
Instrument ID: GCMSZ
Injection Date: 05/24/14
Injection Time: 10:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	103200	43.9		Pass
68	Less than 2.0% of mass 69	132	0.06	(0.13) [a]	Pass
69	Mass 69 relative abundance	99905	42.5		Pass
70	Less than 2.0% of mass 69	389	0.17	(0.39) [a]	Pass
127	40.0 - 60.0% of mass 198	120829	51.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	234944	100.0		Pass
199	5.0 - 9.0% of mass 198	15620	6.65		Pass
275	10.0 - 30.0% of mass 198	54928	23.4		Pass
365	1.0 - 100.0% of mass 198	7584	3.23		Pass
441	Present, but less than mass 443	25762	11.0	(73.6) [b]	Pass
442	40.0 - 100.0% of mass 198	180613	76.9		Pass
443	17.0 - 23.0% of mass 442	35018	14.9	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4569-IC4569	Z91826.D	05/24/14	10:56	00:19	Initial cal 100
EZ4569-IC4569	Z91827.D	05/24/14	11:21	00:44	Initial cal 80
EZ4569-IC4569	Z91828.D	05/24/14	11:46	01:09	Initial cal 2
EZ4569-ICC4569	Z91829.D	05/24/14	12:12	01:35	Initial cal 50
EZ4569-IC4569	Z91830.D	05/24/14	12:37	02:00	Initial cal 25
EZ4569-IC4569	Z91831.D	05/24/14	13:03	02:26	Initial cal 1
EZ4569-IC4569	Z91832.D	05/24/14	13:28	02:51	Initial cal 5
EZ4569-IC4569	Z91833.D	05/24/14	13:53	03:16	Initial cal 10

Instrument Performance Check (DFTPP)

Job Number: JB67976
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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EZ4572-DFTPP
Lab File ID: Z91867.D
Instrument ID: GCMSZ
Injection Date: 05/27/14
Injection Time: 20:53

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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4586-DFTPP	**Injection Date:**	06/06/14
Lab File ID:	Z92215.D	**Injection Time:**	09:59
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	51299	41.5		Pass
68	Less than 2.0% of mass 69	321	0.26	(0.65) [a]	Pass
69	Mass 69 relative abundance	49423	39.9		Pass
70	Less than 2.0% of mass 69	517	0.42	(1.05) [a]	Pass
127	40.0 - 60.0% of mass 198	60571	48.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	123741	100.0		Pass
199	5.0 - 9.0% of mass 198	8167	6.60		Pass
275	10.0 - 30.0% of mass 198	31331	25.3		Pass
365	1.0 - 100.0% of mass 198	4578	3.70		Pass
441	Present, but less than mass 443	15789	12.8	(76.6) [b]	Pass
442	40.0 - 100.0% of mass 198	109106	88.2		Pass
443	17.0 - 23.0% of mass 442	20606	16.7	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ4586-CC4569	Z92216.D	06/06/14	10:20	00:21	Continuing cal 50
EZ4586-CC4571	Z92217.D	06/06/14	10:48	00:49	Continuing cal 50
OP75363-MB1	Z92220.D	06/06/14	12:05	02:06	Method Blank
OP75363-BS1	Z92221.D	06/06/14	12:31	02:32	Blank Spike
OP75203-MB1	Z92234.D	06/06/14	12:57	02:58	Method Blank
ZZZZZZ	Z92235.D	06/06/14	13:22	03:23	(unrelated sample)
ZZZZZZ	Z92236.D	06/06/14	13:48	03:49	(unrelated sample)
ZZZZZZ	Z92222.D	06/06/14	14:13	04:14	(unrelated sample)
ZZZZZZ	Z92223.D	06/06/14	14:39	04:40	(unrelated sample)
ZZZZZZ	Z92225.D	06/06/14	16:23	06:24	(unrelated sample)
ZZZZZZ	Z92227.D	06/06/14	17:14	07:15	(unrelated sample)
ZZZZZZ	Z92228.D	06/06/14	17:40	07:41	(unrelated sample)
OP75363-MS	Z92229.D	06/06/14	18:06	08:07	Matrix Spike
OP75363-MSD	Z92230.D	06/06/14	18:32	08:33	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4589-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	Z92286.D	**Injection Time:**	09:11
Instrument ID:	GCMSZ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	45603	41.4		Pass
68	Less than 2.0% of mass 69	181	0.16	(0.40) [a]	Pass
69	Mass 69 relative abundance	44761	40.6		Pass
70	Less than 2.0% of mass 69	72	0.07	(0.16) [a]	Pass
127	40.0 - 60.0% of mass 198	54327	49.3		Pass
197	Less than 1.0% of mass 198	79	0.07		Pass
198	Base peak, 100% relative abundance	110114	100.0		Pass
199	5.0 - 9.0% of mass 198	7146	6.49		Pass
275	10.0 - 30.0% of mass 198	28545	25.9		Pass
365	1.0 - 100.0% of mass 198	4818	4.38		Pass
441	Present, but less than mass 443	14454	13.1	(76.3) [b]	Pass
442	40.0 - 100.0% of mass 198	100933	91.7		Pass
443	17.0 - 23.0% of mass 442	18946	17.2	(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
EZ4589-CC4569	Z92287.D	06/09/14	09:23	00:12	Continuing cal 25
EZ4589-CC4571	Z92288.D	06/09/14	09:49	00:38	Continuing cal 25
OP75394-MB1	Z92289.D	06/09/14	10:15	01:04	Method Blank
OP75249-MB1	Z92290.D	06/09/14	10:40	01:29	Method Blank
OP75249-BS1	Z92291.D	06/09/14	11:06	01:55	Blank Spike
JB67976-6	Z92292.D	06/09/14	11:32	02:21	296-FB-7
OP75260-MB1	Z92293.D	06/09/14	11:57	02:46	Method Blank
OP75227-MB1	Z92294.D	06/09/14	12:23	03:12	Method Blank
ZZZZZZ	Z92295.D	06/09/14	12:49	03:38	(unrelated sample)
ZZZZZZ	Z92295.D	06/09/14	12:49	03:38	(unrelated sample)
ZZZZZZ	Z92296.D	06/09/14	13:15	04:04	(unrelated sample)
JB68347-1RQ	Z92296.D	06/09/14	13:15	04:04	(used for QC only; not part of job JB67976)
ZZZZZZ	Z92298.D	06/09/14	14:07	04:56	(unrelated sample)
ZZZZZZ	Z92299.D	06/09/14	14:32	05:21	(unrelated sample)
ZZZZZZ	Z92300.D	06/09/14	14:58	05:47	(unrelated sample)
ZZZZZZ	Z92301.D	06/09/14	15:24	06:13	(unrelated sample)
OP75249-MS	Z92303.D	06/09/14	16:15	07:04	Matrix Spike
OP75249-MSD	Z92304.D	06/09/14	16:41	07:30	Matrix Spike Duplicate
JB68024-1	Z92305.D	06/09/14	17:06	07:55	(used for QC only; not part of job JB67976)

Instrument Performance Check (DFTPP)

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EZ4589-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	Z92286.D	**Injection Time:**	09:11
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75203-MS	Z92306.D	06/09/14	17:32	08:21	Matrix Spike
OP75203-MSD	Z92307.D	06/09/14	17:58	08:47	Matrix Spike Duplicate
ZZZZZZ	Z92309.D	06/09/14	18:49	09:38	(unrelated sample)
ZZZZZZ	Z92310.D	06/09/14	19:15	10:04	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E2P1551-CC1539	**Injection Date:**	06/05/14
Lab File ID:	2P37280.D	**Injection Time:**	23:20
Instrument ID:	GCMS2P	**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	434191	3.60	1661196	4.94	911534	7.00	1453392	8.81	1322227	12.57	959080	14.64
Upper Limit [a]	868382	4.10	3322392	5.44	1823068	7.50	2906784	9.31	2644454	13.07	1918160	15.14
Lower Limit [b]	217096	3.10	830598	4.44	455767	6.50	726696	8.31	661114	12.07	479540	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
OP75345-MB1	466472	3.59	1825731	4.93	984253	7.00	1522128	8.81	1339437	12.56	1035298	14.63
OP75345-BS1	461125	3.59	1742415	4.93	963654	7.00	1523633	8.81	1410108	12.57	1063975	14.63
ZZZZZZ	397974	3.59	1511720	4.93	798431	7.00	1161225	8.81	1376484	12.59	1400712	14.69
JB67976-3	446798	3.59	1703172	4.93	931425	7.00	1383665	8.81	1059222	12.56	963898	14.63
ZZZZZZ	463186	3.59	1779902	4.93	964091	7.00	1459342	8.81	1172906	12.56	1022565	14.63
ZZZZZZ	523062	3.59	2008902	4.93	1100302	7.00	1679452	8.80	1329940	12.56	1193704	14.63
ZZZZZZ	504042	3.59	1936630	4.93	1027930	7.00	1539387	8.81	1281950	12.56	1084748	14.63
ZZZZZZ	524953	3.59	1991074	4.93	1073055	7.00	1580886	8.81	1296817	12.56	1114393	14.63
OP75345-MS	341763	3.59	1303445	4.93	724554	7.00	1123809	8.81	1051127	12.56	881984	14.63
OP75345-MSD	461667	3.59	1738439	4.93	948209	7.00	1435109	8.81	1290278	12.56	1070934	14.63
JB67991-17	329504	3.59	1254608	4.93	676032	7.00	1029173	8.80	853588	12.56	766876	14.62
ZZZZZZ	335986	3.59	1297594	4.93	709546	7.00	1096449	8.80	915119	12.56	813625	14.63
ZZZZZZ	452709	3.59	1757748	4.93	944513	7.00	1423456	8.81	1211912	12.56	1080625	14.63
ZZZZZZ	344285	3.59	1268604	4.93	720536	7.00	1115535	8.81	934895	12.56	864264	14.63
ZZZZZZ	456205	3.59	1770194	4.93	954881	7.00	1456212	8.81	1225779	12.56	1115563	14.63
ZZZZZZ	474089	3.60	1799892	4.93	955478	7.00	1414320	8.81	1249723	12.57	1218652	14.66
ZZZZZZ	436710	3.60	1701492	4.94	915173	7.01	1359925	8.82	1180471	12.59	1083381	14.66
ZZZZZZ	494286	3.61	1000765	4.98	867663	7.06	1810056	8.91	1854606	12.66	1683605	14.74
ZZZZZZ	494286	3.61	1000765	4.98	867663	7.06	1810056	8.91	1854606	12.66	1683605	14.74
ZZZZZZ	399348	3.61	1132742	4.98	838524	7.05	1419408	8.88	1361054	12.63	1270117	14.71
ZZZZZZ	399348	3.61	1132742	4.98	838524	7.05	1419408	8.88	1361054	12.63	1270117	14.71
ZZZZZZ	371951	3.62	653184*	4.99	733296	7.07	1343239	8.95	1414792	12.70	1338045	14.79
ZZZZZZ	371951	3.62	653184*	4.99	733296	7.07	1343239	8.95	1414792	12.70	1338045	14.79
ZZZZZZ	359375	3.63	568520*	4.99	506940	7.08	1107819	8.97	1406819	12.72	1367093	14.82
ZZZZZZ	359375	3.63	568520*	4.99	506940	7.08	1107819	8.97	1406819	12.72	1367093	14.82
ZZZZZZ	193748*	3.61	529750*	4.99	619703	7.06	818507	8.93	944214	12.70	785658	14.79

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.

Semivolatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E2P1551-CC1539	**Injection Date:**	06/05/14
Lab File ID:	2P37280.D	**Injection Time:**	23:20
Instrument ID:	GCMS2P	**Method:**	SW846 8270D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

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

Semivolatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E2P1552-CC1539	**Injection Date:**	06/06/14
Lab File ID:	2P37312.D	**Injection Time:**	11:23
Instrument ID:	GCMS2P	**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	561532	3.60	2160247	4.94	1224223	7.00	1880565	8.81	1840565	12.57	1283172	14.64
Upper Limit [a]	1123064	4.10	4320494	5.44	2448446	7.50	3761130	9.31	3681130	13.07	2566344	15.14
Lower Limit [b]	280766	3.10	1080124	4.44	612112	6.50	940283	8.31	920283	12.07	641586	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
OP75292-MB1	488668	3.59	1756682	4.93	1018275	7.00	1617141	8.81	1361041	12.56	922176	14.63
OP75292-BS1	530858	3.59	1946953	4.93	1101326	7.00	1705780	8.81	1595112	12.57	1031574	14.64
ZZZZZZ	498259	3.59	1886472	4.93	1030741	7.00	1598342	8.81	1146395	12.56	998010	14.63
OP75259-MB1	518961	3.59	1833753	4.93	1053507	7.00	1632519	8.81	1233206	12.56	907096	14.63
ZZZZZZ	453741	3.59	1828357	4.93	986277	7.00	1463579	8.80	1068462	12.56	954436	14.64
ZZZZZZ	495089	3.59	2067104	4.93	1099879	7.00	1530779	8.81	1163317	12.57	1074608	14.64
OP75292-MS	512648	3.59	1896890	4.94	1055590	7.00	1515361	8.81	1306133	12.57	913957	14.64
OP75292-MSD	511229	3.59	1880035	4.94	1032023	7.00	1488152	8.81	1285058	12.57	887564	14.64
JB67976-1	500427	3.59	1907911	4.93	1014304	7.00	1452260	8.81	1066296	12.57	847982	14.64
JB67976-2	493701	3.59	1787738	4.93	969884	7.00	1459163	8.81	1044764	12.56	807092	14.63
JB67976-4	408157	3.59	1491368	4.93	831754	7.00	1298156	8.81	980848	12.57	705588	14.64
JB67976-5	463607	3.59	1694520	4.93	1001167	7.00	1553841	8.81	1238917	12.57	864973	14.64
JB67976-8	465845	3.59	1743713	4.93	990207	7.00	1529023	8.81	1241080	12.56	895087	14.63
JB67976-9	534712	3.59	1984972	4.93	1025527	7.00	1605919	8.81	1308060	12.56	931106	14.63
JB67976-10	514040	3.59	1887016	4.93	1005360	7.00	1556432	8.81	1262664	12.56	908870	14.63
JB67976-11	492665	3.59	1822598	4.93	987212	7.00	1523625	8.80	1283242	12.56	946436	14.63
JB67976-12	442700	3.59	1711296	4.93	876825	7.00	1365084	8.81	1106979	12.56	823882	14.63
ZZZZZZ	472229	3.60	1113066	4.97	912657	7.04	1557551	8.89	1419490	12.62	1169917	14.70
ZZZZZZ	472229	3.60	1113066	4.97	912657	7.04	1557551	8.89	1419490	12.62	1169917	14.70
ZZZZZZ	478576	3.60	910563*	4.97	959344	7.04	1594756	8.87	1386392	12.62	427911*	14.70
ZZZZZZ	478576	3.60	910563*	4.97	959344	7.04	1594756	8.87	1386392	12.62	427911*	14.70
ZZZZZZ	465117	3.60	1744752	4.96	1094780	7.02	1364142	8.84	1141003	12.60	970928	14.67
ZZZZZZ	465117	3.60	1744752	4.96	1094780	7.02	1364142	8.84	1141003	12.60	970928	14.67
ZZZZZZ	442739	3.60	942899*	4.97	1045827	7.04	1360071	8.86	1176078	12.62	909545	14.68
ZZZZZZ	442739	3.60	942899*	4.97	1045827	7.04	1360071	8.86	1176078	12.62	909545	14.68
ZZZZZZ	427972	3.60	1518242	4.95	864481	7.01	1189571	8.82	1095208	12.58	820009	14.65
ZZZZZZ	427972	3.60	1518242	4.95	864481	7.01	1189571	8.82	1095208	12.58	820009	14.65
ZZZZZZ	416531	3.61	623660*	4.97	768422	7.05	1423325	8.89	1237640	12.64	78746*	14.72
ZZZZZZ	416531	3.61	623660*	4.97	768422	7.05	1423325	8.89	1237640	12.64	78746*	14.72
ZZZZZZ	425524	3.60	1238638	4.98	961263	7.05	1360252	8.89	1155277	12.64	858233	14.72
ZZZZZZ	425524	3.60	1238638	4.98	961263	7.05	1360252	8.89	1155277	12.64	858233	14.72
ZZZZZZ	80624*	3.60	307949*	4.97	329223*	7.03	240481*	8.84	234958*	12.61	165068*	14.69
ZZZZZZ	80624*	3.60	307949*	4.97	329223*	7.03	240481*	8.84	234958*	12.61	165068*	14.69
ZZZZZZ	417980	3.61	644040*	4.98	1054962	7.09	1442062	8.95	17933*	12.75	789523	14.71

Semivolatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E2P1552-CC1539	**Injection Date:**	06/06/14
Lab File ID:	2P37312.D	**Injection Time:**	11:23
Instrument ID:	GCMS2P	**Method:**	SW846 8270D

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EZ4586-CC4569	**Injection Date:**	06/06/14
Lab File ID:	Z92216.D	**Injection Time:**	10:20
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	346671	3.64	1366032	4.98	753504	7.03	1295645	8.82	1302280	12.54	1231103	14.59
Upper Limit [a]	693342	4.14	2732064	5.48	1507008	7.53	2591290	9.32	2604560	13.04	2462206	15.09
Lower Limit [b]	173336	3.14	683016	4.48	376752	6.53	647823	8.32	651140	12.04	615552	14.09

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
OP75363-MB1	247640	3.64	1003034	4.97	541729	7.02	914390	8.81	921171	12.53	839219	14.57
OP75363-BS1	249962	3.64	980189	4.97	532365	7.02	871650	8.81	853338	12.53	803851	14.58
OP75203-MB1	300404	3.64	1180625	4.97	633310	7.02	1006089	8.81	929686	12.53	849344	14.57
ZZZZZZ	286588	3.64	822232	5.00	613025	7.04	1080718	8.84	1076057	12.55	864895	14.60
ZZZZZZ	273936	3.64	972905	4.98	588934	7.03	1006129	8.83	1023598	12.54	936682	14.59
ZZZZZZ	245426	3.64	963684	4.97	530880	7.02	899093	8.82	930388	12.53	829744	14.58
ZZZZZZ	257387	3.64	1034026	4.97	558659	7.02	952378	8.82	953385	12.53	850206	14.58
ZZZZZZ	222789	3.64	894296	4.97	494237	7.02	832514	8.82	852262	12.53	750778	14.58
ZZZZZZ	222778	3.64	863283	4.97	476090	7.02	799447	8.81	822227	12.53	740654	14.58
ZZZZZZ	231599	3.64	901328	4.97	502968	7.02	844537	8.82	873639	12.53	761456	14.58
OP75363-MS	252422	3.64	967111	4.97	514249	7.02	843831	8.82	797123	12.54	758130	14.58
OP75363-MSD	221450	3.64	862167	4.97	472870	7.02	792229	8.81	790427	12.54	710875	14.58

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Internal Standard Area Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EZ4589-CC4569 **Injection Date:** 06/09/14
Lab File ID: Z92287.D **Injection Time:** 09:23
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	318966	3.61	1217330	4.95	660115	7.00	1096125	8.79	1133609	12.50	1071496	14.55
Upper Limit [a]	637932	4.11	2434660	5.45	1320230	7.50	2192250	9.29	2267218	13.00	2142992	15.05
Lower Limit [b]	159483	3.11	608665	4.45	330058	6.50	548063	8.29	566805	12.00	535748	14.05
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**
OP75394-MB1	257618	3.61	1035961	4.94	560339	7.00	942295	8.79	932376	12.50	838491	14.54
OP75249-MB1	305811	3.61	1243609	4.95	684412	7.00	1167203	8.79	1210643	12.50	1142356	14.54
OP75249-BS1	228728	3.61	924117	4.95	519074	7.00	876619	8.79	906429	12.50	814315	14.54
JB67976-6	244293	3.61	969548	4.95	535053	7.00	907245	8.79	942499	12.50	872961	14.55
OP75260-MB1	317856	3.61	1294695	4.94	696838	7.00	1161607	8.79	1124000	12.50	1033011	14.54
OP75227-MB1	276169	3.61	1103192	4.95	609014	7.00	1036577	8.79	1081609	12.50	1032658	14.55
ZZZZZZ	284845	3.61	1134011	4.94	627399	7.00	1086422	8.79	1147507	12.50	1091955	14.54
ZZZZZZ	284845	3.61	1134011	4.94	627399	7.00	1086422	8.79	1147507	12.50	1091955	14.54
ZZZZZZ	300094	3.61	1174321	4.94	609805	7.00	1058976	8.79	1132660	12.50	1024256	14.54
JB68347-1RQ	300094	3.61	1174321	4.94	609805	7.00	1058976	8.79	1132660	12.50	1024256	14.54
ZZZZZZ	217051	3.61	802460	4.96	388436	7.01	780813	8.81	864568	12.50	822985	14.54
ZZZZZZ	253302	3.61	1027170	4.95	563949	7.00	963474	8.79	987048	12.51	944806	14.56
ZZZZZZ	236470	3.61	944794	4.95	530010	7.01	875496	8.80	875116	12.53	852696	14.58
ZZZZZZ	258599	3.62	1063825	4.96	595454	7.01	1008460	8.80	1008239	12.51	950777	14.57
OP75249-MS	213580	3.62	864457	4.96	483891	7.01	820652	8.80	804837	12.52	754475	14.57
OP75249-MSD	237651	3.62	940157	4.96	528859	7.01	905510	8.80	907954	12.52	830413	14.57
JB68024-1	198030	3.62	812157	4.96	464590	7.01	781242	8.80	798021	12.51	711941	14.56
OP75203-MS	318661	3.62	1220378	4.97	727274	7.01	1227720	8.81	1281310	12.53	1188313	14.57
OP75203-MSD	266126	3.62	985800	4.97	613903	7.01	1009073	8.81	1026153	12.53	963382	14.57
ZZZZZZ	211074	3.62	838431	4.96	476231	7.01	806853	8.80	802576	12.51	727074	14.56
ZZZZZZ	212615	3.62	858058	4.96	485061	7.01	815664	8.80	832118	12.51	736833	14.56

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: JB67976
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
JB67976-6	Z92292.D	70	55	105	84	76	97
OP75363-BS1	Z92221.D	49	36	121	93	89	109
OP75363-MB1	Z92220.D	43	28	99	83	74	90
OP75363-MS	Z92229.D	57	56	75	61	57	67
OP75363-MSD	Z92230.D	61	57	93	73	67	79

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: JB67976
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
JB67976-1	2P37318.D	65	67	106	85	84	106
JB67976-2	2P37319.D	48	61	61	92	91	111
JB67976-3	2P37285.D	71	72	97	86	79	87
JB67976-4	2P37320.D	82	78	123	116* [a]	105	135* [b]
JB67976-5	2P37321.D	58	59	95	80	73	93
JB67976-8	2P37322.D	65	63	98	88	81	96
JB67976-9	2P37323.D	47	56	40	64	82	98
JB67976-10	2P37324.D	39	49	39	42	72	74
JB67976-11	2P37325.D	61	56	90	79	77	89
JB67976-12	2P37326.D	62	64	98	80	81	100
OP75292-BS1	2P37315.D	71	76	105	85	82	88
OP75292-MB1	2P37314.D	75	73	104	102	91	109
OP75292-MS	2P37336.D	78	81	116	93	88	91
OP75292-MSD	2P37337.D	76	79	111	90	87	92
OP75345-BS1	2P37283.D	82	82	102	90	83	90
OP75345-MB1	2P37282.D	80	79	99	92	86	98
OP75345-MS	2P37290.D	62	66	96	70	67	78
OP75345-MSD	2P37291.D	60	65	87	69	66	72

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	20-123%
S4 = Nitrobenzene-d5	10-110%
S5 = 2-Fluorobiphenyl	17-110%
S6 = Terphenyl-d14	30-124%

(a) Outside of in-house control limits, but within reasonable method recovery limits.
(b) Outside of in-house control limits.

Initial Calibration Summary

Job Number: JB67976 **Sample:** E2P1539-ICC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37001.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2P

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri May 30 09:21:22 2014
Response via : Initial Calibration

Calibration Files
2 =2p37007.D 5 =2p37006.D 25 =2p37002.D 80 =2p37004.D
100 =2p37003.D 50 =2p37001.D 1 =2p37008.D 10 =2p37005.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.619	0.633	0.617	0.593	0.570	0.603	0.522	0.620	0.597	6.06
3) Pyridine	1.548	1.562	1.565	1.517	1.459	1.519	1.598	1.531	1.537	2.71
4) N-Nitrosodim	0.772	0.802	0.793	0.764	0.737	0.768	0.763	0.752	0.769	2.70
5) 2-Fluorophen	1.317	1.404	1.422	1.380	1.318	1.377	1.376	1.353	1.368	2.74
6) Indene	2.846	2.908	2.744	2.335	2.130	2.539	2.826	2.724	2.631	10.44
7) Cumene	3.856	4.019	3.951	3.586	3.372	3.781	3.873	3.807	3.781	5.52
8) Phenol-d5	1.674	1.718	1.693	1.611	1.526	1.645	1.700	1.657	1.653	3.72
9) Phenol	1.815	1.848	1.800	1.652	1.577	1.744	1.974	1.771	1.773	6.82
10) Aniline	2.139	2.093	1.876	1.624	1.539	1.728	2.161	1.958	1.890	12.67
11) bis(2-Chloro	1.324	1.302	1.269	1.164	1.097	1.200	1.282	1.247	1.235	6.21
12) 2-Chlorophen	1.559	1.596	1.548	1.403	1.315	1.475	1.658	1.534	1.511	7.27
13) Decane	1.671	1.715	1.607	1.298	1.193	1.445	1.683	1.631	1.530	12.80
14) 1,3-Dichloro	1.715	1.748	1.671	1.540	1.470	1.593	1.705	1.640	1.635	5.82
15) 1,4-Dichloro	1.696	1.709	1.650	1.527	1.435	1.578	1.746	1.620	1.620	6.39
16) Benzyl alcoh	0.904	0.933	0.935	0.881	0.837	0.908	0.924	0.910	0.904	3.55
17) 1,2-Dichloro	1.589	1.630	1.556	1.395	1.316	1.466	1.668	1.548	1.521	7.90
18) Acetophenone	2.341	2.370	2.221	1.907	1.818	2.051	2.366	2.255	2.166	9.94
19) 2-Methylphen	1.273	1.306	1.287	1.155	1.068	1.207	1.320	1.281	1.237	7.08
20) 2,2'-oxybis(	0.416	0.425	0.403	0.362	0.340	0.376	0.426	0.403	0.394	7.99
21) 3&4-Methylph	1.316	1.371	1.322	1.168	1.116	1.235	1.431	1.326	1.286	8.18
22) n-Nitroso-di	0.906	0.929	0.871	0.761	0.444	0.810	0.914	0.878	0.814	19.61
23) Hexachloroet	0.533	0.514	0.508	0.490	0.471	0.486	0.532	0.494	0.504	4.42
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.377	0.382	0.360	0.335	0.323	0.346	0.368	0.365	0.357	5.79
26) Nitrobenzene	0.385	0.398	0.370	0.334	0.317	0.351	0.400	0.384	0.367	8.37
27) Quinoline	0.878	0.897	0.865	0.817	0.788	0.828	0.860	0.869	0.850	4.25
28) Isophorone	0.648	0.669	0.645	0.584	0.565	0.607	0.651	0.651	0.628	5.95
29) 2-Nitropheno	0.175	0.190	0.201	0.194	0.188	0.199	0.188	0.194	0.191	4.25
30) 2,4-Dimethyl	0.226	0.297	0.326	0.313	0.304	0.324	0.288	0.295	0.297	10.73
31) Benzoic acid		0.117	0.207	0.267	0.264	0.255		0.152	0.210	30.30
----- Quadratic regression -----									Coefficient =	0.9989
Response Ratio = -0.02830 + 0.27221 *A + 0.00215 *A^2										
32) bis(2-Chloro	0.402	0.419	0.395	0.362	0.347	0.376	0.414	0.399	0.389	6.56
33) 2,4-Dichloro	0.289	0.305	0.299	0.285	0.270	0.287	0.294	0.295	0.290	3.61
34) 2,6-Dichloro	0.279	0.289	0.283	0.263	0.251	0.273	0.278	0.284	0.275	4.53
35) 1,3,5-Trichl	0.399	0.411	0.391	0.357	0.337	0.369	0.407	0.398	0.384	6.90
36) 1,2,4-Trichl	0.344	0.346	0.324	0.304	0.291	0.313	0.338	0.329	0.324	6.09
37) 1,2,3-Trichl	0.386	0.383	0.361	0.327	0.308	0.345	0.370	0.367	0.356	7.66
38) Naphthalene	1.126	1.149	1.082	0.937	0.903	1.027	1.225	1.094	1.068	10.10
39) 4-Chloroanil	0.504	0.506	0.473	0.413	0.380	0.447	0.504	0.481	0.464	10.06
40) 2,3-Dichloro	0.436	0.439	0.425	0.399	0.381	0.411	0.435	0.426	0.419	4.88
41) Caprolactam	0.113	0.121	0.125	0.123	0.121	0.126	0.106	0.122	0.120	5.70
42) Hexachlorobu	0.163	0.165	0.159	0.150	0.142	0.153	0.171	0.159	0.158	5.92

Initial Calibration Summary

Job Number: JB67976 **Sample:** E2P1539-ICC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37001.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

43) 4-Chloro-3-m 0.293 0.316 0.317 0.302 0.292 0.311 0.310 0.315 0.307 3.28
44) 2-Methylnaph 0.636 0.659 0.630 0.581 0.552 0.606 0.655 0.637 0.619 6.00
45) 1-Methylnaph 0.732 0.740 0.720 0.641 0.603 0.688 0.749 0.725 0.700 7.48
46) Dimethylnaph 0.719 0.725 0.694 0.617 0.588 0.660 0.723 0.694 0.678 7.61

47) I Acenaphthene-d10 ----------ISTD----------
48) Hexachlorocy 0.235 0.277 0.333 0.329 0.312 0.337 0.204 0.289 0.290 16.93
49) 2,4,6-Trichl 0.310 0.339 0.357 0.346 0.333 0.345 0.299 0.346 0.334 5.93
50) 2,4,5-Trichl 0.352 0.383 0.391 0.386 0.370 0.383 0.328 0.386 0.372 5.85
51) 2-Fluorobiph 1.322 1.351 1.275 1.174 1.092 1.201 1.352 1.286 1.256 7.41
52) 2-Chloronaph 1.268 1.312 1.215 1.037 0.967 1.119 1.326 1.247 1.186 11.11
53) Biphenyl 1.866 1.914 1.820 1.539 1.391 1.681 1.903 1.845 1.745 10.95
54) 2-Nitroanili 0.325 0.362 0.369 0.343 0.334 0.352 0.295 0.354 0.342 6.90
55) Dimethylphth 1.328 1.368 1.309 1.223 1.182 1.232 1.438 1.304 1.298 6.44
56) Acenaphthyle 2.031 2.089 2.033 1.820 1.705 1.919 2.011 2.007 1.952 6.64
57) 2,6-Dinitrot 0.251 0.283 0.299 0.289 0.277 0.292 0.228 0.290 0.276 8.74
58) 3-Nitroanili 0.365 0.382 0.391 0.376 0.360 0.382 0.332 0.385 0.372 5.10
59) Acenaphthene 1.263 1.278 1.248 1.133 1.074 1.183 1.314 1.238 1.216 6.61
60) 2,4-Dinitrop 0.124 0.160 0.162 0.152 0.080 0.136 25.74
----- Linear regression ----- Coefficient = 0.9997
Response Ratio = -0.05241 + 0.17269 *A

61) 4-Nitropheno 0.125 0.158 0.193 0.191 0.188 0.192 0.110 0.172 0.166 19.49
62) Dibenzofuran 1.700 1.707 1.633 1.451 1.372 1.509 1.882 1.634 1.611 10.08
63) 2,4-Dinitrot 0.323 0.378 0.404 0.371 0.357 0.385 0.295 0.395 0.363 10.26
64) 2,3,4,6-Tetr 0.184 0.226 0.274 0.290 0.284 0.279 0.164 0.243 0.243 19.80
65) Diethylphtha 1.375 1.420 1.385 1.295 1.228 1.330 1.415 1.382 1.354 4.85
66) Fluorene 1.337 1.372 1.351 1.236 1.156 1.260 1.394 1.340 1.306 6.19
67) 4-Chlorophen 0.565 0.571 0.544 0.506 0.480 0.514 0.546 0.549 0.534 5.89
68) 4-Nitroanili 0.362 0.373 0.381 0.354 0.339 0.362 0.349 0.377 0.362 3.97

69) I Phenanthrene-d10 ----------ISTD----------
70) 4,6-Dinitro- 0.052 0.104 0.127 0.126 0.120 0.069 0.099 32.13
----- Quadratic regression ----- Coefficient = 0.9995
Response Ratio = -0.01315 + 0.12889 *A + 0.00129 *A^2

71) n-Nitrosodip 0.566 0.588 0.559 0.538 0.521 0.545 0.558 0.570 0.556 3.72
72) 1,2-Diphenyl 0.927 0.949 0.910 0.779 0.735 0.841 0.898 0.915 0.869 8.81
73) 2,4,6-Tribro 0.074 0.091 0.108 0.109 0.096 0.079 0.093 15.46
74) 4-Bromopheny 0.190 0.197 0.194 0.204 0.202 0.194 0.197 0.190 0.196 2.56
75) Hexachlorobe 0.229 0.232 0.229 0.241 0.238 0.224 0.228 0.224 0.231 2.61
76) Pentachlorop 0.091 0.138 0.160 0.160 0.151 0.112 0.135 20.73
----- Quadratic regression ----- Coefficient = 0.9997
Response Ratio = -0.02066 + 0.15554 *A + 0.00188 *A^2

77) Phenanthrene 1.218 1.208 1.173 1.085 1.048 1.118 1.288 1.175 1.164 6.69
78) Anthracene 1.172 1.196 1.185 1.104 1.048 1.121 1.176 1.164 1.146 4.42
79) Carbazole 1.376 1.419 1.380 1.279 1.223 1.312 1.330 1.364 1.336 4.74
80) Di-n-butylph 1.337 1.510 1.536 1.429 1.382 1.504 1.362 1.513 1.447 5.43
81) Fluoranthene 1.192 1.248 1.265 1.235 1.199 1.245 1.191 1.249 1.228 2.41
82) Octadecane 0.394 0.409 0.398 0.316 0.292 0.356 0.371 0.405 0.368 11.85

83) I Chrysene-d12 ----------ISTD----------
84) Pyrene 1.432 1.452 1.458 1.354 1.297 1.393 1.356 1.421 1.395 4.01
85) Terphenyl-d1 0.775 0.814 0.828 0.817 0.787 0.800 0.751 0.793 0.796 3.12
86) Butylbenzylp 0.529 0.658 0.733 0.713 0.696 0.736 0.484 0.685 0.654 14.58
87) Butyl steara 0.284 0.367 0.413 0.348 0.327 0.392 0.214 0.391 0.342 19.31
88) Benzo[a]anth 1.181 1.196 1.205 1.173 1.127 1.177 1.242 1.159 1.183 2.86
89) 3,3'-Dichlor 0.324 0.381 0.426 0.429 0.408 0.421 0.264 0.398 0.381 15.34
90) Chrysene 1.039 1.054 1.054 1.013 0.971 1.020 1.054 1.041 1.031 2.81

Initial Calibration Summary

Job Number: JB67976 **Sample:** E2P1539-ICC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37001.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 91) bis(2-Ethylh 0.631 0.827 0.979 0.936 0.904 0.969       0.883 0.876  13.67

 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 0.952 1.521 1.937 1.954 1.852 2.017       1.698 1.704  21.89
          ----- Quadratic regression -----                Coefficient =  0.9996
               Response Ratio = -0.10465 + 2.27743 *A + -0.14846 *A^2

 94) Benzo[b]fluo 1.117 1.273 1.382 1.474 1.490 1.412 0.968 1.285 1.300  13.95
 95) Benzo[k]fluo 1.164 1.276 1.256 1.142 1.032 1.213 1.147 1.265 1.187   6.93
 96) Benzo[a]pyre 0.959 1.116 1.178 1.190 1.167 1.188 0.854 1.161 1.102  11.42
 97) Indeno[1,2,3 1.118 1.300 1.441 1.462 1.441 1.447 0.986 1.347 1.318  13.41
 98) Dibenz(a,h)a 0.827 1.030 1.190 1.258 1.223 1.227       1.124 1.126  13.57
 99) Dibenz[a,h]a 0.887 1.055 1.145 1.165 1.130 1.145 0.789 1.096 1.052  13.19
100) 7,12-Dimethy 0.152 0.270 0.602 0.707 0.688 0.681       0.383 0.498  45.60
          ----- Quadratic regression -----                Coefficient =  0.9989
               Response Ratio = -0.05997 + 0.73372 *A + -0.00567 *A^2

101) Benzo[g,h,i] 0.942 1.075 1.162 1.179 1.142 1.176 0.803 1.106 1.073  12.50

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

           M2P1539.M         Fri May 30 09:28:01 2014   RPT1
```

8.7.1

8

Initial Calibration Summary

Job Number: JB67976 **Sample:** E2P1540-ICC1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37012.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2P

Method : C:\MSDCHEM\1\METHODS\M2P1540.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 12:40:44 2014
Response via : Initial Calibration

Calibration Files
2 =2p37016.D 5 =2p37015.D 25 =2p37013.D 80 =2p37011.D
100 =2p37010.D 50 =2p37012.D 1 =2p37017.D 10 =2p37014.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.066	1.106	1.108	1.004	0.946	1.059	1.087	1.116	1.061	5.57
104) Acenaphthene-d10a	ISTD									
105) Atrazine	0.095	0.122	0.144	0.159	0.159	0.155		0.139	0.139	16.84
106) 1,2,4,5-Tetr	0.534	0.551	0.551	0.564	0.564	0.560	0.530	0.554	0.551	2.31
107) I Chrysene-d12a	ISTD									
108) 1-chloroocta	0.289	0.364	0.393	0.343	0.333	0.369	0.278	0.386	0.344	12.42
109) Benzidine		0.697	0.834	0.578	0.518	0.812		0.804	0.707	18.89
110) I Phenanthrene-d10a	ISTD									
111) O-terphenyl	0.464	0.501	0.505	0.500	0.487	0.508	0.471	0.503	0.492	3.40
112) I Naphthalene-d8a	ISTD									
113) Hydroquinone		0.279	0.363	0.375	0.369	0.378		0.323	0.348	11.25

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

M2P1539.M Thu May 29 12:41:00 2014 RPT1

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37018.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37018.D Vial: 10
Acq On : 29 May 2014 12:30 pm Operator: olgaa
Sample : icv1539-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 16:31:28 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	0.00	3.62
5	S	2-Fluorophenol	1.368	1.165	14.8	104	0.00	2.53
8	S	Phenol-d5	1.653	1.359	17.8	101	0.00	3.27
24	I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	4.96
25	S	Nitrobenzene-d5	0.357	0.314	12.0	108	-0.01	4.18
47	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00	7.03
51	S	2-Fluorobiphenyl	1.256	1.180	6.1	110	0.00	6.24
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	8.83
73	S	2,4,6-Tribromophenol	0.093	0.067	28.0	74	-0.01	7.98
83	I	Chrysene-d12	1.000	1.000	0.0	98	-0.01	12.57
85	S	Terphenyl-d14	0.796	0.775	2.6	95	0.00	11.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37001.D M2P1539.M Thu May 29 16:37:44 2014 RPT1

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37019A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37019a.D Vial: 11
Acq On : 29 May 2014 12:53 pm Operator: olgaa
Sample : icv1540-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 16:56:51 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	86	0.00	3.62
103	Benzaldehyde	1.061	1.078	-1.6	88	0.00	3.22
104	Acenaphthene-d10a	1.000	1.000	0.0	89	0.00	7.03
105	Atrazine	0.139	0.134	3.6	77	0.00	8.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Thu May 29 16:58:16 2014 RPT1

8.7.4

8

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37019.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37019.D Vial: 11
Acq On : 29 May 2014 12:53 pm Operator: olgaa
Sample : icv1539-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri May 30 09:21:22 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	102	0.00	3.62
2	t	1,4-Dioxane	0.597	0.512	14.2	87	0.00	1.62
6	t	Indene	2.631	2.237	15.0	90	0.00	3.88
7	t	Cumene	3.781	3.078	18.6	83	0.00	2.92
13	t	Decane	1.530	1.197	21.8	85	0.00	3.47
18	t	Acetophenone	2.166	1.722	20.5	86	0.00	4.02
24	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00	4.96
27	t	Quinoline	0.850	0.661	22.2	81	-0.02	5.36
40	t	2,3-Dichloroaniline	0.419	0.275	34.4#	68	0.00	6.13
41	t	Caprolactam	0.120	0.087	27.5	69	-0.05	5.43
45	t	1-Methylnaphthalene	0.700	0.543	22.4	80	0.00	5.91
46	t	Dimethylnaphthalene	0.678	0.524	22.7	80	0.00	6.54
47	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00	7.03
48	t	Hexachlorocyclopentadiene	0.290	0.252	13.1	72	0.00	5.99
53	t	Biphenyl	1.745	1.409	19.3	81	0.00	6.35
69	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00	8.83
82	t	Octadecane	0.368	0.297	19.3	77	0.00	8.79
92	I	Perylene-d12	1.000	1.000	0.0	90	-0.01	14.62
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	39.782	20.4	70	-0.02	14.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Fri May 30 13:37:08 2014 RPT1

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37020A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37020a.D Vial: 12
Acq On : 29 May 2014 1:24 pm Operator: olgaa
Sample : icv1540-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 16:56:51 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
104	Acenaphthene-d10a	1.000	1.000	0.0	94	0.00	7.03
106	1,2,4,5-Tetrachlorobenzen	0.551	0.573	-4.0	96	0.00	5.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Thu May 29 16:59:56 2014 RPT1

8.7.6

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37020.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37020.D Vial: 12
Acq On : 29 May 2014 1:24 pm Operator: olgaa
Sample : icv1539-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri May 30 09:21:22 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	112	0.00	3.62
3	t	Pyridine	1.537	1.223	20.4	90	0.00	1.78
4	t	N-Nitrosodimethylamine	0.769	0.677	12.0	99	0.00	1.75
11	t	bis(2-Chloroethyl)ether	1.235	1.165	5.7	109	0.00	3.36
14	t	1,3-Dichlorobenzene	1.635	1.474	9.8	104	0.00	3.57
15	t	1,4-Dichlorobenzene	1.620	1.437	11.3	102	0.00	3.64
16	t	Benzyl alcohol	0.904	0.794	12.2	98	0.00	3.75
17	t	1,2-Dichlorobenzene	1.521	1.340	11.9	103	0.00	3.79
20	t	2,2'-oxybis(1-Chloropropa	0.394	0.361	8.4	108	0.00	3.89
22	t	n-Nitroso-di-n-propylamin	0.814	0.783	3.8	108	-0.01	4.03
23	t	Hexachloroethane	0.504	0.439	12.9	101	0.00	4.14
24	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	4.97
26	t	Nitrobenzene	0.367	0.324	11.7	98	0.00	4.20
28	t	Isophorone	0.628	0.545	13.2	95	-0.01	4.45
32	t	bis(2-Chloroethoxy)methan	0.389	0.378	2.8	107	0.00	4.70
36	t	1,2,4-Trichlorobenzene	0.324	0.296	8.6	100	0.00	4.91
38	t	Naphthalene	1.068	0.947	11.3	98	0.00	4.99
42	t	Hexachlorobutadiene	0.158	0.145	8.2	100	0.00	5.15
44	t	2-Methylnaphthalene	0.619	0.563	9.0	99	0.00	5.79
47	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	7.03
52	t	2-Chloronaphthalene	1.186	1.123	5.3	102	0.00	6.36
54	t	2-Nitroaniline	0.342	0.307	10.2	89	0.00	6.50
55	t	Dimethylphthalate	1.298	1.191	8.2	99	0.00	6.74
56	t	Acenaphthylene	1.952	1.520	22.1	81	0.00	6.85
57	t	2,6-Dinitrotoluene	0.276	0.246	10.9	86	0.00	6.80
58	t	3-Nitroaniline	0.372	0.294	21.0	79	0.00	6.99
59	t	Acenaphthene	1.216	1.129	7.2	97	0.00	7.07
62	t	Dibenzofuran	1.611	1.466	9.0	99	0.00	7.28
63	t	2,4-Dinitrotoluene	0.363	0.315	13.2	84	0.00	7.28
65	t	Diethylphthalate	1.354	1.247	7.9	96	-0.01	7.60
66	t	Fluorene	1.306	1.225	6.2	99	0.00	7.69
67	t	4-Chlorophenyl-phenylethe	0.534	0.502	6.0	100	0.00	7.71
68	t	4-Nitroaniline	0.362	0.315	13.0	89	-0.01	7.73
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	8.83
71	t	n-Nitrosodiphenylamine	0.556	0.510	8.3	97	0.00	7.86
72	t	1,2-Diphenylhydrazine	0.869	0.760	12.5	94	0.00	7.90
74	t	4-Bromophenyl-phenylether	0.196	0.182	7.1	97	0.00	8.30

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37020.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

75	t	Hexachlorobenzene	0.231	0.201	13.0	93	0.00	8.36
77	t	Phenanthrene	1.164	1.039	10.7	96	0.00	8.86
78	t	Anthracene	1.146	1.042	9.1	96	0.00	8.92
79	t	Carbazole	1.336	1.039	22.2	82	0.00	9.14
80	t	Di-n-butylphthalate	1.447	1.319	8.8	91	0.00	9.67
81	t	Fluoranthene	1.228	1.092	11.1	91	0.00	10.45
83	I	Chrysene-d12	1.000	1.000	0.0	96	0.00	12.57
84	t	Pyrene	1.395	1.286	7.8	89	0.00	10.76
86	t	Butylbenzylphthalate	0.654	0.659	-0.8	86	0.00	11.82
88	t	Benzo[a]anthracene	1.183	1.068	9.7	87	0.00	12.56
90	t	Chrysene	1.031	0.987	4.3	93	-0.01	12.61
91	t	bis(2-Ethylhexyl)phthalat	0.876	0.859	1.9	85	0.00	12.75
92	I	Perylene-d12	1.000	1.000	0.0	98	0.00	14.63
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	42.190	15.6	83	0.00	13.71
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.300	1.154	11.2	80	-0.01	14.11
95	t	Benzo[k]fluoranthene	1.187	1.141	3.9	92	-0.01	14.16
96	t	Benzo[a]pyrene	1.102	1.067	3.2	88	-0.01	14.55
97	t	Indeno[1,2,3-cd]pyrene	1.318	1.262	4.2	85	-0.02	16.08
99	t	Dibenz[a,h]anthracene	1.052	1.011	3.9	87	-0.01	16.13
101	t	Benzo[g,h,i]perylene	1.073	1.055	1.7	88	-0.01	16.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Fri May 30 09:24:39 2014 RPT1

8.7.7

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37022.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37022.D Vial: 14
Acq On : 29 May 2014 2:43 pm Operator: olgaa
Sample : icv1539-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 16:41:02 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	0.00	3.62
10		Aniline	1.890	2.017	-6.7	160	0.00	3.31
24	I	Naphthalene-d8	1.000	1.000	0.0	136	0.00	4.97
39	t	4-Chloroaniline	0.464	0.458	1.3	139	0.00	5.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Thu May 29 16:50:02 2014 RPT1

8.7.8

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37023.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37023.D Vial: 15
Acq On : 29 May 2014 3:06 pm Operator: olgaa
Sample : icv1539-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 16:41:02 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	190	0.00	12.57
89 t	3,3'-Dichlorobenzidine	0.381	0.373	2.1	169	0.00	12.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Thu May 29 16:51:21 2014 RPT1

8.7.9

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37023A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\2P1540\2p37023a.D          Vial: 15
  Acq On    : 29 May 2014   3:06 pm                    Operator: olgaa
  Sample    : icv1540-50                               Inst    : MS2P
  Misc      : op75027,e2p1540,                         Multiplr: 1.00
  MS Integration Params: lscint.p

  Method       : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
  Title        : Semi Volatile Extractables by GC/MS
  Last Update  : Thu May 29 16:56:51 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107 I	Chrysene-d12a	1.000	1.000	0.0	175	0.00	12.57
109	Benzidine	0.707	0.766	-8.3	165	0.00	10.68

```
   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    2p37012.D  M2P1539.M        Thu May 29 17:02:08 2014   RPT1
```

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1540-ICV1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37024.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1540\2p37024.D Vial: 16
Acq On : 29 May 2014 3:29 pm Operator: olgaa
Sample : icv1540-50 Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu May 29 16:41:02 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	107	0.00	4.97
113	Hydroquinone	0.348	0.361	-3.7	103	0.00	5.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Thu May 29 16:52:27 2014 RPT1

8.7.11

8

Initial Calibration Verification

Job Number: JB67976 **Sample:** E2P1541-ICV1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37028.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1541\2p37028.D Vial: 3
Acq On : 29 May 2014 7:03 pm Operator: ashleyd
Sample : icv1539-50 Inst : MS2P
Misc : op75027,e2p1541 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri May 30 09:21:22 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	105	0.00	3.62
9	t	Phenol	1.773	1.653	6.8	99	-0.01	3.27
12	t	2-Chlorophenol	1.511	1.468	2.8	104	0.00	3.42
19	t	2-Methylphenol	1.237	1.227	0.8	106	-0.01	3.86
21	t	3&4-Methylphenol	1.286	1.259	2.1	107	-0.02	4.01
24	I	Naphthalene-d8	1.000	1.000	0.0	100	-0.01	4.96
29	t	2-Nitrophenol	0.191	0.193	-1.0	97	-0.02	4.53
30	t	2,4-Dimethylphenol	0.297	0.354	-19.2	109	-0.01	4.59
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	42.437	15.1	83	-0.03	4.73
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.290	0.290	0.0	101	-0.01	4.80
34	t	2,6-Dichlorophenol	0.275	0.286	-4.0	105	-0.01	5.06
43	t	4-Chloro-3-methylphenol	0.307	0.294	4.2	95	-0.03	5.62
47	I	Acenaphthene-d10	1.000	1.000	0.0	101	-0.01	7.02
49	t	2,4,6-Trichlorophenol	0.334	0.354	-6.0	103	-0.01	6.13
50	t	2,4,5-Trichlorophenol	0.372	0.375	-0.8	99	-0.02	6.16
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	70.900	29.1	54	-0.02	7.11
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.166	0.176	-6.0	92	-0.01	7.21
64		2,3,4,6-Tetrachlorophenol	0.243	0.261	-7.4	94	-0.01	7.43
69	I	Phenanthrene-d10	1.000	1.000	0.0	95	-0.01	8.82
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	42.463	15.1	80	-0.02	7.75
76	t	Pentachlorophenol	100.000	97.998	2.0	88	-0.02	8.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Fri May 30 09:32:48 2014 RPT1

8.7.12
8

Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1551-CC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37280.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1551\2p37280.D Vial: 2
Acq On : 5 Jun 2014 11:20 pm Operator: ashleyd
Sample : cc1539-25 Inst : MS2P
Misc : op75027,e2p1551 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 02 11:01:32 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	-0.03	3.60
2	t	1,4-Dioxane	0.597	0.610	-2.2	75	-0.03	1.59
3	t	Pyridine	1.537	1.457	5.2	70	-0.03	1.75
4	t	N-Nitrosodimethylamine	0.769	0.746	3.0	71	-0.03	1.72
5	S	2-Fluorophenol	1.368	1.346	1.6	71	-0.02	2.51
6	t	Indene	2.631	2.822	-7.3	78	-0.03	3.85
7	t	Cumene	3.781	3.995	-5.7	76	-0.03	2.89
8	S	Phenol-d5	1.653	1.619	2.1	72	0.00	3.27
9	t	Phenol	1.773	1.841	-3.8	77	0.00	3.28
10		Aniline	1.890	1.716	9.2	69	-0.03	3.29
11	t	bis(2-Chloroethyl)ether	1.235	1.206	2.3	72	-0.03	3.34
12	t	2-Chlorophenol	1.511	1.528	-1.1	75	-0.02	3.40
13	t	Decane	1.530	1.709	-11.7	80	-0.04	3.44
14	t	1,3-Dichlorobenzene	1.635	1.625	0.6	73	-0.03	3.54
15	t	1,4-Dichlorobenzene	1.620	1.649	-1.8	75	-0.03	3.61
16	t	Benzyl alcohol	0.904	0.866	4.2	70	-0.03	3.73
17	t	1,2-Dichlorobenzene	1.521	1.553	-2.1	75	-0.03	3.76
18	t	Acetophenone	2.166	2.343	-8.2	80	-0.03	4.00
19	t	2-Methylphenol	1.237	1.293	-4.5	76	-0.01	3.86
20	t	2,2'-oxybis(1-Chloropropa	0.394	0.398	-1.0	75	-0.03	3.86
21	t	3&4-Methylphenol	1.286	1.336	-3.9	76	-0.01	4.02
22	t	n-Nitroso-di-n-propylamin	0.814	0.949	-16.6	82	-0.04	4.00
23	t	Hexachloroethane	0.504	0.541	-7.3	80	-0.04	4.10
24	I	Naphthalene-d8	1.000	1.000	0.0	76	-0.03	4.94
25	S	Nitrobenzene-d5	0.357	0.376	-5.3	80	-0.03	4.15
26	t	Nitrobenzene	0.367	0.399	-8.7	82	-0.03	4.17
27	t	Quinoline	0.850	0.834	1.9	74	-0.03	5.35
28	t	Isophorone	0.628	0.652	-3.8	77	-0.04	4.43
29	t	2-Nitrophenol	0.191	0.213	-11.5	81	-0.03	4.52
30	t	2,4-Dimethylphenol	0.297	0.334	-12.5	78	-0.02	4.59
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	25.000	26.682	-6.7	91	-0.03	4.73
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.389	0.381	2.1	74	-0.04	4.67
33	t	2,4-Dichlorophenol	0.290	0.296	-2.1	76	-0.01	4.80
34	t	2,6-Dichlorophenol	0.275	0.291	-5.8	78	-0.02	5.05
35		1,3,5-Trichlorobenzene	0.384	0.404	-5.2	79	-0.03	4.53
36	t	1,2,4-Trichlorobenzene	0.324	0.330	-1.9	78	-0.03	4.88
37		1,2,3-Trichlorobenzene	0.356	0.362	-1.7	77	-0.03	5.13

8.7.13

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Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1551-CC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37280.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.068	1.072	-0.4	76	-0.03	4.96
39	t	4-Chloroaniline	0.464	0.446	3.9	72	-0.03	5.04
40	t	2,3-Dichloroaniline	0.419	0.424	-1.2	76	-0.02	6.11
41	t	Caprolactam	0.120	0.122	-1.7	74	-0.04	5.44
42	t	Hexachlorobutadiene	0.158	0.171	-8.2	82	-0.04	5.11
43	t	4-Chloro-3-methylphenol	0.307	0.329	-7.2	79	0.00	5.65
44	t	2-Methylnaphthalene	0.619	0.630	-1.8	76	-0.03	5.76
45	t	1-Methylnaphthalene	0.700	0.722	-3.1	77	-0.03	5.88
46	t	Dimethylnaphthalene	0.678	0.703	-3.7	77	-0.03	6.51
47	I	Acenaphthene-d10	1.000	1.000	0.0	80	-0.03	7.00
48	t	Hexachlorocyclopentadiene	0.290	0.291	-0.3	69	-0.04	5.96
49	t	2,4,6-Trichlorophenol	0.334	0.372	-11.4	83	-0.01	6.13
50	t	2,4,5-Trichlorophenol	0.372	0.408	-9.7	83	0.00	6.18
51	S	2-Fluorobiphenyl	1.256	1.233	1.8	77	-0.03	6.21
52	t	2-Chloronaphthalene	1.186	1.196	-0.8	78	-0.03	6.34
53	t	Biphenyl	1.745	1.784	-2.2	78	-0.03	6.33
54	t	2-Nitroaniline	0.342	0.411	-20.2#	89	-0.02	6.48
55	t	Dimethylphthalate	1.298	1.311	-1.0	80	-0.03	6.71
56	t	Acenaphthylene	1.952	1.961	-0.5	77	-0.03	6.83
57	t	2,6-Dinitrotoluene	0.276	0.306	-10.9	81	-0.02	6.78
58	t	3-Nitroaniline	0.372	0.375	-0.8	76	-0.02	6.98
59	t	Acenaphthene	1.216	1.216	0.0	78	-0.03	7.04
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	56.533	-13.1	99	0.00	7.12
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.219	-31.9#	91	0.04	7.26
62	t	Dibenzofuran	1.611	1.641	-1.9	80	-0.03	7.26
63	t	2,4-Dinitrotoluene	0.363	0.418	-15.2	82	-0.01	7.27
64		2,3,4,6-Tetrachlorophenol	0.243	0.299	-23.0#	87	-0.01	7.43
65	t	Diethylphthalate	1.354	1.421	-4.9	82	-0.04	7.57
66	t	Fluorene	1.306	1.346	-3.1	79	-0.03	7.67
67	t	4-Chlorophenyl-phenylethe	0.534	0.562	-5.2	82	-0.03	7.68
68	t	4-Nitroaniline	0.362	0.350	3.3	73	-0.02	7.72
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	-0.02	8.81
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	25.000	29.211	-16.8	102	0.00	7.77
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.556	0.543	2.3	79	-0.03	7.83
72	t	1,2-Diphenylhydrazine	0.869	0.876	-0.8	79	-0.03	7.87
73	S	2,4,6-Tribromophenol	0.093	0.106	-14.0	94	-0.02	7.97
74	t	4-Bromophenyl-phenylether	0.196	0.195	0.5	82	-0.03	8.27
75	t	Hexachlorobenzene	0.231	0.234	-1.3	83	-0.02	8.35
			True	Calc.	% Drift			
76	t	Pentachlorophenol	50.000	49.528	0.9	83	0.00	8.61
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.164	1.137	2.3	79	-0.03	8.84
78	t	Anthracene	1.146	1.142	0.3	79	-0.03	8.90
79	t	Carbazole	1.336	1.318	1.3	78	-0.02	9.13
80	t	Di-n-butylphthalate	1.447	1.548	-7.0	82	-0.03	9.64
81	t	Fluoranthene	1.228	1.229	-0.1	79	-0.02	10.44
82	t	Octadecane	0.368	0.435	-18.2	89	-0.04	8.75

Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1551-CC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37280.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	81	-0.01	12.57
84	t	Pyrene	1.395	1.405	-0.7	78	-0.02	10.75
85	S	Terphenyl-d14	0.796	0.833	-4.6	82	-0.03	11.02
86	t	Butylbenzylphthalate	0.654	0.764	-16.8	85	-0.04	11.79
87		Butyl stearate	0.342	0.425	-24.3#	83	-0.04	11.95
88	t	Benzo[a]anthracene	1.183	1.181	0.2	79	-0.01	12.55
89	t	3,3'-Dichlorobenzidine	0.381	0.449	-17.8	85	-0.02	12.55
90	t	Chrysene	1.031	1.003	2.7	77	-0.02	12.60
91	t	bis(2-Ethylhexyl)phthalat	0.876	0.999	-14.0	83	-0.04	12.71
92	I	Perylene-d12	1.000	1.000	0.0	67	0.00	14.64
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	25.000	28.561	-14.2	80	-0.03	13.68
		----------	AvgRF	CCRF	% Dev	----------		
94	t	Benzo[b]fluoranthene	1.300	1.423	-9.5	69	0.00	14.12
95	t	Benzo[k]fluoranthene	1.187	1.312	-10.5	70	0.00	14.16
96	t	Benzo[a]pyrene	1.102	1.157	-5.0	66	0.00	14.56
97	t	Indeno[1,2,3-cd]pyrene	1.318	1.374	-4.2	64	0.01	16.11
98	t	Dibenz(a,h)acridine	1.126	1.135	-0.8	64	0.00	15.77
99	t	Dibenz[a,h]anthracene	1.052	1.113	-5.8	65	0.00	16.14
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	25.000	25.105	-0.4	71	-0.02	14.12
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.073	1.091	-1.7	63	0.02	16.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37013.D M2P1539.M Fri Jun 06 09:37:41 2014 RPT1

8.7.13

8

Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1551-CC1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37281.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1551\2p37281.D Vial: 3
Acq On : 5 Jun 2014 11:44 pm Operator: ashleyd
Sample : cc1540-25 Inst : MS2P
Misc : op75027,e2p1551 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 02 11:01:32 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	85	-0.03	3.59
103	Benzaldehyde	1.061	0.918	13.5	70	-0.03	3.19
104	Acenaphthene-d10a	1.000	1.000	0.0	89	-0.03	7.00
105	Atrazine	0.139	0.153	-10.1	94	-0.03	8.51
106	1,2,4,5-Tetrachlorobenzen	0.551	0.537	2.5	86	-0.03	5.97
107 I	Chrysene-d12a	1.000	1.000	0.0	87	-0.02	12.56
108	Benzidine	0.707	0.583	17.5	61	-0.02	10.66
109 I	Naphthalene-d8a	1.000	1.000	0.0	87	-0.03	4.93
110	Hydroquinone	0.348	0.322	7.5	77	0.01	5.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37013.D M2P1539.M Fri Jun 06 11:56:23 2014 RPT1

8.7.14

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Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1552-CC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37312.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1552\2p37312.D Vial: 2
Acq On : 6 Jun 2014 11:23 am Operator: andrews1
Sample : cc1539-50 Inst : MS2P
Misc : op75027,e2p1552 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 02 11:01:32 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.03	3.60
2	t	1,4-Dioxane	0.597	0.543	9.0	91	-0.04	1.58
3	t	Pyridine	1.537	1.392	9.4	93	-0.03	1.75
4	t	N-Nitrosodimethylamine	0.769	0.714	7.2	94	-0.03	1.72
5	S	2-Fluorophenol	1.368	1.264	7.6	93	-0.01	2.51
6	t	Indene	2.631	2.675	-1.7	107	-0.03	3.85
7	t	Cumene	3.781	3.881	-2.6	104	-0.04	2.89
8	S	Phenol-d5	1.653	1.550	6.2	96	0.00	3.28
9	t	Phenol	1.773	1.863	-5.1	108	0.00	3.29
10		Aniline	1.890	1.450	23.3#	85	-0.02	3.29
11	t	bis(2-Chloroethyl)ether	1.235	1.163	5.8	98	-0.03	3.34
12	t	2-Chlorophenol	1.511	1.452	3.9	100	-0.02	3.41
13	t	Decane	1.530	1.428	6.7	100	-0.04	3.43
14	t	1,3-Dichlorobenzene	1.635	1.567	4.2	100	-0.03	3.54
15	t	1,4-Dichlorobenzene	1.620	1.614	0.4	104	-0.03	3.61
16	t	Benzyl alcohol	0.904	0.819	9.4	91	-0.02	3.74
17	t	1,2-Dichlorobenzene	1.521	1.483	2.5	103	-0.03	3.76
18	t	Acetophenone	2.166	2.203	-1.7	109	-0.03	4.00
19	t	2-Methylphenol	1.237	1.188	4.0	100	0.00	3.87
20	t	2,2'-oxybis(1-Chloropropa	0.394	0.366	7.1	99	-0.04	3.86
21	t	3&4-Methylphenol	1.286	1.270	1.2	104	0.00	4.03
22	t	n-Nitroso-di-n-propylamin	0.814	0.854	-4.9	107	-0.03	4.00
23	t	Hexachloroethane	0.504	0.528	-4.8	110	-0.04	4.10
24	I	Naphthalene-d8	1.000	1.000	0.0	103	-0.03	4.94
25	S	Nitrobenzene-d5	0.357	0.351	1.7	104	-0.03	4.16
26	t	Nitrobenzene	0.367	0.369	-0.5	108	-0.02	4.18
27	t	Quinoline	0.850	0.828	2.6	103	-0.02	5.36
28	t	Isophorone	0.628	0.590	6.1	100	-0.03	4.43
29	t	2-Nitrophenol	0.191	0.215	-12.6	111	-0.03	4.52
30	t	2,4-Dimethylphenol	0.297	0.328	-10.4	104	-0.01	4.59
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	46.064	7.9	93	0.02	4.77
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.389	0.359	7.7	98	-0.03	4.68
33	t	2,4-Dichlorophenol	0.290	0.286	1.4	102	0.00	4.81
34	t	2,6-Dichlorophenol	0.275	0.289	-5.1	109	-0.02	5.05
35		1,3,5-Trichlorobenzene	0.384	0.404	-5.2	112	-0.03	4.53
36	t	1,2,4-Trichlorobenzene	0.324	0.326	-0.6	107	-0.03	4.88
37		1,2,3-Trichlorobenzene	0.356	0.365	-2.5	109	-0.03	5.13

8.7.15

8

Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1552-CC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37312.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

38	t	Naphthalene	1.068	1.023	4.2	102	-0.03	4.96
39	t	4-Chloroaniline	0.464	0.423	8.8	97	-0.02	5.05
40	t	2,3-Dichloroaniline	0.419	0.426	-1.7	106	-0.02	6.11
41	t	Caprolactam	0.120	0.113	5.8	92	0.00	5.47
42	t	Hexachlorobutadiene	0.158	0.169	-7.0	113	-0.04	5.11
43	t	4-Chloro-3-methylphenol	0.307	0.317	-3.3	104	0.01	5.66
44	t	2-Methylnaphthalene	0.619	0.631	-1.9	107	-0.03	5.76
45	t	1-Methylnaphthalene	0.700	0.711	-1.6	106	-0.03	5.88
46	t	Dimethylnaphthalene	0.678	0.714	-5.3	111	-0.03	6.51
47	I	Acenaphthene-d10	1.000	1.000	0.0	108	-0.03	7.00
48	t	Hexachlorocyclopentadiene	0.290	0.298	-2.8	96	-0.04	5.96
49	t	2,4,6-Trichlorophenol	0.334	0.353	-5.7	111	-0.01	6.13
50	t	2,4,5-Trichlorophenol	0.372	0.406	-9.1	115	0.00	6.19
51	S	2-Fluorobiphenyl	1.256	1.227	2.3	111	-0.03	6.21
52	t	2-Chloronaphthalene	1.186	1.152	2.9	112	-0.03	6.34
53	t	Biphenyl	1.745	1.740	0.3	112	-0.03	6.33
54	t	2-Nitroaniline	0.342	0.366	-7.0	113	-0.01	6.49
55	t	Dimethylphthalate	1.298	1.267	2.4	111	-0.03	6.71
56	t	Acenaphthylene	1.952	1.894	3.0	107	-0.03	6.83
57	t	2,6-Dinitrotoluene	0.276	0.302	-9.4	112	-0.02	6.79
58	t	3-Nitroaniline	0.372	0.362	2.7	103	0.00	6.99
59	t	Acenaphthene	1.216	1.192	2.0	109	-0.03	7.04
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	108.108	-8.1	118	0.00	7.13
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.166	0.164	1.2	92	0.06	7.28
62	t	Dibenzofuran	1.611	1.589	1.4	114	-0.03	7.26
63	t	2,4-Dinitrotoluene	0.363	0.403	-11.0	114	0.00	7.28
64		2,3,4,6-Tetrachlorophenol	0.243	0.300	-23.5#	117	0.00	7.43
65	t	Diethylphthalate	1.354	1.304	3.7	106	-0.04	7.57
66	t	Fluorene	1.306	1.336	-2.3	115	-0.03	7.67
67	t	4-Chlorophenyl-phenylethe	0.534	0.551	-3.2	116	-0.03	7.68
68	t	4-Nitroaniline	0.362	0.345	4.7	103	0.00	7.74
69	I	Phenanthrene-d10	1.000	1.000	0.0	107	-0.02	8.81
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	57.112	-14.2	124	0.00	7.77
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.556	0.554	0.4	109	-0.03	7.83
72	t	1,2-Diphenylhydrazine	0.869	0.813	6.4	103	-0.03	7.88
73	S	2,4,6-Tribromophenol	0.093	0.118	-26.9#	132	-0.02	7.97
74	t	4-Bromophenyl-phenylether	0.196	0.212	-8.2	117	-0.03	8.27
75	t	Hexachlorobenzene	0.231	0.256	-10.8	122	-0.02	8.35
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	97.645	2.4	105	0.00	8.61
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.164	1.129	3.0	108	-0.02	8.84
78	t	Anthracene	1.146	1.190	-3.8	114	-0.02	8.91
79	t	Carbazole	1.336	1.318	1.3	108	0.00	9.14
80	t	Di-n-butylphthalate	1.447	1.559	-7.7	111	-0.04	9.63
81	t	Fluoranthene	1.228	1.299	-5.8	112	-0.02	10.44
82	t	Octadecane	0.368	0.392	-6.5	118	-0.05	8.74

Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1552-CC1539
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37312.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

83	I	Chrysene-d12	1.000	1.000	0.0	113	0.00	12.57
84	t	Pyrene	1.395	1.355	2.9	110	-0.02	10.75
85	S	Terphenyl-d14	0.796	0.818	-2.8	115	-0.03	11.02
86	t	Butylbenzylphthalate	0.654	0.712	-8.9	109	-0.04	11.79
87		Butyl stearate	0.342	0.370	-8.2	106	-0.05	11.94
88	t	Benzo[a]anthracene	1.183	1.152	2.6	110	0.00	12.56
89	t	3,3'-Dichlorobenzidine	0.381	0.441	-15.7	118	0.00	12.56
90	t	Chrysene	1.031	0.981	4.8	108	-0.01	12.61
91	t	bis(2-Ethylhexyl)phthalat	0.876	0.902	-3.0	105	-0.04	12.71
92	I	Perylene-d12	1.000	1.000	0.0	90	0.01	14.64
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	54.678	-9.4	98	-0.04	13.67
			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.300	1.492	-14.8	96	0.02	14.14
95	t	Benzo[k]fluoranthene	1.187	1.352	-13.9	101	0.00	14.17
96	t	Benzo[a]pyrene	1.102	1.175	-6.6	89	0.00	14.56
97	t	Indeno[1,2,3-cd]pyrene	1.318	1.399	-6.1	87	0.03	16.13
98	t	Dibenz(a,h)acridine	1.126	1.176	-4.4	87	0.02	15.79
99	t	Dibenz[a,h]anthracene	1.052	1.180	-12.2	93	0.02	16.16
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	55.168	-10.3	100	-0.01	14.12
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.073	1.043	2.8	80	0.03	16.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Fri Jun 06 15:18:23 2014 RPT1

8.7.15

8

Continuing Calibration Summary

Job Number: JB67976 **Sample:** E2P1552-CC1540
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2P37313.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2P1552\2p37313.D Vial: 3
Acq On : 6 Jun 2014 11:47 am Operator: andrews1
Sample : cc1540-50 Inst : MS2P
Misc : op75027,e2p1552 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2P1539.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 02 11:01:32 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	76	-0.03	3.59
103	Benzaldehyde	1.061	0.904	14.8	65	-0.03	3.19
104	Acenaphthene-d10a	1.000	1.000	0.0	100	-0.03	7.00
105	Atrazine	0.139	0.159	-14.4	103	-0.02	8.51
106	1,2,4,5-Tetrachlorobenzen	0.551	0.498	9.6	89	-0.03	5.97
107 I	Chrysene-d12a	1.000	1.000	0.0	98	-0.02	12.56
108	Benzidine	0.707	0.586	17.1	71	0.00	10.67
109 I	Naphthalene-d8a	1.000	1.000	0.0	81	-0.03	4.93
110	Hydroquinone	0.348	0.327	6.0	70	0.04	5.50

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2p37012.D M2P1539.M Mon Jun 09 08:41:10 2014 RPT1

8.7.16

8

Initial Calibration Summary

Job Number: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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

8.7.21

8

Initial Calibration Verification

Job Number: JB67976 **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

8.7.22

8

Initial Calibration Verification

Job Number: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **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: JB67976 **Sample:** EZ4571-ICV4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z91865.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4571\z91865.D Vial: 16
Acq On : 27 May 2014 5:25 pm Operator: ashleyv
Sample : ICV4569-50, hq Inst : MSZ
Misc : op73791,ez4571 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MZ4569.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Wed May 28 10:28:35 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 202%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	112	0.00	5.13
113	Hydroquinone	0.301	0.372	-23.6	131	0.00	5.64

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z91853.D MZ4569.M Wed May 28 12:22:56 2014 RTE

Initial Calibration Verification

Job Number: JB67976 **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: JB67976 **Sample:** EZ4586-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92216.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4586\z92216.D Vial: 2
Acq On : 6 Jun 2014 10:20 am Operator: ashleyv
Sample : cc4569-50 Inst : MSZ
Misc : op73791,ez4586 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 Jun 06 13:55:00 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	119	0.00	3.64
2		1,4-Dioxane	0.685	0.549	19.9	108	0.00	1.63
3	t	Pyridine	1.774	1.458	17.8	108	0.00	1.80
4	t	N-Nitrosodimethylamine	0.959	0.858	10.5	109	0.00	1.77
5	S	2-Fluorophenol	1.367	1.344	1.7	115	0.00	2.56
6	t	Indene	2.709	2.395	11.6	119	0.00	3.89
7	t	Cumene	3.831	3.445	10.1	120	0.00	2.93
8	S	Phenol-d5	1.722	1.676	2.7	115	0.00	3.32
9	t	Phenol	1.932	1.850	4.2	117	0.00	3.34
10	t	Aniline	2.099	1.617	23.0#	97	0.00	3.34
11	t	bis(2-Chloroethyl)ether	1.354	1.263	6.7	116	0.00	3.38
12	t	2-Chlorophenol	1.540	1.478	4.0	117	0.00	3.45
13	t	Decane	1.832	1.505	17.8	110	0.00	3.48
14	t	1,3-Dichlorobenzene	1.659	1.608	3.1	118	0.00	3.58
15	t	1,4-Dichlorobenzene	1.699	1.608	5.4	115	0.00	3.65
16	t	Benzyl alcohol	0.928	0.942	-1.5	118	0.00	3.79
17	t	1,2-Dichlorobenzene	1.593	1.507	5.4	116	0.00	3.81
18	t	Acetophenone	2.214	1.956	11.7	120	0.00	4.04
19	t	2-Methylphenol	1.297	1.245	4.0	117	0.00	3.91
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.413	7.6	115	0.00	3.90
21	t	3&4-Methylphenol	1.392	1.382	0.7	121	0.00	4.07
22	t	n-Nitroso-di-n-propylamin	0.976	0.973	0.3	122	0.00	4.04
23	t	Hexachloroethane	0.525	0.535	-1.9	123	0.00	4.14
24	I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	4.98
25	S	Nitrobenzene-d5	0.352	0.376	-6.8	126	0.00	4.20
26	t	Nitrobenzene	0.390	0.390	0.0	120	0.00	4.22
27	t	Quinoline	0.801	0.729	9.0	119	0.00	5.39
28	t	Isophorone	0.644	0.650	-0.9	117	0.00	4.47
29	t	2-Nitrophenol	0.182	0.199	-9.3	121	0.00	4.56
30	t	2,4-Dimethylphenol	0.304	0.340	-11.8	122	0.00	4.64
31		Benzoic Acid	0.170	0.209	-22.9#	109	0.00	4.81
32	t	bis(2-Chloroethoxy)methan	0.391	0.371	5.1	115	0.00	4.72
33	t	2,4-Dichlorophenol	0.279	0.289	-3.6	119	0.00	4.84
34		2,6-Dichlorophenol	0.274	0.275	-0.4	120	0.00	5.09
35	t	1,3,5-Trichlorobenzene	0.389	0.339	12.9	117	0.00	4.57
36	t	1,2,4-Trichlorobenzene	0.332	0.327	1.5	119	0.00	4.91
37	t	1,2,3-Trichlorobenzene	0.368	0.324	12.0	120	0.00	5.16
38	t	Naphthalene	1.116	1.040	6.8	117	0.00	5.00
39	t	4-Chloroaniline	0.440	0.393	10.7	107	0.00	5.08
40	t	2,3-Dichloroaniline	0.382	0.353	7.6	123	0.00	6.14
41	t	Caprolactam	0.186	0.180	3.2	119	0.00	5.51

Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4586-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92216.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.184	-2.2	126	0.00	5.15
43	t	4-Chloro-3-methylphenol	0.296	0.325	-9.8	124	0.00	5.69
44	t	2-Methylnaphthalene	0.606	0.591	2.5	119	0.00	5.79
45	t	1-Methylnaphthalene	0.668	0.589	11.8	118	0.00	5.91
46	t	Dimethylnaphthalene	0.676	0.622	8.0	120	0.00	6.54
47	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	7.03
48	t	Hexachlorocyclopentadiene	0.316	0.335	-6.0	117	0.00	5.99
49	t	2,4,6-Trichlorophenol	0.347	0.381	-9.8	127	0.00	6.16
50	t	2,4,5-Trichlorophenol	0.368	0.407	-10.6	126	0.00	6.21
51	S	2-Fluorobiphenyl	1.268	1.238	2.4	121	0.00	6.24
52	t	2-Chloronaphthalene	1.190	1.168	1.8	120	0.00	6.37
53	t	Biphenyl	1.692	1.519	10.2	120	0.00	6.36
54	t	2-Nitroaniline	0.326	0.397	-21.8#	131	0.00	6.52
55	t	Dimethylphthalate	1.271	1.289	-1.4	123	0.00	6.75
56	t	Acenaphthylene	1.869	1.908	-2.1	120	0.00	6.86
57	t	2,6-Dinitrotoluene	0.260	0.311	-19.6	126	0.00	6.81
58	t	3-Nitroaniline	0.329	0.352	-7.0	115	0.00	7.02
59	t	Acenaphthene	1.183	1.147	3.0	120	0.00	7.07
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	100.073	-0.1	127	0.00	7.14
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.149	0.206	-38.3#	154	0.00	7.30
62	t	Dibenzofuran	1.641	1.617	1.5	122	0.00	7.28
63	t	2,4-Dinitrotoluene	0.355	0.426	-20.0#	128	0.00	7.29
64		2,3,4,6-Tetrachlorophenol	0.298	0.339	-13.8	128	0.00	7.45
65	t	Diethylphthalate	1.237	1.334	-7.8	127	0.00	7.59
66	t	Fluorene	1.283	1.301	-1.4	123	0.00	7.69
67	t	4-Chlorophenyl-phenylethe	0.601	0.597	0.7	123	0.00	7.70
68	t	4-Nitroaniline	0.330	0.357	-8.2	116	0.00	7.76
69	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00	8.82
70	t	4,6-Dinitro-2-methylpheno	0.128	0.149	-16.4	134	0.00	7.78
71	t	n-Nitrosodiphenylamine	0.507	0.524	-3.4	124	0.00	7.86
72	t	1,2-Diphenylhydrazine	0.788	0.819	-3.9	122	0.00	7.89
73	S	2,4,6-Tribromophenol	0.098	0.121	-23.5#	132	0.00	7.98
74	t	4-Bromophenyl-phenylether	0.205	0.209	-2.0	125	0.00	8.28
75	t	Hexachlorobenzene	0.245	0.253	-3.3	128	0.00	8.35
76	t	Pentachlorophenol	0.125	0.147	-17.6	128	0.00	8.62
77	t	Phenanthrene	1.163	1.127	3.1	121	0.00	8.85
78	t	Anthracene	1.128	1.142	-1.2	123	0.00	8.91
79	t	Carbazole	1.168	1.079	7.6	123	0.00	9.15
80	t	Di-n-butylphthalate	1.147	1.319	-15.0	128	0.00	9.64
81	t	Fluoranthene	1.133	1.195	-5.5	125	0.00	10.43
82	t	Octadecane	0.549	0.526	4.2	118	0.00	8.75
83	I	Chrysene-d12	1.000	1.000	0.0	124	0.00	12.54
84	t	Pyrene	1.220	1.257	-3.0	124	0.00	10.75
85		Butyl stearate	0.329	0.382	-16.1	121	0.00	11.92
86	S	Terphenyl-d14	0.804	0.860	-7.0	128	0.00	11.01
87	t	Butylbenzylphthalate	0.492	0.598	-21.5#	135	0.00	11.78
88	t	Benzo[a]anthracene	1.100	1.174	-6.7	129	0.00	12.53
89	t	3,3'-Dichlorobenzidine	0.362	0.424	-17.1	127	0.00	12.54
90	t	Chrysene	1.092	1.086	0.5	123	0.00	12.58
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.822	-23.1#	136	0.00	12.68
92	I	Perylene-d12	1.000	1.000	0.0	125	0.00	14.59

Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4586-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92216.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	56.314	-12.6	143	0.00	13.64

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.306	-9.6	131	0.00	14.08
95	t	Benzo[k]fluoranthene	1.231	1.182	4.0	119	0.00	14.12
96	t	Benzo[a]pyrene	1.059	1.122	-5.9	126	0.00	14.51
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.172	-14.8	132	0.00	16.02
98	t	Dibenz(a,h)acridine	0.995	1.024	-2.9	129	0.00	15.70
99	t	Dibenz[a,h]anthracene	1.077	1.141	-5.9	125	0.00	16.06
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.578	-24.6#	127	0.00	14.09
101	t	Benzo[g,h,i]perylene	1.064	1.088	-2.3	125	0.00	16.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92216.D MZ4569.M Fri Jun 06 13:55:52 2014 RTE

8.7.29

8

Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4586-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92217.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4586\z92217.D Vial: 3
Acq On : 6 Jun 2014 10:48 am Operator: ashleyv
Sample : cc4571-50 Inst : MSZ
Misc : op73791,ez4586 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 Jun 06 13:55:00 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	79	0.00	3.64
103	Benzaldehyde	0.939	0.873	7.0	71	-0.20	3.24
104	Phenanthrene-d10a	1.000	1.000	0.0	82	-0.01	8.81
		True	Calc.	% Drift			
105	Atrazine	50.000	61.383	-22.8#	91	0.00	8.52
		AvgRF	CCRF	% Dev			
106	Chrysene-d12a	1.000	1.000	0.0	85	-0.01	12.53
107	Benzidine	0.411	0.393	4.4	88	0.00	10.66
108	Acenaphthene-d10a	1.000	1.000	0.0	79	0.00	7.02
109	1,2,4,5-Tetrachlorobenzen	0.483	0.559	-15.7	85	-0.09	5.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92216.D MZ4569.M Fri Jun 06 13:57:55 2014 RTE

8.7.30

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Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4589-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92287.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4589\z92287.D Vial: 2
Acq On : 9 Jun 2014 9:23 am Operator: ashleyv
Sample : cc4569-25 Inst : MSZ
Misc : op73791,ez4589 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 Jun 06 13:55:00 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	111	-0.02	3.61
2		1,4-Dioxane	0.685	0.605	11.7	108	0.00	1.62
3	t	Pyridine	1.774	1.562	12.0	108	-0.02	1.78
4	t	N-Nitrosodimethylamine	0.959	0.915	4.6	107	-0.01	1.76
5	S	2-Fluorophenol	1.367	1.392	-1.8	111	-0.02	2.55
6	t	Indene	2.709	2.522	6.9	112	-0.02	3.87
7	t	Cumene	3.831	3.592	6.2	115	-0.02	2.92
8	S	Phenol-d5	1.722	1.733	-0.6	111	-0.02	3.31
9	t	Phenol	1.932	1.960	-1.4	117	-0.02	3.32
10	t	Aniline	2.099	1.897	9.6	96	-0.02	3.32
11	t	bis(2-Chloroethyl)ether	1.354	1.339	1.1	112	-0.02	3.36
12	t	2-Chlorophenol	1.540	1.509	2.0	110	-0.02	3.43
13	t	Decane	1.832	1.726	5.8	116	-0.02	3.45
14	t	1,3-Dichlorobenzene	1.659	1.651	0.5	110	-0.02	3.56
15	t	1,4-Dichlorobenzene	1.699	1.668	1.8	111	-0.02	3.63
16	t	Benzyl alcohol	0.928	0.962	-3.7	113	-0.03	3.76
17	t	1,2-Dichlorobenzene	1.593	1.552	2.6	110	-0.02	3.79
18	t	Acetophenone	2.214	2.022	8.7	112	-0.03	4.02
19	t	2-Methylphenol	1.297	1.277	1.5	108	-0.02	3.89
20	t	2,2'-oxybis(1-Chloropropa	0.447	0.449	-0.4	113	-0.02	3.88
21	t	3&4-Methylphenol	1.392	1.380	0.9	109	-0.02	4.05
22	t	n-Nitroso-di-n-propylamin	0.976	1.041	-6.7	117	-0.03	4.02
23	t	Hexachloroethane	0.525	0.540	-2.9	112	-0.02	4.12
24	I	Naphthalene-d8	1.000	1.000	0.0	108	-0.03	4.95
25	S	Nitrobenzene-d5	0.352	0.389	-10.5	119	-0.02	4.18
26	t	Nitrobenzene	0.390	0.424	-8.7	116	-0.03	4.19
27	t	Quinoline	0.801	0.734	8.4	107	-0.03	5.36
28	t	Isophorone	0.644	0.701	-8.9	113	-0.03	4.44
29	t	2-Nitrophenol	0.182	0.206	-13.2	114	-0.03	4.53
30	t	2,4-Dimethylphenol	0.304	0.334	-9.9	111	-0.02	4.61
31		Benzoic Acid	0.170	0.257	-51.2#	220#	-0.06	4.75
32	t	bis(2-Chloroethoxy)methan	0.391	0.388	0.8	108	-0.02	4.69
33	t	2,4-Dichlorophenol	0.279	0.293	-5.0	110	-0.02	4.82
34		2,6-Dichlorophenol	0.274	0.284	-3.6	110	-0.03	5.06
35	t	1,3,5-Trichlorobenzene	0.389	0.358	8.0	110	-0.02	4.54
36	t	1,2,4-Trichlorobenzene	0.332	0.338	-1.8	109	-0.02	4.89
37	t	1,2,3-Trichlorobenzene	0.368	0.336	8.7	109	-0.02	5.14
38	t	Naphthalene	1.116	1.089	2.4	107	-0.03	4.97
39	t	4-Chloroaniline	0.440	0.436	0.9	101	-0.03	5.06
40	t	2,3-Dichloroaniline	0.382	0.357	6.5	109	-0.03	6.12
41	t	Caprolactam	0.186	0.183	1.6	113	-0.07	5.44

Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4589-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92287.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.180	0.196	-8.9	118	-0.03	5.13
43	t	4-Chloro-3-methylphenol	0.296	0.321	-8.4	114	-0.03	5.67
44	t	2-Methylnaphthalene	0.606	0.616	-1.7	109	-0.02	5.77
45	t	1-Methylnaphthalene	0.668	0.606	9.3	106	-0.03	5.89
46	t	Dimethylnaphthalene	0.676	0.626	7.4	107	-0.03	6.51
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	-0.03	7.00
48	t	Hexachlorocyclopentadiene	0.316	0.326	-3.2	104	-0.03	5.97
49	t	2,4,6-Trichlorophenol	0.347	0.379	-9.2	112	-0.03	6.13
50	t	2,4,5-Trichlorophenol	0.368	0.399	-8.4	111	-0.03	6.18
51	S	2-Fluorobiphenyl	1.268	1.283	-1.2	108	-0.03	6.22
52	t	2-Chloronaphthalene	1.190	1.224	-2.9	108	-0.03	6.34
53	t	Biphenyl	1.692	1.565	7.5	107	-0.03	6.33
54	t	2-Nitroaniline	0.326	0.421	-29.1#	127	-0.03	6.49
55	t	Dimethylphthalate	1.271	1.294	-1.8	110	-0.03	6.71
56	t	Acenaphthylene	1.869	1.940	-3.8	107	-0.03	6.83
57	t	2,6-Dinitrotoluene	0.260	0.307	-18.1	114	-0.03	6.78
58	t	3-Nitroaniline	0.329	0.355	-7.9	108	-0.03	6.99
59	t	Acenaphthene	1.183	1.163	1.7	106	-0.03	7.04
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	46.403	7.2	111	-0.03	7.11
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.149	0.185	-24.2#	132	-0.02	7.27
62	t	Dibenzofuran	1.641	1.672	-1.9	109	-0.03	7.25
63	t	2,4-Dinitrotoluene	0.355	0.425	-19.7	115	-0.03	7.26
64		2,3,4,6-Tetrachlorophenol	0.298	0.325	-9.1	112	-0.03	7.42
65	t	Diethylphthalate	1.237	1.323	-7.0	113	-0.03	7.56
66	t	Fluorene	1.283	1.332	-3.8	109	-0.03	7.66
67	t	4-Chlorophenyl-phenylethe	0.601	0.599	0.3	106	-0.03	7.67
68	t	4-Nitroaniline	0.330	0.364	-10.3	108	-0.04	7.72
69	I	Phenanthrene-d10	1.000	1.000	0.0	107	-0.03	8.79
70	t	4,6-Dinitro-2-methylpheno	0.128	0.131	-2.3	117	-0.03	7.75
71	t	n-Nitrosodiphenylamine	0.507	0.523	-3.2	106	-0.03	7.82
72	t	1,2-Diphenylhydrazine	0.788	0.861	-9.3	110	-0.03	7.86
73	S	2,4,6-Tribromophenol	0.098	0.118	-20.4#	115	-0.03	7.96
74	t	4-Bromophenyl-phenylether	0.205	0.211	-2.9	109	-0.03	8.26
75	t	Hexachlorobenzene	0.245	0.261	-6.5	110	-0.03	8.33
76	t	Pentachlorophenol	0.125	0.130	-4.0	102	-0.03	8.59
77	t	Phenanthrene	1.163	1.153	0.9	106	-0.03	8.82
78	t	Anthracene	1.128	1.173	-4.0	105	-0.03	8.88
79	t	Carbazole	1.168	1.091	6.6	105	-0.03	9.12
80	t	Di-n-butylphthalate	1.147	1.323	-15.3	115	-0.03	9.61
81	t	Fluoranthene	1.133	1.213	-7.1	109	-0.03	10.40
82	t	Octadecane	0.549	0.582	-6.0	110	-0.03	8.72
83	I	Chrysene-d12	1.000	1.000	0.0	110	-0.04	12.50
84	t	Pyrene	1.220	1.241	-1.7	108	-0.04	10.71
85		Butyl stearate	0.329	0.392	-19.1	115	-0.03	11.88
86	S	Terphenyl-d14	0.804	0.843	-4.9	112	-0.03	10.98
87	t	Butylbenzylphthalate	0.492	0.570	-15.9	121	-0.04	11.74
88	t	Benzo[a]anthracene	1.100	1.155	-5.0	113	-0.04	12.49
89	t	3,3'-Dichlorobenzidine	0.362	0.432	-19.3	116	-0.04	12.50
90	t	Chrysene	1.092	1.092	0.0	108	-0.04	12.54
91	t	bis(2-Ethylhexyl)phthalat	0.668	0.783	-17.2	120	-0.03	12.65
92	I	Perylene-d12	1.000	1.000	0.0	112	-0.04	14.55

8.7.31

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Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4589-CC4569
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92287.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	25.000	29.129	-16.5	133	-0.03	13.60

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.192	1.304	-9.4	115	-0.04	14.04
95	t	Benzo[k]fluoranthene	1.231	1.232	-0.1	110	-0.05	14.07
96	t	Benzo[a]pyrene	1.059	1.137	-7.4	115	-0.04	14.47
97	t	Indeno[1,2,3-cd]pyrene	1.021	1.160	-13.6	123	-0.05	15.97
98	t	Dibenz(a,h)acridine	0.995	1.046	-5.1	122	-0.05	15.65
99	t	Dibenz[a,h]anthracene	1.077	1.181	-9.7	117	-0.05	16.00
100	t	7,12-Dimethylbenz(a)anthr	0.464	0.540	-16.4	109	-0.05	14.04
101	t	Benzo[g,h,i]perylene	1.064	1.135	-6.7	116	-0.06	16.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92189.D MZ4569.M Tue Jun 10 09:31:10 2014 RTE

8.7.31

8

Continuing Calibration Summary

Job Number: JB67976 **Sample:** EZ4589-CC4571
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Z92288.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\ez4589\z92288.D Vial: 3
Acq On : 9 Jun 2014 9:49 am Operator: ashleyv
Sample : cc4571-25 Inst : MSZ
Misc : op73791,ez4589 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 Jun 06 13:55:00 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	92	-0.02	3.61
103	Benzaldehyde	0.939	1.129	-20.2#	101	-0.22	3.21
104	Phenanthrene-d10a	1.000	1.000	0.0	91	-0.03	8.79
	----------	True	Calc.	% Drift	----------		
105	Atrazine	25.000	27.152	-8.6	102	-0.03	8.50
	----------	AvgRF	CCRF	% Dev	----------		
106	Chrysene-d12a	1.000	1.000	0.0	95	-0.04	12.50
107	Benzidine	0.411	0.446	-8.5	84	-0.03	10.63
108	Acenaphthene-d10a	1.000	1.000	0.0	90	-0.03	7.00
109	1,2,4,5-Tetrachlorobenzen	0.483	0.550	-13.9	93	-0.11	5.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
z92189.D MZ4569.M Tue Jun 10 09:32:47 2014 RTE

8.7.32

8

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37318.D
Acq On : 6 Jun 2014 3:50 pm
Operator : andrews1
Sample : jb67976-1
Misc : op75292,e2p1552,32.3
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 10 10:53:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

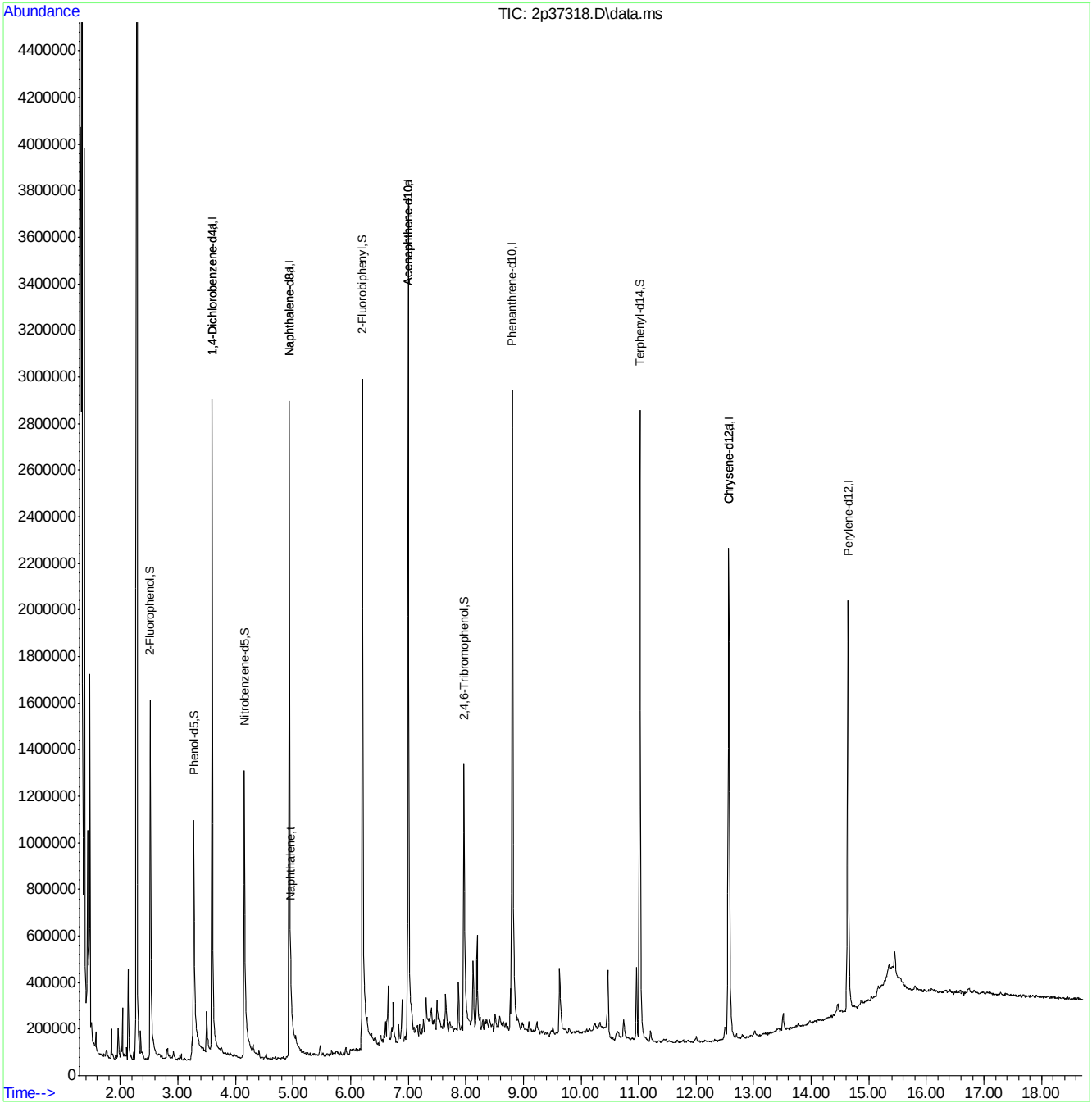
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	500427	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1907911	40.00	ppb	-0.03
47) Acenaphthene-d10	7.004	164	1014304	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1452260	40.00	ppb	-0.03
83) Chrysene-d12	12.567	240	1066296	40.00	ppb	-0.01
92) Perylene-d12	14.637	264	847982	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	500427	40.00	ppb	-0.03
104) Acenaphthene-d10a	7.004	164	1014304	40.00	ppb	-0.03
107) Chrysene-d12a	12.567	240	1066296	40.00	ppb	-0.01
109) Naphthalene-d8a	4.935	136	1907911	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	556187	32.49	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 64.98%#			
8) Phenol-d5	3.276	99	695774	33.64	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 67.28%#			
25) Nitrobenzene-d5	4.154	82	723519	42.48	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 84.96%#			
51) 2-Fluorobiphenyl	6.208	172	1344011	42.18	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 84.36%#			
73) 2,4,6-Tribromophenol	7.967	330	179319	53.22	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 106.44%#			
85) Terphenyl-d14	11.021	244	1122949	52.95	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 105.90%#			
Target Compounds						Qvalue
38) Naphthalene	4.956	128	75664	1.49	ppb	99

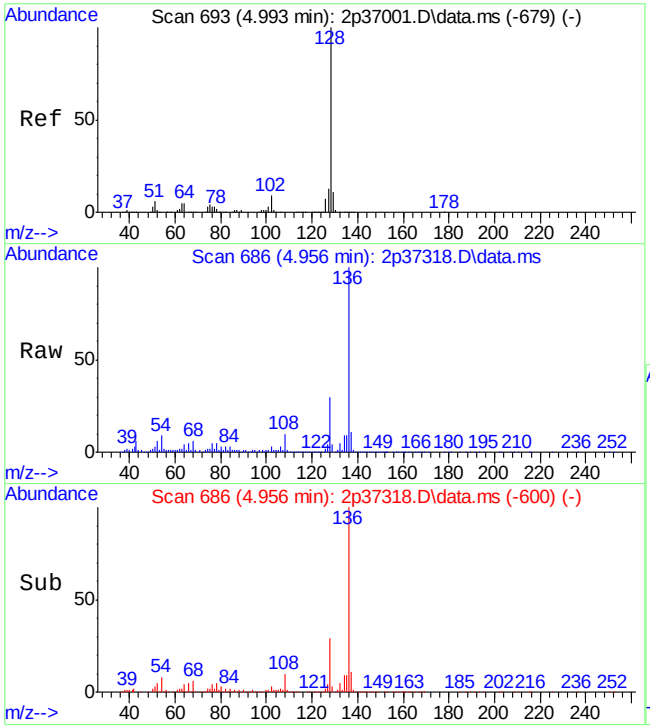
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37318.D
Acq On : 6 Jun 2014 3:50 pm
Operator : andrews1
Sample : jb67976-1
Misc : op75292,e2p1552,32.3
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 10 10:53:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

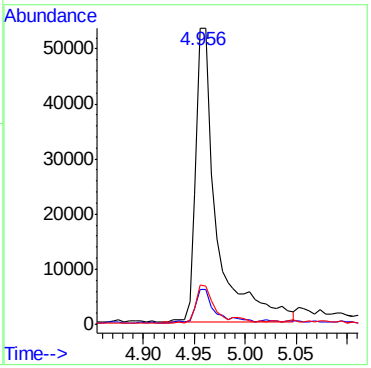




#38
Naphthalene
Concen: 1.49 ppb
RT: 4.956 min Scan# 686
Delta R.T. -0.038 min
Lab File: 2p37318.D
Acq: 6 Jun 2014 3:50 pm

Tgt Ion:128 Resp: 75664

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	41.0
127	12.6	0.0	43.0



9.1.1

Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Weiler
06/10/14 14:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37319.D
Acq On : 6 Jun 2014 4:14 pm
Operator : andrews1
Sample : jb67976-2
Misc : op75292,e2p1552,30.1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 15:10:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

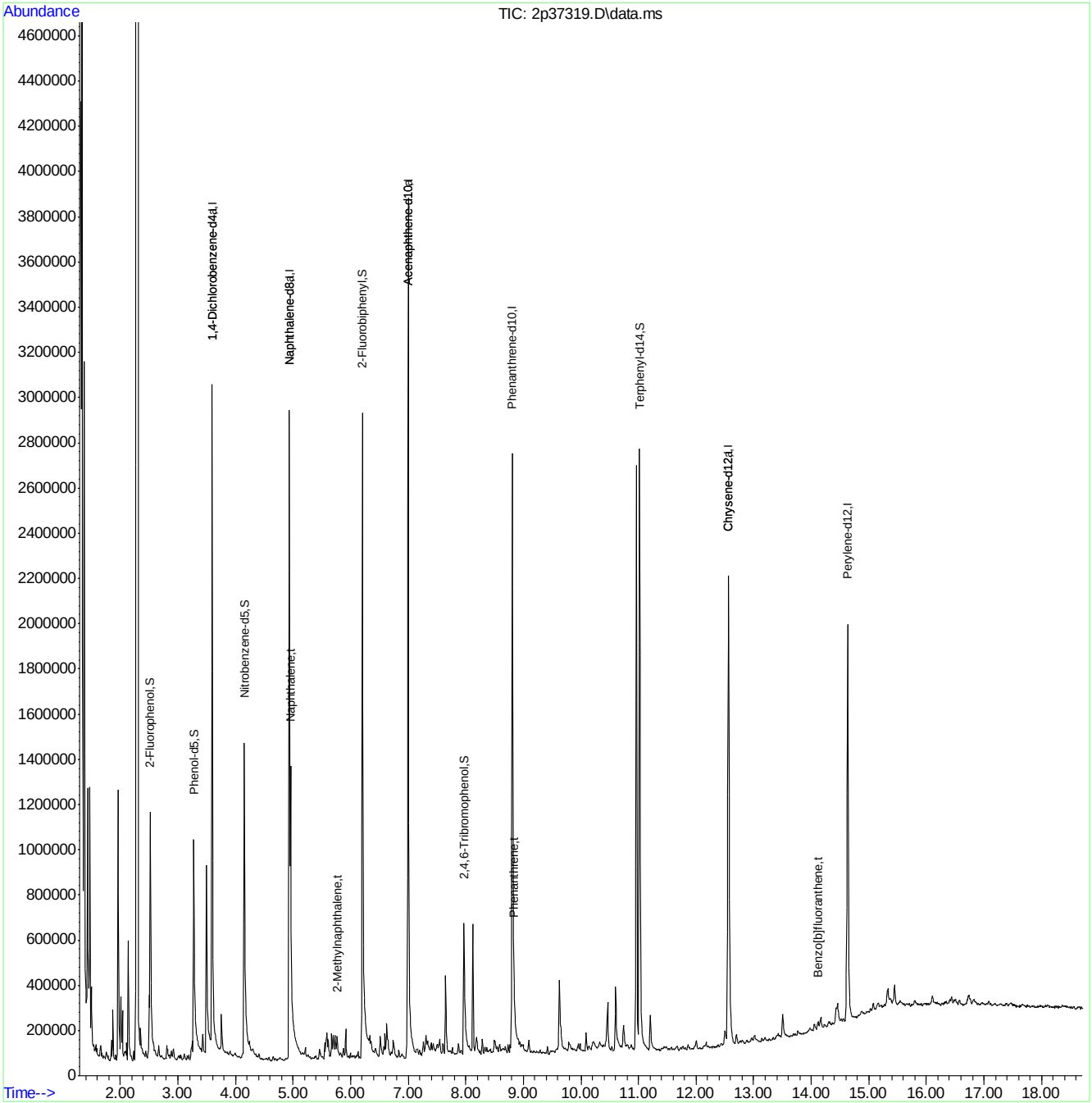
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	493701	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1787738	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	969884	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1459163	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1044764	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	807092	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	493701	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	969884	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1044764	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1787738	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	408827	24.21	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 48.42%			
8) Phenol-d5	3.276	99	624399	30.60	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 61.20%#			
25) Nitrobenzene-d5	4.154	82	733912	45.98	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 91.96%#			
51) 2-Fluorobiphenyl	6.207	172	1382910	45.39	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 90.78%#			
73) 2,4,6-Tribromophenol	7.967	330	103282	30.51	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 61.02%			
85) Terphenyl-d14	11.021	244	1148176	55.25	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 110.50%#			
Target Compounds						Qvalue
38) Naphthalene	4.956	128	599073	12.55	ppb	100
44) 2-Methylnaphthalene	5.764	141	32773	1.18	ppb	90
77) Phenanthrene	8.834	178	21170	0.50	ppb	94
94) Benzo[b]fluoranthene	14.118	252	10664m	0.41	ppb	

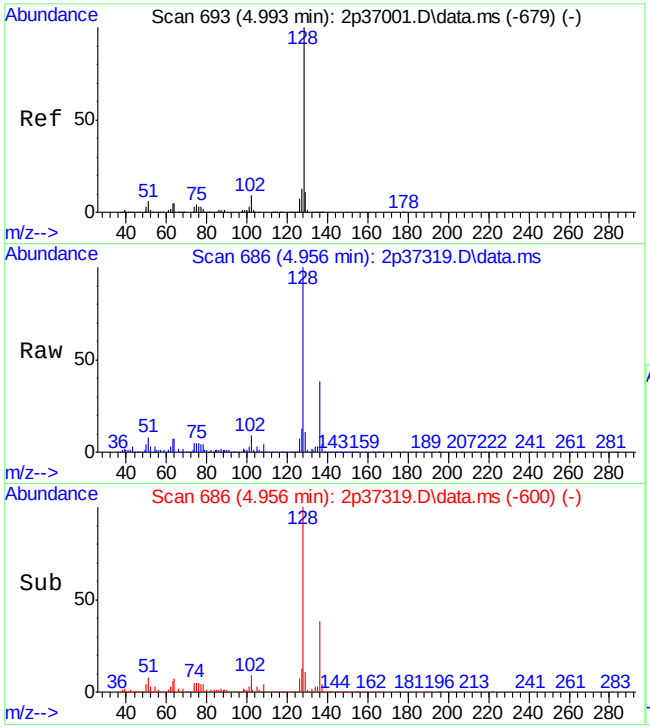
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37319.D
Acq On : 6 Jun 2014 4:14 pm
Operator : andrews1
Sample : jb67976-2
Misc : op75292,e2p1552,30.1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 15:10:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

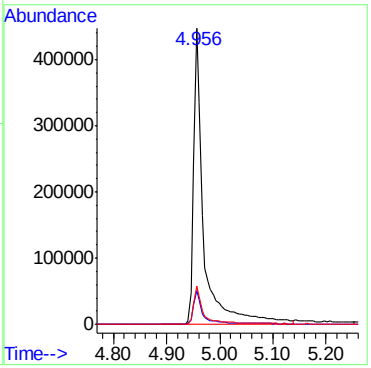


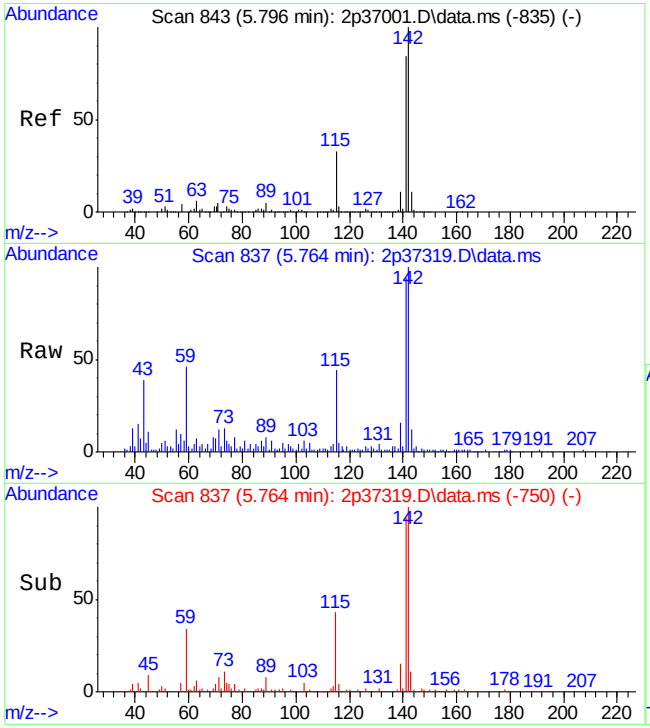


#38
Naphthalene
Concen: 12.55 ppb
RT: 4.956 min Scan# 686
Delta R.T. -0.038 min
Lab File: 2p37319.D
Acq: 6 Jun 2014 4:14 pm

Tgt Ion:128 Resp: 599073

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	41.0
127	13.1	0.0	43.0

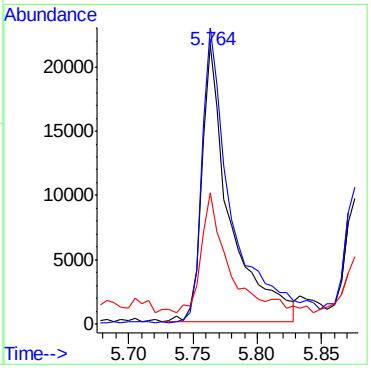


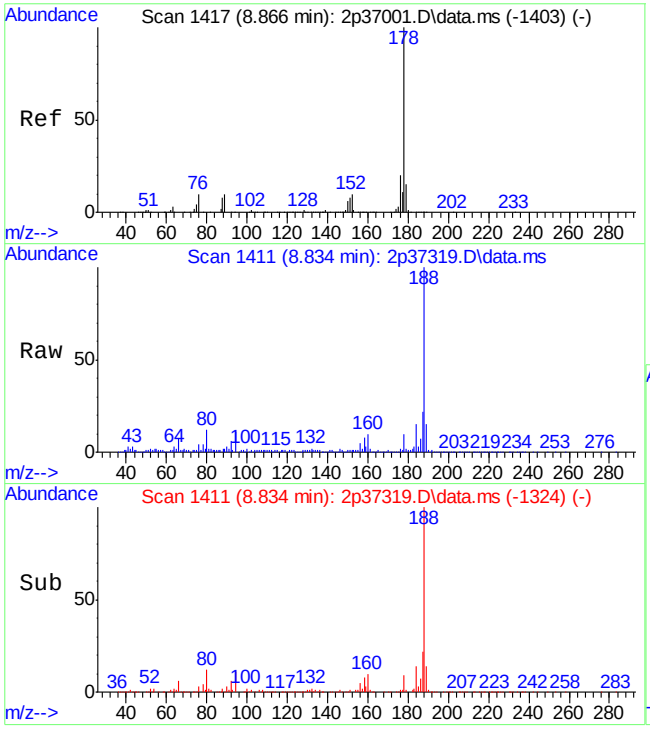


#44
2-Methylnaphthalene
Concen: 1.18 ppb
RT: 5.764 min Scan# 837
Delta R.T. -0.032 min
Lab File: 2p37319.D
Acq: 6 Jun 2014 4:14 pm

Tgt Ion:141 Resp: 32773

Ion	Ratio	Lower	Upper
141	100		
142	106.0	88.9	148.9
115	43.1	9.2	69.2

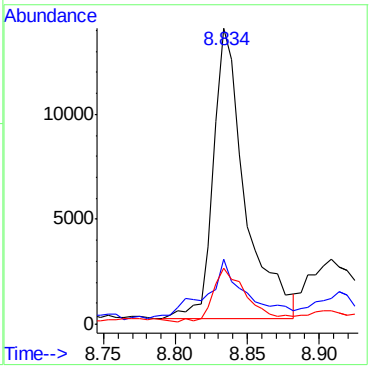


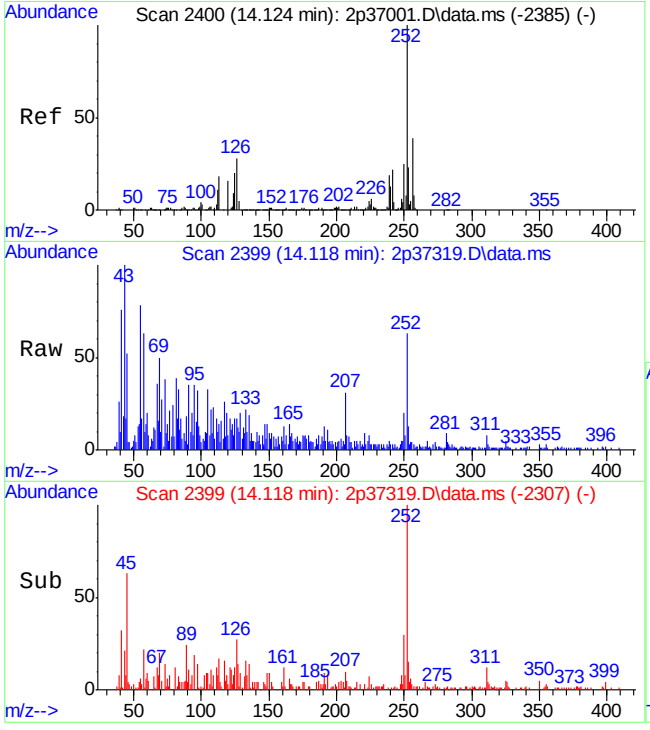


#77
Phenanthrene
Concen: 0.50 ppb
RT: 8.834 min Scan# 1411
Delta R.T. -0.032 min
Lab File: 2p37319.D
Acq: 6 Jun 2014 4:14 pm

Tgt Ion:178 Resp: 21170

Ion	Ratio	Lower	Upper
178	100		
179	19.2	0.0	45.5
176	17.9	0.0	49.7

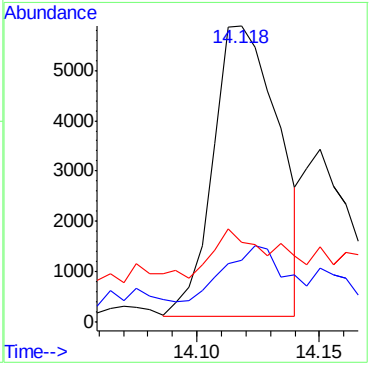




#94
Benzo[b]fluoranthene
Concen: 0.41 ppb m
RT: 14.118 min Scan# 2399
Delta R.T. -0.005 min
Lab File: 2p37319.D
Acq: 6 Jun 2014 4:14 pm

Tgt Ion:252 Resp: 10664

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	52.4
125	27.1	0.0	49.1



Manual Integration Approval Summary

Sample Number:	JB67976-2	**Method:**	SW846 8270D
Lab FileID:	2P37319.D	**Analyst approved:**	06/10/14 11:10 Andrew Lee Smith
Injection Time:	06/06/14 16:14	**Supervisor approved:**	06/10/14 14:51 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		14.12	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37285.D
Acq On : 6 Jun 2014 1:18 am
Operator : ashleyd
Sample : jb67976-3
Misc : op75345,e2p1551,30.3
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 11:58:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

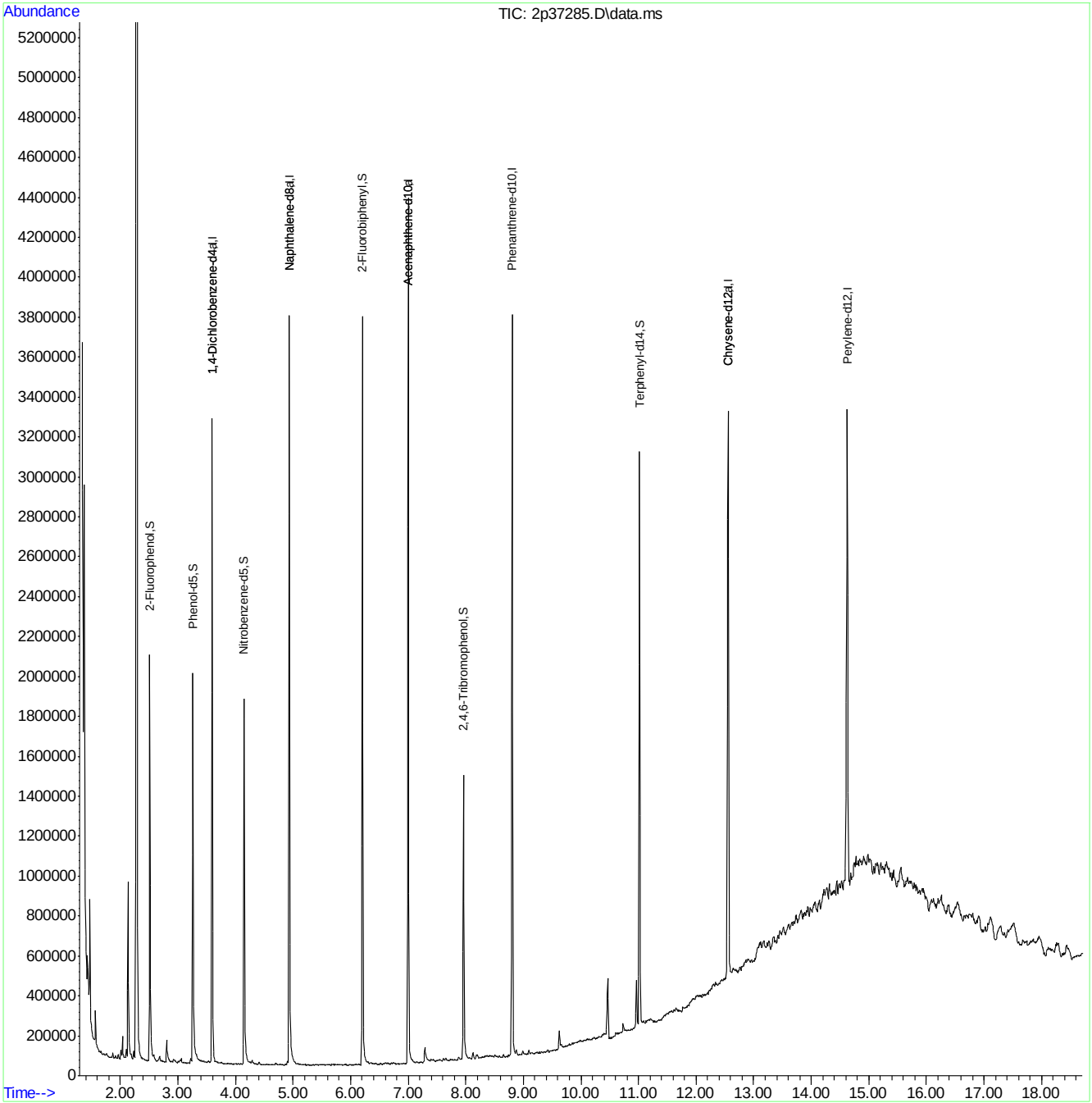
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	446798	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1703172	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	931425	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1383665	40.00	ppb	-0.03
83) Chrysene-d12	12.556	240	1059222	40.00	ppb	-0.02
92) Perylene-d12	14.626	264	963898	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	446798	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	931425	40.00	ppb	-0.03
107) Chrysene-d12a	12.556	240	1059222	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1703172	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.512	112	539598	35.31	ppb	-0.01
Spiked Amount 50.000	Range 11 - 58		Recovery = 70.62%#			
8) Phenol-d5	3.260	99	663343	35.92	ppb	-0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 71.84%#			
25) Nitrobenzene-d5	4.148	82	652476	42.91	ppb	-0.04
Spiked Amount 50.000	Range 19 - 61		Recovery = 85.82%#			
51) 2-Fluorobiphenyl	6.208	172	1157931	39.58	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 79.16%#			
73) 2,4,6-Tribromophenol	7.962	330	155152	48.33	ppb	-0.03
Spiked Amount 50.000	Range 12 - 68		Recovery = 96.66%#			
85) Terphenyl-d14	11.016	244	913840	43.38	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 86.76%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37285.D
Acq On : 6 Jun 2014 1:18 am
Operator : ashleyd
Sample : jb67976-3
Misc : op75345,e2p1551,30.3
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 11:58:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37320.D
Acq On : 6 Jun 2014 4:37 pm
Operator : andrews1
Sample : jb67976-4
Misc : op75292,e2p1552,32.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 10:55:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

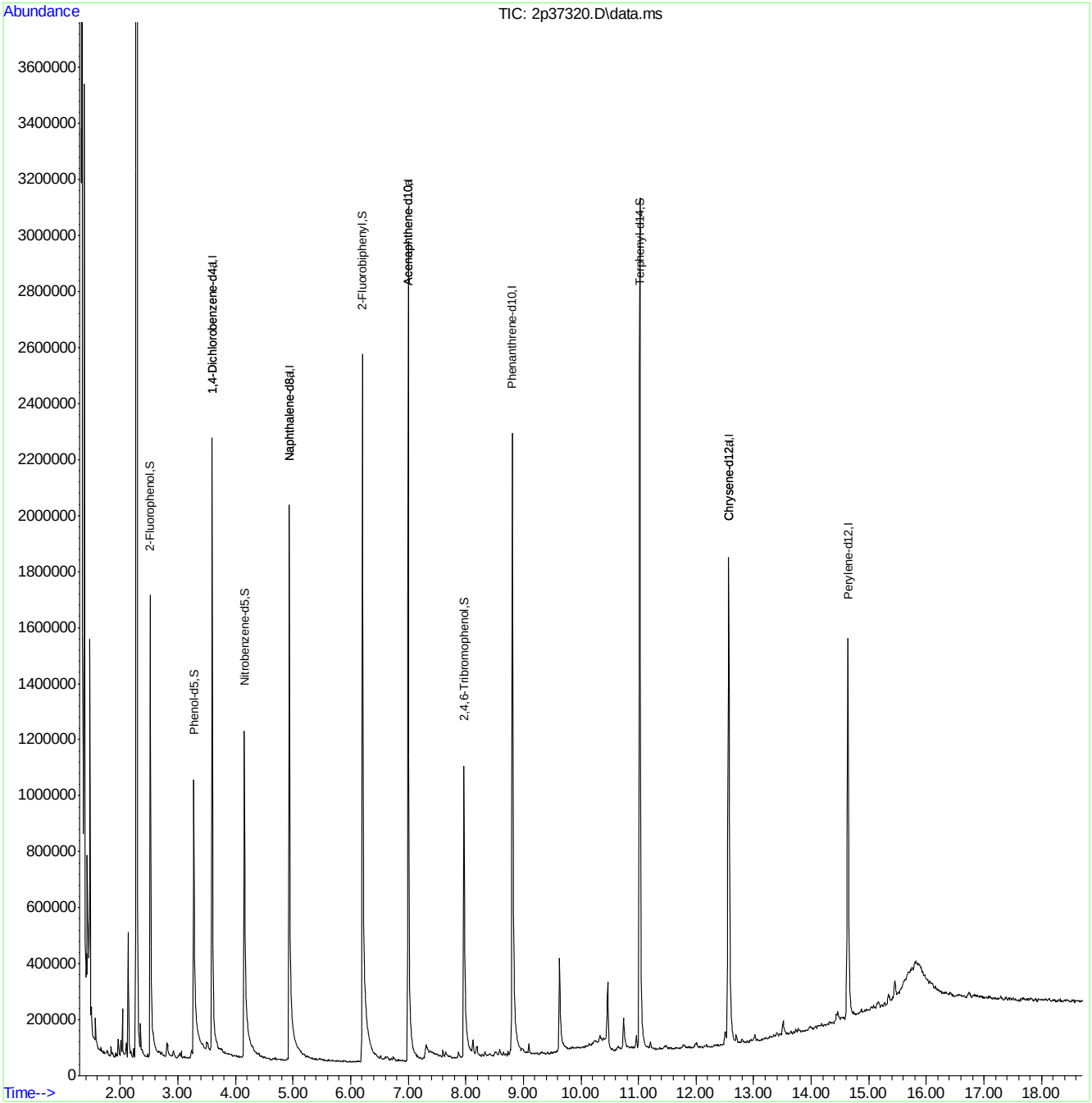
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	408157	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1491368	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	831754	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1298156	40.00	ppb	-0.03
83) Chrysene-d12	12.567	240	980848	40.00	ppb	-0.01
92) Perylene-d12	14.637	264	705588	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	408157	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	831754	40.00	ppb	-0.03
107) Chrysene-d12a	12.567	240	980848	40.00	ppb	-0.01
109) Naphthalene-d8a	4.935	136	1491368	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	570374	40.85	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 81.70%#			
8) Phenol-d5	3.276	99	657138	38.95	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 77.90%#			
25) Nitrobenzene-d5	4.154	82	770562	57.87	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 115.74%#			
51) 2-Fluorobiphenyl	6.208	172	1377452	52.72	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 105.44%#			
73) 2,4,6-Tribromophenol	7.967	330	185850	61.70	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 123.40%#			
85) Terphenyl-d14	11.021	244	1316914	67.50	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 135.00%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37320.D
Acq On : 6 Jun 2014 4:37 pm
Operator : andrews1
Sample : jb67976-4
Misc : op75292,e2p1552,32.0
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 10:55:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37321.D
Acq On : 6 Jun 2014 5:01 pm
Operator : andrews1
Sample : jb67976-5
Misc : op75292,e2p1552,33.2
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 10:56:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

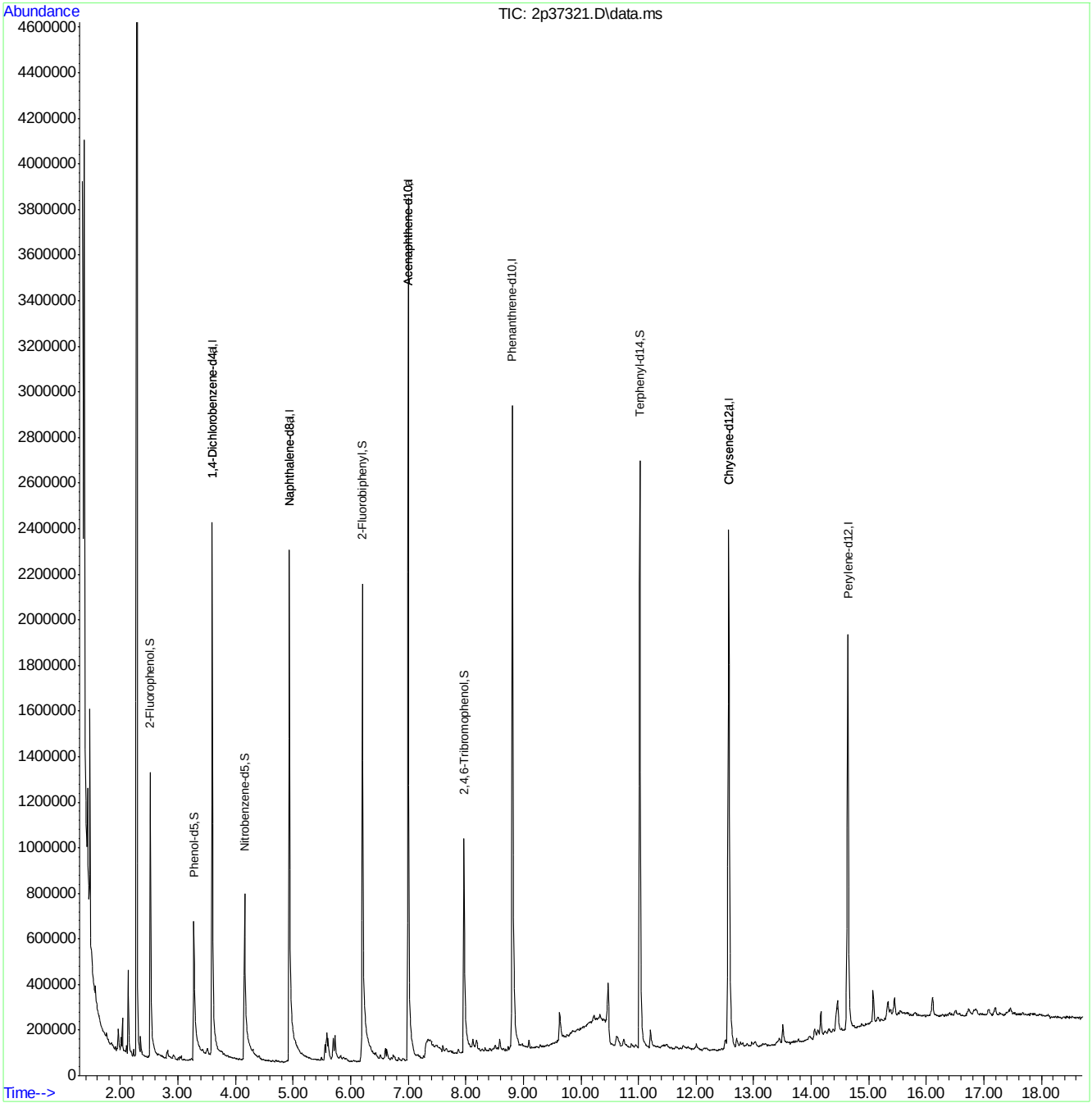
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	463607	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1694520	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	1001167	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1553841	40.00	ppb	-0.03
83) Chrysene-d12	12.567	240	1238917	40.00	ppb	-0.01
92) Perylene-d12	14.637	264	864973	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	463607	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	1001167	40.00	ppb	-0.03
107) Chrysene-d12a	12.567	240	1238917	40.00	ppb	-0.01
109) Naphthalene-d8a	4.935	136	1694520	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	463165	29.21	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 58.42%#			
8) Phenol-d5	3.277	99	560860	29.27	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 58.54%#			
25) Nitrobenzene-d5	4.154	82	602799	39.85	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 79.70%#			
51) 2-Fluorobiphenyl	6.208	172	1140726	36.27	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 72.54%#			
73) 2,4,6-Tribromophenol	7.967	330	171009	47.43	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 94.86%#			
85) Terphenyl-d14	11.021	244	1144114	46.43	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 92.86%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37321.D
Acq On : 6 Jun 2014 5:01 pm
Operator : andrews1
Sample : jb67976-5
Misc : op75292,e2p1552,33.2
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 10:56:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92292.D
Acq On : 9 Jun 2014 11:32 am
Operator : ashleyv
Sample : jb67976-6
Misc : op75363,ez4589,900
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 14:58:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

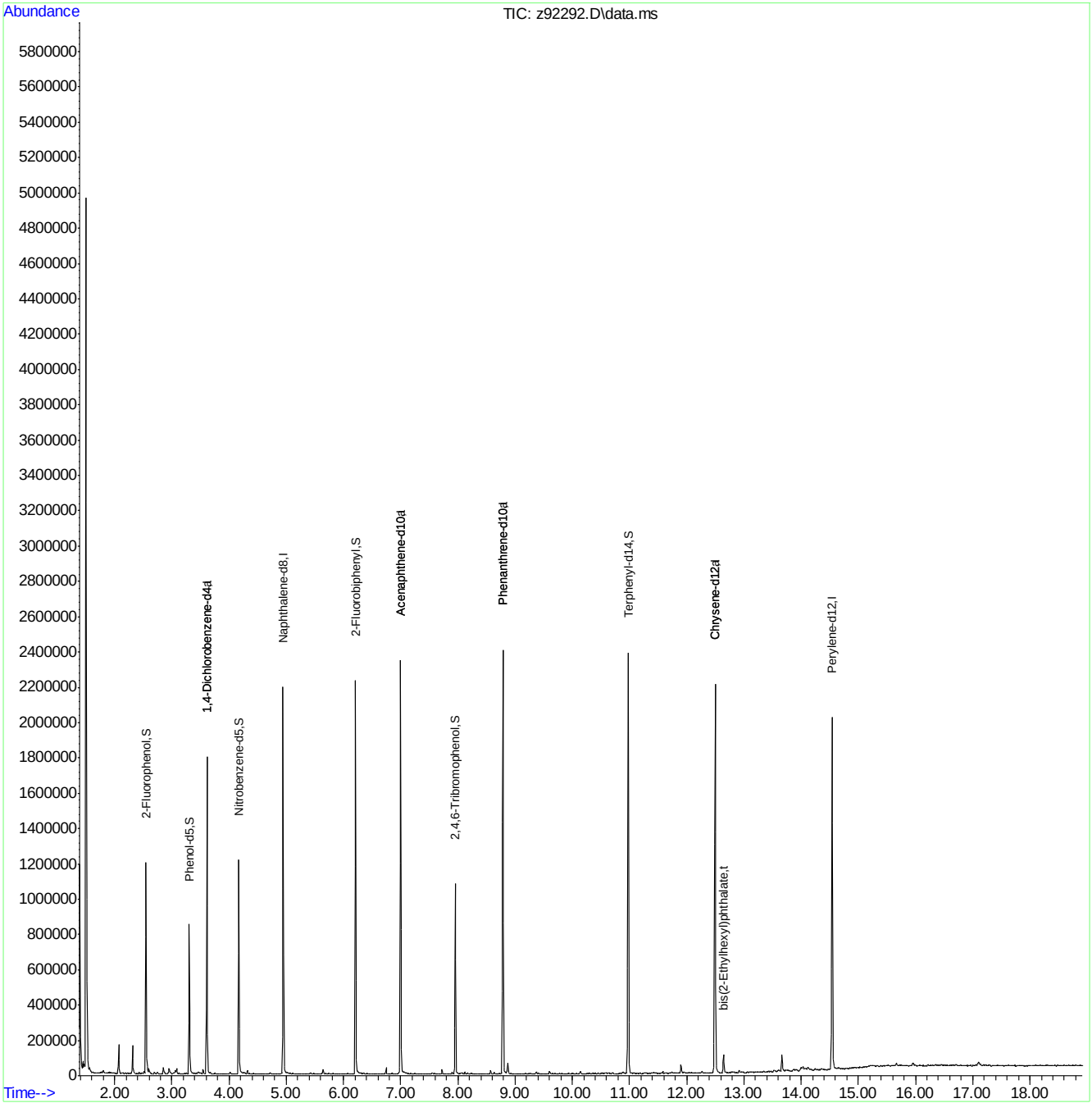
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.615	152	244293	40.00	ppb	-0.02
24) Naphthalene-d8	4.945	136	969548	40.00	ppb	-0.03
47) Acenaphthene-d10	6.997	164	535053	40.00	ppb	-0.03
69) Phenanthrene-d10	8.786	188	907245	40.00	ppb	-0.04
83) Chrysene-d12	12.499	240	942499	40.00	ppb	-0.04
92) Perylene-d12	14.545	264	872961	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.615	152	244293	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.786	188	907245	40.00	ppb	-0.04
106) Chrysene-d12a	12.499	240	942499	40.00	ppb	-0.04
108) Acenaphthene-d10a	6.997	164	535053	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.546	112	293688	35.18	ppb	-0.02
Spiked Amount 50.000			Recovery =	70.36%		
8) Phenol-d5	3.305	99	288075	27.40	ppb	-0.02
Spiked Amount 50.000			Recovery =	54.80%		
25) Nitrobenzene-d5	4.170	82	359403	42.07	ppb	-0.03
Spiked Amount 50.000			Recovery =	84.14%		
51) 2-Fluorobiphenyl	6.211	172	648766	38.25	ppb	-0.03
Spiked Amount 50.000			Recovery =	76.50%		
73) 2,4,6-Tribromophenol	7.953	330	116114	52.38	ppb	-0.03
Spiked Amount 50.000			Recovery =	104.76%		
86) Terphenyl-d14	10.982	244	921975	48.64	ppb	-0.03
Spiked Amount 50.000			Recovery =	97.28%		
Target Compounds						Qvalue
91) bis(2-Ethylhexyl)phtha...	12.649	149	35578	2.26	ppb	98

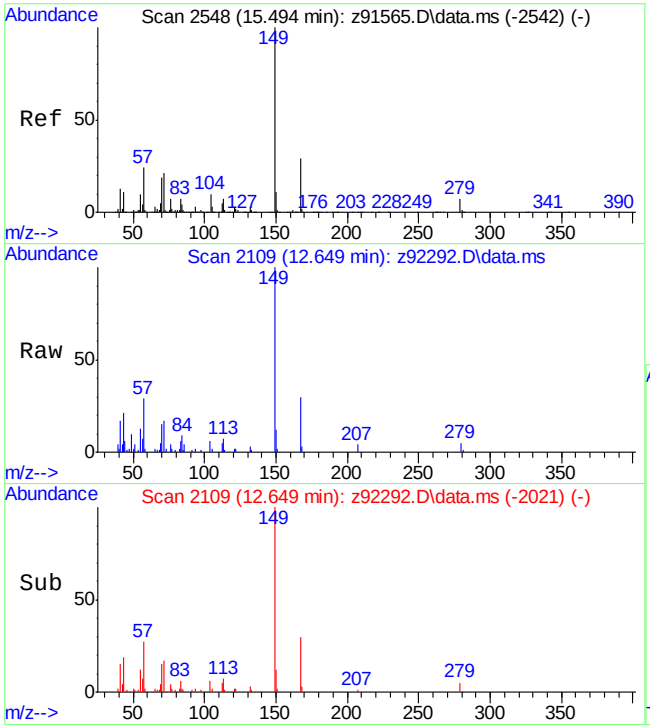
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92292.D
Acq On : 9 Jun 2014 11:32 am
Operator : ashleyv
Sample : jb67976-6
Misc : op75363,ez4589,900
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 14:58:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

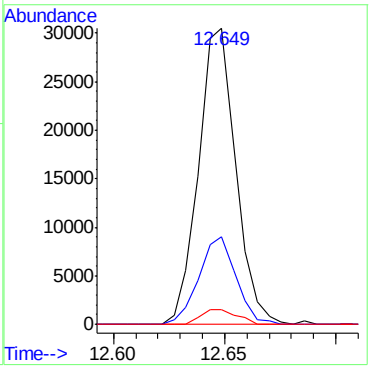




#91
bis(2-Ethylhexyl)phthalate
Concen: 2.26 ppb
RT: 12.649 min Scan# 2109
Delta R.T. -0.032 min
Lab File: z92292.D
Acq: 9 Jun 2014 11:32 am

Tgt Ion:149 Resp: 35578

Ion	Ratio	Lower	Upper
149	100		
167	29.6	0.0	58.7
279	4.8	0.0	36.2



Manual Integrations APPROVED
(compounds with "m" flag)
Kristin Weiler
06/10/14 14:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37322.D
Acq On : 6 Jun 2014 5:25 pm
Operator : andrews1
Sample : jb67976-8
Misc : op75292,e2p1552,33.1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 10 15:11:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

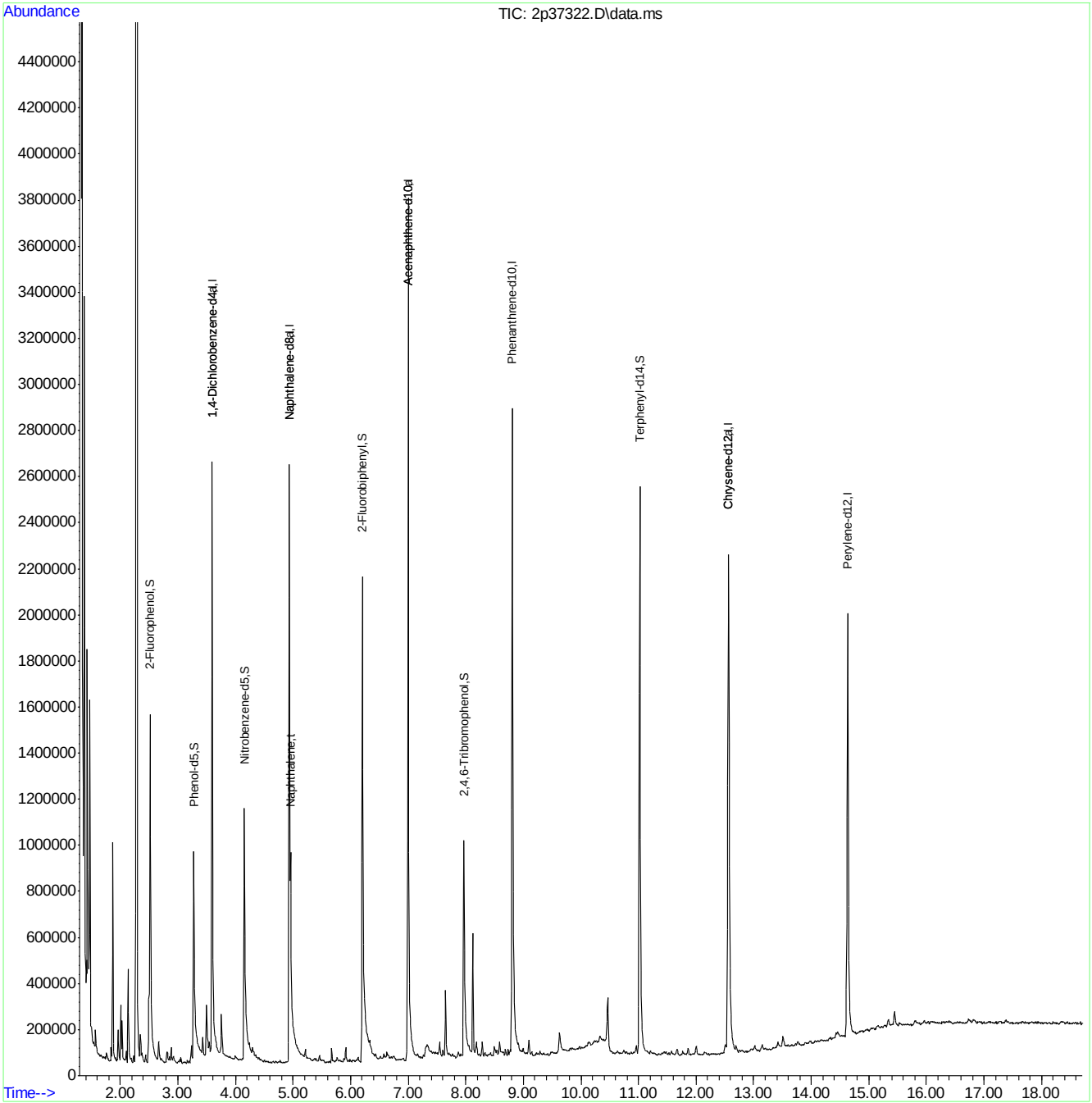
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	465845	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1743713	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	990207	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1529023	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1241080	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	895087	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	465845	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	990207	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1241080	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1743713	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	515331	32.34	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 64.68%#			
8) Phenol-d5	3.277	99	609286	31.65	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 63.30%#			
25) Nitrobenzene-d5	4.154	82	684700	43.98	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 87.96%#			
51) 2-Fluorobiphenyl	6.208	172	1252494	40.27	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 80.54%#			
73) 2,4,6-Tribromophenol	7.967	330	174040	49.06	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 98.12%#			
85) Terphenyl-d14	11.021	244	1187519	48.11	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 96.22%#			
Target Compounds						Qvalue
38) Naphthalene	4.956	128	384823	8.27	ppb	99

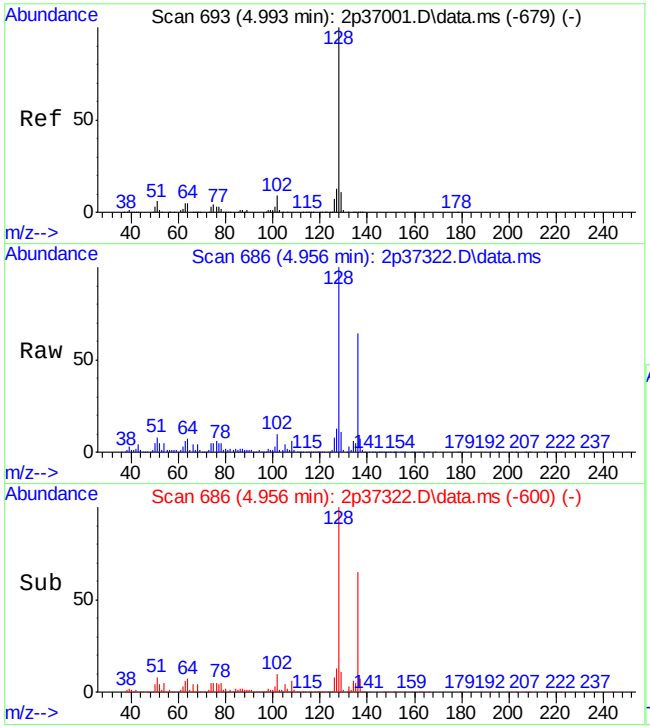
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37322.D
Acq On : 6 Jun 2014 5:25 pm
Operator : andrews1
Sample : jb67976-8
Misc : op75292,e2p1552,33.1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 10 15:11:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

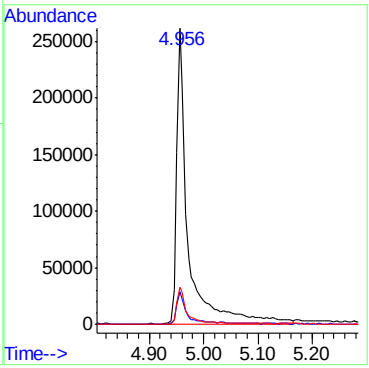




#38
Naphthalene
Concen: 8.27 ppb
RT: 4.956 min Scan# 686
Delta R.T. -0.037 min
Lab File: 2p37322.D
Acq: 6 Jun 2014 5:25 pm

Tgt Ion:128 Resp: 384823

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.0
127	12.6	0.0	43.0



Manual Integration Approval Summary

Sample Number: JB67976-8
Lab FileID: 2P37322.D
Injection Time: 06/06/14 17:25

Method: SW846 8270D
Analyst approved: 06/10/14 11:10 Andrew Lee Smith
Supervisor approved: 06/10/14 14:51 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Methylnaphthalene	91-57-6		5.77	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37323.D
Acq On : 6 Jun 2014 5:48 pm
Operator : andrews1
Sample : jb67976-9
Misc : op75292,e2p1552,30.2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 10 15:11:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

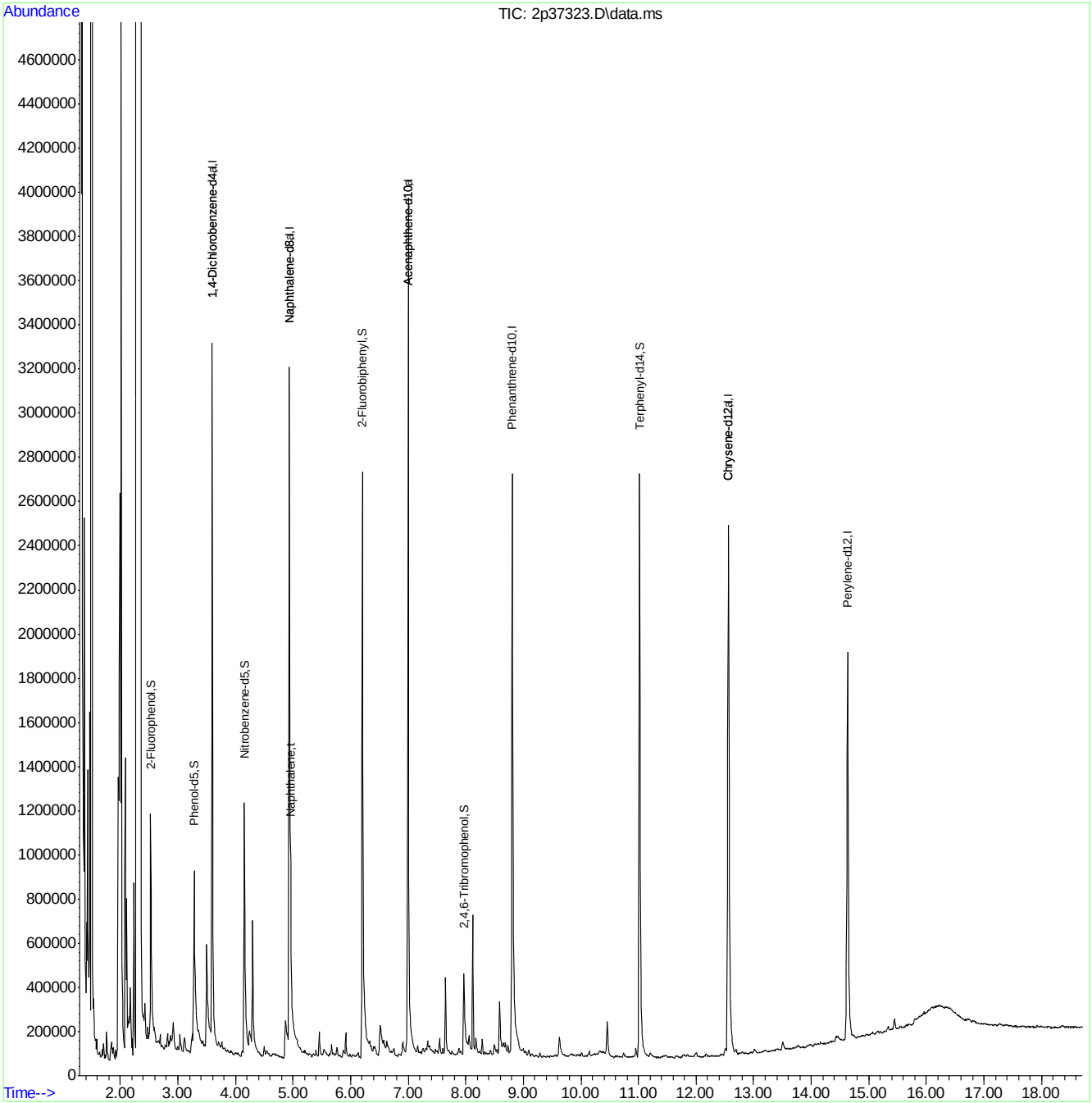
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	534712	40.00	ppb	-0.03
24) Naphthalene-d8	4.934	136	1984972	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	1025527	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1605919	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1308060	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	931106	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	534712	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	1025527	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1308060	40.00	ppb	-0.02
109) Naphthalene-d8a	4.934	136	1984972	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.528	112	427691	23.38	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 46.76%			
8) Phenol-d5	3.282	99	620888	28.09	ppb	0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 56.18%			
25) Nitrobenzene-d5	4.154	82	568191	32.06	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 64.12%#			
51) 2-Fluorobiphenyl	6.202	172	1325053	41.13	ppb	-0.04
Spiked Amount 50.000	Range 21 - 58		Recovery = 82.26%#			
73) 2,4,6-Tribromophenol	7.967	330	73923	19.84	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 39.68%			
85) Terphenyl-d14	11.016	244	1268584	48.76	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 97.52%#			
Target Compounds						Qvalue
38) Naphthalene	4.956	128	287087	5.42	ppb	100

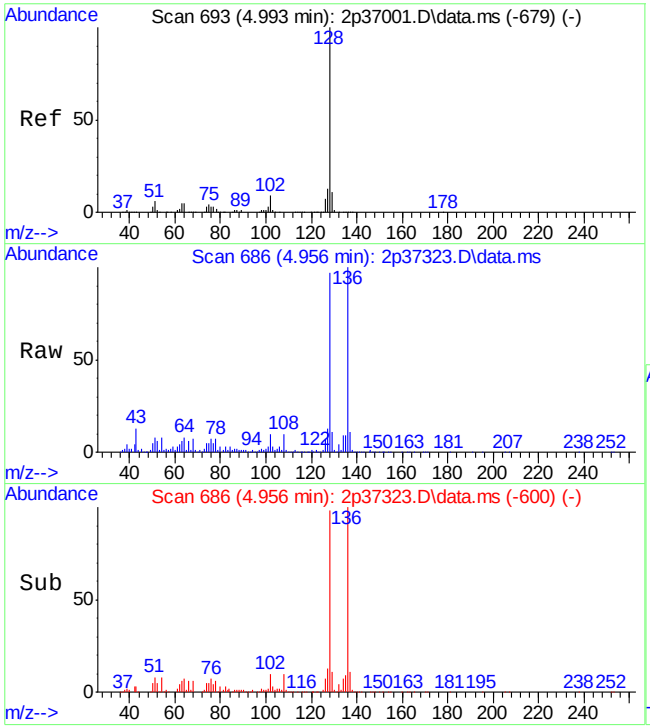
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37323.D
Acq On : 6 Jun 2014 5:48 pm
Operator : andrews1
Sample : jb67976-9
Misc : op75292,e2p1552,30.2
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 10 15:11:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

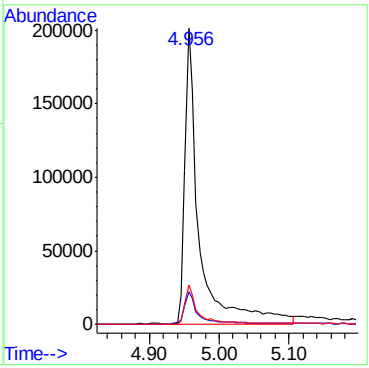




#38
Naphthalene
Concen: 5.42 ppb
RT: 4.956 min Scan# 686
Delta R.T. -0.038 min
Lab File: 2p37323.D
Acq: 6 Jun 2014 5:48 pm

Tgt Ion:128 Resp: 287087

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.0
127	13.1	0.0	43.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37324.D
Acq On : 6 Jun 2014 6:12 pm
Operator : andrews1
Sample : jb67976-10
Misc : op75292,e2p1552,33.2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 10 11:04:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

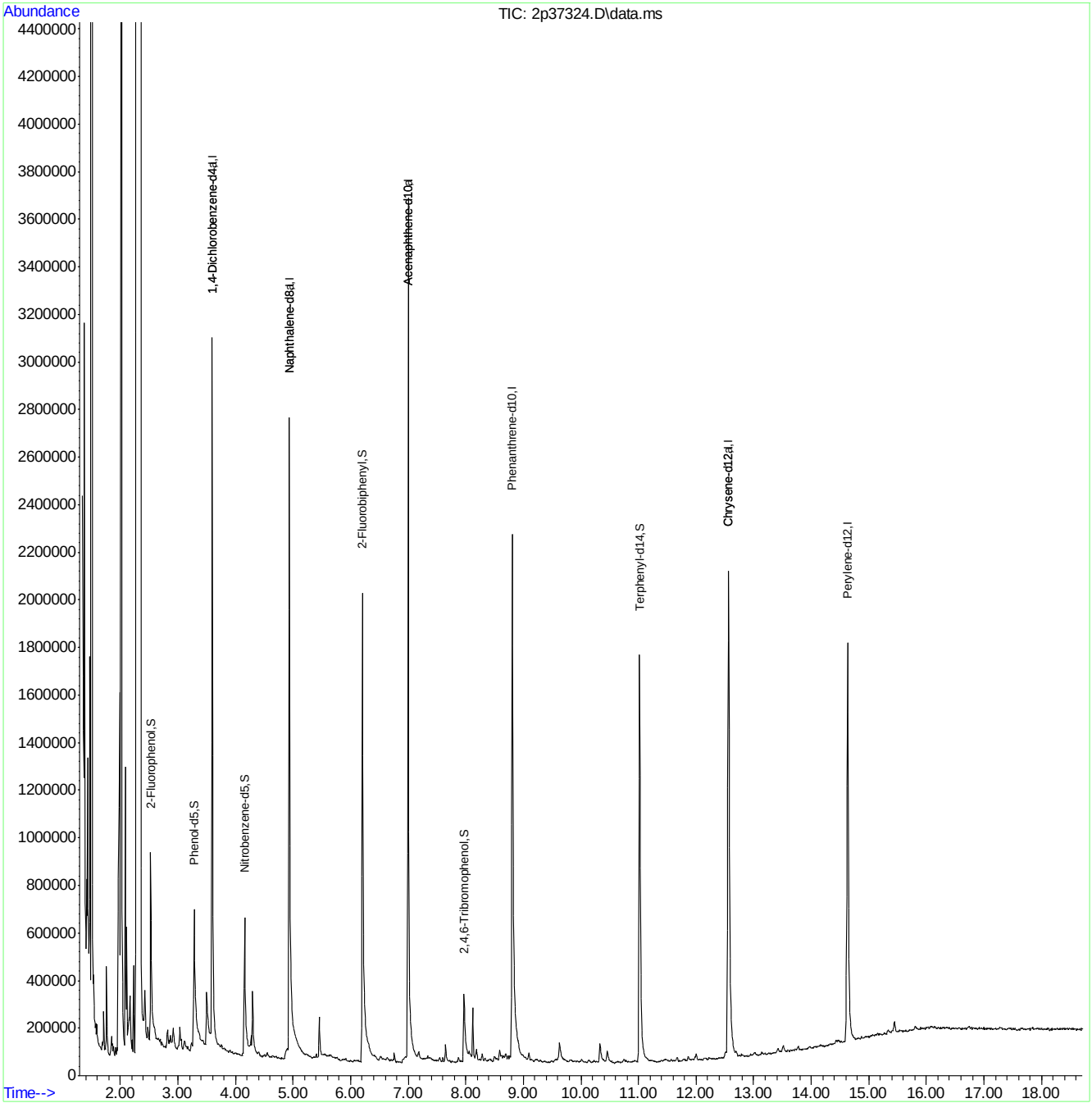
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	514040	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1887016	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	1005360	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1556432	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1262664	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	908870	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	514040	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	1005360	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1262664	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1887016	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.528	112	340539	19.37	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 38.74%			
8) Phenol-d5	3.282	99	516629	24.32	ppb	0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 48.64%			
25) Nitrobenzene-d5	4.159	82	351115	20.84	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 41.68%			
51) 2-Fluorobiphenyl	6.208	172	1134169	35.92	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 71.84%#			
73) 2,4,6-Tribromophenol	7.973	330	69879	19.35	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 38.70%			
85) Terphenyl-d14	11.016	244	929956	37.03	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 74.06%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37324.D
Acq On : 6 Jun 2014 6:12 pm
Operator : andrews1
Sample : jb67976-10
Misc : op75292,e2p1552,33.2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 10 11:04:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37325.D
Acq On : 6 Jun 2014 6:36 pm
Operator : andrews1
Sample : jb67976-11
Misc : op75292,e2p1552,32.1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 11:05:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

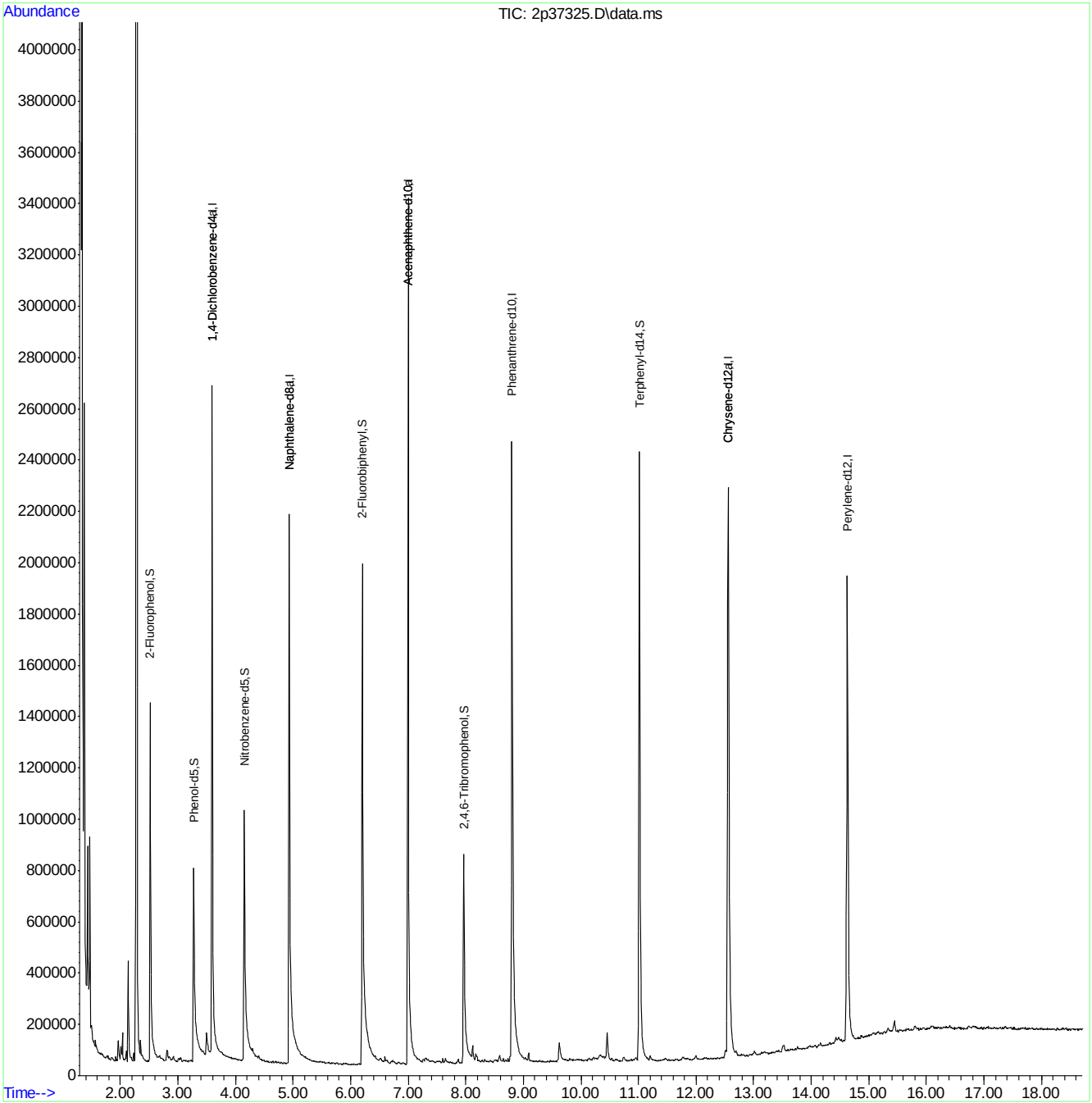
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	492665	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1822598	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	987212	40.00	ppb	-0.03
69) Phenanthrene-d10	8.802	188	1523625	40.00	ppb	-0.03
83) Chrysene-d12	12.556	240	1283242	40.00	ppb	-0.02
92) Perylene-d12	14.626	264	946436	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	492665	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	987212	40.00	ppb	-0.03
107) Chrysene-d12a	12.556	240	1283242	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1822598	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	511503	30.35	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 60.70%#			
8) Phenol-d5	3.277	99	569578	27.97	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 55.94%			
25) Nitrobenzene-d5	4.154	82	646410	39.73	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 79.46%#			
51) 2-Fluorobiphenyl	6.202	172	1201411	38.74	ppb	-0.04
Spiked Amount 50.000	Range 21 - 58		Recovery = 77.48%#			
73) 2,4,6-Tribromophenol	7.967	330	158812	44.92	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 89.84%#			
85) Terphenyl-d14	11.016	244	1135501	44.49	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 88.98%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37325.D
Acq On : 6 Jun 2014 6:36 pm
Operator : andrews1
Sample : jb67976-11
Misc : op75292,e2p1552,32.1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 10 11:05:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37326.D
Acq On : 6 Jun 2014 7:00 pm
Operator : andrews1
Sample : jb67976-12
Misc : op75292,e2p1552,32.0
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 11:07:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

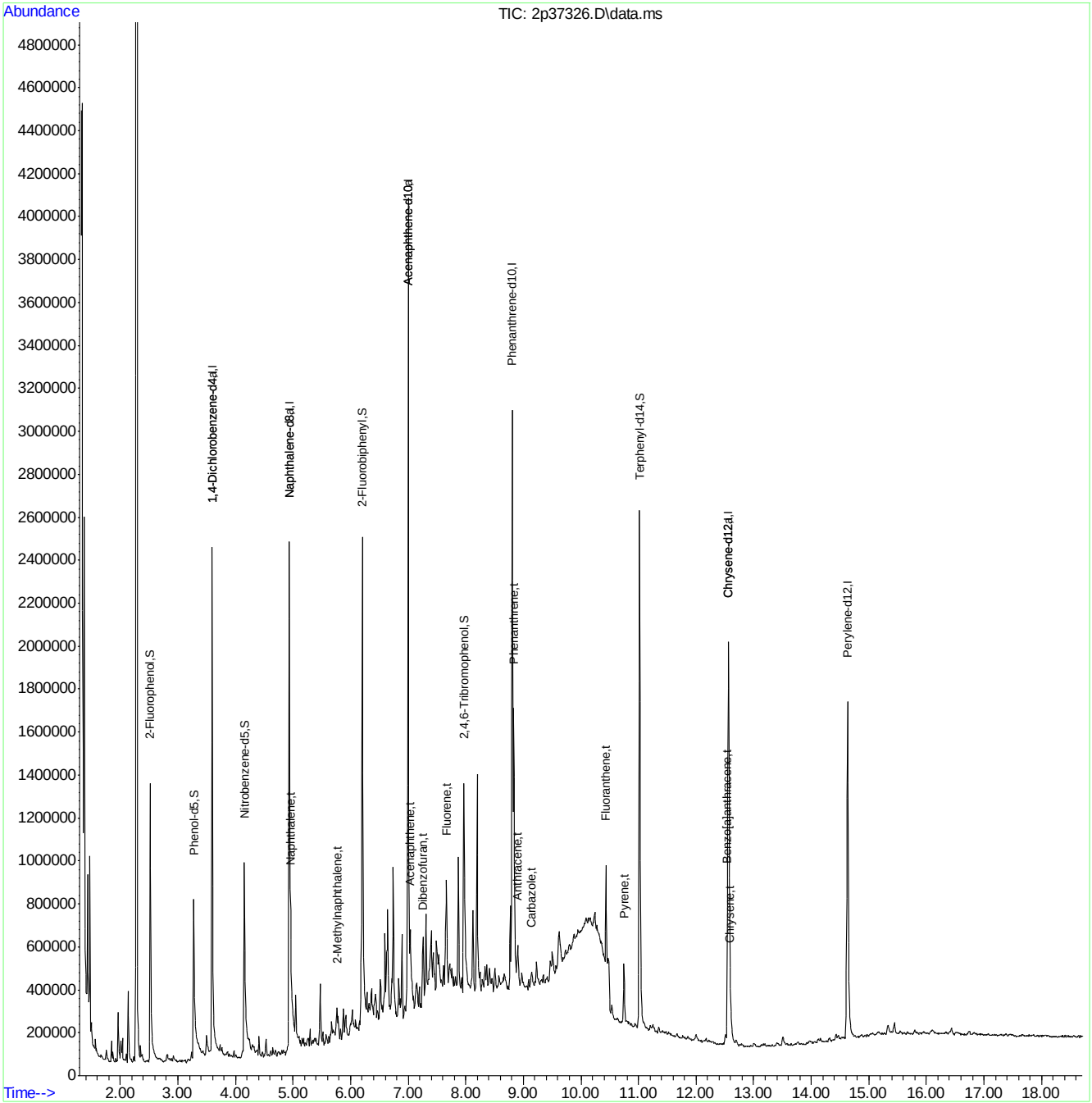
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	442700	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1711296	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	876825	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1365084	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1106979	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	823882	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	442700	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	876825	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1106979	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1711296	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.517	112	468650	30.95	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 61.90%#			
8) Phenol-d5	3.277	99	586228	32.04	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 64.08%#			
25) Nitrobenzene-d5	4.154	82	608644	39.84	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 79.68%#			
51) 2-Fluorobiphenyl	6.208	172	1116389	40.53	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 81.06%#			
73) 2,4,6-Tribromophenol	7.967	330	154960	48.93	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 97.86%#			
85) Terphenyl-d14	11.022	244	1100480	49.98	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 99.96%#			
Target Compounds						Qvalue
38) Naphthalene	4.956	128	205845	4.51	ppb	99
44) 2-Methylnaphthalene	5.764	141	55840	2.11	ppb	99
59) Acenaphthene	7.037	153	56159	2.11	ppb	95
62) Dibenzofuran	7.251	168	112929	3.20	ppb	94
66) Fluorene	7.663	166	165778	5.79	ppb	94
77) Phenanthrene	8.834	178	525931	13.24	ppb	98
78) Anthracene	8.903	178	128546	3.29	ppb	89
79) Carbazole	9.144	167	45323	0.99	ppb	99
81) Fluoranthene	10.438	202	190752	4.55	ppb	98
84) Pyrene	10.749	202	128540	3.33	ppb	96
88) Benzo[a]anthracene	12.546	228	23570	0.72	ppb	89
90) Chrysene	12.594	228	19912	0.70	ppb	91

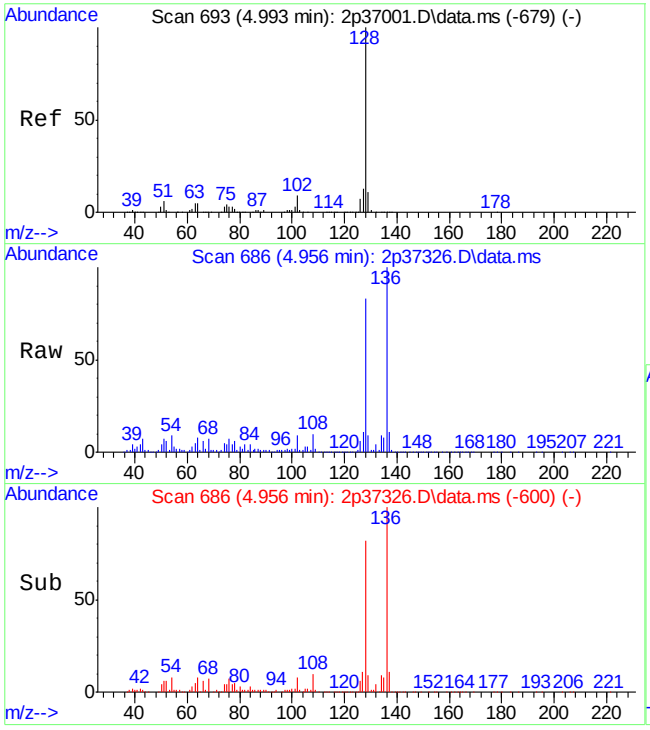
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37326.D
Acq On : 6 Jun 2014 7:00 pm
Operator : andrews1
Sample : jb67976-12
Misc : op75292,e2p1552,32.0
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 11:07:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

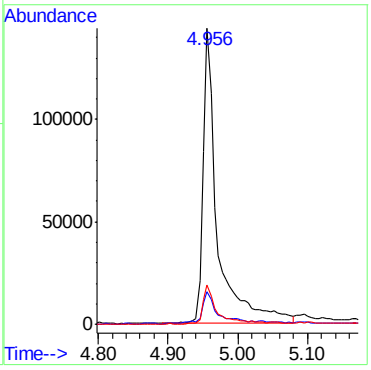


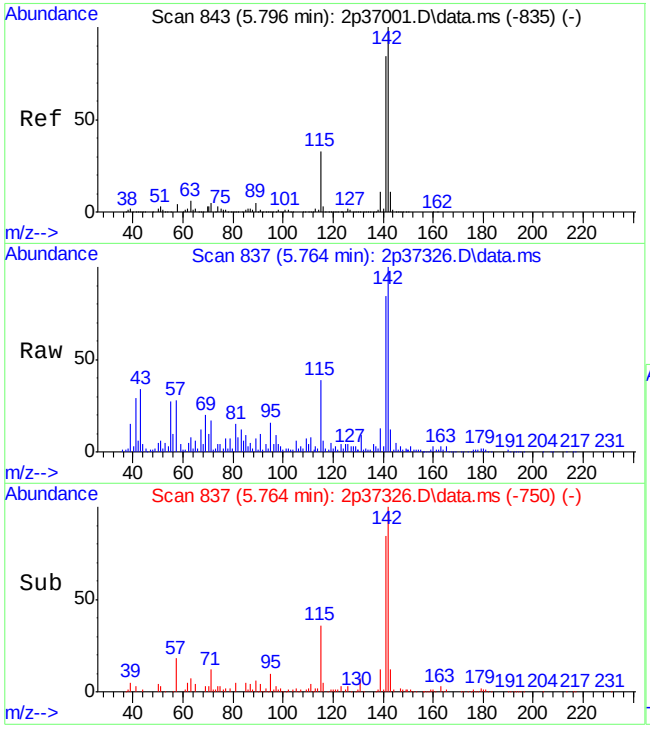


#38
Naphthalene
Concen: 4.51 ppb
RT: 4.956 min Scan# 686
Delta R.T. -0.037 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:128 Resp: 205845

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	41.0
127	13.3	0.0	43.0

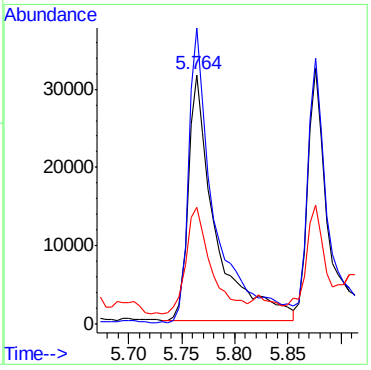


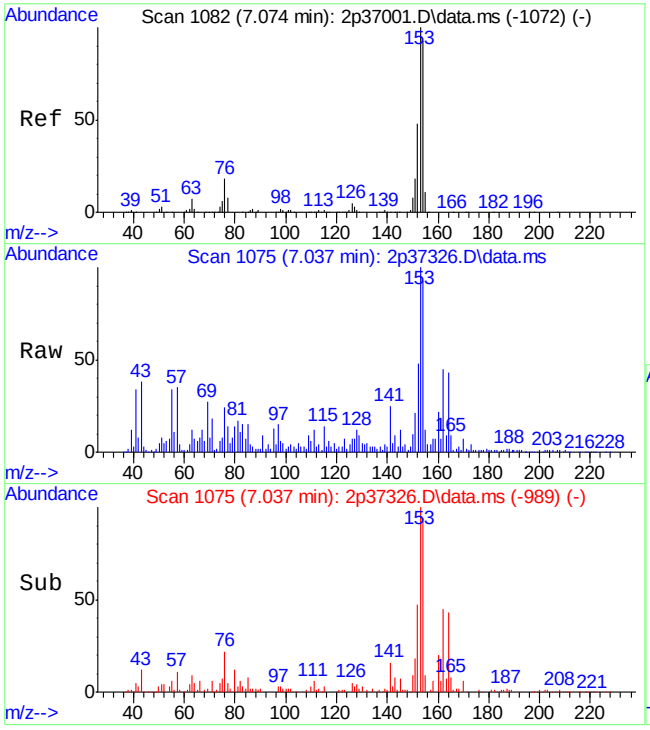


#44
2-Methylnaphthalene
Concen: 2.11 ppb
RT: 5.764 min Scan# 837
Delta R.T. -0.032 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:141 Resp: 55840

Ion	Ratio	Lower	Upper
141	100		
142	118.7	88.9	148.9
115	41.1	9.2	69.2

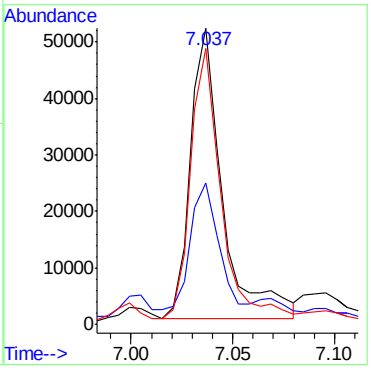


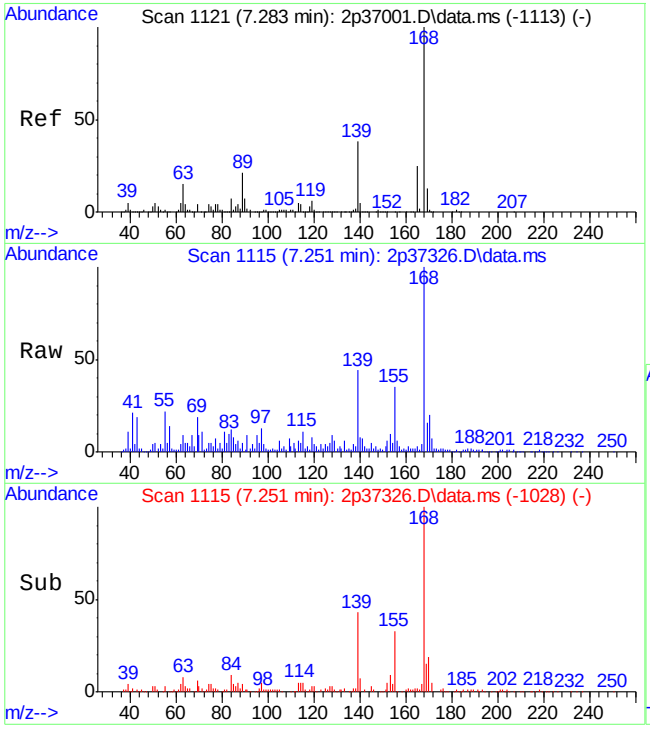


#59
Acenaphthene
Concen: 2.11 ppb
RT: 7.037 min Scan# 1075
Delta R.T. -0.037 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:153 Resp: 56159

Ion	Ratio	Lower	Upper
153	100		
152	45.1	18.1	78.1
154	94.7	59.5	119.5

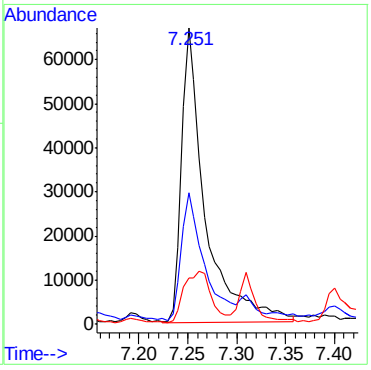


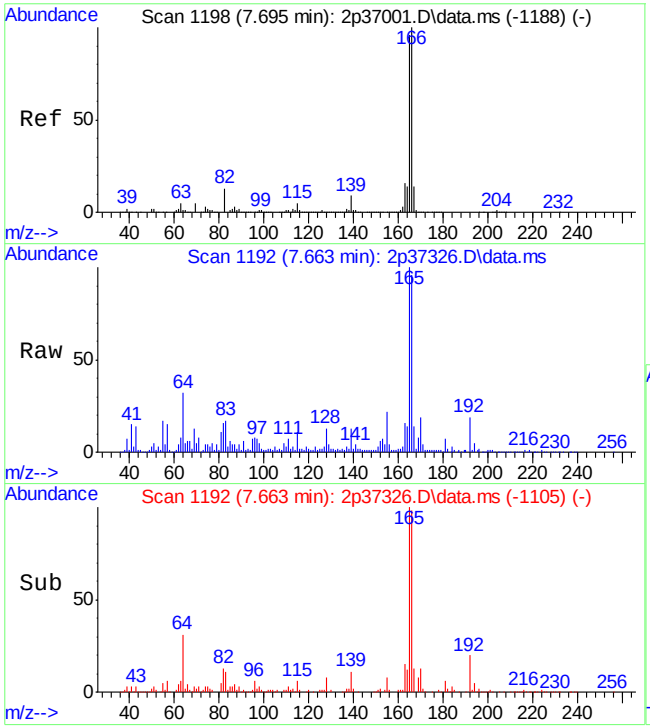


#62
Dibenzofuran
Concen: 3.20 ppb
RT: 7.251 min Scan# 1115
Delta R.T. -0.032 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:168 Resp: 112929

Ion	Ratio	Lower	Upper
168	100		
139	42.3	8.3	68.3
169	14.7	0.0	43.5

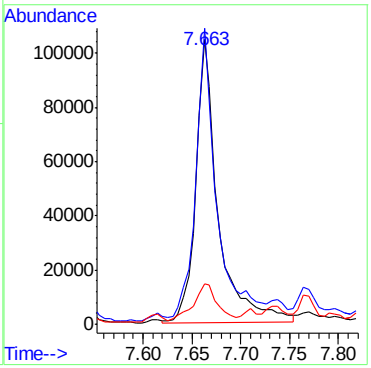


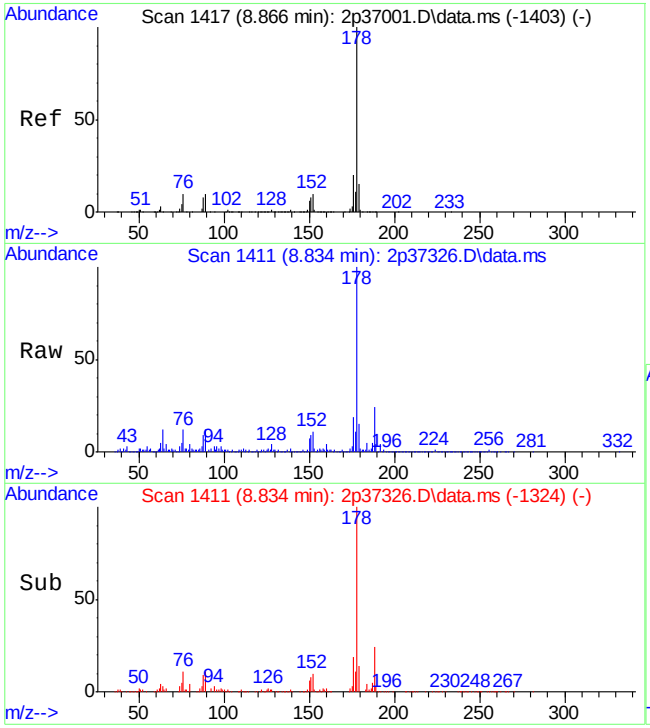


#66
Fluorene
Concen: 5.79 ppb
RT: 7.663 min Scan# 1192
Delta R.T. -0.032 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:166 Resp: 165778

Ion	Ratio	Lower	Upper
166	100		
165	102.0	66.2	126.2
167	11.7	0.0	43.7

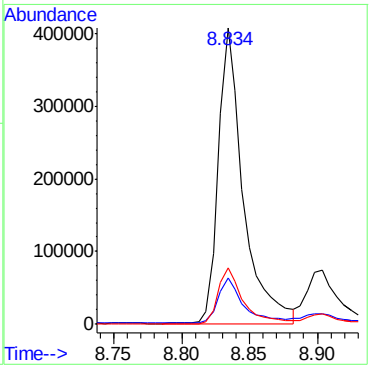


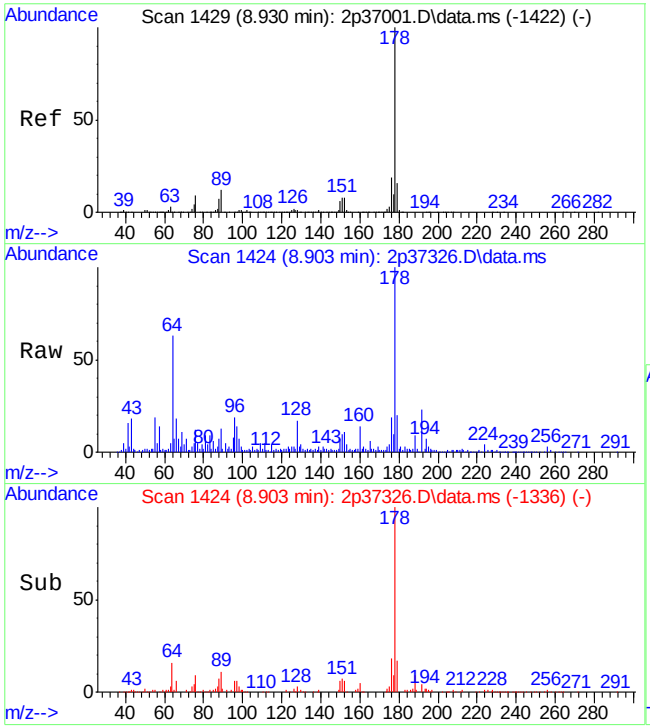


#77
Phenanthrene
Concen: 13.24 ppb
RT: 8.834 min Scan# 1411
Delta R.T. -0.032 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:178 Resp: 525931

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.5
176	19.0	0.0	49.7

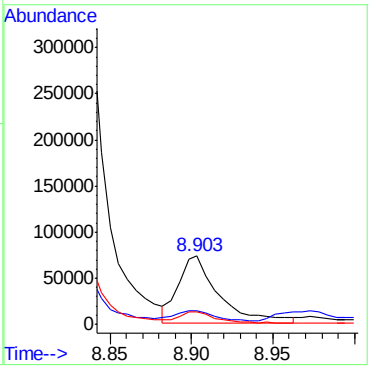


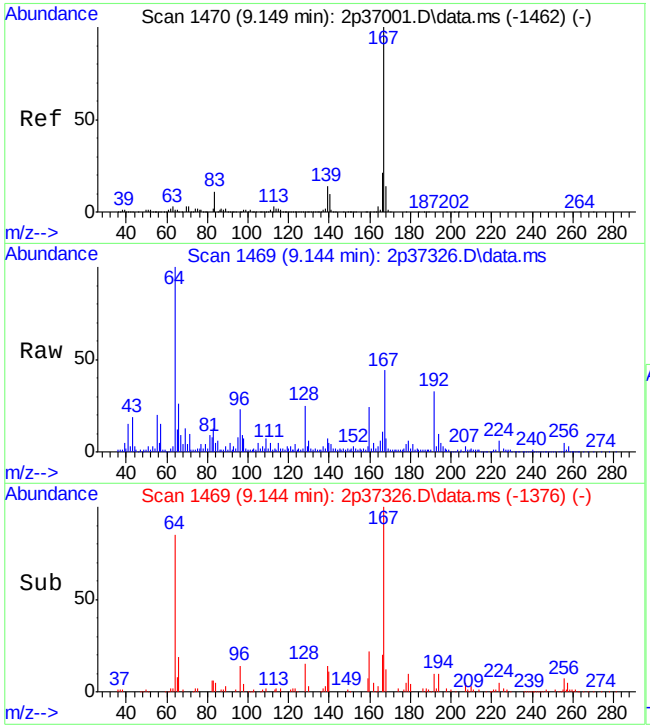


#78
Anthracene
Concen: 3.29 ppb
RT: 8.903 min Scan# 1424
Delta R.T. -0.027 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:178 Resp: 128546

Ion	Ratio	Lower	Upper
178	100		
179	6.8	0.0	45.7
176	18.1	0.0	49.4

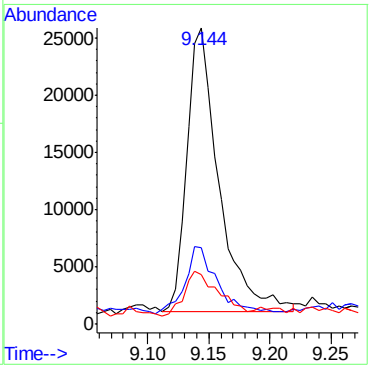


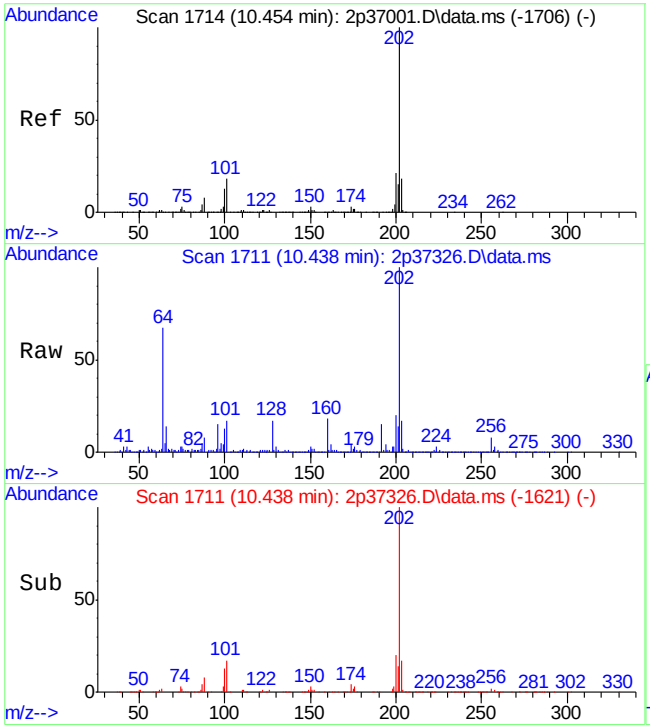


#79
Carbazole
Concen: 0.99 ppb
RT: 9.144 min Scan# 1469
Delta R.T. -0.005 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:167 Resp: 45323

Ion	Ratio	Lower	Upper
167	100		
166	21.9	0.0	51.1
139	13.4	0.0	43.6

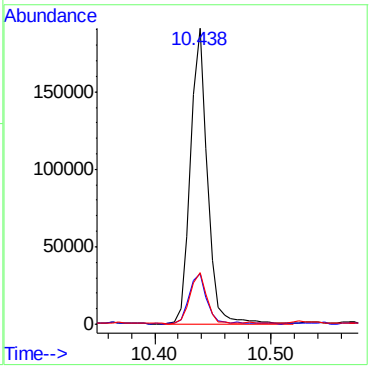


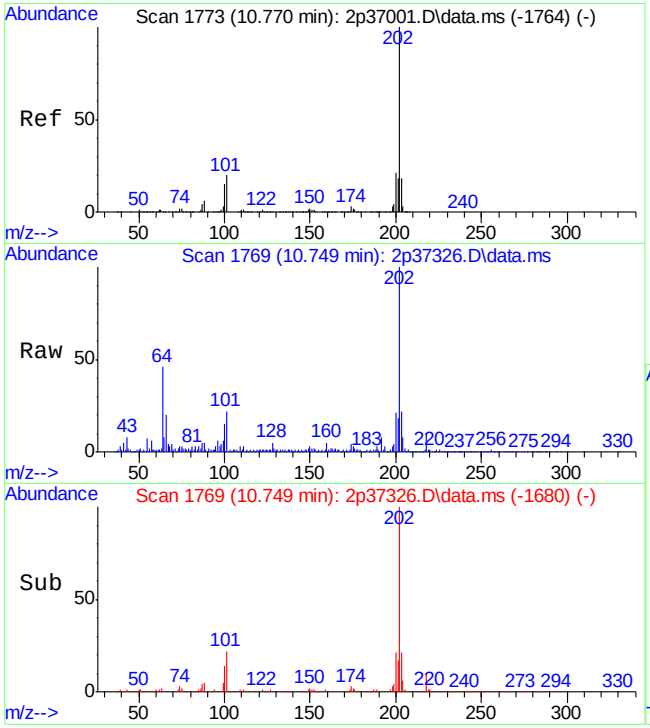


#81
Fluoranthene
Concen: 4.55 ppb
RT: 10.438 min Scan# 1711
Delta R.T. -0.016 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:202 Resp: 190752

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	47.9
203	16.9	0.0	47.7

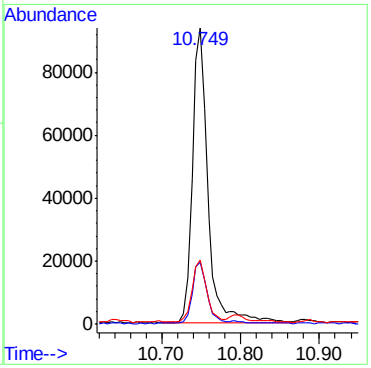


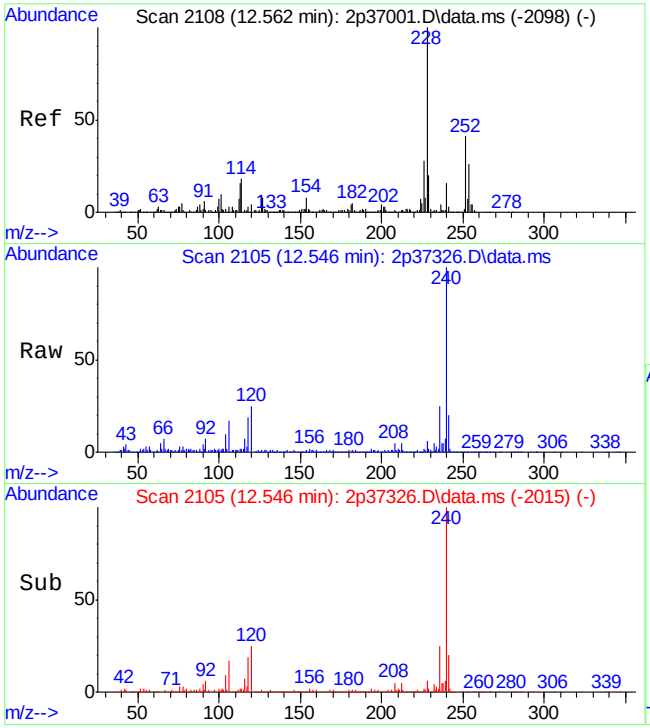


#84
Pyrene
Concen: 3.33 ppb
RT: 10.749 min Scan# 1769
Delta R.T. -0.021 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:202 Resp: 128540

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	51.4
203	21.2	0.0	48.0

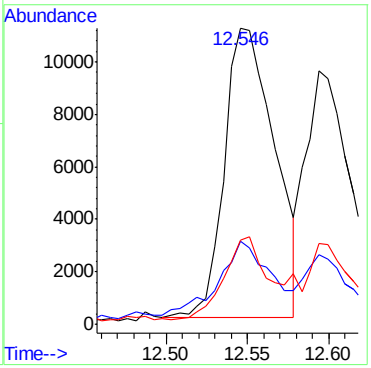


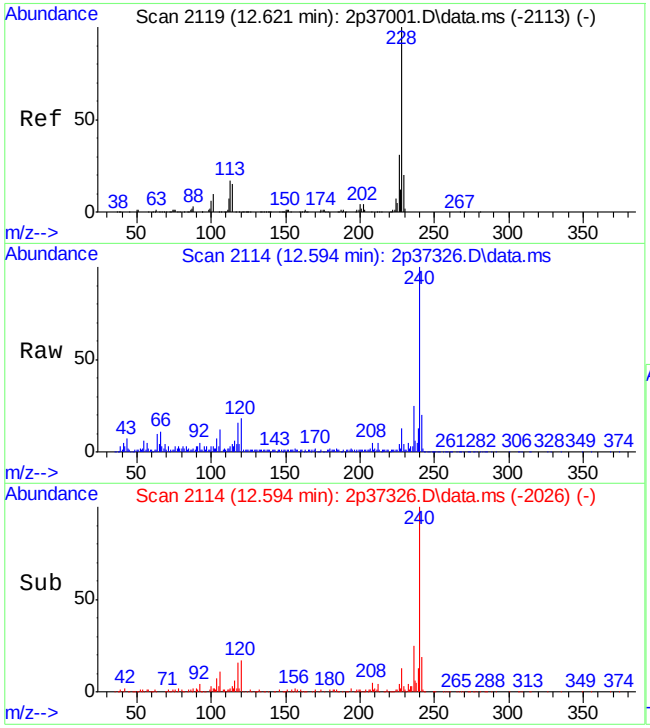


#88
Benzo[a]anthracene
Concen: 0.72 ppb
RT: 12.546 min Scan# 2105
Delta R.T. -0.016 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:228 Resp: 23570

Ion	Ratio	Lower	Upper
228	100		
229	25.9	0.0	49.6
226	23.4	0.0	58.5

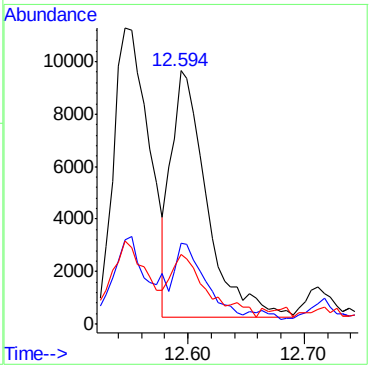




#90
Chrysene
Concen: 0.70 ppb
RT: 12.594 min Scan# 2114
Delta R.T. -0.027 min
Lab File: 2p37326.D
Acq: 6 Jun 2014 7:00 pm

Tgt Ion:228 Resp: 19912

Ion	Ratio	Lower	Upper
228	100		
226	27.2	0.5	60.5
229	25.3	0.0	49.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37314.D
Acq On : 6 Jun 2014 12:17 pm
Operator : andrews1
Sample : op75292-mb1
Misc : op75292,e2p1552,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 15:20:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

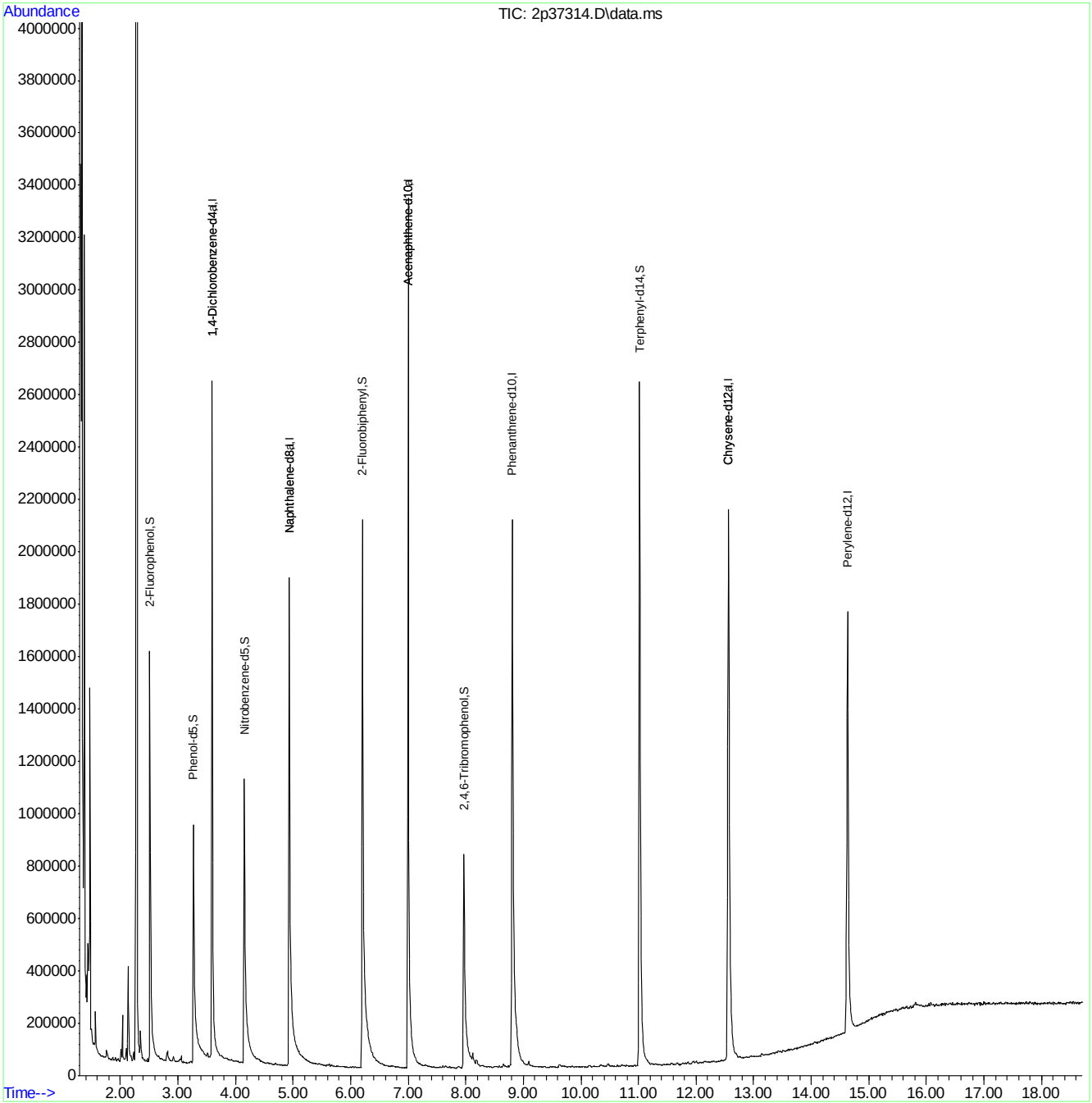
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	488668	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1756682	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	1018275	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1617141	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1361041	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	922176	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	488668	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	1018275	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1361041	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1756682	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.512	112	629188	37.64	ppb	-0.01
Spiked Amount 50.000	Range 11 - 58		Recovery = 75.28%#			
8) Phenol-d5	3.271	99	739501	36.61	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 73.22%#			
25) Nitrobenzene-d5	4.154	82	803138	51.21	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 102.42%#			
51) 2-Fluorobiphenyl	6.208	172	1461281	45.69	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 91.38%#			
73) 2,4,6-Tribromophenol	7.967	330	194691	51.89	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 103.78%#			
85) Terphenyl-d14	11.021	244	1478831	54.63	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 109.26%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37314.D
Acq On : 6 Jun 2014 12:17 pm
Operator : andrews1
Sample : op75292-mb1
Misc : op75292,e2p1552,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 15:20:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37282.D
Acq On : 6 Jun 2014 12:08 am
Operator : ashleyd
Sample : op75345-mb1
Misc : op75345,e2p1551,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 09:38:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

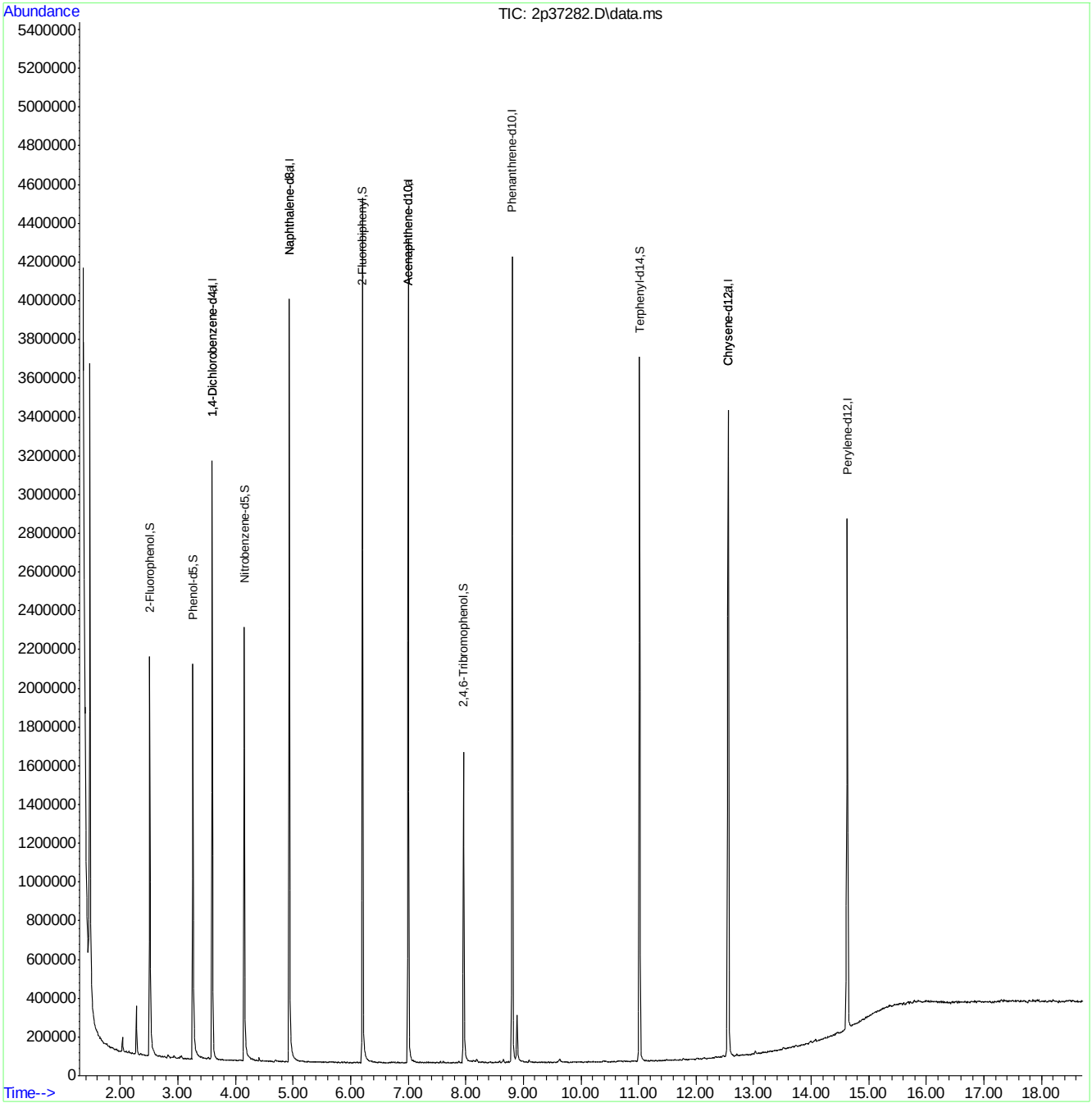
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	466472	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1825731	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	984253	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1522128	40.00	ppb	-0.03
83) Chrysene-d12	12.557	240	1339437	40.00	ppb	-0.02
92) Perylene-d12	14.626	264	1035298	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	466472	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	984253	40.00	ppb	-0.03
107) Chrysene-d12a	12.557	240	1339437	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1825731	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.506	112	635550	39.83	ppb	-0.02
Spiked Amount 50.000	Range 11 - 58		Recovery = 79.66%#			
8) Phenol-d5	3.261	99	759129	39.38	ppb	-0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 78.76%#			
25) Nitrobenzene-d5	4.154	82	750996	46.08	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 92.16%#			
51) 2-Fluorobiphenyl	6.208	172	1333971	43.15	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 86.30%#			
73) 2,4,6-Tribromophenol	7.962	330	175128	49.59	ppb	-0.03
Spiked Amount 50.000	Range 12 - 68		Recovery = 99.18%#			
85) Terphenyl-d14	11.021	244	1310547	49.19	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 98.38%#			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37282.D
Acq On : 6 Jun 2014 12:08 am
Operator : ashleyd
Sample : op75345-mb1
Misc : op75345,e2p1551,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 09:38:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92220.D
Acq On : 6 Jun 2014 12:05 pm
Operator : ashleyv
Sample : op75363-mb1
Misc : op75363,ez4586,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 14:01:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

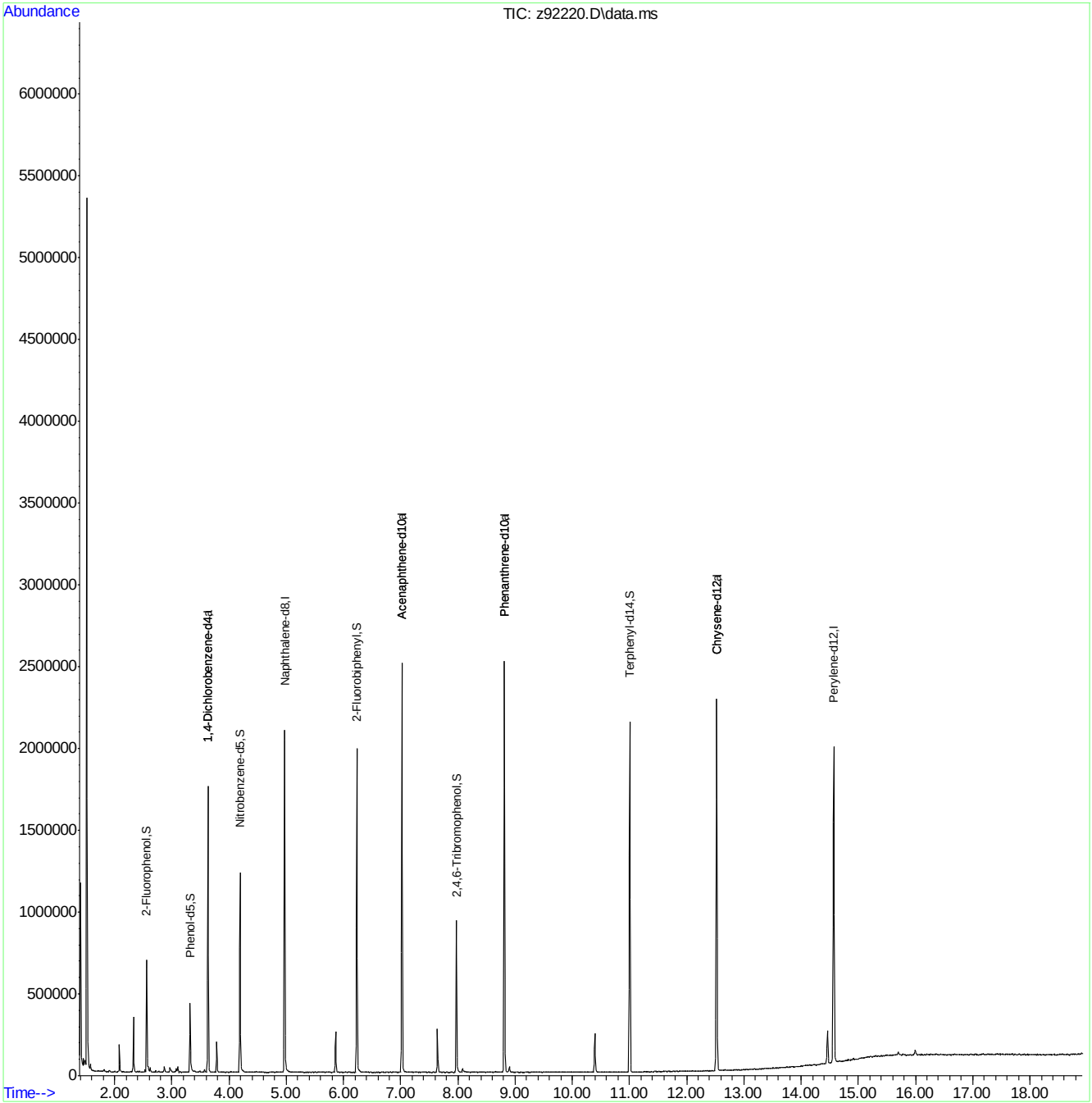
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.636	152	247640	40.00	ppb	0.00
24) Naphthalene-d8	4.972	136	1003034	40.00	ppb	0.00
47) Acenaphthene-d10	7.023	164	541729	40.00	ppb	0.00
69) Phenanthrene-d10	8.813	188	914390	40.00	ppb	-0.01
83) Chrysene-d12	12.526	240	921171	40.00	ppb	-0.02
92) Perylene-d12	14.572	264	839219	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.636	152	247640	40.00	ppb	0.00
104) Phenanthrene-d10a	8.813	188	914390	40.00	ppb	-0.01
106) Chrysene-d12a	12.526	240	921171	40.00	ppb	-0.02
108) Acenaphthene-d10a	7.023	164	541729	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.557	112	183071	21.63	ppb	0.00
Spiked Amount 50.000			Recovery = 43.26%			
8) Phenol-d5	3.316	99	151411	14.21	ppb	0.00
Spiked Amount 50.000			Recovery = 28.42%			
25) Nitrobenzene-d5	4.192	82	365327	41.33	ppb	0.00
Spiked Amount 50.000			Recovery = 82.66%			
51) 2-Fluorobiphenyl	6.238	172	635706	37.02	ppb	0.00
Spiked Amount 50.000			Recovery = 74.04%			
73) 2,4,6-Tribromophenol	7.979	330	110639	49.52	ppb	0.00
Spiked Amount 50.000			Recovery = 99.04%			
86) Terphenyl-d14	11.003	244	831446	44.88	ppb	-0.01
Spiked Amount 50.000			Recovery = 89.76%			
Target Compounds						Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92220.D
Acq On : 6 Jun 2014 12:05 pm
Operator : ashleyv
Sample : op75363-mb1
Misc : op75363,ez4586,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 14:01:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37315.D
Acq On : 6 Jun 2014 12:41 pm
Operator : andrews1
Sample : op75292-bs1
Misc : op75292,e2p1552,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 15:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.592	152	530858	40.00	ppb		-0.03
24) Naphthalene-d8	4.935	136	1946953	40.00	ppb		-0.03
47) Acenaphthene-d10	6.999	164	1101326	40.00	ppb		-0.03
69) Phenanthrene-d10	8.807	188	1705780	40.00	ppb		-0.03
83) Chrysene-d12	12.567	240	1595112	40.00	ppb		-0.01
92) Perylene-d12	14.637	264	1031574	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	530858	40.00	ppb		-0.03
104) Acenaphthene-d10a	6.999	164	1101326	40.00	ppb		-0.03
107) Chrysene-d12a	12.567	240	1595112	40.00	ppb		-0.01
109) Naphthalene-d8a	4.935	136	1946953	40.00	ppb		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	2.517	112	642077	35.36	ppb		0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 70.72%#				
8) Phenol-d5	3.271	99	830297	37.84	ppb		0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 75.68%#				
25) Nitrobenzene-d5	4.154	82	738159	42.47	ppb		-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 84.94%#				
51) 2-Fluorobiphenyl	6.208	172	1417781	40.98	ppb		-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 81.96%#				
73) 2,4,6-Tribromophenol	7.967	330	207101	52.33	ppb		-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 104.66%#				
85) Terphenyl-d14	11.016	244	1402671	44.21	ppb		-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 88.42%#				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.592	88	171150	21.60	ppb		91
3) Pyridine	1.747	79	601212	29.46	ppb		79
4) N-Nitrosodimethylamine	1.720	74	377848	37.03	ppb	#	53
6) Indene	3.849	116	1435483	41.10	ppb		98
7) Cumene	2.886	105	1832896	36.53	ppb		98
9) Phenol	3.287	94	994436	42.27	ppb	#	29
10) Aniline	3.287	93	980968	39.12	ppb		49
11) bis(2-Chloroethyl)ether	3.335	93	677911	41.35	ppb		99
12) 2-Chlorophenol	3.410	128	750684	37.44	ppb		99
13) Decane	3.432	57	700752	34.50	ppb		96
14) 1,3-Dichlorobenzene	3.539	146	829478	38.22	ppb		100
15) 1,4-Dichlorobenzene	3.608	146	855510	39.79	ppb		99
16) Benzyl alcohol	3.737	108	504969	42.09	ppb		91
17) 1,2-Dichlorobenzene	3.758	146	823154	40.78	ppb		100
18) Acetophenone	3.999	105	1170103	40.70	ppb		89
19) 2-Methylphenol	3.865	108	630587	38.41	ppb		97
20) 2,2'-oxybis(1-Chloropr...	3.860	121	211685	40.52	ppb	#	80
21) 3&4-Methylphenol	4.025	108	658676	38.61	ppb		98
22) n-Nitroso-di-n-propyla...	3.999	70	484963	44.88	ppb		93
23) Hexachloroethane	4.095	201	279982	41.89	ppb		97
26) Nitrobenzene	4.175	77	780866	43.65	ppb		98
27) Quinoline	5.352	129	1764301	42.64	ppb		99
28) Isophorone	4.426	82	1286600	42.11	ppb		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37315.D
Acq On : 6 Jun 2014 12:41 pm
Operator : andrews1
Sample : op75292-bs1
Misc : op75292,e2p1552,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 15:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.517	139	413230	44.41	ppb		92
30) 2,4-Dimethylphenol	4.592	107	643757	44.59	ppb		95
31) Benzoic acid	4.747	105	430497	36.39	ppb		97
32) bis(2-Chloroethoxy)met...	4.673	93	857055	45.24	ppb		99
33) 2,4-Dichlorophenol	4.806	162	607263	42.96	ppb		98
34) 2,6-Dichlorophenol	5.047	162	585479	43.71	ppb		99
36) 1,2,4-Trichlorobenzene	4.876	180	684290	43.42	ppb		98
37) 1,2,3-Trichlorobenzene	5.127	180	2346	0.14	ppb	#	75
38) Naphthalene	4.961	128	2207205	42.46	ppb		99
39) 4-Chloroaniline	5.042	127	880681	39.01	ppb		98
40) 2,3-Dichloroaniline	6.106	161	853362	41.85	ppb		99
41) Caprolactam	5.459	113	221939	38.05	ppb		93
42) Hexachlorobutadiene	5.111	225	349530	45.55	ppb		98
43) 4-Chloro-3-methylphenol	5.657	107	645028	43.13	ppb		98
44) 2-Methylnaphthalene	5.764	141	1386876	46.00	ppb		96
45) 1-Methylnaphthalene	5.876	141	1475591	43.33	ppb		99
46) Dimethylnaphthalene	6.512	156	1451813	44.02	ppb		98
48) Hexachlorocyclopentadiene	5.956	237	674667	84.60	ppb		99
49) 2,4,6-Trichlorophenol	6.127	196	390025	42.38	ppb		98
50) 2,4,5-Trichlorophenol	6.186	196	460478	44.90	ppb		96
52) 2-Chloronaphthalene	6.341	162	1373322	42.05	ppb		98
53) Biphenyl	6.325	154	2026048	42.17	ppb		100
54) 2-Nitroaniline	6.486	65	482408	51.26	ppb		95
55) Dimethylphthalate	6.710	163	1575222	44.08	ppb		99
56) Acenaphthylene	6.828	152	1980357	36.85	ppb		99
57) 2,6-Dinitrotoluene	6.780	165	360127	47.38	ppb		99
58) 3-Nitroaniline	6.989	138	411781	40.24	ppb		92
59) Acenaphthene	7.042	153	1527256	45.61	ppb		98
60) 2,4-Dinitrophenol	7.128	184	335366	82.67	ppb		83
61) 4-Nitrophenol	7.288	109	180686	39.49	ppb	#	63
62) Dibenzofuran	7.256	168	2030140	45.77	ppb		98
63) 2,4-Dinitrotoluene	7.272	165	479881	47.96	ppb		89
64) 2,3,4,6-Tetrachlorophenol	7.432	232	321600	48.08	ppb		90
65) Diethylphthalate	7.566	149	1624535	43.59	ppb		100
66) Fluorene	7.668	166	1676896	46.64	ppb		98
67) 4-Chlorophenyl-phenyle...	7.678	204	707422	48.08	ppb		96
68) 4-Nitroaniline	7.737	138	427702	42.88	ppb		89
70) 4,6-Dinitro-2-methylph...	7.775	198	202844	40.58	ppb		93
71) n-Nitrosodiphenylamine	7.834	169	1077806	45.48	ppb		99
72) 1,2-Diphenylhydrazine	7.871	77	1621138	43.73	ppb		99
74) 4-Bromophenyl-phenylether	8.267	248	399037	47.72	ppb		96
75) Hexachlorobenzene	8.342	284	459948	46.76	ppb		97
76) Pentachlorophenol	8.609	266	224537	38.71	ppb		98
77) Phenanthrene	8.839	178	2038270	41.05	ppb		99
78) Anthracene	8.903	178	2289997	46.87	ppb		99
79) Carbazole	9.139	167	2198933	38.61	ppb		100
80) Di-n-butylphthalate	9.631	149	2949958	47.82	ppb		99
81) Fluoranthene	10.433	202	2369835	45.26	ppb		99
82) Octadecane	8.738	43	737644	47.05	ppb		85
84) Pyrene	10.749	202	2368525	42.57	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37315.D
Acq On : 6 Jun 2014 12:41 pm
Operator : andrews1
Sample : op75292-bs1
Misc : op75292,e2p1552,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 15:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

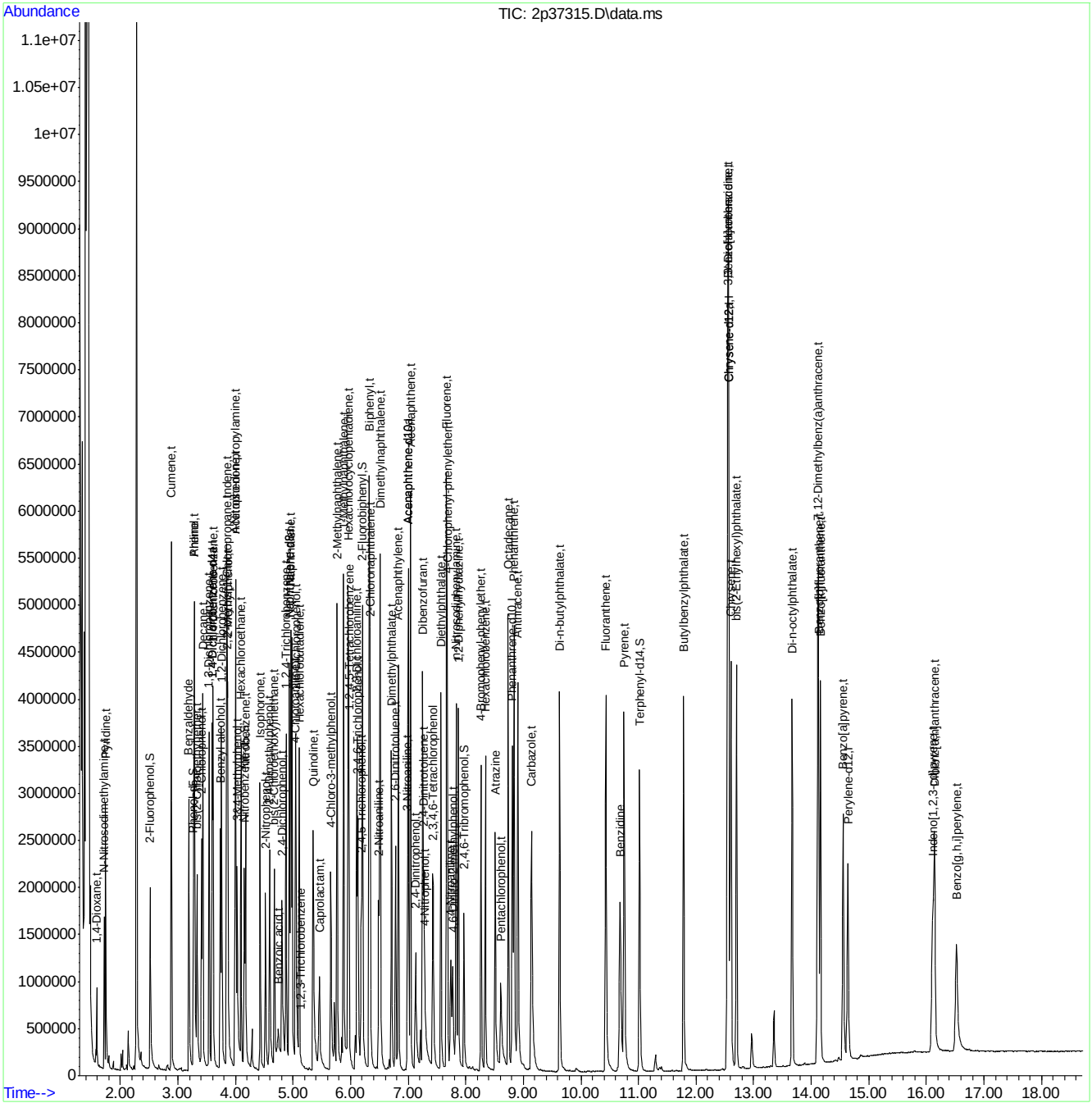
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	11.781	149	1283321	49.19	ppb	96
88) Benzo[a]anthracene	12.551	228	2058972	43.66	ppb	98
89) 3,3'-Dichlorobenzidine	12.562	252	1375822	90.47	ppb	96
90) Chrysene	12.605	228	1831853	44.57	ppb	98
91) bis(2-Ethylhexyl)phtha...	12.701	149	1670982	47.85	ppb	98
93) Di-n-octylphthalate	13.669	149	2828402	54.91	ppb	98
94) Benzo[b]fluoranthene	14.129	252	1812598	54.05	ppb	98
95) Benzo[k]fluoranthene	14.161	252	1603648	52.39	ppb	99
96) Benzo[a]pyrene	14.557	252	1421075	50.02	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.108	276	1509263	44.40	ppb	97
99) Dibenz[a,h]anthracene	16.140	278	1274857	47.01	ppb	99
100) 7,12-Dimethylbenz(a)an...	14.118	256	908101	51.78	ppb	99
101) Benzo[g,h,i]perylene	16.525	276	1173640	42.41	ppb	95
103) Benzaldehyde	3.191	105	594303	42.19	ppb	95
105) Atrazine	8.513	215	202788	53.03	ppb	98
106) 1,2,4,5-Tetrachloroben...	5.972	216	634253	41.82	ppb	98
108) Benzidine	10.679	184	1525803	54.10	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37315.D
Acq On : 6 Jun 2014 12:41 pm
Operator : andrews1
Sample : op75292-bs1
Misc : op75292,e2p1552,35.0
ALS Vial : 5 Sample Multiplier: 1

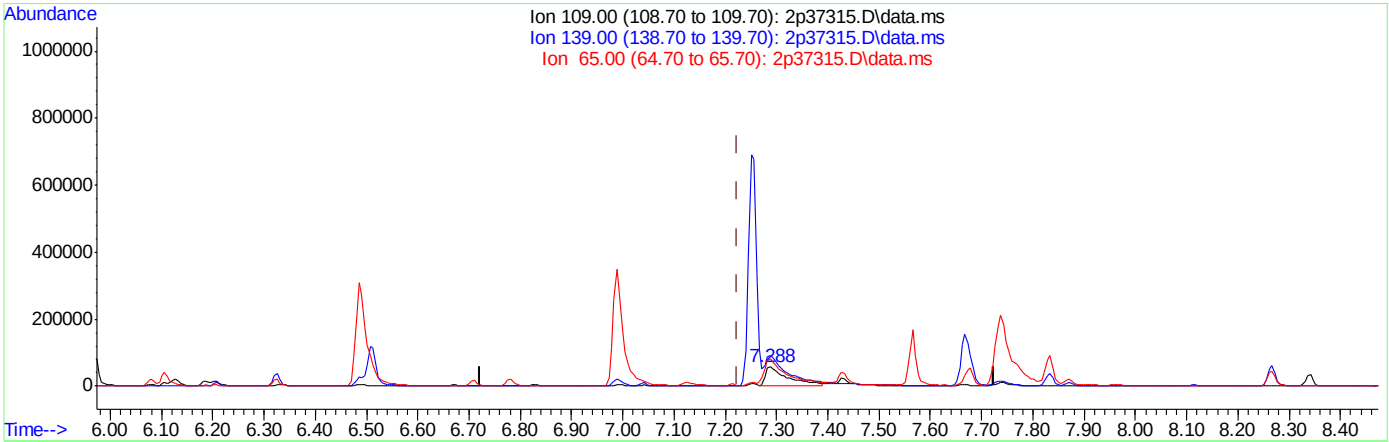
Quant Time: Jun 06 15:22:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

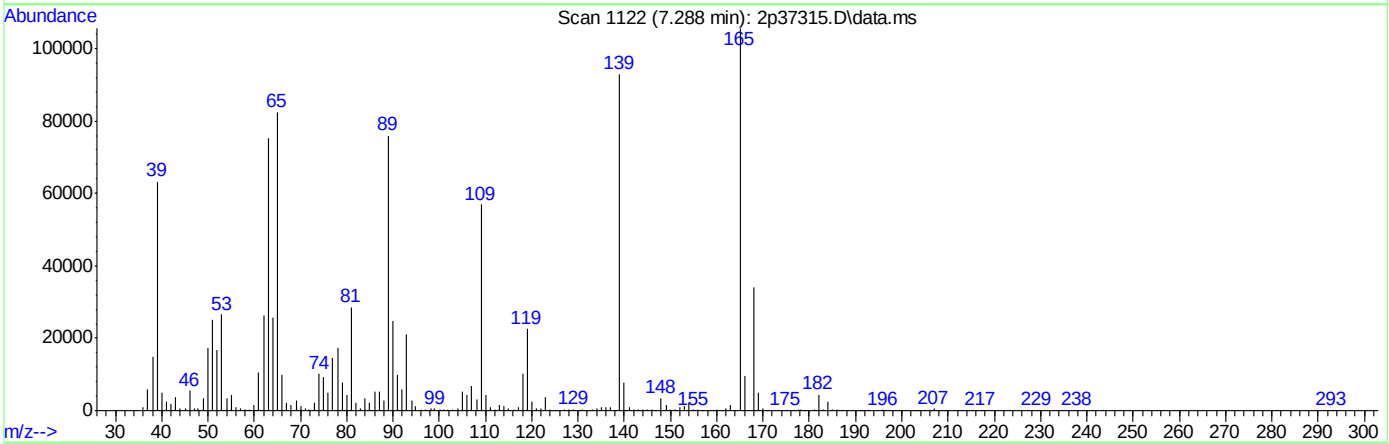


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37315.D
Acq On : 6 Jun 2014 12:41 pm
Operator : andrews1
Sample : op75292-bs1
Misc : op75292,e2p1552,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 12:58:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37315.D\data.ms

(61) 4-Nitrophenol (t)

7.288min (+0.064) 38.98ppb m

response 178350

Ion	Exp%	Act%
109.00	100	100
139.00	152.50	163.30
65.00	135.60	144.69
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37283.D
Acq On : 6 Jun 2014 12:31 am
Operator : ashleyd
Sample : op75345-bs1
Misc : op75345,e2p1551,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 09:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	461125	40.00	ppb	-0.03
24) Naphthalene-d8	4.934	136	1742415	40.00	ppb	-0.03
47) Acenaphthene-d10	7.004	164	963654	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1523633	40.00	ppb	-0.03
83) Chrysene-d12	12.567	240	1410108	40.00	ppb	-0.01
92) Perylene-d12	14.632	264	1063975	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	461125	40.00	ppb	-0.03
104) Acenaphthene-d10a	7.004	164	963654	40.00	ppb	-0.03
107) Chrysene-d12a	12.567	240	1410108	40.00	ppb	-0.01
109) Naphthalene-d8a	4.934	136	1742415	40.00	ppb	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.512	112	646878	41.01	ppb	-0.01
Spiked Amount 50.000	Range 11 - 58		Recovery = 82.02%#			
8) Phenol-d5	3.266	99	778145	40.83	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 81.66%#			
25) Nitrobenzene-d5	4.154	82	703247	45.21	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 90.42%#			
51) 2-Fluorobiphenyl	6.207	172	1251780	41.36	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 82.72%#			
73) 2,4,6-Tribromophenol	7.967	330	180525	51.07	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 102.14%#			
85) Terphenyl-d14	11.021	244	1258035	44.85	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 89.70%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.586	88	215833	31.35	ppb	91
3) Pyridine	1.747	79	602269	33.98	ppb	87
4) N-Nitrosodimethylamine	1.720	74	352719	39.80	ppb	69
6) Indene	3.849	116	1357502	44.75	ppb	98
7) Cumene	2.886	105	1821225	41.78	ppb	97
9) Phenol	3.276	94	838964	41.06	ppb	83
10) Aniline	3.287	93	658508	30.23	ppb	75
11) bis(2-Chloroethyl)ether	3.335	93	608918	42.76	ppb	98
12) 2-Chlorophenol	3.405	128	693156	39.79	ppb	97
13) Decane	3.437	57	753203	42.69	ppb	95
14) 1,3-Dichlorobenzene	3.544	146	752240	39.90	ppb	99
15) 1,4-Dichlorobenzene	3.608	146	760293	40.70	ppb	99
16) Benzyl alcohol	3.731	108	466645	44.77	ppb	88
17) 1,2-Dichlorobenzene	3.763	146	733694	41.84	ppb	100
18) Acetophenone	3.998	105	1099502	44.03	ppb	89
19) 2-Methylphenol	3.859	108	589982	41.37	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.859	121	195163	43.01	ppb #	71
21) 3&4-Methylphenol	4.020	108	593118	40.02	ppb	97
22) n-Nitroso-di-n-propyla...	3.998	70	464895	49.53	ppb	91
23) Hexachloroethane	4.100	201	251420	43.30	ppb	93
26) Nitrobenzene	4.175	77	719093	44.92	ppb	96
27) Quinoline	5.346	129	1567872	42.34	ppb	98
28) Isophorone	4.432	82	1191393	43.57	ppb	95

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37283.D
Acq On : 6 Jun 2014 12:31 am
Operator : ashleyd
Sample : op75345-bs1
Misc : op75345,e2p1551,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 09:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.517	139	368847	44.30	ppb		88
30) 2,4-Dimethylphenol	4.587	107	664025	51.40	ppb		96
31) Benzoic acid	4.747	105	421970	39.44	ppb		96
32) bis(2-Chloroethoxy)met...	4.672	93	772691	45.58	ppb		98
33) 2,4-Dichlorophenol	4.801	162	533804	42.20	ppb		97
34) 2,6-Dichlorophenol	5.047	162	511267	42.65	ppb		99
36) 1,2,4-Trichlorobenzene	4.881	180	597351	42.36	ppb		97
38) Naphthalene	4.961	128	1951414	41.95	ppb		100
39) 4-Chloroaniline	5.036	127	524347	25.95	ppb		95
40) 2,3-Dichloroaniline	6.106	161	700319	38.37	ppb		99
41) Caprolactam	5.459	113	220693	42.28	ppb		89
42) Hexachlorobutadiene	5.111	225	309997	45.14	ppb		100
43) 4-Chloro-3-methylphenol	5.646	107	595087	44.46	ppb		98
44) 2-Methylnaphthalene	5.764	141	1208397	44.79	ppb		97
45) 1-Methylnaphthalene	5.881	141	1332365	43.72	ppb		98
46) Dimethylnaphthalene	6.512	156	1290595	43.72	ppb		100
48) Hexachlorocyclopentadiene	5.961	237	647855	92.84	ppb		98
49) 2,4,6-Trichlorophenol	6.122	196	353467	43.90	ppb		99
50) 2,4,5-Trichlorophenol	6.175	196	389697	43.43	ppb		98
52) 2-Chloronaphthalene	6.341	162	1186203	41.51	ppb		98
53) Biphenyl	6.325	154	1801445	42.85	ppb		100
54) 2-Nitroaniline	6.480	65	444413	53.97	ppb		88
55) Dimethylphthalate	6.710	163	1367915	43.75	ppb		99
56) Acenaphthylene	6.828	152	1692887	36.00	ppb		99
57) 2,6-Dinitrotoluene	6.780	165	307333	46.21	ppb		99
58) 3-Nitroaniline	6.978	138	263787	29.46	ppb		88
59) Acenaphthene	7.042	153	1308869	44.67	ppb		100
60) 2,4-Dinitrophenol	7.117	184	327289	90.81	ppb		82
61) 4-Nitrophenol	7.256	109	205013	51.20	ppb	#	1
62) Dibenzofuran	7.256	168	1769439	45.59	ppb		88
63) 2,4-Dinitrotoluene	7.272	165	410834	46.92	ppb		85
64) 2,3,4,6-Tetrachlorophenol	7.427	232	278643	47.61	ppb		97
65) Diethylphthalate	7.571	149	1466872	44.98	ppb		100
66) Fluorene	7.668	166	1425854	45.32	ppb		98
67) 4-Chlorophenyl-phenyle...	7.678	204	596930	46.37	ppb		98
68) 4-Nitroaniline	7.726	138	373167	42.75	ppb		87
70) 4,6-Dinitro-2-methylph...	7.769	198	199604	44.25	ppb		98
71) n-Nitrosodiphenylamine	7.833	169	927364	43.81	ppb		99
72) 1,2-Diphenylhydrazine	7.871	77	1468661	44.35	ppb		96
74) 4-Bromophenyl-phenylether	8.272	248	336133	45.00	ppb		93
75) Hexachlorobenzene	8.347	284	381198	43.38	ppb		99
76) Pentachlorophenol	8.604	266	207523	39.86	ppb		98
77) Phenanthrene	8.839	178	1859407	41.93	ppb		100
78) Anthracene	8.903	178	1913796	43.85	ppb		99
79) Carbazole	9.133	167	1980364	38.93	ppb		99
80) Di-n-butylphthalate	9.636	149	2632165	47.77	ppb		99
81) Fluoranthene	10.433	202	2061630	44.08	ppb		99
82) Octadecane	8.748	43	706119	50.43	ppb		89
84) Pyrene	10.748	202	2071299	42.11	ppb		99
86) Butylbenzylphthalate	11.786	149	1162140	50.39	ppb		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37283.D
Acq On : 6 Jun 2014 12:31 am
Operator : ashleyd
Sample : op75345-bs1
Misc : op75345,e2p1551,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 09:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

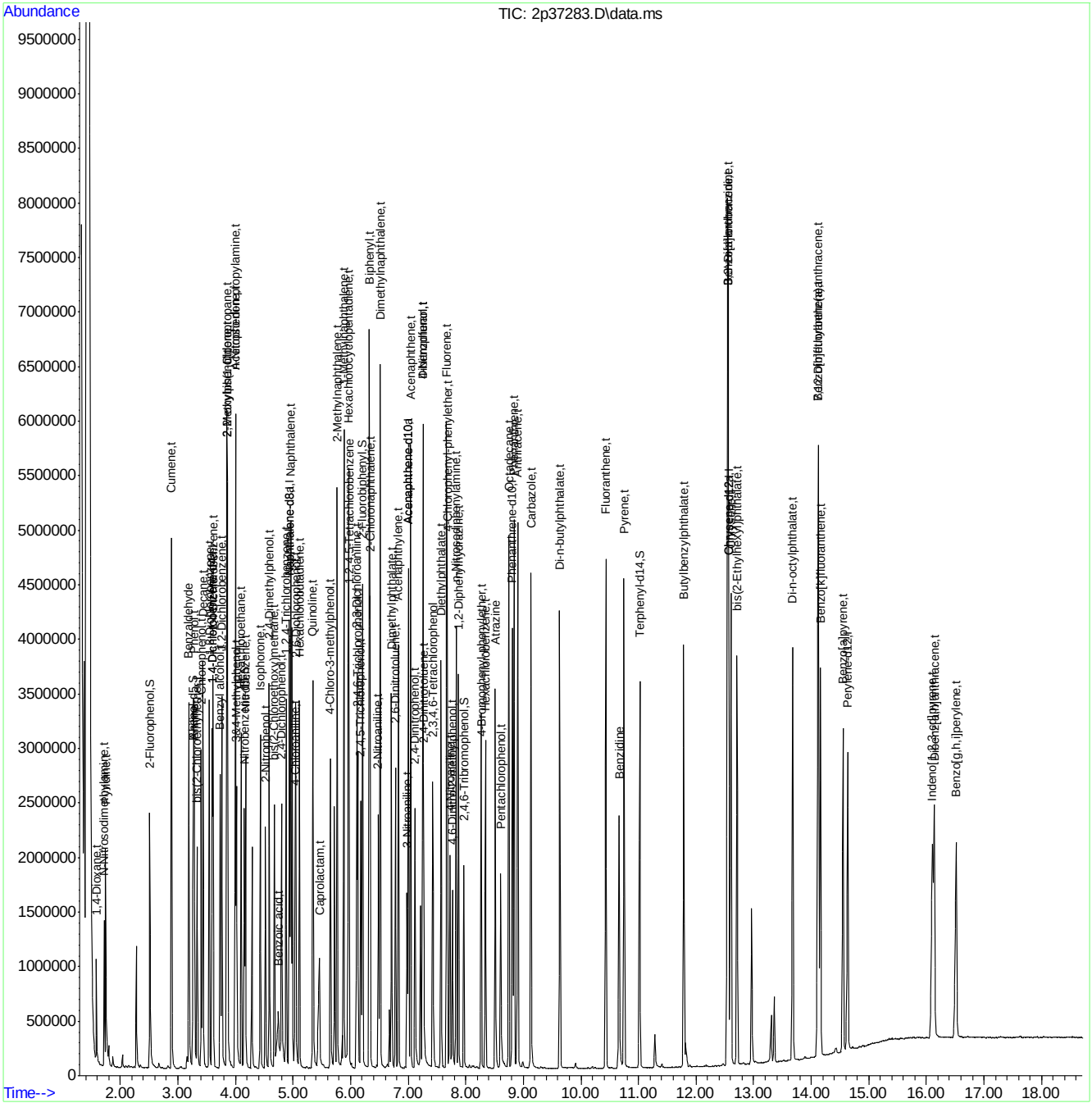
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.551	228	1790373	42.95	ppb	99
89)	3,3'-Dichlorobenzidine	12.551	252	886430	65.94	ppb	98
90)	Chrysene	12.604	228	1593084	43.84	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.711	149	1518856	49.20	ppb	99
93)	Di-n-octylphthalate	13.674	149	2582676	48.27	ppb	98
94)	Benzo[b]fluoranthene	14.123	252	1663094	48.08	ppb	95
95)	Benzo[k]fluoranthene	14.161	252	1362408	43.16	ppb	99
96)	Benzo[a]pyrene	14.557	252	1312493	44.79	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.102	276	1389399	39.63	ppb	97
99)	Dibenz[a,h]anthracene	16.140	278	1182327	42.27	ppb	97
100)	7,12-Dimethylbenz(a)an...	14.123	256	823833	45.89	ppb	99
101)	Benzo[g,h,i]perylene	16.520	276	1148561	40.24	ppb	96
103)	Benzaldehyde	3.191	105	625778	51.15	ppb	93
105)	Atrazine	8.513	215	187694	56.10	ppb	89
106)	1,2,4,5-Tetrachloroben...	5.972	216	538545	40.58	ppb	98
108)	Benzidine	10.663	184	1156483	46.39	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37283.D
Acq On : 6 Jun 2014 12:31 am
Operator : ashleyd
Sample : op75345-bs1
Misc : op75345,e2p1551,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 09:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92221.D
Acq On : 6 Jun 2014 12:31 pm
Operator : ashleyv
Sample : op75363-bs1
Misc : op75363,ez4586,1000
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 14:03:01 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.636	152	249962	40.00	ppb		0.00
24) Naphthalene-d8	4.972	136	980189	40.00	ppb		0.00
47) Acenaphthene-d10	7.023	164	532365	40.00	ppb		0.00
69) Phenanthrene-d10	8.813	188	871650	40.00	ppb		-0.01
83) Chrysene-d12	12.531	240	853338	40.00	ppb		-0.01
92) Perylene-d12	14.577	264	803851	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.636	152	249962	40.00	ppb		0.00
104) Phenanthrene-d10a	8.813	188	871650	40.00	ppb		-0.01
106) Chrysene-d12a	12.531	240	853338	40.00	ppb		-0.01
108) Acenaphthene-d10a	7.023	164	532365	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.562	112	209120	24.48	ppb		0.00
Spiked Amount 50.000			Recovery = 48.96%				
8) Phenol-d5	3.316	99	193500	17.99	ppb		0.00
Spiked Amount 50.000			Recovery = 35.98%				
25) Nitrobenzene-d5	4.192	82	403280	46.69	ppb		0.00
Spiked Amount 50.000			Recovery = 93.38%				
51) 2-Fluorobiphenyl	6.238	172	751815	44.55	ppb		0.00
Spiked Amount 50.000			Recovery = 89.10%				
73) 2,4,6-Tribromophenol	7.979	330	128739	60.44	ppb		0.00
Spiked Amount 50.000			Recovery = 120.88%				
86) Terphenyl-d14	11.008	244	938396	54.68	ppb		0.00
Spiked Amount 50.000			Recovery = 109.36%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.638	88	84708	19.79	ppb		97
3) Pyridine	1.798	79	175490	15.83	ppb		95
4) N-Nitrosodimethylamine	1.766	74	147724	24.64	ppb		84
6) Indene	3.887	116	691771	40.87	ppb		97
7) Cumene	2.931	105	804626	33.61	ppb		98
9) Phenol	3.332	94	257215	21.30	ppb	#	1
10) Aniline	3.337	93	470384	35.85	ppb		89
11) bis(2-Chloroethyl)ether	3.380	93	365724	43.21	ppb		98
12) 2-Chlorophenol	3.449	128	361592	37.57	ppb		96
13) Decane	3.471	43	352702	30.81	ppb		91
14) 1,3-Dichlorobenzene	3.583	146	323253	31.18	ppb		98
15) 1,4-Dichlorobenzene	3.652	146	339059	31.93	ppb		100
16) Benzyl alcohol	3.780	108	242299	41.79	ppb		97
17) 1,2-Dichlorobenzene	3.802	146	329018	33.06	ppb		98
18) Acetophenone	4.037	105	596081	43.08	ppb		93
19) 2-Methylphenol	3.909	108	298869	36.87	ppb		97
20) 2,2'-oxybis(1-Chloropr...	3.898	121	115228	41.21	ppb	#	84
21) 3&4-Methylphenol	4.064	108	297353	34.18	ppb		99
22) n-Nitroso-di-n-propyla...	4.037	70	290011	47.55	ppb		93
23) Hexachloroethane	4.144	201	101417	30.90	ppb		91
26) Nitrobenzene	4.213	77	422470	44.24	ppb		94
27) Quinoline	5.378	129	914561	46.58	ppb		98
28) Isophorone	4.464	82	732722	46.46	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92221.D
Acq On : 6 Jun 2014 12:31 pm
Operator : ashleyv
Sample : op75363-bs1
Misc : op75363,ez4586,1000
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 14:03:01 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.555	139	223140	49.91	ppb		82
30) 2,4-Dimethylphenol	4.630	107	384346	51.54	ppb		95
31) Benzoic Acid	4.763	105	118098	28.30	ppb	#	65
32) bis(2-Chloroethoxy)met...	4.710	93	460677	48.04	ppb		100
33) 2,4-Dichlorophenol	4.838	162	323931	47.38	ppb		98
34) 2,6-Dichlorophenol	5.084	162	316934	47.27	ppb		99
36) 1,2,4-Trichlorobenzene	4.913	180	288201	35.39	ppb		98
38) Naphthalene	4.993	128	1059315	38.75	ppb		99
39) 4-Chloroaniline	5.079	127	469297	43.53	ppb		98
40) 2,3-Dichloroaniline	6.136	161	438229	46.82	ppb		98
41) Caprolactam	5.469	55	69428	15.24	ppb		97
42) Hexachlorobutadiene	5.148	225	144682	32.88	ppb		98
43) 4-Chloro-3-methylphenol	5.677	107	359560	49.50	ppb		97
44) 2-Methylnaphthalene	5.794	141	670986	45.18	ppb		98
45) 1-Methylnaphthalene	5.907	141	709035	43.34	ppb		98
46) Dimethylnaphthalene	6.532	156	751467	45.33	ppb		98
48) Hexachlorocyclopentadiene	5.987	237	317124	75.35	ppb		98
49) 2,4,6-Trichlorophenol	6.152	196	245259	53.09	ppb		98
50) 2,4,5-Trichlorophenol	6.200	196	264035	53.88	ppb		99
52) 2-Chloronaphthalene	6.366	162	674455	42.59	ppb		99
53) Biphenyl	6.350	154	1005758	44.66	ppb		99
54) 2-Nitroaniline	6.510	65	267933	61.69	ppb		90
55) Dimethylphthalate	6.740	163	880344	52.05	ppb		100
56) Acenaphthylene	6.852	152	1019645	40.98	ppb		99
57) 2,6-Dinitrotoluene	6.804	165	199869	57.66	ppb		98
58) 3-Nitroaniline	7.007	138	224644	51.29	ppb		92
59) Acenaphthene	7.061	153	750809	47.70	ppb		99
60) 2,4-Dinitrophenol	7.130	184	221482	94.46	ppb		82
61) 4-Nitrophenol	7.290	109	68400	34.51	ppb	#	67
62) Dibenzofuran	7.274	168	1091643	49.99	ppb		87
63) 2,4-Dinitrotoluene	7.285	165	274394	58.00	ppb		75
64) 2,3,4,6-Tetrachlorophenol	7.445	232	205102	51.70	ppb		98
65) Diethylphthalate	7.589	149	928904	56.42	ppb		100
66) Fluorene	7.680	166	869194	50.89	ppb		98
67) 4-Chlorophenyl-phenyle...	7.696	204	408676	51.13	ppb		91
68) 4-Nitroaniline	7.744	138	253650	57.78	ppb		86
70) 4,6-Dinitro-2-methylph...	7.771	198	155141	55.45	ppb		88
71) n-Nitrosodiphenylamine	7.851	169	625444	56.64	ppb		99
72) 1,2-Diphenylhydrazine	7.889	77	929407	54.12	ppb		98
74) 4-Bromophenyl-phenylether	8.284	248	242658	54.22	ppb		94
75) Hexachlorobenzene	8.348	284	283678	53.12	ppb		94
76) Pentachlorophenol	8.610	266	157395	57.97	ppb		98
77) Phenanthrene	8.845	178	1276220	50.34	ppb		99
78) Anthracene	8.909	178	1302209	52.99	ppb		99
79) Carbazole	9.139	167	1260726	49.53	ppb		99
80) Di-n-butylphthalate	9.636	149	1546047	61.83	ppb		99
81) Fluoranthene	10.426	202	1353675	54.84	ppb		96
82) Octadecane	8.743	57	649204	54.24	ppb		93
84) Pyrene	10.741	202	1413593	54.33	ppb		96
87) Butylbenzylphthalate	11.767	149	678813	64.69	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92221.D
Acq On : 6 Jun 2014 12:31 pm
Operator : ashleyv
Sample : op75363-bs1
Misc : op75363,ez4586,1000
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 14:03:01 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 06 13:55:00 2014
Response via : Initial Calibration

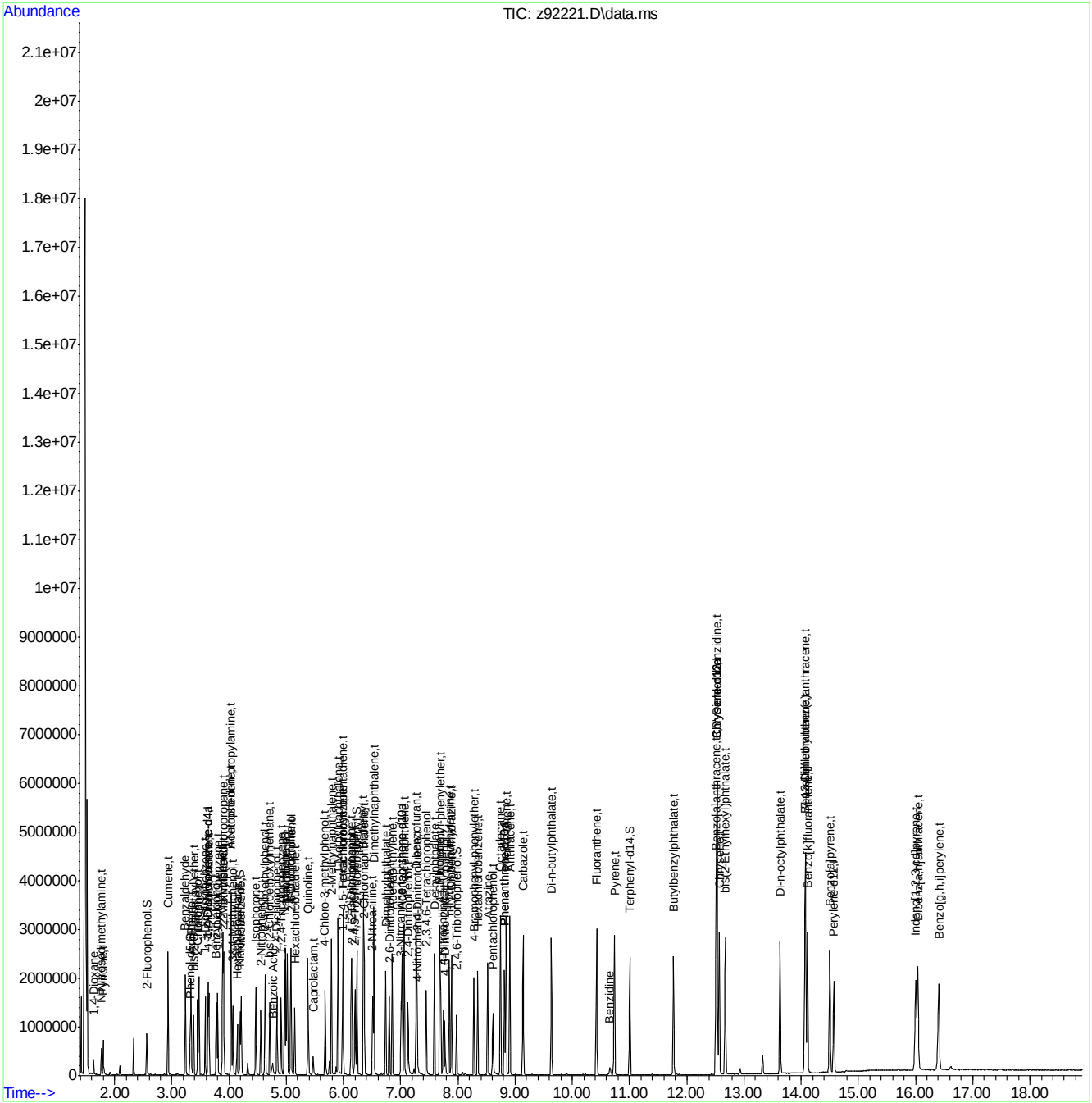
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) Benzo[a]anthracene	12.515	228	1318023	56.16	ppb		100
89) 3,3'-Dichlorobenzidine	12.531	252	897363	116.32	ppb		98
90) Chrysene	12.574	228	1315844	56.48	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.675	149	939024	65.89	ppb		100
93) Di-n-octylphthalate	13.632	149	1624037	58.90	ppb		99
94) Benzo[b]fluoranthene	14.070	252	1433338	59.83	ppb		98
95) Benzo[k]fluoranthene	14.112	252	1346047	54.40	ppb		97
96) Benzo[a]pyrene	14.502	252	1251941	58.83	ppb		96
97) Indeno[1,2,3-cd]pyrene	16.003	276	1240673	60.44	ppb		97
99) Dibenz[a,h]anthracene	16.041	278	1274749	58.89	ppb		97
100) 7,12-Dimethylbenz(a)an...	14.075	256	679627	72.85	ppb		99
101) Benzo[g,h,i]perylene	16.409	276	1234539	57.73	ppb		95
103) Benzaldehyde	3.236	105	337241	57.46	ppb		85
105) Atrazine	8.524	215	138555	73.08	ppb	#	78
107) Benzidine	10.656	184	77418	8.84	ppb		97
109) 1,2,4,5-Tetrachloroben...	5.997	216	277498	43.18	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92221.D
Acq On : 6 Jun 2014 12:31 pm
Operator : ashleyv
Sample : op75363-bs1
Misc : op75363,ez4586,1000
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 14:03:01 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 06 13:55:00 2014
Response via : Initial Calibration



MZ4569.M Fri Jun 06 14:03:13 2014 RTE Page: 4

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/10/14 15:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.592	152	512648	40.00	ppb		-0.03
24) Naphthalene-d8	4.940	136	1896890	40.00	ppb		-0.03
47) Acenaphthene-d10	7.005	164	1055590	40.00	ppb		-0.03
69) Phenanthrene-d10	8.813	188	1515361	40.00	ppb		-0.02
83) Chrysene-d12	12.573	240	1306133	40.00	ppb		0.00
92) Perylene-d12	14.643	264	913957	40.00	ppb		0.01
102) 1,4-Dichlorobenzene-d4a	3.592	152	512648	40.00	ppb		-0.03
104) Acenaphthene-d10a	7.005	164	1055590	40.00	ppb		-0.03
107) Chrysene-d12a	12.573	240	1306133	40.00	ppb		0.00
109) Naphthalene-d8a	4.940	136	1896890	40.00	ppb		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	2.523	112	681476	38.86	ppb		0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 77.72%#				
8) Phenol-d5	3.282	99	857071	40.45	ppb		0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 80.90%#				
25) Nitrobenzene-d5	4.159	82	790563	46.68	ppb		-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 93.36%#				
51) 2-Fluorobiphenyl	6.208	172	1458906	44.00	ppb		-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 88.00%#				
73) 2,4,6-Tribromophenol	7.973	330	203652	57.92	ppb		-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 115.84%#				
85) Terphenyl-d14	11.021	244	1183046	45.54	ppb		-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 91.08%#				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.592	88	186966	24.43	ppb		94
3) Pyridine	1.752	79	611906	31.05	ppb		83
4) N-Nitrosodimethylamine	1.720	74	390179	39.60	ppb	#	47
6) Indene	3.849	116	1548927	45.93	ppb		96
7) Cumene	2.886	105	1989960	41.07	ppb		98
9) Phenol	3.293	94	1002865m	44.14	ppb		
10) Aniline	3.293	93	757605	31.28	ppb	#	20
11) bis(2-Chloroethyl)ether	3.336	93	758490	47.91	ppb		99
12) 2-Chlorophenol	3.410	128	790087	40.80	ppb		97
13) Decane	3.432	57	785916	40.07	ppb		96
14) 1,3-Dichlorobenzene	3.544	146	882699	42.12	ppb		98
15) 1,4-Dichlorobenzene	3.614	146	917603	44.19	ppb		99
16) Benzyl alcohol	3.742	108	534534	46.13	ppb		92
17) 1,2-Dichlorobenzene	3.763	146	868477	44.55	ppb		100
18) Acetophenone	3.999	105	1267519	45.66	ppb		88
19) 2-Methylphenol	3.870	108	640461	40.40	ppb		99
20) 2,2'-oxybis(1-Chloropr...	3.860	121	223136	44.23	ppb	#	85
21) 3&4-Methylphenol	4.036	108	676641	41.07	ppb		96
22) n-Nitroso-di-n-propyla...	4.004	70	521900	50.02	ppb		94
23) Hexachloroethane	4.100	201	226921	35.15	ppb		88
26) Nitrobenzene	4.181	77	831163	47.69	ppb		99
27) Quinoline	5.352	129	1793701	44.49	ppb		99
28) Isophorone	4.437	82	1356437	45.57	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29)	2-Nitrophenol	4.523	139	423304	46.70	ppb	91
30)	2,4-Dimethylphenol	4.598	107	696360	49.51	ppb	94
31)	Benzoic acid	4.764	105	397411	34.71	ppb	99
32)	bis(2-Chloroethoxy)met...	4.678	93	892975	48.38	ppb	99
33)	2,4-Dichlorophenol	4.812	162	605358	43.96	ppb	98
34)	2,6-Dichlorophenol	5.052	162	580345	44.47	ppb	98
36)	1,2,4-Trichlorobenzene	4.881	180	715371	46.59	ppb	99
38)	Naphthalene	4.961	128	2309808	45.61	ppb	100
39)	4-Chloroaniline	5.047	127	661202	30.06	ppb	96
40)	2,3-Dichloroaniline	6.111	161	863043	43.44	ppb	100
41)	Caprolactam	5.475	113	241323	42.47	ppb	91
42)	Hexachlorobutadiene	5.111	225	367624	49.17	ppb	99
43)	4-Chloro-3-methylphenol	5.668	107	666357	45.73	ppb	98
44)	2-Methylnaphthalene	5.769	141	1413613	48.13	ppb	98
45)	1-Methylnaphthalene	5.881	141	1531189	46.15	ppb	99
46)	Dimethylnaphthalene	6.513	156	1472270	45.81	ppb	98
48)	Hexachlorocyclopentadiene	5.956	237	134623	17.61	ppb	99
49)	2,4,6-Trichlorophenol	6.133	196	407522	46.20	ppb	99
50)	2,4,5-Trichlorophenol	6.197	196	478323m	48.66	ppb	
52)	2-Chloronaphthalene	6.341	162	1406584	44.93	ppb	99
53)	Biphenyl	6.325	154	2052177	44.57	ppb	99
54)	2-Nitroaniline	6.491	65	507196	56.23	ppb	92
55)	Dimethylphthalate	6.716	163	1631245	47.62	ppb	98
56)	Acenaphthylene	6.833	152	2002994	38.89	ppb	99
57)	2,6-Dinitrotoluene	6.785	165	358625	49.23	ppb	99
58)	3-Nitroaniline	6.994	138	362051	36.92	ppb	89
59)	Acenaphthene	7.047	153	1541444	48.02	ppb	98
60)	2,4-Dinitrophenol	7.128	184	251180	67.26	ppb	82
61)	4-Nitrophenol	7.299	109	206818m	47.16	ppb	
62)	Dibenzofuran	7.256	168	2066238	48.60	ppb	100
63)	2,4-Dinitrotoluene	7.277	165	474821	49.51	ppb	82
64)	2,3,4,6-Tetrachlorophenol	7.438	232	326686m	50.96	ppb	
65)	Diethylphthalate	7.572	149	1712120	47.93	ppb	100
66)	Fluorene	7.668	166	1694170	49.16	ppb	99
67)	4-Chlorophenyl-phenyle...	7.679	204	712671	50.54	ppb	97
68)	4-Nitroaniline	7.743	138	391422	40.94	ppb	88
70)	4,6-Dinitro-2-methylph...	7.775	198	167252	37.97	ppb	98
71)	n-Nitrosodiphenylamine	7.839	169	1097428	52.13	ppb	99
72)	1,2-Diphenylhydrazine	7.876	77	1671954	50.77	ppb	97
74)	4-Bromophenyl-phenylether	8.272	248	399247	53.74	ppb	95
75)	Hexachlorobenzene	8.347	284	462266	52.90	ppb	100
76)	Pentachlorophenol	8.615	266	238526	45.18	ppb	98
77)	Phenanthrene	8.845	178	2058531	46.67	ppb	99
78)	Anthracene	8.909	178	2222014	51.19	ppb	98
79)	Carbazole	9.144	167	2116592	41.83	ppb	99
80)	Di-n-butylphthalate	9.631	149	2962322	54.05	ppb	99
81)	Fluoranthene	10.444	202	2162607	46.49	ppb	97
82)	Octadecane	8.743	43	816191	58.61	ppb	87
84)	Pyrene	10.759	202	2065371	45.33	ppb	98
86)	Butylbenzylphthalate	11.786	149	1147514	53.72	ppb	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

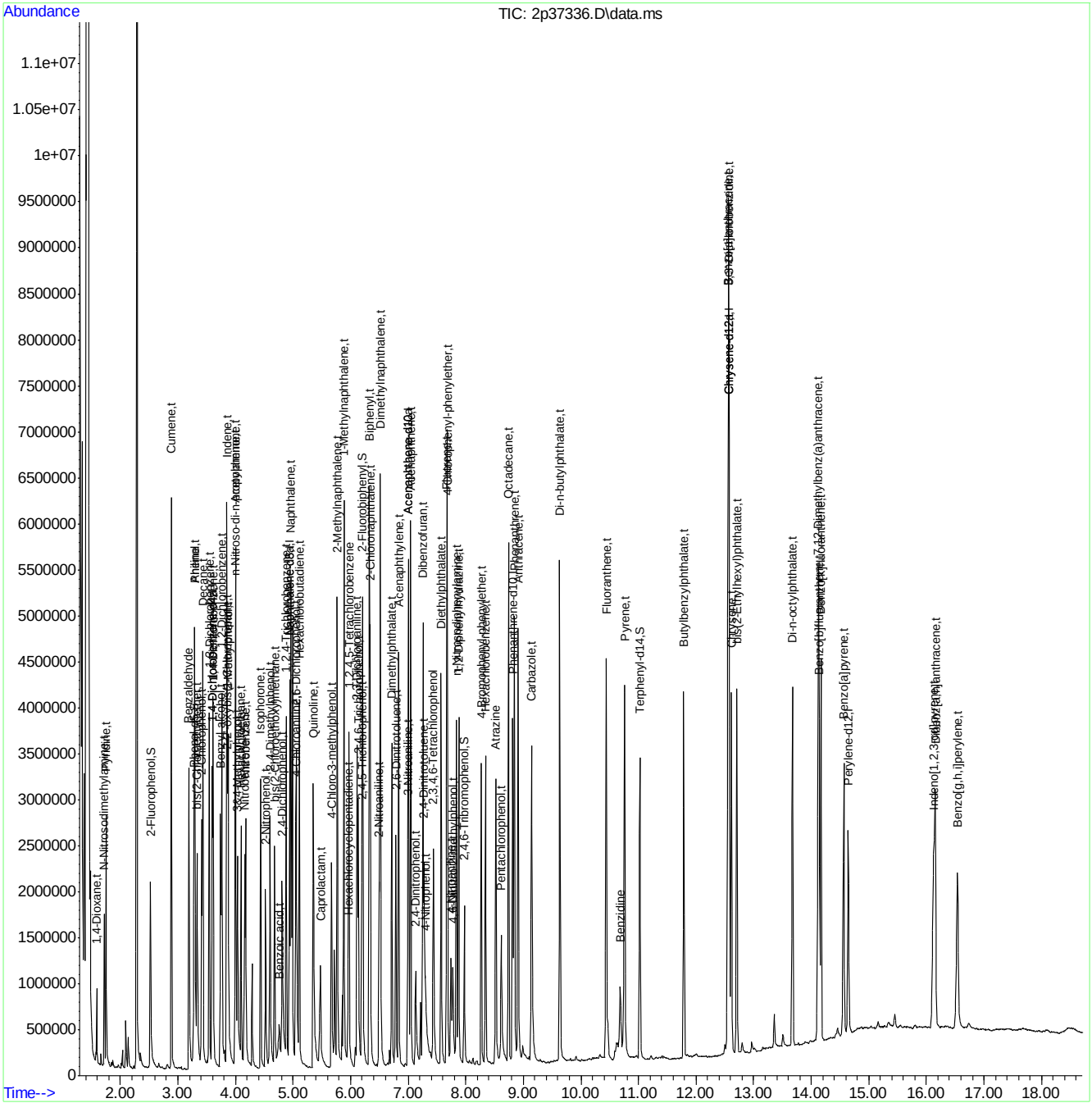
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.562	228	1812721	46.95	ppb	98
89)	3,3'-Dichlorobenzidine	12.567	252	1203555	96.65	ppb	98
90)	Chrysene	12.610	228	1500546	44.58	ppb	100
91)	bis(2-Ethylhexyl)phtha...	12.706	149	1516562	53.04	ppb	97
93)	Di-n-octylphthalate	13.674	149	2599963	57.12	ppb	97
94)	Benzo[b]fluoranthene	14.140	252	1673139	56.31	ppb	96
95)	Benzo[k]fluoranthene	14.172	252	1505924	55.53	ppb	98
96)	Benzo[a]pyrene	14.568	252	1351338	53.68	ppb	100
97)	Indeno[1,2,3-cd]pyrene	16.124	276	1558837	51.76	ppb	98
99)	Dibenz[a,h]anthracene	16.156	278	1308569	54.46	ppb	98
100)	7,12-Dimethylbenz(a)an...	14.124	256	851552	54.64	ppb	99
101)	Benzo[g,h,i]perylene	16.541	276	1254178	51.15	ppb	96
103)	Benzaldehyde	3.191	105	699180	51.40	ppb	93
105)	Atrazine	8.524	215	197353	53.85	ppb	96
106)	1,2,4,5-Tetrachloroben...	5.972	216	636645	43.80	ppb	97
108)	Benzidine	10.679	184	514236	22.27	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Manual Integration Approval Summary

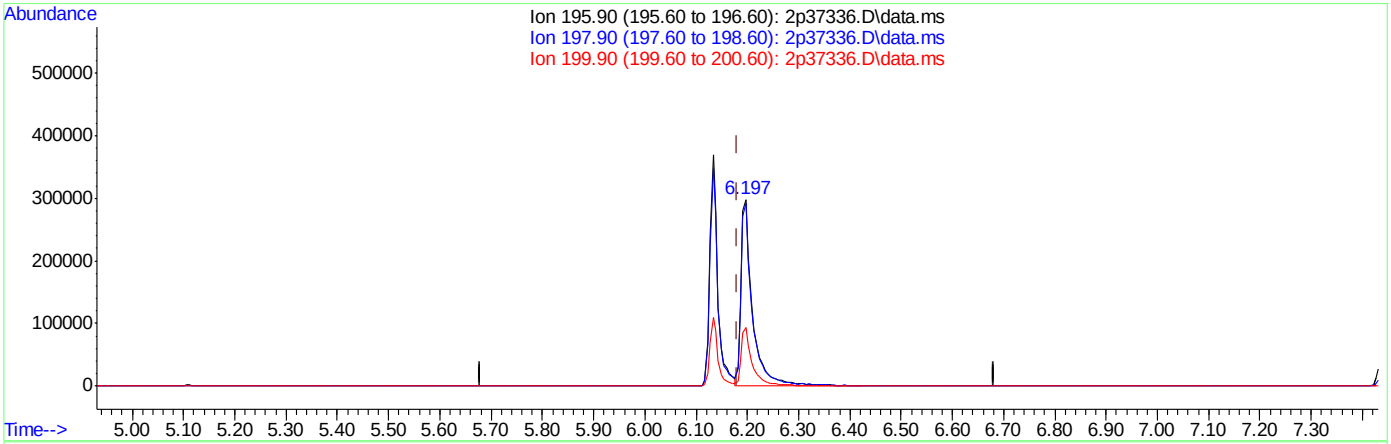
Sample Number: OP75292-MS
Lab FileID: 2P37336.D
Injection Time: 06/06/14 15:03
Method: SW846 8270D
Analyst approved: 06/10/14 13:49 Andrew Lee Smith
Supervisor approved: 06/10/14 15:00 Kristin Weiler

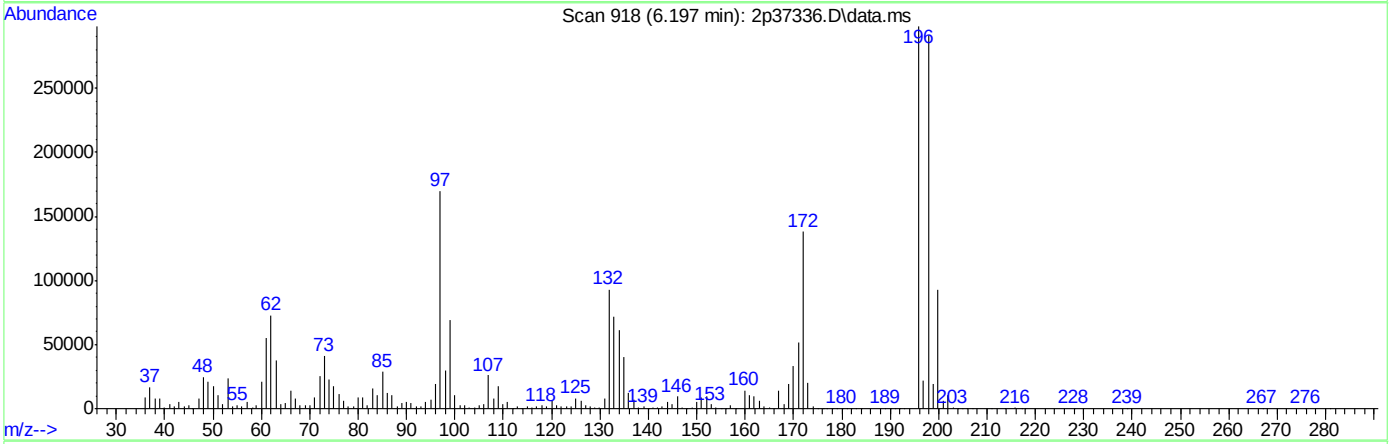
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		3.29	Poor instrument integration
2,4,5-Trichlorophenol	95-95-4		6.20	Poor instrument integration
4-Nitrophenol	100-02-7		7.30	Poor instrument integration
2,3,4,6-Tetrachlorophenol	58-90-2		7.44	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:13:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37336.D\data.ms

(50) 2,4,5-Trichlorophenol (t)

6.197min (+0.016) 48.66ppb m

response 478323

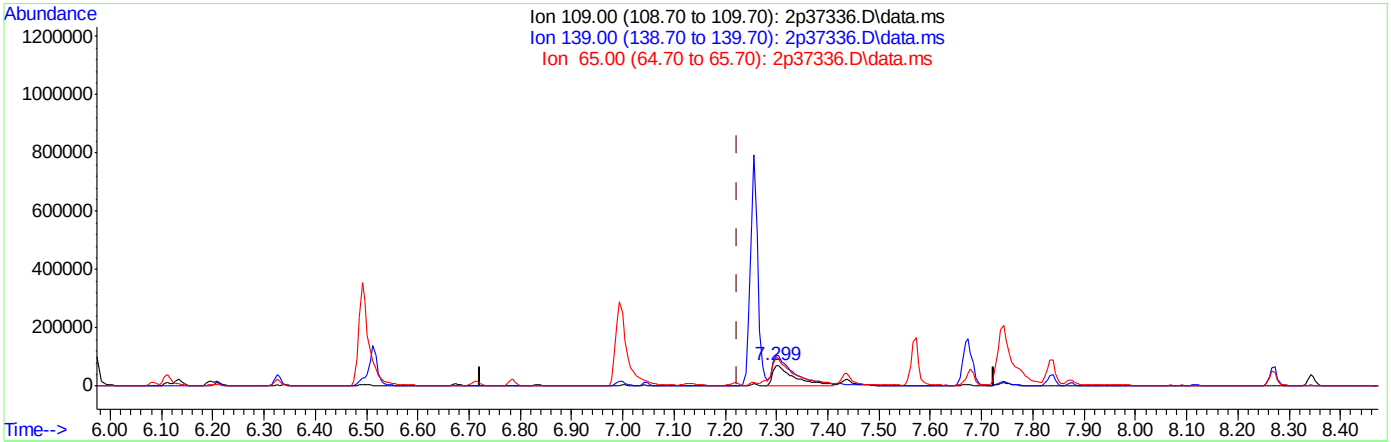
Ion	Exp%	Act%
195.90	100	100
197.90	93.90	97.77
199.90	30.40	31.18
0.00	0.00	0.00

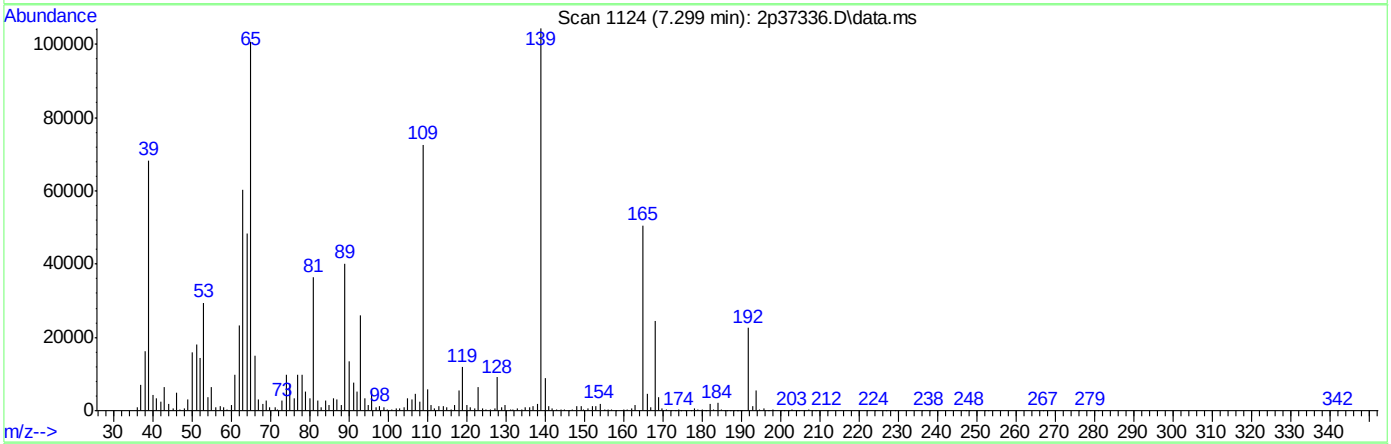
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:13:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37336.D\data.ms

(61) 4-Nitrophenol (t)

7.299min (+0.075) 47.16ppb m

response 206818

Ion	Exp%	Act%
109.00	100	100
139.00	152.50	143.78
65.00	135.60	138.89
0.00	0.00	0.00

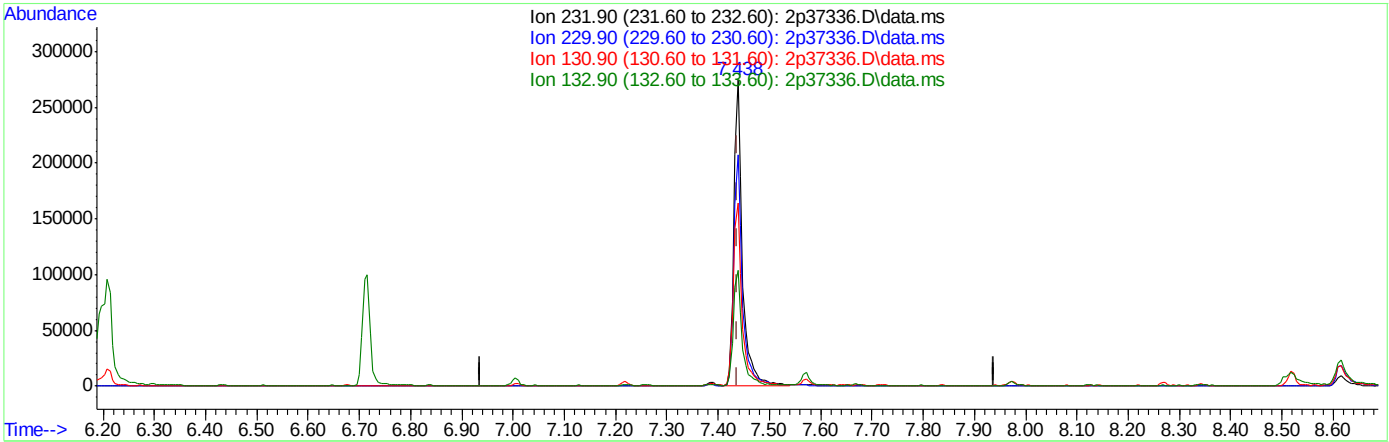
9.4.1.3

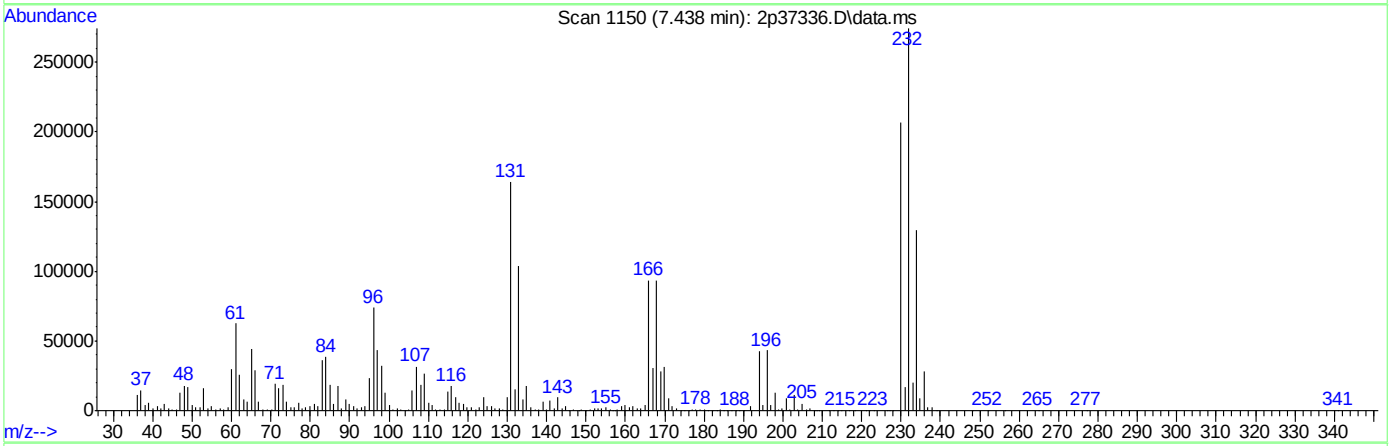
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:13:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37336.D\data.ms

(64) 2,3,4,6-Tetrachlorophenol

7.438min (+0.000) 50.96ppb m

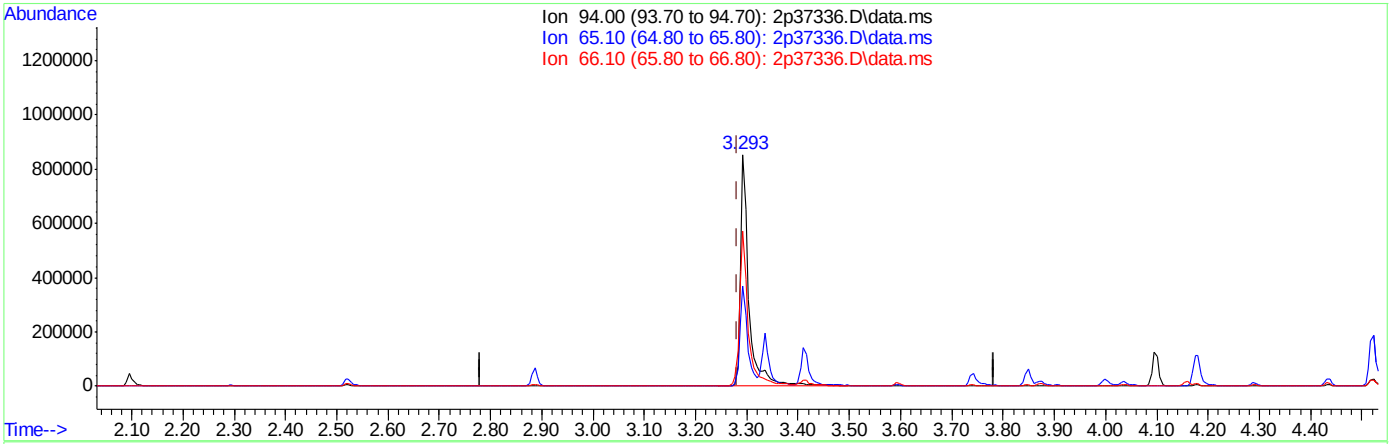
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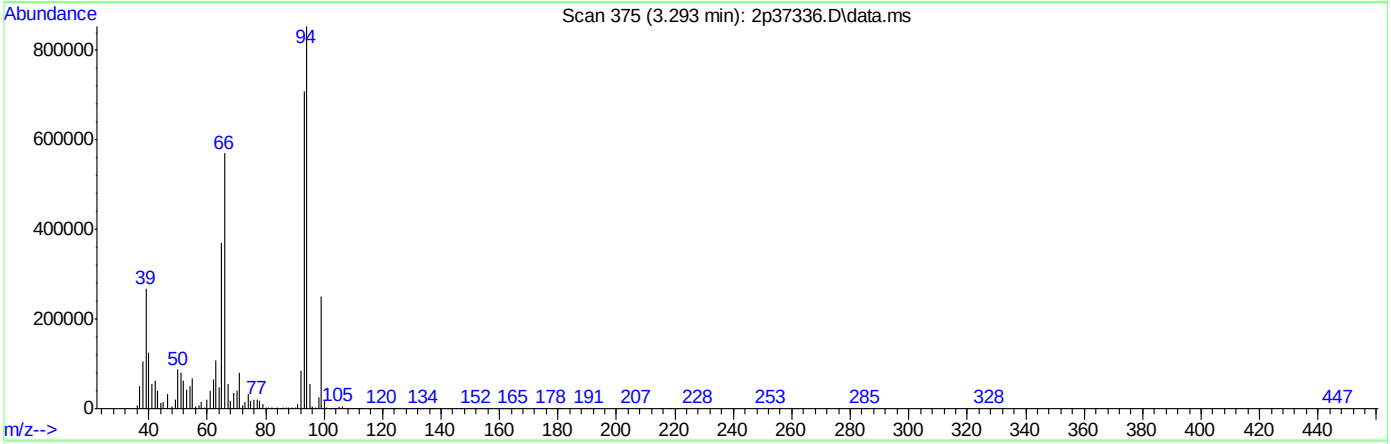
Ion	Exp%	Act%
231.90	100	100
229.90	79.10	75.41
130.90	67.60	59.72
132.90	42.90	37.78

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37336.D
Acq On : 6 Jun 2014 3:03 pm
Operator : andrews1
Sample : op75292-ms
Misc : op75292,e2p1552,31.2
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 11:16:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37336.D\data.ms

(9) Phenol (t)

3.293min (+0.011) 44.14ppb m

response 1002865

Ion	Exp%	Act%
94.00	100	100
65.10	24.70	43.40
66.10	31.40	66.75#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
06/10/14 15:00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:14:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.592	152	511229	40.00	ppb		-0.03
24) Naphthalene-d8	4.940	136	1880035	40.00	ppb		-0.03
47) Acenaphthene-d10	7.005	164	1032023	40.00	ppb		-0.03
69) Phenanthrene-d10	8.812	188	1488152	40.00	ppb		-0.02
83) Chrysene-d12	12.573	240	1285058	40.00	ppb		0.00
92) Perylene-d12	14.642	264	887564	40.00	ppb		0.01
102) 1,4-Dichlorobenzene-d4a	3.592	152	511229	40.00	ppb		-0.03
104) Acenaphthene-d10a	7.005	164	1032023	40.00	ppb		-0.03
107) Chrysene-d12a	12.573	240	1285058	40.00	ppb		0.00
109) Naphthalene-d8a	4.940	136	1880035	40.00	ppb		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	2.517	112	664970	38.03	ppb		0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 76.06%#				
8) Phenol-d5	3.282	99	832792	39.41	ppb		0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 78.82%#				
25) Nitrobenzene-d5	4.159	82	755186	44.99	ppb		-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 89.98%#				
51) 2-Fluorobiphenyl	6.208	172	1406849	43.40	ppb		-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 86.80%#				
73) 2,4,6-Tribromophenol	7.973	330	191302	55.40	ppb		-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 110.80%#				
85) Terphenyl-d14	11.021	244	1175319	45.98	ppb		-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 91.96%#				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.592	88	176831	23.17	ppb		88
3) Pyridine	1.752	79	605312	30.80	ppb		83
4) N-Nitrosodimethylamine	1.720	74	378831	38.56	ppb	#	53
6) Indene	3.849	116	1477903	43.94	ppb		99
7) Cumene	2.886	105	1940889	40.17	ppb		97
9) Phenol	3.293	94	978939	43.21	ppb	#	51
10) Aniline	3.293	93	739311	30.61	ppb	#	19
11) bis(2-Chloroethyl)ether	3.335	93	719905	45.60	ppb		100
12) 2-Chlorophenol	3.410	128	779428	40.36	ppb		96
13) Decane	3.432	57	764193	39.07	ppb		96
14) 1,3-Dichlorobenzene	3.544	146	838868	40.14	ppb		100
15) 1,4-Dichlorobenzene	3.614	146	880257	42.51	ppb		99
16) Benzyl alcohol	3.742	108	510117	44.15	ppb		92
17) 1,2-Dichlorobenzene	3.763	146	904104	46.51	ppb		99
18) Acetophenone	3.999	105	1200390	43.36	ppb		88
19) 2-Methylphenol	3.870	108	637211	40.30	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.860	121	213884	42.51	ppb	#	88
21) 3&4-Methylphenol	4.036	108	658695	40.09	ppb		96
22) n-Nitroso-di-n-propyla...	3.999	70	494524	47.53	ppb		90
23) Hexachloroethane	4.100	201	226426	35.18	ppb		86
26) Nitrobenzene	4.175	77	792493	45.88	ppb		96
27) Quinoline	5.352	129	1699158	42.52	ppb		98
28) Isophorone	4.432	82	1293040	43.83	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:14:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	4.523	139	416738	46.38	ppb	94
30) 2,4-Dimethylphenol	4.598	107	668177	47.93	ppb	94
31) Benzoic acid	4.763	105	437689	38.08	ppb	97
32) bis(2-Chloroethoxy)met...	4.678	93	857081	46.86	ppb	99
33) 2,4-Dichlorophenol	4.812	162	588938	43.15	ppb	99
34) 2,6-Dichlorophenol	5.052	162	574452	44.42	ppb	100
36) 1,2,4-Trichlorobenzene	4.881	180	682983	44.88	ppb	99
38) Naphthalene	4.961	128	2720010	54.19	ppb	99
39) 4-Chloroaniline	5.047	127	684798	31.41	ppb	96
40) 2,3-Dichloroaniline	6.111	161	810349	41.15	ppb	99
41) Caprolactam	5.470	113	225953	40.12	ppb	91
42) Hexachlorobutadiene	5.111	225	350841	47.35	ppb	99
43) 4-Chloro-3-methylphenol	5.667	107	644356	44.61	ppb	97
44) 2-Methylnaphthalene	5.769	141	1356347	46.59	ppb	98
45) 1-Methylnaphthalene	5.881	141	1457134	44.31	ppb	99
46) Dimethylnaphthalene	6.513	156	1399129	43.93	ppb	99
48) Hexachlorocyclopentadiene	5.956	237	157386	21.06	ppb	99
49) 2,4,6-Trichlorophenol	6.133	196	393530	45.63	ppb	99
50) 2,4,5-Trichlorophenol	6.192	196	456039m	47.46	ppb	
52) 2-Chloronaphthalene	6.341	162	1343460	43.90	ppb	97
53) Biphenyl	6.325	154	1978491	43.95	ppb	100
54) 2-Nitroaniline	6.491	65	473437	53.68	ppb	91
55) Dimethylphthalate	6.716	163	1534597	45.83	ppb	98
56) Acenaphthylene	6.833	152	1901686	37.76	ppb	99
57) 2,6-Dinitrotoluene	6.785	165	338189	47.48	ppb	96
58) 3-Nitroaniline	6.994	138	346980	36.19	ppb	92
59) Acenaphthene	7.042	153	1461442	46.57	ppb	99
60) 2,4-Dinitrophenol	7.128	184	245310	67.20	ppb	95
61) 4-Nitrophenol	7.299	109	195664	45.63	ppb	85
62) Dibenzofuran	7.256	168	1948108	46.87	ppb	99
63) 2,4-Dinitrotoluene	7.277	165	445627	47.52	ppb	88
64) 2,3,4,6-Tetrachlorophenol	7.438	232	309549m	49.39	ppb	
65) Diethylphthalate	7.572	149	1579234	45.22	ppb	99
66) Fluorene	7.668	166	1607662	47.72	ppb	98
67) 4-Chlorophenyl-phenyle...	7.678	204	667313	48.40	ppb	98
68) 4-Nitroaniline	7.743	138	373250	39.93	ppb	91
70) 4,6-Dinitro-2-methylph...	7.775	198	166587	38.45	ppb	97
71) n-Nitrosodiphenylamine	7.839	169	1039580	50.28	ppb	99
72) 1,2-Diphenylhydrazine	7.871	77	1563224	48.33	ppb	97
74) 4-Bromophenyl-phenylether	8.272	248	370616	50.80	ppb	95
75) Hexachlorobenzene	8.347	284	431693	50.30	ppb	99
76) Pentachlorophenol	8.615	266	221550	43.04	ppb	99
77) Phenanthrene	8.845	178	1938456	44.75	ppb	98
78) Anthracene	8.909	178	2096505	49.18	ppb	97
79) Carbazole	9.144	167	2013804	40.53	ppb	99
80) Di-n-butylphthalate	9.631	149	2795891	51.95	ppb	99
81) Fluoranthene	10.438	202	2104695	46.07	ppb	100
82) Octadecane	8.743	43	771489	56.41	ppb	87
84) Pyrene	10.754	202	2052449	45.79	ppb	99
86) Butylbenzylphthalate	11.786	149	1117589	53.18	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:14:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

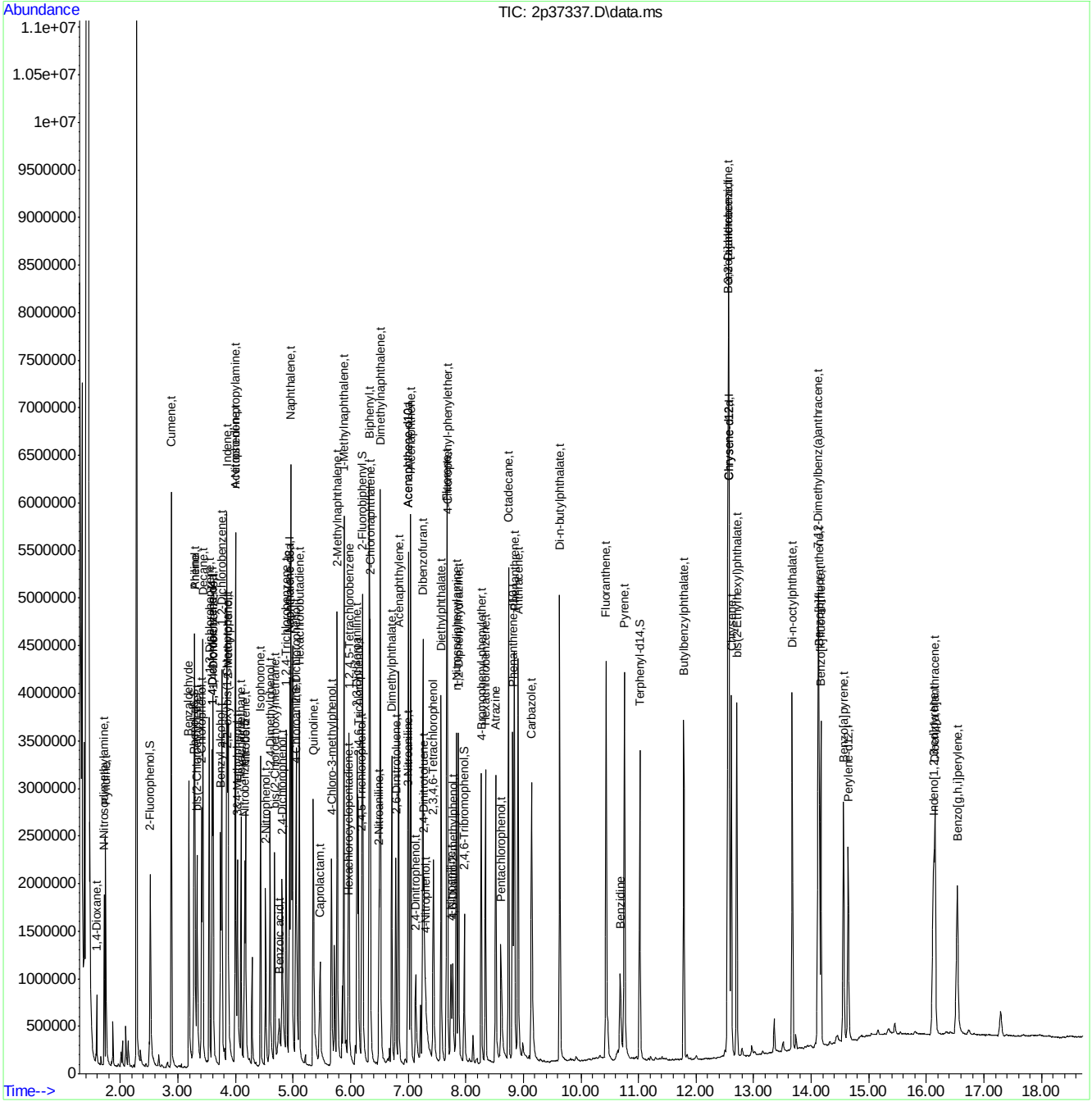
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.556	228	1689656	44.48	ppb	99
89)	3,3'-Dichlorobenzidine	12.562	252	1177693	96.13	ppb	99
90)	Chrysene	12.610	228	1433377	43.29	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.706	149	1443762	51.32	ppb	99
93)	Di-n-octylphthalate	13.669	149	2442030m	55.11	ppb	
94)	Benzo[b]fluoranthene	14.134	252	1567721	54.33	ppb	98
95)	Benzo[k]fluoranthene	14.172	252	1358905	51.60	ppb	96
96)	Benzo[a]pyrene	14.568	252	1247136	51.02	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.124	276	1452907	49.68	ppb	97
99)	Dibenz[a,h]anthracene	16.151	278	1231268	52.77	ppb	99
100)	7,12-Dimethylbenz(a)an...	14.124	256	759800	50.43	ppb	99
101)	Benzo[g,h,i]perylene	16.541	276	1161362	48.77	ppb	96
103)	Benzaldehyde	3.191	105	672474	49.58	ppb	97
105)	Atrazine	8.518	215	184861	51.59	ppb	92
106)	1,2,4,5-Tetrachloroben...	5.972	216	617541	43.45	ppb	98
108)	Benzidine	10.679	184	642828	28.29	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:14:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Manual Integration Approval Summary

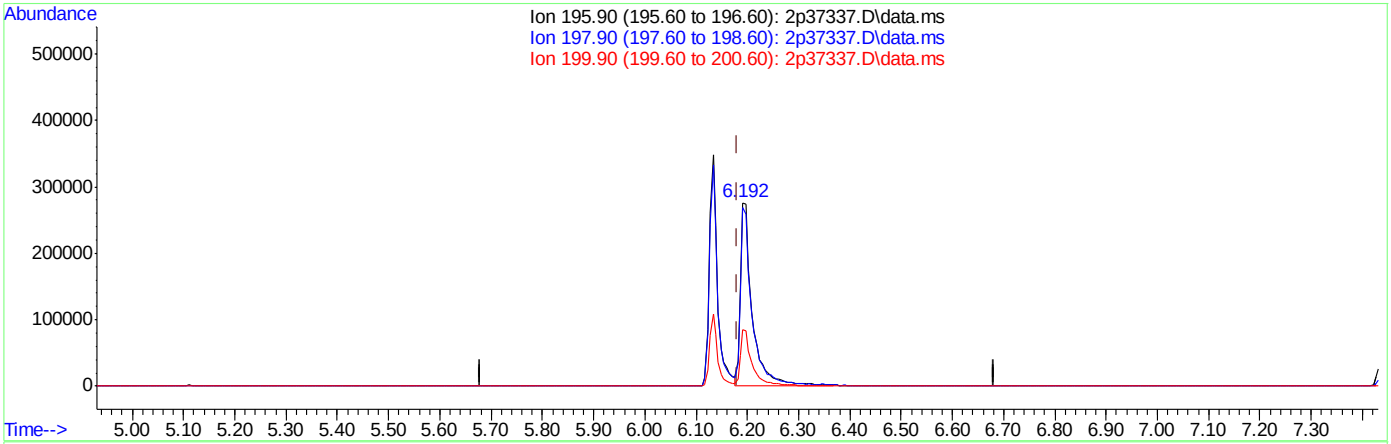
Sample Number:	OP75292-MSD	**Method:**	SW846 8270D
Lab FileID:	2P37337.D	**Analyst approved:**	06/10/14 13:49 Andrew Lee Smith
Injection Time:	06/06/14 15:26	**Supervisor approved:**	06/10/14 15:00 Kristin Weiler

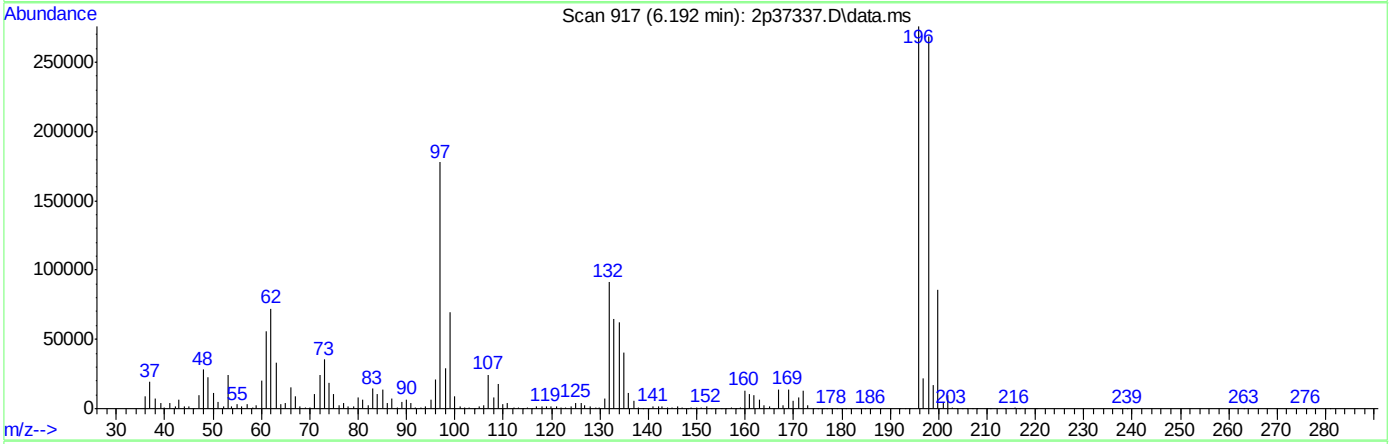
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4,5-Trichlorophenol	95-95-4		6.19	Poor instrument integration
2,3,4,6-Tetrachlorophenol	58-90-2		7.44	Poor instrument integration
Di-n-octyl phthalate	117-84-0		13.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:13:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37337.D\data.ms

(50) 2,4,5-Trichlorophenol (t)

6.192min (+0.011) 47.46ppb m

response 456039

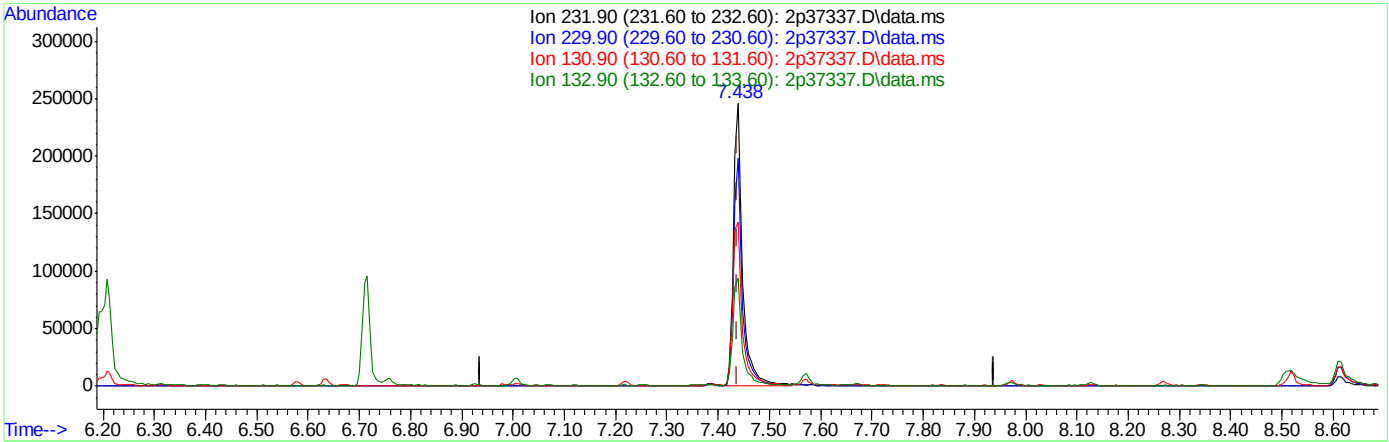
Ion	Exp%	Act%
195.90	100	100
197.90	93.90	97.47
199.90	30.40	31.08
0.00	0.00	0.00

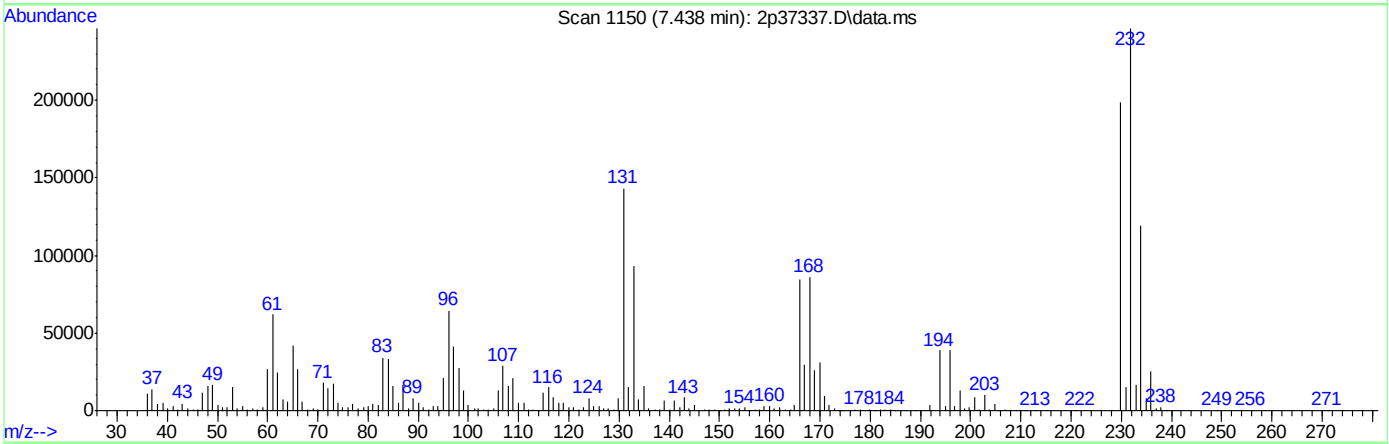
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:13:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37337.D\data.ms

(64) 2,3,4,6-Tetrachlorophenol

7.438min (0.000) 49.39ppb m

response 309549

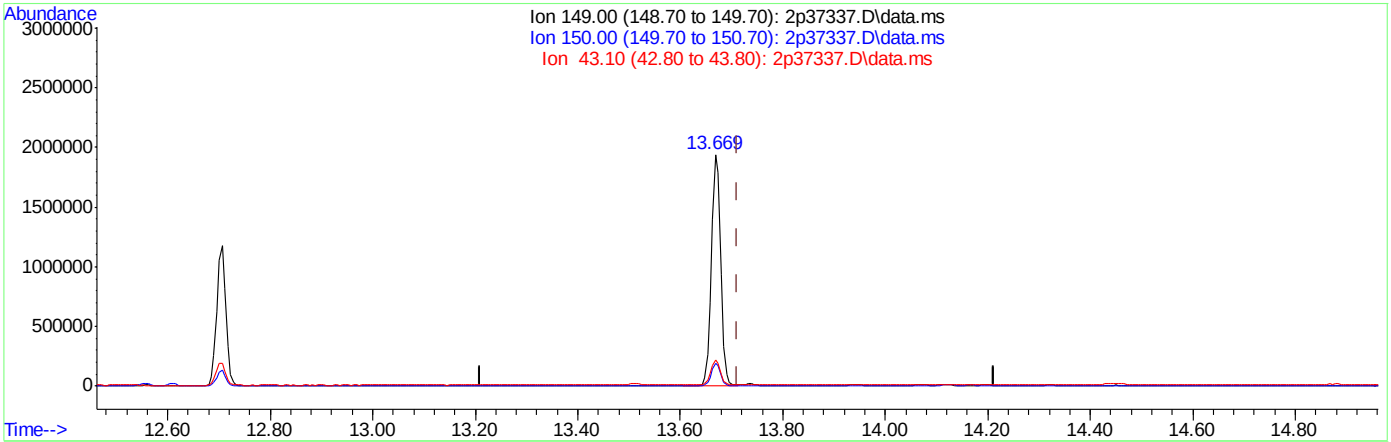
Ion	Exp%	Act%
231.90	100	100
229.90	79.10	80.62
130.90	67.60	58.09
132.90	42.90	37.98

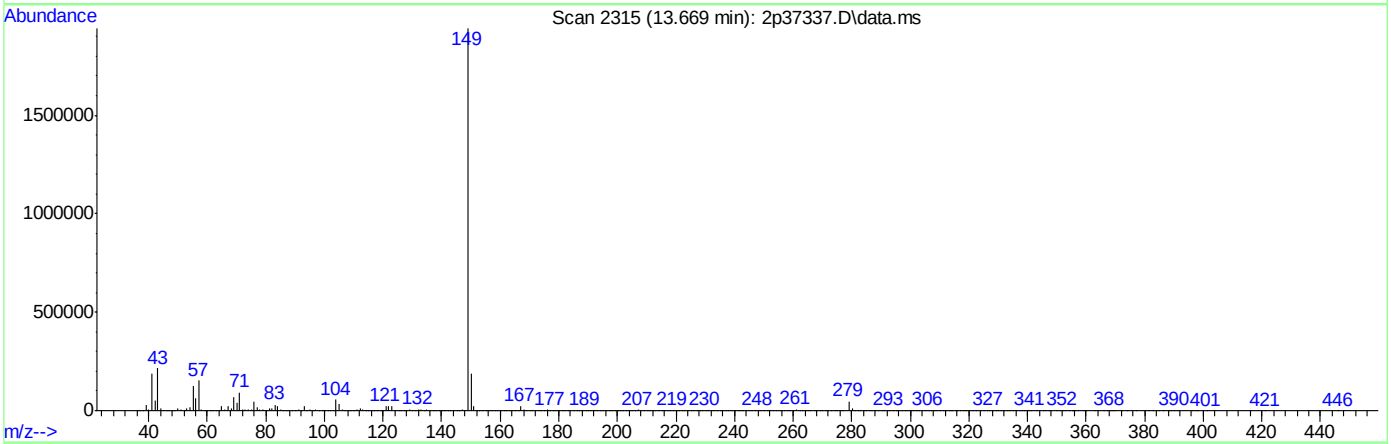
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37337.D
Acq On : 6 Jun 2014 3:26 pm
Operator : andrews1
Sample : op75292-msd
Misc : op75292,e2p1552,30.9
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 11:13:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration





TIC: 2p37337.D\data.ms

(93) Di-n-octylphthalate (t)

13.669min (-0.043) 55.11ppb m

response 2442030

Ion	Exp%	Act%
149.00	100	100
150.00	9.90	9.67
43.10	8.00	11.07
0.00	0.00	0.00

9.4.2.4

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37290.D
Acq On : 6 Jun 2014 3:16 am
Operator : ashleyd
Sample : op75345-ms
Misc : op75345,e2p1551,32.1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 12:30:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.592	152	341763	40.00	ppb		-0.03
24) Naphthalene-d8	4.934	136	1303445	40.00	ppb		-0.03
47) Acenaphthene-d10	6.999	164	724554	40.00	ppb		-0.03
69) Phenanthrene-d10	8.807	188	1123809	40.00	ppb		-0.03
83) Chrysene-d12	12.562	240	1051127	40.00	ppb		-0.02
92) Perylene-d12	14.626	264	881984	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	341763	40.00	ppb		-0.03
104) Acenaphthene-d10a	6.999	164	724554	40.00	ppb		-0.03
107) Chrysene-d12a	12.562	240	1051127	40.00	ppb		-0.02
109) Naphthalene-d8a	4.934	136	1303445	40.00	ppb		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	2.512	112	364082	31.14	ppb		-0.01
Spiked Amount 50.000	Range 11 - 58		Recovery = 62.28%#				
8) Phenol-d5	3.266	99	464344	32.87	ppb		0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 65.74%#				
25) Nitrobenzene-d5	4.154	82	406761	34.96	ppb		-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 69.92%#				
51) 2-Fluorobiphenyl	6.207	172	761091	33.44	ppb		-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 66.88%#				
73) 2,4,6-Tribromophenol	7.962	330	125722	48.22	ppb		-0.03
Spiked Amount 50.000	Range 12 - 68		Recovery = 96.44%#				
85) Terphenyl-d14	11.016	244	818773	39.16	ppb		-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 78.32%#				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.581	88	81339	15.94	ppb		82
3) Pyridine	1.741	79	292254	22.25	ppb		78
4) N-Nitrosodimethylamine	1.720	74	208650	31.76	ppb	#	62
6) Indene	3.849	116	785175	34.92	ppb		98
7) Cumene	2.886	105	944988	29.25	ppb		97
9) Phenol	3.276	94	556829	36.77	ppb		76
10) Aniline	3.287	93	540870	33.50	ppb		77
11) bis(2-Chloroethyl)ether	3.335	93	374926	35.52	ppb		96
12) 2-Chlorophenol	3.405	128	429903	33.30	ppb		99
13) Decane	3.432	57	382372	29.24	ppb		90
14) 1,3-Dichlorobenzene	3.538	146	433492	31.02	ppb		99
15) 1,4-Dichlorobenzene	3.608	146	443258	32.02	ppb		100
16) Benzyl alcohol	3.731	108	283752	36.73	ppb		88
17) 1,2-Dichlorobenzene	3.758	146	426728	32.84	ppb		99
18) Acetophenone	3.993	105	662756	35.81	ppb		93
19) 2-Methylphenol	3.859	108	371884	35.19	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.859	121	116519	34.64	ppb	#	56
21) 3&4-Methylphenol	4.015	108	379189	34.52	ppb		95
22) n-Nitroso-di-n-propyla...	3.993	70	285784	41.08	ppb		86
23) Hexachloroethane	4.100	201	140935	32.75	ppb		92
26) Nitrobenzene	4.170	77	435243	36.35	ppb		95
27) Quinoline	5.346	129	998781	36.05	ppb		99
28) Isophorone	4.426	82	729949	35.69	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37290.D
Acq On : 6 Jun 2014 3:16 am
Operator : ashleyd
Sample : op75345-ms
Misc : op75345,e2p1551,32.1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 12:30:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.517	139	226049	36.29	ppb		91
30) 2,4-Dimethylphenol	4.587	107	439516	45.48	ppb		96
31) Benzoic acid	4.737	105	322421	40.19	ppb		98
32) bis(2-Chloroethoxy)met...	4.672	93	472809	37.28	ppb		98
33) 2,4-Dichlorophenol	4.795	162	349888	36.98	ppb		98
34) 2,6-Dichlorophenol	5.047	162	333580	37.20	ppb		97
36) 1,2,4-Trichlorobenzene	4.876	180	356994	33.84	ppb		97
38) Naphthalene	4.956	128	1188411	34.15	ppb		100
39) 4-Chloroaniline	5.036	127	488637	32.33	ppb		96
40) 2,3-Dichloroaniline	6.106	161	505268	37.01	ppb		99
41) Caprolactam	5.443	113	151272	38.74	ppb		82
42) Hexachlorobutadiene	5.111	225	181884	35.41	ppb		98
43) 4-Chloro-3-methylphenol	5.641	107	413772	41.32	ppb		95
44) 2-Methylnaphthalene	5.764	141	749376	37.13	ppb		96
45) 1-Methylnaphthalene	5.876	141	813128	35.67	ppb		99
46) Dimethylnaphthalene	6.507	156	807899	36.59	ppb		99
48) Hexachlorocyclopentadiene	5.956	237	280448	53.45	ppb		98
49) 2,4,6-Trichlorophenol	6.122	196	253054	41.80	ppb		100
50) 2,4,5-Trichlorophenol	6.175	196	280095	41.52	ppb		97
52) 2-Chloronaphthalene	6.336	162	755869	35.18	ppb		99
53) Biphenyl	6.320	154	1119720	35.43	ppb		99
54) 2-Nitroaniline	6.480	65	301700	48.73	ppb		94
55) Dimethylphthalate	6.710	163	923646	39.29	ppb		98
56) Acenaphthylene	6.828	152	1102568	31.19	ppb		99
57) 2,6-Dinitrotoluene	6.774	165	211025	42.20	ppb		97
58) 3-Nitroaniline	6.978	138	241047	35.81	ppb		92
59) Acenaphthene	7.037	153	850369	38.60	ppb		98
60) 2,4-Dinitrophenol	7.111	184	212654	80.12	ppb		83
61) 4-Nitrophenol	7.256	109	160387	53.28	ppb	#	1
62) Dibenzofuran	7.250	168	1156320	39.63	ppb		92
63) 2,4-Dinitrotoluene	7.266	165	290923	44.19	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.422	232	208461	47.37	ppb		100
65) Diethylphthalate	7.566	149	1041480	42.47	ppb		100
66) Fluorene	7.662	166	954785	40.36	ppb		99
67) 4-Chlorophenyl-phenyle...	7.678	204	397095	41.02	ppb		95
68) 4-Nitroaniline	7.721	138	241609	36.82	ppb		85
70) 4,6-Dinitro-2-methylph...	7.764	198	137021	41.49	ppb	#	60
71) n-Nitrosodiphenylamine	7.828	169	661114	42.35	ppb		98
72) 1,2-Diphenylhydrazine	7.871	77	1014648	41.54	ppb		97
74) 4-Bromophenyl-phenylether	8.267	248	233092	42.31	ppb		95
75) Hexachlorobenzene	8.342	284	270263	41.70	ppb		97
76) Pentachlorophenol	8.598	266	161126	41.66	ppb		98
77) Phenanthrene	8.834	178	1325260	40.52	ppb		99
78) Anthracene	8.898	178	1344309	41.76	ppb		99
79) Carbazole	9.128	167	1362248	36.31	ppb		99
80) Di-n-butylphthalate	9.631	149	1877595	46.19	ppb		99
81) Fluoranthene	10.433	202	1473312	42.71	ppb		96
82) Octadecane	8.743	43	511156	49.49	ppb		85
84) Pyrene	10.743	202	1494728	40.76	ppb		99
86) Butylbenzylphthalate	11.786	149	843572	49.07	ppb		97

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37290.D
Acq On : 6 Jun 2014 3:16 am
Operator : ashleyd
Sample : op75345-ms
Misc : op75345,e2p1551,32.1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 12:30:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

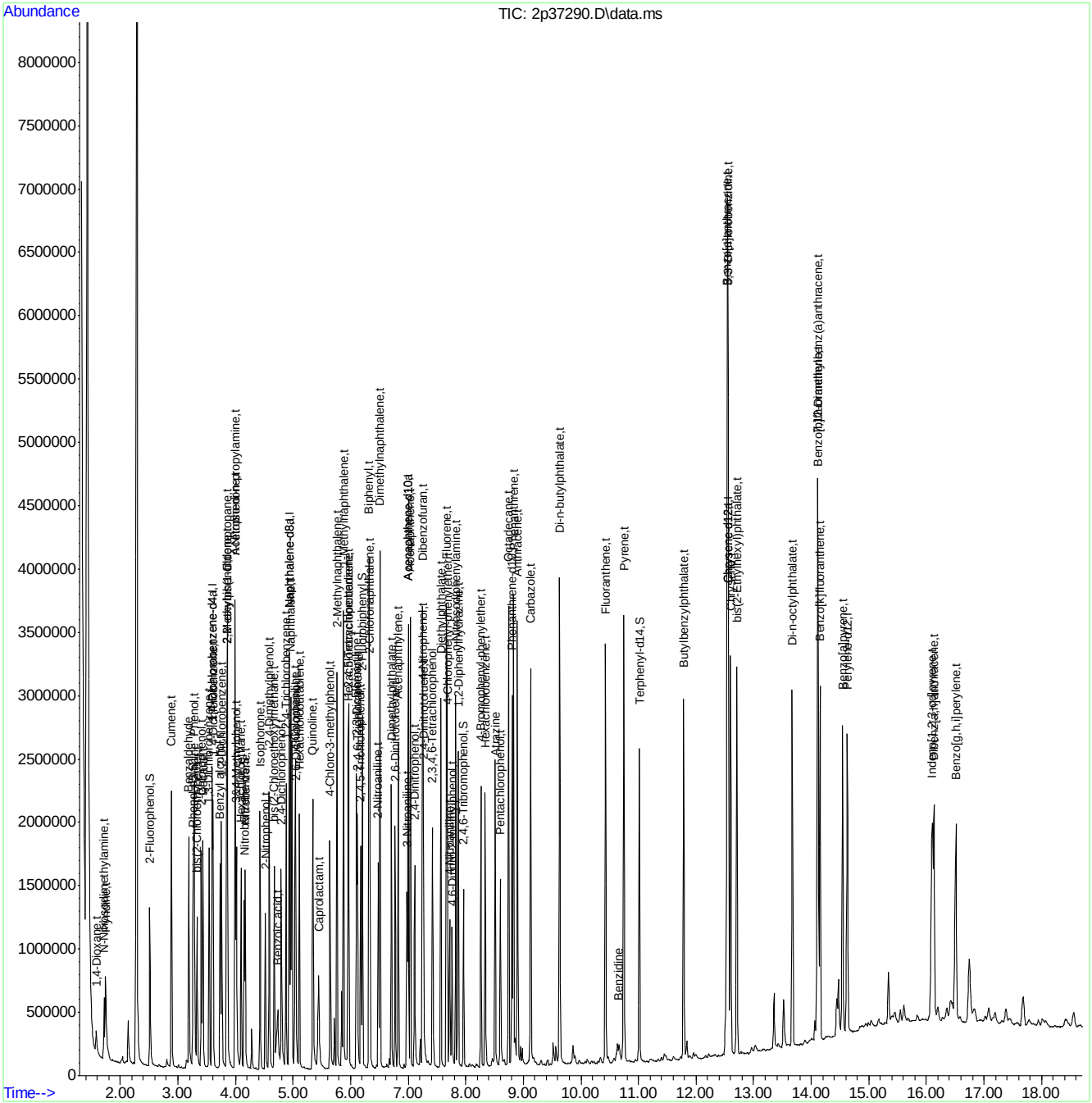
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.546	228	1305076	42.00	ppb	99
89)	3,3'-Dichlorobenzidine	12.551	252	808436	80.67	ppb	99
90)	Chrysene	12.599	228	1127194	41.61	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.706	149	1135703	49.36	ppb	99
93)	Di-n-octylphthalate	13.669	149	1921829	43.14	ppb	97
94)	Benzo[b]fluoranthene	14.118	252	1283866	44.78	ppb	99
95)	Benzo[k]fluoranthene	14.156	252	1093273	41.78	ppb	98
96)	Benzo[a]pyrene	14.551	252	1046674	43.09	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.097	276	1172390	40.34	ppb	95
99)	Dibenz[a,h]anthracene	16.129	278	964783	41.61	ppb	99
100)	7,12-Dimethylbenz(a)an...	14.113	256	571412	38.88	ppb	99
101)	Benzo[g,h,i]perylene	16.514	276	968924	40.95	ppb	96
103)	Benzaldehyde	3.191	105	361722	39.89	ppb	96
105)	Atrazine	8.513	215	128050	50.90	ppb	98
106)	1,2,4,5-Tetrachloroben...	5.967	216	339434	34.02	ppb	100
108)	Benzidine	10.658	184	95018	5.11	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37290.D
Acq On : 6 Jun 2014 3:16 am
Operator : ashleyd
Sample : op75345-ms
Misc : op75345,e2p1551,32.1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 12:30:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37291.D
Acq On : 6 Jun 2014 3:39 am
Operator : ashleyd
Sample : op75345-msd
Misc : op75345,e2p1551,31.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 06 12:31:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	461667	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1738439	40.00	ppb	-0.03
47) Acenaphthene-d10	6.999	164	948209	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1435109	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1290278	40.00	ppb	-0.02
92) Perylene-d12	14.626	264	1070934	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	461667	40.00	ppb	-0.03
104) Acenaphthene-d10a	6.999	164	948209	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1290278	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1738439	40.00	ppb	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.512	112	472163	29.90	ppb	-0.01
Spiked Amount 50.000	Range 11 - 58		Recovery = 59.80%#			
8) Phenol-d5	3.266	99	618828	32.43	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 64.86%#			
25) Nitrobenzene-d5	4.154	82	532436	34.31	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 68.62%#			
51) 2-Fluorobiphenyl	6.208	172	977949	32.83	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 65.66%#			
73) 2,4,6-Tribromophenol	7.962	330	144266	43.33	ppb	-0.03
Spiked Amount 50.000	Range 12 - 68		Recovery = 86.66%#			
85) Terphenyl-d14	11.016	244	923954	36.00	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 72.00%#			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.581	88	120766	17.52	ppb	85
3) Pyridine	1.742	79	409885	23.10	ppb	83
4) N-Nitrosodimethylamine	1.715	74	275117	31.01	ppb	66
6) Indene	3.844	116	1017398	33.50	ppb	97
7) Cumene	2.886	105	1267811	29.05	ppb	98
9) Phenol	3.277	94	717181	35.06	ppb	75
10) Aniline	3.287	93	691663	31.71	ppb	80
11) bis(2-Chloroethyl)ether	3.330	93	496735	34.84	ppb	94
12) 2-Chlorophenol	3.405	128	572197	32.81	ppb	98
13) Decane	3.432	57	519412	29.41	ppb	92
14) 1,3-Dichlorobenzene	3.539	146	578138	30.63	ppb	99
15) 1,4-Dichlorobenzene	3.608	146	584058	31.23	ppb	98
16) Benzyl alcohol	3.731	108	386301	37.02	ppb	89
17) 1,2-Dichlorobenzene	3.758	146	563425	32.10	ppb	98
18) Acetophenone	3.993	105	868883	34.76	ppb	92
19) 2-Methylphenol	3.860	108	503471	35.26	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.860	121	153253	33.73	ppb #	63
21) 3&4-Methylphenol	4.015	108	508679	34.28	ppb	97
22) n-Nitroso-di-n-propyla...	3.999	70	382465	40.70	ppb	93
23) Hexachloroethane	4.100	201	185798	31.96	ppb	91
26) Nitrobenzene	4.170	77	575219	36.01	ppb	95
27) Quinoline	5.346	129	1297255	35.11	ppb	99
28) Isophorone	4.427	82	982158	36.00	ppb	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37291.D
Acq On : 6 Jun 2014 3:39 am
Operator : ashleyd
Sample : op75345-msd
Misc : op75345,e2p1551,31.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 06 12:31:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29)	2-Nitrophenol	4.517	139	302841	36.45	ppb		90
30)	2,4-Dimethylphenol	4.587	107	580213	45.01	ppb		97
31)	Benzoic acid	4.747	105	391195	36.96	ppb		96
32)	bis(2-Chloroethoxy)met...	4.673	93	636771	37.65	ppb		99
33)	2,4-Dichlorophenol	4.796	162	455954	36.13	ppb		99
34)	2,6-Dichlorophenol	5.047	162	439405	36.74	ppb		98
36)	1,2,4-Trichlorobenzene	4.876	180	482426	34.29	ppb		98
38)	Naphthalene	4.956	128	1587075	34.19	ppb		100
39)	4-Chloroaniline	5.036	127	615300	30.53	ppb		96
40)	2,3-Dichloroaniline	6.106	161	623872	34.26	ppb		98
41)	Caprolactam	5.453	113	179155	34.40	ppb		89
42)	Hexachlorobutadiene	5.111	225	242468	35.39	ppb		99
43)	4-Chloro-3-methylphenol	5.646	107	500249	37.46	ppb		99
44)	2-Methylnaphthalene	5.764	141	990475	36.79	ppb		98
45)	1-Methylnaphthalene	5.876	141	1087596	35.77	ppb		98
46)	Dimethylnaphthalene	6.507	156	1065565	36.18	ppb		99
48)	Hexachlorocyclopentadiene	5.956	237	374183	54.50	ppb		99
49)	2,4,6-Trichlorophenol	6.122	196	307580	38.82	ppb		99
50)	2,4,5-Trichlorophenol	6.176	196	337899	38.27	ppb		100
52)	2-Chloronaphthalene	6.336	162	996909	35.45	ppb		99
53)	Biphenyl	6.325	154	1462533	35.36	ppb		99
54)	2-Nitroaniline	6.480	65	367309	45.33	ppb		92
55)	Dimethylphthalate	6.710	163	1151668	37.43	ppb		98
56)	Acenaphthylene	6.828	152	1427971	30.86	ppb		99
57)	2,6-Dinitrotoluene	6.775	165	258803	39.55	ppb		90
58)	3-Nitroaniline	6.978	138	282093	32.02	ppb		88
59)	Acenaphthene	7.042	153	1101673	38.21	ppb		98
60)	2,4-Dinitrophenol	7.117	184	237497	70.15	ppb		95
61)	4-Nitrophenol	7.261	109	180559	45.83	ppb	#	64
62)	Dibenzofuran	7.251	168	1460562	38.25	ppb		95
63)	2,4-Dinitrotoluene	7.267	165	347845	40.38	ppb		98
64)	2,3,4,6-Tetrachlorophenol	7.427	232	242590	42.12	ppb		93
65)	Diethylphthalate	7.566	149	1249383	38.93	ppb		99
66)	Fluorene	7.662	166	1210203	39.10	ppb		98
67)	4-Chlorophenyl-phenyle...	7.678	204	501342	39.58	ppb		96
68)	4-Nitroaniline	7.721	138	278268	32.40	ppb		83
70)	4,6-Dinitro-2-methylph...	7.764	198	155228	37.30	ppb		97
71)	n-Nitrosodiphenylamine	7.828	169	788108	39.53	ppb		98
72)	1,2-Diphenylhydrazine	7.871	77	1240388	39.77	ppb		98
74)	4-Bromophenyl-phenylether	8.267	248	283777	40.33	ppb		97
75)	Hexachlorobenzene	8.342	284	327236	39.54	ppb		98
76)	Pentachlorophenol	8.604	266	188059	38.56	ppb		98
77)	Phenanthrene	8.834	178	1566465	37.50	ppb		100
78)	Anthracene	8.903	178	1588973	38.65	ppb		99
79)	Carbazole	9.128	167	1581965	33.02	ppb		99
80)	Di-n-butylphthalate	9.631	149	2182356	42.05	ppb		99
81)	Fluoranthene	10.433	202	1704567	38.69	ppb		98
82)	Octadecane	8.743	43	597509	45.30	ppb		85
84)	Pyrene	10.749	202	1712582	38.05	ppb		98
86)	Butylbenzylphthalate	11.786	149	955824	45.29	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37291.D
Acq On : 6 Jun 2014 3:39 am
Operator : ashleyd
Sample : op75345-msd
Misc : op75345,e2p1551,31.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 06 12:31:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

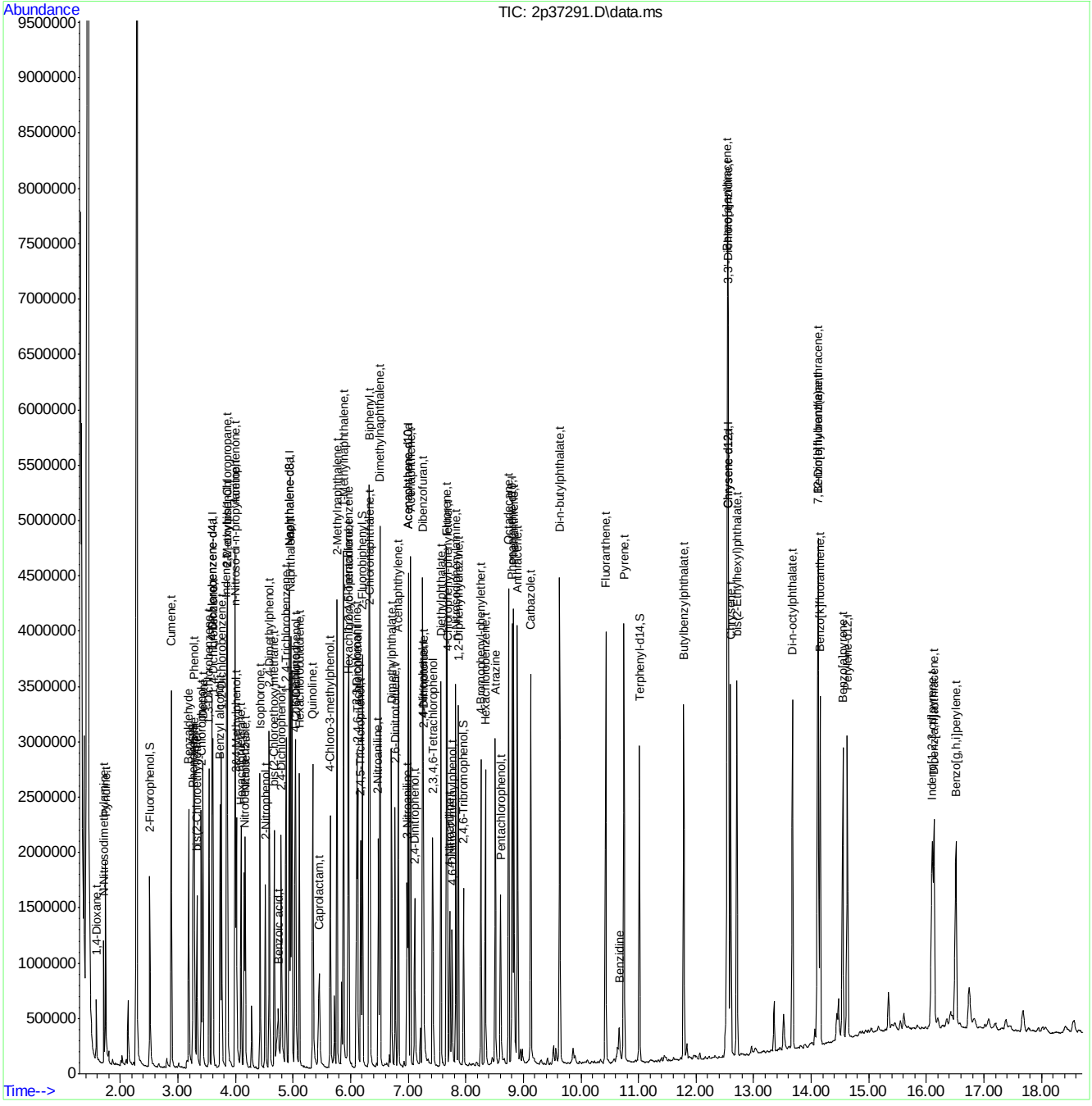
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	Benzo[a]anthracene	12.546	228	1464035	38.38	ppb	100
89)	3,3'-Dichlorobenzidine	12.551	252	898979	73.08	ppb	98
90)	Chrysene	12.599	228	1265831	38.07	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.706	149	1272714	45.06	ppb	97
93)	Di-n-octylphthalate	13.674	149	2138872	39.45	ppb	98
94)	Benzo[b]fluoranthene	14.118	252	1455497	41.81	ppb	97
95)	Benzo[k]fluoranthene	14.156	252	1188189	37.39	ppb	99
96)	Benzo[a]pyrene	14.551	252	1163007	39.43	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.097	276	1290579	36.57	ppb	97
99)	Dibenz[a,h]anthracene	16.135	278	1064949	37.82	ppb	97
100)	7,12-Dimethylbenz(a)an...	14.113	256	627501	35.46	ppb	100
101)	Benzo[g,h,i]perylene	16.514	276	1067704	37.16	ppb	97
103)	Benzaldehyde	3.191	105	477294	38.97	ppb	97
105)	Atrazine	8.513	215	149332	45.36	ppb	93
106)	1,2,4,5-Tetrachloroben...	5.967	216	457355	35.03	ppb	98
108)	Benzidine	10.663	184	198267	8.69	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37291.D
Acq On : 6 Jun 2014 3:39 am
Operator : ashleyd
Sample : op75345-msd
Misc : op75345,e2p1551,31.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 06 12:31:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Manual Integrations APPROVED
(compounds with "m" flag)
Cheng-Hwan Ao
06/11/14 15:10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 11:20:01 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.636	152	252422	40.00	ppb		0.00
24) Naphthalene-d8	4.972	136	967111	40.00	ppb		0.00
47) Acenaphthene-d10	7.023	164	514249	40.00	ppb		0.00
69) Phenanthrene-d10	8.818	188	843831	40.00	ppb		0.00
83) Chrysene-d12	12.536	240	797123	40.00	ppb		0.00
92) Perylene-d12	14.583	264	758130	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.636	152	252422	40.00	ppb		0.00
104) Phenanthrene-d10a	8.818	188	843831	40.00	ppb		0.00
106) Chrysene-d12a	12.536	240	797123	40.00	ppb		0.00
108) Acenaphthene-d10a	7.023	164	514249	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.562	112	247547	28.70	ppb		0.00
Spiked Amount 50.000			Recovery =	57.40%			
8) Phenol-d5	3.316	99	304831	28.06	ppb		0.00
Spiked Amount 50.000			Recovery =	56.12%			
25) Nitrobenzene-d5	4.192	82	260002	30.51	ppb		0.00
Spiked Amount 50.000			Recovery =	61.02%			
51) 2-Fluorobiphenyl	6.238	172	468601	28.75	ppb		0.00
Spiked Amount 50.000			Recovery =	57.50%			
73) 2,4,6-Tribromophenol	7.979	330	77458	37.57	ppb		0.00
Spiked Amount 50.000			Recovery =	75.14%			
86) Terphenyl-d14	11.009	244	536759	33.48	ppb		0.00
Spiked Amount 50.000			Recovery =	66.96%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.633	88	201242	46.56	ppb		96
4) N-Nitrosodimethylamine	1.766	74	177238	29.28	ppb		83
6) Indene	3.887	116	917387	53.67	ppb		99
7) Cumene	2.931	105	1110913	45.95	ppb		98
9) Phenol	3.326	94	345699	28.35	ppb		78
11) bis(2-Chloroethyl)ether	3.380	93	244944	28.66	ppb		99
12) 2-Chlorophenol	3.449	128	272596	28.04	ppb		94
13) Decane	3.471	43	519875	44.97	ppb		90
14) 1,3-Dichlorobenzene	3.583	146	215329	20.57	ppb		98
15) 1,4-Dichlorobenzene	3.652	146	222741	20.77	ppb		97
16) Benzyl alcohol	3.780	108	207661	35.47	ppb		99
17) 1,2-Dichlorobenzene	3.802	146	217712	21.66	ppb		97
18) Acetophenone	4.037	105	775148	55.47	ppb		97
19) 2-Methylphenol	3.909	108	251021	30.67	ppb		96
20) 2,2'-oxybis(1-Chloropr...	3.898	121	75257	26.66	ppb	#	83
21) 3&4-Methylphenol	4.064	108	269793	30.71	ppb		98
22) n-Nitroso-di-n-propyla...	4.037	70	177105	28.76	ppb		90
23) Hexachloroethane	4.144	201	62505	18.86	ppb		91
26) Nitrobenzene	4.213	77	274668	29.15	ppb		93
27) Quinoline	5.378	129	203021	10.48	ppb		99
28) Isophorone	4.464	82	470072	30.21	ppb		97
29) 2-Nitrophenol	4.555	139	142513	32.31	ppb		79
30) 2,4-Dimethylphenol	4.630	107	267204	36.32	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 11:20:01 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Benzoic Acid	4.753	105	195638m	47.52	ppb	
32) bis(2-Chloroethoxy)met...	4.710	93	291952	30.86	ppb	100
33) 2,4-Dichlorophenol	4.838	162	212787	31.54	ppb	99
34) 2,6-Dichlorophenol	5.084	162	206255	31.18	ppb	99
36) 1,2,4-Trichlorobenzene	4.913	180	186899	23.26	ppb	97
38) Naphthalene	4.993	128	670382	24.85	ppb	99
39) 4-Chloroaniline	5.079	127	91450	8.60	ppb	96
40) 2,3-Dichloroaniline	6.142	161	564055	61.08	ppb	99
41) Caprolactam	5.474	55	200504	44.62	ppb	96
42) Hexachlorobutadiene	5.148	225	96047	22.12	ppb	97
43) 4-Chloro-3-methylphenol	5.682	107	249243	34.77	ppb	96
44) 2-Methylnaphthalene	5.795	141	428161	29.22	ppb	97
45) 1-Methylnaphthalene	5.907	141	875949	54.26	ppb	97
46) Dimethylnaphthalene	6.537	156	960860	58.75	ppb	99
48) Hexachlorocyclopentadiene	5.992	237	271092	66.68	ppb	100
49) 2,4,6-Trichlorophenol	6.152	196	156736	35.12	ppb	100
50) 2,4,5-Trichlorophenol	6.206	196	164241	34.69	ppb	99
52) 2-Chloronaphthalene	6.366	162	434661	28.41	ppb	99
53) Biphenyl	6.350	154	1282629	58.97	ppb	100
54) 2-Nitroaniline	6.510	65	172115	41.03	ppb	92
55) Dimethylphthalate	6.740	163	544972	33.36	ppb	99
56) Acenaphthylene	6.852	152	653778	27.20	ppb	100
57) 2,6-Dinitrotoluene	6.799	165	121294	36.23	ppb	92
58) 3-Nitroaniline	7.007	138	160083	37.83	ppb	92
59) Acenaphthene	7.066	153	484402	31.86	ppb	99
60) 2,4-Dinitrophenol	7.130	184	170211	77.41	ppb	78
61) 4-Nitrophenol	7.290	109	85881m	44.86	ppb	
62) Dibenzofuran	7.274	168	697673	33.07	ppb	91
63) 2,4-Dinitrotoluene	7.285	165	166531	36.44	ppb	68
64) 2,3,4,6-Tetrachlorophenol	7.445	232	130314	34.00	ppb	96
65) Diethylphthalate	7.590	149	560897	35.27	ppb	99
66) Fluorene	7.686	166	545855	33.09	ppb	97
67) 4-Chlorophenyl-phenyle...	7.696	204	253861	32.88	ppb	92
68) 4-Nitroaniline	7.744	138	152718	36.01	ppb	90
70) 4,6-Dinitro-2-methylph...	7.771	198	76698	28.32	ppb	90
71) n-Nitrosodiphenylamine	7.846	169	376411	35.21	ppb	100
72) 1,2-Diphenylhydrazine	7.889	77	574121	34.53	ppb	96
74) 4-Bromophenyl-phenylether	8.284	248	149067	34.41	ppb	92
75) Hexachlorobenzene	8.348	284	168902	32.67	ppb	92
76) Pentachlorophenol	8.610	266	97073	36.93	ppb	99
77) Phenanthrene	8.845	178	769206	31.34	ppb	99
78) Anthracene	8.909	178	793597	33.36	ppb	99
79) Carbazole	9.144	167	743601	30.18	ppb	99
80) Di-n-butylphthalate	9.636	149	909794	37.59	ppb	99
81) Fluoranthene	10.426	202	792912	33.18	ppb	97
82) Octadecane	8.749	57	820947	70.85	ppb	95
84) Pyrene	10.741	202	812797	33.44	ppb	96
87) Butylbenzylphthalate	11.767	149	384024	39.18	ppb	96
88) Benzo[a]anthracene	12.520	228	751267	34.27	ppb	99
89) 3,3'-Dichlorobenzidine	12.531	252	421520	58.49	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 11:20:01 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
90) Chrysene	12.574	228	736194	33.83	ppb		99
91) bis(2-Ethylhexyl)phtha...	12.675	149	541883	40.70	ppb		99
93) Di-n-octylphthalate	13.632	149	905843	37.37	ppb		97
94) Benzo[b]fluoranthene	14.075	252	872802	38.63	ppb		96
95) Benzo[k]fluoranthene	14.112	252	744009	31.88	ppb		98
96) Benzo[a]pyrene	14.502	252	723979	36.07	ppb		97
97) Indeno[1,2,3-cd]pyrene	16.009	276	699623	36.14	ppb		97
99) Dibenz[a,h]anthracene	16.046	278	735131	36.01	ppb		97
100) 7,12-Dimethylbenz(a)an...	14.075	256	819949	93.19	ppb		100
101) Benzo[g,h,i]perylene	16.410	276	717810	35.59	ppb		95
103) Benzaldehyde	3.236	105	469787	79.27	ppb		86
105) Atrazine	8.524	215	158762	99.42	ppb	#	77
107) Benzidine	10.715	184	8096m	0.99	ppb		
109) 1,2,4,5-Tetrachloroben...	5.998	216	186624	30.06	ppb		99

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

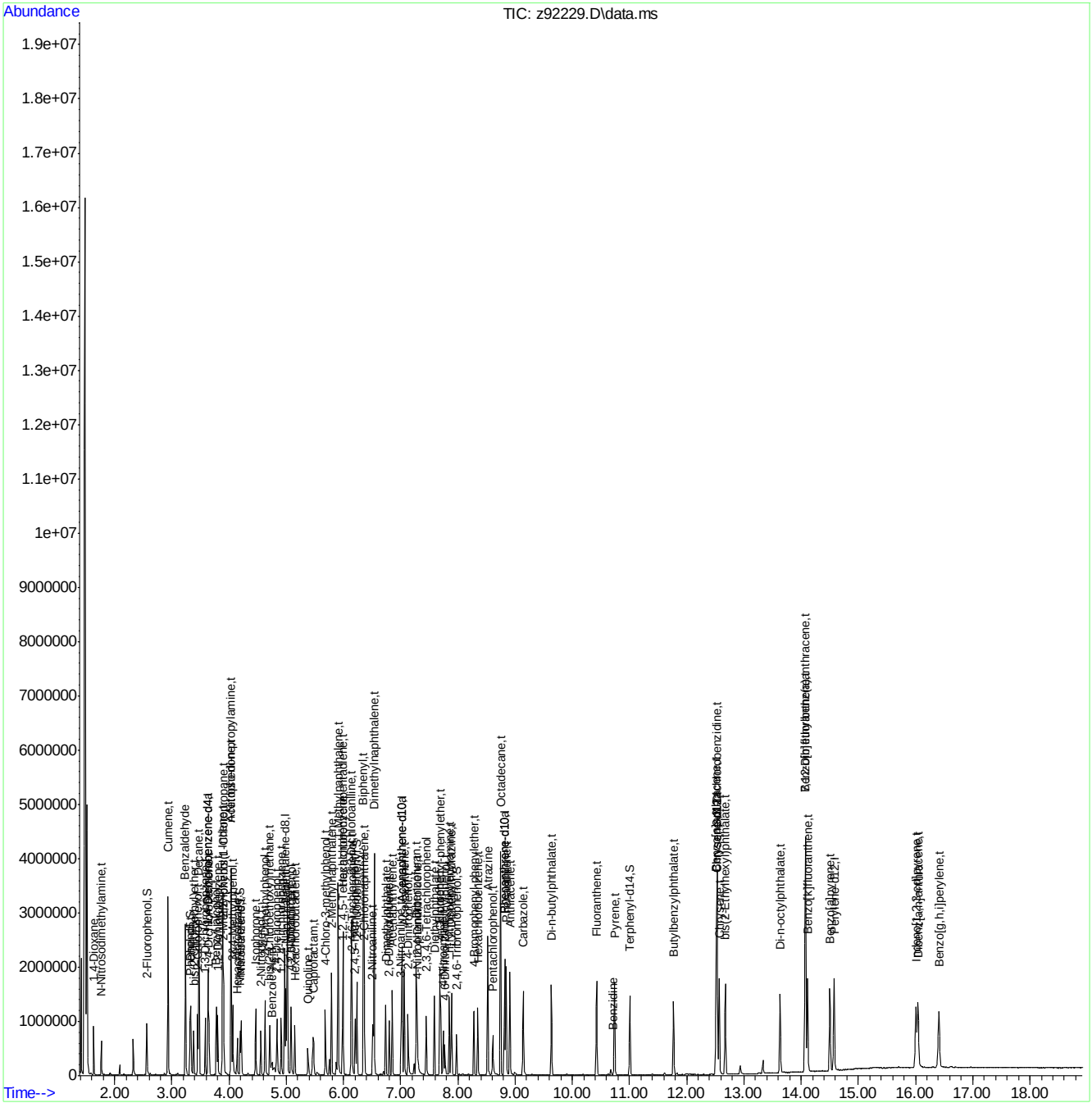
9.4.5

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 09 11:20:01 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 06 13:55:00 2014
Response via : Initial Calibration



MZ4569.M Mon Jun 09 11:23:34 2014 RTE Page: 4

Manual Integration Approval Summary

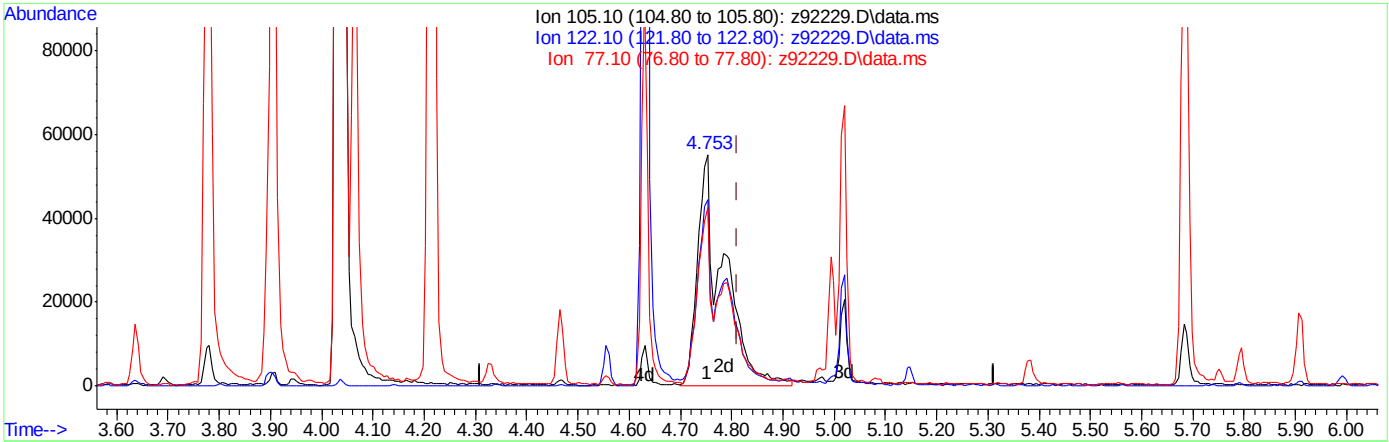
Sample Number:	OP75363-MS	**Method:**	SW846 8270D
Lab FileID:	Z92229.D	**Analyst approved:**	06/09/14 13:00 Ashley Royal
Injection Time:	06/06/14 18:06	**Supervisor approved:**	06/11/14 15:10 Cheng-Hwan Ao

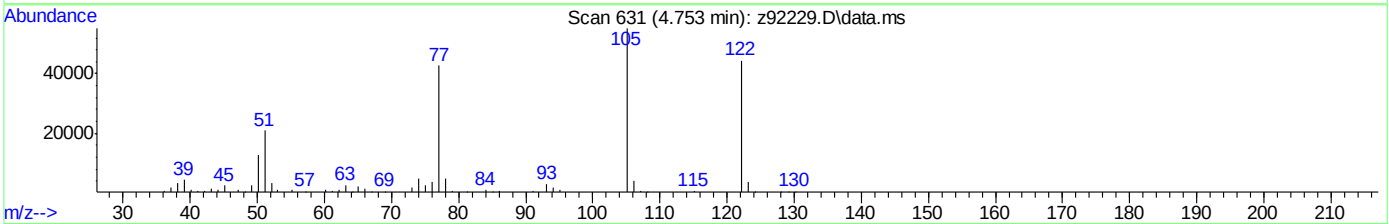
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.75	Poor instrument integration
4-Nitrophenol	100-02-7		7.29	Poor instrument integration
Benzidine	92-87-5		10.71	Poor instrument integration

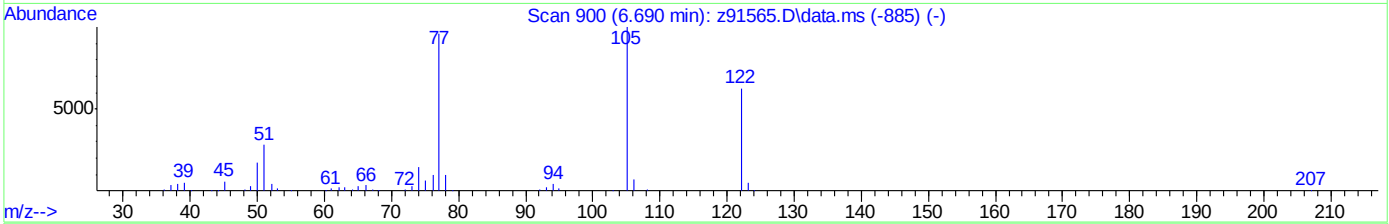
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 18:25:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration







TIC: z92229.D\data.ms

(31) Benzoic Acid

4.753min (-0.059) 47.52ppb m

response 195638

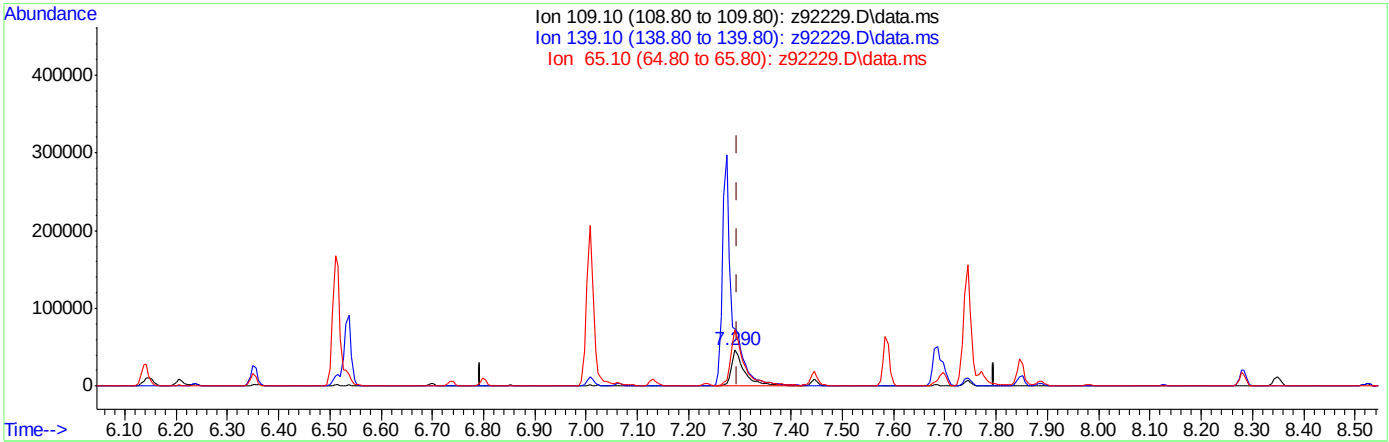
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	39.65#
77.10	33.90	37.14
0.00	0.00	0.00

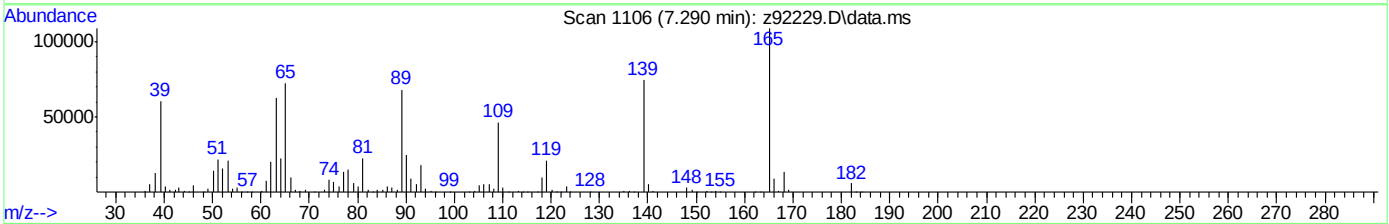
ACCUTEST LABORATORIES JB67976

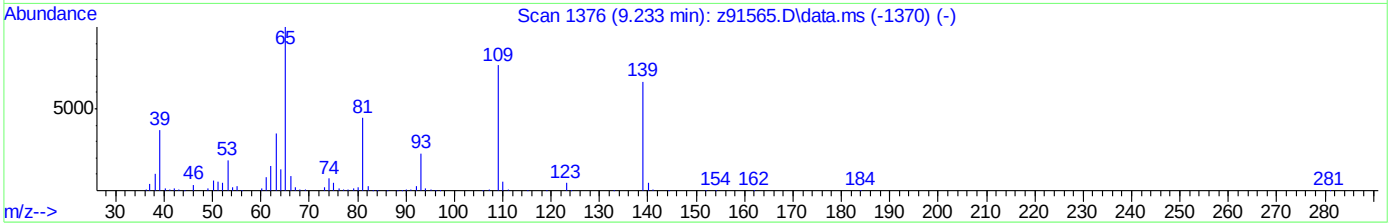
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 18:25:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration







TIC: z92229.D\data.ms

(61) 4-Nitrophenol (t)

7.290min (-0.005) 44.86ppb m

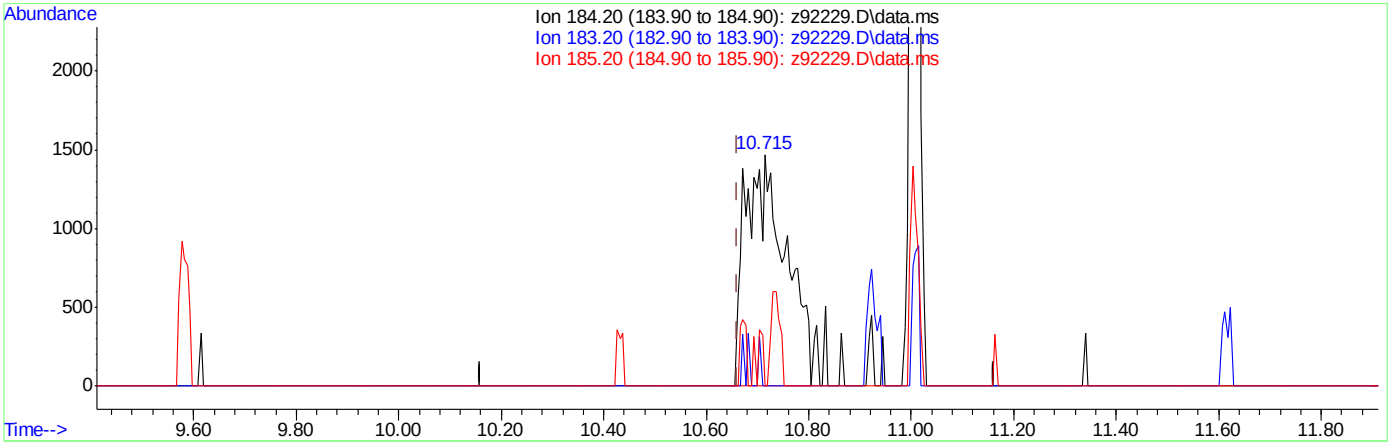
response 85881

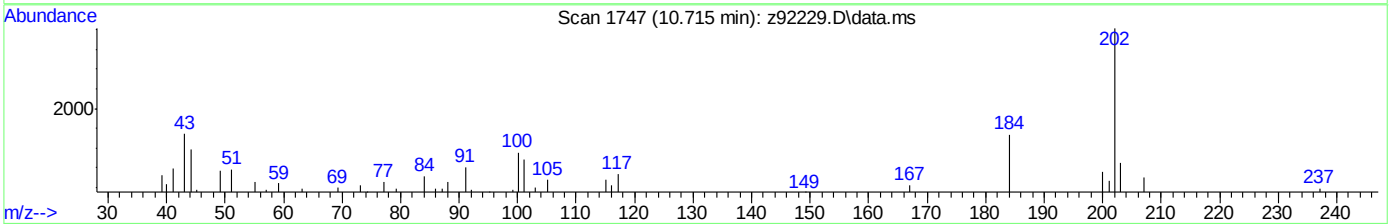
Ion	Exp%	Act%
109.10	100	100
139.10	90.20	160.51#
65.10	153.70	156.78
0.00	0.00	0.00

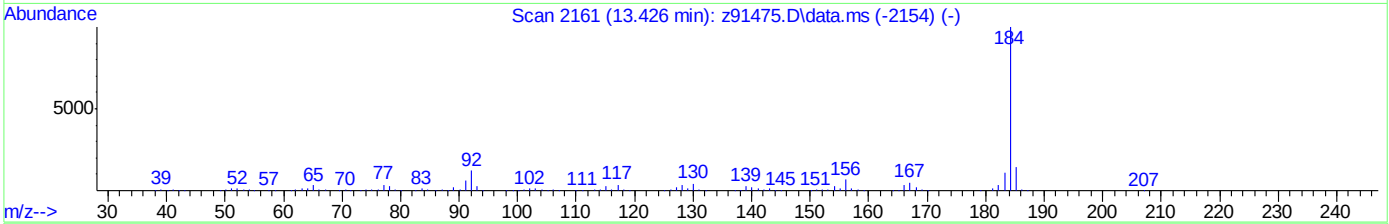
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92229.D
Acq On : 6 Jun 2014 6:06 pm
Operator : ashleyv
Sample : op75363-ms
Misc : op75363,ez4586,445
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 06 18:25:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration







TIC: z92229.D\data.ms

(107) Benzidine

10.715min (+0.054) 0.99ppb m

response 8096

Ion	Exp%	Act%
184.20	100	100
183.20	12.00	0.00
185.20	13.60	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92230.D
Acq On : 6 Jun 2014 6:32 pm
Operator : ashleyv
Sample : op75363-msd
Misc : op75363,ez4586,445
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 11:23:13 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.636	152	221450	40.00	ppb		0.00
24) Naphthalene-d8	4.972	136	862167	40.00	ppb		0.00
47) Acenaphthene-d10	7.023	164	472870	40.00	ppb		0.00
69) Phenanthrene-d10	8.813	188	792229	40.00	ppb		-0.01
83) Chrysene-d12	12.536	240	790427	40.00	ppb		0.00
92) Perylene-d12	14.582	264	710875	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.636	152	221450	40.00	ppb		0.00
104) Phenanthrene-d10a	8.813	188	792229	40.00	ppb		-0.01
106) Chrysene-d12a	12.536	240	790427	40.00	ppb		0.00
108) Acenaphthene-d10a	7.023	164	472870	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.562	112	230979	30.52	ppb		0.00
Spiked Amount 50.000			Recovery =	61.04%			
8) Phenol-d5	3.316	99	271507	28.49	ppb		0.00
Spiked Amount 50.000			Recovery =	56.98%			
25) Nitrobenzene-d5	4.192	82	275691	36.29	ppb		0.00
Spiked Amount 50.000			Recovery =	72.58%			
51) 2-Fluorobiphenyl	6.238	172	499176	33.30	ppb		0.00
Spiked Amount 50.000			Recovery =	66.60%			
73) 2,4,6-Tribromophenol	7.979	330	89646	46.31	ppb		0.00
Spiked Amount 50.000			Recovery =	92.62%			
86) Terphenyl-d14	11.008	244	625714	39.36	ppb		0.00
Spiked Amount 50.000			Recovery =	78.72%			
Target Compounds							Qvalue
4) N-Nitrosodimethylamine	1.766	74	150082	28.26	ppb		80
9) Phenol	3.326	94	301018	28.14	ppb		78
11) bis(2-Chloroethyl)ether	3.380	93	250098	33.36	ppb		99
12) 2-Chlorophenol	3.449	128	279574	32.79	ppb		95
14) 1,3-Dichlorobenzene	3.583	146	219572	23.91	ppb		99
15) 1,4-Dichlorobenzene	3.652	146	225445	23.96	ppb		98
16) Benzyl alcohol	3.775	108	195461	38.05	ppb		91
17) 1,2-Dichlorobenzene	3.802	146	219123	24.85	ppb		97
19) 2-Methylphenol	3.903	108	248317	34.58	ppb		97
20) 2,2'-oxybis(1-Chloropr...	3.898	121	79740	32.19	ppb	#	76
21) 3&4-Methylphenol	4.063	108	261336	33.90	ppb		99
22) n-Nitroso-di-n-propyla...	4.037	70	194034	35.91	ppb		92
23) Hexachloroethane	4.144	201	62413	21.46	ppb		92
26) Nitrobenzene	4.213	77	289271	34.44	ppb		92
28) Isophorone	4.464	82	488476	35.21	ppb		97
29) 2-Nitrophenol	4.555	139	148685	37.81	ppb		86
30) 2,4-Dimethylphenol	4.630	107	271400	41.38	ppb		97
31) Benzoic Acid	4.763	105	162051	44.15	ppb	#	64
32) bis(2-Chloroethoxy)met...	4.710	93	313396	37.16	ppb		99
33) 2,4-Dichlorophenol	4.838	162	219725	36.54	ppb		99
34) 2,6-Dichlorophenol	5.084	162	218927	37.12	ppb		99
36) 1,2,4-Trichlorobenzene	4.913	180	194138	27.11	ppb		100
38) Naphthalene	4.993	128	711337	29.58	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92230.D
Acq On : 6 Jun 2014 6:32 pm
Operator : ashleyv
Sample : op75363-msd
Misc : op75363,ez4586,445
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 11:23:13 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 06 13:55:00 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	4-Chloroaniline	5.079	127	84224	8.88	ppb		94
42)	Hexachlorobutadiene	5.148	225	98059	25.33	ppb		97
43)	4-Chloro-3-methylphenol	5.677	107	256344	40.12	ppb		99
44)	2-Methylnaphthalene	5.794	141	459853	35.20	ppb		97
48)	Hexachlorocyclopentadiene	5.987	237	55970	14.97	ppb		98
49)	2,4,6-Trichlorophenol	6.147	196	166534	40.58	ppb		99
50)	2,4,5-Trichlorophenol	6.200	196	179150	41.16	ppb		99
52)	2-Chloronaphthalene	6.361	162	462810	32.90	ppb		98
54)	2-Nitroaniline	6.510	65	184565	47.84	ppb		89
55)	Dimethylphthalate	6.735	163	606505	40.37	ppb		100
56)	Acenaphthylene	6.852	152	690902	31.26	ppb		99
57)	2,6-Dinitrotoluene	6.799	165	136933	44.48	ppb		93
58)	3-Nitroaniline	7.007	138	149475	38.42	ppb		92
59)	Acenaphthene	7.060	153	513785	36.75	ppb		98
60)	2,4-Dinitrophenol	7.130	184	35467	26.09	ppb		79
61)	4-Nitrophenol	7.290	109	86321	49.03	ppb	#	78
62)	Dibenzofuran	7.274	168	755072	38.92	ppb		86
63)	2,4-Dinitrotoluene	7.285	165	185376	44.11	ppb		67
64)	2,3,4,6-Tetrachlorophenol	7.445	232	145915	41.41	ppb		98
65)	Diethylphthalate	7.589	149	626159	42.82	ppb		100
66)	Fluorene	7.686	166	596008	39.29	ppb		99
67)	4-Chlorophenyl-phenyle...	7.696	204	279764	39.41	ppb		93
68)	4-Nitroaniline	7.744	138	177044	45.40	ppb		89
70)	4,6-Dinitro-2-methylph...	7.776	198	71029	27.93	ppb		97
71)	n-Nitrosodiphenylamine	7.851	169	423418	42.19	ppb		99
72)	1,2-Diphenylhydrazine	7.889	77	635717	40.73	ppb		96
74)	4-Bromophenyl-phenylether	8.284	248	165833	40.77	ppb		95
75)	Hexachlorobenzene	8.348	284	188858	38.91	ppb		94
76)	Pentachlorophenol	8.610	266	112190	45.46	ppb		99
77)	Phenanthrene	8.845	178	884284	38.38	ppb		100
78)	Anthracene	8.909	178	907122	40.61	ppb		99
79)	Carbazole	9.144	167	885634	38.28	ppb		99
80)	Di-n-butylphthalate	9.635	149	1059004	46.60	ppb		100
81)	Fluoranthene	10.426	202	951884	42.43	ppb		97
84)	Pyrene	10.741	202	974147	40.42	ppb		98
87)	Butylbenzylphthalate	11.772	149	473784	48.75	ppb		99
88)	Benzo[a]anthracene	12.520	228	894124	41.13	ppb		99
89)	3,3'-Dichlorobenzidine	12.531	252	539075	75.44	ppb		98
90)	Chrysene	12.574	228	891425	41.31	ppb		99
91)	bis(2-Ethylhexyl)phtha...	12.675	149	666347	50.48	ppb		99
93)	Di-n-octylphthalate	13.631	149	1130958	47.99	ppb		98
94)	Benzo[b]fluoranthene	14.070	252	909428	42.93	ppb		94
95)	Benzo[k]fluoranthene	14.107	252	861929	39.39	ppb		98
96)	Benzo[a]pyrene	14.502	252	816458	43.39	ppb		98
97)	Indeno[1,2,3-cd]pyrene	16.009	276	802455	44.21	ppb		97
99)	Dibenz[a,h]anthracene	16.046	278	820263	42.85	ppb		97
101)	Benzo[g,h,i]perylene	16.415	276	792048	41.88	ppb		95
109)	1,2,4,5-Tetrachloroben...	5.992	216	203949	35.73	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92230.D
Acq On : 6 Jun 2014 6:32 pm
Operator : ashleyv
Sample : op75363-msd
Misc : op75363,ez4586,445
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 09 11:23:13 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 06 13:55:00 2014
Response via : Initial Calibration

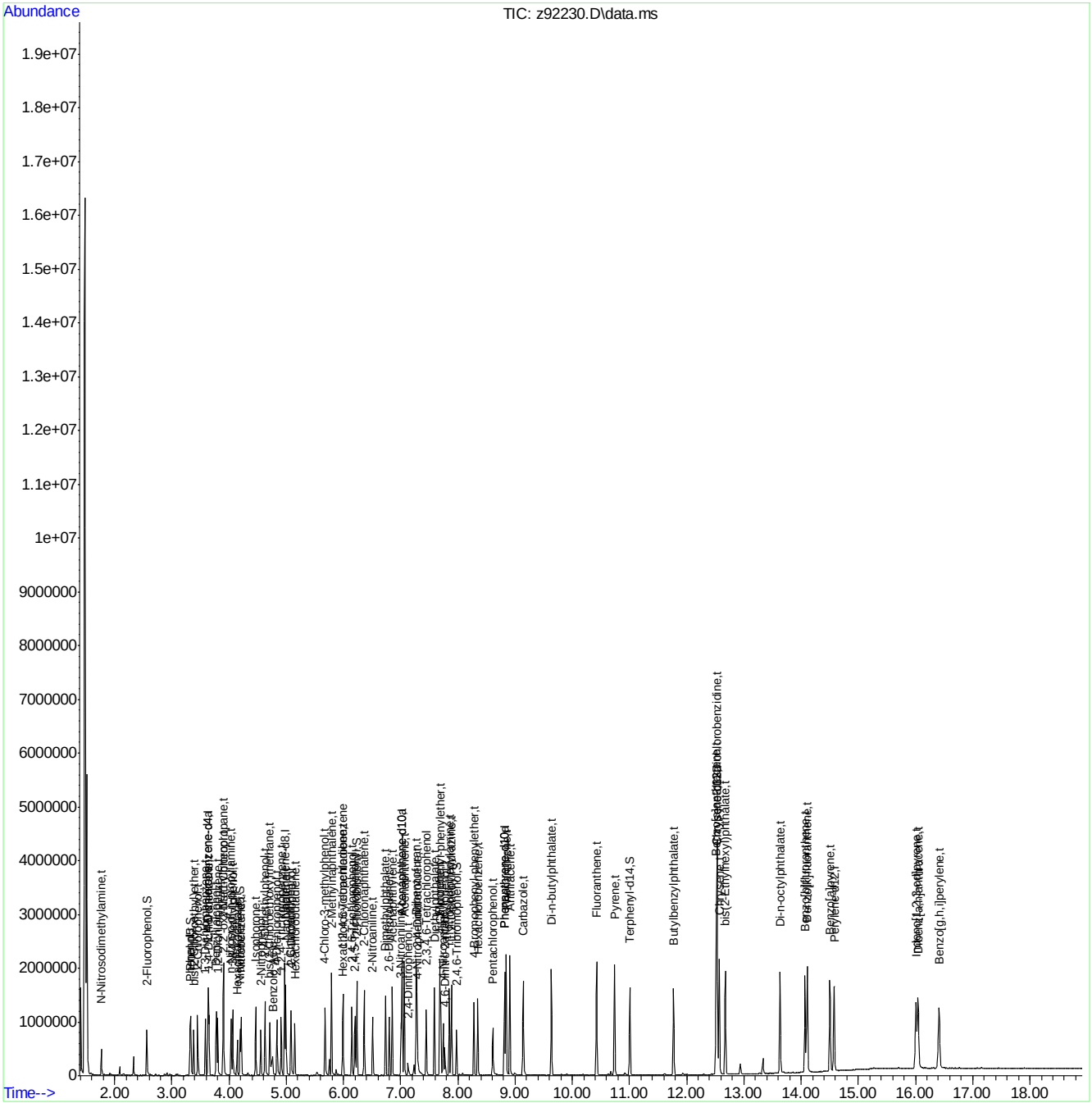
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92230.D
Acq On : 6 Jun 2014 6:32 pm
Operator : ashleyv
Sample : op75363-msd
Misc : op75363,ez4586,445
ALS Vial : 16 Sample Multiplier: 1

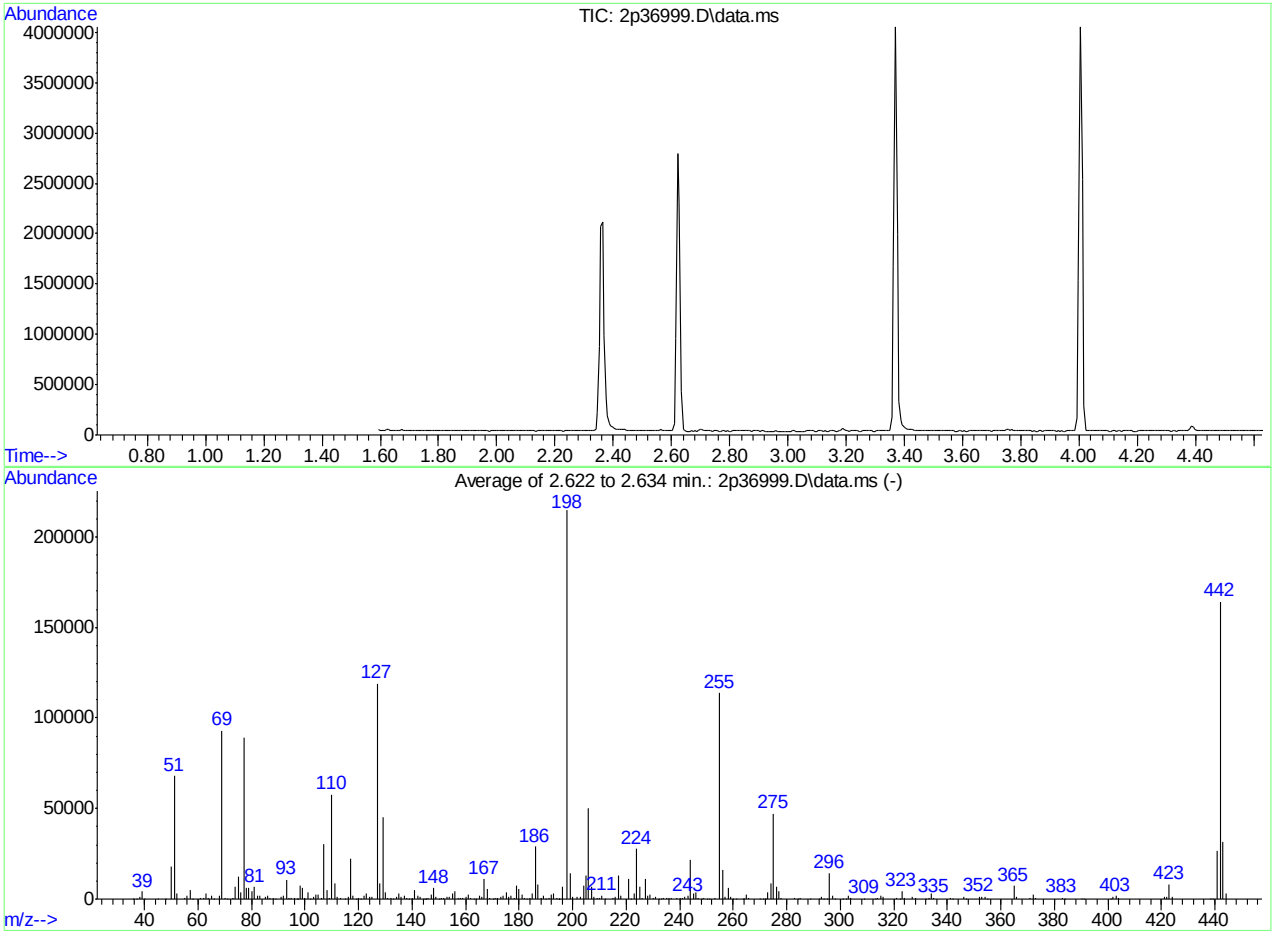
Quant Time: Jun 09 11:23:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



DFTPP

Data File : C:\msdchem\1\DATA\2P1539\2p36999.D Vial: 1
Acq On : 28 May 2014 6:43 pm Operator: ashleyd
Sample : DFTPP Inst : MS2P
Misc : op75027,e2p1539 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\dftpp2p.M (ChemStation Integrator)
Title :



AutoFind: Scans 176, 177, 178; Background Corrected with Scan 172

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.6	67898	PASS
68	69	0.00	2	1.8	1629	PASS
69	198	0.00	100	43.3	93000	PASS
70	69	0.00	2	0.6	543	PASS
127	198	40	60	55.4	118912	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	214571	PASS
199	198	5	9	6.8	14502	PASS
275	198	10	30	22.1	47330	PASS
365	198	1	100	3.3	7148	PASS
441	443	0.01	100	85.2	26792	PASS
442	198	40	100	76.5	164149	PASS
443	442	17	23	19.2	31458	PASS

2p36999.D dftpp2p.M Thu May 29 09:13:51 2014 RPT1

Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	16	55.95	2136	69.95	543	82.00	1773
36.90	314	57.00	4997	71.00	203	82.95	1702
38.00	1083	58.00	263	72.95	730	84.95	1478
39.10	4314	61.00	900	74.00	6906	85.90	1878
39.90	150	62.00	873	75.00	12583	86.95	440
44.85	236	63.00	2908	76.00	4016	87.90	414
47.90	51	63.95	382	77.00	89138	88.90	105
50.00	17942	65.00	1607	78.05	6068	90.90	1158
51.00	67898	66.00	96	79.00	6082	92.00	1749
51.95	3387	68.10	1629	80.00	4515	93.00	10787
55.00	369	69.00	93000	81.00	6674	94.00	723

Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.95	343	105.00	2250	117.00	22417	129.00	45331
96.00	690	106.05	768	118.00	1576	130.00	3786
97.00	157	107.00	30580	118.90	212	131.00	795
97.20	97	108.00	4851	120.00	383	131.95	422
97.95	7397	109.05	877	120.90	85	132.90	225
99.00	6148	110.00	57814	122.00	1835	133.95	1095
99.95	695	111.00	8600	123.00	3090	135.00	3032
101.00	3854	112.00	1033	123.95	1462	136.00	1204
101.85	312	113.10	370	125.00	1420	137.00	1856
103.00	1114	115.05	209	127.00	118912	137.95	434
104.00	2368	116.00	1416	128.00	8732	138.95	242

Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.05	402	149.95	316	161.00	2348	171.95	850
141.00	4946	150.95	706	161.95	519	173.00	1247
142.00	1711	151.95	468	163.00	216	174.05	1670
142.95	1321	153.00	1526	163.85	321	175.00	3926
144.00	310	154.00	1201	164.95	1853	175.95	1303
144.90	129	155.00	2837	166.00	1264	177.00	1816
145.10	105	156.00	4068	167.00	10970	178.05	507
145.90	720	157.00	936	168.00	5651	179.00	7378
147.00	2484	157.95	759	169.00	904	180.00	5488
148.00	6149	158.95	603	170.05	316	181.00	2446
149.00	1203	160.00	1384	170.90	388	181.95	465

Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
182.85	239	194.00	455	206.00	50107	221.00	11089
184.00	588	194.80	171	207.00	6887	221.70	248
185.00	3411	195.10	150	208.00	1544	223.00	3102
186.00	29085	196.00	6981	208.95	449	224.00	27832
187.00	7834	198.00	214571	210.00	347	225.00	6695
188.00	709	199.00	14502	211.00	1974	226.00	638
188.95	1572	200.00	1206	212.10	111	227.00	11421
189.95	292	201.50	1034	214.90	449	227.95	1627
191.00	724	203.00	1378	216.00	1015	229.00	2404
191.95	2384	204.00	7467	217.00	12922	229.90	352
193.00	2978	205.00	12933	218.00	1936	231.00	1003

Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
232.00	262	244.00	21795	257.00	1173	271.90	166
233.00	206	245.00	3000	258.00	6251	272.10	121
234.00	689	246.00	4025	259.00	1018	273.00	3579
235.05	716	247.00	604	259.90	235	274.00	8636

235.95	542	247.90	226	260.90	218	275.00	47330
236.95	783	249.00	747	263.80	131	276.00	6547
239.00	480	250.00	113	264.00	94	277.00	4052
240.00	343	251.00	132	265.00	2607	278.00	645
241.00	533	253.10	391	265.90	354	283.00	385
242.00	1564	255.00	113645	269.90	83	283.95	291
243.10	1853	256.00	16217	271.00	251	285.00	552

Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
288.90	106	304.00	461	328.00	469	354.00	1418
291.95	252	308.90	96	331.95	335	354.95	218
292.95	1067	313.05	203	333.05	402	365.00	7148
293.95	270	314.00	621	334.00	3066	365.90	1243
294.90	303	315.00	1674	335.00	805	370.95	369
296.00	14292	316.00	1001	341.00	701	372.00	2571
297.00	2048	320.95	420	342.00	124	373.05	606
297.90	88	322.10	274	346.00	1142	383.00	704
300.90	83	323.00	4457	347.00	86	383.95	267
302.00	217	324.00	786	352.00	1459	390.05	306
303.00	1731	327.00	997	353.05	957	390.95	196

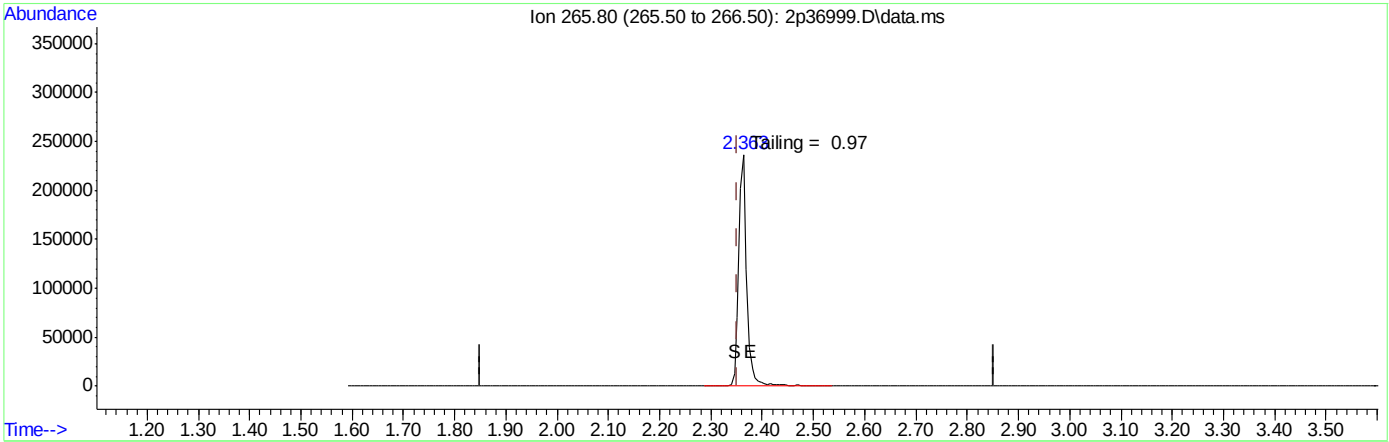
Average of 2.622 to 2.634 min.: 2p36999.D\data.ms
DFTPP
Modified:subtracted

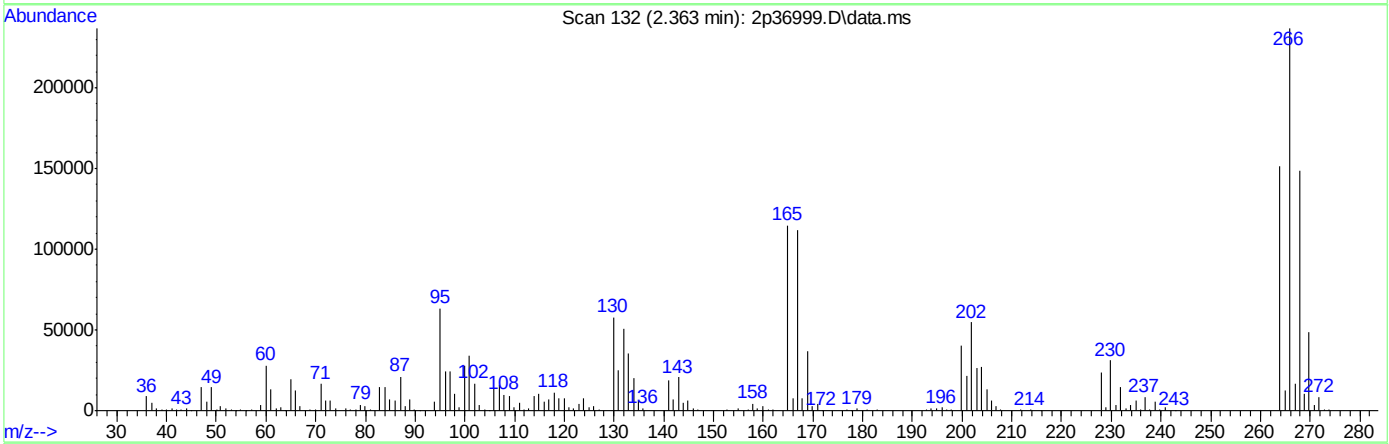
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
400.90	92	442.00	164149				
401.95	979	443.00	31458				
403.00	1704	444.00	3160				
404.00	377						
421.00	1550						
421.95	1151						
423.00	8092						
424.05	1523						
438.40	97						
439.20	117						
441.00	26792						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p36999.D
Acq On : 28 May 2014 6:43 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1539
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:13:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\dftpp2p.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p36999.D\data.ms

(1) Pentacholorphenol

2.364min (+0.012) 53.31ppb

response 2534011

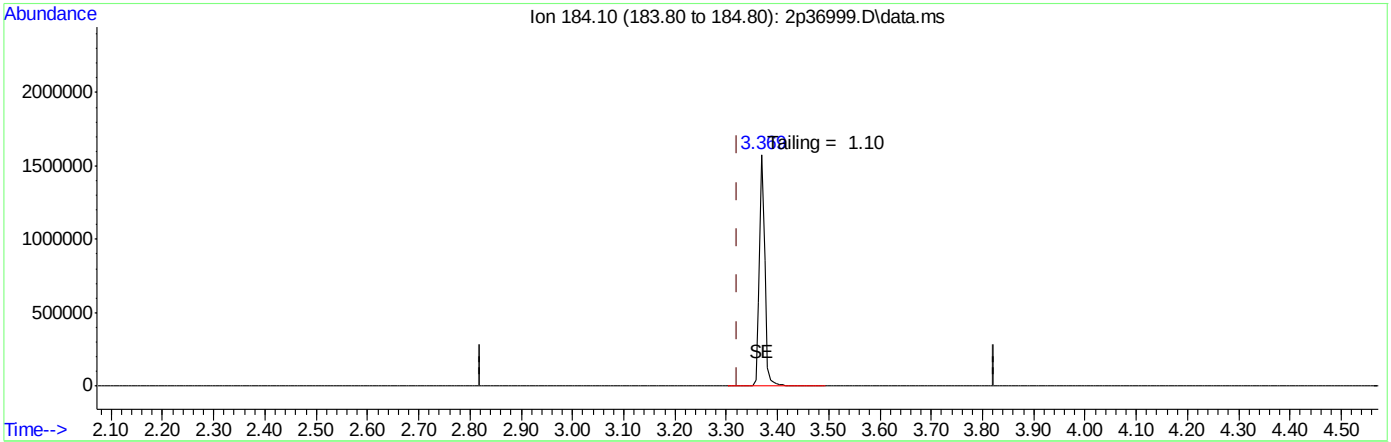
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

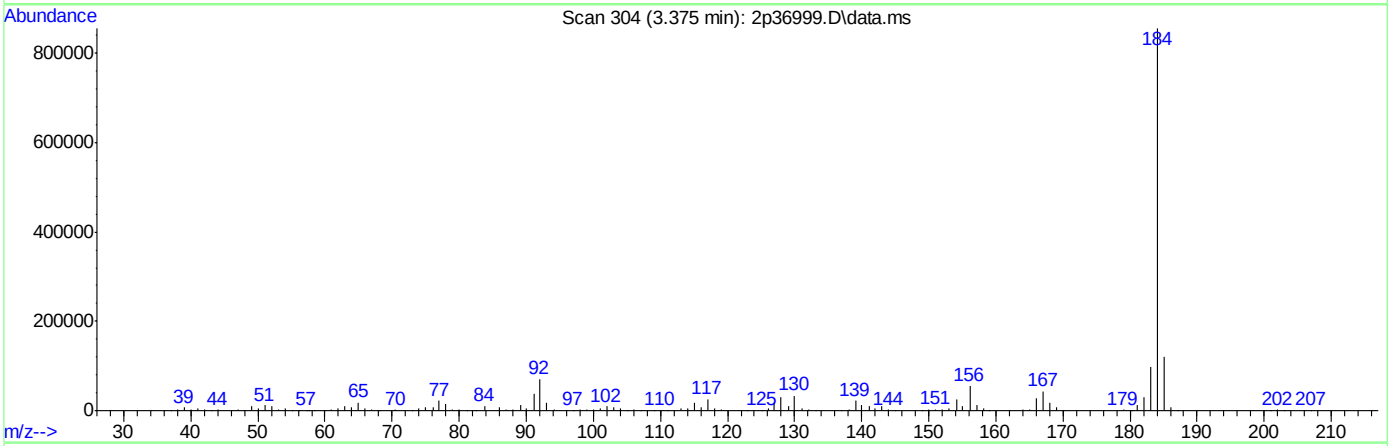
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p36999.D
Acq On : 28 May 2014 6:43 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1539
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:13:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\dftpp2p.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p36999.D\data.ms

(2) Benzidine

3.372min (+0.050) 51.01ppb

response 11530157

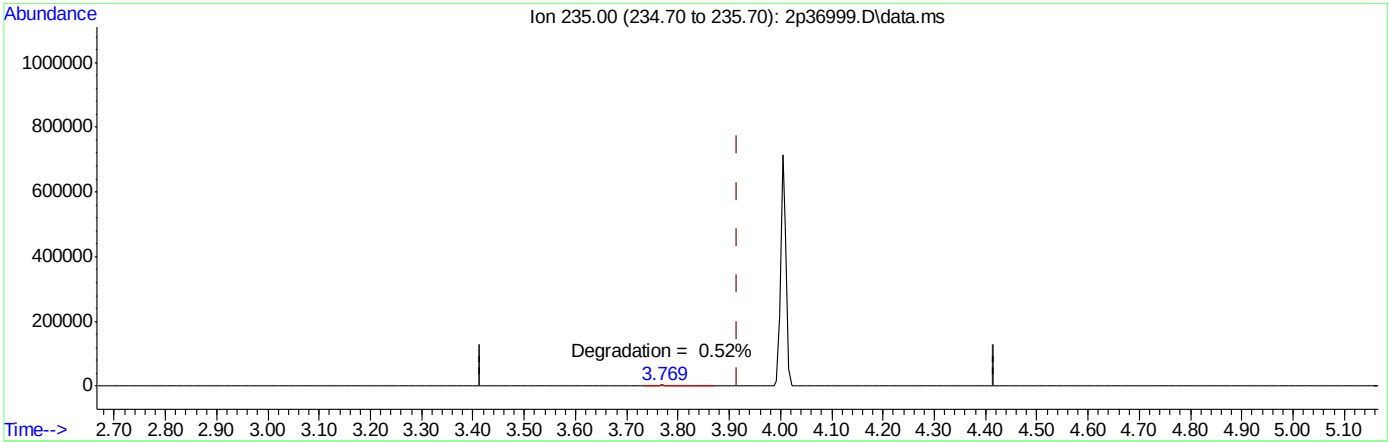
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

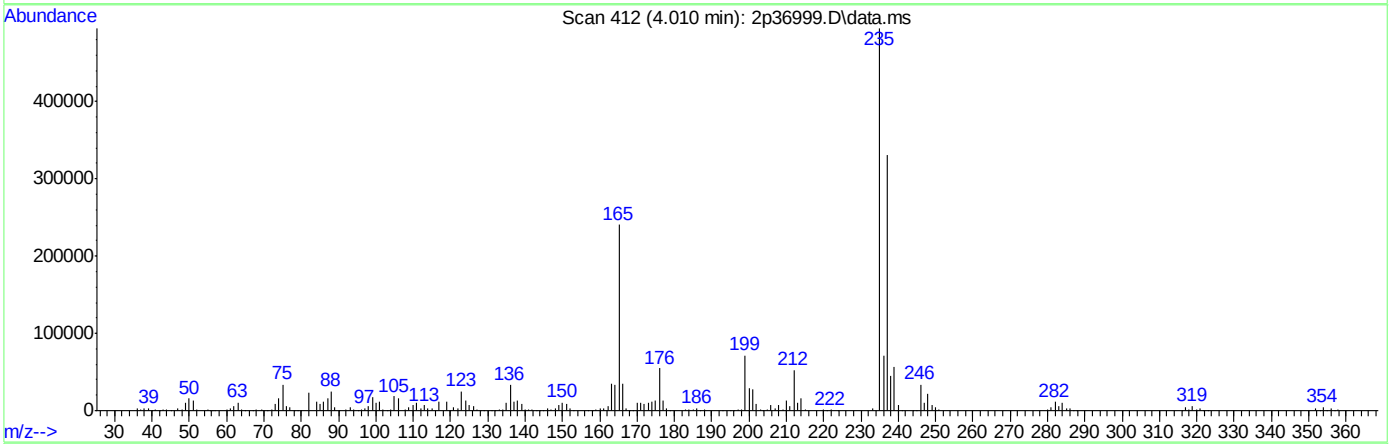
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p36999.D
Acq On : 28 May 2014 6:43 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1539
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:13:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\dftpp2p.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p36999.D\data.ms

(3) PP-DDT

4.008min (+0.092) 56.13ppb

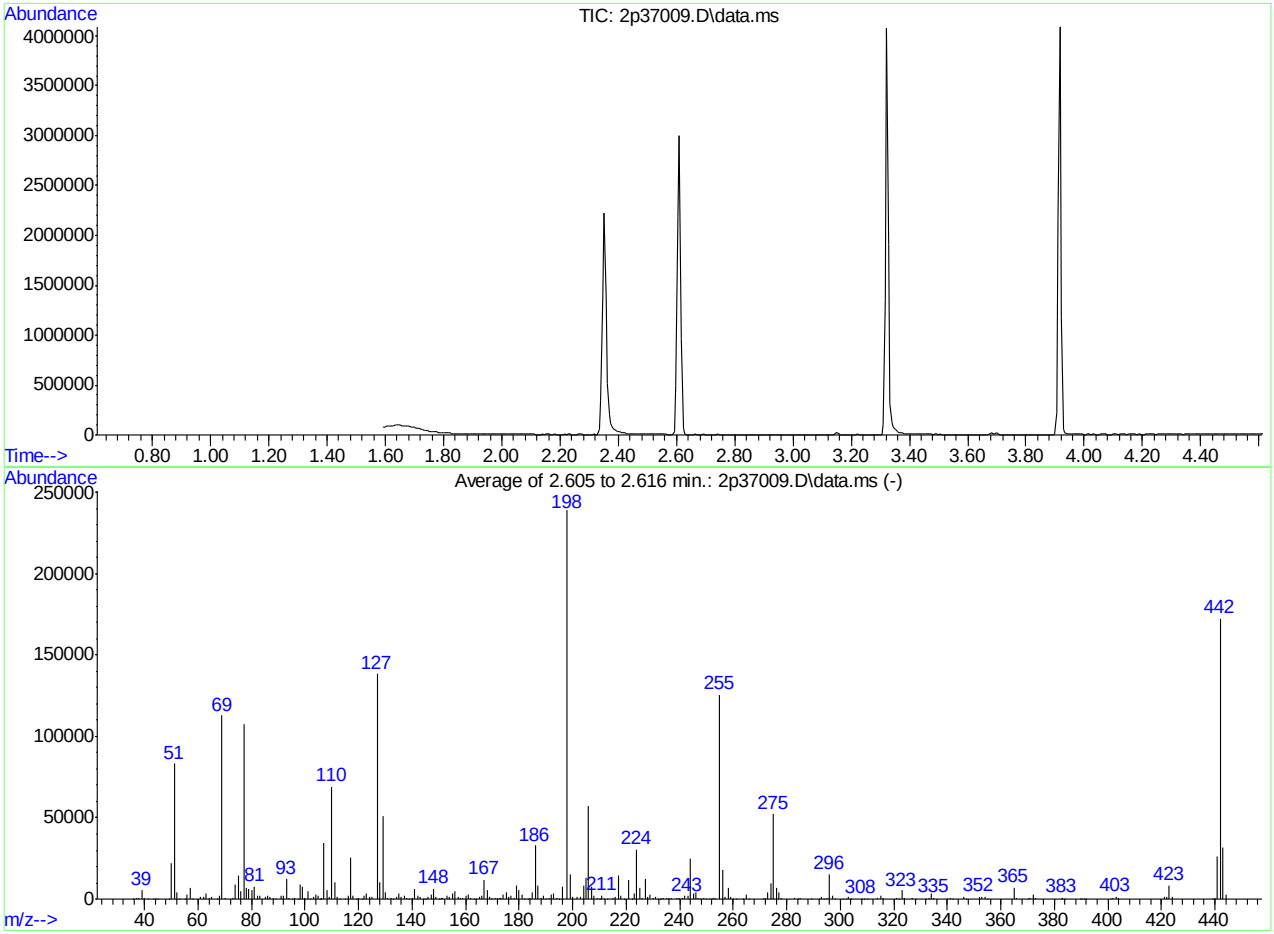
response 5281227

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 File : C:\msdchem\1\DATA\2P1540\2p37009.D Vial: 1
Acq On : 29 May 2014 8:58 am Operator: olgaa
Sample : DFTPP Inst : MS2P
Misc : op75027,e2p1540, Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\dftpp2p.M (ChemStation Integrator)
Title :



AutoFind: Scans 173, 174, 175; Background Corrected with Scan 168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.8	83180	PASS
68	69	0.00	2	1.6	1856	PASS
69	198	0.00	100	47.2	112861	PASS
70	69	0.00	2	0.4	505	PASS
127	198	40	60	57.9	138307	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	238976	PASS
199	198	5	9	6.4	15362	PASS
275	198	10	30	21.8	52144	PASS
365	198	1	100	3.0	7217	PASS
441	443	0.01	100	82.9	26375	PASS
442	198	40	100	72.2	172507	PASS
443	442	17	23	18.4	31808	PASS

2p37009.D dftpp2p.M Thu May 29 12:33:27 2014 RPT1

Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	148	51.00	83180	65.05	1735	79.00	6350
37.00	496	52.05	4226	67.10	97	80.00	5405
37.95	817	53.00	197	68.10	1856	81.00	7662
39.05	5695	54.95	313	69.00	112861	82.00	1951
39.95	454	56.00	2750	70.00	505	83.00	1977
41.00	113	57.00	6631	73.00	807	85.00	1722
43.05	353	58.00	221	74.00	8803	86.00	2026
44.00	63	61.00	1088	75.00	14804	87.00	1174
45.05	188	62.00	1235	76.10	4877	87.95	369
48.95	355	63.05	3510	77.10	107896	88.95	192
50.00	22187	64.00	442	78.05	7137	91.00	1939

Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	1825	103.00	1537	112.95	316	125.00	1465
93.00	12286	104.00	2587	114.90	101	127.00	138307
94.00	928	105.00	2398	116.00	1914	128.00	10251
95.00	220	105.80	89	117.00	25651	129.00	51179
96.00	784	106.05	836	118.00	2124	130.00	4294
97.10	85	107.00	34461	118.90	289	130.95	811
98.00	8673	108.00	5774	119.95	494	132.05	464
99.00	7313	109.10	1082	121.00	111	132.90	244
99.95	774	110.00	68944	122.00	2353	134.00	1336
100.95	4582	111.00	10062	123.00	3458	135.00	3524
101.95	245	112.00	1457	123.95	1674	136.00	1513

Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1772	148.00	6497	158.95	770	169.95	369
137.90	501	148.95	1360	160.00	1972	171.00	462
138.90	133	150.00	306	161.00	2670	171.90	987
139.95	390	150.95	466	162.00	924	172.90	435
141.00	5899	151.45	755	163.00	115	173.10	710
142.00	1943	153.00	1774	163.95	354	174.00	2664
143.00	1320	153.95	1502	164.95	1731	175.00	4470
144.00	306	155.00	3176	166.00	1914	176.00	1402
145.00	280	156.00	4771	167.00	11790	177.00	1958
146.00	1130	157.00	1094	168.00	5756	178.00	603
147.00	2751	157.95	933	169.05	1157	179.00	8480

Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
180.00	5714	191.00	836	204.00	8217	214.95	606
181.00	2788	192.00	2688	205.00	13396	216.00	1241
181.95	361	193.00	3215	206.00	57253	217.00	14695
183.05	290	194.00	507	207.00	7490	218.00	1874
184.00	569	194.85	334	208.00	1788	219.00	102
185.00	4264	196.00	7459	209.00	639	221.00	11955
186.00	32774	198.00	238976	209.90	360	222.00	294
187.00	8565	199.00	15362	210.30	146	223.00	3361
188.05	781	200.00	1303	211.00	2420	224.00	30699
189.00	1824	201.50	1281	211.85	279	225.00	7115
189.90	257	203.00	1505	212.90	93	226.00	839

Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
227.00	12520	237.00	908	248.95	893	259.90	137
227.95	1745	239.00	458	249.80	103	260.90	126
229.00	2781	239.90	426	251.00	179	263.80	256
229.90	479	240.90	774	251.90	181	265.00	2713

230.95	1161	242.00	1832	252.90	432	265.85	190
231.95	303	243.00	1837	253.10	105	271.00	97
232.80	92	244.00	24614	255.00	125528	271.85	387
233.00	97	245.00	3224	256.00	18166	273.00	3864
233.90	986	246.00	4172	257.00	1223	274.00	9630
235.00	938	246.95	759	258.00	6749	275.00	52144
235.95	668	247.80	106	259.00	1094	276.00	6781

Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
277.00	4403	297.00	2196	314.95	1808	335.00	871
277.95	715	298.00	97	315.95	996	340.00	85
283.00	497	301.00	135	321.05	540	341.00	526
284.00	222	302.00	194	321.95	215	342.00	89
284.95	832	302.95	1705	323.00	5402	345.95	1289
289.00	106	303.80	106	324.00	1021	347.10	89
291.90	136	304.00	262	326.95	976	351.95	1517
293.00	1148	308.00	121	328.00	319	352.95	1168
293.95	352	309.00	107	331.95	282	354.00	1522
295.00	417	310.00	111	333.05	487	355.00	271
296.00	15457	314.00	797	334.00	3335	365.00	7217

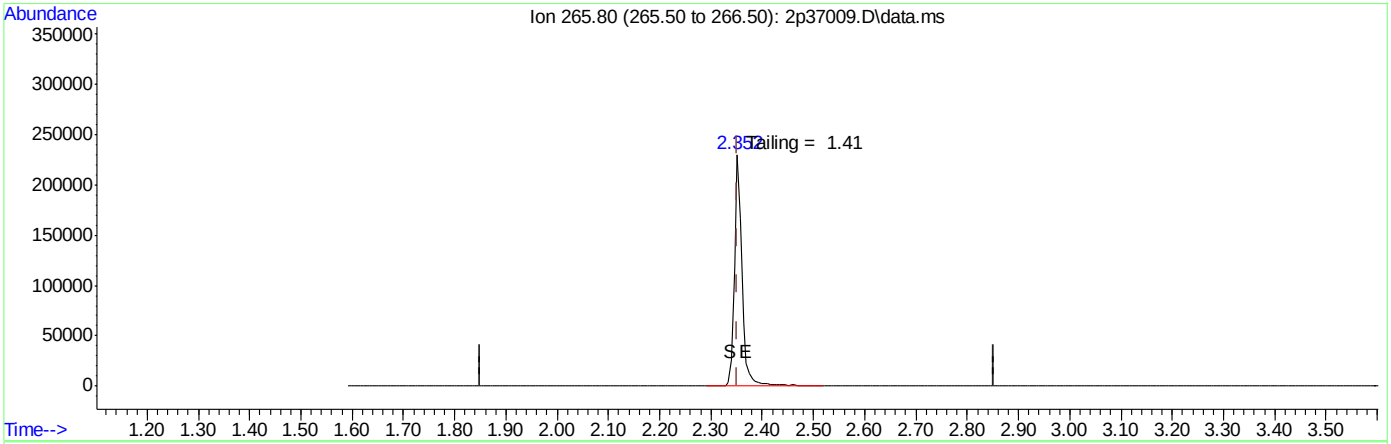
Average of 2.605 to 2.616 min.: 2p37009.D\data.ms
DFTPP
Modified:subtracted

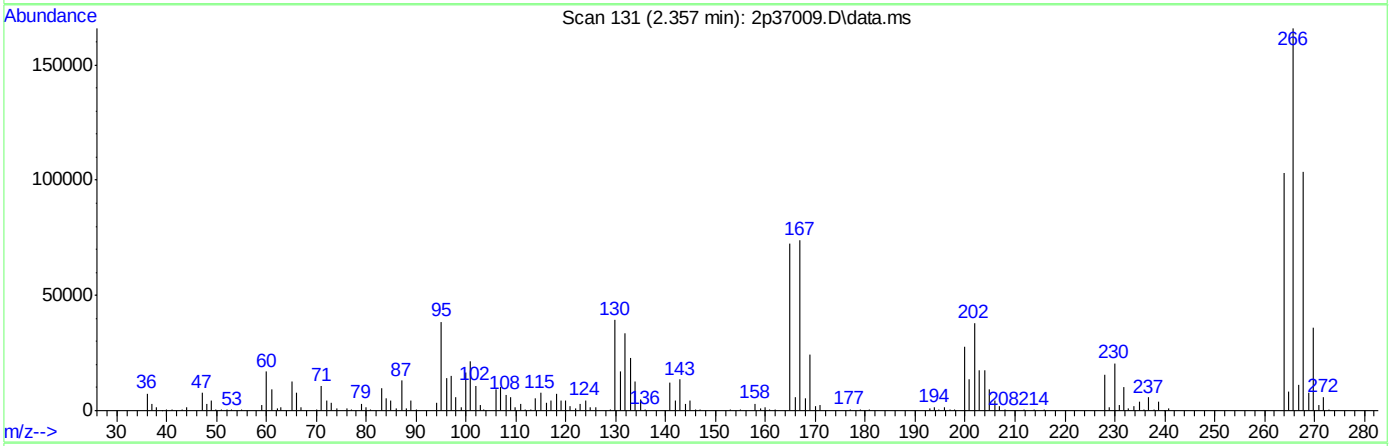
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
365.95	1034	391.90	105	439.90	211		
369.90	86	400.90	137	441.00	26375		
370.95	465	402.00	1011	442.00	172507		
372.00	2526	403.00	1730	443.05	31808		
373.00	809	403.95	565	444.00	3089		
382.70	89	421.05	1423				
382.95	716	422.00	1298				
384.00	240	423.00	8446				
389.80	217	424.00	1741				
390.00	105	439.00	107				
391.00	115	439.60	127				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37009.D
Acq On : 29 May 2014 8:58 am
Operator : olgaa
Sample : DFTPP
Misc : op75027,e2p1540,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:05:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\dftpp2p.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37009.D\data.ms

(1) Pentacholorphenol

2.355min (+0.003) 49.18ppb

response 2337872

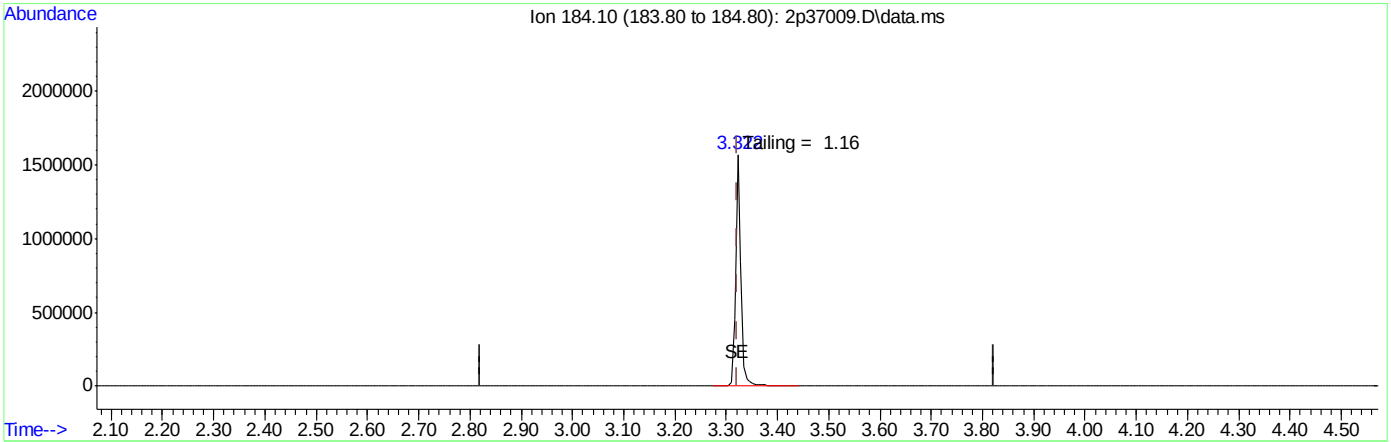
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

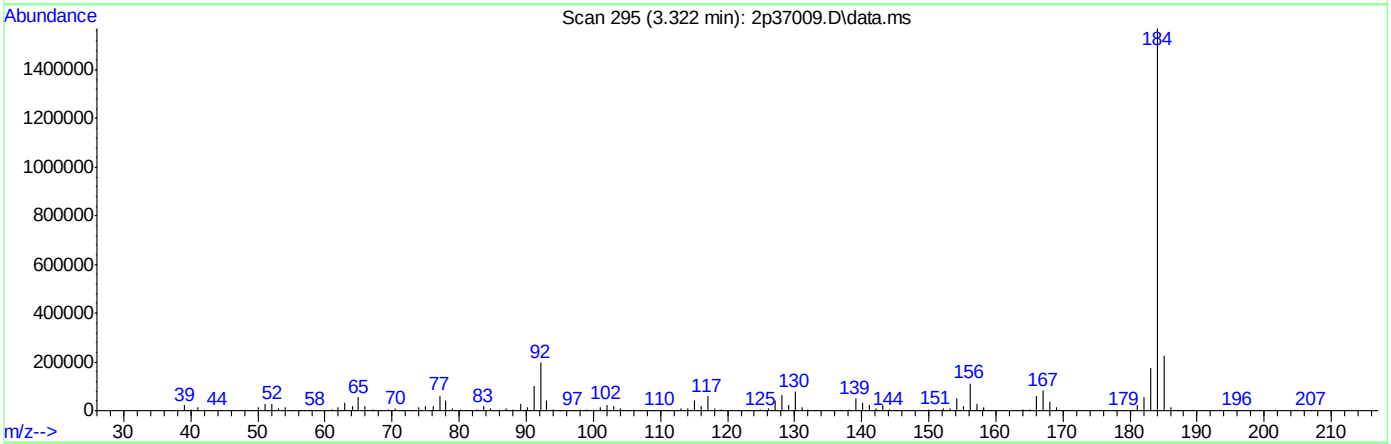
9.5.2.1
9
ACCUTEST LABORATORIES
JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37009.D
Acq On : 29 May 2014 8:58 am
Operator : olgaa
Sample : DFTPP
Misc : op75027,e2p1540,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:05:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\dftpp2p.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37009.D\data.ms

(2) Benzidine

3.325min (+0.003) 49.39ppb

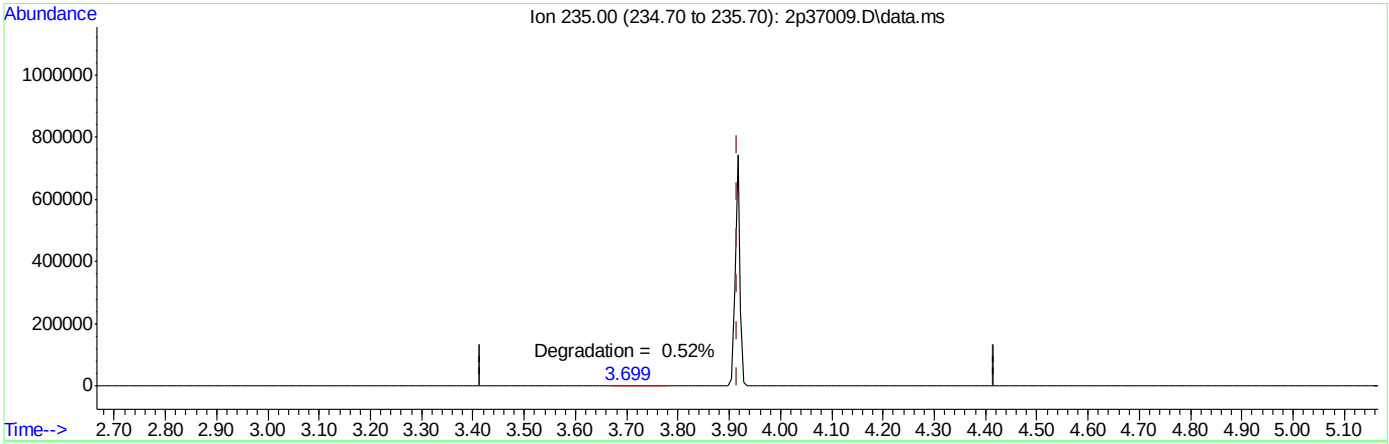
response 11162449

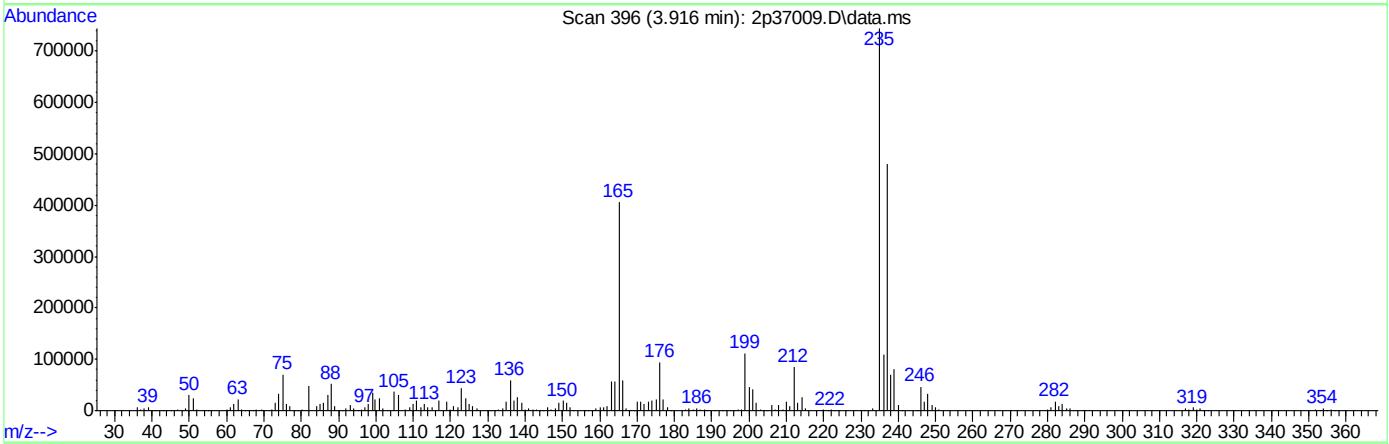
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37009.D
Acq On : 29 May 2014 8:58 am
Operator : olgaa
Sample : DFTPP
Misc : op75027,e2p1540,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 09:05:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\dftpp2p.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37009.D\data.ms

(3) PP-DDT

3.918min (+0.002) 49.76ppb

response 4681975

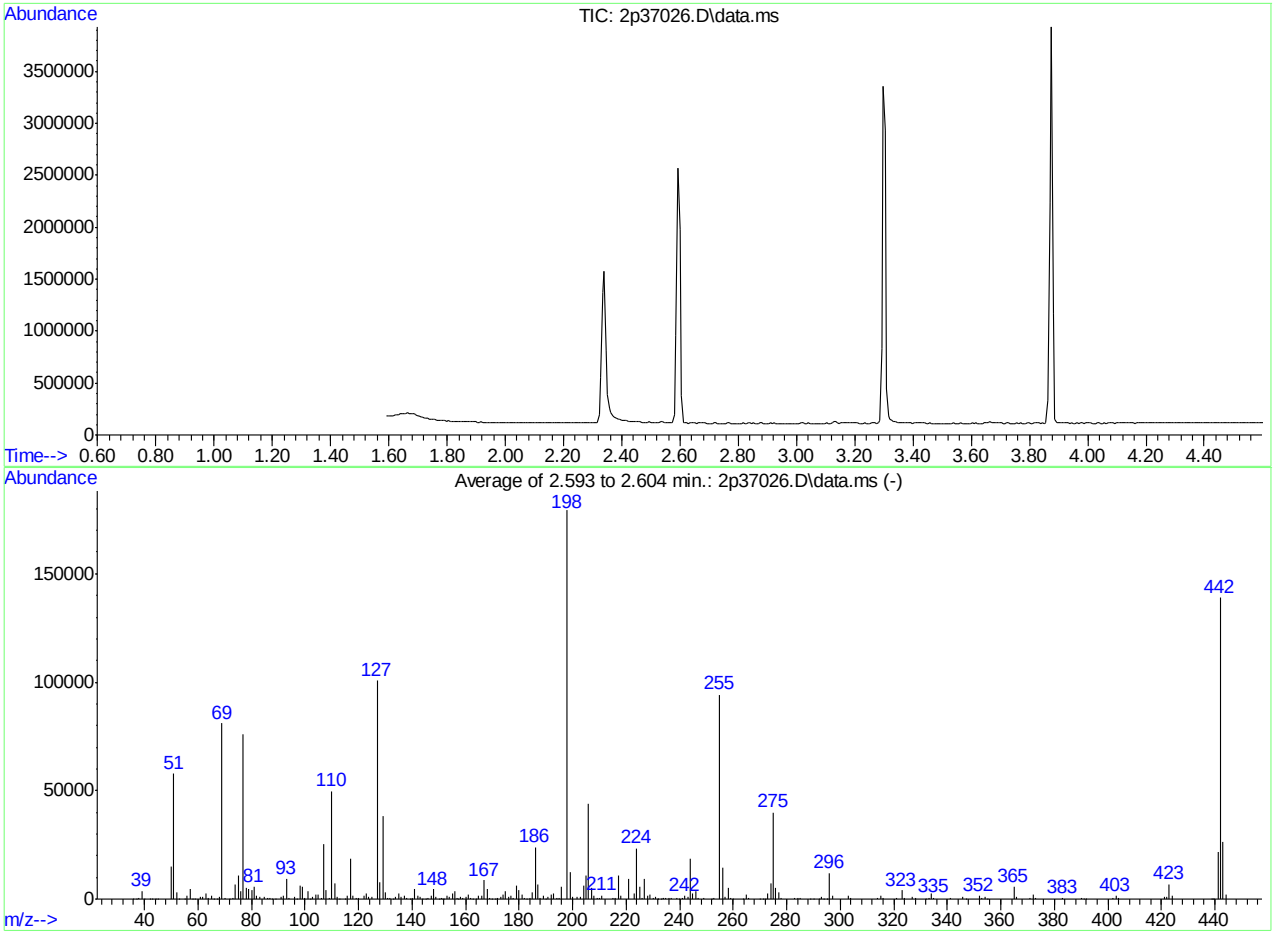
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

DFTPP

Data File : C:\msdchem\1\DATA\2P1541\2p37026.D Vial: 1
Acq On : 29 May 2014 5:34 pm Operator: ashleyd
Sample : DFTPP Inst : MS2P
Misc : op75027,e2p1541 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :



AutoFind: Scans 171, 172, 173; Background Corrected with Scan 167

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.3	57837	PASS
68	69	0.00	2	1.2	1001	PASS
69	198	0.00	100	45.2	80959	PASS
70	69	0.00	2	0.4	361	PASS
127	198	40	60	56.1	100558	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	179187	PASS
199	198	5	9	6.9	12335	PASS
275	198	10	30	22.3	39896	PASS
365	198	1	100	3.1	5574	PASS
441	443	0.01	100	83.4	21914	PASS
442	198	40	100	77.5	138933	PASS
443	442	17	23	18.9	26281	PASS

2p37026.D DFTPP2P.M Fri May 30 09:36:29 2014 RPT1

Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	255	52.00	2895	65.00	1371	76.95	75784
37.00	113	53.05	236	66.00	97	78.05	5329
38.00	577	55.00	129	67.00	176	78.95	4783
39.00	3828	55.95	1581	68.00	1001	80.00	4052
39.95	199	57.00	4474	69.00	80959	81.00	5527
42.00	26	57.95	52	70.00	361	81.95	1423
43.00	2	59.00	126	72.00	193	83.00	1142
44.00	40	61.05	920	73.00	559	85.00	880
45.00	111	61.95	894	74.00	6912	86.00	498
50.00	15029	63.00	2640	75.00	11095	87.00	558
51.00	57837	64.05	368	76.05	3781	87.90	249

Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
89.00	133	102.00	253	112.85	278	127.00	100558
91.00	1172	102.95	1194	114.90	85	128.00	7815
92.00	1422	104.00	1834	116.00	1367	129.00	38232
93.00	9240	105.00	1871	117.00	18494	130.00	3332
94.00	682	106.05	698	117.95	1341	131.00	709
96.05	796	107.00	25098	118.95	333	131.85	413
96.95	193	108.00	3959	120.00	335	132.95	14
98.00	6424	109.10	366	121.95	1693	134.00	979
99.00	5626	110.00	49726	122.95	2477	135.00	2558
99.95	581	111.00	7303	123.95	1291	136.00	1078
101.00	3449	111.95	921	125.00	1283	137.00	1460

Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.90	357	149.00	1007	158.00	809	169.00	740
139.10	111	150.00	227	159.00	489	169.90	253
139.95	415	151.05	705	160.00	1274	170.90	211
141.00	4430	151.60	227	161.00	2039	172.00	685
142.00	1324	151.90	225	162.00	623	173.00	861
143.00	1132	153.00	1327	162.90	95	174.00	1892
144.00	165	154.00	1062	163.95	264	175.00	3398
144.95	222	155.05	2364	164.90	1456	176.00	1016
145.95	777	156.05	3460	166.05	1425	177.00	1514
147.05	1824	157.00	451	166.95	8710	177.90	552
148.00	4560	157.20	227	168.00	4796	179.00	6192

Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
180.00	4342	190.95	908	204.05	6097	218.00	1406
181.00	1962	192.00	1907	205.05	10713	221.00	9208
181.95	321	193.00	2534	206.00	44000	223.00	2639
183.00	99	194.00	410	207.00	5440	224.00	23392
183.95	543	194.85	296	208.00	1557	225.05	5774
185.00	3020	196.00	5763	209.00	486	226.00	632
186.00	23913	198.00	179187	210.20	371	227.00	9330
187.00	6756	199.00	12335	211.00	1714	228.00	1543
188.00	746	200.00	916	214.95	464	229.00	2045
189.00	1387	201.50	1113	216.00	784	229.95	294
189.95	232	202.95	1207	217.00	11006	231.00	838

Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
231.80	90	242.00	1337	257.00	1091	274.00	7288
232.00	112	243.10	1163	258.00	5270	275.00	39896
232.95	189	244.00	18681	258.95	751	276.00	5220
233.90	294	245.00	2475	259.90	96	277.00	3233

234.10	288	246.00	3444	263.85	180	277.95	541
234.95	598	246.95	722	265.00	2287	282.90	374
235.90	426	249.00	533	265.85	333	284.00	280
236.95	707	251.90	102	269.90	83	285.05	560
238.90	391	252.90	362	271.05	210	288.90	86
239.90	235	255.00	94192	272.00	252	290.00	114
241.00	510	256.00	14270	273.00	2782	292.00	116

Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
293.00	871	323.00	4055	352.00	1410	391.00	103
293.90	201	324.00	681	353.00	702	391.90	94
295.10	149	327.00	838	354.10	1272	402.00	776
296.00	11982	327.95	376	355.00	146	403.05	1371
297.00	1655	331.85	228	365.00	5574	404.05	332
303.00	1393	333.00	347	365.95	854	421.00	1022
303.95	377	334.00	2739	370.95	359	422.05	954
313.95	446	335.05	589	372.00	2257	423.00	6949
315.00	1371	341.05	416	373.00	463	424.05	1331
315.95	750	345.90	907	383.05	493	438.60	93
321.00	329	346.90	99	390.00	311	439.10	86

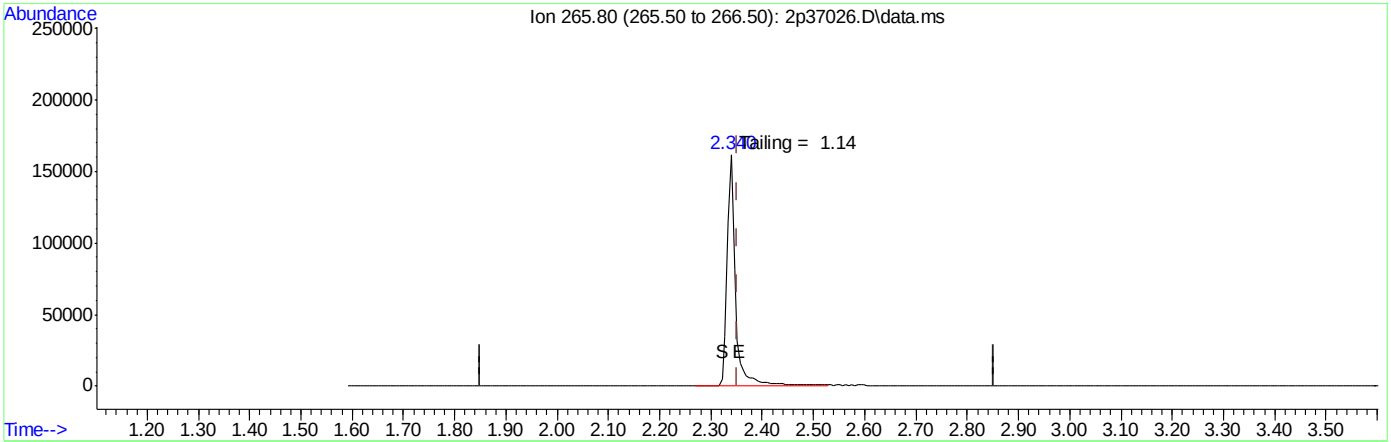
Average of 2.593 to 2.604 min.: 2p37026.D\data.ms
DFTPP
Modified:subtracted

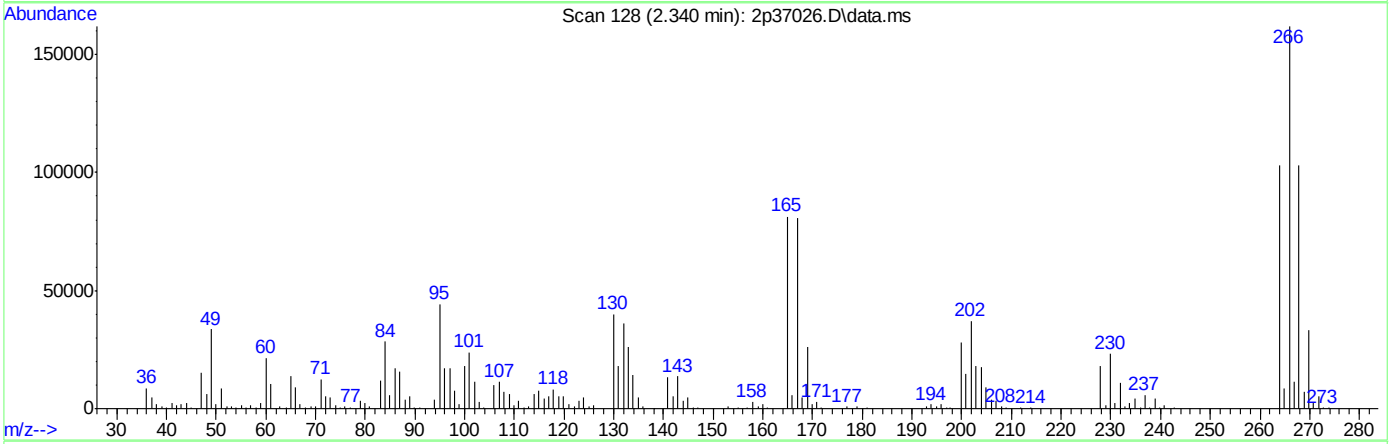
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
439.70	125						
441.05	21914						
442.00	138933						
443.00	26281						
444.00	2267						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1541\
Data File : 2p37026.D
Acq On : 29 May 2014 5:34 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1541
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 17:37:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37026.D\data.ms

(1) Pentacholorphenol

2.342min (-0.010) 35.97ppb

response 1710012

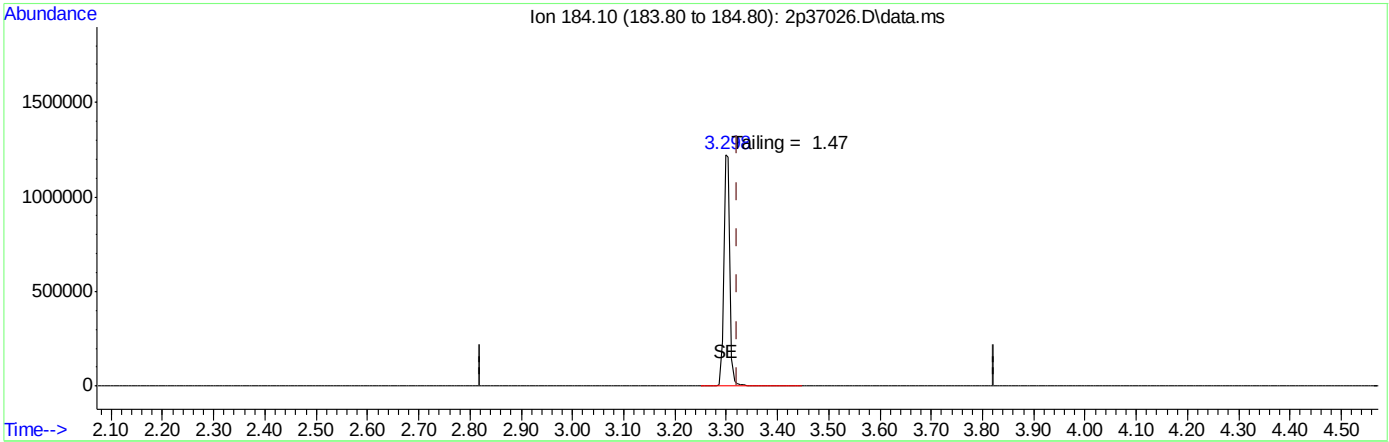
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

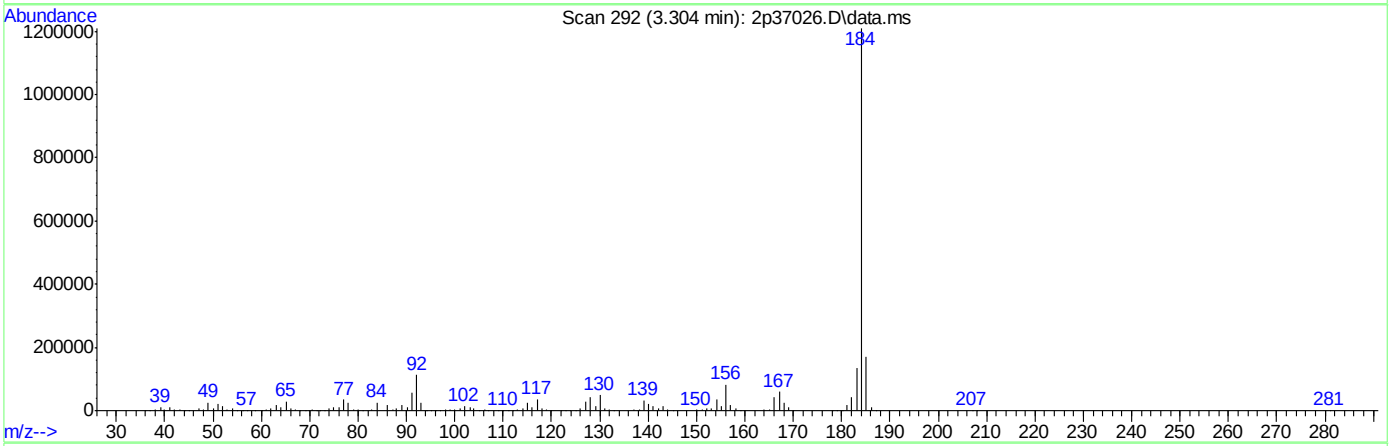
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1541\
Data File : 2p37026.D
Acq On : 29 May 2014 5:34 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1541
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 17:37:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37026.D\data.ms

(2) Benzidine

3.304min (-0.018) 44.86ppb

response 10140048

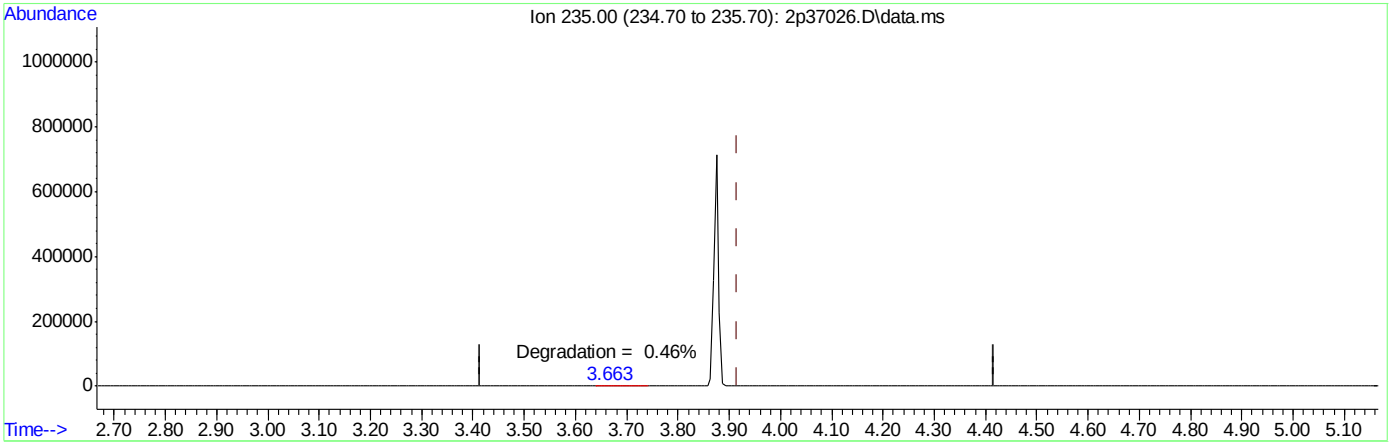
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

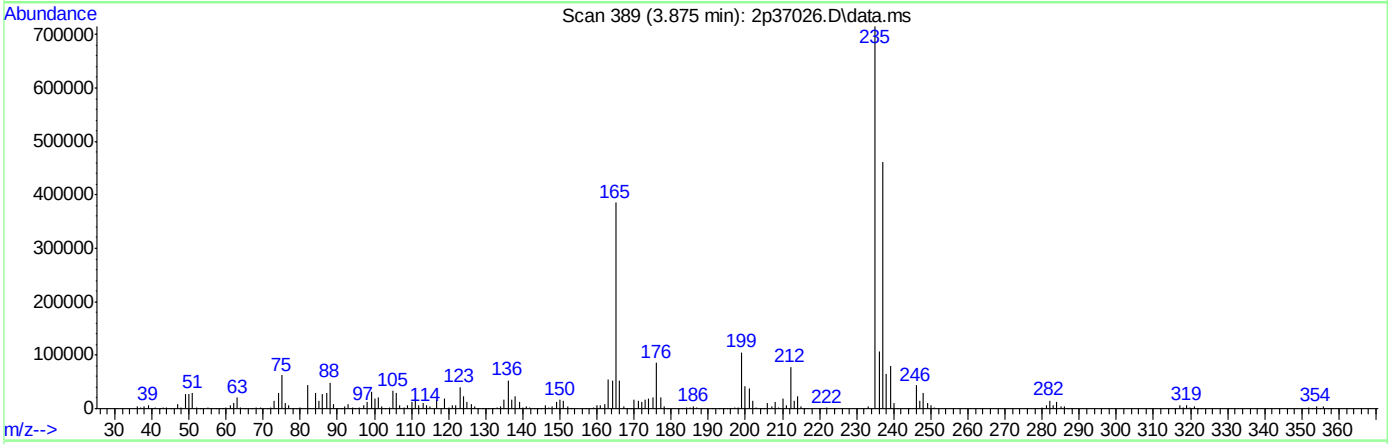
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1541\
Data File : 2p37026.D
Acq On : 29 May 2014 5:34 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1541
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 29 17:37:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37026.D\data.ms

(3) PP-DDT

3.877min (-0.039) 48.75ppb

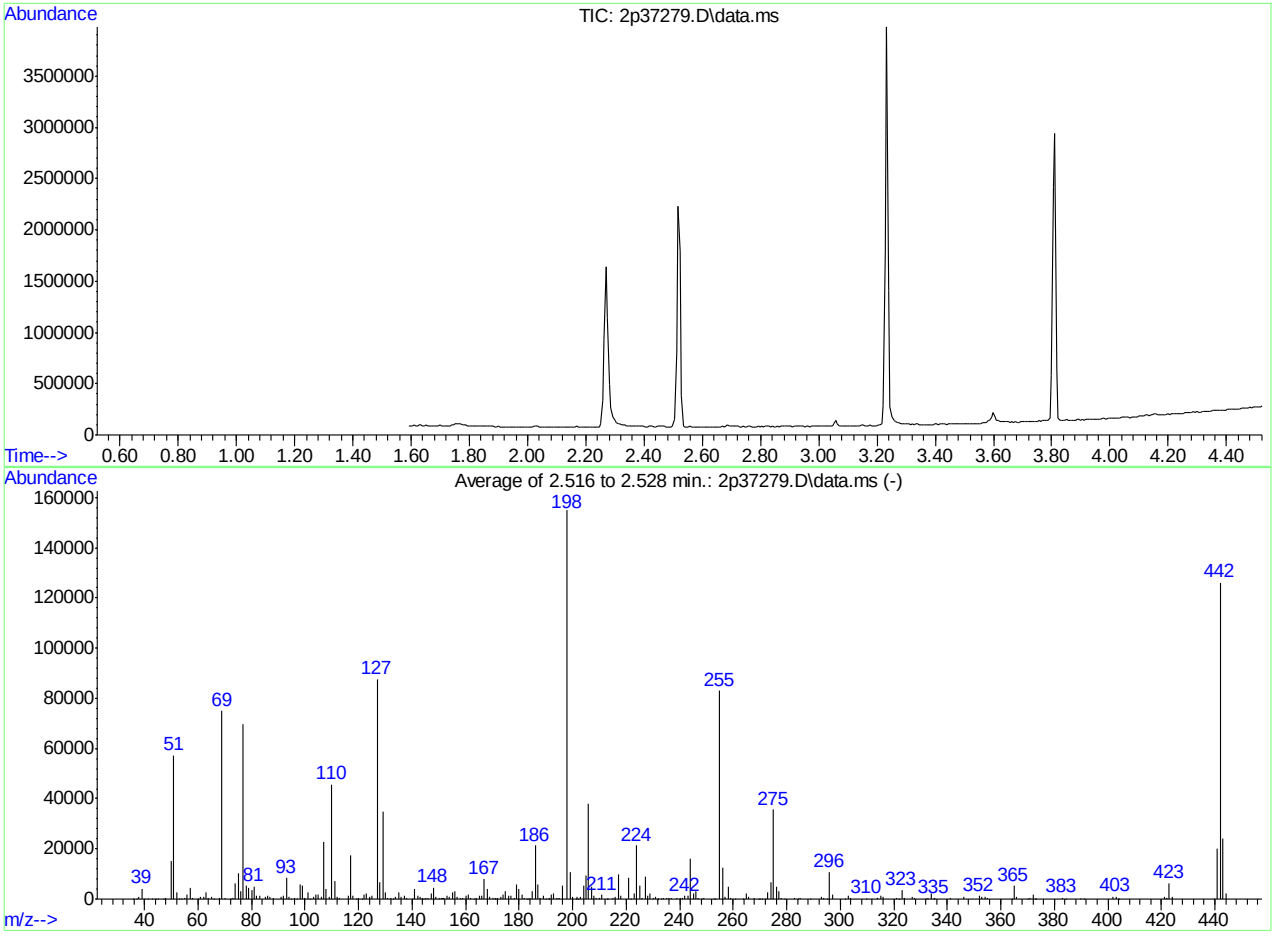
response 4586575

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 File : C:\msdchem\1\DATA\2P1551\2p37279.D Vial: 1
Acq On : 5 Jun 2014 11:09 pm Operator: ashleyd
Sample : DFTPP Inst : MS2P
Misc : op75027,e2p1551 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :



AutoFind: Scans 158, 159, 160; Background Corrected with Scan 153

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.9	57218	PASS
68	69	0.00	2	0.5	398	PASS
69	198	0.00	100	48.4	74925	PASS
70	69	0.00	2	0.5	343	PASS
127	198	40	60	56.7	87772	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	154885	PASS
199	198	5	9	6.9	10744	PASS
275	198	10	30	23.0	35621	PASS
365	198	1	100	3.4	5293	PASS
441	443	0.01	100	83.4	20190	PASS
442	198	40	100	81.4	126011	PASS
443	442	17	23	19.2	24199	PASS

2p37279.D DFTPP2P.M Fri Jun 06 11:55:09 2014 RPT1

Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	90	50.00	15120	62.00	827	75.00	10300
36.90	134	51.00	57218	63.00	2602	76.05	3090
38.00	862	52.00	2895	63.95	353	76.95	69924
39.00	4181	53.00	236	65.00	1046	78.00	5247
39.95	221	53.95	6	66.00	86	79.00	4540
41.00	214	55.00	488	68.00	398	80.00	3629
43.00	184	55.95	1840	69.00	74925	80.95	4985
43.95	193	57.00	4485	70.00	343	82.00	1523
45.00	38	58.05	414	72.00	113	82.95	1325
47.00	159	59.95	19	73.00	685	85.00	1007
47.95	313	61.05	1026	74.00	6110	85.90	1160

Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	873	100.00	493	111.00	6985	124.00	1006
87.90	388	101.00	2899	111.95	876	125.00	1224
91.00	920	102.00	136	113.00	310	127.00	87772
91.95	1254	103.00	1047	116.00	1279	128.00	6651
93.00	8370	104.00	2021	117.00	17461	129.00	34929
94.00	880	105.00	1611	117.95	1212	130.00	2871
95.00	193	106.05	851	118.95	108	130.95	411
95.95	419	107.00	22665	120.00	474	131.90	328
97.00	231	108.00	3949	121.05	236	132.90	151
98.00	6033	109.05	819	121.95	1678	133.90	893
99.00	5200	110.00	45680	123.00	2311	135.00	2695

Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.95	1075	147.00	2098	156.05	3280	166.95	7982
136.95	1550	148.00	4481	156.95	770	168.00	3846
137.85	521	148.95	1079	158.00	671	168.95	888
139.90	199	149.95	374	158.90	643	170.05	336
141.00	4202	151.00	310	160.00	1254	170.90	268
142.00	1226	151.20	279	161.00	1853	171.10	129
143.05	958	151.60	357	161.95	627	171.90	622
143.90	320	151.95	307	162.95	187	173.00	991
144.10	84	153.00	1377	164.05	402	174.00	1706
145.05	360	154.05	895	165.00	1225	175.00	3181
145.95	614	155.00	2516	166.00	1323	176.00	1163

Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.95	1308	187.00	6044	198.00	154885	207.95	1483
178.15	654	187.95	628	199.00	10744	208.95	439
178.95	5983	188.95	1288	199.95	980	210.00	387
180.00	4033	190.00	217	201.10	109	210.20	335
181.00	2028	191.00	640	201.50	886	210.95	1695
181.95	434	191.20	84	201.90	95	212.80	92
182.90	155	192.00	1986	202.85	925	213.10	125
183.30	93	193.00	2254	204.00	5418	215.00	512
184.00	474	193.95	407	205.00	9550	216.00	855
185.00	3066	195.05	339	206.00	37881	217.00	9969
186.00	21402	196.00	5341	207.00	4819	217.95	1277

Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
221.00	8354	231.80	167	243.00	1215	256.95	1044
221.60	202	232.00	96	244.00	16318	258.00	5020
223.00	2228	232.90	198	245.00	2134	258.95	660
224.00	21391	233.90	497	245.95	3200	260.80	196

225.00	5180	235.00	647	246.90	594	263.80	41
226.10	303	236.00	426	248.00	97	264.95	2125
227.00	8751	236.90	627	248.95	511	265.90	700
228.00	1308	239.00	315	252.90	135	267.75	251
229.00	2047	240.00	282	253.10	193	269.70	87
229.95	348	240.90	474	255.00	83005	269.90	87
231.05	737	242.00	1248	256.00	12700	270.75	214

Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.00	124	288.95	190	314.10	243	334.00	2405
273.00	2648	293.00	723	314.95	1378	334.90	226
274.00	6711	294.00	290	316.00	740	335.10	284
275.00	35621	294.90	121	321.05	348	341.00	457
276.00	4955	296.00	10958	322.00	126	345.95	760
277.00	2985	296.95	1604	323.00	3712	352.00	1161
277.95	590	301.90	100	324.00	685	353.00	855
279.00	94	303.00	1400	326.85	829	353.95	1095
282.95	372	304.00	373	327.90	434	355.00	255
283.95	234	309.90	106	332.00	218	364.00	94
285.00	471	313.90	338	332.95	464	364.90	5293

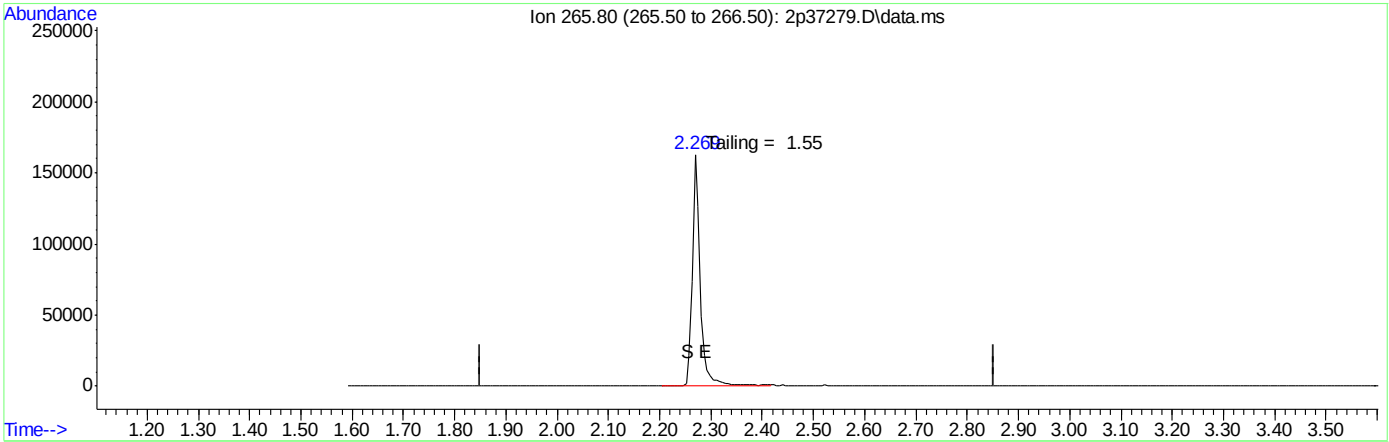
Average of 2.516 to 2.528 min.: 2p37279.D\data.ms
DFTPP
Modified:subtracted

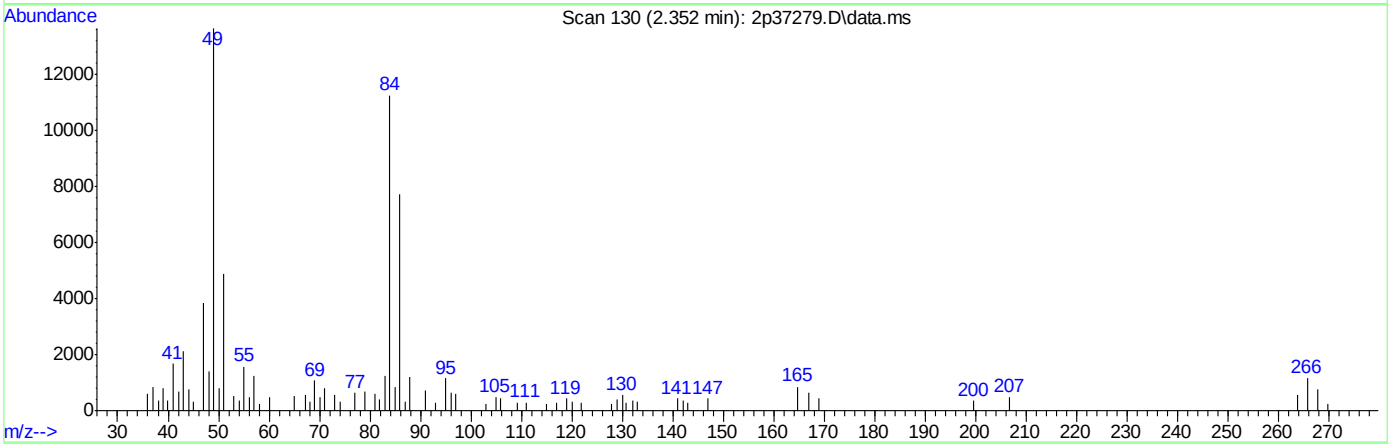
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
365.90	758	402.95	963	443.00	24199		
370.10	94	403.90	204	444.00	2307		
371.00	333	404.10	168				
372.00	1902	421.00	982				
372.80	238	421.90	331				
373.00	219	422.05	562				
382.95	593	423.00	6270				
384.10	100	424.00	1082				
389.90	133	439.70	86				
391.00	130	441.00	20190				
401.90	871	442.00	126011				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37279.D
Acq On : 5 Jun 2014 11:09 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1551
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 23:12:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37279.D\data.ms

(1) Pentacholorphenol

2.352min (-2.352) 0.00ppb

response 0

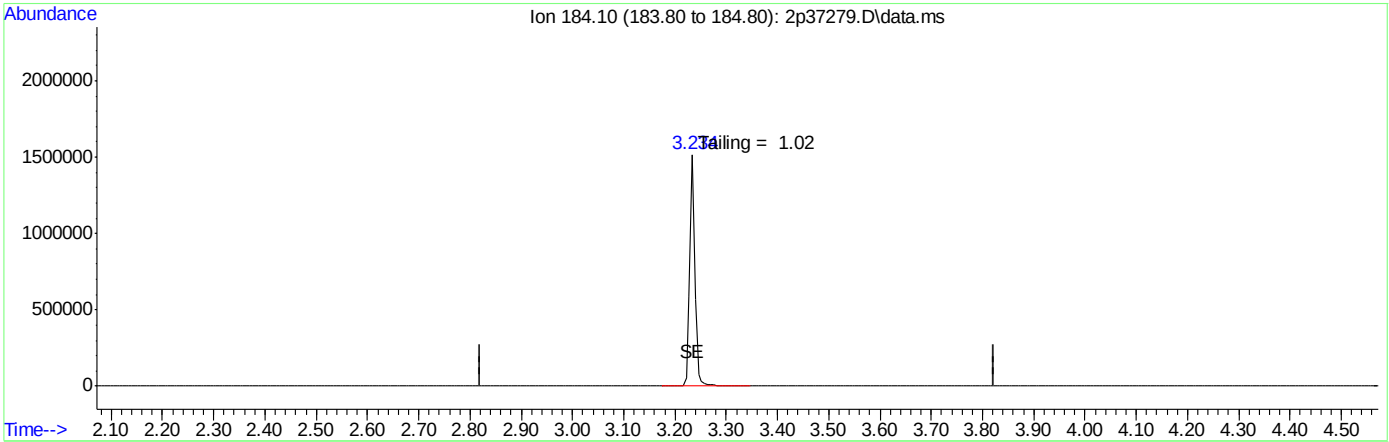
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

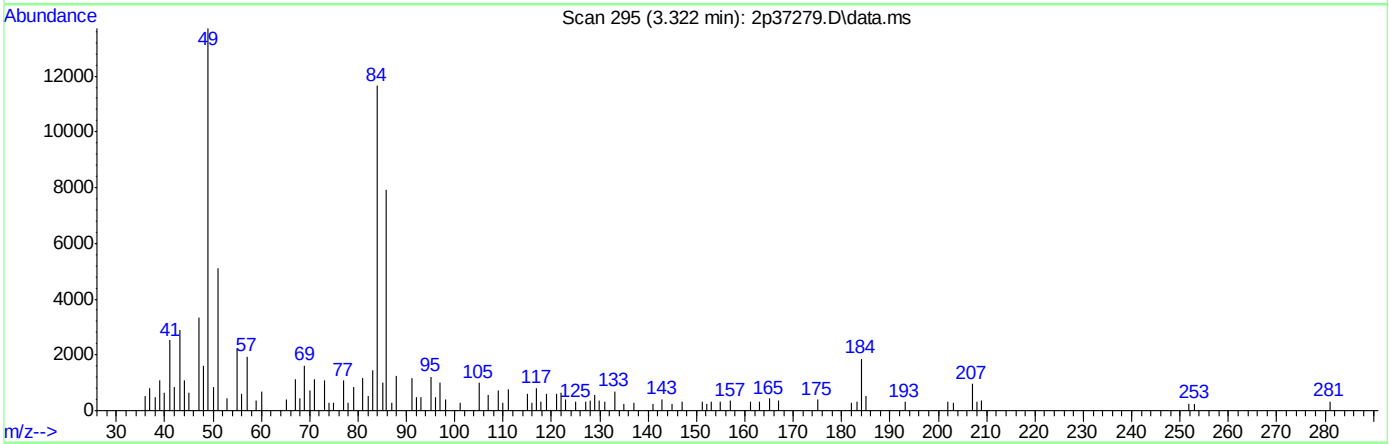
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37279.D
Acq On : 5 Jun 2014 11:09 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1551
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 23:12:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37279.D\data.ms

(2) Benzidine

3.322min (-3.322) 0.00ppb

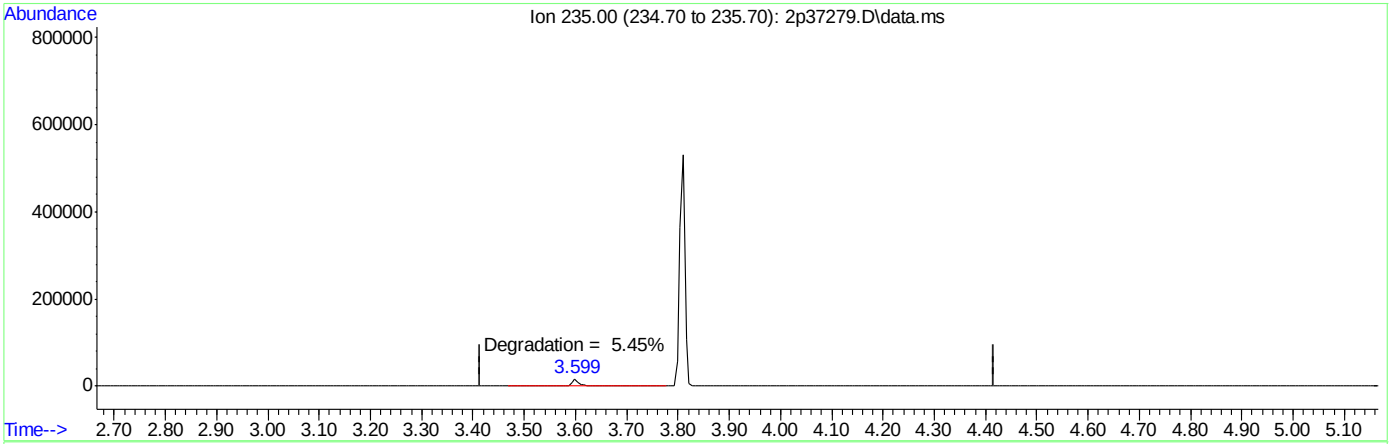
response 0

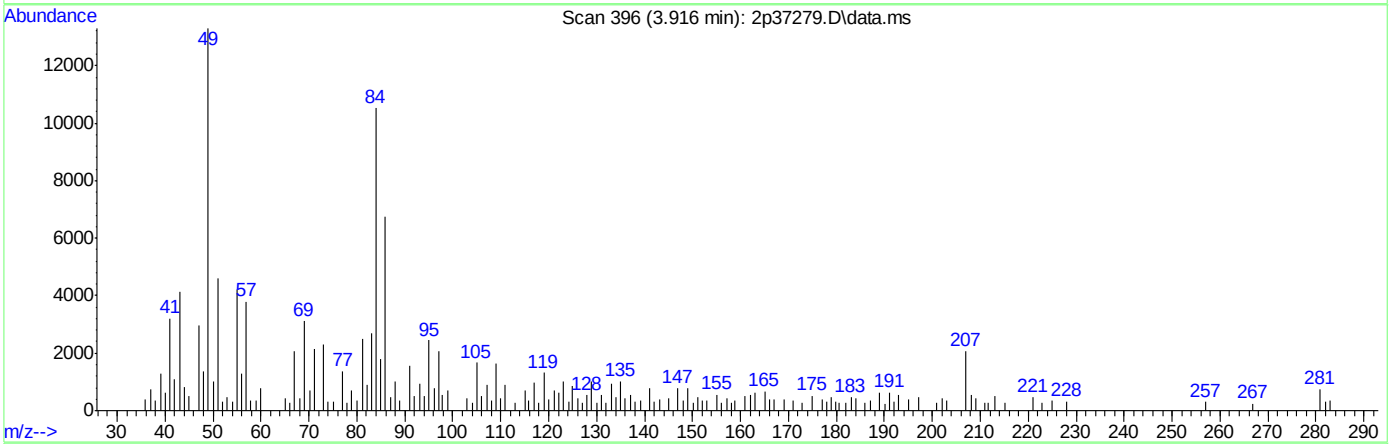
Ion	Exp%	Act%
184.10	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37279.D
Acq On : 5 Jun 2014 11:09 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75027,e2p1551
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 23:12:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37279.D\data.ms

(3) PP-DDT

3.916min (-3.916) 0.00ppb

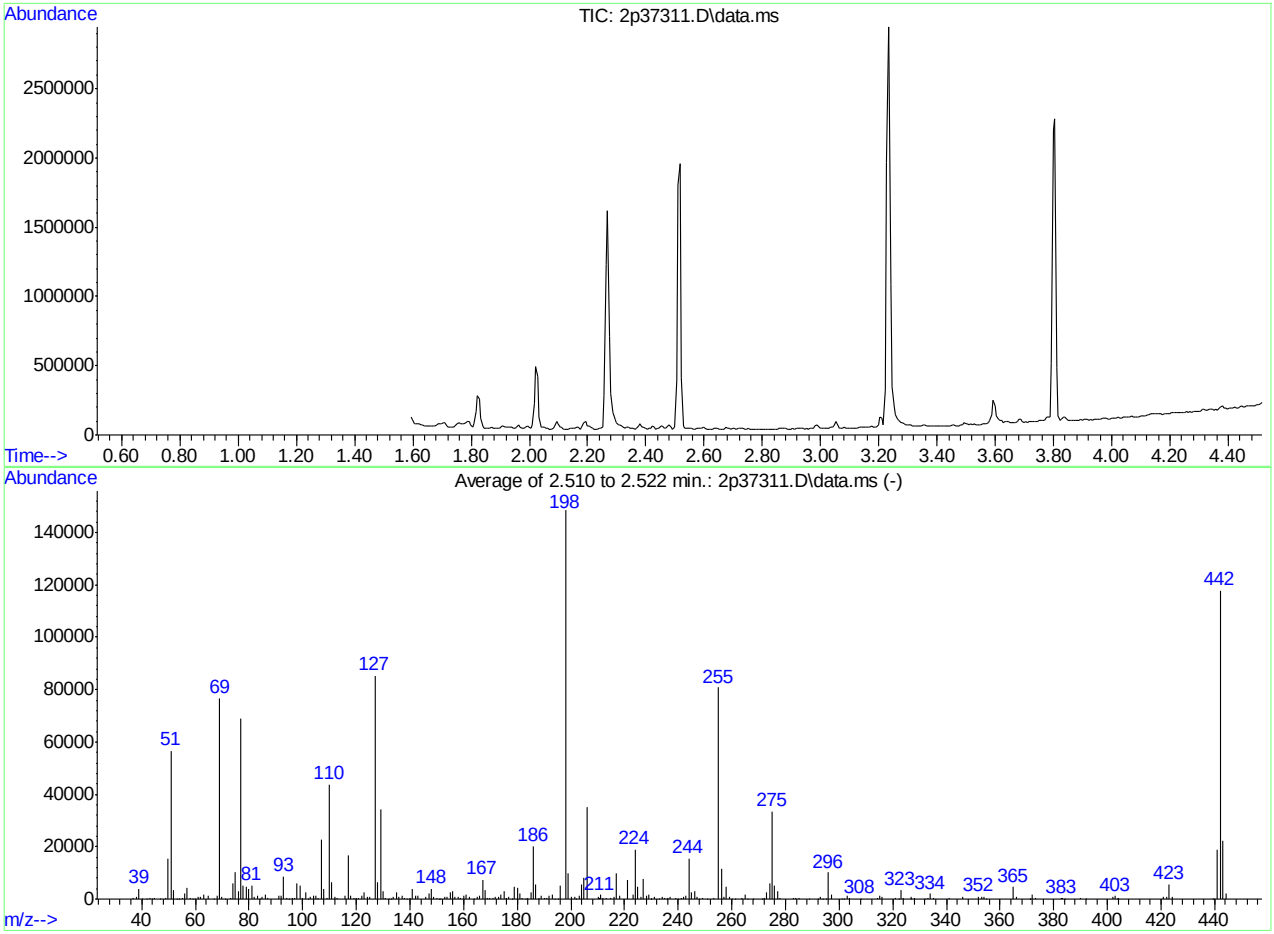
response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\2P1552\2p37311.D Vial: 1
Acq On : 6 Jun 2014 11:14 am Operator: andrews1
Sample : DFTPP Inst : MS2P
Misc : op75027,e2p1552 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M (ChemStation Integrator)
Title :



AutoFind: Scans 157, 158, 159; Background Corrected with Scan 152

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.2	56726	PASS
68	69	0.00	2	1.8	1361	PASS
69	198	0.00	100	51.7	76707	PASS
70	69	0.00	2	0.9	692	PASS
127	198	40	60	57.4	85229	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	148440	PASS
199	198	5	9	6.8	10029	PASS
275	198	10	30	22.6	33509	PASS
365	198	1	100	3.1	4632	PASS
441	443	0.01	100	84.1	18814	PASS
442	198	40	100	79.4	117821	PASS
443	442	17	23	19.0	22381	PASS

2p37311.D DFTPP2P.M Mon Jun 09 08:42:18 2014 RPT1

Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	506	51.00	56726	62.00	826	76.00	2906
38.00	781	52.05	3342	62.95	1918	77.00	69076
39.00	3982	52.90	129	65.00	1120	77.95	5118
39.95	183	53.90	106	67.00	194	79.00	4717
42.00	70	55.00	239	68.05	1361	80.00	4071
43.00	234	56.00	2029	69.00	76707	81.00	5256
44.05	52	57.00	4276	70.00	692	81.95	997
44.95	409	58.00	260	71.00	221	83.00	1148
46.95	5	59.00	86	73.00	378	83.90	99
49.00	582	59.90	116	74.00	5892	84.95	970
49.95	15582	61.00	1079	75.00	10230	85.95	1537

Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	624	100.95	2672	111.95	832	124.95	998
91.00	1120	102.10	93	112.95	341	127.00	85229
92.05	1335	102.95	737	115.95	1117	128.00	6472
93.00	8596	104.00	1305	117.00	16876	129.00	34225
93.90	242	105.00	1471	118.00	1311	130.00	2944
95.00	113	105.95	291	119.00	273	131.00	291
96.05	463	106.95	22842	119.95	492	132.05	229
97.00	296	108.00	3794	120.90	398	132.95	211
98.00	6205	109.05	404	121.95	1422	133.95	1027
99.00	5149	110.00	43724	122.90	2468	135.00	2462
99.95	638	110.95	6352	123.95	1055	135.95	941

Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.00	1301	149.95	408	161.00	1885	173.00	935
138.05	333	151.00	186	162.00	675	174.00	1692
138.95	41	151.50	219	163.90	151	175.00	3146
140.00	588	153.00	953	164.95	749	176.00	606
141.00	3814	154.00	950	166.00	1161	176.95	875
142.00	1118	155.00	2439	167.00	7303	178.20	132
142.95	1143	156.00	3210	167.95	3515	178.95	4535
146.00	830	156.90	910	169.00	527	180.00	4148
147.00	2107	157.95	835	169.85	405	181.00	2066
148.00	4079	159.00	551	170.90	533	182.00	329
149.00	1075	159.95	1290	171.90	701	183.05	226

Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
183.90	632	195.00	132	210.10	714	224.00	19062
185.00	2515	196.00	5234	210.50	445	225.00	4854
186.00	20337	198.00	148440	211.00	1521	226.00	752
187.00	5551	198.95	10029	211.85	427	227.00	7862
188.00	570	200.05	922	213.10	237	228.00	1326
188.95	1216	201.40	954	214.95	491	228.95	1868
190.00	376	202.00	122	216.05	661	229.80	156
191.00	314	203.00	1092	217.00	9687	230.00	114
191.95	1469	204.00	5493	217.95	1176	231.00	694
192.95	1931	204.95	8255	221.00	7451	232.95	201
194.05	217	206.00	35272	223.00	1788	233.90	718

Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
234.95	492	246.00	2984	259.80	85	276.00	4973
235.80	124	247.00	749	261.10	122	276.95	3043
236.00	274	247.95	188	263.90	288	277.90	432
236.95	796	248.95	655	265.00	1827	283.05	359

238.90	301	250.80	100	266.00	217	283.95	294
240.00	206	253.05	388	267.80	89	285.05	555
241.00	487	255.00	80757	271.05	214	288.90	85
242.05	979	256.00	11440	271.95	323	292.00	123
243.00	1153	257.00	1039	273.00	2693	293.00	842
244.00	15596	258.00	4565	274.00	6129	293.80	88
245.00	2384	259.00	780	275.00	33509	294.90	154

Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
296.00	10231	322.00	162	345.85	870	382.85	281
297.00	1520	323.00	3468	352.00	1087	383.10	259
301.00	146	324.00	549	353.05	848	384.00	128
301.90	152	326.60	87	354.00	1077	389.95	251
303.00	1258	326.95	844	354.90	110	392.00	200
303.95	305	328.00	256	364.95	4632	401.95	797
308.00	223	332.00	94	365.90	758	402.95	1197
314.15	360	333.05	376	371.00	84	403.80	123
315.00	1248	334.00	1961	371.20	140	404.10	260
316.00	683	335.05	435	372.00	1779	421.00	1067
320.95	307	341.05	352	373.05	250	422.00	855

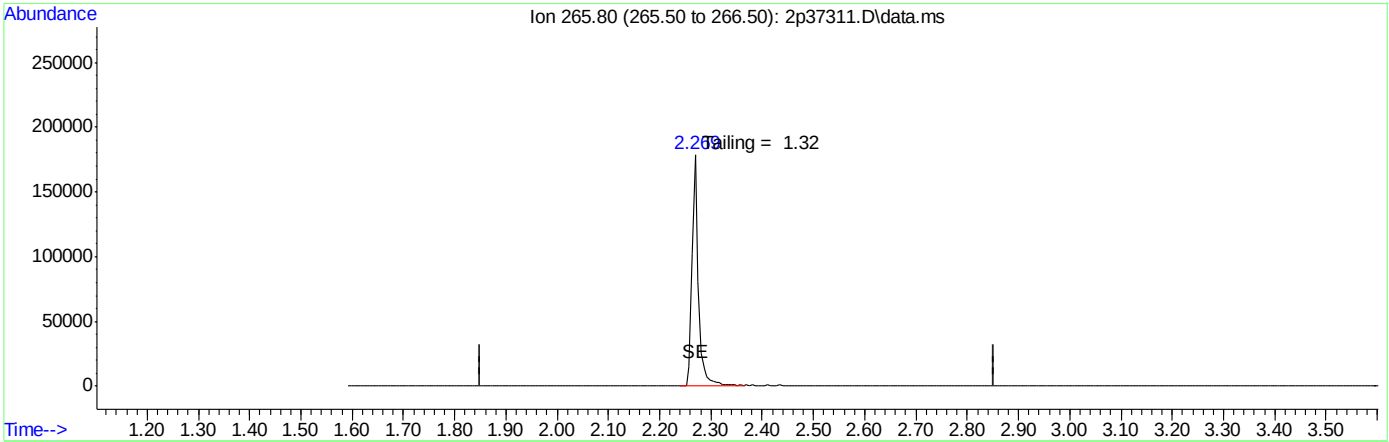
Average of 2.510 to 2.522 min.: 2p37311.D\data.ms
DFTPP
Modified:subtracted

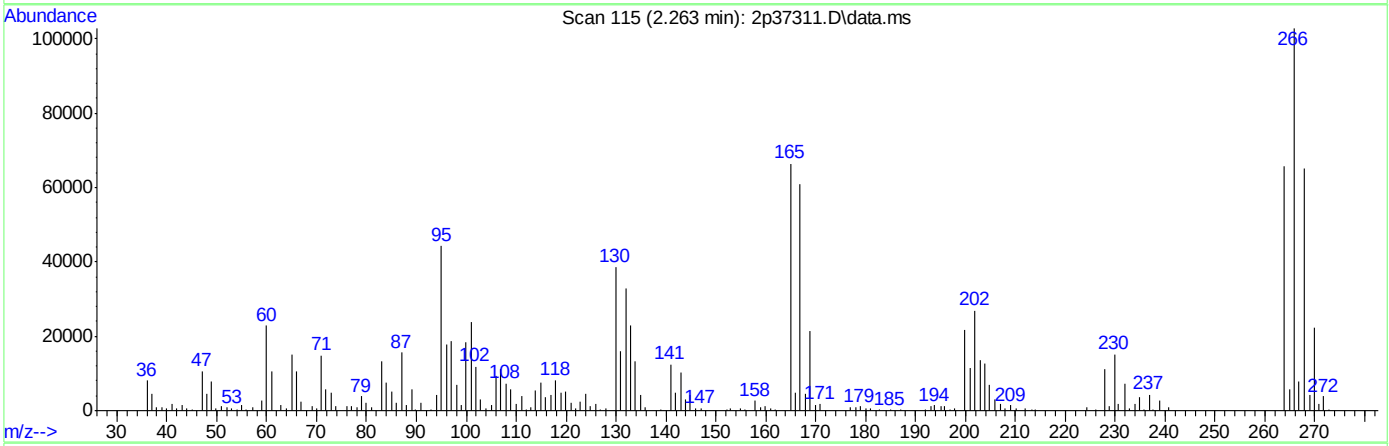
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.00	5772						
423.95	1078						
439.20	87						
439.50	114						
441.00	18814						
442.00	117821						
443.00	22381						
444.05	2272						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37311.D
Acq On : 6 Jun 2014 11:14 am
Operator : andrews1
Sample : DFTPP
Misc : op75027,e2p1552
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 11:17:17:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37311.D\data.ms

(1) Pentacholorphenol

2.352min (-2.352) 0.00ppb

response 0

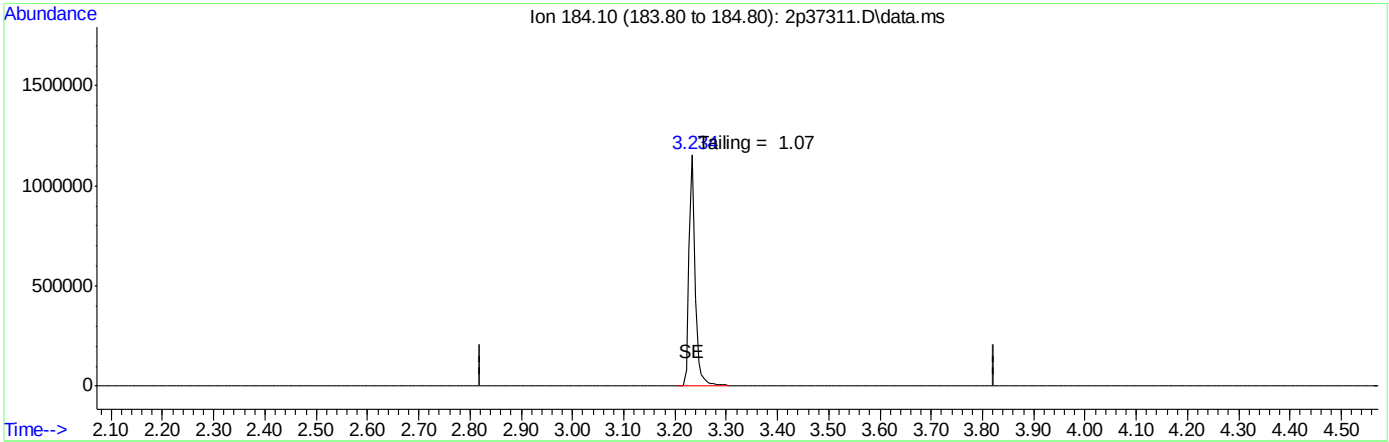
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

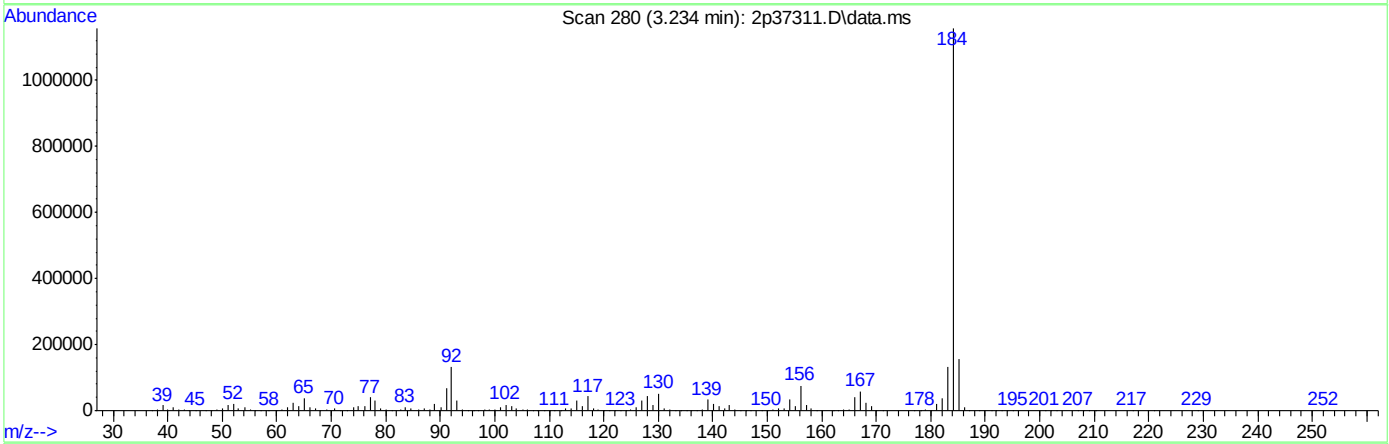
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37311.D
Acq On : 6 Jun 2014 11:14 am
Operator : andrews1
Sample : DFTPP
Misc : op75027,e2p1552
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 11:17:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37311.D\data.ms

(2) Benzidine

3.322min (-3.322) 0.00ppb

response 0

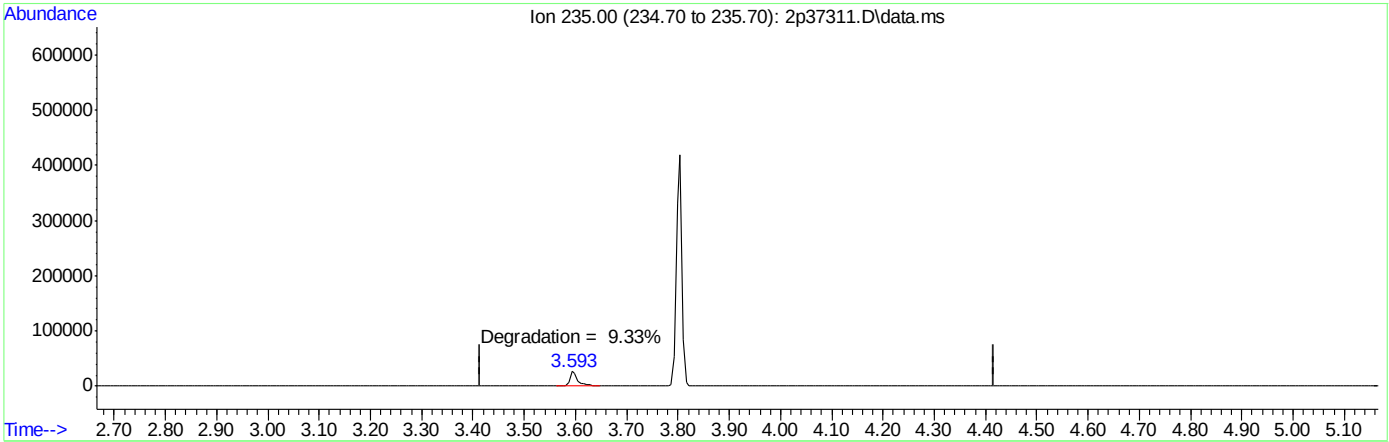
Ion	Exp%	Act%
184.10	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

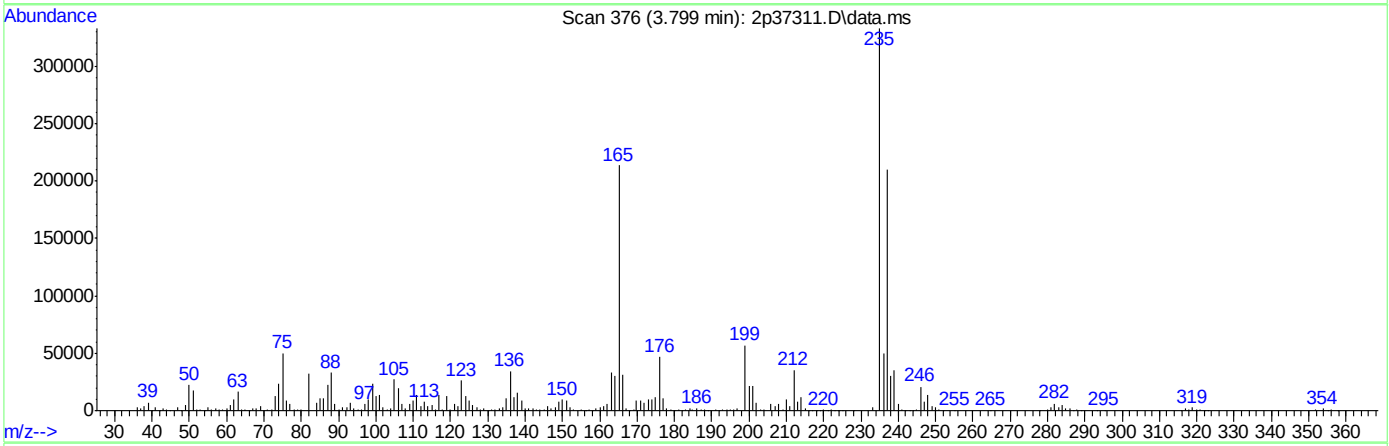
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37311.D
Acq On : 6 Jun 2014 11:14 am
Operator : andrews1
Sample : DFTPP
Misc : op75027,e2p1552
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 11:17:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2P.M
Quant Title :
QLast Update : Thu May 29 09:05:38 2014
Response via : Initial Calibration





TIC: 2p37311.D\data.ms

(3) PP-DDT

3.916min (-3.916) 0.00ppb

response 0

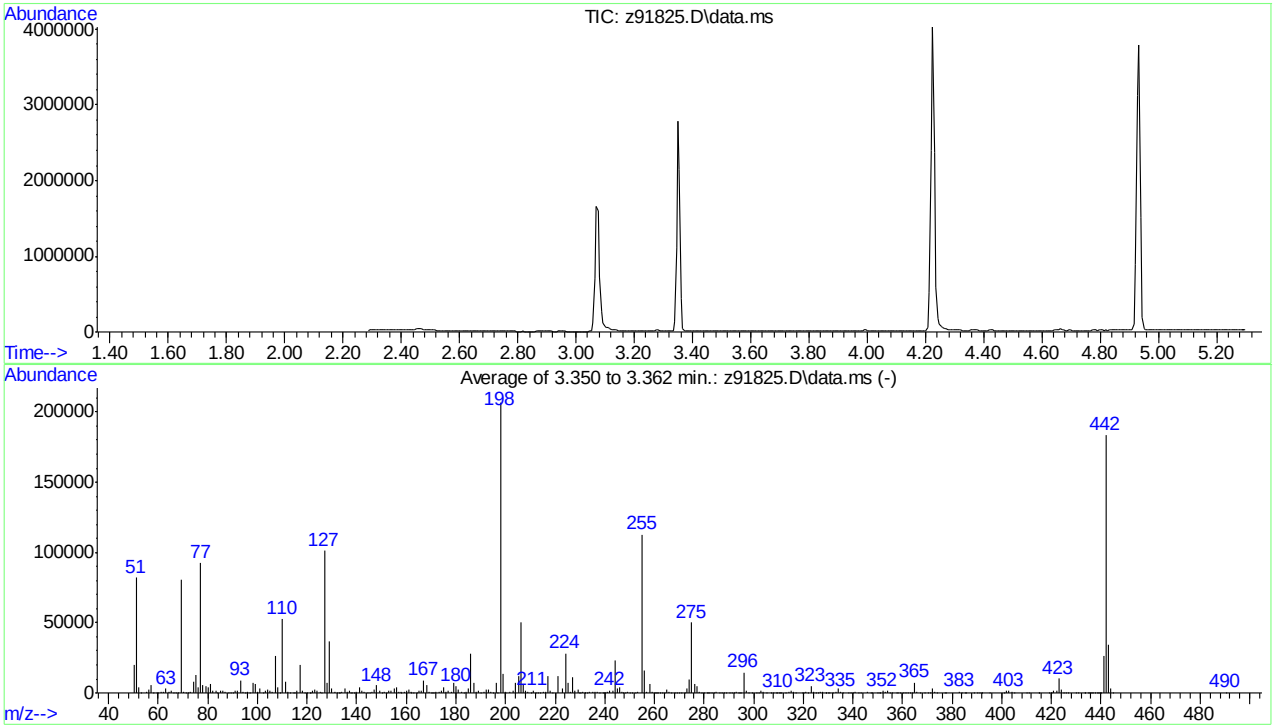
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data 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

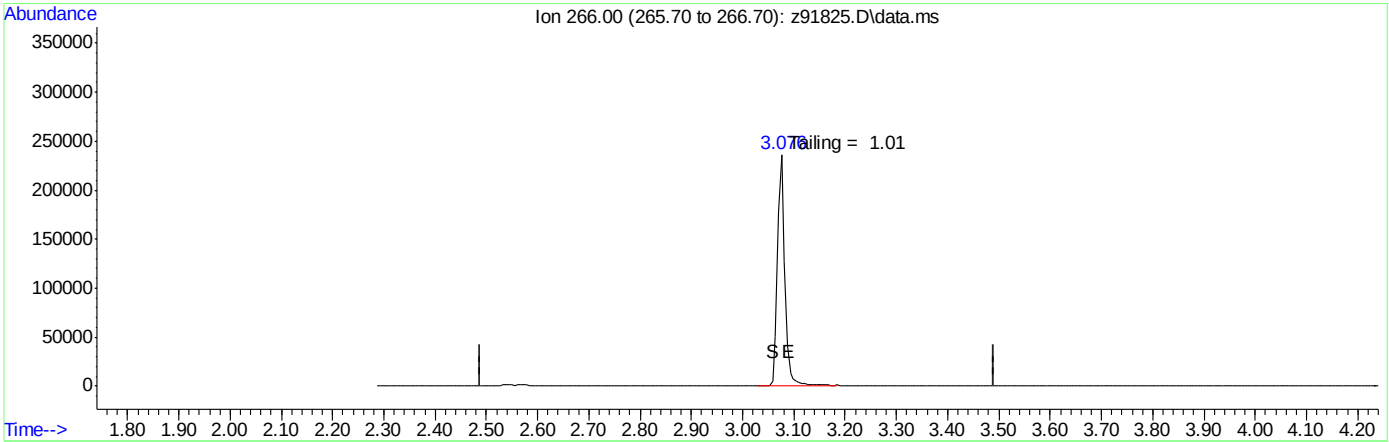
Average of 3.350 to 3.362 min.: z91825.D\data.ms
DFTPP
Modified:subtracted

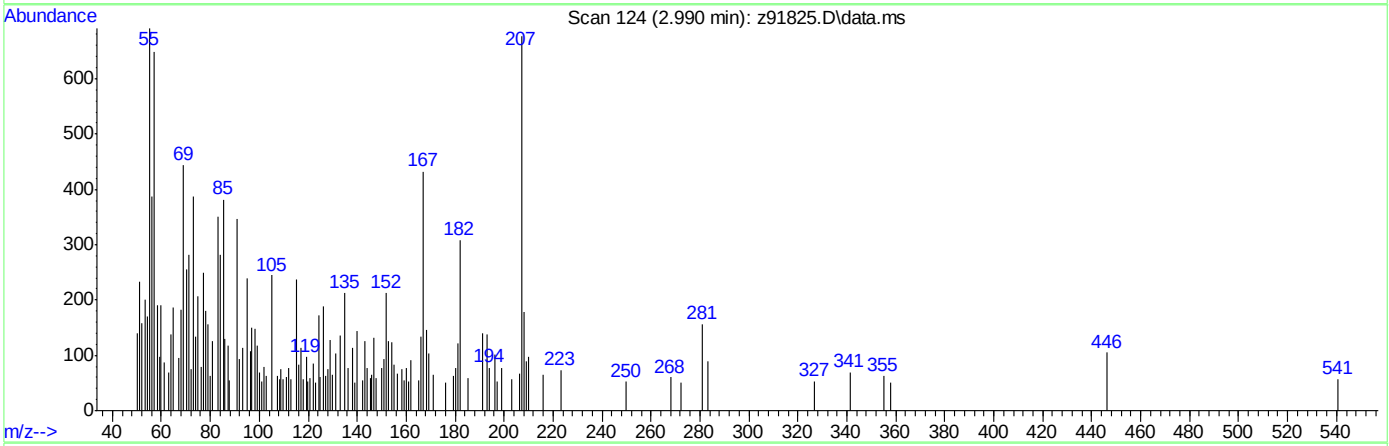
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.90	23	433.40	21	439.80	46		
420.10	27	433.60	22	440.00	75		
421.00	1445	434.90	22	441.05	26182		
422.05	1357	435.45	49	442.10	183933		
423.05	10226	435.90	70	443.10	34432		
424.00	2224	436.30	39	444.00	2922		
425.10	177	436.80	34	444.95	232		
426.00	26	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

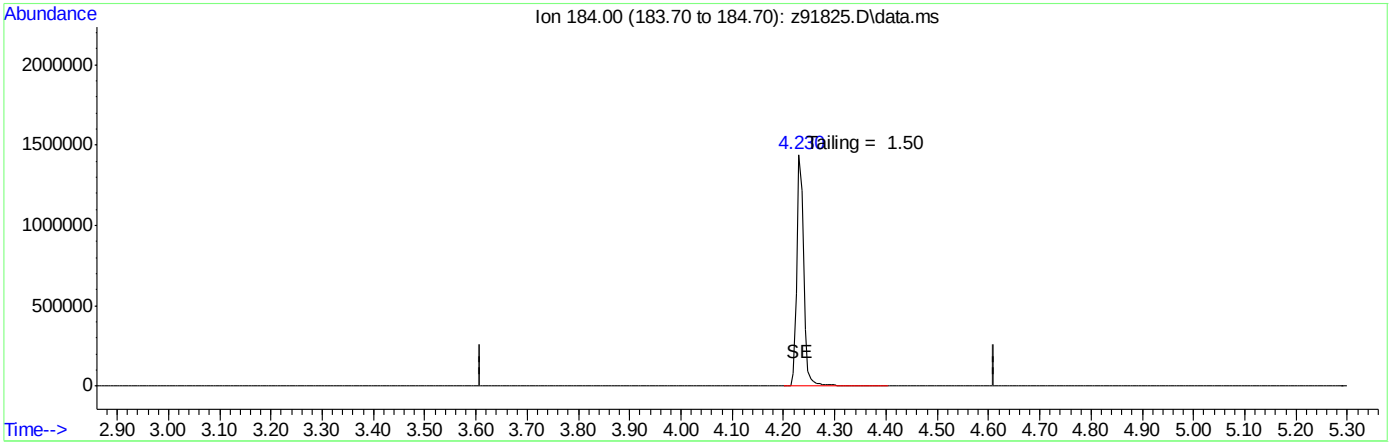
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

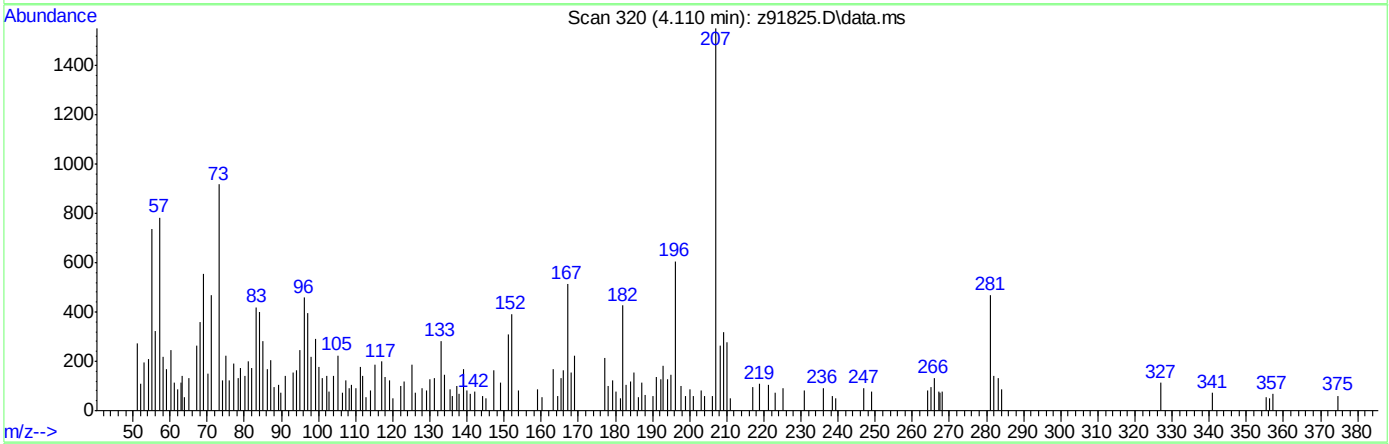
ACCUTEST LABORATORIES JB67976

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

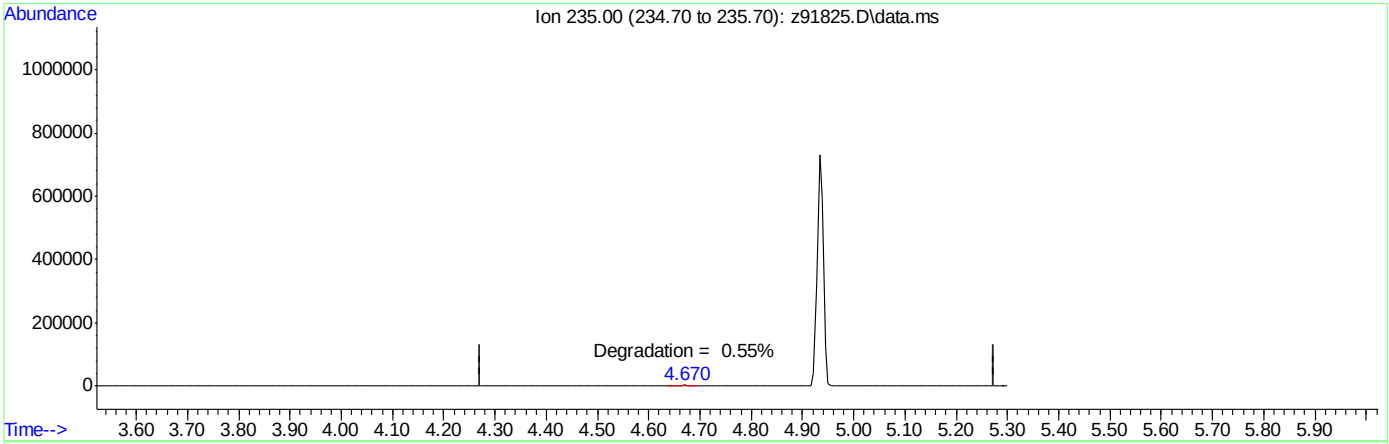
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

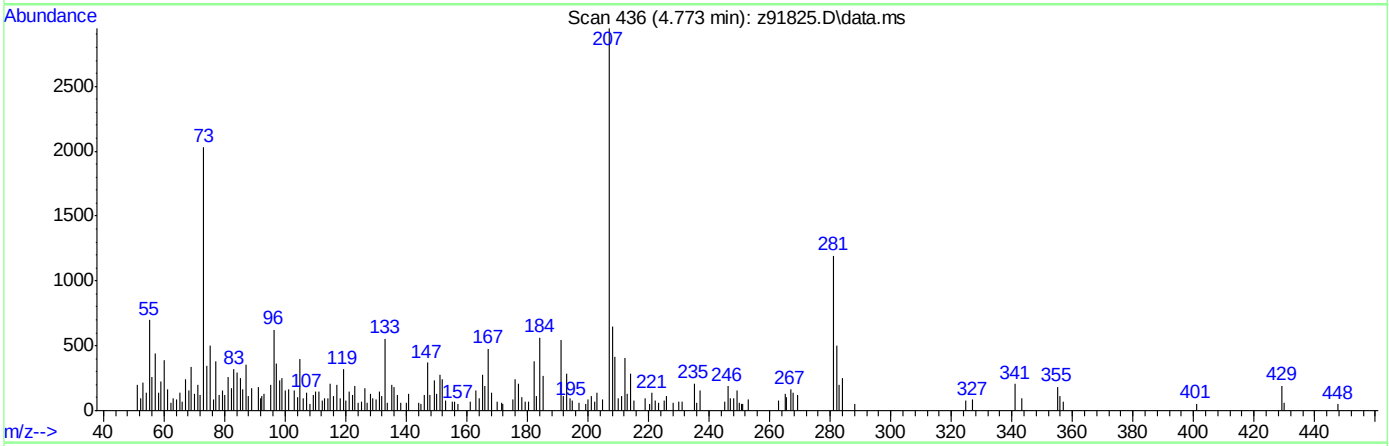
ACCUTEST LABORATORIES JB67976

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

9.5.6.3

9

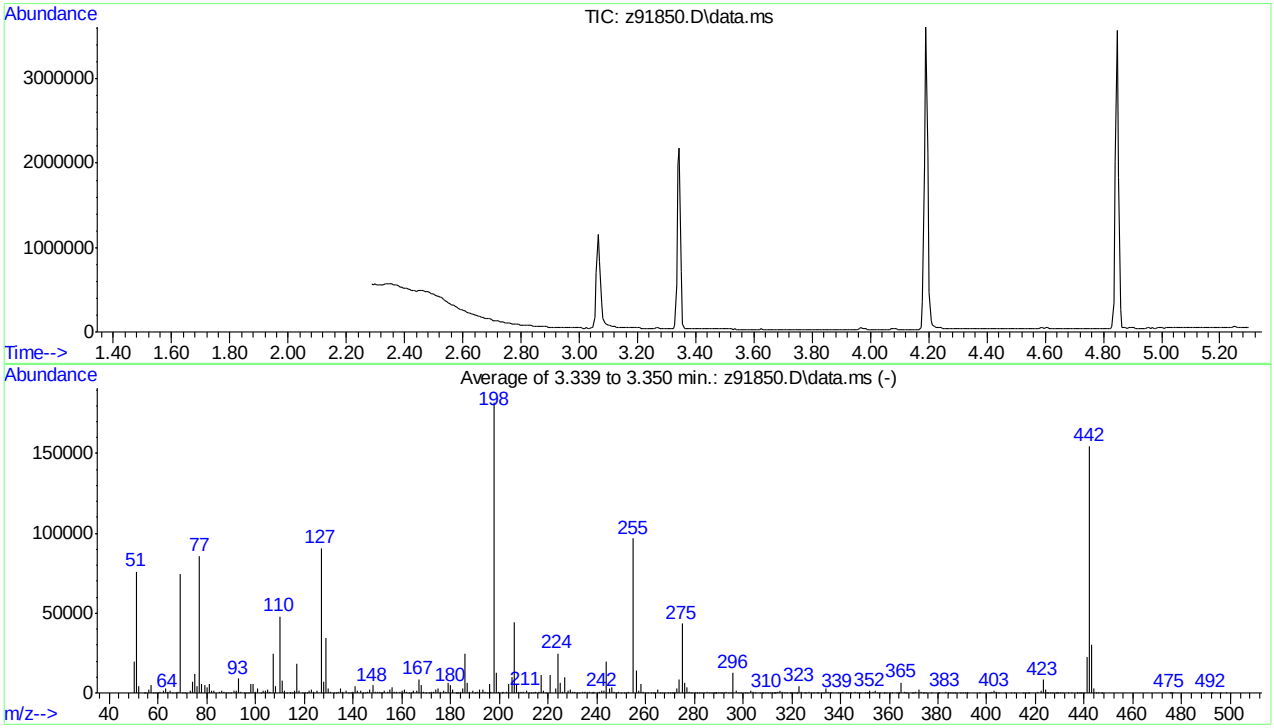
ACCUTEST LABORATORIES JB67976

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

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		

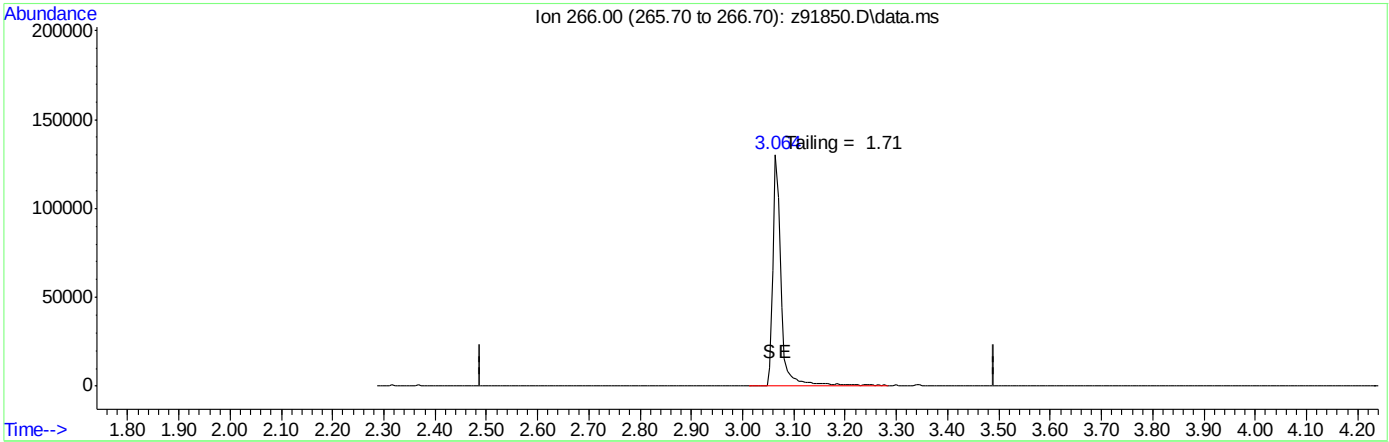
DFTPPZ.M Wed May 28 12:59:49 2014 RTE

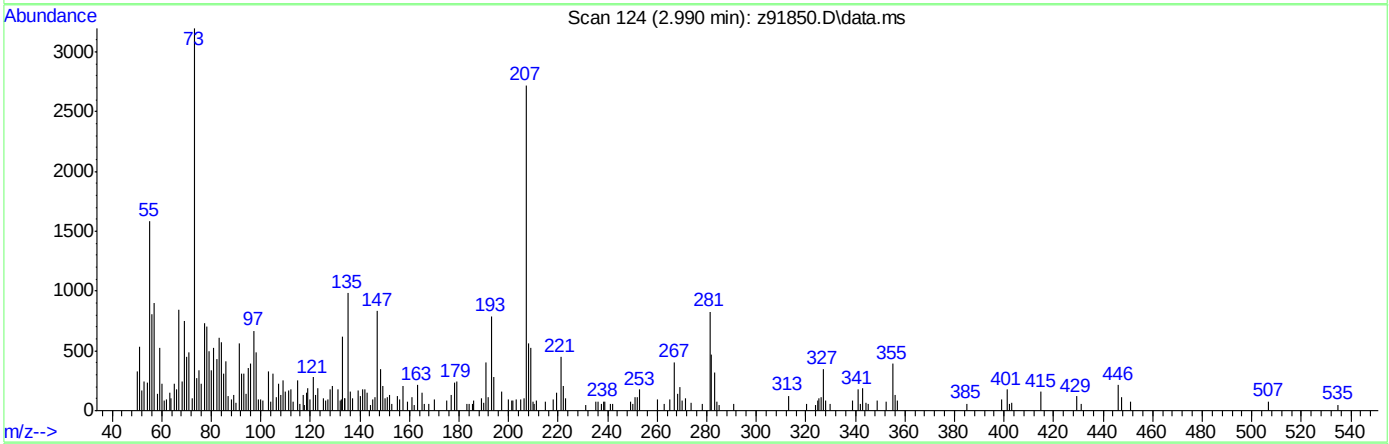
ACCUTEST LABORATORIES
JB67976

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

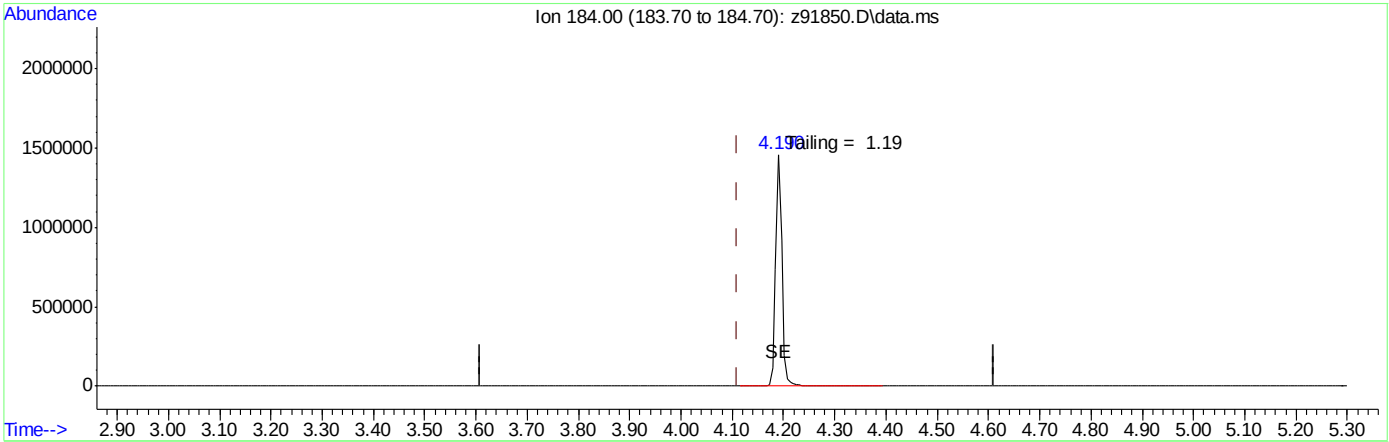
Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

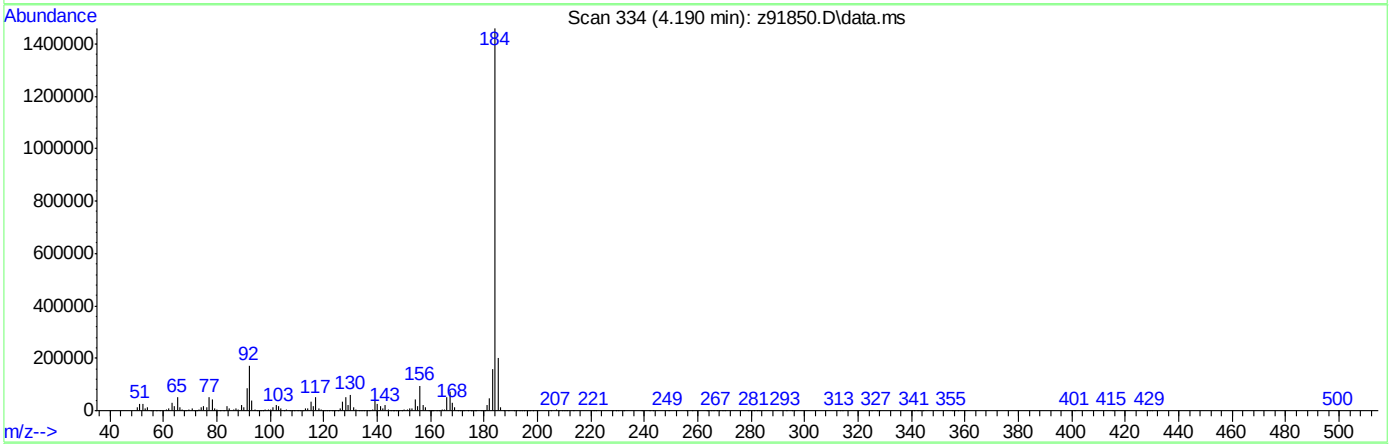
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91850.D
Acq On : 27 May 2014 11:17 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4571
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 11:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91850.D\data.ms

(2) Benzidine

4.193min (+0.083) 199.44

response 12115007

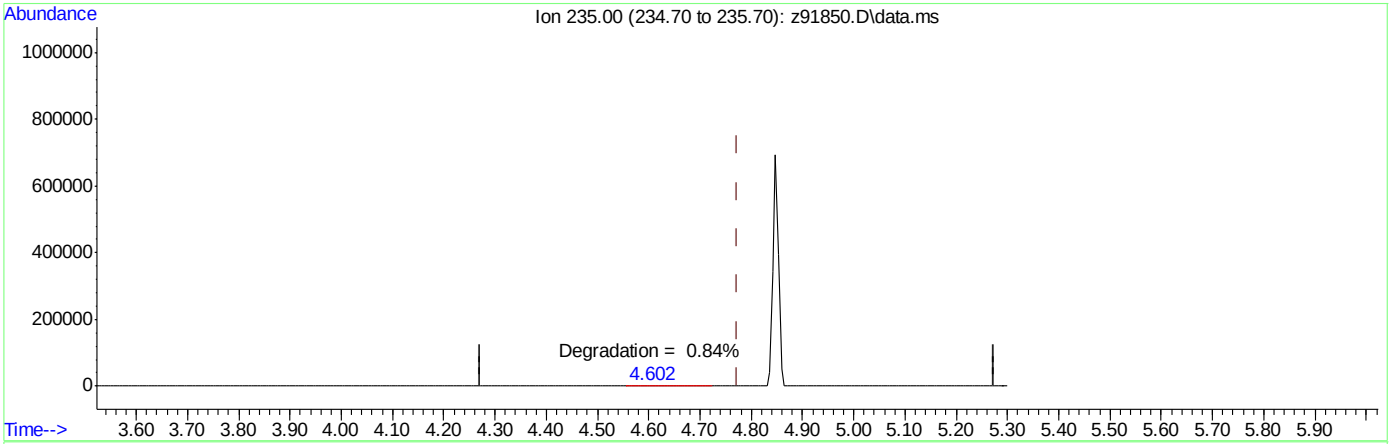
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

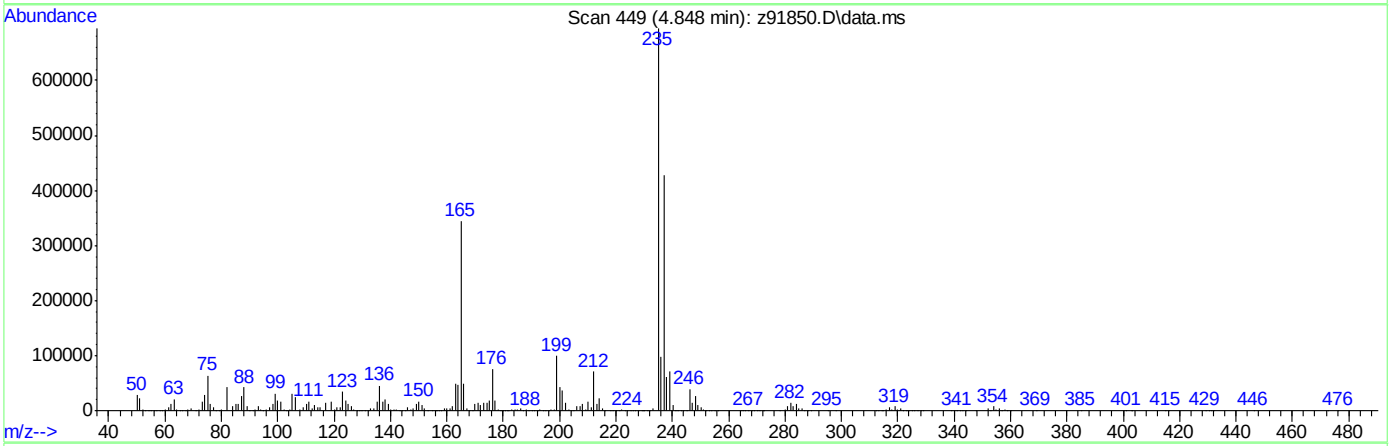
ACCUTEST LABORATORIES JB67976

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

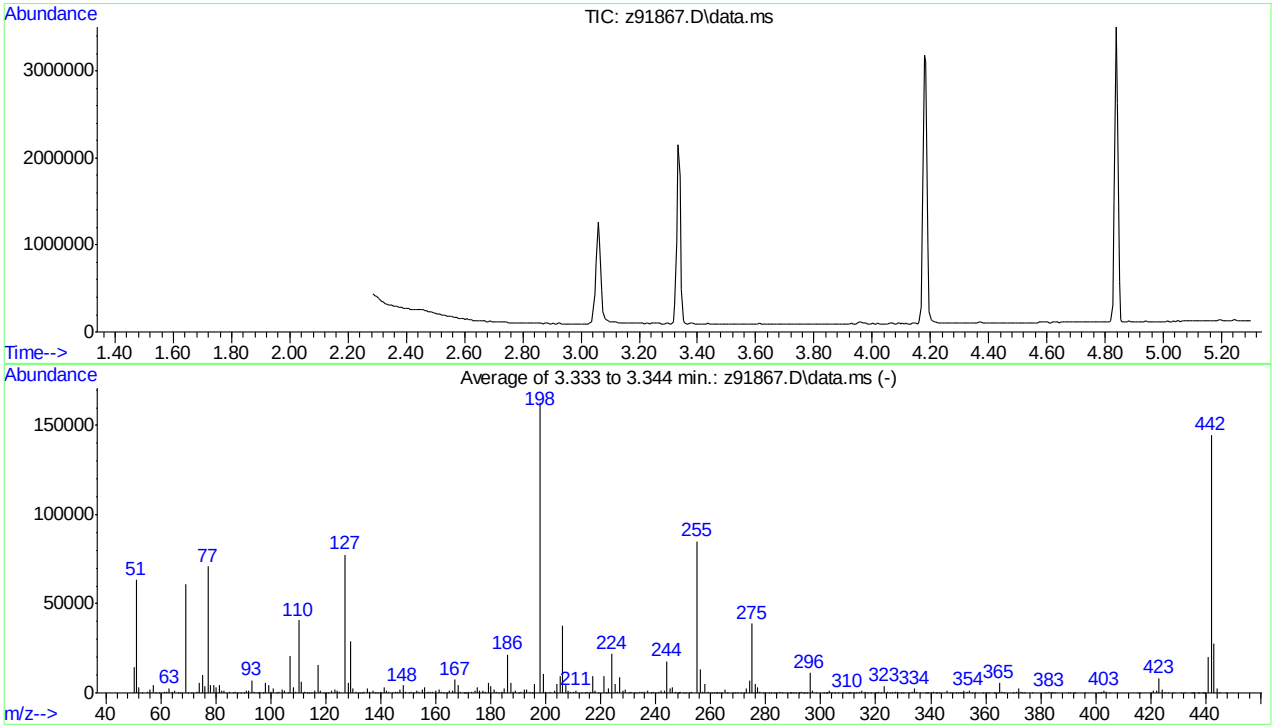
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

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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

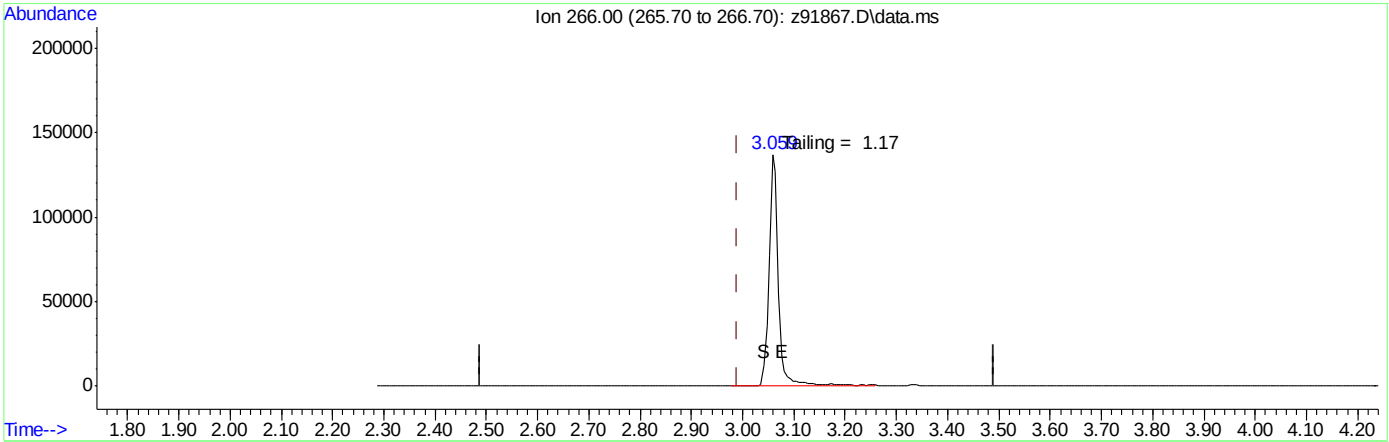
Average of 3.333 to 3.344 min.: z91867.D\data.ms
DFTPP
Modified:subtracted

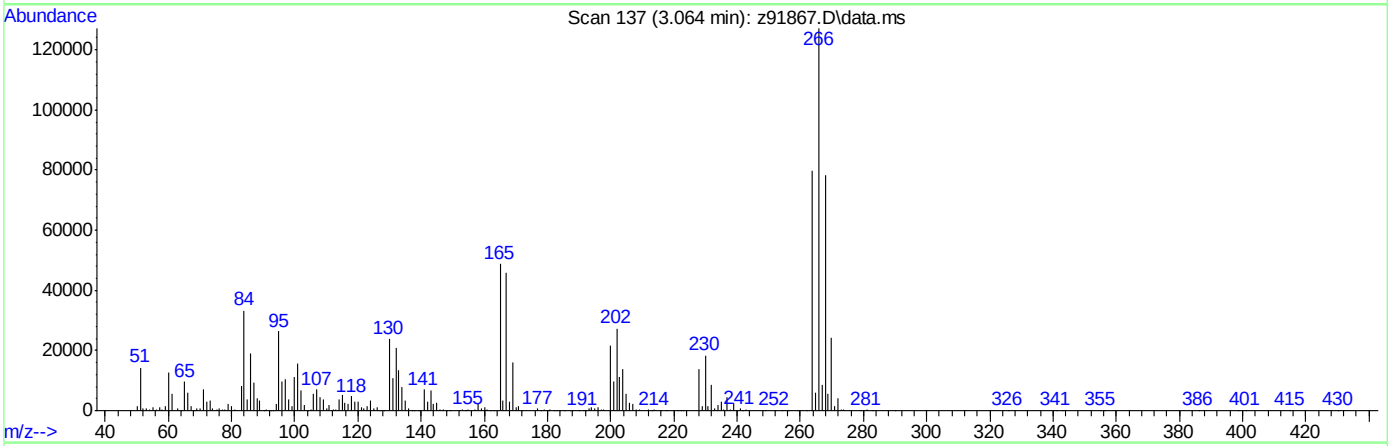
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	19870						
442.05	144794						
443.05	27528						
444.05	2356						
444.95	151						
447.30	20						

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

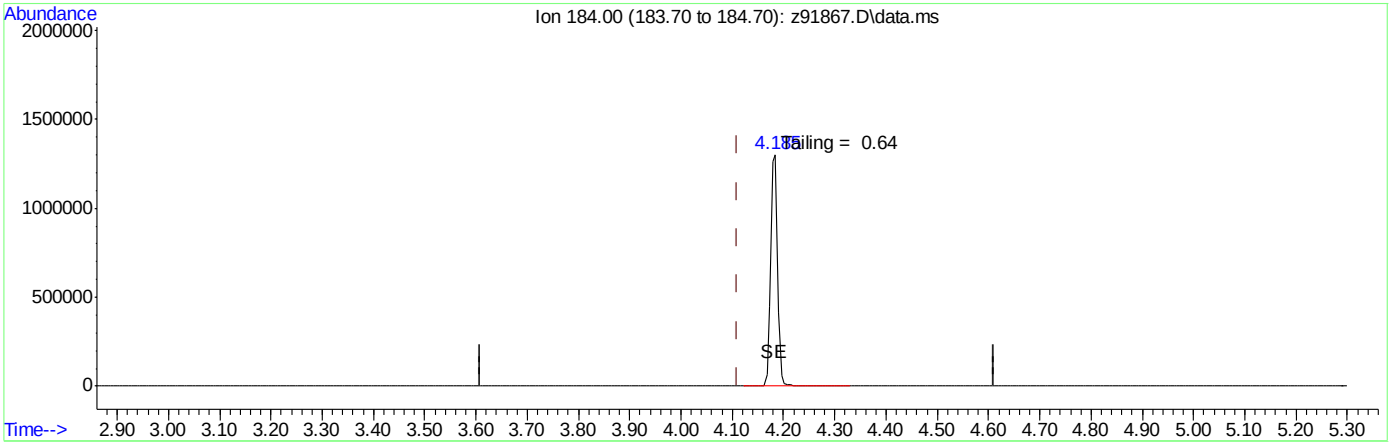
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

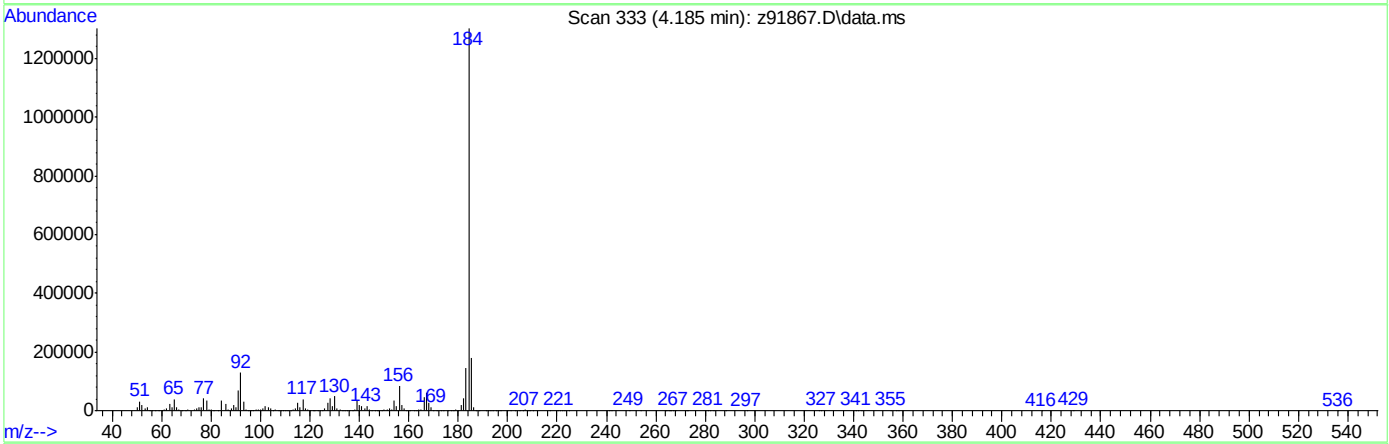
ACCUTEST LABORATORIES JB67976

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

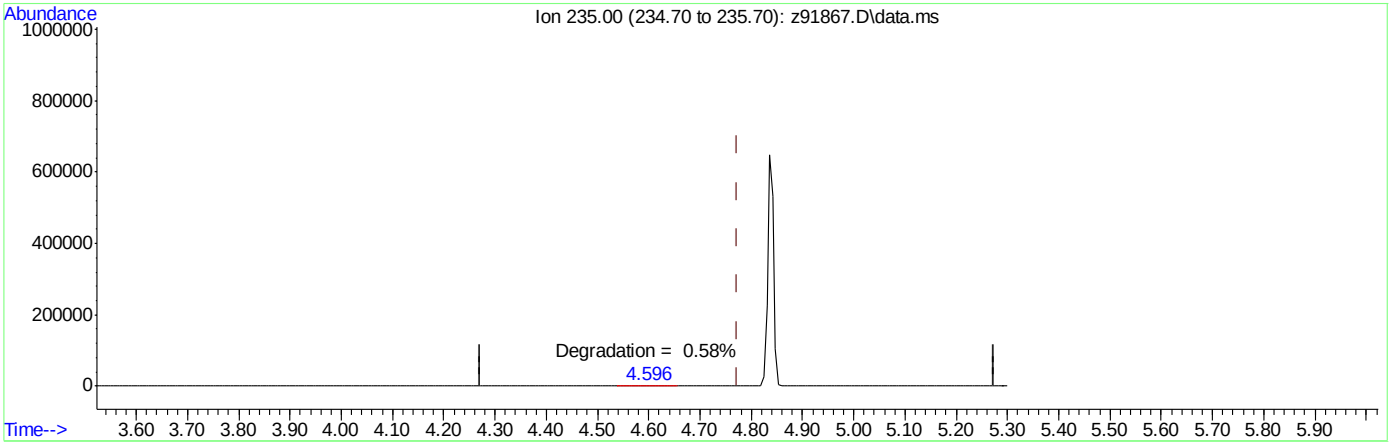
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

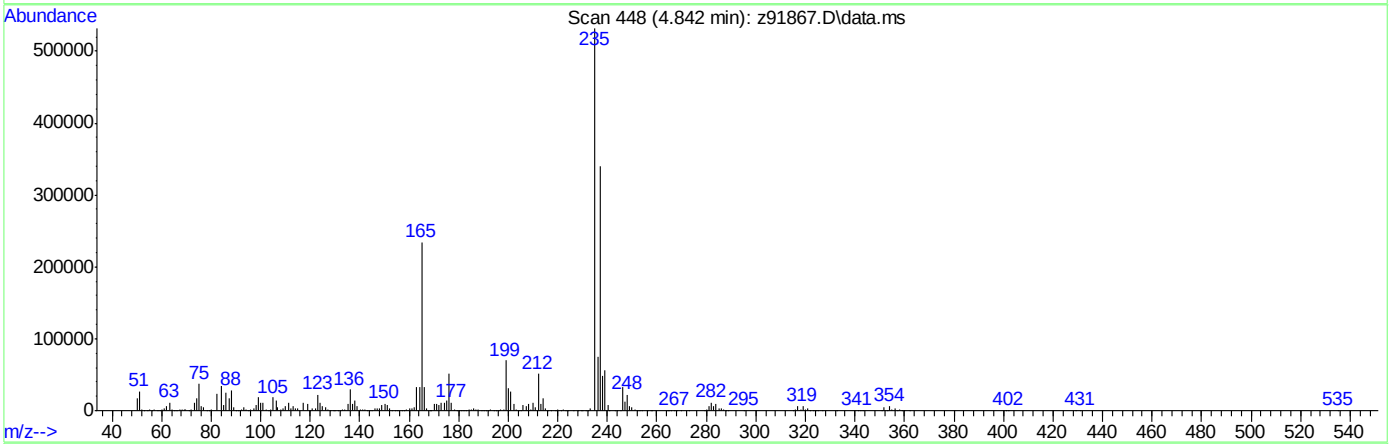
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4572\
Data File : z91867.D
Acq On : 27 May 2014 8:53 pm
Operator : ashleyd
Sample : DFTPP
Misc : op73791,ez4572
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 27 20:58:26 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Sun Feb 23 14:24:12 2014
Response via : Initial Calibration





TIC: z91867.D\data.ms

(3) PP-DDT

4.840min (+0.067) 212.20

response 5304059

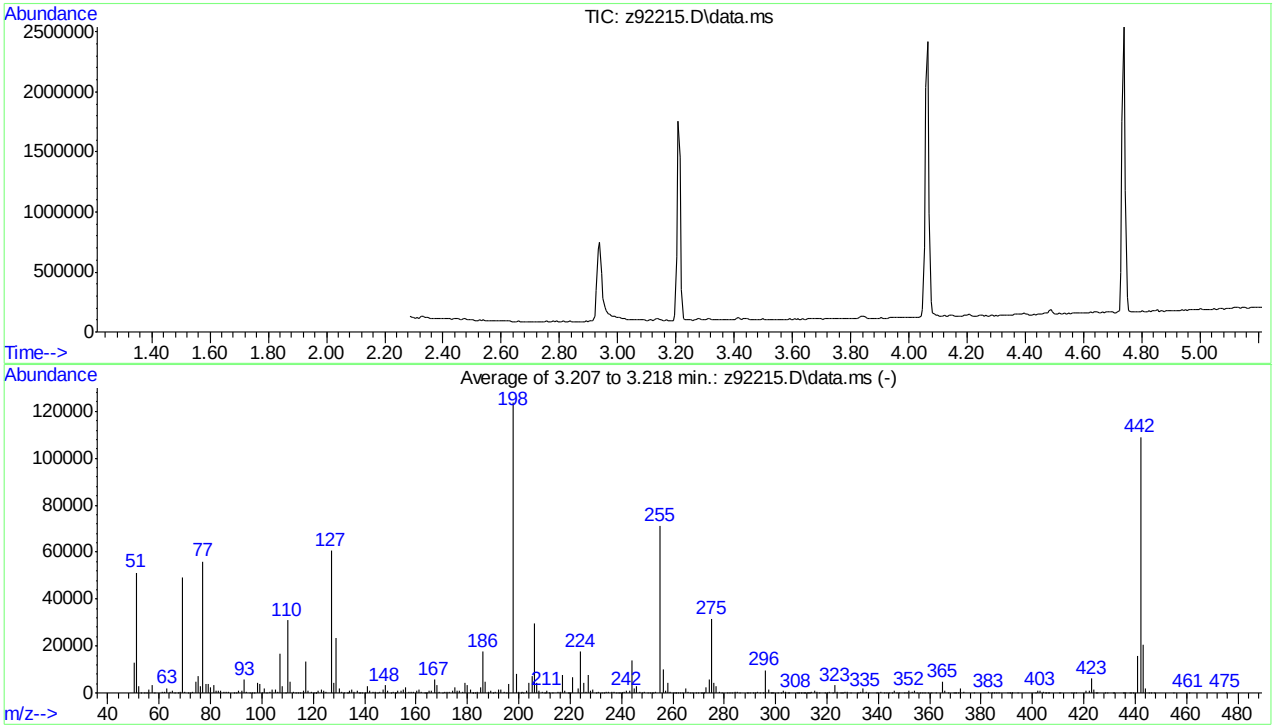
Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92215.D
Acq On : 6 Jun 2014 9:59 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4586
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 162, 163, 164; Background Corrected with Scan 157

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.5	51299	PASS
68	69	0.00	2	0.6	321	PASS
69	198	0.00	100	39.9	49423	PASS
70	69	0.00	2	1.0	517	PASS
127	198	40	60	48.9	60571	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	123741	PASS
199	198	5	9	6.6	8167	PASS
275	198	10	30	25.3	31331	PASS
365	198	1	100	3.7	4578	PASS
441	443	0.01	100	76.6	15789	PASS
442	198	40	100	88.2	109106	PASS
443	442	17	23	18.9	20606	PASS

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	12817	63.10	2031	74.10	5016	85.10	516
51.10	51299	64.10	338	75.10	7389	86.00	554
52.10	2859	65.10	967	76.10	2812	87.10	503
53.10	65	66.10	142	77.10	56044	89.05	241
54.15	141	67.10	82	78.10	4044	89.85	55
55.10	157	68.05	321	79.10	3893	91.00	752
56.10	1614	69.10	49423	80.10	2511	92.10	1009
57.10	3378	70.10	517	81.10	3559	93.10	5596
58.00	204	71.15	104	82.10	1023	94.10	415
61.10	554	72.05	3	83.10	741	95.10	230
62.10	709	73.10	443	84.00	1037	96.10	208

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	62	108.05	2649	119.05	324	130.05	1790
98.10	4409	109.05	39	120.10	191	131.05	430
99.10	3863	110.05	30889	121.00	91	132.10	226
100.10	237	111.10	4687	121.15	59	133.00	62
101.10	2095	112.10	523	122.00	966	133.80	32
102.00	158	113.10	143	123.05	1669	134.00	754
103.05	616	114.05	166	124.10	777	135.05	1621
104.05	1330	115.05	194	125.05	610	136.00	613
105.15	1282	116.00	878	127.10	60571	137.10	1068
106.10	444	117.10	13344	128.05	4177	138.00	122
107.05	16582	118.10	1022	129.05	23588	138.20	58

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.00	158	150.05	235	160.10	996	170.10	165
140.05	221	151.10	373	161.05	1520	171.05	294
141.05	2956	151.80	191	162.10	358	172.05	611
142.05	835	152.10	149	163.15	129	173.10	731
143.05	700	153.00	755	163.60	29	174.05	1121
144.10	284	154.10	892	164.05	74	175.10	2301
145.10	155	155.10	1399	164.95	1185	176.05	815
146.05	517	156.10	2468	166.10	823	177.00	1178
147.05	1669	157.05	508	167.05	5685	177.95	386
148.05	3254	158.05	515	168.10	3236	178.95	4407
149.05	815	159.00	585	169.00	442	180.10	3389

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
181.10	1450	191.00	480	201.70	234	211.90	120
182.00	94	192.10	1426	203.05	1060	213.10	44
182.20	223	193.05	1254	204.10	4387	215.05	489
182.95	226	194.10	570	205.10	7239	216.10	550
184.05	413	195.05	73	206.10	29820	217.00	7578
185.10	2402	196.10	3978	207.10	4294	218.00	971
186.10	17505	198.00	123741	208.00	1079	219.05	82
187.10	4619	199.00	8167	209.05	285	219.70	77
188.00	579	200.00	671	210.10	179	220.20	38
189.10	1136	201.05	113	210.30	54	221.10	6501
190.00	235	201.45	430	211.10	1165	223.10	1873

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.10	17485	235.00	630	244.10	13703	255.10	71138
225.10	4349	236.10	406	245.10	1802	256.10	10163
226.10	372	237.05	686	246.00	2798	257.10	836
227.00	7520	238.05	142	247.00	585	258.00	4277

DFTPPZ.M Fri Jun 06 13:53:40 2014 RTE

228.00	1089	238.95	157	248.05	168	259.05	617
229.00	1469	239.20	108	249.00	431	260.05	60
229.90	207	240.10	182	250.15	145	260.90	63
231.05	558	240.30	19	251.00	152	261.15	145
232.10	55	241.00	412	252.10	183	262.10	32
232.95	169	242.05	988	252.25	63	262.70	29
234.00	345	243.05	860	253.05	361	263.85	96

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
265.05	1857	274.05	5594	286.00	100	298.00	130
265.85	348	275.10	31331	288.90	35	298.40	39
266.95	29	276.00	4454	289.20	54	299.10	17
267.80	29	277.00	2898	290.10	188	301.00	127
268.90	60	278.00	538	291.05	76	302.00	174
269.90	26	279.05	127	292.25	211	303.10	1108
271.00	105	281.10	89	293.00	628	304.05	260
271.20	92	281.95	182	294.00	144	304.80	38
272.00	122	283.05	205	295.00	191	305.10	22
272.20	72	284.10	303	296.00	9706	308.10	135
273.05	2204	285.00	534	297.10	1270	308.80	26

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
309.15	75	315.00	1027	326.20	34	339.85	40
309.80	17	316.10	639	327.00	499	341.05	397
310.05	130	317.10	106	328.05	348	342.10	103
310.65	39	319.00	42	328.95	50	343.20	35
311.10	25	320.05	40	331.80	67	344.00	26
311.30	19	320.95	429	332.05	112	345.10	22
312.10	50	322.10	181	333.10	311	346.00	748
312.60	18	323.10	3219	334.05	2125	346.95	142
313.10	133	324.05	646	335.10	488	348.10	18
313.40	18	325.05	120	335.95	93	350.20	33
314.00	490	325.80	43	339.05	81	351.00	112

Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.05	963	366.00	741	384.90	40	402.95	1155
353.00	720	366.95	67	386.10	17	404.10	427
354.10	1090	369.20	28	386.90	25	404.95	61
355.00	198	369.90	105	390.10	194	405.30	17
356.10	30	370.20	24	391.00	107	406.10	22
357.05	106	371.00	249	391.20	30	406.40	17
358.00	18	372.05	1802	391.80	23	410.20	20
359.20	17	373.05	539	392.10	130	410.80	17
360.50	16	377.00	27	394.10	20	415.10	33
362.30	16	383.05	438	401.05	52	416.20	20
365.00	4578	384.00	140	402.00	753	417.10	20

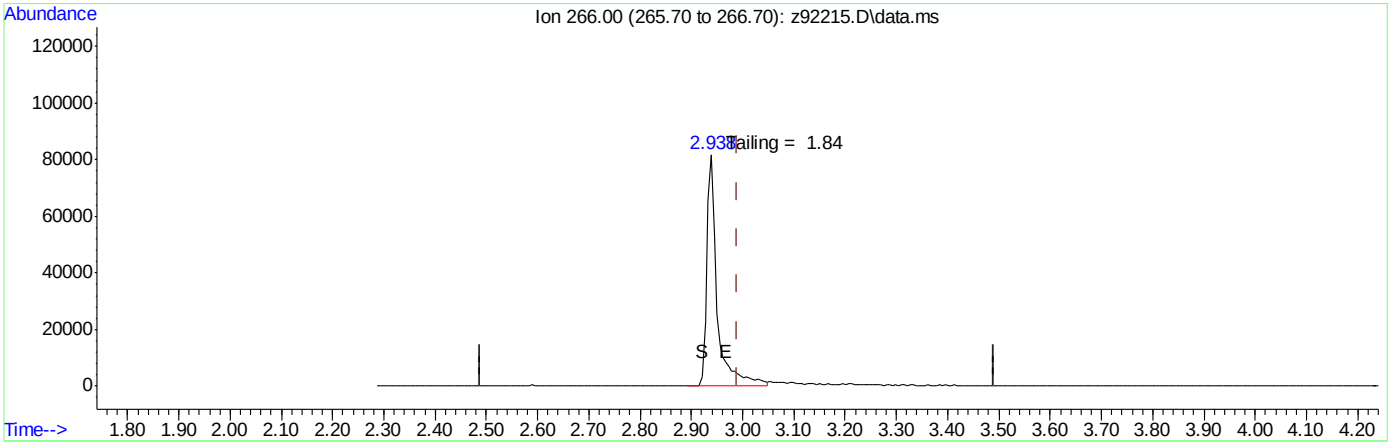
Average of 3.207 to 3.218 min.: z92215.D\data.ms
DFTPP
Modified:subtracted

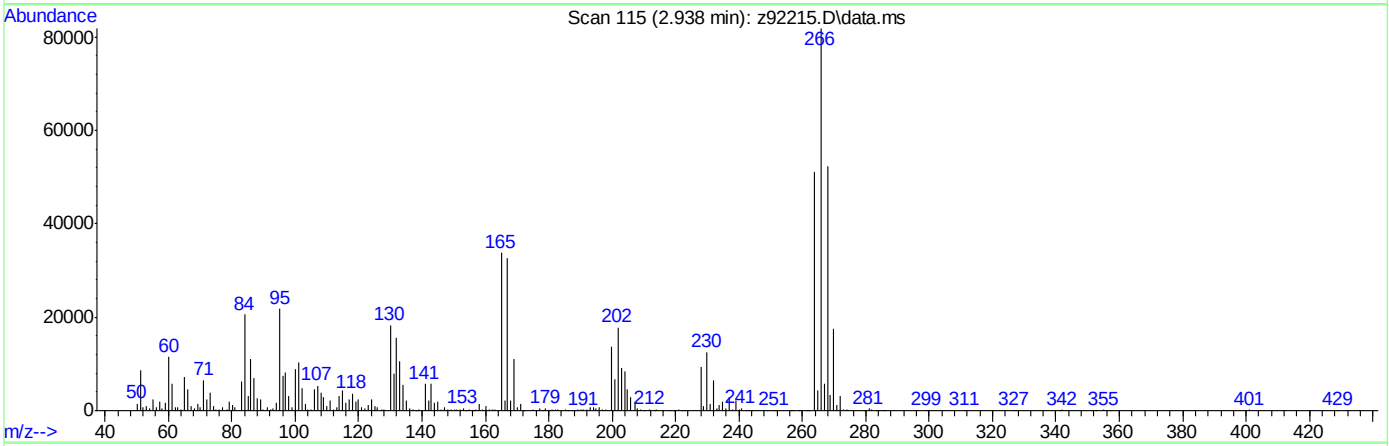
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
421.00	813	435.70	24	447.30	19		
422.05	813	436.10	27	455.00	20		
423.05	6156	438.00	21	460.90	24		
424.05	1283	438.30	43	475.20	17		
424.90	46	439.20	50				
425.10	71	441.05	15789				
428.40	16	442.00	109106				
429.10	34	443.10	20606				
431.20	24	444.05	2047				
431.60	17	445.10	222				
435.20	33	446.00	18				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92215.D
Acq On : 6 Jun 2014 9:59 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4586
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 10:19:03 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: z92215.D\data.ms

(1) Pentachlorophenol

2.940min (-0.050) 128.31

response 1112681

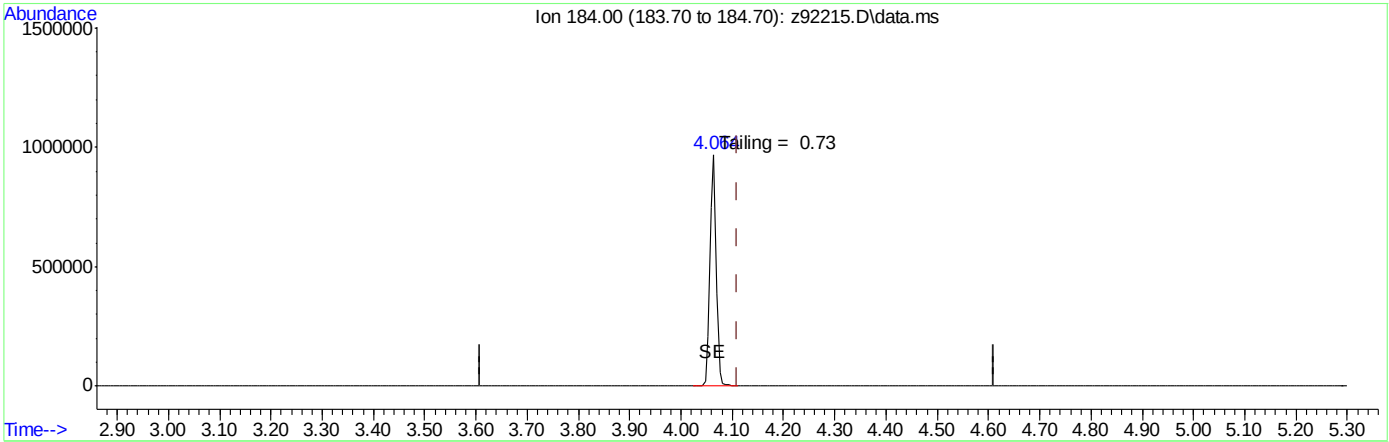
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

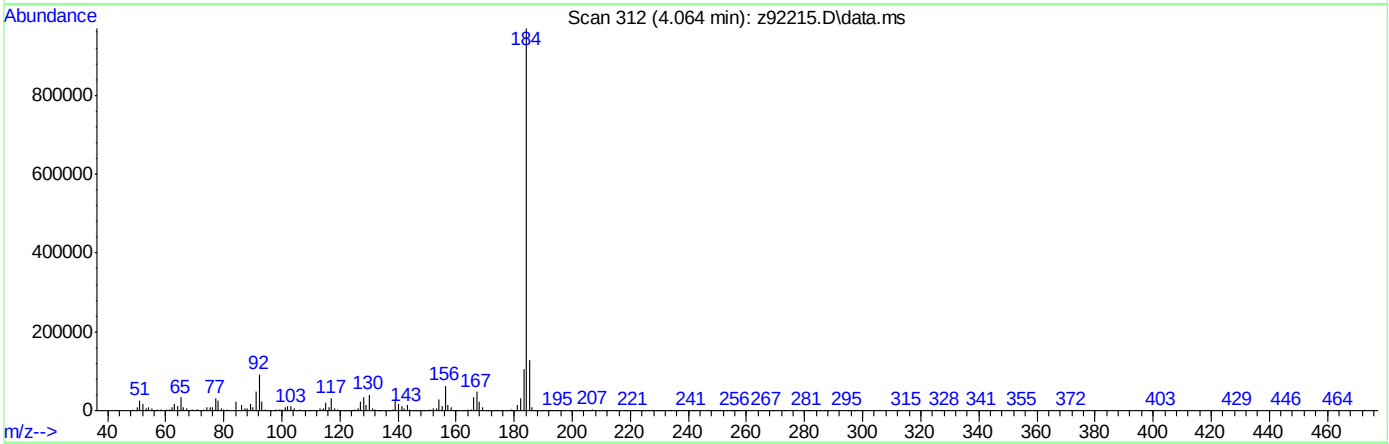
9.5.9.1
9
ACCUTEST LABORATORIES
JB67976
Z92215.D edits: Pentachlorophenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92215.D
Acq On : 6 Jun 2014 9:59 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4586
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 10:19:03 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: z92215.D\data.ms

(2) Benzidine

4.065min (-0.045) 136.31

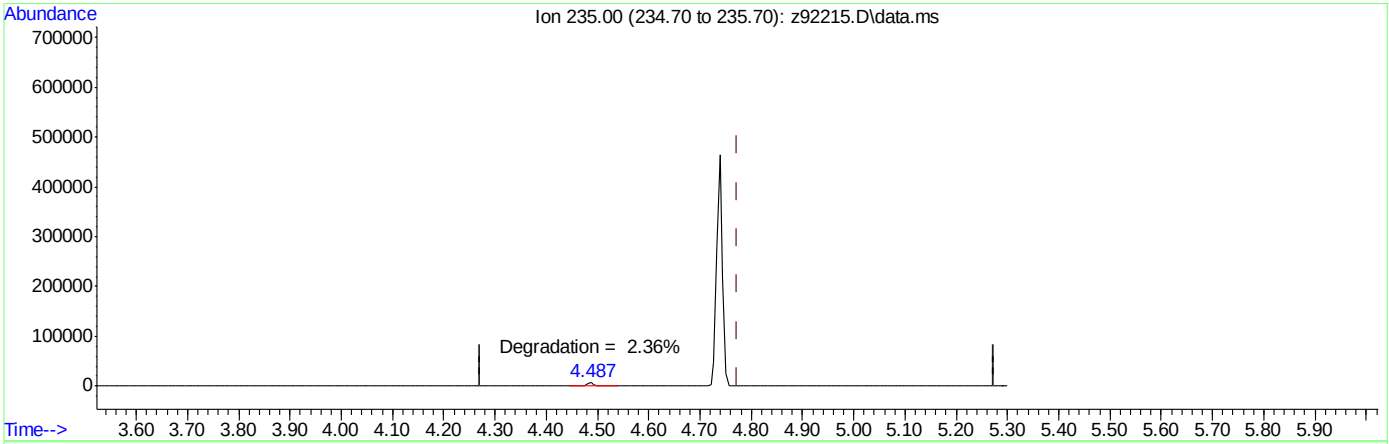
response 8280011

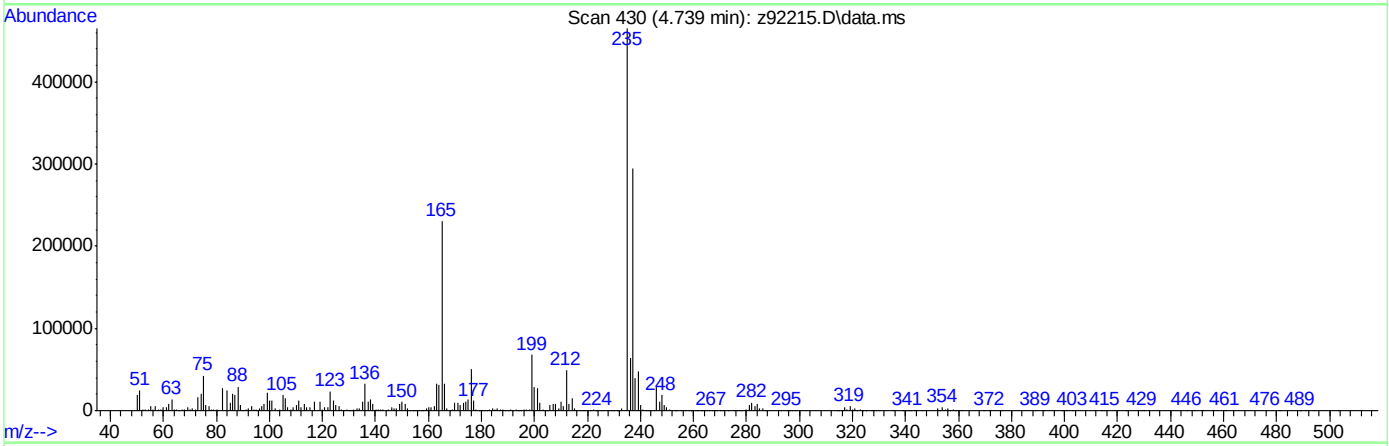
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92215.D
Acq On : 6 Jun 2014 9:59 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4586
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 10:19:03 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: z92215.D\data.ms

(3) PP-DDT

4.740min (-0.033) 142.86

response 3570885

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

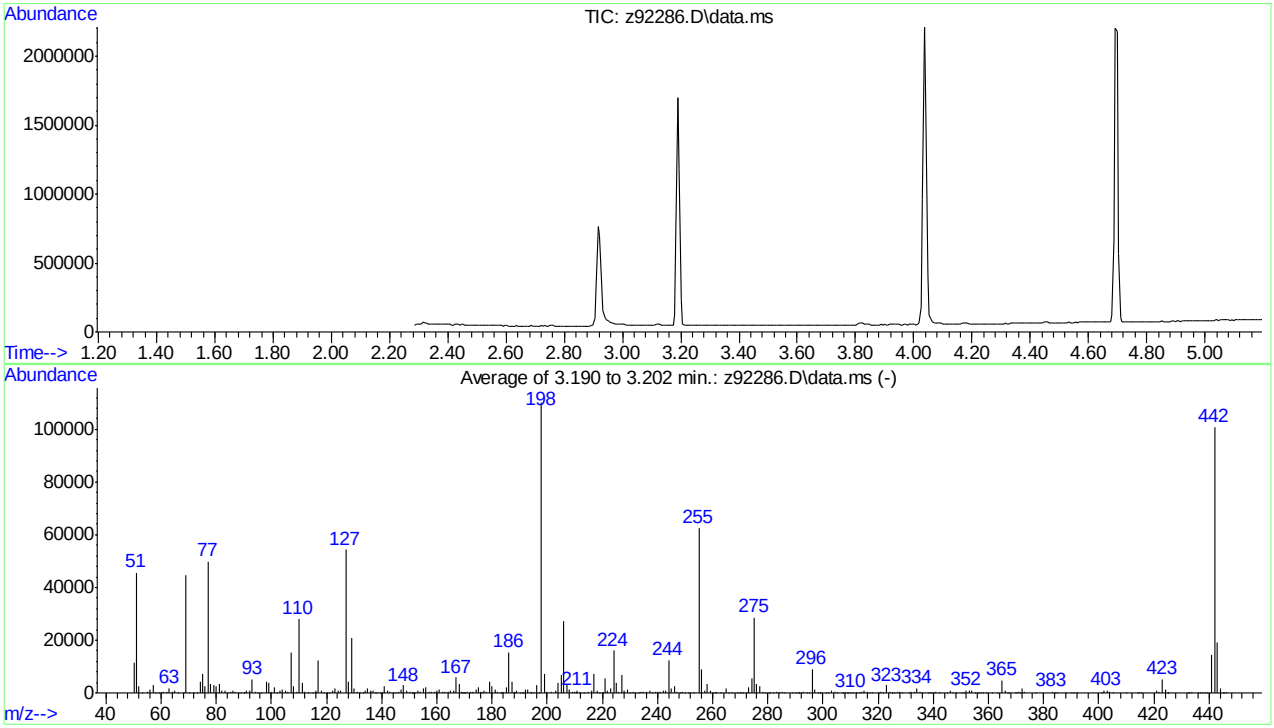
ACCUTEST LABORATORIES JB67976

DFTPP

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92286.D
Acq On : 9 Jun 2014 9:11 am
Operator : ashleyv
Sample : DFTPP
Misc : op73791,ez4589
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 159, 160, 161; Background Corrected with Scan 154

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.4	45603	PASS
68	69	0.00	2	0.4	181	PASS
69	198	0.00	100	40.6	44761	PASS
70	69	0.00	2	0.2	72	PASS
127	198	40	60	49.3	54327	PASS
197	198	0.00	1	0.1	79	PASS
198	198	100	100	100.0	110114	PASS
199	198	5	9	6.5	7146	PASS
275	198	10	30	25.9	28545	PASS
365	198	1	100	4.4	4818	PASS
441	443	0.01	100	76.3	14454	PASS
442	198	40	100	91.7	100933	PASS
443	442	17	23	18.8	18946	PASS

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	11584	62.10	603	75.10	7435	86.00	794
51.10	45603	63.10	1728	76.10	2353	87.05	556
52.10	2484	64.15	272	77.05	49944	88.00	217
53.10	52	65.10	1019	78.10	3410	89.10	104
55.10	239	66.10	97	79.10	2998	90.00	18
56.10	1389	68.10	181	80.10	2440	90.20	19
57.10	2879	69.10	44761	81.10	3524	91.10	830
58.10	169	70.15	72	82.10	892	92.05	819
59.10	42	72.00	54	83.05	771	93.10	5150
60.10	34	73.10	196	84.00	68	94.10	468
61.05	457	74.10	4449	85.05	632	95.05	189

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.05	171	108.05	2517	119.05	81	131.00	312
98.10	4090	109.05	230	120.00	165	132.00	180
99.00	3897	110.05	27986	121.05	102	133.10	10
100.05	233	111.10	3931	122.10	1073	134.00	689
101.05	2011	112.05	508	123.05	1708	135.00	1740
102.10	11	113.10	128	124.10	745	136.10	716
103.05	726	115.00	9	125.00	786	137.05	877
104.00	1397	116.00	690	127.05	54327	137.85	170
105.05	1042	116.20	58	128.10	4277	138.10	24
106.10	322	117.10	12437	129.05	20860	139.20	130
107.05	15502	118.05	749	130.05	1720	140.00	197

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.05	2498	151.20	188	161.00	1286	169.60	24
142.00	870	151.60	166	162.05	447	170.00	189
143.05	615	152.00	215	163.05	239	171.05	298
144.05	227	153.10	954	164.05	253	172.05	427
145.15	125	154.05	637	165.10	859	173.05	540
146.05	587	155.10	1696	166.00	751	174.10	1365
147.05	1426	156.10	2243	167.10	5794	175.10	1963
148.00	2967	157.05	406	168.05	3297	175.95	577
149.00	685	158.05	479	168.80	74	176.40	24
150.10	345	159.05	404	169.05	402	176.95	924
151.00	220	160.05	821	169.30	23	178.05	460

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
179.05	4197	188.30	19	196.90	79	209.05	231
180.10	2733	189.00	954	198.00	110114	210.10	516
181.05	1295	190.05	211	199.00	7146	210.30	53
182.10	241	191.00	150	199.95	530	210.95	972
183.00	87	191.20	210	201.50	544	211.70	166
183.20	56	192.00	1307	203.00	875	212.10	93
184.05	439	193.05	1460	204.10	3680	213.15	101
185.10	1963	194.00	316	205.05	6606	215.05	258
186.10	15434	194.20	45	206.10	27341	216.10	723
187.10	4221	195.00	151	207.10	3391	217.00	7335
188.10	427	196.10	3193	208.00	1126	218.00	972

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
218.90	120	229.00	1419	240.05	331	251.00	131
220.00	123	230.00	182	241.05	447	251.85	136
220.30	37	231.00	451	242.05	815	253.10	200
221.10	5651	232.05	149	243.05	917	255.10	62572

DFTPPZ.M Tue Jun 10 09:29:01 2014 RTE

221.95	670	233.05	148	244.10	12449	256.00	8990
223.10	1733	234.00	507	245.10	1624	257.00	839
224.10	16064	235.00	458	246.00	2663	258.00	3561
225.05	3836	236.00	334	247.00	495	259.05	661
226.05	446	237.05	725	248.05	142	260.10	122
227.00	6807	238.10	105	249.05	407	260.75	103
228.00	1030	239.10	313	250.00	46	261.20	17

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
262.85	57	275.10	28545	286.05	98	298.00	90
265.05	1622	276.05	3622	289.00	111	299.00	21
265.85	117	277.00	2506	290.15	90	299.20	25
267.00	80	278.10	454	291.05	75	301.05	122
269.10	18	279.00	136	291.40	17	302.05	172
269.75	78	280.20	37	292.05	182	303.10	1048
270.10	66	280.80	37	293.05	616	304.10	343
271.05	141	282.10	174	294.10	171	305.20	39
272.00	166	283.05	390	295.10	23	307.00	17
273.00	1962	284.00	220	296.05	9064	307.20	17
274.05	5489	285.05	469	297.00	1140	308.00	114

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
308.90	56	317.90	19	328.85	51	341.05	346
309.10	86	320.00	25	331.00	25	342.00	139
310.05	130	321.05	328	332.00	228	344.90	20
311.00	25	321.95	164	333.10	235	346.05	702
311.90	19	323.10	2885	334.10	1922	347.05	160
312.20	20	324.05	582	335.10	442	348.10	25
313.05	118	324.90	47	335.95	62	350.10	24
314.10	469	325.20	24	338.00	19	351.10	72
315.00	970	326.00	67	338.90	39	352.00	1071
315.95	495	327.00	499	339.20	34	353.05	684
317.10	85	328.05	368	340.15	46	354.00	905

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
355.10	214	367.10	21	388.00	19	414.60	18
355.80	18	369.90	32	390.00	216	415.05	46
356.15	61	370.10	57	391.05	143	421.00	680
357.10	16	370.90	280	391.95	105	421.95	591
357.90	19	371.20	21	400.90	122	423.00	5187
359.00	79	372.05	1717	402.00	703	424.00	1215
361.10	24	372.95	485	403.05	859	424.80	31
363.40	23	376.90	66	404.00	272	425.10	147
365.00	4818	383.00	431	405.00	47	432.30	22
366.00	665	384.10	168	410.10	19	432.90	18
366.90	44	384.95	49	414.00	16	433.60	27

Average of 3.190 to 3.202 min.: z92286.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
435.90	28	446.00	68				
436.60	20						
437.75	41						
438.50	53						
439.10	32						
441.05	14454						
442.00	100933						
443.05	18946						
444.10	1803						
445.00	91						
445.20	19						

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 16:22:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 15:57:46 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	553607	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2102820	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1129237	40.00	ppb	0.00
69) Phenanthrene-d10	8.834	188	1756218	40.00	ppb	0.00
83) Chrysene-d12	12.578	240	1634480	40.00	ppb	0.00
92) Perylene-d12	14.632	264	1419355	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	553607	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1129237	40.00	ppb	0.00
107) Chrysene-d12a	12.578	240	1634480	40.00	ppb	0.00
110) Phenanthrene-d10a	8.834	188	1756218	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2102820	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.522	112	952669	50.31	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 100.62%#			
8) Phenol-d5	3.271	99	1138362	49.75	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 99.50%#			
25) Nitrobenzene-d5	4.186	82	909077	48.42	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 96.84%#			
51) 2-Fluorobiphenyl	6.240	172	1694690	47.78	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 95.56%#			
73) 2,4,6-Tribromophenol	7.989	330	210589	51.68	ppb	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 103.36%#			
85) Terphenyl-d14	11.048	244	1634340	50.27	ppb	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 100.54%#			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.619	88	417158	50.65	ppb	100
3) Pyridine	1.779	79	1051359	49.41	ppb	100
4) N-Nitrosodimethylamine	1.752	74	531617	49.96	ppb	100
6) Indene	3.881	116	1757240	48.25	ppb	100
7) Cumene	2.924	105	2616594	50.00	ppb	100
9) Phenol	3.282	94	1206929	49.20	ppb	100
10) Aniline	3.314	93	1195777	45.72	ppb	100
11) bis(2-Chloroethyl)ether	3.368	93	830743	48.59	ppb	100
12) 2-Chlorophenol	3.426	128	1020640	48.81	ppb	100
13) Decane	3.474	57	1000108	47.22	ppb	100
14) 1,3-Dichlorobenzene	3.576	146	1102654	48.72	ppb	100
15) 1,4-Dichlorobenzene	3.640	146	1092043	48.70	ppb	100
16) Benzyl alcohol	3.758	108	628638	50.24	ppb	100
17) 1,2-Dichlorobenzene	3.795	146	1014151	48.18	ppb	100
18) Acetophenone	4.025	105	1419143	47.34	ppb	100
19) 2-Methylphenol	3.870	108	835024	48.77	ppb	100
20) 2,2'-oxybis(1-Chloropr...	3.897	121	259964	47.72	ppb	100
21) 3&4-Methylphenol	4.031	108	854371	48.02	ppb	100
22) n-Nitroso-di-n-propyla...	4.036	70	560517	49.75	ppb	100
23) Hexachloroethane	4.138	201	336554	48.28	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 16:22:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 15:57:46 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Nitrobenzene	4.202	77	922591	47.75	ppb		100
27) Quinoline	5.379	129	2176264	48.69	ppb		100
28) Isophorone	4.464	82	1596109	48.37	ppb		100
29) 2-Nitrophenol	4.550	139	522569	52.00	ppb		100
30) 2,4-Dimethylphenol	4.603	107	852222	54.64	ppb		100
31) Benzoic acid	4.758	105	670254m	51.39	ppb		
32) bis(2-Chloroethoxy)met...	4.710	93	987644	48.27	ppb		100
33) 2,4-Dichlorophenol	4.812	162	754738	49.44	ppb		100
34) 2,6-Dichlorophenol	5.068	162	718174	49.65	ppb		100
35) 1,3,5-Trichlorobenzene	4.566	180	970103	48.09	ppb		100
36) 1,2,4-Trichlorobenzene	4.908	180	824025	48.41	ppb		100
37) 1,2,3-Trichlorobenzene	5.159	180	905808	48.43	ppb		100
38) Naphthalene	4.993	128	2698786	48.07	ppb		100
39) 4-Chloroaniline	5.063	127	1175693	48.22	ppb		100
40) 2,3-Dichloroaniline	6.127	161	1080643	49.07	ppb		100
41) Caprolactam	5.480	113	332269	52.72	ppb		100
42) Hexachlorobutadiene	5.154	225	402418	48.56	ppb		100
43) 4-Chloro-3-methylphenol	5.651	107	818273	50.65	ppb		100
44) 2-Methylnaphthalene	5.796	141	1592799	48.92	ppb		100
45) 1-Methylnaphthalene	5.908	141	1807495	49.14	ppb		100
46) Dimethylnaphthalene	6.539	156	1735185	48.71	ppb		100
48) Hexachlorocyclopentadiene	5.999	237	952376	116.47	ppb		100
49) 2,4,6-Trichlorophenol	6.138	196	486449	51.55	ppb		100
50) 2,4,5-Trichlorophenol	6.181	196	540096	51.36	ppb		100
52) 2-Chloronaphthalene	6.368	162	1579554	47.17	ppb		100
53) Biphenyl	6.357	154	2373194	48.18	ppb		100
54) 2-Nitroaniline	6.502	65	497437	51.55	ppb		100
55) Dimethylphthalate	6.742	163	1739113	47.46	ppb		100
56) Acenaphthylene	6.860	152	2709006	49.16	ppb		100
57) 2,6-Dinitrotoluene	6.801	165	411829	52.84	ppb		100
58) 3-Nitroaniline	6.999	138	538797	44.31	ppb	#	53
59) Acenaphthene	7.074	153	1669572	84.07	ppb	#	24
60) 2,4-Dinitrophenol	7.122	184	430249	101.21	ppb		100
61) 4-Nitrophenol	7.224	109	271564	57.88	ppb		100
62) Dibenzofuran	7.283	168	2130295	46.84	ppb		100
63) 2,4-Dinitrotoluene	7.283	165	542757	69.64	ppb		99
64) 2,3,4,6-Tetrachlorophenol	7.438	232	393361	57.35	ppb		100
65) Diethylphthalate	7.609	149	1877382	49.13	ppb		100
66) Fluorene	7.695	166	1779032	48.26	ppb		100
67) 4-Chlorophenyl-phenyle...	7.711	204	725085	48.06	ppb		100
68) 4-Nitroaniline	7.743	138	511493	50.01	ppb		100
70) 4,6-Dinitro-2-methylph...	7.775	198	262958	49.93	ppb		100
71) n-Nitrosodiphenylamine	7.860	169	1197406	49.08	ppb		100
72) 1,2-Diphenylhydrazine	7.903	77	1846645	48.38	ppb		100
74) 4-Bromophenyl-phenylether	8.299	248	426802	49.57	ppb		100
75) Hexachlorobenzene	8.368	284	492290	48.61	ppb		100
76) Pentachlorophenol	8.615	266	662021	97.82	ppb		100
77) Phenanthrene	8.866	178	2454569	48.02	ppb		100
78) Anthracene	8.930	178	2461674	48.94	ppb		100
79) Carbazole	9.149	167	2881064	49.13	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 16:22:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 15:57:46 2014
Response via : Initial Calibration

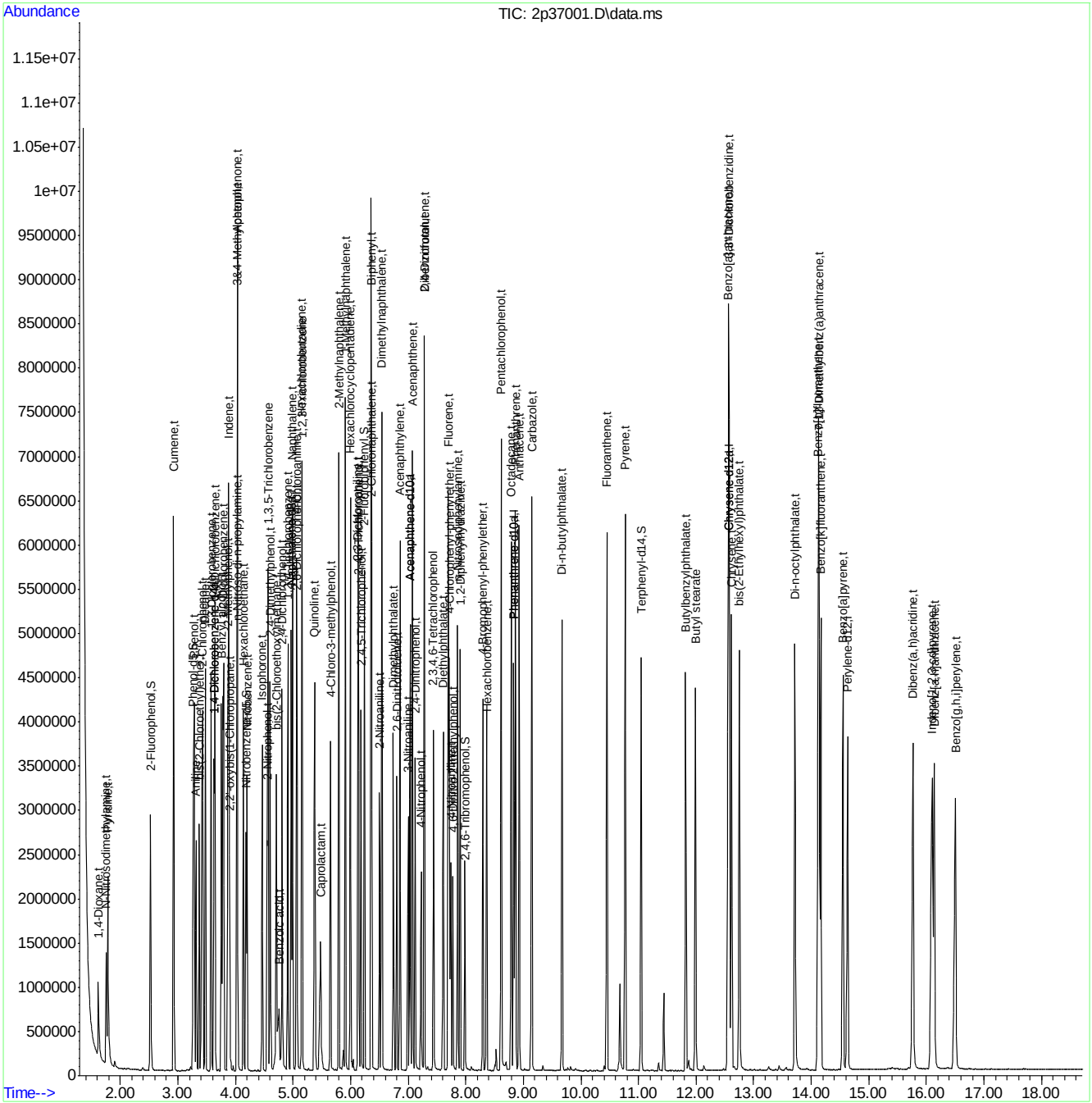
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.668	149	3302632	51.99	ppb	100
81) Fluoranthene	10.454	202	2732086	50.68	ppb	100
82) Octadecane	8.791	43	781574	48.42	ppb	100
84) Pyrene	10.770	202	2845162	49.90	ppb	100
86) Butylbenzylphthalate	11.824	149	1503544	56.25	ppb	100
87) Butyl stearate	11.990	56	800706	57.32	ppb	100
88) Benzo[a]anthracene	12.562	228	2403770	49.75	ppb	100
89) 3,3'-Dichlorobenzidine	12.567	252	860854	55.24	ppb	100
90) Chrysene	12.621	228	2083251	49.46	ppb	100
91) bis(2-Ethylhexyl)phtha...	12.749	149	1980166	55.34	ppb	100
93) Di-n-octylphthalate	13.712	149	3577933	50.22	ppb	100
94) Benzo[b]fluoranthene	14.124	252	2505381	54.30	ppb	100
95) Benzo[k]fluoranthene	14.166	252	2151541	51.09	ppb	100
96) Benzo[a]pyrene	14.557	252	2107498	53.91	ppb	100
97) Indeno[1,2,3-cd]pyrene	16.097	276	2567720m	54.85	ppb	
98) Dibenz(a,h)acridine	15.766	279	2177397	54.52	ppb	100
99) Dibenz[a,h]anthracene	16.140	278	2031429	54.44	ppb	100
100) 7,12-Dimethylbenz(a)an...	14.134	256	1208964	50.19	ppb	100
101) Benzo[g,h,i]perylene	16.509	276	2087004	54.81	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 16:22:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 15:57:46 2014
Response via : Initial Calibration



Manual Integration Approval Summary

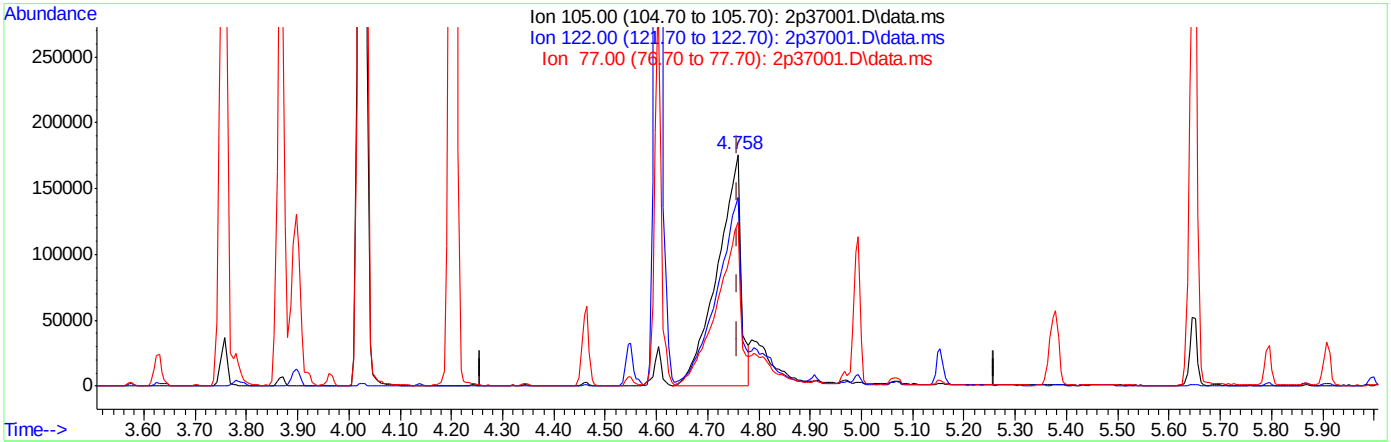
Sample Number: E2P1539-ICC1539 **Method:** SW846 8270D
Lab FileID: 2P37001.D **Analyst approved:** 05/29/14 16:36 Olga Azarihn
Injection Time: 05/28/14 20:20 **Supervisor approved:** 05/30/14 13:01 Nina Pandya

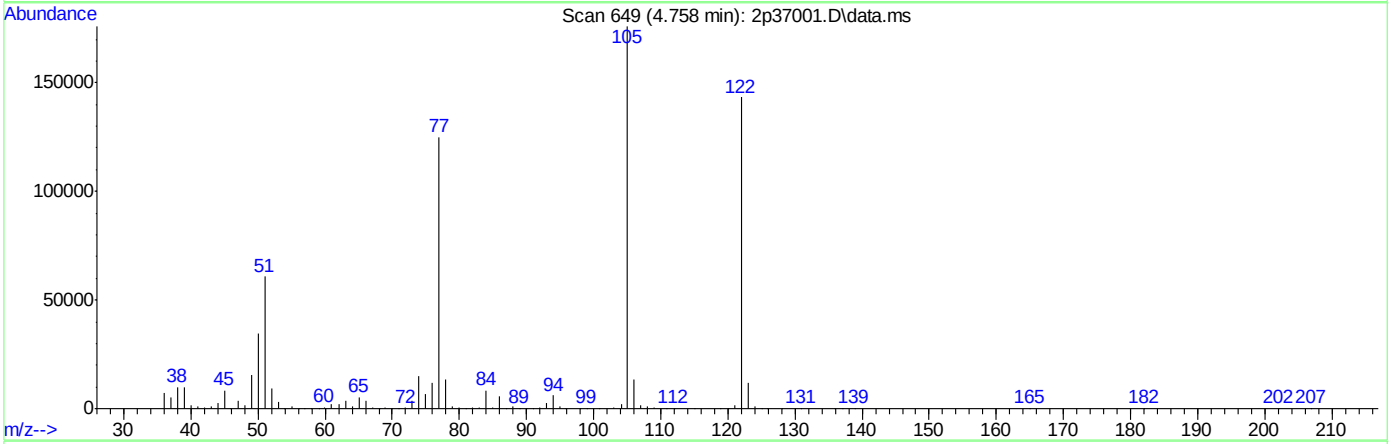
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.76	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		16.10	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 07:59:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 07:58:46 2014
Response via : Initial Calibration





TIC: 2p37001.D\data.ms

(31) Benzoic acid (t)

4.758min (0.000) 41.68ppb

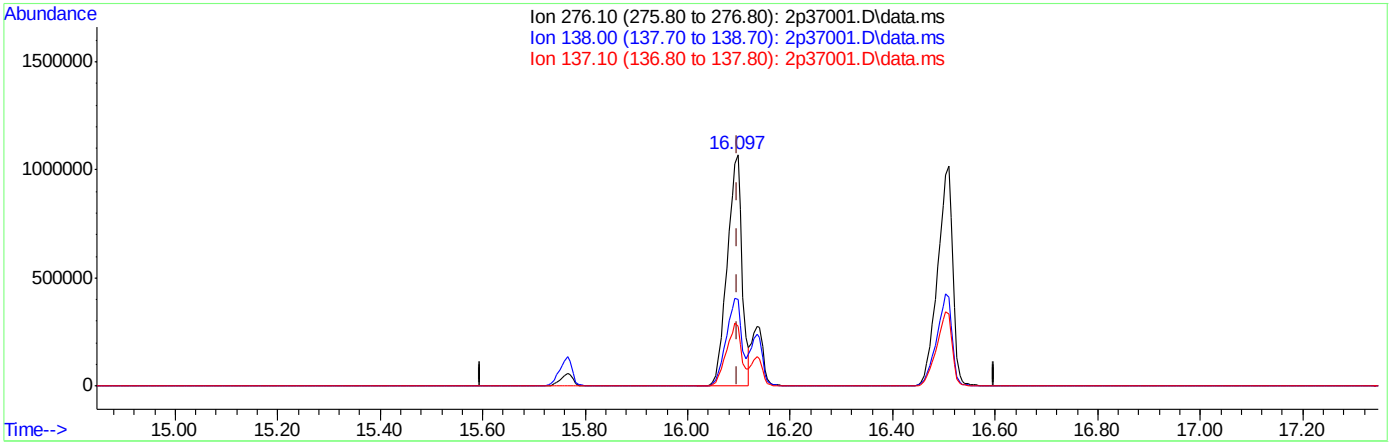
response 561762

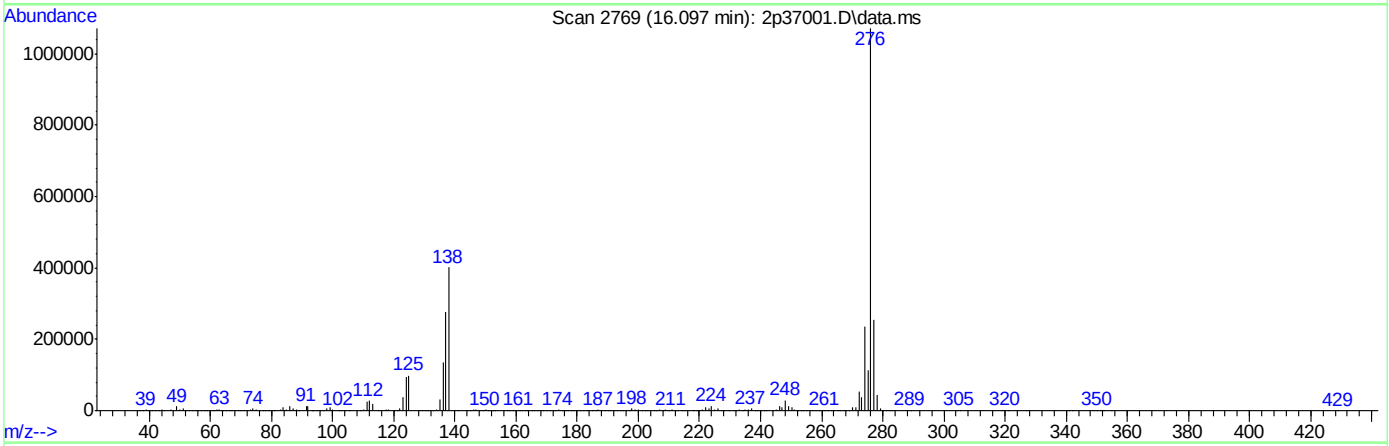
Ion	Exp%	Act%
105.00	100	100
122.00	88.10	79.41
77.00	67.10	70.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 07:59:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 07:58:46 2014
Response via : Initial Calibration





TIC: 2p37001.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.097min (0.000) 50.00ppb

response 2143020

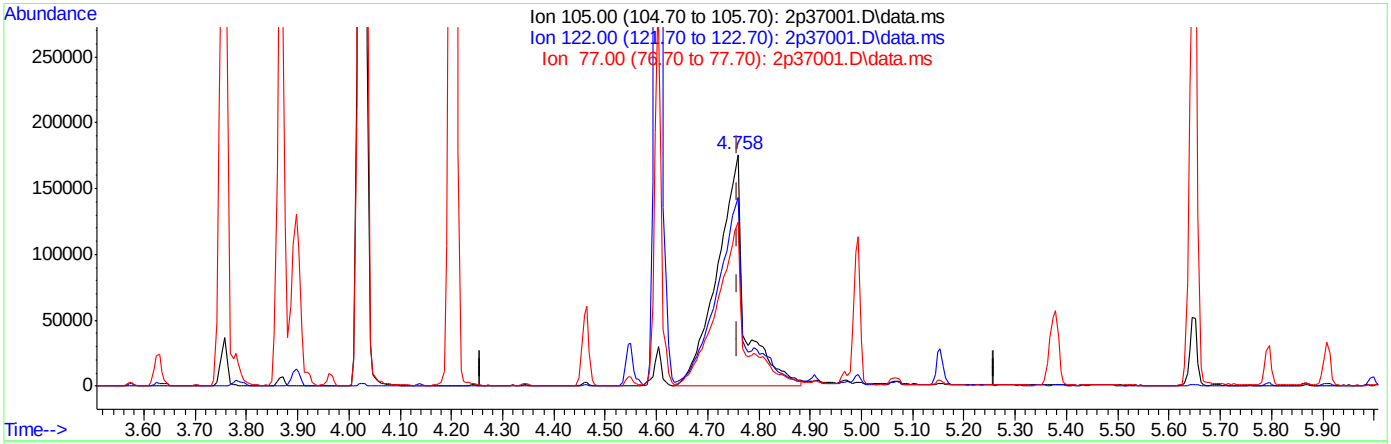
Ion	Exp%	Act%
276.10	100	100
138.00	29.40	33.55
137.10	21.30	24.21
0.00	0.00	0.00

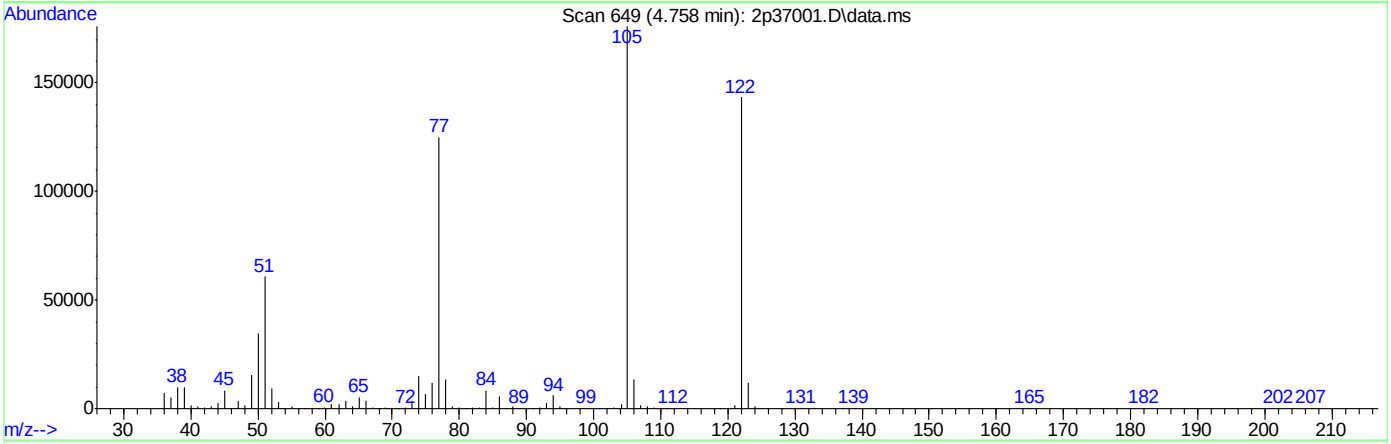
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 15:58:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 15:57:46 2014
Response via : Initial Calibration





TIC: 2p37001.D\data.ms

(31) Benzoic acid (t)

4.758min (0.000) 51.39ppb m

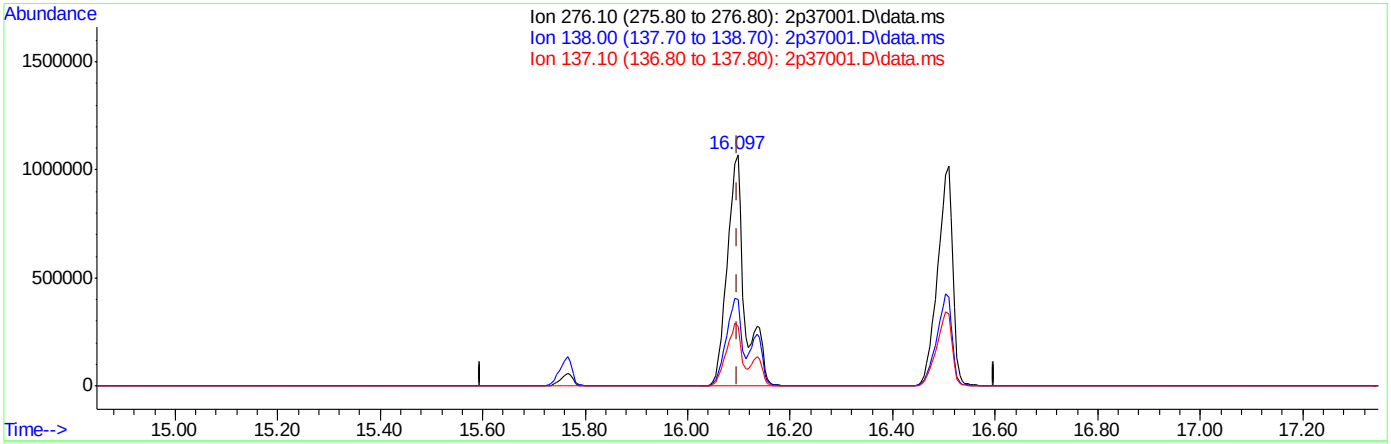
response 670254

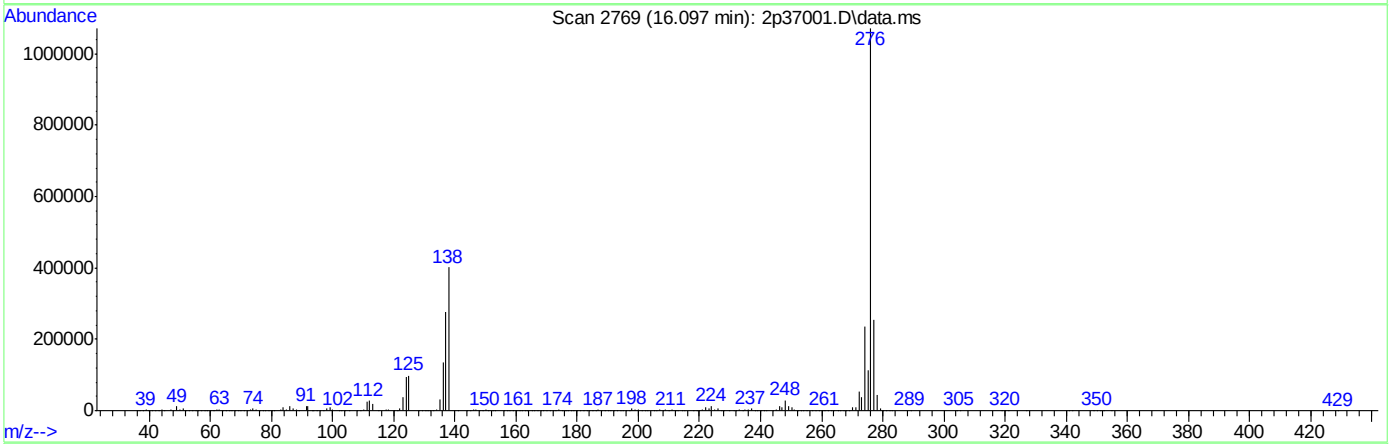
Ion	Exp%	Act%
105.00	100	100
122.00	79.40	81.41
77.00	70.10	71.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37001.D
Acq On : 28 May 2014 8:20 pm
Operator : ashleyd
Sample : icc1539-50
Misc : op75027,e2p1539
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 15:58:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 15:57:46 2014
Response via : Initial Calibration





TIC: 2p37001.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.097min (0.000) 54.85ppb m

response 2567720

Ion	Exp%	Act%
276.10	100	100
138.00	33.50	37.49
137.10	24.20	25.94
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37002.D
Acq On : 28 May 2014 8:43 pm
Operator : ashleyd
Sample : ic1539-25
Misc : op75027,e2p1539
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:23:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:09:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	575500	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2176597	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1145483	40.00	ppb	0.00
69) Phenanthrene-d10	8.829	188	1782398	40.00	ppb	0.00
83) Chrysene-d12	12.573	240	1631386	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1430351	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	575500	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1145483	40.00	ppb	0.00
107) Chrysene-d12a	12.573	240	1631386	40.00	ppb	0.00
110) Phenanthrene-d10a	8.829	188	1782398	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2176597	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.523	112	511403	25.95	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 51.90%			
8) Phenol-d5	3.266	99	609117	26.03	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 52.06%			
25) Nitrobenzene-d5	4.181	82	490372	26.06	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 52.12%			
51) 2-Fluorobiphenyl	6.240	172	912895	26.45	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 52.90%			
73) 2,4,6-Tribromophenol	7.983	330	101891	23.68	ppb	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 47.36%			
85) Terphenyl-d14	11.043	244	843915	25.71	ppb	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 51.42%			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.624	88	221949	25.69	ppb	99
3) Pyridine	1.779	79	563086	25.78	ppb	97
4) N-Nitrosodimethylamine	1.752	74	285081	25.98	ppb	98
6) Indene	3.881	116	986846	27.50	ppb	100
7) Cumene	2.929	105	1421190	26.70	ppb	100
9) Phenol	3.277	94	647605	26.34	ppb	96
10) Aniline	3.314	93	674596	26.87	ppb	99
11) bis(2-Chloroethyl)ether	3.368	93	456266	26.53	ppb	98
12) 2-Chlorophenol	3.426	128	556659	26.59	ppb	99
13) Decane	3.475	57	577945	28.00	ppb	97
14) 1,3-Dichlorobenzene	3.576	146	601064	26.39	ppb	99
15) 1,4-Dichlorobenzene	3.640	146	593560	26.41	ppb	100
16) Benzyl alcohol	3.753	108	336446	26.14	ppb	98
17) 1,2-Dichlorobenzene	3.795	146	559853	26.72	ppb	99
18) Acetophenone	4.025	105	798694	27.08	ppb	94
19) 2-Methylphenol	3.865	108	462926	26.82	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.897	121	144854	26.74	ppb #	89
21) 3&4-Methylphenol	4.025	108	475492	26.80	ppb	97
22) n-Nitroso-di-n-propyla...	4.031	70	313137	28.91	ppb	98
23) Hexachloroethane	4.138	201	182611	25.91	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37002.D
Acq On : 28 May 2014 8:43 pm
Operator : ashleyd
Sample : ic1539-25
Misc : op75027,e2p1539
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:23:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:09:27 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Nitrobenzene	4.202	77	503759	26.36	ppb	98
27) Quinoline	5.368	129	1176153	25.94	ppb	100
28) Isophorone	4.459	82	877635	26.41	ppb	99
29) 2-Nitrophenol	4.544	139	273318	25.73	ppb	94
30) 2,4-Dimethylphenol	4.598	107	443374	26.07	ppb	98
31) Benzoic acid	4.726	105	281112	23.54	ppb	99
32) bis(2-Chloroethoxy)met...	4.705	93	537759	26.31	ppb	100
33) 2,4-Dichlorophenol	4.812	162	406076	26.00	ppb	98
34) 2,6-Dichlorophenol	5.068	162	385015	26.10	ppb	97
35) 1,3,5-Trichlorobenzene	4.560	180	532002	26.40	ppb	98
36) 1,2,4-Trichlorobenzene	4.908	180	441333	25.96	ppb	99
37) 1,2,3-Trichlorobenzene	5.159	180	490776	26.41	ppb	99
38) Naphthalene	4.988	128	1471578	26.81	ppb	99
39) 4-Chloroaniline	5.058	127	643913	26.95	ppb	98
40) 2,3-Dichloroaniline	6.128	161	577914	26.01	ppb	99
41) Caprolactam	5.448	113	170715	25.37	ppb	92
42) Hexachlorobutadiene	5.154	225	216018	26.04	ppb	98
43) 4-Chloro-3-methylphenol	5.641	107	431430	25.77	ppb	98
44) 2-Methylnaphthalene	5.791	141	856624	26.18	ppb	99
45) 1-Methylnaphthalene	5.908	141	979129	26.65	ppb	99
46) Dimethylnaphthalene	6.539	156	943672	26.65	ppb	99
48) Hexachlorocyclopentadiene	5.994	237	477396	52.03	ppb	99
49) 2,4,6-Trichlorophenol	6.138	196	255560	25.86	ppb	98
50) 2,4,5-Trichlorophenol	6.176	196	280095	25.53	ppb	98
52) 2-Chloronaphthalene	6.363	162	869772	27.20	ppb	99
53) Biphenyl	6.352	154	1303140	27.49	ppb	99
54) 2-Nitroaniline	6.497	65	263991	26.31	ppb	99
55) Dimethylphthalate	6.737	163	937211	26.18	ppb	100
56) Acenaphthylene	6.855	152	1455306	26.79	ppb	99
57) 2,6-Dinitrotoluene	6.796	165	213809	25.82	ppb	99
58) 3-Nitroaniline	6.989	138	280046	25.82	ppb	93
59) Acenaphthene	7.069	153	893777	26.56	ppb	100
60) 2,4-Dinitrophenol	7.117	184	177076	47.98	ppb	92
61) 4-Nitrophenol	7.219	109	137861	25.73	ppb	93
62) Dibenzofuran	7.277	168	1169025	26.86	ppb	100
63) 2,4-Dinitrotoluene	7.277	165	289332	26.42	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.438	232	195933	24.98	ppb	94
65) Diethylphthalate	7.604	149	991358	26.15	ppb	100
66) Fluorene	7.689	166	967452	26.63	ppb	98
67) 4-Chlorophenyl-phenyle...	7.711	204	389664	26.24	ppb	96
68) 4-Nitroaniline	7.727	138	272578	26.24	ppb	93
70) 4,6-Dinitro-2-methylph...	7.764	198	115865	24.50	ppb	93
71) n-Nitrosodiphenylamine	7.855	169	622996	25.57	ppb	98
72) 1,2-Diphenylhydrazine	7.898	77	1013765	27.21	ppb	99
74) 4-Bromophenyl-phenylether	8.294	248	216307	24.65	ppb	96
75) Hexachlorobenzene	8.363	284	254654	24.73	ppb	96
76) Pentachlorophenol	8.609	266	307263	49.32	ppb	99
77) Phenanthrene	8.861	178	1307062	26.19	ppb	100
78) Anthracene	8.919	178	1320290	26.35	ppb	98
79) Carbazole	9.144	167	1537825	26.31	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37002.D
Acq On : 28 May 2014 8:43 pm
Operator : ashleyd
Sample : ic1539-25
Misc : op75027,e2p1539
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:23:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:09:27 2014
Response via : Initial Calibration

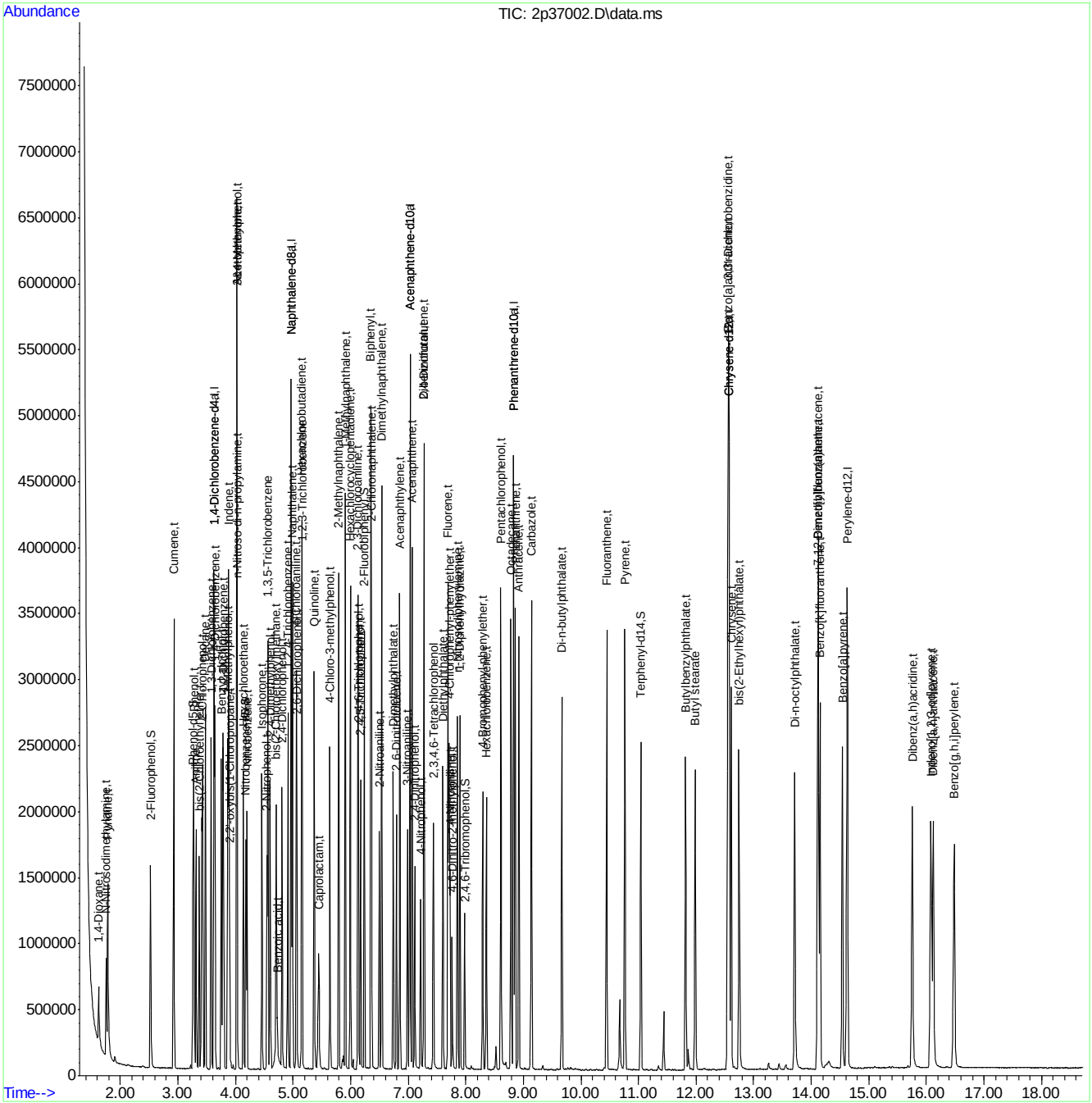
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.668	149	1711388	26.08	ppb	99
81) Fluoranthene	10.449	202	1409593	25.54	ppb	99
82) Octadecane	8.786	43	443271	28.16	ppb	95
84) Pyrene	10.759	202	1486394	26.32	ppb	99
86) Butylbenzylphthalate	11.818	149	746929	25.70	ppb	99
87) Butyl stearate	11.984	56	421039	27.60	ppb	96
88) Benzo[a]anthracene	12.557	228	1228702	25.79	ppb	99
89) 3,3'-Dichlorobenzidine	12.562	252	434352	25.58	ppb	99
90) Chrysene	12.610	228	1074666	25.84	ppb	100
91) bis(2-Ethylhexyl)phtha...	12.744	149	998443	26.21	ppb	99
93) Di-n-octylphthalate	13.712	149	1732011	24.40	ppb	99
94) Benzo[b]fluoranthene	14.113	252	1235733	24.53	ppb	99
95) Benzo[k]fluoranthene	14.156	252	1122846	26.58	ppb	99
96) Benzo[a]pyrene	14.546	252	1052952	25.02	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.076	276	1288555m	30.38	ppb	
98) Dibenz(a,h)acridine	15.755	279	1063692	24.70	ppb	100
99) Dibenz[a,h]anthracene	16.119	278	1023892	25.19	ppb	95
100) 7,12-Dimethylbenz(a)an...	14.124	256	537799	24.53	ppb	99
101) Benzo[g,h,i]perylene	16.488	276	1039107	25.20	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37002.D
Acq On : 28 May 2014 8:43 pm
Operator : ashleyd
Sample : ic1539-25
Misc : op75027,e2p1539
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:23:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:09:27 2014
Response via : Initial Calibration



Manual Integration Approval Summary

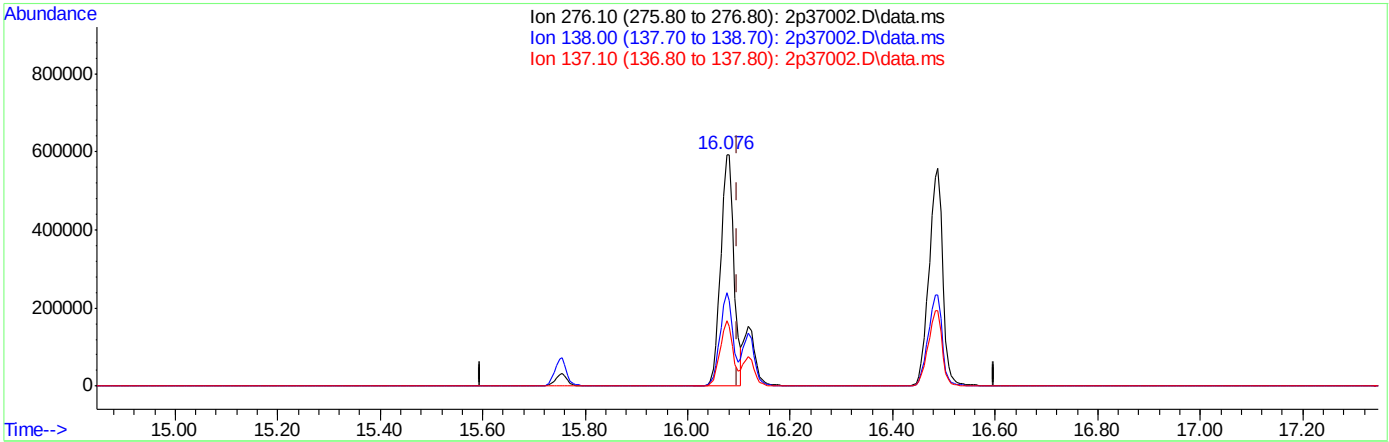
Sample Number:	E2P1539-IC1539	**Method:**	SW846 8270D
Lab FileID:	2P37002.D	**Analyst approved:**	05/29/14 16:36 Olga Azarihn
Injection Time:	05/28/14 20:43	**Supervisor approved:**	05/30/14 13:01 Nina Pandya

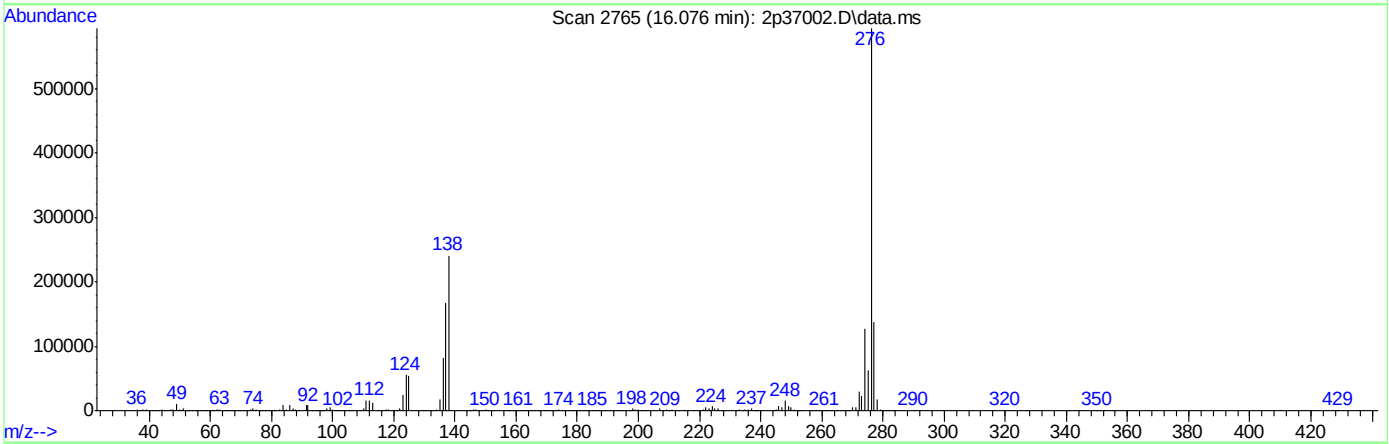
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.08	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37002.D
Acq On : 28 May 2014 8:43 pm
Operator : ashleyd
Sample : ic1539-25
Misc : op75027,e2p1539
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 08:00:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 07:59:32 2014
Response via : Initial Calibration





TIC: 2p37002.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.076min (-0.021) 24.24ppb

response 1047192

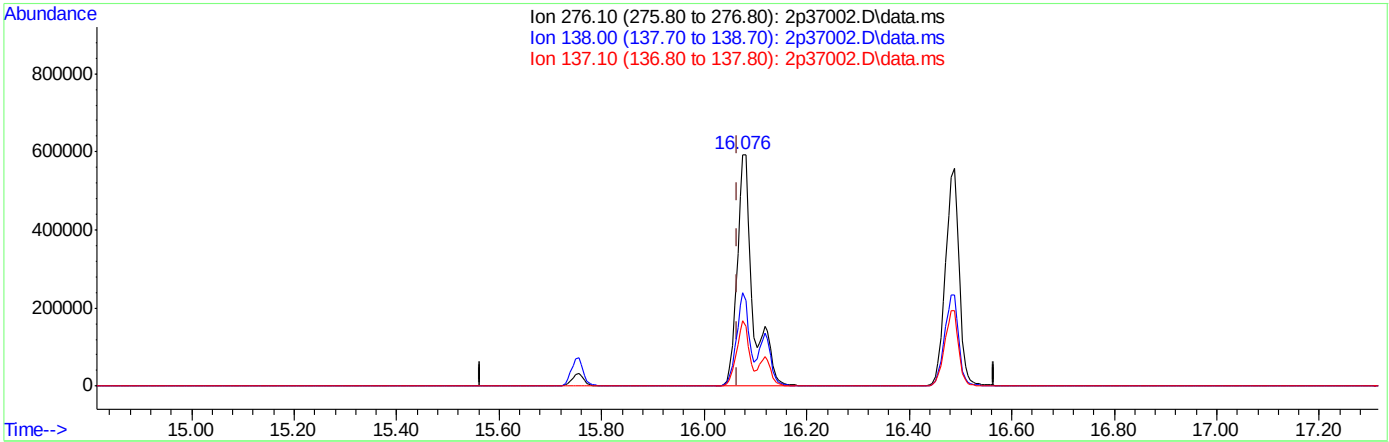
Ion	Exp%	Act%
276.10	100	100
138.00	33.50	37.64
137.10	24.20	27.14
0.00	0.00	0.00

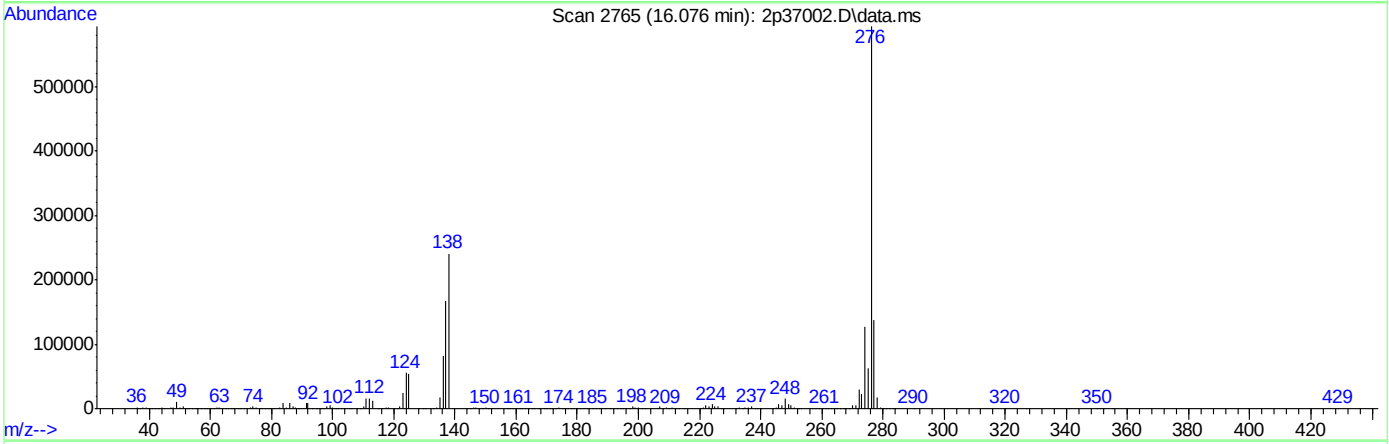
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37002.D
Acq On : 28 May 2014 8:43 pm
Operator : ashleyd
Sample : ic1539-25
Misc : op75027,e2p1539
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 16:12:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:09:27 2014
Response via : Initial Calibration





TIC: 2p37002.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.076min (+0.011) 30.38ppb m

response 1288555

Ion	Exp%	Act%
276.10	100	100
138.00	33.50	40.53
137.10	24.20	28.30
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:24:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.630	152	681721	40.00	ppb	0.00
24) Naphthalene-d8	4.972	136	2597199	40.00	ppb	0.00
47) Acenaphthene-d10	7.037	164	1387557	40.00	ppb	0.00
69) Phenanthrene-d10	8.839	188	2115191	40.00	ppb	0.00
83) Chrysene-d12	12.588	240	2000791	40.00	ppb	0.00
92) Perylene-d12	14.637	264	1755351	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.630	152	681721	40.00	ppb	0.00
104) Acenaphthene-d10a	7.037	164	1387557	40.00	ppb	0.00
107) Chrysene-d12a	12.588	240	2000791	40.00	ppb	0.00
110) Phenanthrene-d10a	8.839	188	2115191	40.00	ppb	0.00
112) Naphthalene-d8a	4.972	136	2597199	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.528	112	2246050	96.05	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 192.10%#			
8) Phenol-d5	3.282	99	2601494	94.13	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 188.26%#			
25) Nitrobenzene-d5	4.191	82	2096843	94.13	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 188.26%#			
51) 2-Fluorobiphenyl	6.250	172	3786334	91.79	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 183.58%#			
73) 2,4,6-Tribromophenol	7.994	330	574414	110.09	ppb	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 220.18%#			
85) Terphenyl-d14	11.053	244	3938373	97.81	ppb	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 195.62%#			
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppb	
111) O-terphenyl	0.000	230	0d	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.618	88	970735	95.49	ppb	98
3) Pyridine	1.779	79	2486774	96.33	ppb	99
4) N-Nitrosodimethylamine	1.752	74	1255778	96.21	ppb	98
6) Indene	3.886	116	3630570	86.21	ppb	98
7) Cumene	2.929	105	5747635	91.11	ppb	99
9) Phenol	3.298	94	2687050	92.36	ppb	92
10) Aniline	3.319	93	2623498	89.80	ppb	98
11) bis(2-Chloroethyl)ether	3.378	93	1869114	92.27	ppb	98
12) 2-Chlorophenol	3.437	128	2241446	90.96	ppb	96
13) Decane	3.480	57	2032600	84.29	ppb	96
14) 1,3-Dichlorobenzene	3.581	146	2506011	93.16	ppb	100
15) 1,4-Dichlorobenzene	3.646	146	2446394	92.34	ppb	99
16) Benzyl alcohol	3.769	108	1426941	93.69	ppb	100
17) 1,2-Dichlorobenzene	3.801	146	2242308	90.99	ppb	98
18) Acetophenone	4.036	105	3098548	89.57	ppb	93
19) 2-Methylphenol	3.881	108	1819860	89.95	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.902	121	578976	91.15	ppb #	82
21) 3&4-Methylphenol	4.047	108	1902759	91.19	ppb	99
22) n-Nitroso-di-n-propyla...	4.047	70	757430	62.74	ppb	96
23) Hexachloroethane	4.143	201	802609	96.44	ppb	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:24:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26)	Nitrobenzene	4.218	77	2057362	91.56	ppb		94
27)	Quinoline	5.405	129	5114748	95.28	ppb		100
28)	Isophorone	4.480	82	3669470	93.28	ppb		100
29)	2-Nitrophenol	4.555	139	1219563	95.90	ppb		94
30)	2,4-Dimethylphenol	4.614	107	1975850	95.65	ppb		98
31)	Benzoic acid	4.833	105	1713939m	109.43	ppb		
32)	bis(2-Chloroethoxy)met...	4.715	93	2250164	93.03	ppb		99
33)	2,4-Dichlorophenol	4.822	162	1752294	94.64	ppb		100
34)	2,6-Dichlorophenol	5.084	162	1631060	93.33	ppb		97
35)	1,3,5-Trichlorobenzene	4.571	180	2186066	92.09	ppb		99
36)	1,2,4-Trichlorobenzene	4.913	180	1889793	93.99	ppb		98
37)	1,2,3-Trichlorobenzene	5.170	180	2000078	91.19	ppb		98
38)	Naphthalene	4.999	128	5866217	89.99	ppb		98
39)	4-Chloroaniline	5.074	127	2470199	87.72	ppb		99
40)	2,3-Dichloroaniline	6.138	161	2471529	93.86	ppb		97
41)	Caprolactam	5.523	113	786907m	97.35	ppb		
42)	Hexachlorobutadiene	5.159	225	919234	93.66	ppb		99
43)	4-Chloro-3-methylphenol	5.673	107	1899199	95.28	ppb		96
44)	2-Methylnaphthalene	5.801	141	3585141	92.65	ppb		98
45)	1-Methylnaphthalene	5.919	141	3914273	89.97	ppb		99
46)	Dimethylnaphthalene	6.550	156	3816557	90.82	ppb		99
48)	Hexachlorocyclopentadiene	6.004	237	2167494	190.66	ppb		99
49)	2,4,6-Trichlorophenol	6.154	196	1154124	96.50	ppb		100
50)	2,4,5-Trichlorophenol	6.197	196	1282068	96.97	ppb		99
52)	2-Chloronaphthalene	6.379	162	3352798	87.85	ppb		98
53)	Biphenyl	6.368	154	4824937	85.29	ppb		98
54)	2-Nitroaniline	6.518	65	1159410	95.01	ppb		98
55)	Dimethylphthalate	6.758	163	4100673	95.25	ppb		99
56)	Acenaphthylene	6.865	152	5913799	90.41	ppb		98
57)	2,6-Dinitrotoluene	6.817	165	959863	95.73	ppb		96
58)	3-Nitroaniline	7.015	138	1249867	95.39	ppb		100
59)	Acenaphthene	7.079	153	3725476	91.92	ppb		97
60)	2,4-Dinitrophenol	7.144	184	1123413	221.82	ppb	#	69
61)	4-Nitrophenol	7.251	109	653056	98.53	ppb		92
62)	Dibenzofuran	7.293	168	4758898	91.18	ppb		98
63)	2,4-Dinitrotoluene	7.299	165	1239177	93.52	ppb		70
64)	2,3,4,6-Tetrachlorophenol	7.448	232	986314	101.95	ppb		93
65)	Diethylphthalate	7.620	149	4261321	93.46	ppb		98
66)	Fluorene	7.705	166	4011338	92.07	ppb		98
67)	4-Chlorophenyl-phenyle...	7.721	204	1663556	93.57	ppb		90
68)	4-Nitroaniline	7.769	138	1176999	94.04	ppb		96
70)	4,6-Dinitro-2-methylph...	7.796	198	666092	100.00	ppb		97
71)	n-Nitrosodiphenylamine	7.871	169	2752902	96.09	ppb		99
72)	1,2-Diphenylhydrazine	7.908	77	3888684	88.72	ppb		97
74)	4-Bromophenyl-phenylether	8.310	248	1070626	102.76	ppb		90
75)	Hexachlorobenzene	8.374	284	1256562	103.25	ppb		98
76)	Pentachlorophenol	8.625	266	1690257	213.80	ppb		99
77)	Phenanthrene	8.877	178	5539603	94.12	ppb		99
78)	Anthracene	8.941	178	5539753	93.70	ppb		100
79)	Carbazole	9.160	167	6464952	93.67	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:24:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration

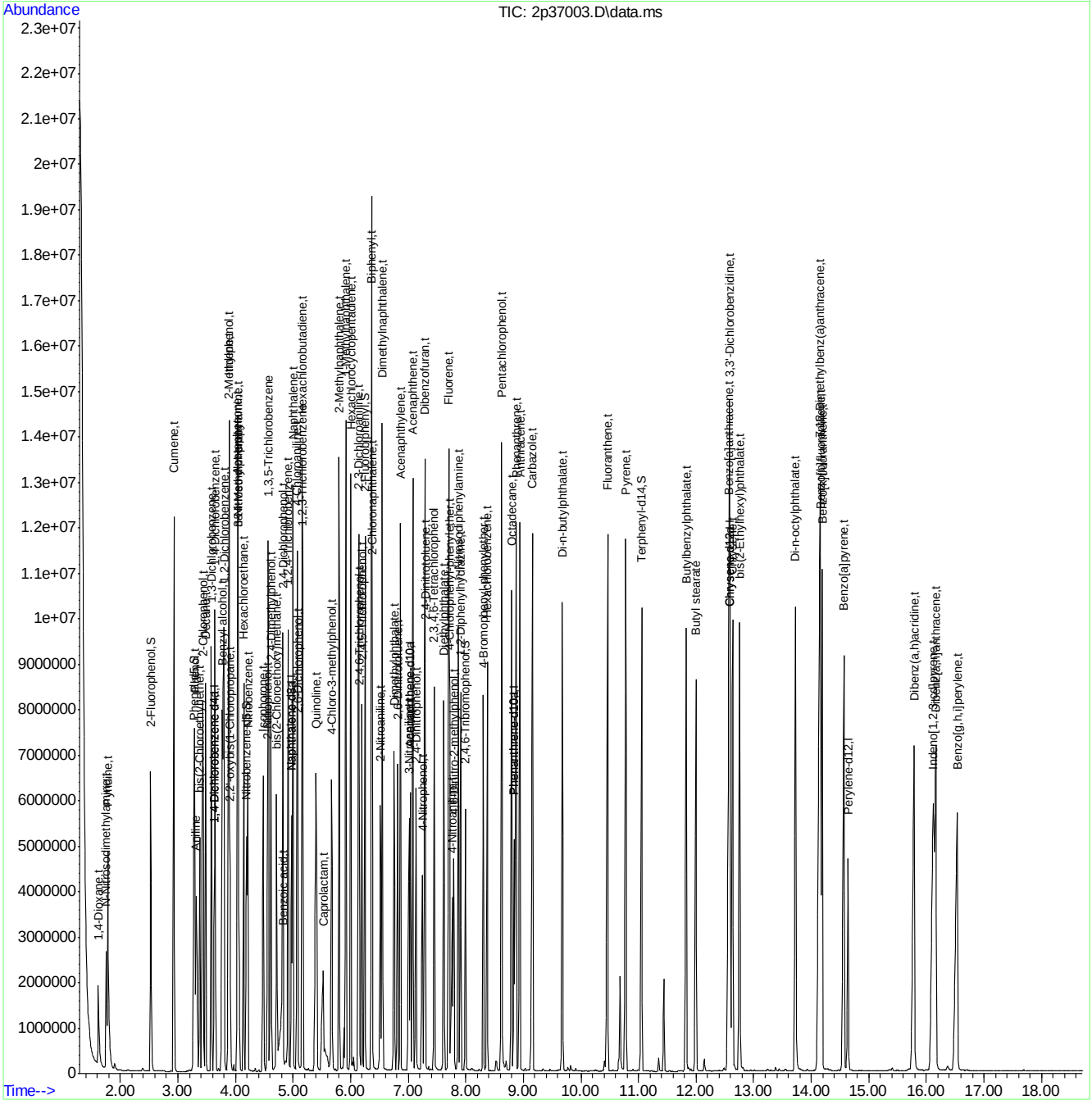
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.679	149	7307270	93.74	ppb	99
81) Fluoranthene	10.465	202	6339767	96.98	ppb	98
82) Octadecane	8.796	43	1541975	83.67	ppb	97
84) Pyrene	10.781	202	6489512	93.84	ppb	99
86) Butylbenzylphthalate	11.829	149	3481127	96.46	ppb	97
87) Butyl stearate	11.995	56	1635756	86.68	ppb	92
88) Benzo[a]anthracene	12.567	228	5637160	96.36	ppb	99
89) 3,3'-Dichlorobenzidine	12.583	252	2038530	97.43	ppb	97
90) Chrysene	12.637	228	4855309	95.65	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.754	149	4520240	95.05	ppb	97
93) Di-n-octylphthalate	13.722	149	8126005	95.68	ppb	98
94) Benzo[b]fluoranthene	14.161	252	6539361	104.34	ppb	96
95) Benzo[k]fluoranthene	14.193	252	4529737	88.45	ppb	97
96) Benzo[a]pyrene	14.573	252	5121429	99.11	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.113	276	6322195m	119.23	ppb	
98) Dibenz(a,h)acridine	15.787	279	5368604	100.81	ppb	100
99) Dibenz[a,h]anthracene	16.167	278	4960856	99.14	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.156	256	3020412	104.75	ppb	98
101) Benzo[g,h,i]perylene	16.541	276	5012257	98.44	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:24:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration



Manual Integration Approval Summary

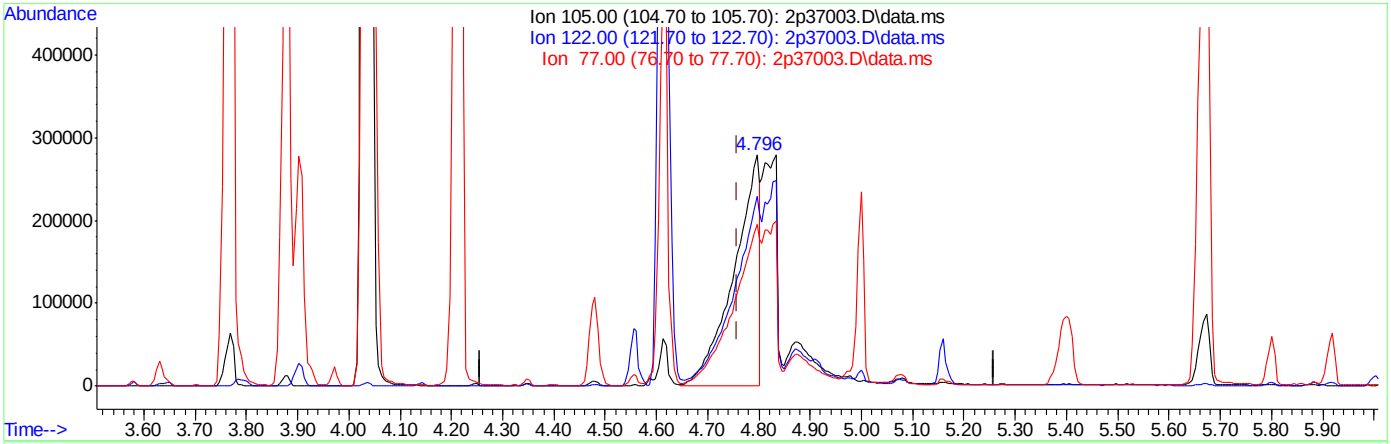
Sample Number:	E2P1539-IC1539	**Method:**	SW846 8270D
Lab FileID:	2P37003.D	**Analyst approved:**	05/29/14 16:36 Olga Azarihn
Injection Time:	05/28/14 21:07	**Supervisor approved:**	05/30/14 13:01 Nina Pandya

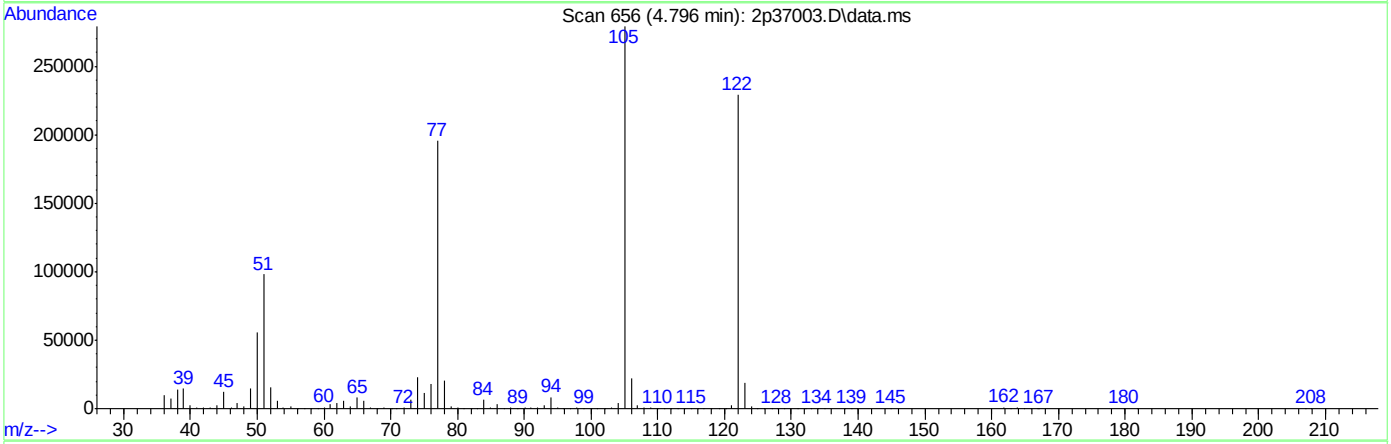
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.83	Poor instrument integration
Caprolactam	105-60-2		5.52	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		16.11	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 08:00:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:00:23 2014
Response via : Initial Calibration





TIC: 2p37003.D\data.ms

(31) Benzoic acid (t)

4.796min (+0.037) 70.24ppb

response 958595

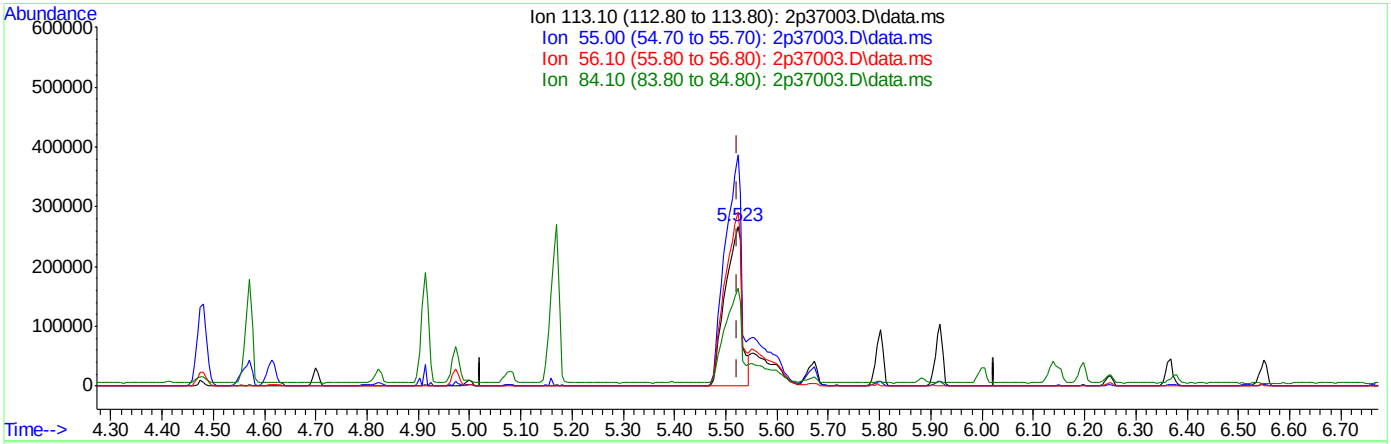
Ion	Exp%	Act%
105.00	100	100
122.00	79.40	77.13
77.00	70.10	67.55
0.00	0.00	0.00

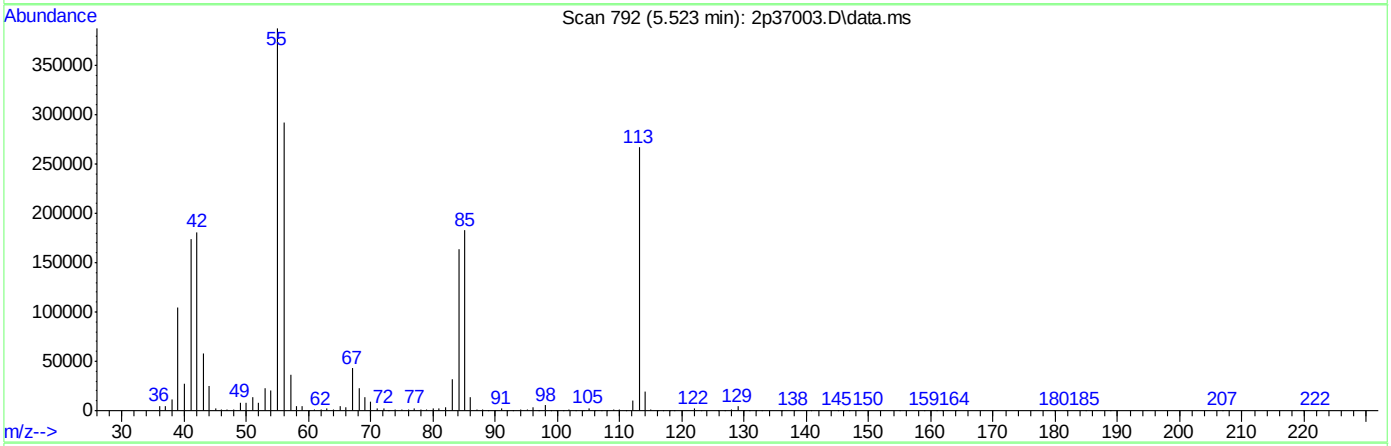
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 08:02:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:02:41 2014
Response via : Initial Calibration





TIC: 2p37003.D\data.ms

(41) Caprolactam (t)

5.523min (0.000) 74.66ppb

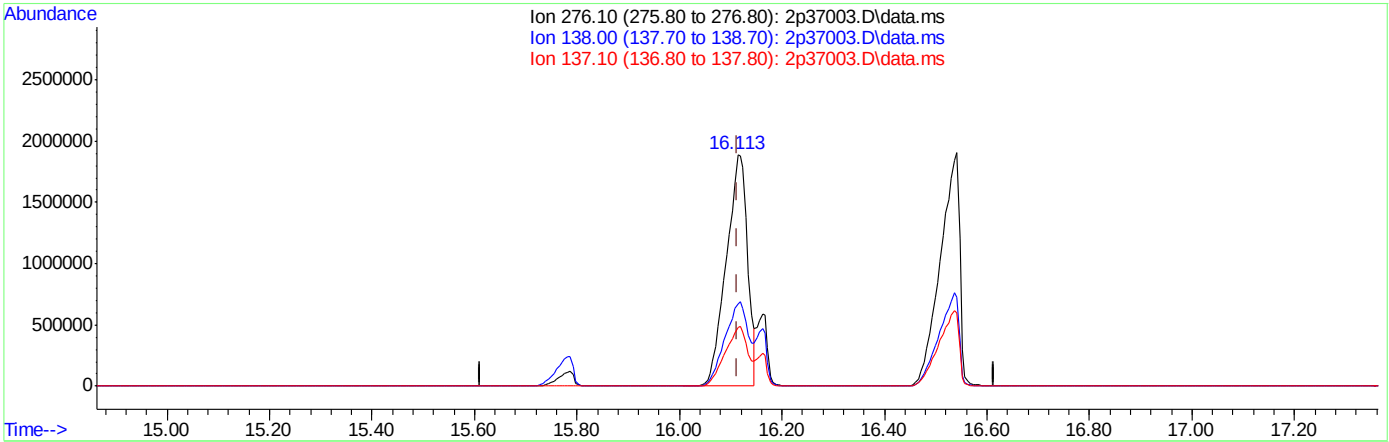
response 610529

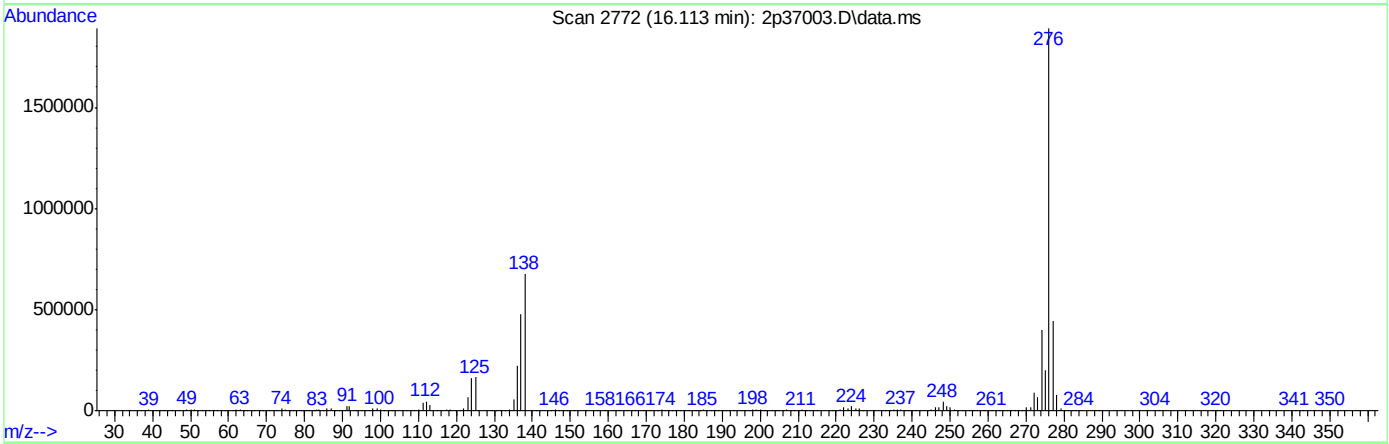
Ion	Exp%	Act%
113.10	100	100
55.00	135.80	144.57
56.10	105.60	109.24
84.10	56.30	59.34

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 08:04:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:02:41 2014
Response via : Initial Calibration





TIC: 2p37003.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.113min (0.000) 104.71ppb

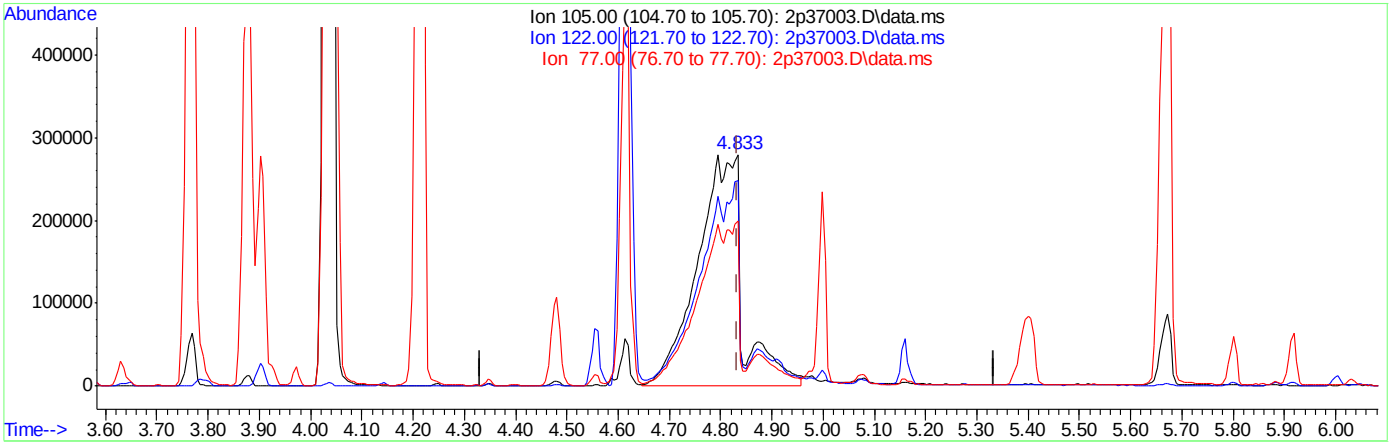
response 5466705

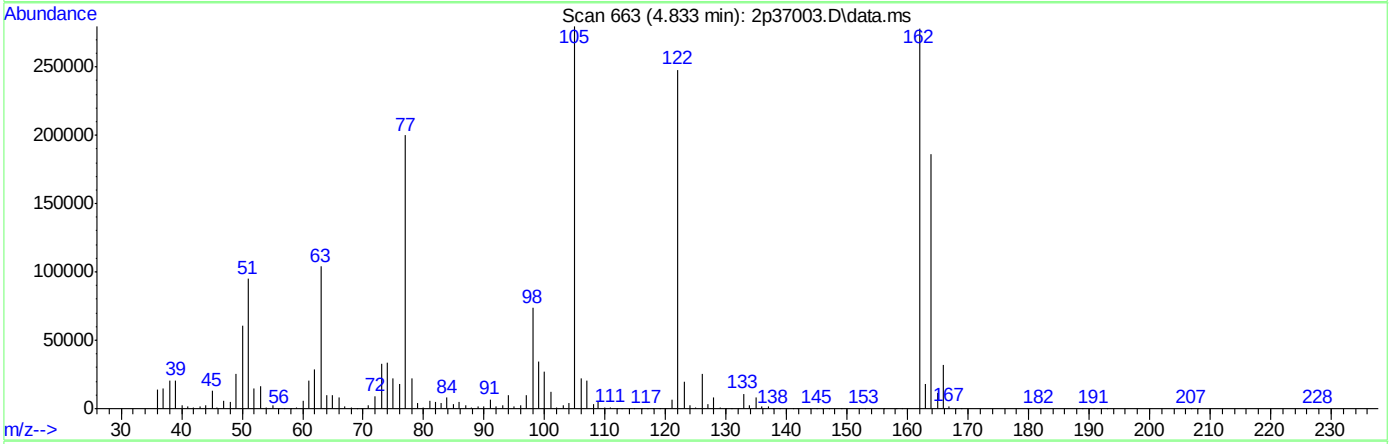
Ion	Exp%	Act%
276.10	100	100
138.00	33.50	30.17
137.10	24.20	22.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:06:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration





TIC: 2p37003.D\data.ms

(31) Benzoic acid (t)

4.833min (0.000) 109.43ppb m

response 1713939

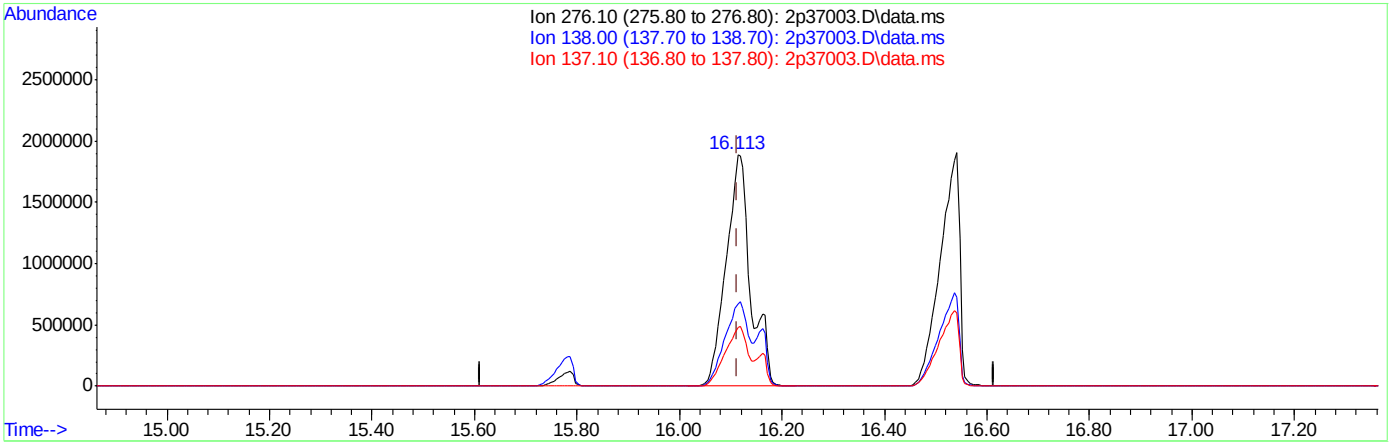
Ion	Exp%	Act%
105.00	100	100
122.00	81.40	88.72
77.00	71.00	71.53
0.00	0.00	0.00

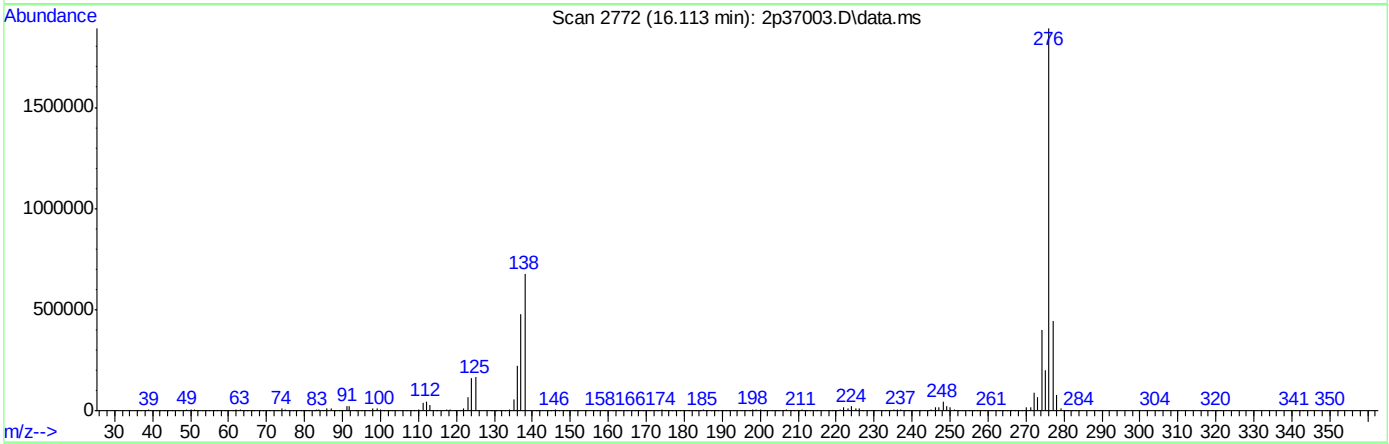
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:06:49 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration





TIC: 2p37003.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.113min (0.000) 119.23ppb m

response 6322195

Ion	Exp%	Act%
276.10	100	100
138.00	33.50	35.69
137.10	24.20	25.13
0.00	0.00	0.00

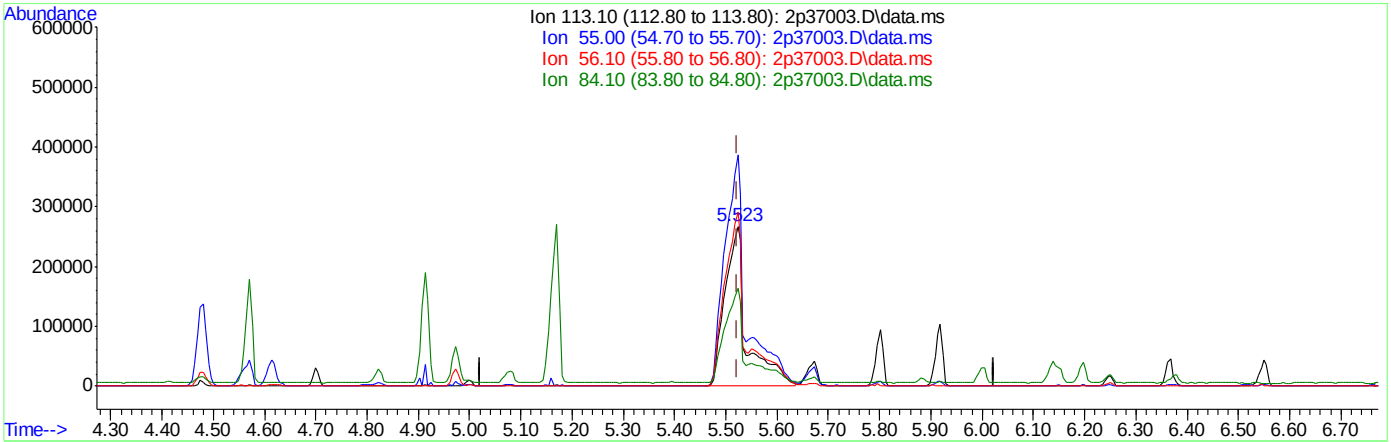
9.6.3.6

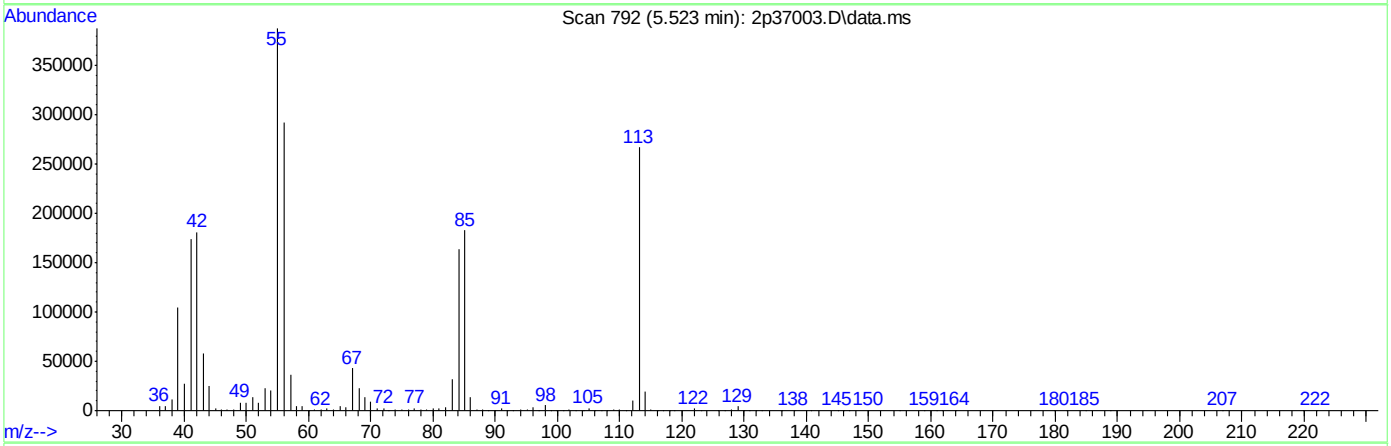
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37003.D
Acq On : 28 May 2014 9:07 pm
Operator : ashleyd
Sample : ic1539-100
Misc : op75027,e2p1539
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 16:24:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:06:08 2014
Response via : Initial Calibration





TIC: 2p37003.D\data.ms

(41) Caprolactam (t)

5.523min (0.000) 97.35ppb m

response 786907

Ion	Exp%	Act%
113.10	100	100
55.00	135.80	145.13
56.10	105.60	109.25
84.10	56.30	61.39

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:26:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.630	152	669837	40.00	ppb		0.00
24) Naphthalene-d8	4.972	136	2568866	40.00	ppb		0.00
47) Acenaphthene-d10	7.037	164	1359866	40.00	ppb		0.00
69) Phenanthrene-d10	8.834	188	2090390	40.00	ppb		0.00
83) Chrysene-d12	12.583	240	1964184	40.00	ppb		0.00
92) Perylene-d12	14.637	264	1719721	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.630	152	669837	40.00	ppb		0.00
104) Acenaphthene-d10a	7.037	164	1359866	40.00	ppb		0.00
107) Chrysene-d12a	12.583	240	1964184	40.00	ppb		0.00
110) Phenanthrene-d10a	8.834	188	2090390	40.00	ppb		0.00
112) Naphthalene-d8a	4.972	136	2568866	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.528	112	1848478	80.45	ppb		0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 160.90%#				
8) Phenol-d5	3.277	99	2158566	79.49	ppb		0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 158.98%#				
25) Nitrobenzene-d5	4.191	82	1722783	78.19	ppb		0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 156.38%#				
51) 2-Fluorobiphenyl	6.245	172	3191827	78.96	ppb		0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 157.92%#				
73) 2,4,6-Tribromophenol	7.989	330	450629	87.39	ppb		0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 174.78%#				
85) Terphenyl-d14	11.048	244	3210581	81.22	ppb		0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 162.44%#				
108) 1-chlorooctadecane	0.000	57	0d	0.00	ppb		
111) O-terphenyl	0.000	230	0	0.00	ppb		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.619	88	794023	79.49	ppb		98
3) Pyridine	1.779	79	2031872	80.11	ppb		99
4) N-Nitrosodimethylamine	1.752	74	1023058	79.77	ppb		98
6) Indene	3.886	116	3128303	75.60	ppb		100
7) Cumene	2.929	105	4804405	77.51	ppb		99
9) Phenol	3.293	94	2213236	77.42	ppb		98
10) Aniline	3.319	93	2175300	75.78	ppb		98
11) bis(2-Chloroethyl)ether	3.378	93	1558806	78.32	ppb		96
12) 2-Chlorophenol	3.437	128	1879550	77.63	ppb		94
13) Decane	3.480	57	1738876	73.39	ppb		97
14) 1,3-Dichlorobenzene	3.576	146	2062635	78.04	ppb		99
15) 1,4-Dichlorobenzene	3.646	146	2045082	78.56	ppb		99
16) Benzyl alcohol	3.763	108	1180794	78.90	ppb		99
17) 1,2-Dichlorobenzene	3.801	146	1869421	77.21	ppb		100
18) Acetophenone	4.036	105	2554408	75.15	ppb		98
19) 2-Methylphenol	3.876	108	1547440	77.84	ppb		100
20) 2,2'-oxybis(1-Chloropr...	3.902	121	484595	77.64	ppb	#	83
21) 3&4-Methylphenol	4.041	108	1564602	76.31	ppb		99
22) n-Nitroso-di-n-propyla...	4.041	70	1019812	85.98	ppb		98
23) Hexachloroethane	4.143	201	656584	80.29	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:26:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Nitrobenzene	4.213	77	1714007	77.12	ppb	97
27) Quinoline	5.395	129	4195080	79.01	ppb	100
28) Isophorone	4.475	82	3002356	77.17	ppb	100
29) 2-Nitrophenol	4.555	139	999243	79.45	ppb	96
30) 2,4-Dimethylphenol	4.614	107	1609526	78.77	ppb	96
31) Benzoic acid	4.812	105	1371039m	88.27	ppb	
32) bis(2-Chloroethoxy)met...	4.715	93	1857935	77.66	ppb	100
33) 2,4-Dichlorophenol	4.822	162	1463393	79.91	ppb	97
34) 2,6-Dichlorophenol	5.079	162	1353219	78.29	ppb	96
35) 1,3,5-Trichlorobenzene	4.571	180	1836566	78.22	ppb	99
36) 1,2,4-Trichlorobenzene	4.913	180	1560787	78.48	ppb	99
37) 1,2,3-Trichlorobenzene	5.165	180	1681823	77.52	ppb	99
38) Naphthalene	4.999	128	4813041	74.65	ppb	99
39) 4-Chloroaniline	5.068	127	2123436	76.24	ppb	99
40) 2,3-Dichloroaniline	6.133	161	2051932	78.79	ppb	99
41) Caprolactam	5.507	113	632963m	79.25	ppb	
42) Hexachlorobutadiene	5.154	225	769014	79.22	ppb	98
43) 4-Chloro-3-methylphenol	5.667	107	1552779	78.76	ppb	93
44) 2-Methylnaphthalene	5.801	141	2984796	77.99	ppb	98
45) 1-Methylnaphthalene	5.914	141	3291229	76.48	ppb	100
46) Dimethylnaphthalene	6.545	156	3172515	76.33	ppb	100
48) Hexachlorocyclopentadiene	5.999	237	1792105	160.85	ppb	98
49) 2,4,6-Trichlorophenol	6.149	196	940361	80.23	ppb	99
50) 2,4,5-Trichlorophenol	6.192	196	1049716	81.01	ppb	98
52) 2-Chloronaphthalene	6.373	162	2819334	75.38	ppb	99
53) Biphenyl	6.363	154	4185757	75.50	ppb	99
54) 2-Nitroaniline	6.513	65	932704	77.99	ppb	95
55) Dimethylphthalate	6.753	163	3325167	78.81	ppb	100
56) Acenaphthylene	6.866	152	4950554	77.23	ppb	99
57) 2,6-Dinitrotoluene	6.812	165	784655	79.85	ppb	95
58) 3-Nitroaniline	7.005	138	1021509	79.55	ppb	96
59) Acenaphthene	7.080	153	3081785	77.58	ppb	97
60) 2,4-Dinitrophenol	7.133	184	871861	175.65	ppb	97
61) 4-Nitrophenol	7.240	109	518196	79.77	ppb	96
62) Dibenzofuran	7.288	168	3946313	77.15	ppb	99
63) 2,4-Dinitrotoluene	7.293	165	1009770	77.76	ppb	83
64) 2,3,4,6-Tetrachlorophenol	7.443	232	789592	83.28	ppb	96
65) Diethylphthalate	7.614	149	3520884	78.79	ppb	99
66) Fluorene	7.700	166	3360269	78.69	ppb	99
67) 4-Chlorophenyl-phenyle...	7.716	204	1376633	79.01	ppb	94
68) 4-Nitroaniline	7.759	138	962657	78.48	ppb	96
70) 4,6-Dinitro-2-methylph...	7.786	198	530224	81.25	ppb	99
71) n-Nitrosodiphenylamine	7.866	169	2251225	79.51	ppb	99
72) 1,2-Diphenylhydrazine	7.909	77	3257479	75.20	ppb	94
74) 4-Bromophenyl-phenylether	8.304	248	851684	82.72	ppb	93
75) Hexachlorobenzene	8.369	284	1007641	83.78	ppb	96
76) Pentachlorophenol	8.620	266	1339519	171.45	ppb	99
77) Phenanthrene	8.871	178	4536040	77.99	ppb	99
78) Anthracene	8.935	178	4617481	79.03	ppb	99
79) Carbazole	9.155	167	5346476	78.39	ppb	100

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:26:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.674	149	5975851	77.57	ppb	99
81) Fluoranthene	10.460	202	5164093	79.93	ppb	99
82) Octadecane	8.791	43	1321866	72.58	ppb	98
84) Pyrene	10.775	202	5320537	78.37	ppb	100
86) Butylbenzylphthalate	11.824	149	2802682	79.11	ppb	99
87) Butyl stearate	11.990	56	1366180	73.74	ppb	95
88) Benzo[a]anthracene	12.562	228	4608977	80.26	ppb	99
89) 3,3'-Dichlorobenzidine	12.578	252	1685236	82.05	ppb	96
90) Chrysene	12.626	228	3979942	79.87	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.749	149	3675585	78.73	ppb	98
93) Di-n-octylphthalate	13.717	149	6719227	80.76	ppb	98
94) Benzo[b]fluoranthene	14.145	252	5070574	82.58	ppb	96
95) Benzo[k]fluoranthene	14.182	252	3928363	78.30	ppb	98
96) Benzo[a]pyrene	14.568	252	4094615	80.88	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.113	276	5027344m	96.77	ppb	
98) Dibenz(a,h)acridine	15.782	279	4325964	82.92	ppb	99
99) Dibenz[a,h]anthracene	16.151	278	4008366	81.76	ppb	99
100) 7,12-Dimethylbenz(a)an...	14.145	256	2432147	86.09	ppb	98
101) Benzo[g,h,i]perylene	16.531	276	4054424	81.28	ppb	96

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

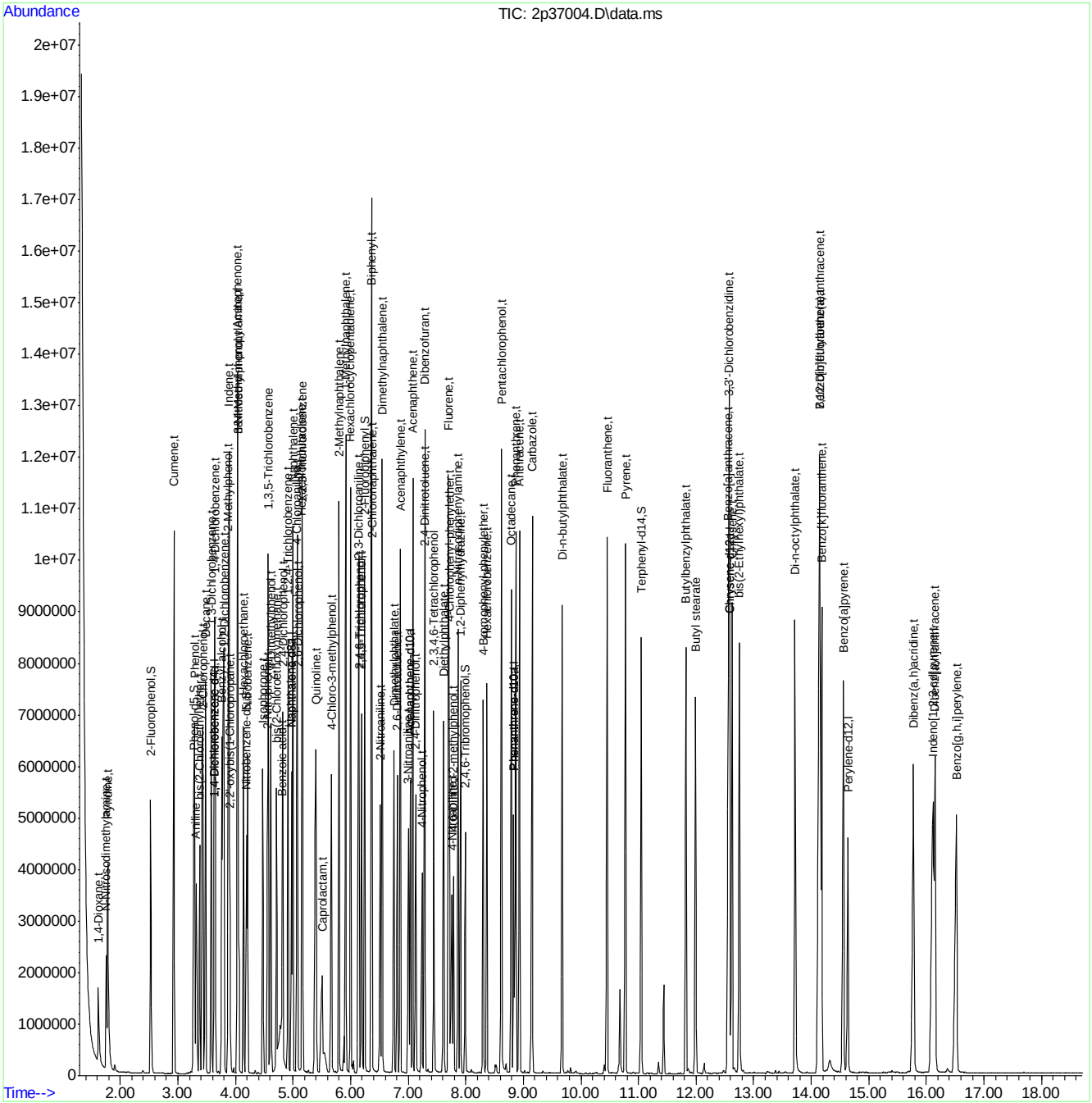
9.6.4

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:26:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration



Manual Integration Approval Summary

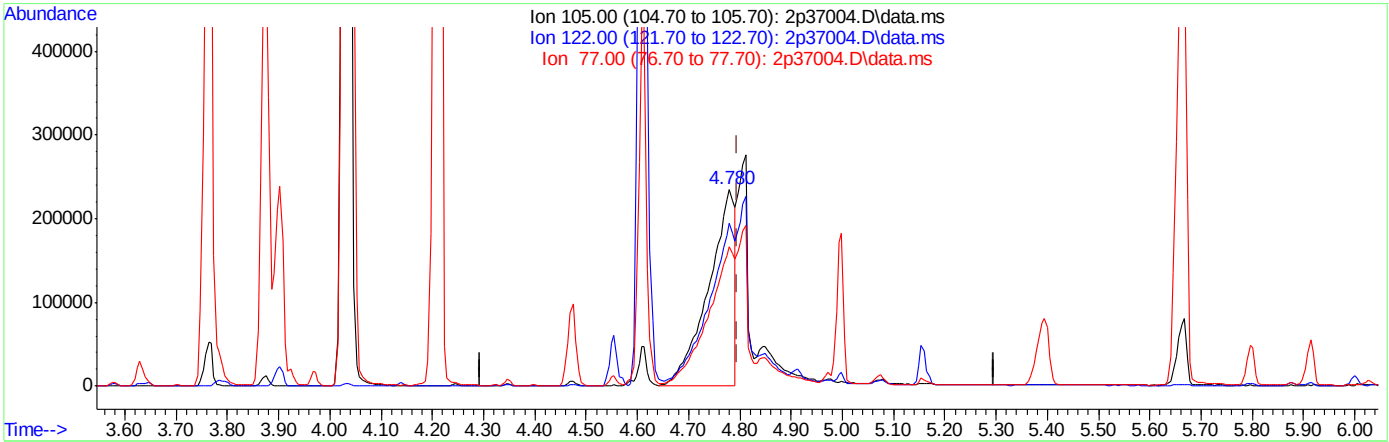
Sample Number: E2P1539-IC1539 **Method:** SW846 8270D
Lab FileID: 2P37004.D **Analyst approved:** 05/29/14 16:36 Olga Azarihn
Injection Time: 05/28/14 21:30 **Supervisor approved:** 05/30/14 13:01 Nina Pandya

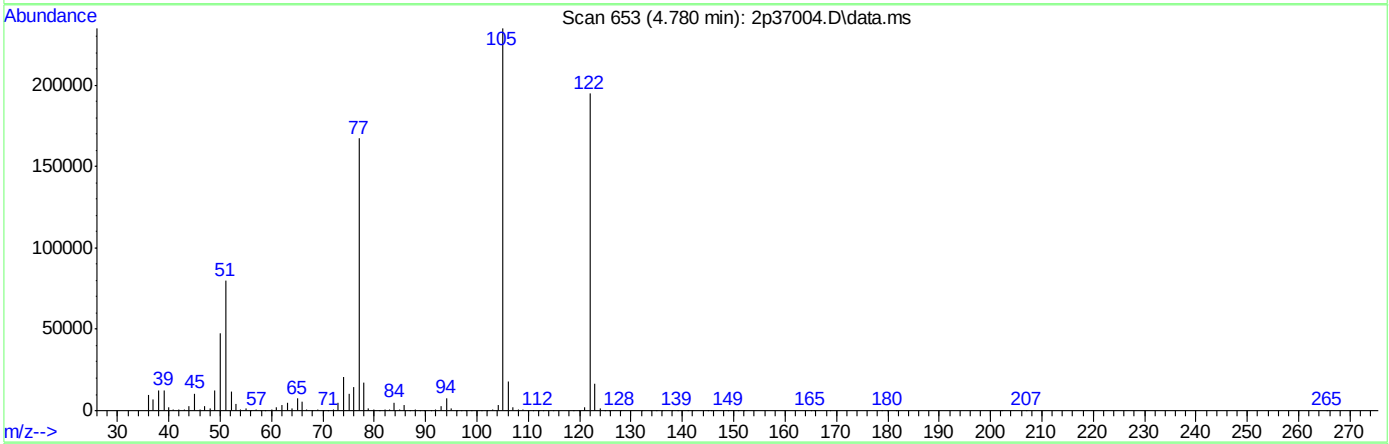
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		4.81	Poor instrument integration
Caprolactam	105-60-2		5.51	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		16.11	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:05:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:04:54 2014
Response via : Initial Calibration





TIC: 2p37004.D\data.ms

(31) Benzoic acid (t)

4.780min (-0.016) 56.47ppb

response 829355

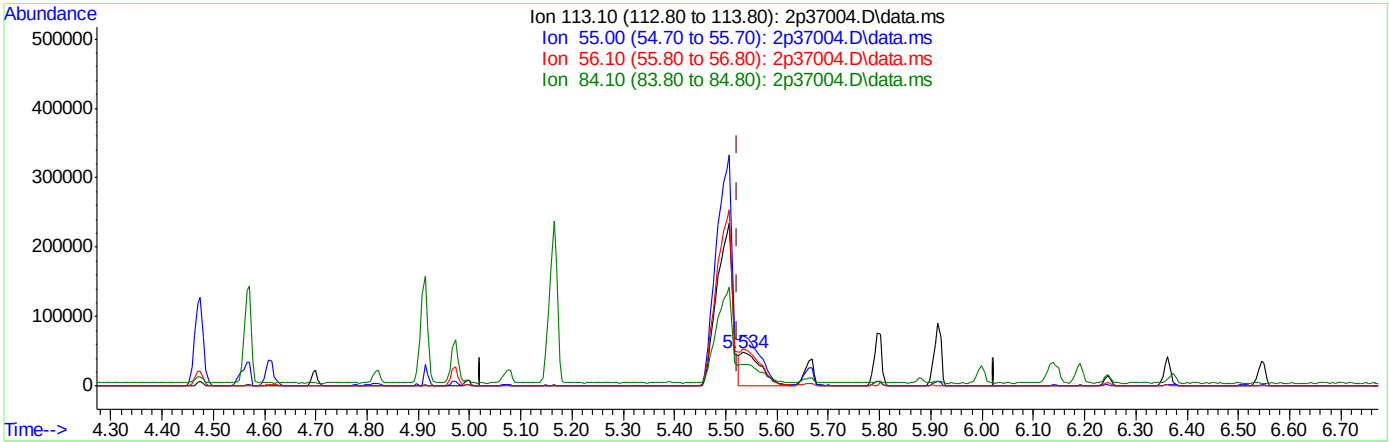
Ion	Exp%	Act%
105.00	100	100
122.00	79.40	80.81
77.00	70.10	70.24
0.00	0.00	0.00

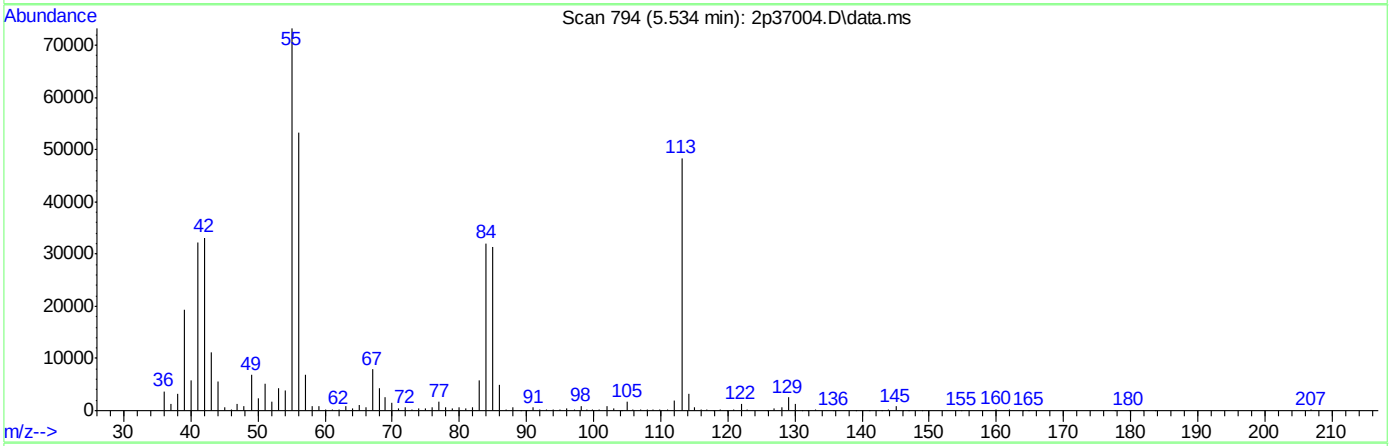
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:05:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:04:54 2014
Response via : Initial Calibration





TIC: 2p37004.D\data.ms

(41) Caprolactam (t)

5.534min (+0.011) 17.06ppb

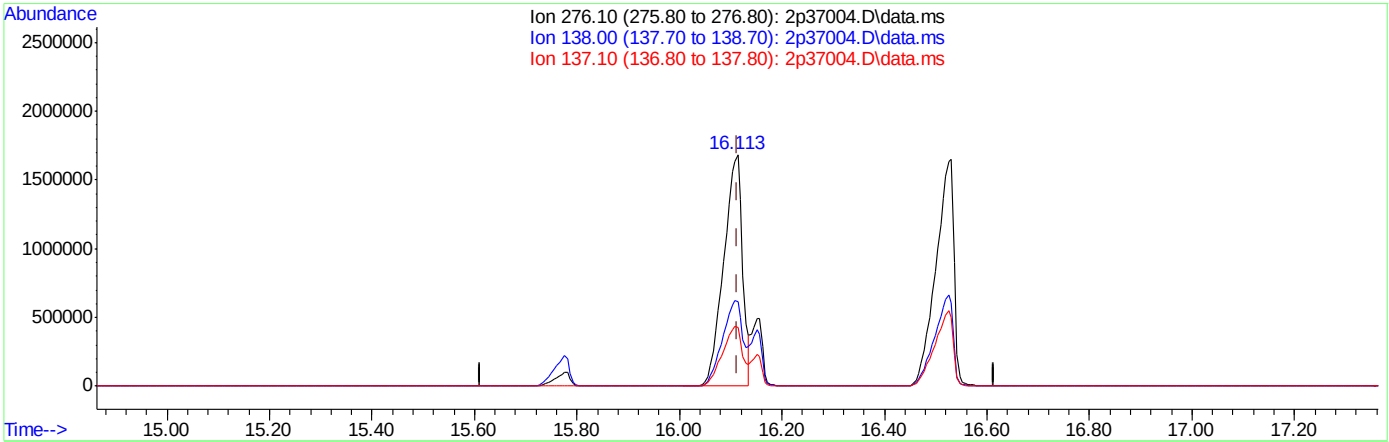
response 136286

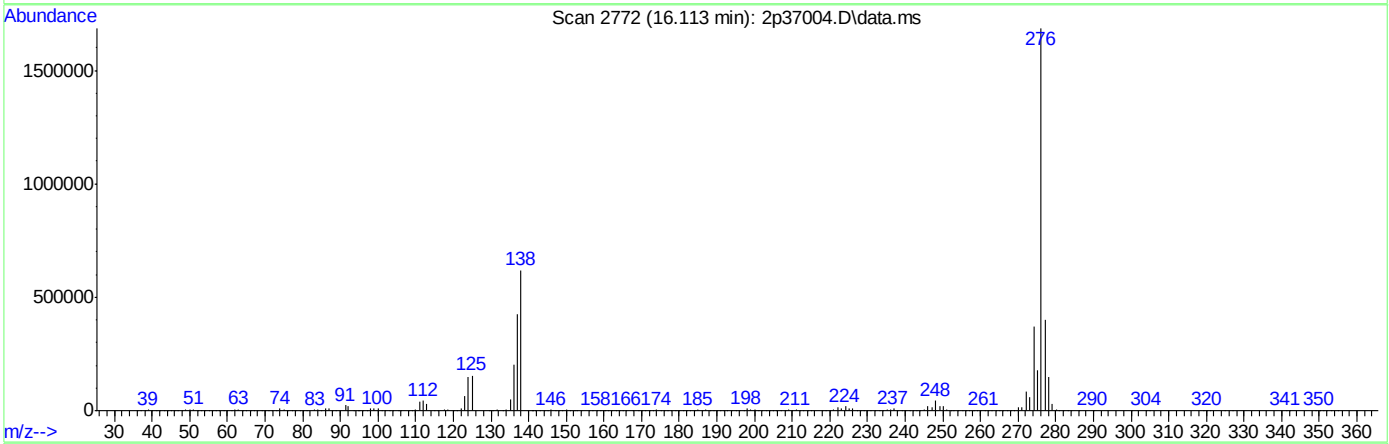
Ion	Exp%	Act%
113.10	100	100
55.00	135.80	152.88
56.10	105.60	109.73
84.10	56.30	55.74

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:05:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:04:54 2014
Response via : Initial Calibration





TIC: 2p37004.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.113min (+0.000) 82.87ppb

response 4305017

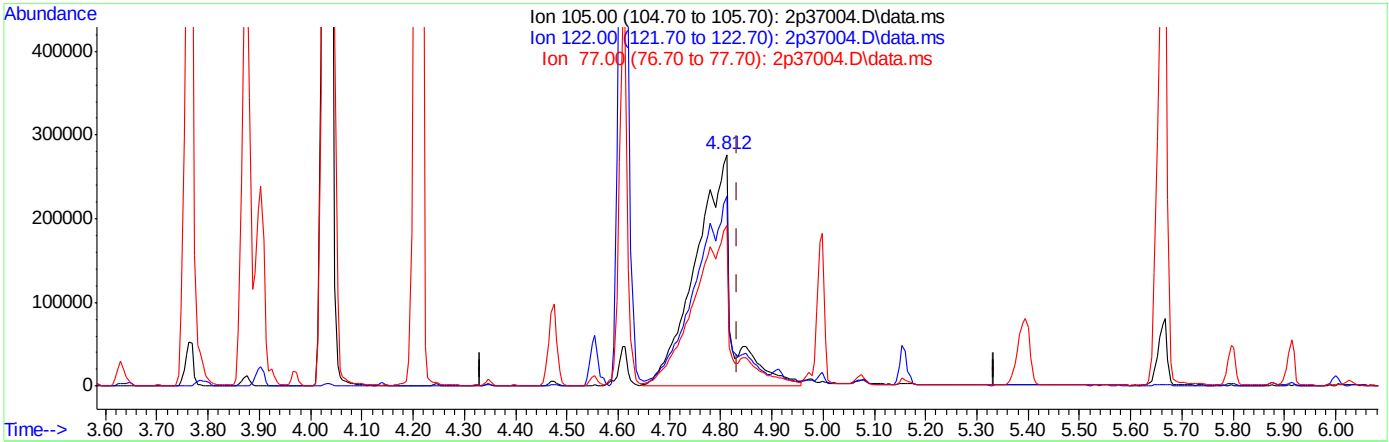
Ion	Exp%	Act%
276.10	100	100
138.00	33.50	31.57
137.10	24.20	22.99
0.00	0.00	0.00

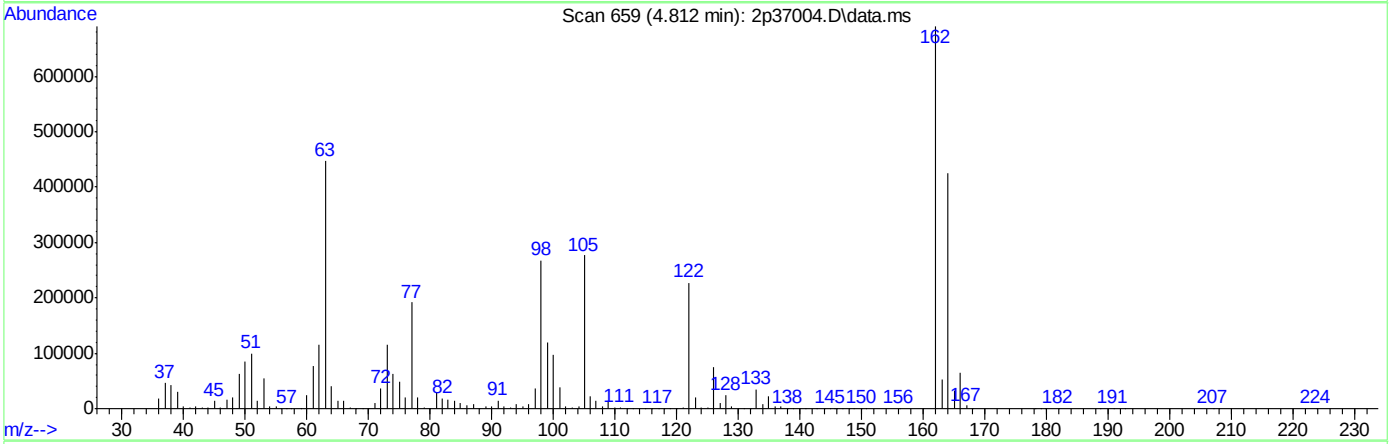
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:08:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration





TIC: 2p37004.D\data.ms

(31) Benzoic acid (t)

4.812min (-0.021) 88.27ppb m

response 1371039

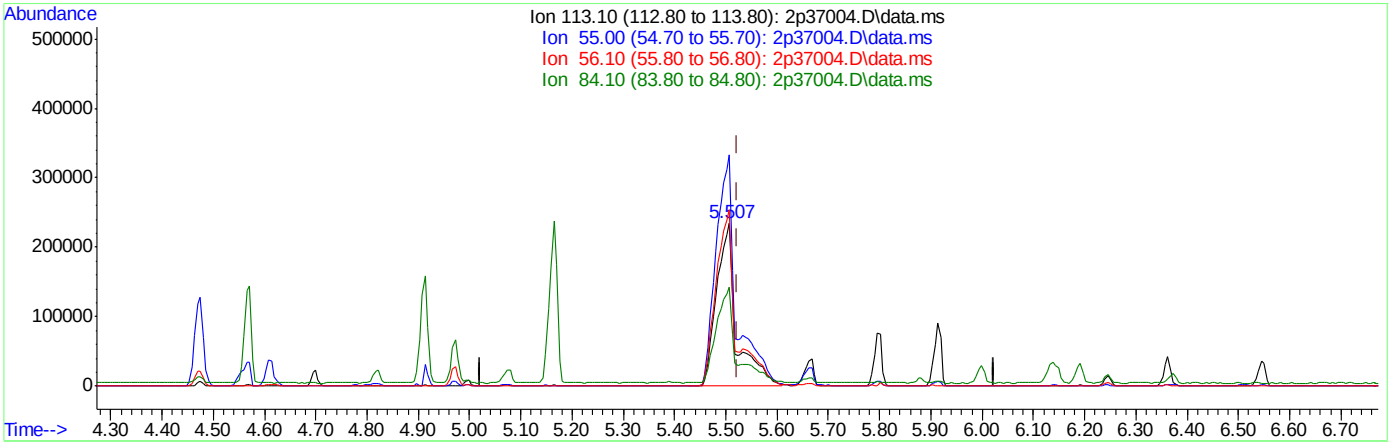
Ion	Exp%	Act%
105.00	100	100
122.00	81.40	81.97
77.00	71.00	69.20
0.00	0.00	0.00

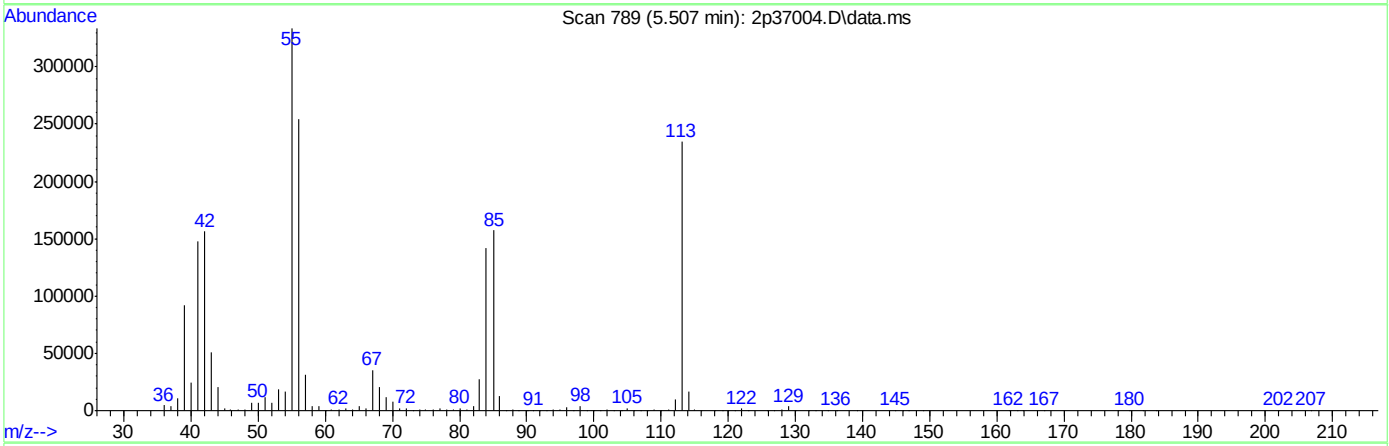
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:08:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration





TIC: 2p37004.D\data.ms

(41) Caprolactam (t)

5.507min (-0.016) 79.25ppb m

response 632963

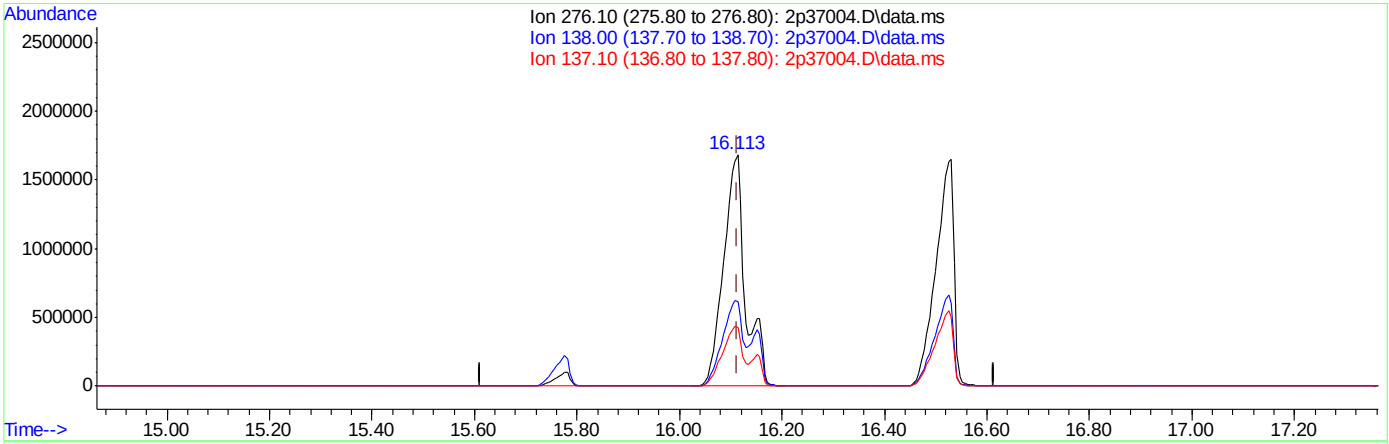
Ion	Exp%	Act%
113.10	100	100
55.00	135.80	142.13
56.10	105.60	108.29
84.10	56.30	60.59

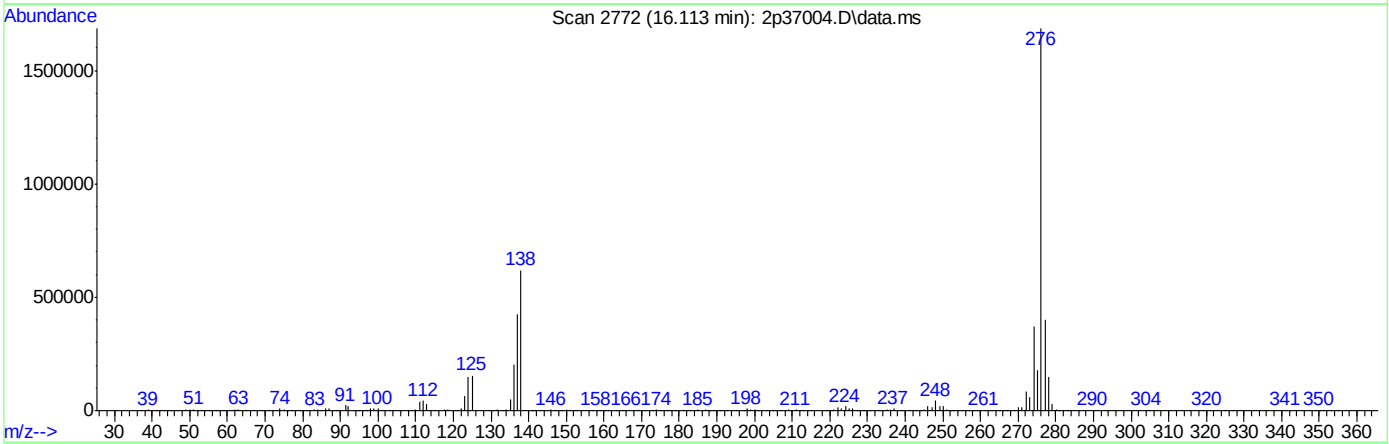
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37004.D
Acq On : 28 May 2014 9:30 pm
Operator : ashleyd
Sample : ic1539-80
Misc : op75027,e2p1539
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 16:08:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:07:01 2014
Response via : Initial Calibration





TIC: 2p37004.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.113min (+0.000) 96.77ppb m

response 5027344

Ion	Exp%	Act%
276.10	100	100
138.00	33.50	36.67
137.10	24.20	25.12
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37005.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : ic1539-10
Misc : op75027,e2p1539
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 09:18:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:14:50 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	693030	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2553161	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1348972	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	2105693	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1935668	40.00	ppb	-0.01
92) Perylene-d12	14.626	264	1675467	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	693030	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1348972	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1935668	40.00	ppb	-0.01
110) Phenanthrene-d10a	8.828	188	2105693	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2553161	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.522	112	234378	9.89	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 19.78%			
8) Phenol-d5	3.260	99	287098	10.02	ppb	-0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 20.04%			
25) Nitrobenzene-d5	4.180	82	232796	10.21	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 20.42%			
51) 2-Fluorobiphenyl	6.240	172	433803	10.24	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 20.48%#			
73) 2,4,6-Tribromophenol	7.978	330	41591	8.51	ppb	-0.01
Spiked Amount 50.000	Range 12 - 68		Recovery = 17.02%			
85) Terphenyl-d14	11.037	244	383523	9.96	ppb	-0.01
Spiked Amount 50.000	Range 16 - 65		Recovery = 19.92%			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.624	88	107469	10.39	ppb	99
3) Pyridine	1.779	79	265261	9.96	ppb	97
4) N-Nitrosodimethylamine	1.752	74	130297	9.78	ppb	96
6) Indene	3.881	116	471971	10.35	ppb	98
7) Cumene	2.929	105	659626	10.07	ppb	99
9) Phenol	3.276	94	306802	9.99	ppb	97
10) Aniline	3.314	93	339229	10.36	ppb	99
11) bis(2-Chloroethyl)ether	3.367	93	216001	10.09	ppb	98
12) 2-Chlorophenol	3.426	128	265729	10.15	ppb	98
13) Decane	3.474	57	282658	10.66	ppb	96
14) 1,3-Dichlorobenzene	3.576	146	284137	10.03	ppb	99
15) 1,4-Dichlorobenzene	3.640	146	280695	10.00	ppb	99
16) Benzyl alcohol	3.752	108	157657	10.06	ppb	99
17) 1,2-Dichlorobenzene	3.795	146	268226	10.18	ppb	99
18) Acetophenone	4.020	105	390693	10.41	ppb	89
19) 2-Methylphenol	3.865	108	221973	10.36	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.897	121	69778	10.23	ppb	91
21) 3&4-Methylphenol	4.020	108	229743	10.31	ppb	97
22) n-Nitroso-di-n-propyla...	4.025	70	152153	10.79	ppb	94
23) Hexachloroethane	4.138	201	85640	9.81	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37005.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : ic1539-10
Misc : op75027,e2p1539
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 09:18:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:14:50 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Nitrobenzene	4.196	77	245163	10.45	ppb	98
27) Quinoline	5.368	129	554838	10.22	ppb	99
28) Isophorone	4.453	82	415839	10.38	ppb	97
29) 2-Nitrophenol	4.544	139	123780	10.14	ppb	94
30) 2,4-Dimethylphenol	4.598	107	188141	9.94	ppb	99
31) Benzoic acid	4.699	105	96871	9.72	ppb	98
32) bis(2-Chloroethoxy)met...	4.705	93	254741	10.25	ppb	100
33) 2,4-Dichlorophenol	4.806	162	188269	10.16	ppb	98
34) 2,6-Dichlorophenol	5.063	162	181515	10.33	ppb	99
35) 1,3,5-Trichlorobenzene	4.560	180	253810	10.36	ppb	99
36) 1,2,4-Trichlorobenzene	4.908	180	210203	10.17	ppb	98
37) 1,2,3-Trichlorobenzene	5.154	180	233992	10.30	ppb	98
38) Naphthalene	4.988	128	698520	10.25	ppb	99
39) 4-Chloroaniline	5.052	127	307136	10.37	ppb	96
40) 2,3-Dichloroaniline	6.127	161	271884	10.17	ppb	98
41) Caprolactam	5.427	113	77946	10.19	ppb	97
42) Hexachlorobutadiene	5.148	225	101585	10.10	ppb	99
43) 4-Chloro-3-methylphenol	5.635	107	201126	10.25	ppb	94
44) 2-Methylnaphthalene	5.790	141	406751	10.29	ppb	98
45) 1-Methylnaphthalene	5.903	141	462805	10.36	ppb	99
46) Dimethylnaphthalene	6.534	156	443284	10.25	ppb	99
48) Hexachlorocyclopentadiene	5.994	237	195158	19.98	ppb	99
49) 2,4,6-Trichlorophenol	6.133	196	116534	10.34	ppb	97
50) 2,4,5-Trichlorophenol	6.170	196	130318	10.37	ppb	97
52) 2-Chloronaphthalene	6.363	162	420500	10.51	ppb	98
53) Biphenyl	6.352	154	622207	10.57	ppb	98
54) 2-Nitroaniline	6.491	65	119351	10.35	ppb	98
55) Dimethylphthalate	6.737	163	439837	10.05	ppb	98
56) Acenaphthylene	6.849	152	676939	10.28	ppb	99
57) 2,6-Dinitrotoluene	6.791	165	97934	10.52	ppb	98
58) 3-Nitroaniline	6.983	138	129717	10.35	ppb	91
59) Acenaphthene	7.063	153	417399	10.18	ppb	100
60) 2,4-Dinitrophenol	7.111	184	53654	21.35	ppb	94
61) 4-Nitrophenol	7.213	109	57917	10.33	ppb	93
62) Dibenzofuran	7.277	168	550996	10.14	ppb	99
63) 2,4-Dinitrotoluene	7.272	165	133159	10.86	ppb	97
64) 2,3,4,6-Tetrachlorophenol	7.432	232	81828	9.99	ppb	98
65) Diethylphthalate	7.598	149	465988	10.21	ppb	100
66) Fluorene	7.684	166	452024	10.26	ppb	97
67) 4-Chlorophenyl-phenyle...	7.705	204	185285	10.28	ppb	97
68) 4-Nitroaniline	7.716	138	127170	10.41	ppb	92
70) 4,6-Dinitro-2-methylph...	7.759	198	36117	9.38	ppb	91
71) n-Nitrosodiphenylamine	7.850	169	300126	10.26	ppb	99
72) 1,2-Diphenylhydrazine	7.892	77	481929	10.53	ppb	97
74) 4-Bromophenyl-phenylether	8.293	248	99984	9.69	ppb	98
75) Hexachlorobenzene	8.358	284	117954	9.71	ppb	90
76) Pentachlorophenol	8.604	266	117977	19.61	ppb	99
77) Phenanthrene	8.855	178	618747	10.10	ppb	99
78) Anthracene	8.919	178	612586	10.16	ppb	99
79) Carbazole	9.139	167	718047	10.21	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37005.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : ic1539-10
Misc : op75027,e2p1539
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 09:18:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:14:50 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.663	149	796268	10.46	ppb	99
81) Fluoranthene	10.444	202	657431	10.17	ppb	99
82) Octadecane	8.780	43	212953	11.00	ppb	93
84) Pyrene	10.759	202	687410	10.18	ppb	99
86) Butylbenzylphthalate	11.813	149	331246	10.46	ppb	98
87) Butyl stearate	11.979	56	189047	11.43	ppb	94
88) Benzo[a]anthracene	12.551	228	560781	9.80	ppb	99
89) 3,3'-Dichlorobenzidine	12.556	252	192495	10.43	ppb	98
90) Chrysene	12.604	228	503931	10.10	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.744	149	427403	10.09	ppb	99
93) Di-n-octylphthalate	13.706	149	711151	9.44	ppb	99
94) Benzo[b]fluoranthene	14.107	252	538395	9.88	ppb	99
95) Benzo[k]fluoranthene	14.145	252	529698	10.66	ppb	99
96) Benzo[a]pyrene	14.535	252	486457	10.54	ppb	96
97) Indeno[1,2,3-cd]pyrene	16.065	276	564395m	10.52	ppb	
98) Dibenz(a,h)acridine	15.744	279	470654	9.98	ppb	99
99) Dibenz[a,h]anthracene	16.113	278	459242	10.43	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.113	256	160432	8.50	ppb	97
101) Benzo[g,h,i]perylene	16.472	276	463226	10.31	ppb	97

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

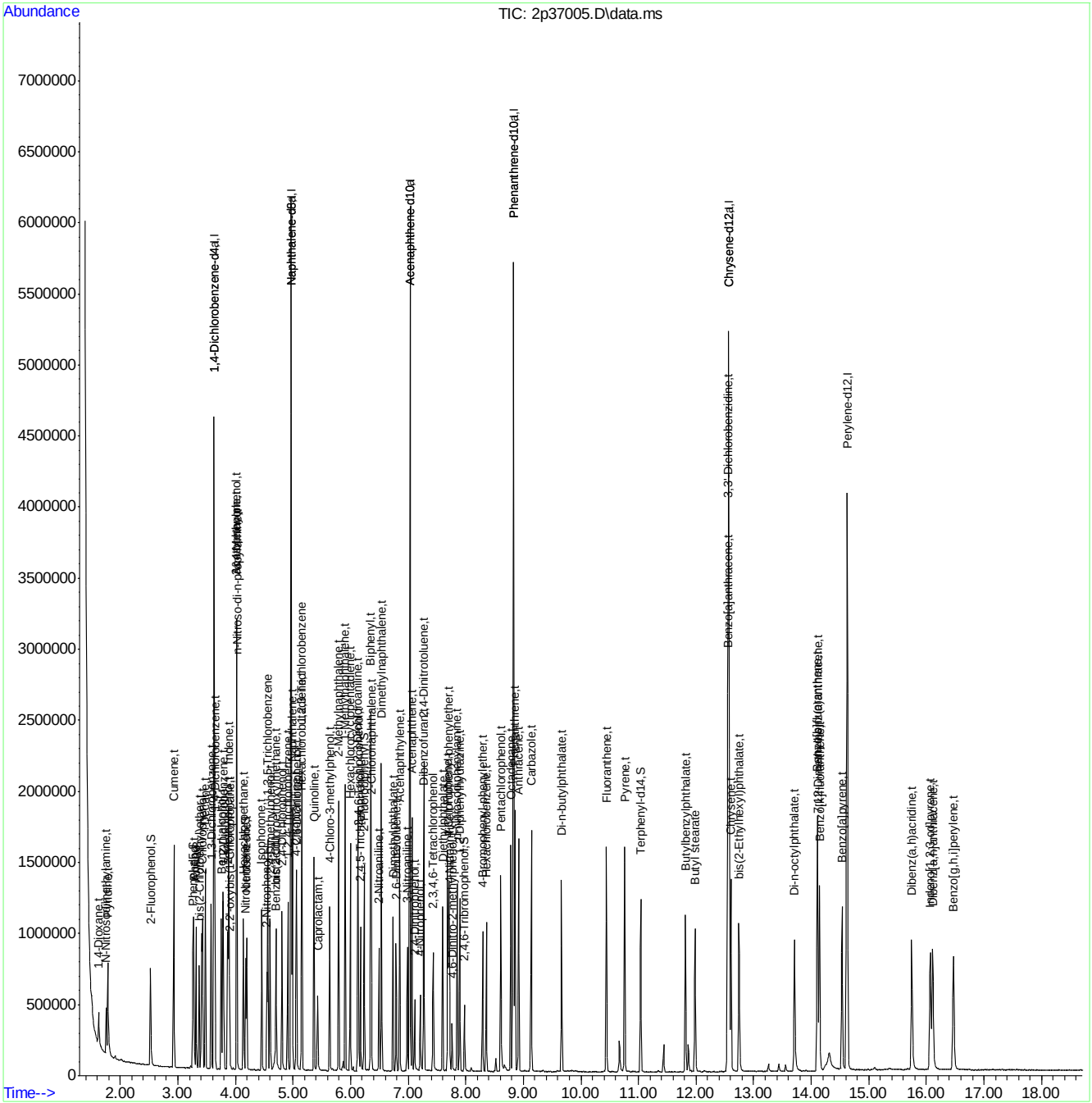
9.6.5

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37005.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : ic1539-10
Misc : op75027,e2p1539
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 09:18:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:14:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Manual Integration Approval Summary

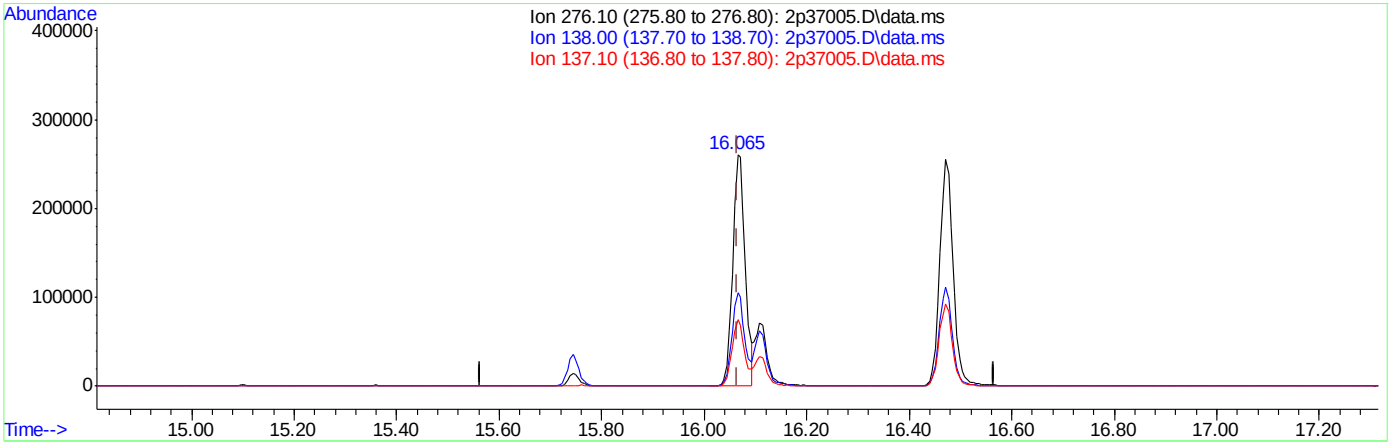
Sample Number:	E2P1539-IC1539	**Method:**	SW846 8270D
Lab FileID:	2P37005.D	**Analyst approved:**	05/30/14 09:38 Olga Azarihn
Injection Time:	05/28/14 21:53	**Supervisor approved:**	05/30/14 13:01 Nina Pandya

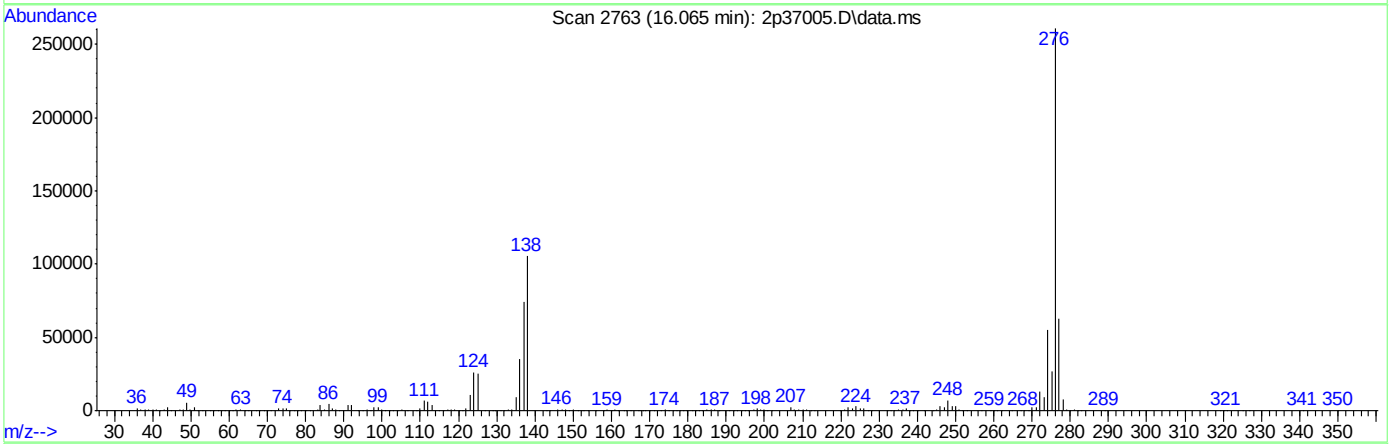
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.07	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37005.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : ic1539-10
Misc : op75027,e2p1539
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 08:07:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:07:11 2014
Response via : Initial Calibration





TIC: 2p37005.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.065min (0.000) 8.65ppb

response 441560

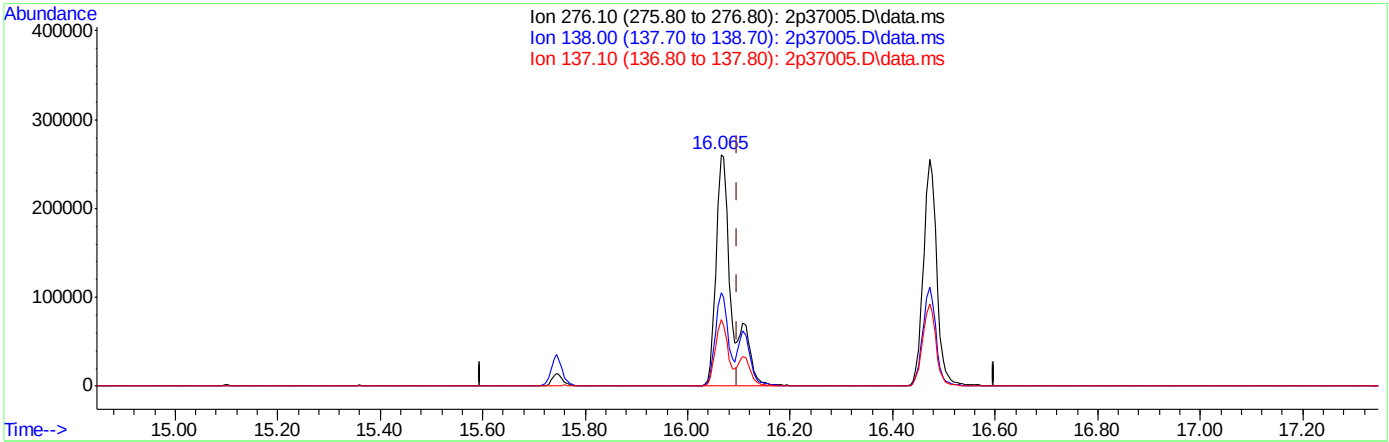
Ion	Exp%	Act%
276.10	100	100
138.00	33.50	38.74
137.10	24.20	27.49
0.00	0.00	0.00

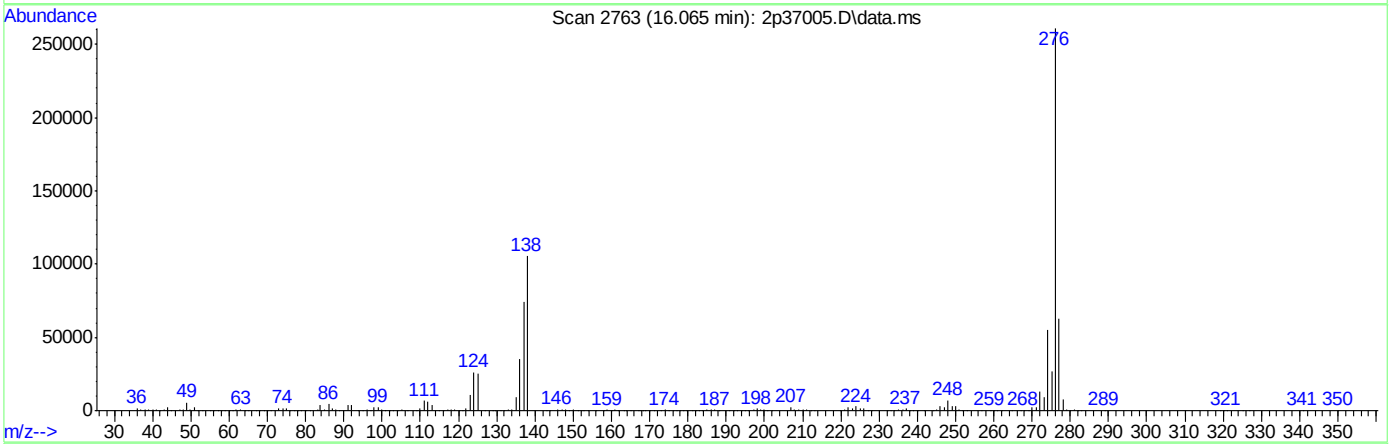
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37005.D
Acq On : 28 May 2014 9:53 pm
Operator : ashleyd
Sample : ic1539-10
Misc : op75027,e2p1539
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 30 09:18:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:14:50 2014
Response via : Initial Calibration





TIC: 2p37005.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.065min (-0.032) 10.52ppb m

response 564395

Ion	Exp%	Act%
276.10	100	100
138.00	37.50	40.42
137.10	25.90	28.58
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37006.D
Acq On : 28 May 2014 10:16 pm
Operator : ashleyd
Sample : ic1539-5
Misc : op75027,e2p1539
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 16:31:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:29:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	765771	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2821897	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1477988	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	2300454	40.00	ppb	0.00
83) Chrysene-d12	12.572	240	2116417	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1830840	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	765771	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1477988	40.00	ppb	0.00
107) Chrysene-d12a	12.572	240	2116417	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	2300454	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2821897	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.522	112	134410	5.13	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 10.26%#			
8) Phenol-d5	3.260	99	164481	5.20	ppb	-0.01
Spiked Amount 50.000	Range 10 - 59		Recovery = 10.40%			
25) Nitrobenzene-d5	4.175	82	134822	5.35	ppb	-0.01
Spiked Amount 50.000	Range 19 - 61		Recovery = 10.70%#			
51) 2-Fluorobiphenyl	6.234	172	249527	5.37	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 10.74%#			
73) 2,4,6-Tribromophenol	7.978	330	21291	3.99	ppb	-0.01
Spiked Amount 50.000	Range 12 - 68		Recovery = 7.98%#			
85) Terphenyl-d14	11.037	244	215214	5.11	ppb	-0.01
Spiked Amount 50.000	Range 16 - 65		Recovery = 10.22%#			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.624	88	60615	5.30	ppb	98
3) Pyridine	1.779	79	149487	5.08	ppb	95
4) N-Nitrosodimethylamine	1.752	74	76736	5.21	ppb	97
6) Indene	3.881	116	278336	5.53	ppb	99
7) Cumene	2.929	105	384716	5.32	ppb	100
9) Phenol	3.277	94	176861	5.21	ppb	100
10) Aniline	3.314	93	200314	5.54	ppb	99
11) bis(2-Chloroethyl)ether	3.367	93	124604	5.27	ppb	98
12) 2-Chlorophenol	3.426	128	152740	5.28	ppb	96
13) Decane	3.474	57	164131	5.60	ppb	95
14) 1,3-Dichlorobenzene	3.576	146	167291	5.34	ppb	100
15) 1,4-Dichlorobenzene	3.640	146	163622	5.27	ppb	100
16) Benzyl alcohol	3.753	108	89300	5.16	ppb	98
17) 1,2-Dichlorobenzene	3.790	146	155993	5.36	ppb	98
18) Acetophenone	4.020	105	226886	5.47	ppb	95
19) 2-Methylphenol	3.865	108	124982	5.28	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.897	121	40711	5.40	ppb	92
21) 3&4-Methylphenol	4.020	108	131269	5.33	ppb	98
22) n-Nitroso-di-n-propyla...	4.025	70	88962	5.71	ppb	96
23) Hexachloroethane	4.138	201	49243	5.11	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37006.D
Acq On : 28 May 2014 10:16 pm
Operator : ashleyd
Sample : ic1539-5
Misc : op75027,e2p1539
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 16:31:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:29:59 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Nitrobenzene	4.197	77	140512	5.42	ppb	99
27) Quinoline	5.362	129	316427	5.28	ppb	100
28) Isophorone	4.453	82	235975	5.33	ppb	97
29) 2-Nitrophenol	4.544	139	67042	4.97	ppb	95
30) 2,4-Dimethylphenol	4.598	107	104690	5.00	ppb	99
31) Benzoic acid	4.678	105	41160	6.29	ppb	95
32) bis(2-Chloroethoxy)met...	4.705	93	147710	5.38	ppb	97
33) 2,4-Dichlorophenol	4.806	162	107454	5.25	ppb	99
34) 2,6-Dichlorophenol	5.063	162	102052	5.26	ppb	99
35) 1,3,5-Trichlorobenzene	4.560	180	145017	5.36	ppb	99
36) 1,2,4-Trichlorobenzene	4.908	180	122202	5.35	ppb	98
37) 1,2,3-Trichlorobenzene	5.154	180	135061	5.38	ppb	99
38) Naphthalene	4.988	128	405159	5.38	ppb	99
39) 4-Chloroaniline	5.052	127	178531	5.46	ppb	97
40) 2,3-Dichloroaniline	6.122	161	154721	5.23	ppb	99
41) Caprolactam	5.416	113	42700	5.05	ppb	92
42) Hexachlorobutadiene	5.149	225	58045	5.22	ppb	97
43) 4-Chloro-3-methylphenol	5.630	107	111605	5.15	ppb	99
44) 2-Methylnaphthalene	5.790	141	232396	5.32	ppb	99
45) 1-Methylnaphthalene	5.903	141	261013	5.29	ppb	99
46) Dimethylnaphthalene	6.534	156	255757	5.35	ppb	98
48) Hexachlorocyclopentadiene	5.994	237	102170	9.55	ppb	99
49) 2,4,6-Trichlorophenol	6.133	196	62716	5.08	ppb	96
50) 2,4,5-Trichlorophenol	6.170	196	70833	5.15	ppb	98
52) 2-Chloronaphthalene	6.363	162	242303	5.53	ppb	97
53) Biphenyl	6.347	154	353524	5.48	ppb	99
54) 2-Nitroaniline	6.491	65	66855	5.29	ppb	95
55) Dimethylphthalate	6.732	163	252789	5.27	ppb	99
56) Acenaphthylene	6.849	152	385874	5.35	ppb	99
57) 2,6-Dinitrotoluene	6.791	165	52333	5.13	ppb	99
58) 3-Nitroaniline	6.983	138	70615	5.14	ppb	97
59) Acenaphthene	7.063	153	236076	5.25	ppb	98
60) 2,4-Dinitrophenol	7.112	184	19953	12.41	ppb	92
61) 4-Nitrophenol	7.208	109	29254	4.76	ppb	96
62) Dibenzofuran	7.272	168	315334	5.30	ppb	98
63) 2,4-Dinitrotoluene	7.272	165	69761	5.19	ppb	96
64) 2,3,4,6-Tetrachlorophenol	7.432	232	41791	4.66	ppb	96
65) Diethylphthalate	7.593	149	262355	5.25	ppb	99
66) Fluorene	7.684	166	253481	5.25	ppb	97
67) 4-Chlorophenyl-phenyle...	7.705	204	105424	5.34	ppb	99
68) 4-Nitroaniline	7.716	138	68988	5.15	ppb	95
70) 4,6-Dinitro-2-methylph...	7.759	198	14893	6.08	ppb	96
71) n-Nitrosodiphenylamine	7.850	169	169019	5.29	ppb	98
72) 1,2-Diphenylhydrazine	7.892	77	272801	5.46	ppb	97
74) 4-Bromophenyl-phenylether	8.294	248	56576	5.02	ppb	96
75) Hexachlorobenzene	8.358	284	66718	5.03	ppb	91
76) Pentachlorophenol	8.604	266	52548	11.15	ppb	98
77) Phenanthrene	8.855	178	347382	5.19	ppb	99
78) Anthracene	8.919	178	344028	5.22	ppb	97
79) Carbazole	9.133	167	408054	5.31	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37006.D
Acq On : 28 May 2014 10:16 pm
Operator : ashleyd
Sample : ic1539-5
Misc : op75027,e2p1539
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 16:31:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:29:59 2014
Response via : Initial Calibration

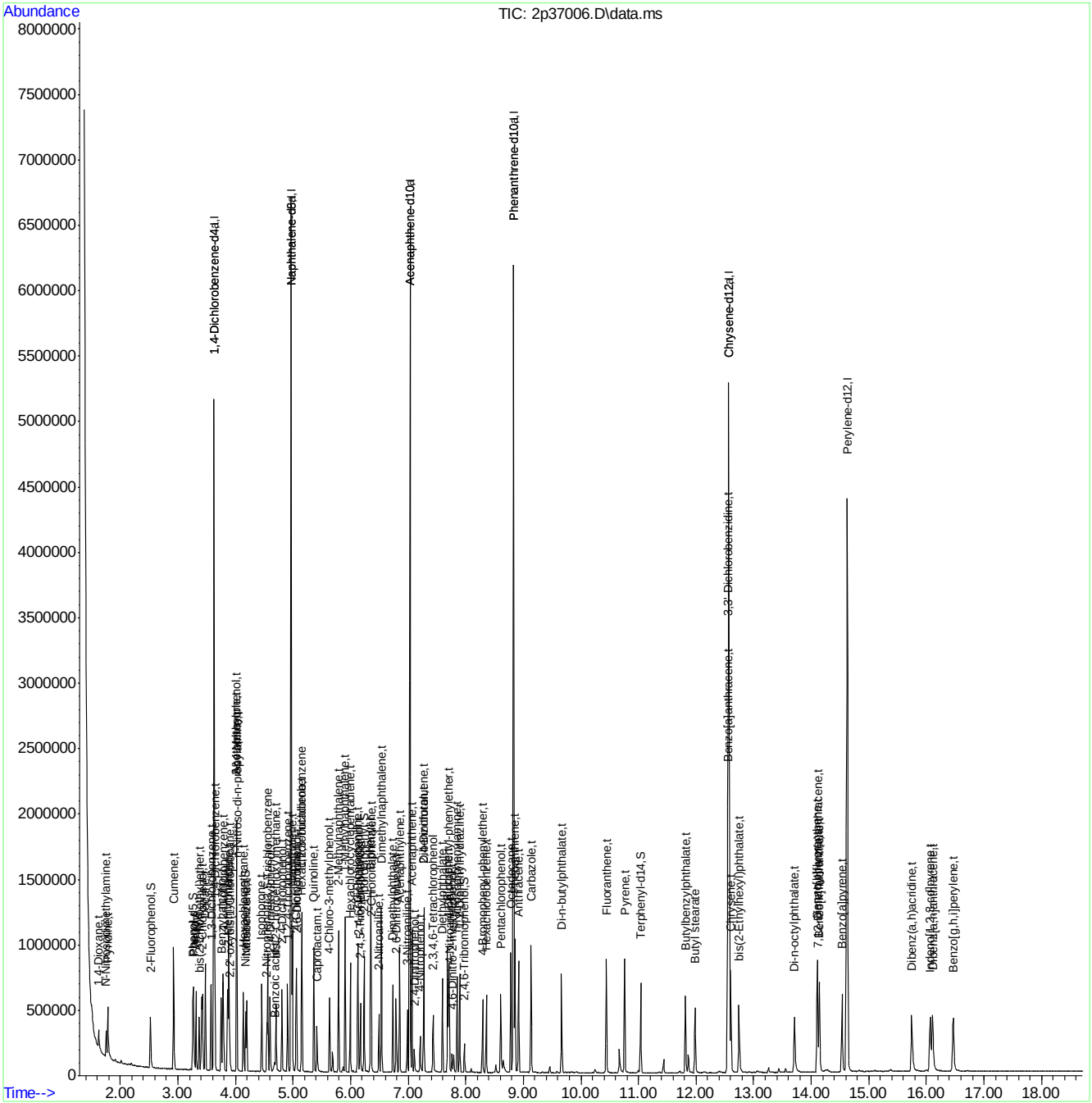
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.663	149	434083	5.22	ppb	99
81) Fluoranthene	10.444	202	358819	5.08	ppb	99
82) Octadecane	8.780	43	117592	5.56	ppb	93
84) Pyrene	10.759	202	384065	5.20	ppb	99
86) Butylbenzylphthalate	11.813	149	174158	5.03	ppb	97
87) Butyl stearate	11.979	56	97039	5.36	ppb	94
88) Benzo[a]anthracene	12.551	228	316447	5.06	ppb	99
89) 3,3'-Dichlorobenzidine	12.556	252	100878	5.00	ppb	92
90) Chrysene	12.605	228	278948	5.11	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.744	149	218859	4.72	ppb	99
93) Di-n-octylphthalate	13.706	149	348104	5.22	ppb	99
94) Benzo[b]fluoranthene	14.102	252	291431	4.90	ppb	99
95) Benzo[k]fluoranthene	14.140	252	291964	5.37	ppb	98
96) Benzo[a]pyrene	14.535	252	255353	5.06	ppb	96
97) Indeno[1,2,3-cd]pyrene	16.065	276	297608m	4.93	ppb	
98) Dibenz(a,h)acridine	15.744	279	235769	4.58	ppb	100
99) Dibenz[a,h]anthracene	16.108	278	241332	5.01	ppb	95
100) 7,12-Dimethylbenz(a)an...	14.113	256	61814	5.12	ppb	99
101) Benzo[g,h,i]perylene	16.466	276	245987	5.01	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37006.D
Acq On : 28 May 2014 10:16 pm
Operator : ashleyd
Sample : ic1539-5
Misc : op75027,e2p1539
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 16:31:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:29:59 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Manual Integration Approval Summary

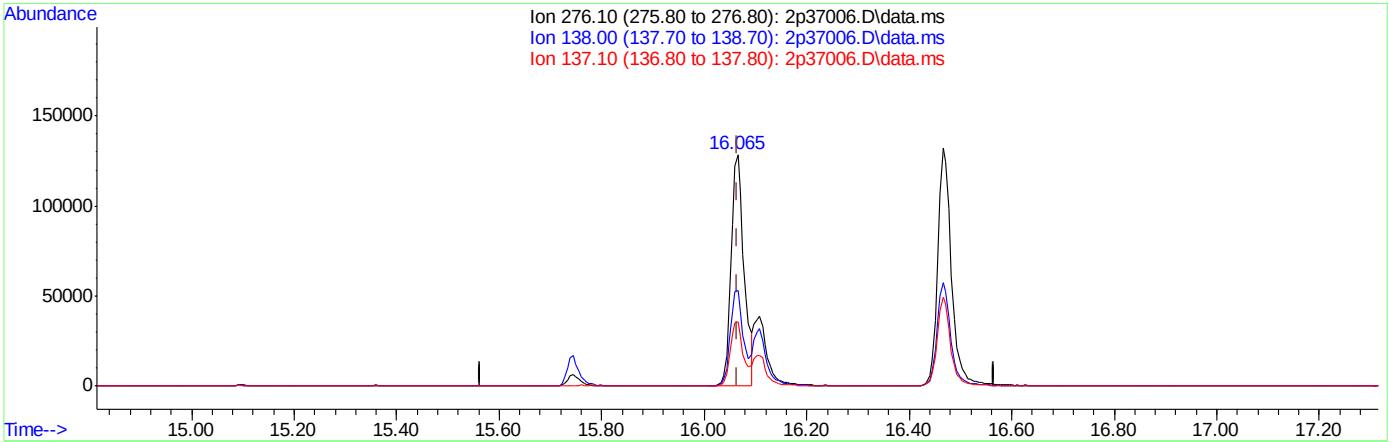
Sample Number: E2P1539-IC1539
Lab FileID: 2P37006.D
Injection Time: 05/28/14 22:16
Method: SW846 8270D
Analyst approved: 05/29/14 16:36 Olga Azarihn
Supervisor approved: 05/30/14 13:01 Nina Pandya

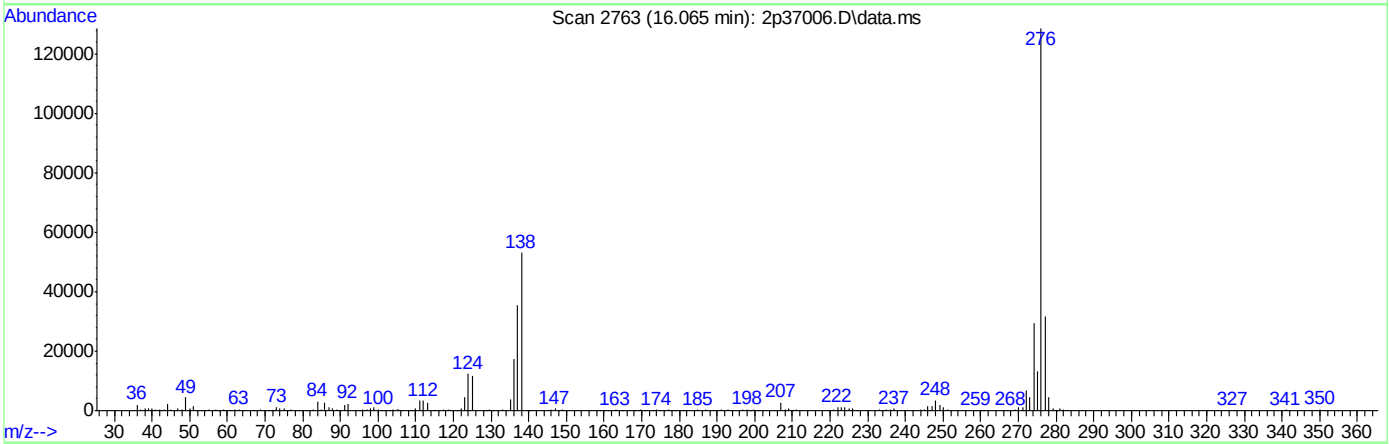
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.07	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37006.D
Acq On : 28 May 2014 10:16 pm
Operator : ashleyd
Sample : ic1539-5
Misc : op75027,e2p1539
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 08:10:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:07:43 2014
Response via : Initial Calibration





TIC: 2p37006.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.065min (+0.000) 4.17ppb

response 226358

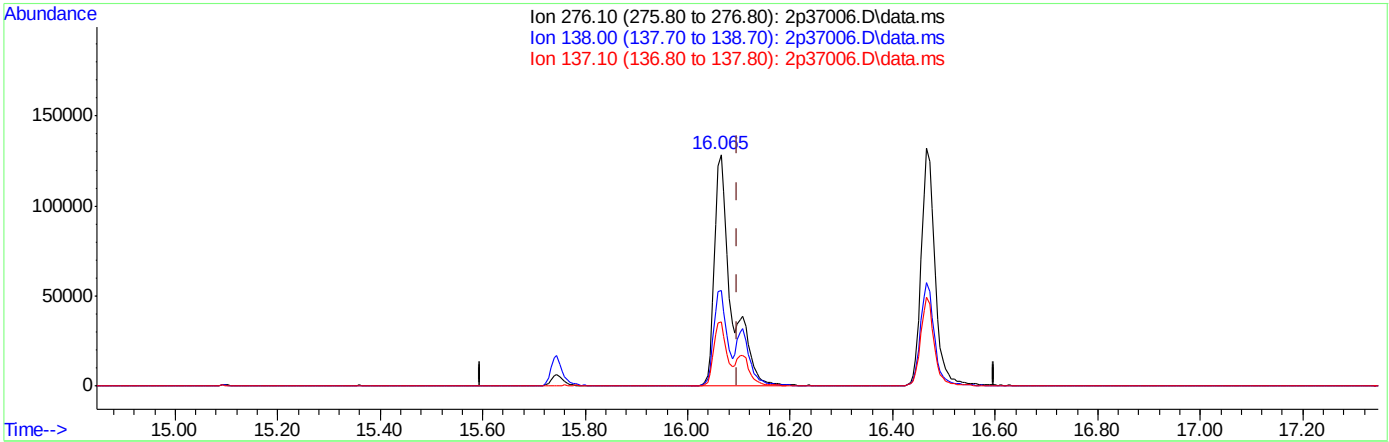
Ion	Exp%	Act%
276.10	100	100
138.00	33.50	39.02
137.10	24.20	26.15
0.00	0.00	0.00

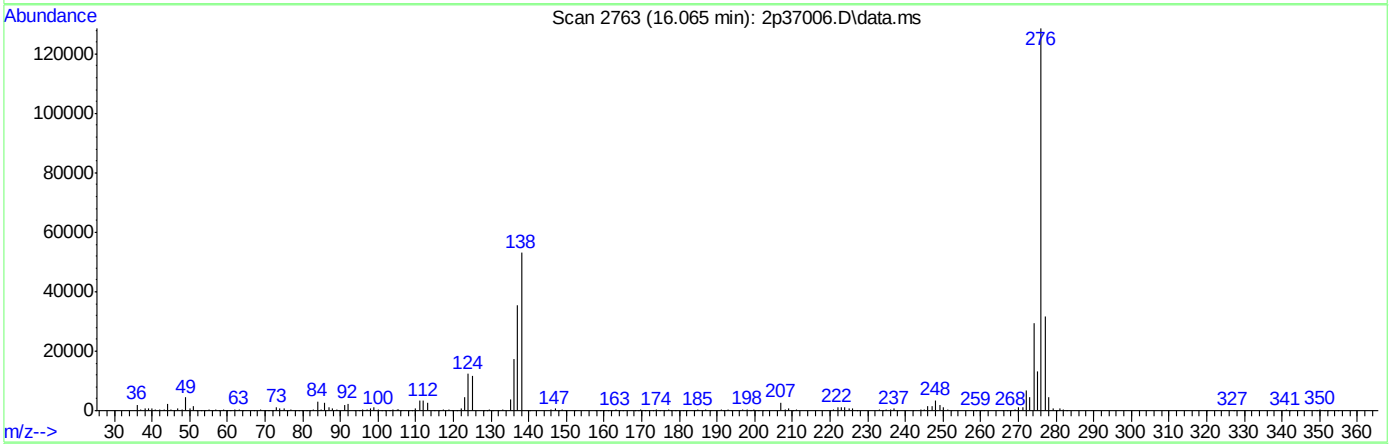
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37006.D
Acq On : 28 May 2014 10:16 pm
Operator : ashleyd
Sample : ic1539-5
Misc : op75027,e2p1539
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 16:30:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:29:59 2014
Response via : Initial Calibration





TIC: 2p37006.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.065min (-0.032) 4.93ppb m

response 297608

Ion	Exp%	Act%
276.10	100	100
138.00	37.50	41.34
137.10	25.90	27.67
0.00	0.00	0.00

9.6.6.3

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37007.D
Acq On : 28 May 2014 10:40 pm
Operator : ashleyd
Sample : ic1539-2
Misc : op75027,e2p1539
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:22:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:21:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	748965	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2769437	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1456338	40.00	ppb	0.00
69) Phenanthrene-d10	8.829	188	2255697	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	2048136	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1794456	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	748965	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1456338	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	2048136	40.00	ppb	0.00
110) Phenanthrene-d10a	8.829	188	2255697	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2769437	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.523	112	49326	1.93	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 3.86%#			
8) Phenol-d5	3.261	99	62674	2.02	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 4.04%#			
25) Nitrobenzene-d5	4.175	82	52195	2.11	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 4.22%#			
51) 2-Fluorobiphenyl	6.234	172	96262	2.10	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 4.20%#			
73) 2,4,6-Tribromophenol	7.973	330	6717	1.28	ppb	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 2.56%#			
85) Terphenyl-d14	11.038	244	79416	1.95	ppb	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 3.90%#			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.624	88	23183	1.88	ppb	97
3) Pyridine	1.779	79	57965	2.01	ppb	94
4) N-Nitrosodimethylamine	1.752	74	28913	2.01	ppb	92
6) Indene	3.881	116	106578	2.16	ppb	99
7) Cumene	2.924	105	144418	2.04	ppb	99
9) Phenol	3.271	94	67981	2.05	ppb	96
10) Aniline	3.314	93	80118	2.26	ppb	98
11) bis(2-Chloroethyl)ether	3.362	93	49569	2.14	ppb	98
12) 2-Chlorophenol	3.426	128	58387	2.06	ppb	95
13) Decane	3.475	57	62584	2.18	ppb	94
14) 1,3-Dichlorobenzene	3.571	146	64237	2.10	ppb	98
15) 1,4-Dichlorobenzene	3.640	146	63520	2.09	ppb	99
16) Benzyl alcohol	3.747	108	33850	2.00	ppb	99
17) 1,2-Dichlorobenzene	3.790	146	59491	2.09	ppb	98
18) Acetophenone	4.020	105	87672	2.16	ppb	97
19) 2-Methylphenol	3.860	108	47654	2.06	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.892	121	15565	2.11	ppb	88
21) 3&4-Methylphenol	4.020	108	49271	2.05	ppb	97
22) n-Nitroso-di-n-propyla...	4.025	70	33910	2.22	ppb	95
23) Hexachloroethane	4.138	201	19974	2.12	ppb	89

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37007.D
Acq On : 28 May 2014 10:40 pm
Operator : ashleyd
Sample : ic1539-2
Misc : op75027,e2p1539
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:22:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:21:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Nitrobenzene	4.197	77	53363	2.10	ppb	100
27) Quinoline	5.363	129	121529	2.06	ppb	98
28) Isophorone	4.453	82	89737	2.06	ppb	99
29) 2-Nitrophenol	4.539	139	24196	1.83	ppb	95
30) 2,4-Dimethylphenol	4.598	107	31237	1.52	ppb	96
31) Benzoic acid	4.662	105	9638	4.67	ppb	95
32) bis(2-Chloroethoxy)met...	4.699	93	55731	2.07	ppb	96
33) 2,4-Dichlorophenol	4.806	162	39998	1.99	ppb	98
34) 2,6-Dichlorophenol	5.063	162	38656	2.03	ppb	98
35) 1,3,5-Trichlorobenzene	4.560	180	55284	2.08	ppb	98
36) 1,2,4-Trichlorobenzene	4.903	180	47620	2.12	ppb	99
37) 1,2,3-Trichlorobenzene	5.154	180	53434	2.17	ppb	98
38) Naphthalene	4.988	128	155966	2.11	ppb	100
39) 4-Chloroaniline	5.052	127	69842	2.17	ppb	98
40) 2,3-Dichloroaniline	6.122	161	60338	2.08	ppb	96
41) Caprolactam	5.405	113	15631	1.88	ppb	94
42) Hexachlorobutadiene	5.149	225	22582	2.07	ppb	99
43) 4-Chloro-3-methylphenol	5.630	107	40604	1.91	ppb	93
44) 2-Methylnaphthalene	5.791	141	88026	2.05	ppb	97
45) 1-Methylnaphthalene	5.903	141	101346	2.09	ppb	99
46) Dimethylnaphthalene	6.534	156	99599	2.12	ppb	95
48) Hexachlorocyclopentadiene	5.994	237	34206	3.24	ppb	98
49) 2,4,6-Trichlorophenol	6.133	196	22579	1.86	ppb	99
50) 2,4,5-Trichlorophenol	6.165	196	25654	1.89	ppb	99
52) 2-Chloronaphthalene	6.357	162	92322	2.14	ppb	99
53) Biphenyl	6.347	154	135872	2.14	ppb	99
54) 2-Nitroaniline	6.486	65	23691	1.90	ppb	93
55) Dimethylphthalate	6.732	163	96671	2.05	ppb	100
56) Acenaphthylene	6.850	152	147907	2.08	ppb	99
57) 2,6-Dinitrotoluene	6.791	165	18251	1.82	ppb	92
58) 3-Nitroaniline	6.978	138	26594	1.97	ppb	87
59) Acenaphthene	7.064	153	91970	2.08	ppb	97
60) 2,4-Dinitrophenol	7.106	184	4633	9.85	ppb	93
61) 4-Nitrophenol	7.208	109	9136	1.51	ppb	97
62) Dibenzofuran	7.272	168	123807	2.11	ppb	100
63) 2,4-Dinitrotoluene	7.267	165	23538	1.78	ppb	83
64) 2,3,4,6-Tetrachlorophenol	7.433	232	13376	1.51	ppb	94
65) Diethylphthalate	7.588	149	100087	2.03	ppb	98
66) Fluorene	7.684	166	97370	2.05	ppb	99
67) 4-Chlorophenyl-phenyle...	7.705	204	41136	2.11	ppb	94
68) 4-Nitroaniline	7.711	138	26375	2.00	ppb	93
70) 4,6-Dinitro-2-methylph...	7.753	198	3546	4.56	ppb	97
71) n-Nitrosodiphenylamine	7.844	169	63838	2.04	ppb	96
72) 1,2-Diphenylhydrazine	7.893	77	104533	2.13	ppb	99
74) 4-Bromophenyl-phenylether	8.288	248	21481	1.94	ppb	94
75) Hexachlorobenzene	8.353	284	25869	1.99	ppb	85
76) Pentachlorophenol	8.604	266	14541	6.96	ppb	97
77) Phenanthrene	8.850	178	137362	2.09	ppb	100
78) Anthracene	8.914	178	132143	2.05	ppb	97
79) Carbazole	9.133	167	155246	2.06	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37007.D
Acq On : 28 May 2014 10:40 pm
Operator : ashleyd
Sample : ic1539-2
Misc : op75027,e2p1539
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:22:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:21:29 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Di-n-butylphthalate	9.663	149	150848	1.85	ppb	98
81)	Fluoranthene	10.438	202	134393	1.94	ppb	99
82)	Octadecane	8.780	43	44485	2.15	ppb	92
84)	Pyrene	10.754	202	146678	2.05	ppb	98
86)	Butylbenzylphthalate	11.813	149	54144	1.62	ppb	95
87)	Butyl stearate	11.979	56	29037	1.66	ppb	94
88)	Benzo[a]anthracene	12.551	228	120990	2.00	ppb	97
89)	3,3'-Dichlorobenzidine	12.551	252	33204	1.70	ppb	93
90)	Chrysene	12.599	228	106389	2.02	ppb	99
91)	bis(2-Ethylhexyl)phtha...	12.744	149	64642	1.44	ppb	98
93)	Di-n-octylphthalate	13.707	149	85448	2.69	ppb	99
94)	Benzo[b]fluoranthene	14.102	252	100214	1.72	ppb	99
95)	Benzo[k]fluoranthene	14.140	252	104454	1.96	ppb	98
96)	Benzo[a]pyrene	14.536	252	86088	1.74	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.065	276	100337	2.07	ppb	97
98)	Dibenz(a,h)acridine	15.744	279	74176	1.47	ppb	97
99)	Dibenz[a,h]anthracene	16.108	278	79553	1.69	ppb	99
100)	7,12-Dimethylbenz(a)an...	14.108	256	13658	3.69	ppb	98
101)	Benzo[g,h,i]perylene	16.466	276	84496	1.76	ppb	99

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

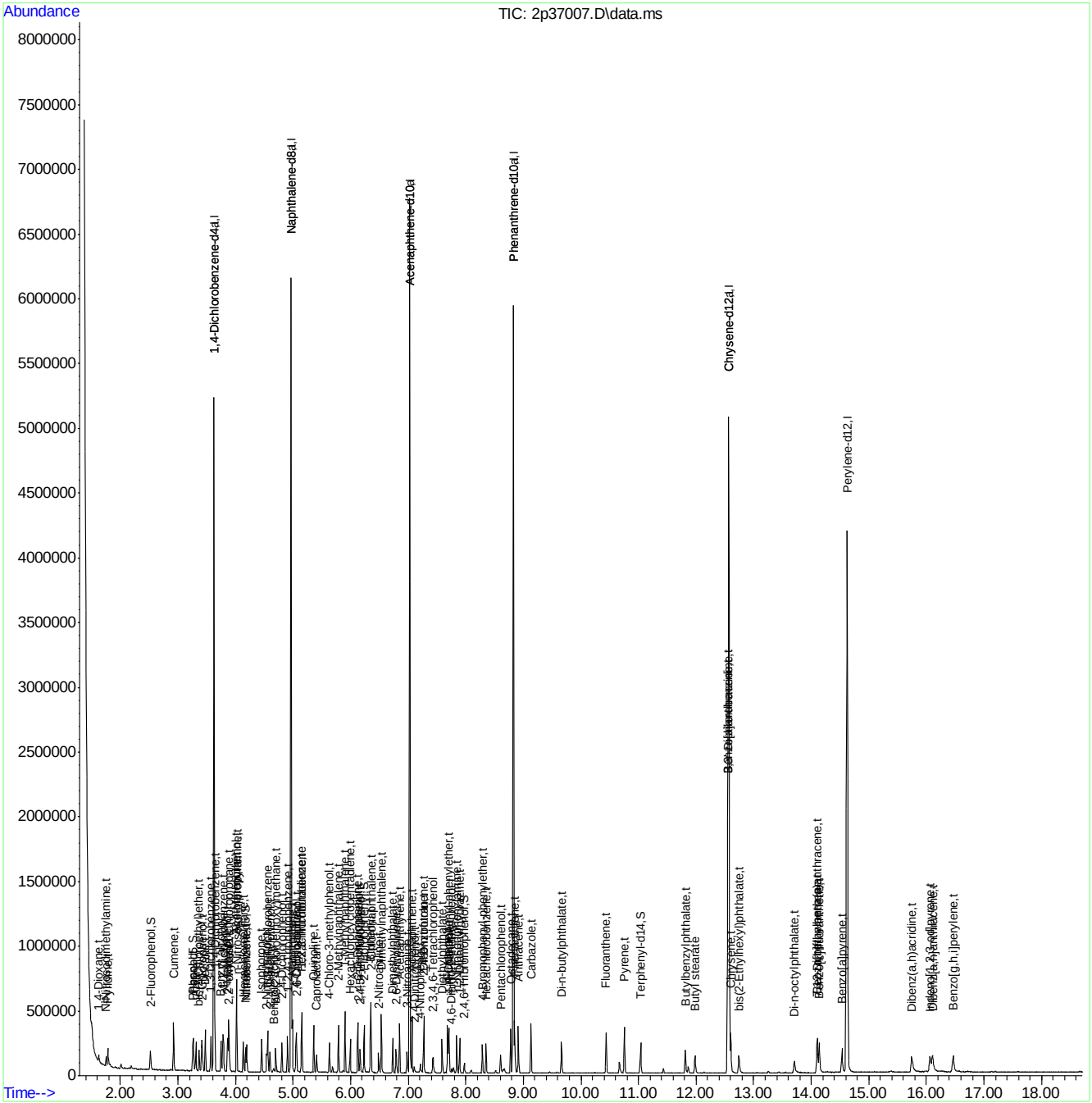
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37007.D
Acq On : 28 May 2014 10:40 pm
Operator : ashleyd
Sample : ic1539-2
Misc : op75027,e2p1539
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 16:22:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:21:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37008.D
Acq On : 28 May 2014 11:03 pm
Operator : ashleyd
Sample : ic1539-1
Misc : op75027,e2p1539
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:29:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:17:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	792493	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2937287	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1564477	40.00	ppb	0.00
69) Phenanthrene-d10	8.829	188	2435016	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	2241615	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1957052	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	792493	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1564477	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	2241615	40.00	ppb	0.00
110) Phenanthrene-d10a	8.829	188	2435016	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2937287	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.522	112	27255	1.01	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 2.02%#			
8) Phenol-d5	3.261	99	33690	1.03	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 2.06%#			
25) Nitrobenzene-d5	4.175	82	27051	1.03	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 2.06%#			
51) 2-Fluorobiphenyl	6.234	172	52867	1.08	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 2.16%#			
73) 2,4,6-Tribromophenol	7.973	330	2921	0.52	ppb	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 1.04%#			
85) Terphenyl-d14	11.038	244	42085	0.94	ppb	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 1.88%#			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.624	88	10345m	0.84	ppb	
3) Pyridine	1.784	79	31670	1.04	ppb	97
4) N-Nitrosodimethylamine	1.758	74	15121	0.99	ppb	100
6) Indene	3.881	116	55980	1.07	ppb	97
7) Cumene	2.929	105	76739	1.02	ppb	99
9) Phenol	3.271	94	39104	1.11	ppb	97
10) Aniline	3.314	93	42809	1.14	ppb	98
11) bis(2-Chloroethyl)ether	3.368	93	25392	1.04	ppb	94
12) 2-Chlorophenol	3.426	128	32856	1.10	ppb	97
13) Decane	3.475	57	33349	1.10	ppb	95
14) 1,3-Dichlorobenzene	3.576	146	33783	1.04	ppb	96
15) 1,4-Dichlorobenzene	3.640	146	34593	1.08	ppb	94
16) Benzyl alcohol	3.747	108	18298	1.02	ppb	93
17) 1,2-Dichlorobenzene	3.790	146	33055	1.10	ppb	99
18) Acetophenone	4.020	105	46868	1.09	ppb	97
19) 2-Methylphenol	3.860	108	26158	1.07	ppb	97
20) 2,2'-oxybis(1-Chloropr...	3.897	121	8432	1.08	ppb	96
21) 3&4-Methylphenol	4.020	108	28346	1.11	ppb	99
22) n-Nitroso-di-n-propyla...	4.025	70	18103	1.12	ppb	95
23) Hexachloroethane	4.138	201	10541	1.06	ppb	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37008.D
Acq On : 28 May 2014 11:03 pm
Operator : ashleyd
Sample : ic1539-1
Misc : op75027,e2p1539
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:29:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:17:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Nitrobenzene	4.197	77	29402	1.09	ppb	96
27) Quinoline	5.363	129	63176	1.01	ppb	99
28) Isophorone	4.453	82	47837	1.04	ppb	98
29) 2-Nitrophenol	4.544	139	13839	0.99	ppb	98
30) 2,4-Dimethylphenol	4.598	107	21135	0.97	ppb	96
31) Benzoic acid	4.651	105	4856	4.40	ppb	92
32) bis(2-Chloroethoxy)met...	4.705	93	30396	1.06	ppb	98
33) 2,4-Dichlorophenol	4.806	162	21614	1.01	ppb	99
34) 2,6-Dichlorophenol	5.063	162	20392	1.01	ppb	94
35) 1,3,5-Trichlorobenzene	4.560	180	29907	1.06	ppb	98
36) 1,2,4-Trichlorobenzene	4.903	180	24795	1.04	ppb	99
37) 1,2,3-Trichlorobenzene	5.154	180	27159	1.04	ppb	99
38) Naphthalene	4.988	128	89973	1.15	ppb	99
39) 4-Chloroaniline	5.052	127	37035	1.09	ppb	97
40) 2,3-Dichloroaniline	6.122	161	31964	1.04	ppb	97
41) Caprolactam	5.405	113	7805	0.89	ppb	93
42) Hexachlorobutadiene	5.149	225	12576	1.09	ppb	96
43) 4-Chloro-3-methylphenol	5.630	107	22796	1.01	ppb	93
44) 2-Methylnaphthalene	5.790	141	48067	1.06	ppb	96
45) 1-Methylnaphthalene	5.903	141	55016	1.07	ppb	100
46) Dimethylnaphthalene	6.534	156	53115	1.07	ppb	99
48) Hexachlorocyclopentadiene	5.994	237	15946	1.41	ppb	98
49) 2,4,6-Trichlorophenol	6.133	196	11687	0.89	ppb	98
50) 2,4,5-Trichlorophenol	6.165	196	12836	0.88	ppb	97
52) 2-Chloronaphthalene	6.357	162	51878	1.12	ppb	99
53) Biphenyl	6.347	154	74446	1.09	ppb	95
54) 2-Nitroaniline	6.486	65	11542	0.86	ppb	96
55) Dimethylphthalate	6.732	163	56227	1.11	ppb	99
56) Acenaphthylene	6.850	152	78641	1.03	ppb	98
57) 2,6-Dinitrotoluene	6.791	165	8937	0.83	ppb	99
58) 3-Nitroaniline	6.983	138	12990	0.89	ppb	91
59) Acenaphthene	7.063	153	51374	1.08	ppb	98
60) 2,4-Dinitrophenol	7.106	184	2090	9.39	ppb	66
61) 4-Nitrophenol	7.208	109	4312	0.66	ppb	97
62) Dibenzofuran	7.272	168	73599	1.17	ppb	97
63) 2,4-Dinitrotoluene	7.267	165	11524	0.81	ppb	83
64) 2,3,4,6-Tetrachlorophenol	7.433	232	6414	0.67	ppb	96
65) Diethylphthalate	7.588	149	55358	1.05	ppb	97
66) Fluorene	7.684	166	54506	1.07	ppb	98
67) 4-Chlorophenyl-phenyle...	7.705	204	21366	1.02	ppb	97
68) 4-Nitroaniline	7.711	138	13660	0.97	ppb	96
70) 4,6-Dinitro-2-methylph...	7.759	198	1544	4.27	ppb	88
71) n-Nitrosodiphenylamine	7.844	169	33964	1.00	ppb	98
72) 1,2-Diphenylhydrazine	7.893	77	54654	1.03	ppb	98
74) 4-Bromophenyl-phenylether	8.294	248	11985	1.00	ppb	98
75) Hexachlorobenzene	8.352	284	13908	0.99	ppb	84
76) Pentachlorophenol	8.604	266	6020	5.94	ppb	96
77) Phenanthrene	8.855	178	78433	1.11	ppb	97
78) Anthracene	8.914	178	71573	1.03	ppb	99
79) Carbazole	9.133	167	80992	1.00	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37008.D
Acq On : 28 May 2014 11:03 pm
Operator : ashleyd
Sample : ic1539-1
Misc : op75027,e2p1539
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:29:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:17:53 2014
Response via : Initial Calibration

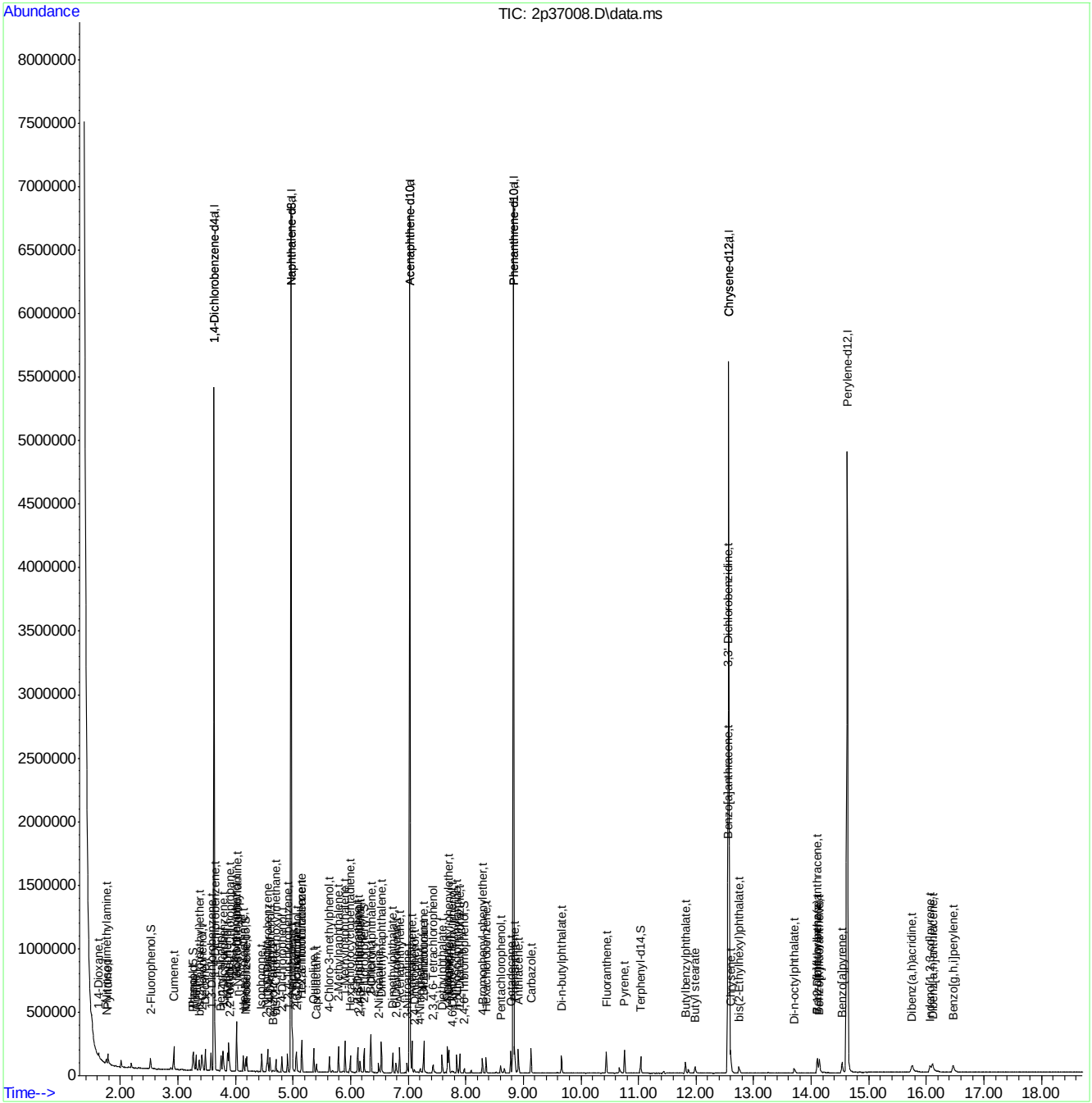
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	9.663	149	82922	0.94	ppb	100
81) Fluoranthene	10.444	202	72474	0.97	ppb	98
82) Octadecane	8.780	43	22603	1.01	ppb	87
84) Pyrene	10.754	202	75990	0.97	ppb	97
86) Butylbenzylphthalate	11.813	149	27131	0.74	ppb	92
87) Butyl stearate	11.984	56	12004	0.63	ppb	91
88) Benzo[a]anthracene	12.551	228	69599	1.05	ppb	96
89) 3,3'-Dichlorobenzidine	12.557	252	14773	0.69	ppb	88
90) Chrysene	12.599	228	59061	1.02	ppb	98
91) bis(2-Ethylhexyl)phtha...	12.744	149	27508	0.56	ppb	99
93) Di-n-octylphthalate	13.706	149	31799	2.13	ppb	98
94) Benzo[b]fluoranthene	14.102	252	47370	0.74	ppb	97
95) Benzo[k]fluoranthene	14.140	252	56116	0.97	ppb	98
96) Benzo[a]pyrene	14.536	252	41775	0.77	ppb	95
97) Indeno[1,2,3-cd]pyrene	16.065	276	48264	0.95	ppb	87
98) Dibenz(a,h)acridine	15.744	279	31266	0.57	ppb	98
99) Dibenz[a,h]anthracene	16.108	278	38618	0.75	ppb	89
100) 7,12-Dimethylbenz(a)an...	14.108	256	5494	3.42	ppb	90
101) Benzo[g,h,i]perylene	16.466	276	39275	0.75	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37008.D
Acq On : 28 May 2014 11:03 pm
Operator : ashleyd
Sample : ic1539-1
Misc : op75027,e2p1539
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:29:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:17:53 2014
Response via : Initial Calibration



9.6.8

9

ACCUTEST LABORATORIES JB67976

Manual Integration Approval Summary

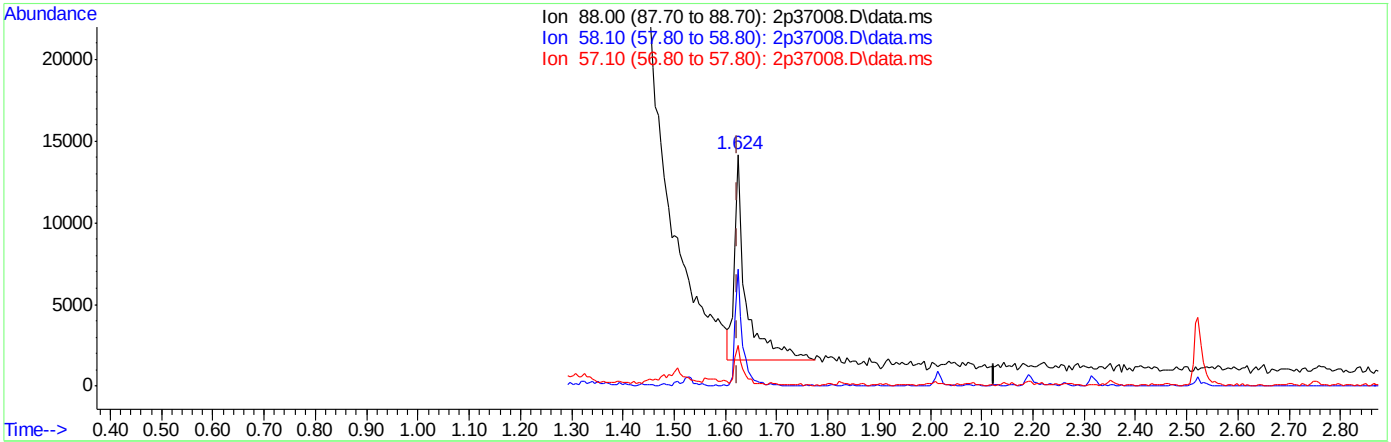
Sample Number:	E2P1539-IC1539	**Method:**	SW846 8270D
Lab FileID:	2P37008.D	**Analyst approved:**	05/29/14 16:36 Olga Azarihn
Injection Time:	05/28/14 23:03	**Supervisor approved:**	05/30/14 13:01 Nina Pandya

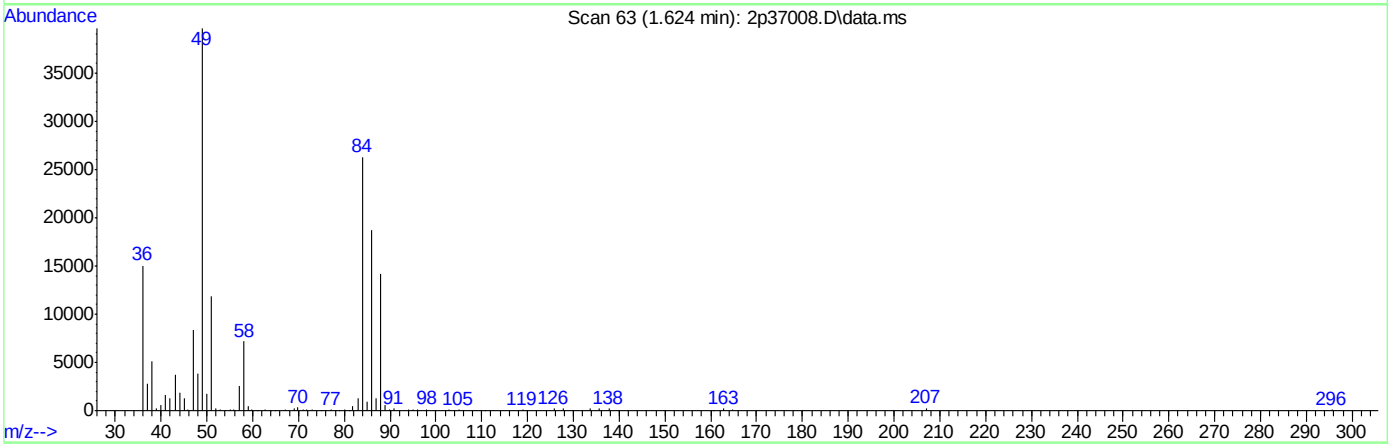
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.62	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37008.D
Acq On : 28 May 2014 11:03 pm
Operator : ashleyd
Sample : ic1539-1
Misc : op75027,e2p1539
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 08:12:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 08:11:17 2014
Response via : Initial Calibration





TIC: 2p37008.D\data.ms

(2) 1,4-Dioxane (t)

1.624min (+0.000) 1.65ppb

response 19840

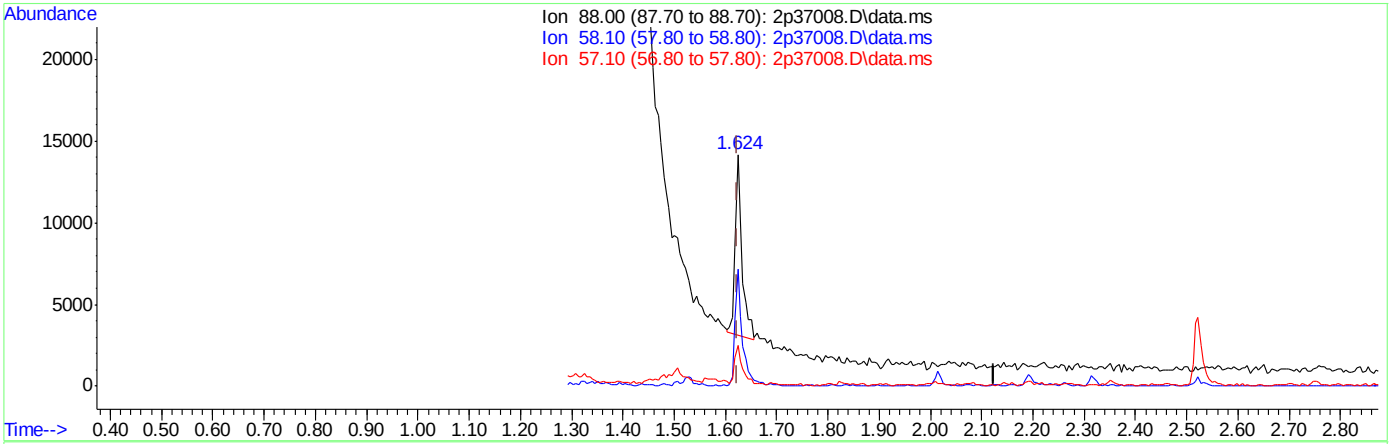
Ion	Exp%	Act%
88.00	100	100
58.10	60.00	61.35
57.10	22.90	20.35
0.00	0.00	0.00

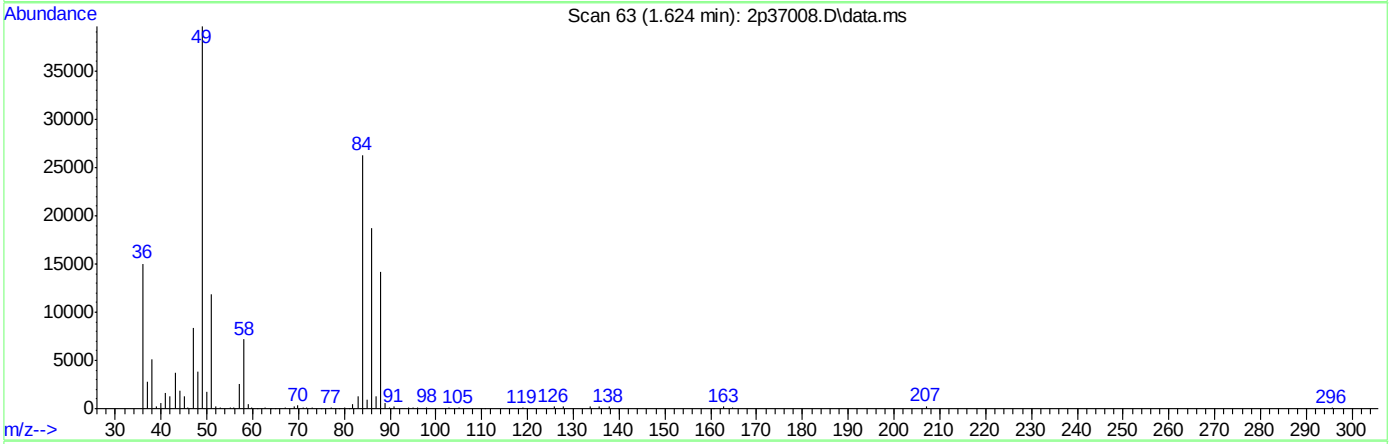
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1539\
Data File : 2p37008.D
Acq On : 28 May 2014 11:03 pm
Operator : ashleyd
Sample : ic1539-1
Misc : op75027,e2p1539
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 16:21:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:17:53 2014
Response via : Initial Calibration





TIC: 2p37008.D\data.ms

(2) 1,4-Dioxane (t)

1.624min (+0.000) 0.84ppb m

response 10345

Ion	Exp%	Act%
88.00	100	100
58.10	60.00	50.58
57.10	22.90	17.71
0.00	0.00	0.00

9.6.83

6

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37010.D
Acq On : 29 May 2014 9:15 am
Operator : olgaa
Sample : ic1540-100
Misc : op75027,e2p1540,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 12:26:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

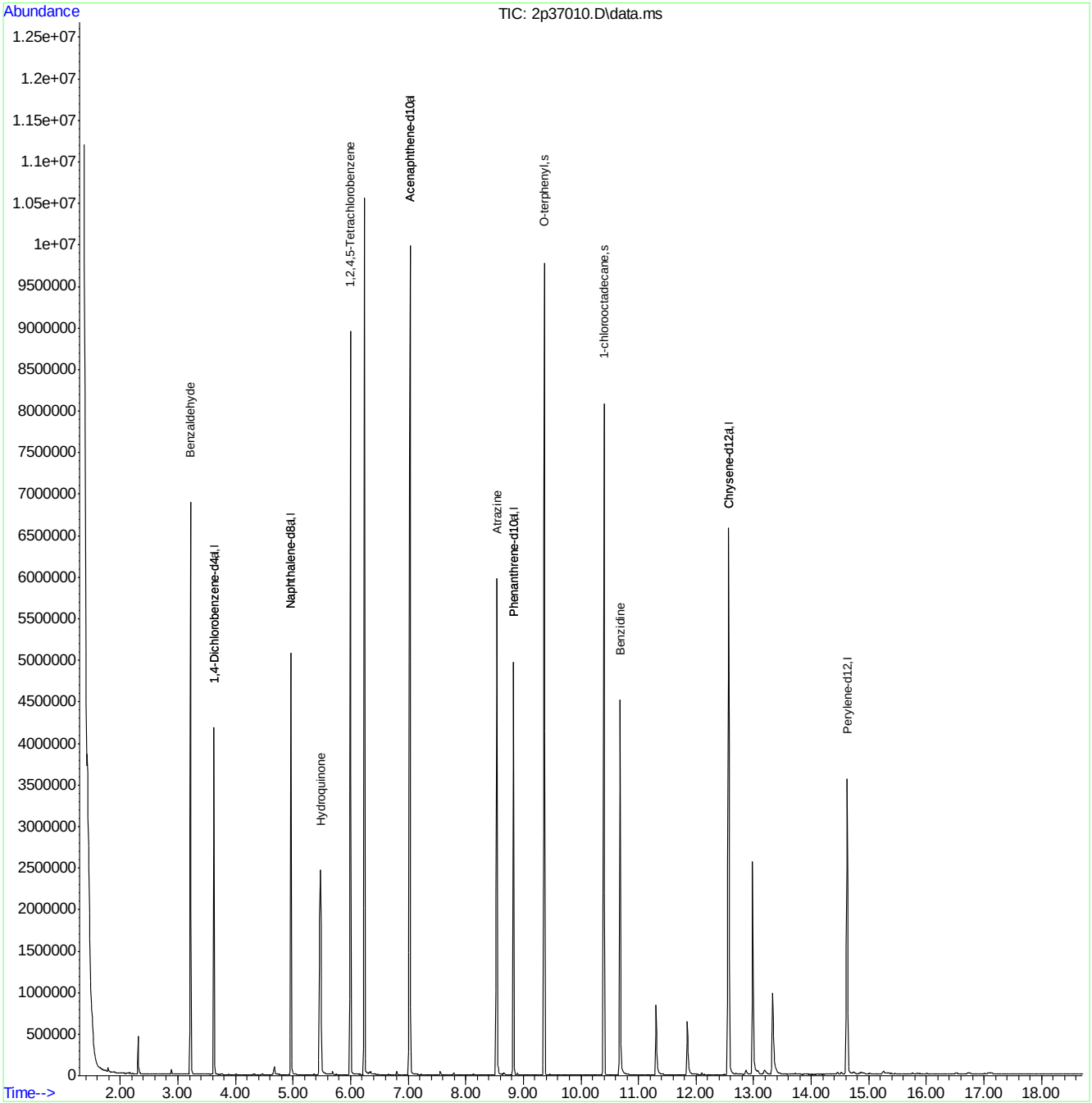
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	587836	40.00	ppb	0.00
24) Naphthalene-d8	4.961	136	2249322	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1063649	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1744525	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1594666	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1488992	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	587836	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1063649	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1594666	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1744525	40.00	ppb	0.00
112) Naphthalene-d8a	4.961	136	2249322	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.401	57	1328703	100.00	ppb	0.00
111) O-terphenyl	9.369	230	2123077	99.95	ppb	0.00
Target Compounds						Qvalue
103) Benzaldehyde	3.223	105	1389955	99.93	ppb	91
105) Atrazine	8.540	215	422889	100.00	ppb	88
106) 1,2,4,5-Tetrachloroben...	5.999	216	1498609	100.00	ppb	97
109) Benzidine	10.679	184	2063272	99.05	ppb	99
113) Hydroquinone	5.475	110	2073248	100.00	ppb	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37010.D
Acq On : 29 May 2014 9:15 am
Operator : olgaa
Sample : ic1540-100
Misc : op75027,e2p1540,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 29 12:26:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37011.D
Acq On : 29 May 2014 9:38 am
Operator : olgaa
Sample : ic1540-80
Misc : op75027,e2p1540,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 12:27:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

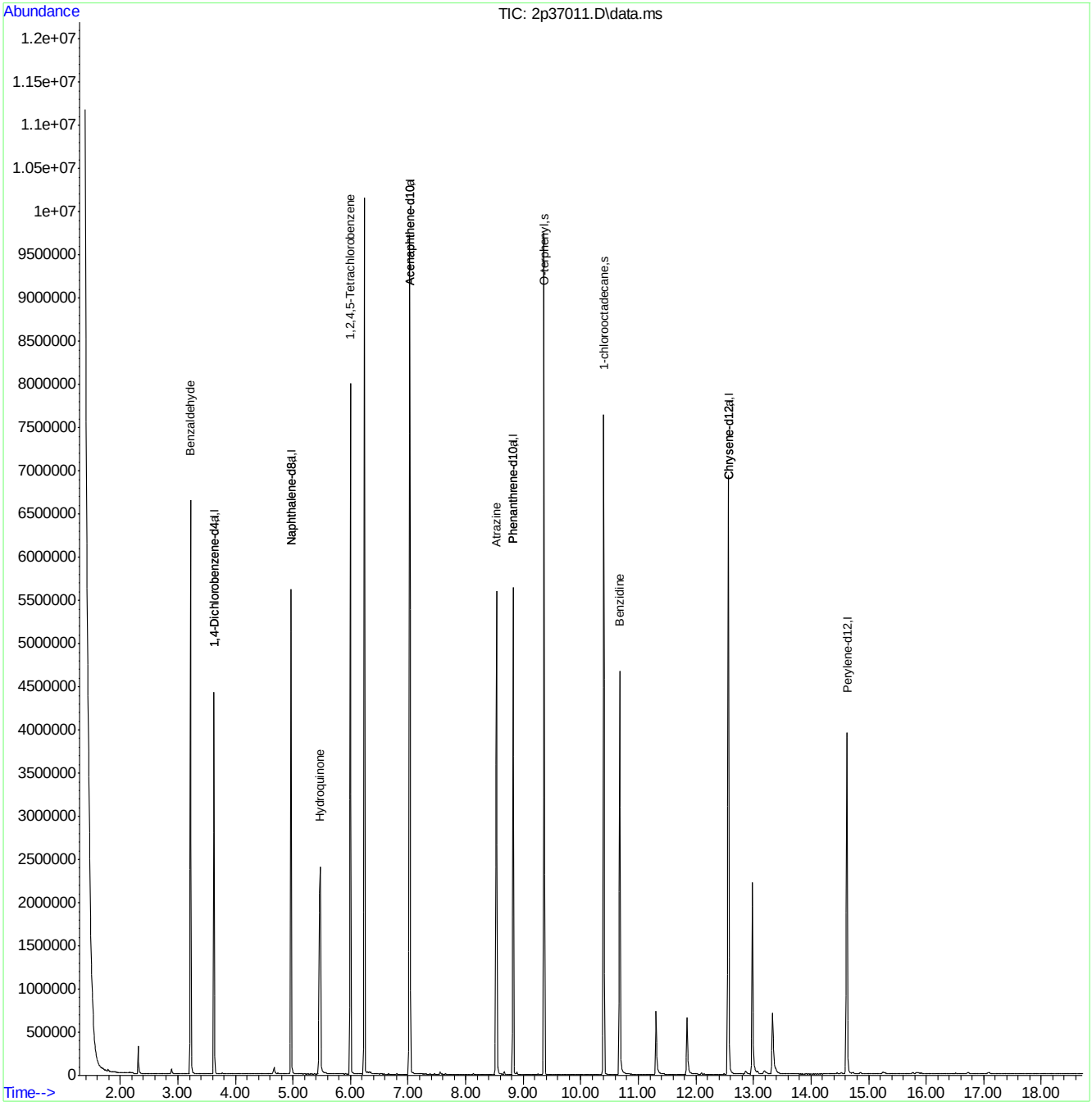
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	656976	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2514535	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1212659	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1959796	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1789722	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1668359	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	656976	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1212659	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1789722	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1959796	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2514535	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.401	57	1227985	82.35	ppb	0.00
111) O-terphenyl	9.363	230	1958444	82.07	ppb	0.00
Target Compounds						Qvalue
103) Benzaldehyde	3.223	105	1318744	84.83	ppb	89
105) Atrazine	8.539	215	385784	80.02	ppb	93
106) 1,2,4,5-Tetrachloroben...	5.999	216	1366683	79.99	ppb	97
109) Benzidine	10.679	184	2069618	88.52	ppb	99
113) Hydroquinone	5.475	110	1887759	81.45	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37011.D
Acq On : 29 May 2014 9:38 am
Operator : olgaa
Sample : ic1540-80
Misc : op75027,e2p1540,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 29 12:27:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37012.D
Acq On : 29 May 2014 10:02 am
Operator : olgaa
Sample : icc1540-50
Misc : op75027,e2p1540,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:27:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

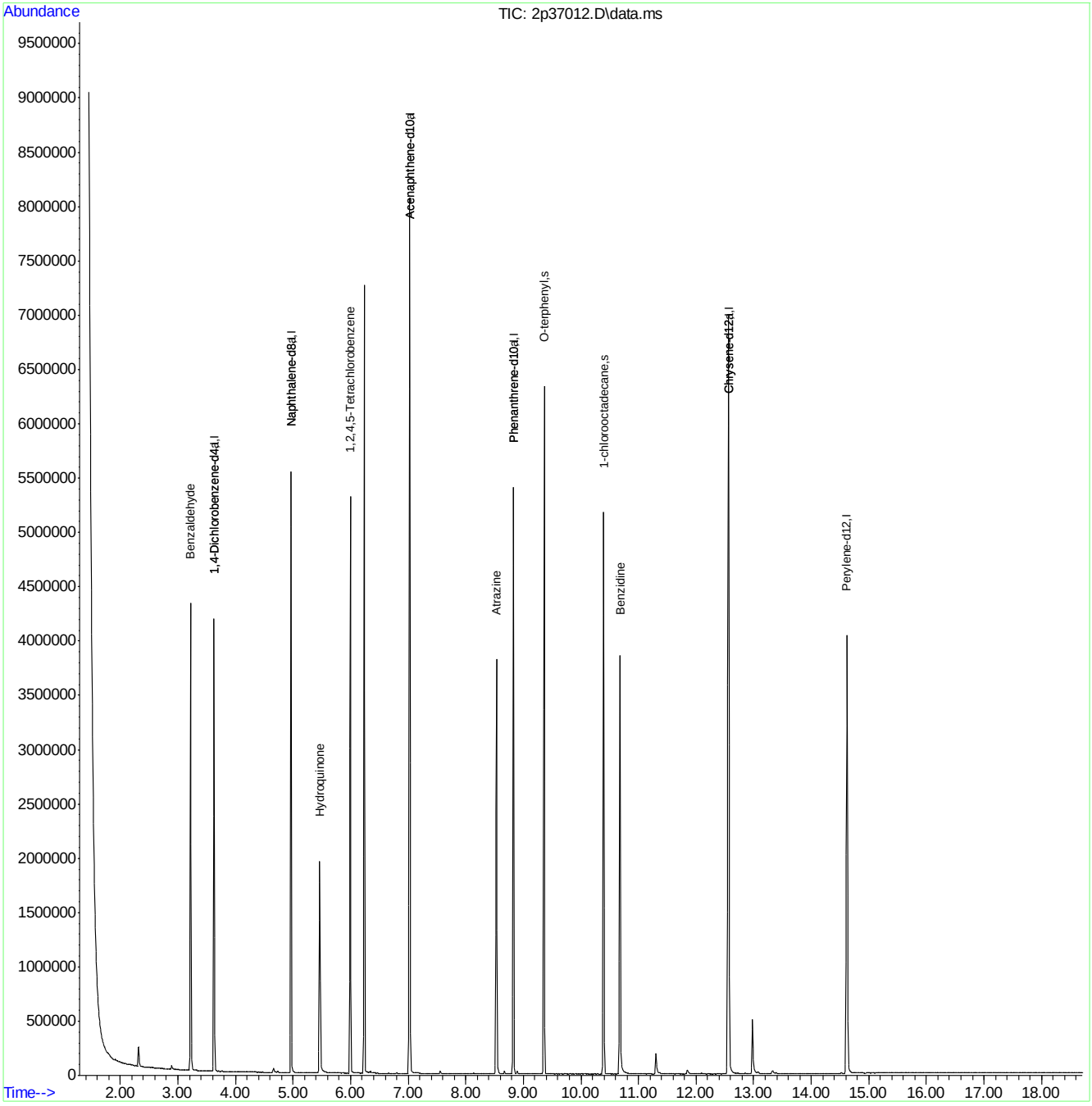
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	657732	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2468174	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1229812	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1956204	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1781215	40.00	ppb	0.00
92) Perylene-d12	14.621	264	1647490	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	657732	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1229812	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1781215	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1956204	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2468174	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.395	57	821997	55.39	ppb	0.00
111) O-terphenyl	9.363	230	1242812	52.18	ppb	0.00
Target Compounds						Qvalue
103) Benzaldehyde	3.223	105	870337	55.92	ppb	90
105) Atrazine	8.534	215	237631	48.60	ppb	95
106) 1,2,4,5-Tetrachloroben...	5.994	216	860230	49.65	ppb	98
109) Benzidine	10.679	184	1807257	77.67	ppb	99
113) Hydroquinone	5.464	110	1165664	51.24	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37012.D
Acq On : 29 May 2014 10:02 am
Operator : olgaa
Sample : icc1540-50
Misc : op75027,e2p1540,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 12:27:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37013.D
Acq On : 29 May 2014 10:25 am
Operator : olgaa
Sample : ic1540-25
Misc : op75027,e2p1540,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 12:28:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

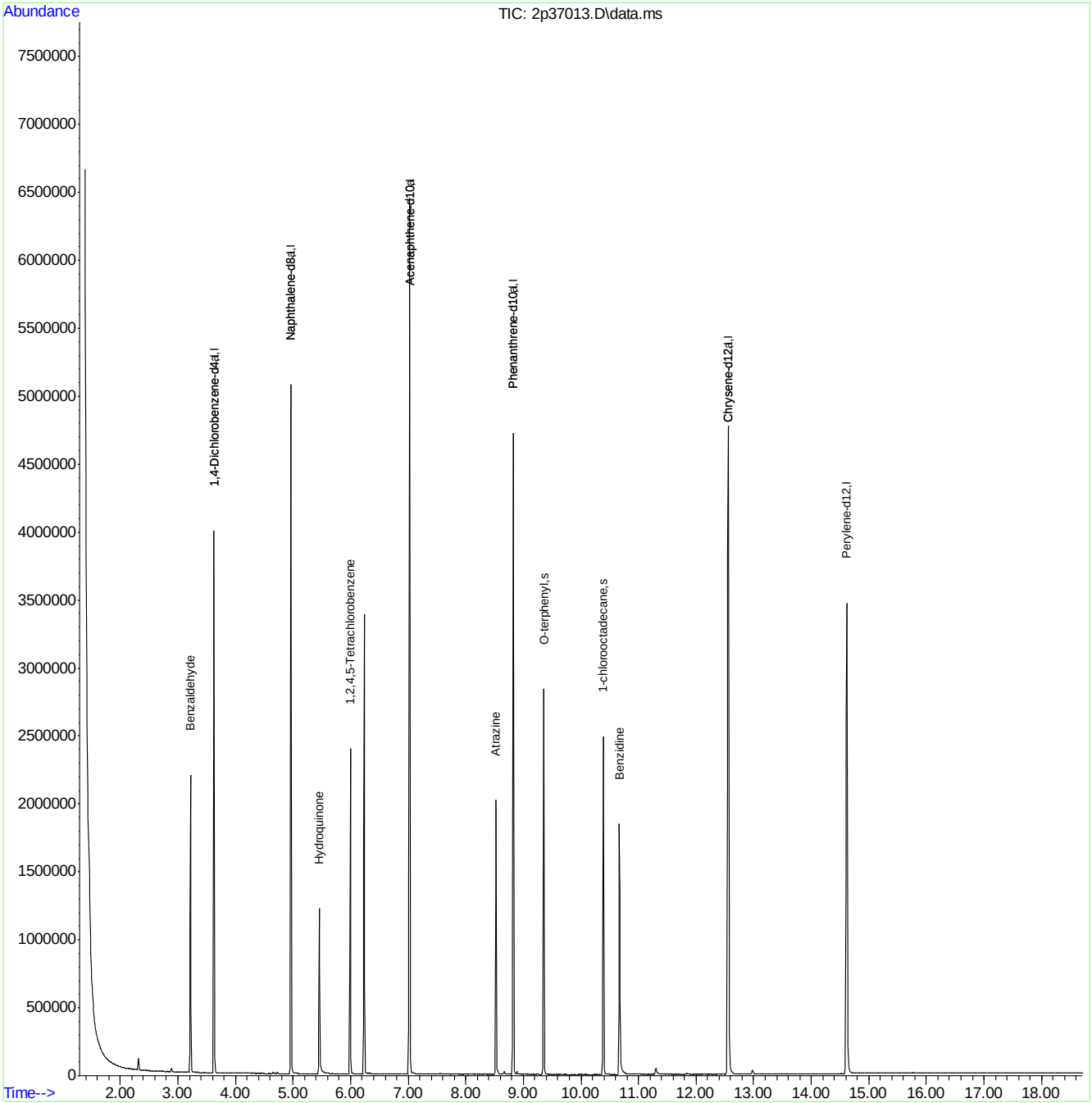
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	571398	40.00	ppb	0.00
24) Naphthalene-d8	4.961	136	2155356	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1108434	40.00	ppb	0.00
69) Phenanthrene-d10	8.823	188	1712677	40.00	ppb	0.00
83) Chrysene-d12	12.562	240	1520768	40.00	ppb	0.00
92) Perylene-d12	14.616	264	1387881	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.624	152	571398	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1108434	40.00	ppb	0.00
107) Chrysene-d12a	12.562	240	1520768	40.00	ppb	0.00
110) Phenanthrene-d10a	8.823	188	1712677	40.00	ppb	0.00
112) Naphthalene-d8a	4.961	136	2155356	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.390	57	373867	29.51	ppb	-0.01
111) O-terphenyl	9.358	230	540098	25.90	ppb	-0.01
Target Compounds						Qvalue
103) Benzaldehyde	3.218	105	395531	29.25	ppb	90
105) Atrazine	8.524	215	99599	22.60	ppb	90
106) 1,2,4,5-Tetrachloroben...	5.994	216	381988	24.46	ppb	97
109) Benzidine	10.668	184	793164	39.93	ppb	99
113) Hydroquinone	5.454	110	488658	24.60	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37013.D
Acq On : 29 May 2014 10:25 am
Operator : olgaa
Sample : ic1540-25
Misc : op75027,e2p1540,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 12:28:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37014.D
Acq On : 29 May 2014 10:48 am
Operator : olgaa
Sample : ic1540-10
Misc : op75027,e2p1540,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 12:29:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

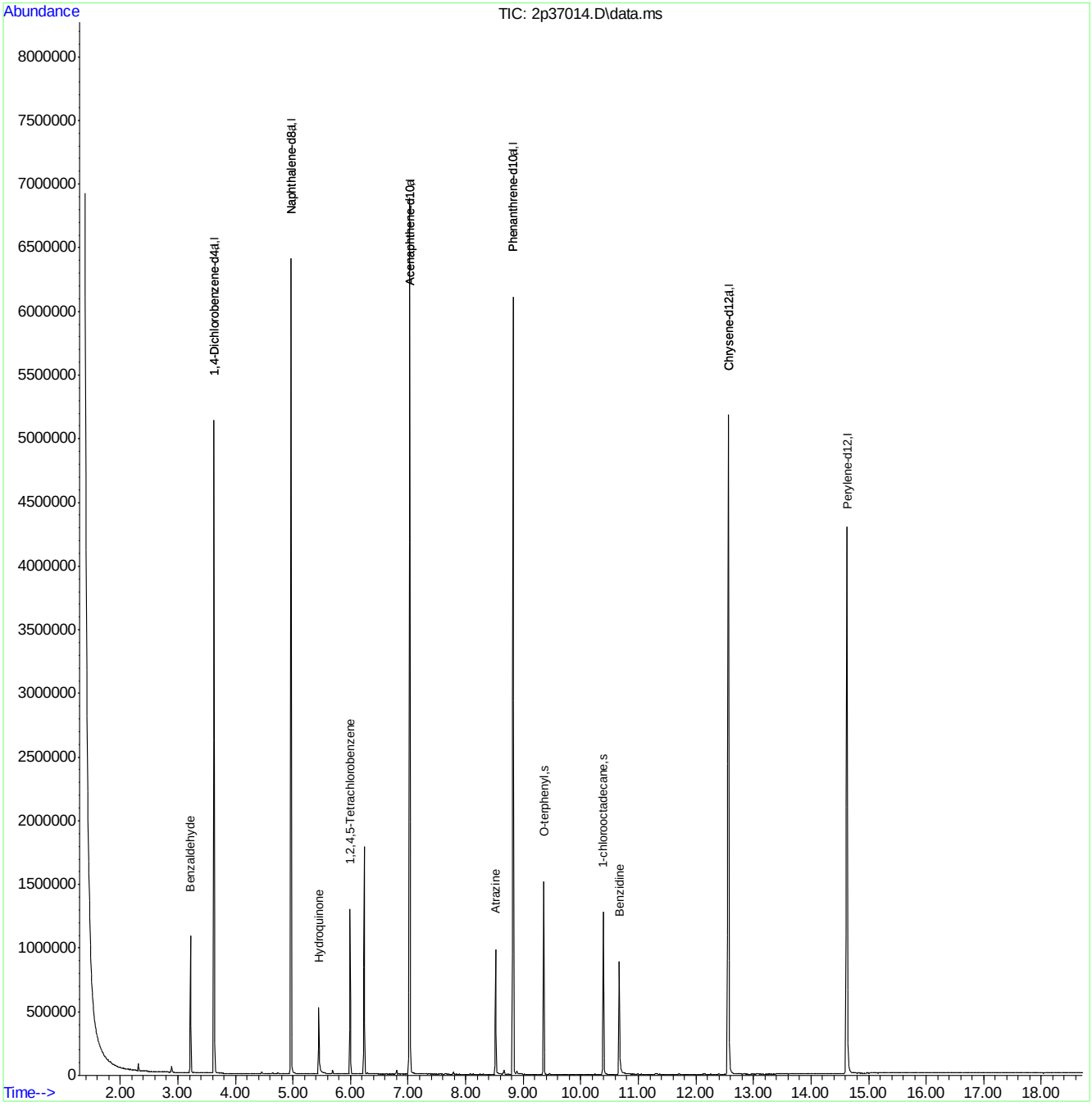
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	753149	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2817988	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1440303	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	2248421	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	2008996	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1821921	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	753149	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1440303	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	2008996	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	2248421	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2817988	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.390	57	193709	11.57	ppb	-0.01
111) O-terphenyl	9.358	230	282992	10.34	ppb	-0.01
Target Compounds						Qvalue
103) Benzaldehyde	3.218	105	210110	11.79	ppb	90
105) Atrazine	8.523	215	49917	8.72	ppb	96
106) 1,2,4,5-Tetrachloroben...	5.994	216	199577	9.83	ppb	99
109) Benzidine	10.668	184	403959	15.39	ppb	99
113) Hydroquinone	5.448	110	227623	8.76	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37014.D
Acq On : 29 May 2014 10:48 am
Operator : olgaa
Sample : ic1540-10
Misc : op75027,e2p1540,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 29 12:29:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37015.D
Acq On : 29 May 2014 11:11 am
Operator : olgaa
Sample : ic1540-5
Misc : op75027,e2p1540,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 12:30:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

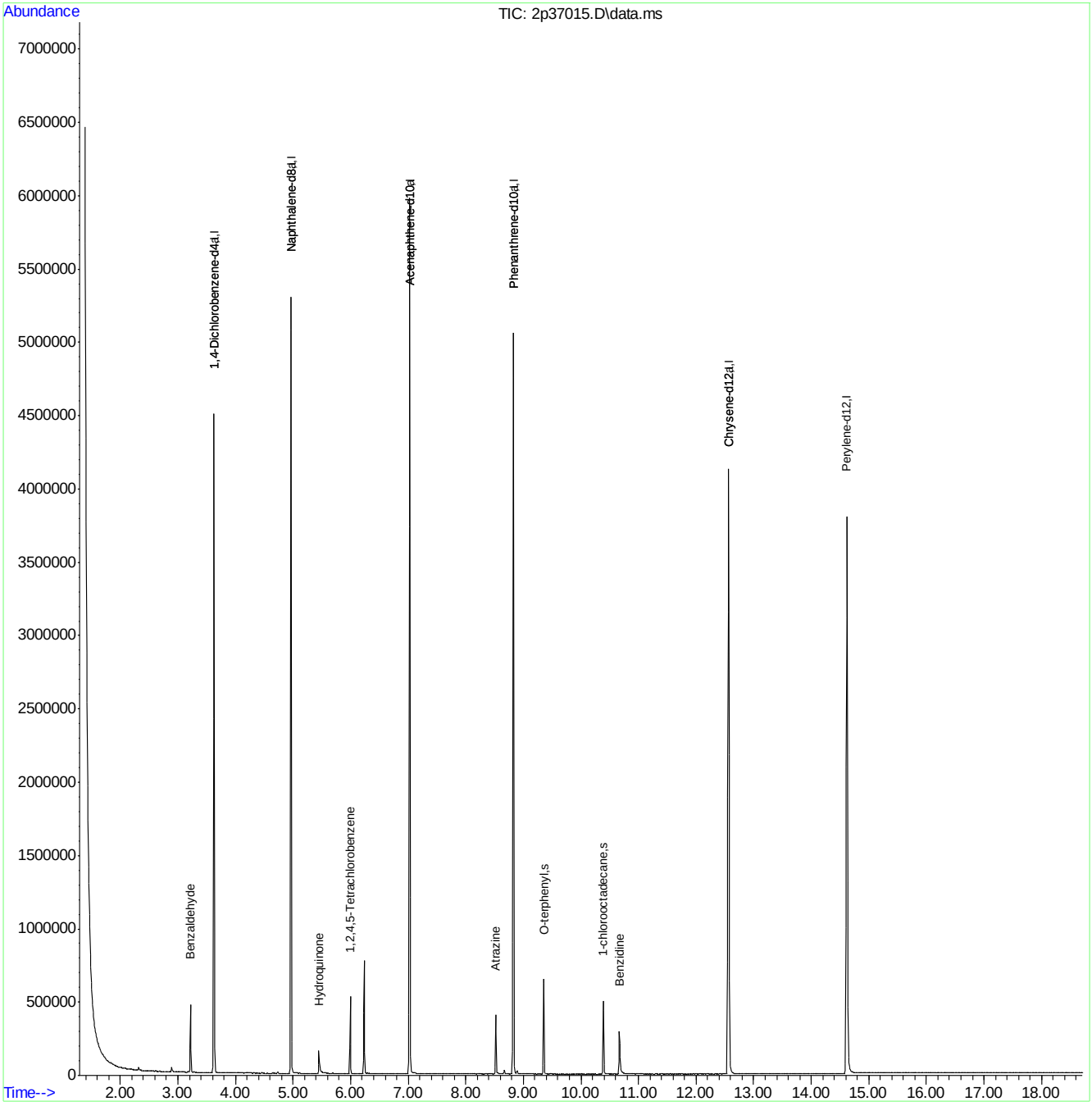
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	648433	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2408961	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1252264	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1907687	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1681753	40.00	ppb	0.00
92) Perylene-d12	14.621	264	1527556	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	648433	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1252264	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1681753	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1907687	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2408961	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.390	57	76479	5.46	ppb	-0.01
111) O-terphenyl	9.358	230	119448	5.14	ppb	-0.01
Target Compounds						Qvalue
103) Benzaldehyde	3.218	105	89660	5.84	ppb	91
105) Atrazine	8.518	215	19083	3.83	ppb #	85
106) 1,2,4,5-Tetrachloroben...	5.994	216	86178	4.88	ppb	97
109) Benzidine	10.668	184	146570	6.67	ppb	99
113) Hydroquinone	5.448	110	84042	3.79	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37015.D
Acq On : 29 May 2014 11:11 am
Operator : olgaa
Sample : ic1540-5
Misc : op75027,e2p1540,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 12:30:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37016.D
Acq On : 29 May 2014 11:34 am
Operator : olgaa
Sample : ic1540-2
Misc : op75027,e2p1540,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 12:30:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

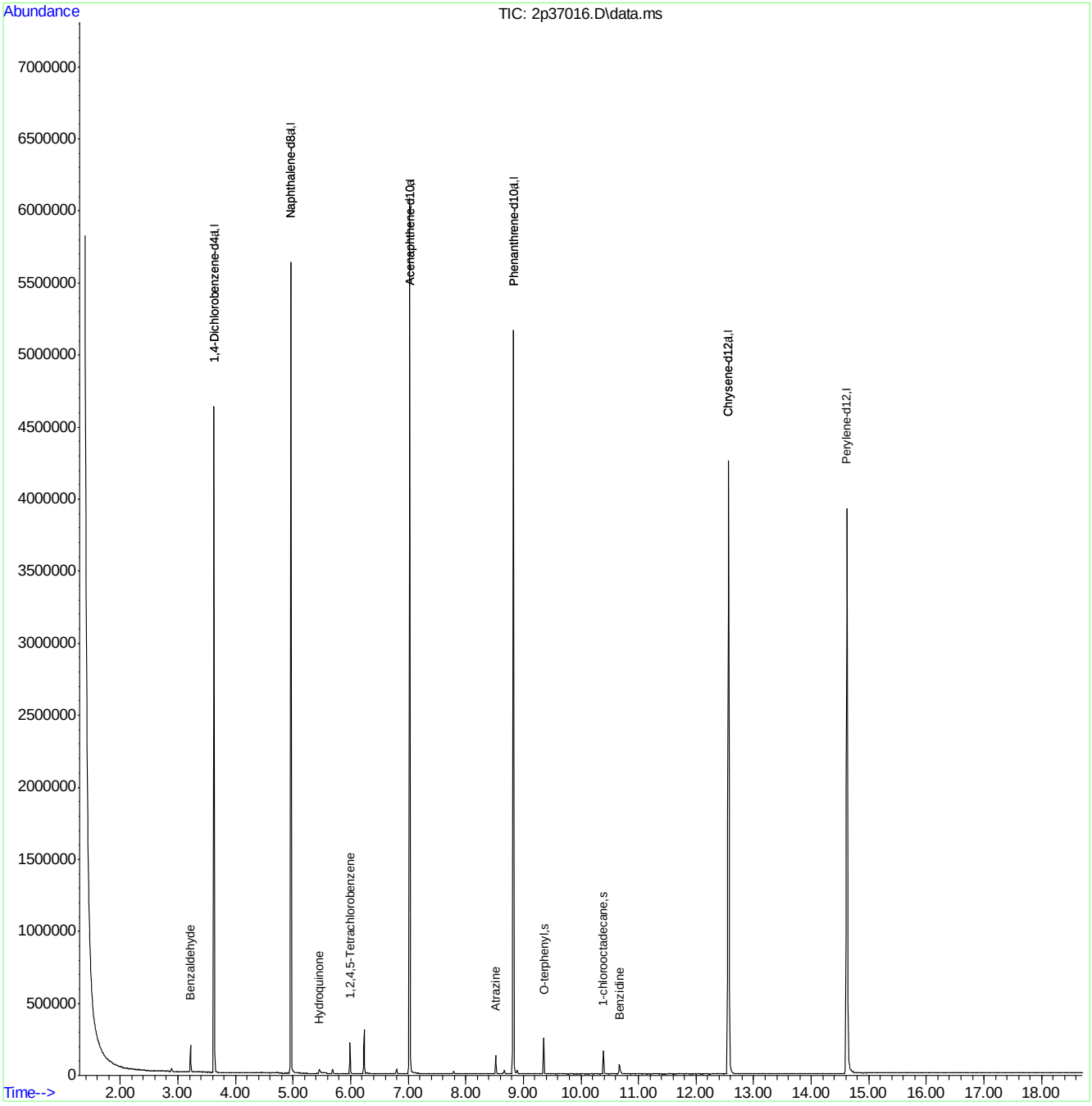
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	663055	40.00	ppb	0.00
24) Naphthalene-d8	4.961	136	2472442	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1286592	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1983243	40.00	ppb	0.00
83) Chrysene-d12	12.562	240	1748441	40.00	ppb	0.00
92) Perylene-d12	14.621	264	1573154	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	663055	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1286592	40.00	ppb	0.00
107) Chrysene-d12a	12.562	240	1748441	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1983243	40.00	ppb	0.00
112) Naphthalene-d8a	4.961	136	2472442	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.390	57	25222	1.73	ppb	-0.01
111) O-terphenyl	9.358	230	45968	1.90	ppb	-0.01
Target Compounds						Qvalue
103) Benzaldehyde	3.218	105	35326	2.25	ppb	91
105) Atrazine	8.518	215	6123	1.20	ppb	90
106) 1,2,4,5-Tetrachloroben...	5.988	216	34364	1.90	ppb	96
109) Benzidine	10.668	184	41957	1.84	ppb	98
113) Hydroquinone	5.453	110	24798	1.09	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37016.D
Acq On : 29 May 2014 11:34 am
Operator : olgaa
Sample : ic1540-2
Misc : op75027,e2p1540,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 12:30:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



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Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37017.D
Acq On : 29 May 2014 11:57 am
Operator : olgaa
Sample : ic1540-1
Misc : op75027,e2p1540,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 12:32:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration

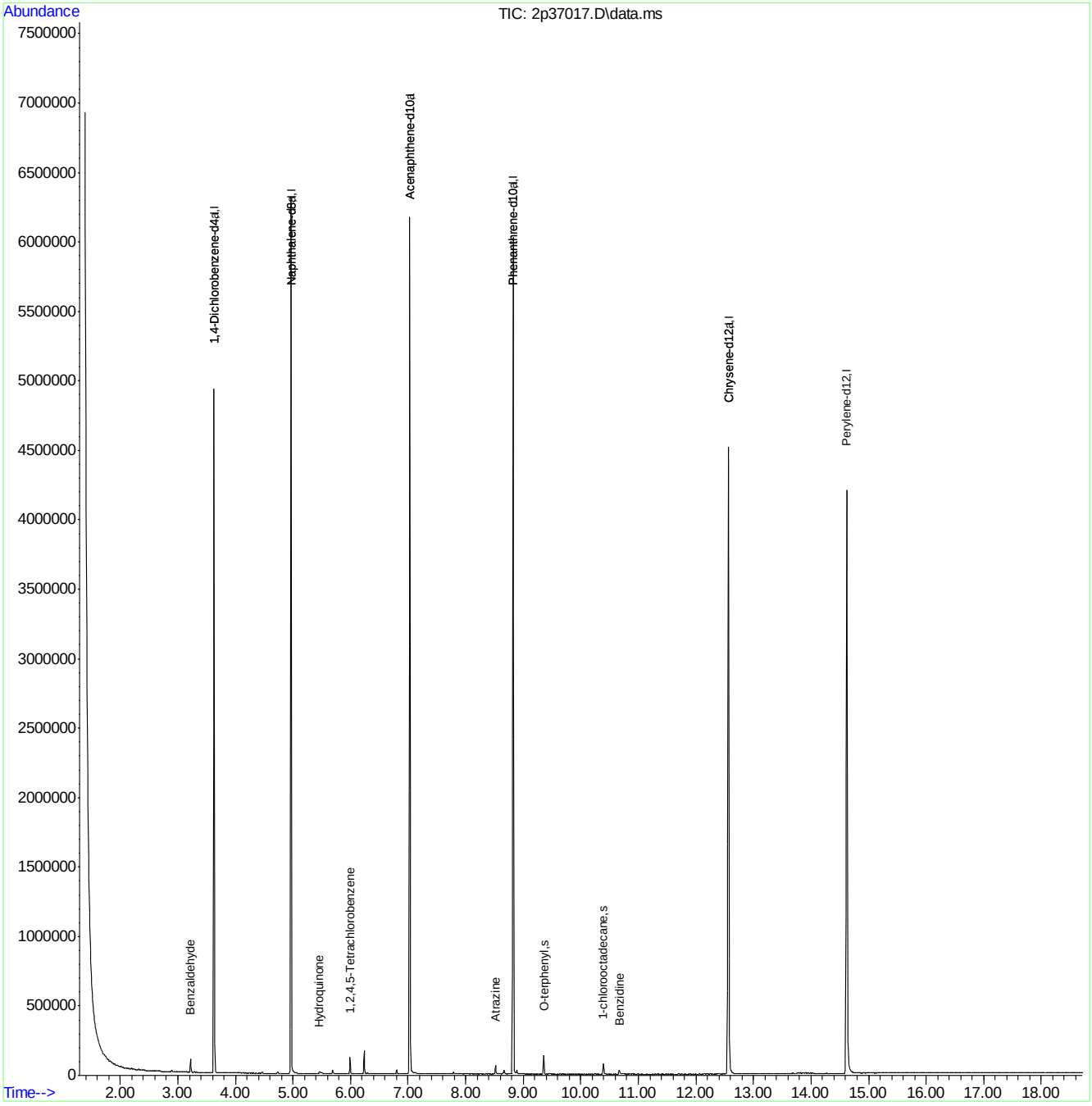
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	723255	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2681579	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1407140	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	2146254	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1876681	40.00	ppb	0.00
92) Perylene-d12	14.621	264	1708576	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	723255	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1407140	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1876681	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	2146254	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2681579	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	10.390	57	13025	0.83	ppb	-0.01
111) O-terphenyl	9.358	230	25275	0.97	ppb	-0.01
Target Compounds						Qvalue
103) Benzaldehyde	3.223	105	19657	1.15	ppb	92
105) Atrazine	8.518	215	2790	0.50	ppb	89
106) 1,2,4,5-Tetrachloroben...	5.994	216	18633	0.94	ppb	93
109) Benzidine	10.668	184	18028	0.74	ppb	96
113) Hydroquinone	5.459	110	14042m	0.57	ppb	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37017.D
Acq On : 29 May 2014 11:57 am
Operator : olgaa
Sample : ic1540-1
Misc : op75027,e2p1540,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 12:32:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration



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Manual Integration Approval Summary

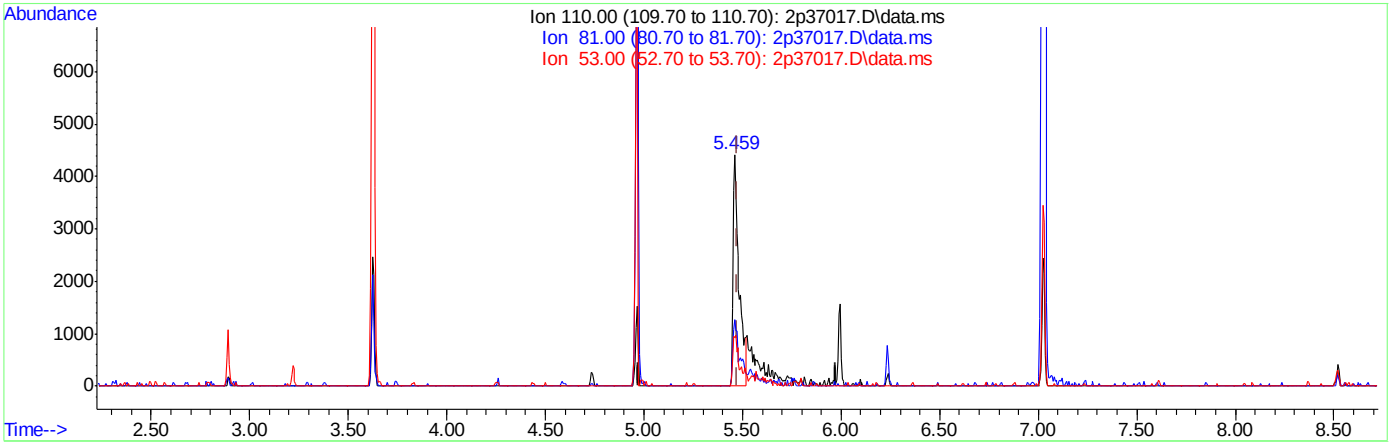
Sample Number:	E2P1540-IC1540	**Method:**	SW846 8270D
Lab FileID:	2P37017.D	**Analyst approved:**	05/29/14 12:46 Olga Azarihn
Injection Time:	05/29/14 11:57	**Supervisor approved:**	05/30/14 13:06 Nina Pandya

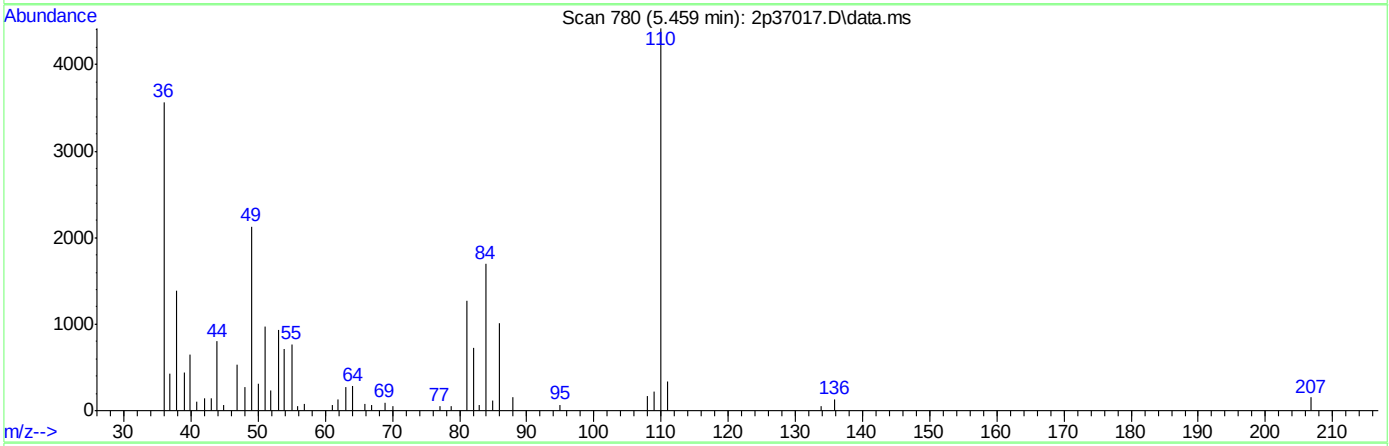
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		5.46	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37017.D
Acq On : 29 May 2014 11:57 am
Operator : olgaa
Sample : ic1540-1
Misc : op75027,e2p1540,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 12:31:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration





TIC: 2p37017.D\data.ms

(113) Hydroquinone

5.459min (-0.016) 0.38ppb

response 9388

Ion	Exp%	Act%
110.00	100	100
81.00	30.30	28.93
53.00	30.00	20.53
0.00	0.00	0.00

9.6.16.2

9

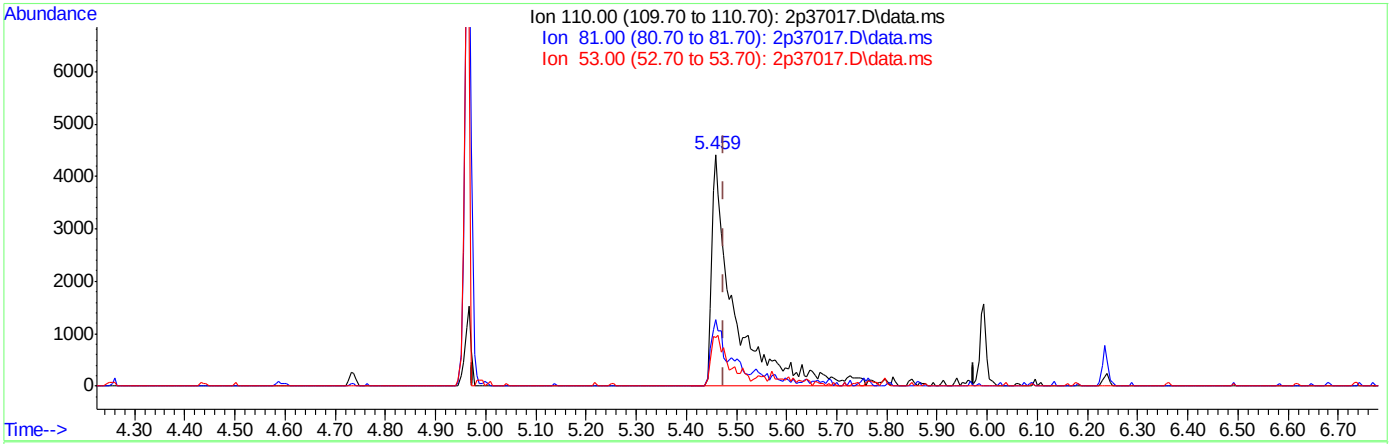
2P37017.D edits: Hydroquinone

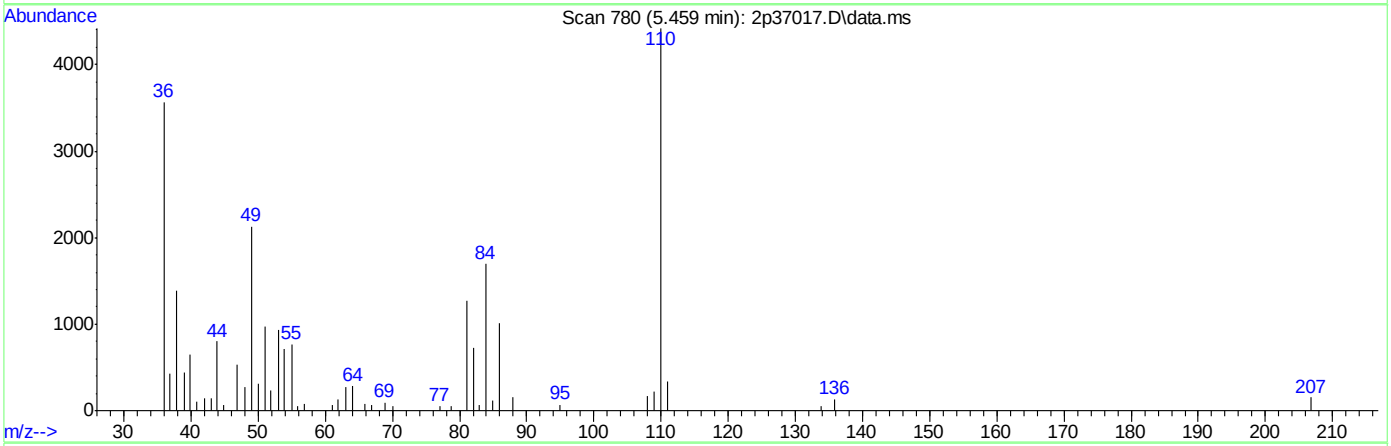
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37017.D
Acq On : 29 May 2014 11:57 am
Operator : olgaa
Sample : ic1540-1
Misc : op75027,e2p1540,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 12:31:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:24:36 2014
Response via : Initial Calibration





TIC: 2p37017.D\data.ms

(113) Hydroquinone

5.459min (-0.016) 0.57ppb m

response 14042

Ion	Exp%	Act%
110.00	100	100
81.00	30.30	28.65
53.00	30.00	21.07
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37018.D
Acq On : 29 May 2014 12:30 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 15:34:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:37:37 2014
Response via : Initial Calibration

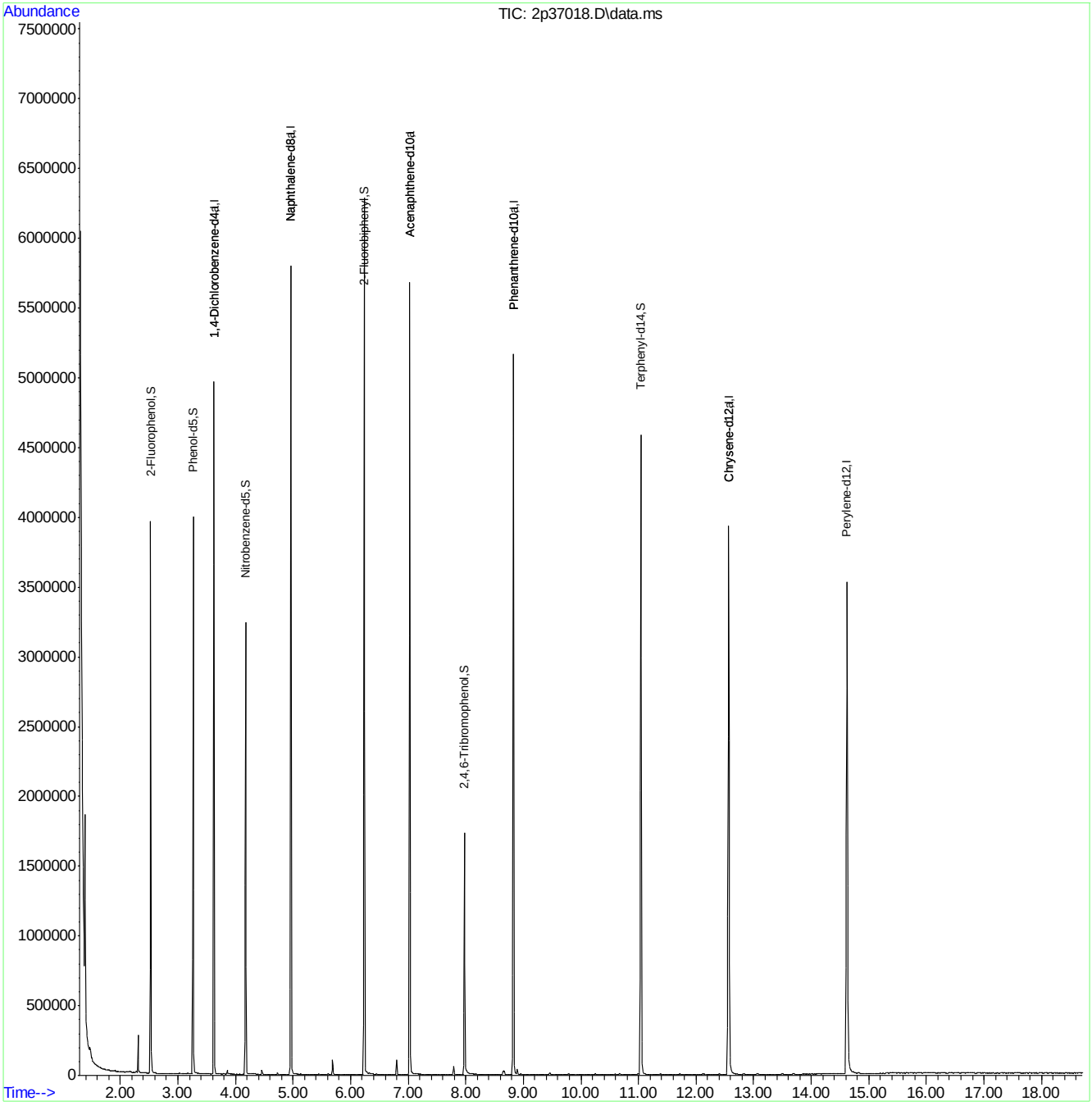
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	679686	40.00	ppb	0.00
24) Naphthalene-d8	4.961	136	2496377	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1258029	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1863494	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1600693	40.00	ppb	0.00
92) Perylene-d12	14.621	264	1424760	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	679686	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1258029	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1600693	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1863494	40.00	ppb	0.00
112) Naphthalene-d8a	4.961	136	2496377	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.528	112	990106	42.59	ppb	0.00
Spiked Amount 50.000	Range 11 - 58		Recovery = 85.18%#			
8) Phenol-d5	3.266	99	1154898	41.11	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 82.22%#			
25) Nitrobenzene-d5	4.175	82	978569	43.91	ppb	0.00
Spiked Amount 50.000	Range 19 - 61		Recovery = 87.82%#			
51) 2-Fluorobiphenyl	6.240	172	1856369	46.98	ppb	0.00
Spiked Amount 50.000	Range 21 - 58		Recovery = 93.96%#			
73) 2,4,6-Tribromophenol	7.978	330	156657	36.23	ppb	0.00
Spiked Amount 50.000	Range 12 - 68		Recovery = 72.46%#			
85) Terphenyl-d14	11.043	244	1549943	48.68	ppb	0.00
Spiked Amount 50.000	Range 16 - 65		Recovery = 97.36%#			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37018.D
Acq On : 29 May 2014 12:30 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 15:34:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:37:37 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37019.D
Acq On : 29 May 2014 12:53 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 13:18:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:37:37 2014
Response via : Initial Calibration

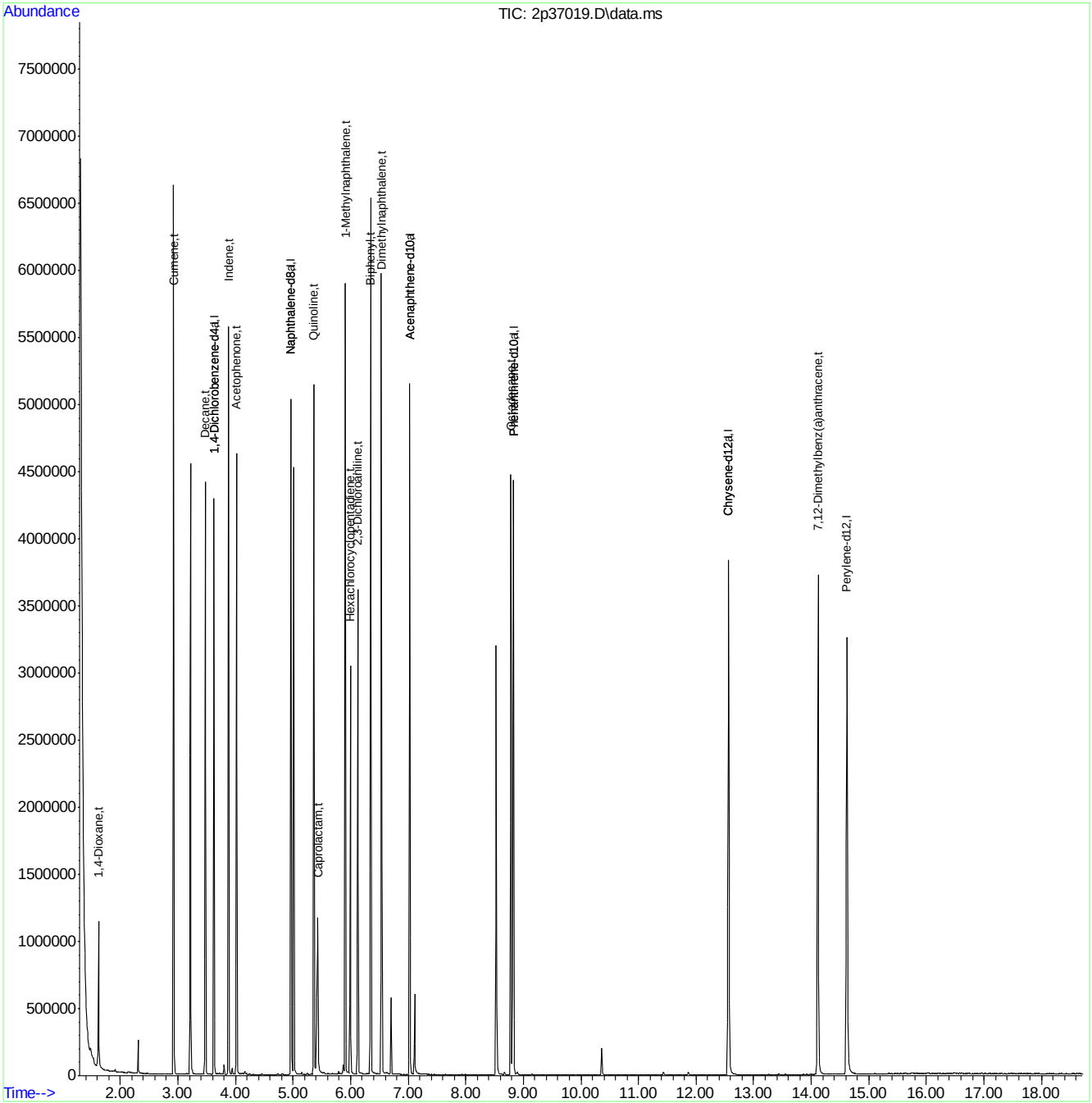
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	565396	40.00	ppb	0.00
24) Naphthalene-d8	4.961	136	2130247	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1095260	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1622261	40.00	ppb	0.00
83) Chrysene-d12	12.562	240	1477844	40.00	ppb	0.00
92) Perylene-d12	14.621	264	1275652	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	565396	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1095260	40.00	ppb	0.00
107) Chrysene-d12a	12.562	240	1477844	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	1622261	40.00	ppb	0.00
112) Naphthalene-d8a	4.961	136	2130247	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.624	88	362042	43.04	ppb	96
6) Indene	3.881	116	1581074	42.51	ppb	99
7) Cumene	2.924	105	2175514	40.71	ppb	100
13) Decane	3.474	57	845942	39.11	ppb	99
18) Acetophenone	4.020	105	1216835	39.74	ppb	88
27) Quinoline	5.363	129	1760330	38.88	ppb	99
40) 2,3-Dichloroaniline	6.127	161	731503	32.79	ppb	98
41) Caprolactam	5.432	113	230721	36.14	ppb	96
45) 1-Methylnaphthalene	5.908	141	1445688	38.80	ppb	100
46) Dimethylnaphthalene	6.539	156	1394739	38.65	ppb	98
48) Hexachlorocyclopentadiene	5.994	237	344622	43.45	ppb	97
53) Biphenyl	6.352	154	1929084	40.38	ppb	99
82) Octadecane	8.786	43	602167	40.39	ppb	99
100) 7,12-Dimethylbenz(a)an...	14.118	256	847201	39.78	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37019.D
Acq On : 29 May 2014 12:53 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 13:18:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:37:37 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37019a.D
Acq On : 29 May 2014 12:53 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 16:58:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:56:51 2014
Response via : Initial Calibration

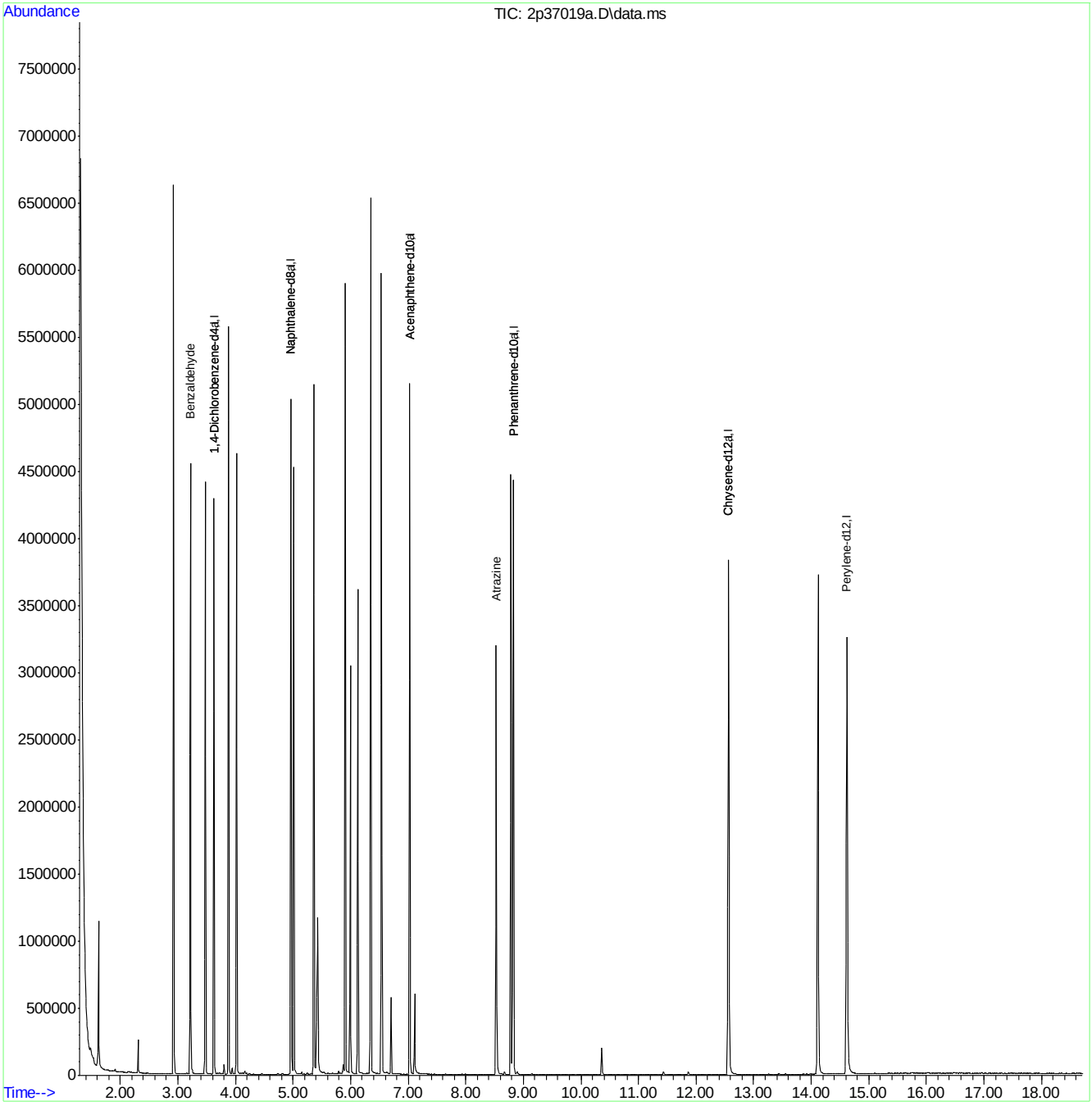
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	565396	40.00	ppb	0.00
24) Naphthalene-d8	4.961	136	2130247	40.00	ppb	0.00
47) Acenaphthene-d10	7.026	164	1095260	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	1622261	40.00	ppb	0.00
83) Chrysene-d12	12.562	240	1477844	40.00	ppb	-0.02
92) Perylene-d12	14.621	264	1275652	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.624	152	565396	40.00	ppb	0.00
104) Acenaphthene-d10a	7.026	164	1095260	40.00	ppb	0.00
107) Chrysene-d12a	12.562	240	1477844	40.00	ppb	-0.02
110) Phenanthrene-d10a	8.828	188	1622261	40.00	ppb	0.00
112) Naphthalene-d8a	4.961	136	2130247	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
103) Benzaldehyde	3.218	105	761856	50.79	ppb	99
105) Atrazine	8.529	215	184042	48.40	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37019a.D
Acq On : 29 May 2014 12:53 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 16:58:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:56:51 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020a.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:56:51 2014
Response via : Initial Calibration

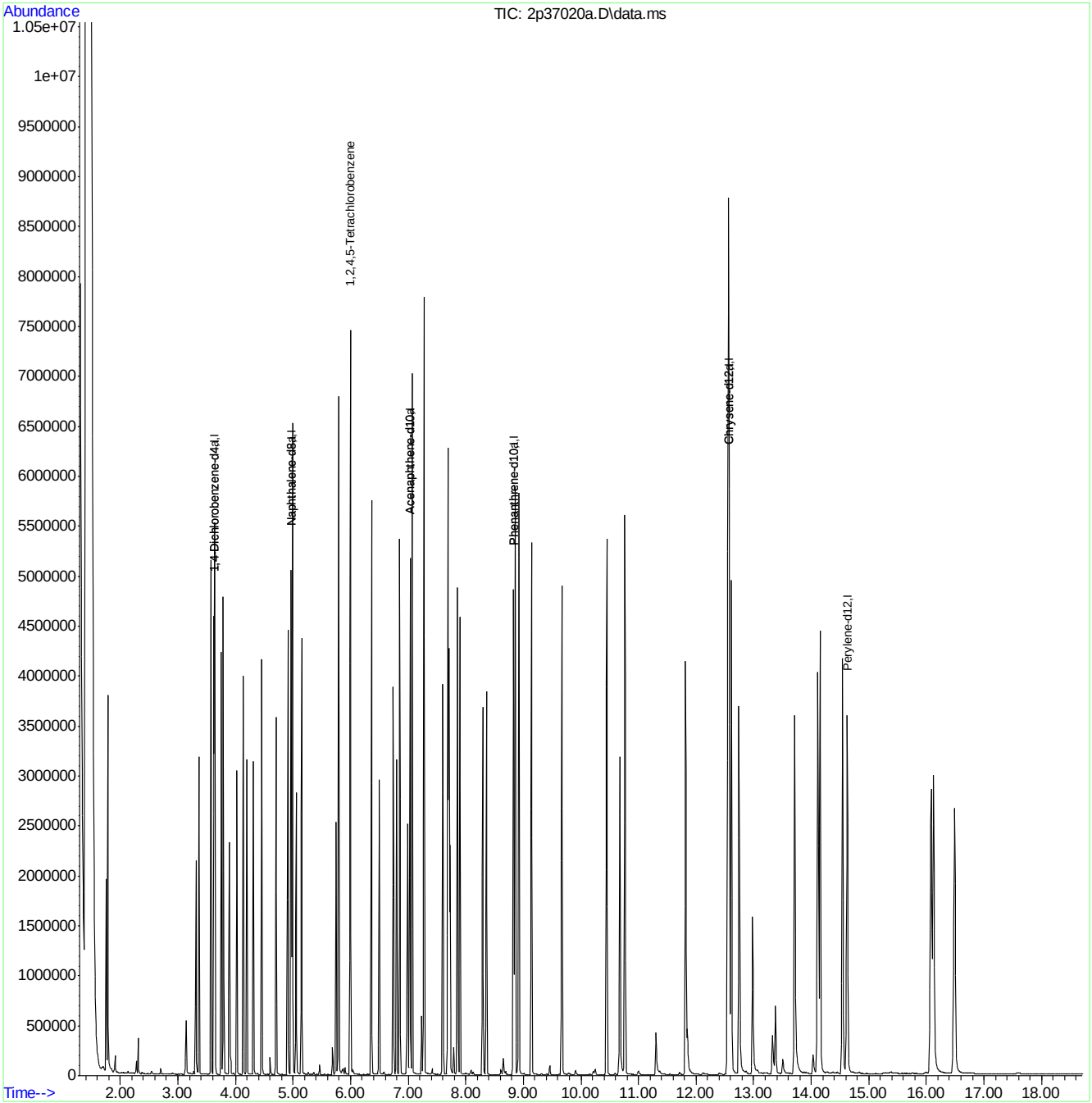
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	621592	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2232793	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1150844	40.00	ppb	0.00
69) Phenanthrene-d10	8.829	188	1820394	40.00	ppb	0.00
83) Chrysene-d12	12.573	240	1571194	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1390528	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	621592	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1150844	40.00	ppb	0.00
107) Chrysene-d12a	12.573	240	1571194	40.00	ppb	0.00
110) Phenanthrene-d10a	8.829	188	1820394	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2232793	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
106) 1,2,4,5-Tetrachloroben...	5.994	216	823880	51.99	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020a.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:59:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:56:51 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
05/30/14 13:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.624	152	621592	40.00	ppb		0.00
24) Naphthalene-d8	4.967	136	2232793	40.00	ppb		0.00
47) Acenaphthene-d10	7.031	164	1150844	40.00	ppb		0.00
69) Phenanthrene-d10	8.829	188	1820394	40.00	ppb		0.00
83) Chrysene-d12	12.573	240	1571194	40.00	ppb		0.00
92) Perylene-d12	14.626	264	1390528	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	621592	40.00	ppb		0.00
104) Acenaphthene-d10a	7.031	164	1150844	40.00	ppb		0.00
107) Chrysene-d12a	12.573	240	1571194	40.00	ppb		0.00
110) Phenanthrene-d10a	8.829	188	1820394	40.00	ppb		0.00
112) Naphthalene-d8a	4.967	136	2232793	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#			
8) Phenol-d5	0.000	99	0	0.00	ppb		
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#			
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#			
85) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#			
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
111) O-terphenyl	0.000	230	0	0.00	ppb		
Target Compounds							Qvalue
3) Pyridine	1.779	79	950584	39.79	ppb		98
4) N-Nitrosodimethylamine	1.752	74	525922	44.02	ppb		99
11) bis(2-Chloroethyl)ether	3.362	93	904991	47.14	ppb		100
14) 1,3-Dichlorobenzene	3.571	146	1145296	45.07	ppb		100
15) 1,4-Dichlorobenzene	3.640	146	1116338	44.34	ppb		98
16) Benzyl alcohol	3.753	108	616854	43.91	ppb		96
17) 1,2-Dichlorobenzene	3.790	146	1041267	44.05	ppb		99
20) 2,2'-oxybis(1-Chloropr...	3.892	121	280175	45.80	ppb	#	90
22) n-Nitroso-di-n-propyla...	4.025	70	608088	48.06	ppb		99
23) Hexachloroethane	4.138	201	341457	43.63	ppb		92
26) Nitrobenzene	4.197	77	905199	44.13	ppb		99
28) Isophorone	4.453	82	1522124	43.44	ppb		99
32) bis(2-Chloroethoxy)met...	4.705	93	1055371	48.58	ppb		100
36) 1,2,4-Trichlorobenzene	4.908	180	825407	45.67	ppb		98
38) Naphthalene	4.988	128	2642277	44.33	ppb		100
42) Hexachlorobutadiene	5.149	225	403939	45.90	ppb		99
44) 2-Methylnaphthalene	5.790	141	1570119	45.41	ppb		98
52) 2-Chloronaphthalene	6.363	162	1614879	47.32	ppb		99
54) 2-Nitroaniline	6.497	65	441416	44.88	ppb		97
55) Dimethylphthalate	6.743	163	1713981	45.90	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Acenaphthylene	6.855	152	2186083	38.93	ppb	100
57) 2,6-Dinitrotoluene	6.801	165	353995	44.57	ppb	90
58) 3-Nitroaniline	6.994	138	423172	39.58	ppb	98
59) Acenaphthene	7.069	153	1623983	46.41	ppb	97
62) Dibenzofuran	7.277	168	2108461	45.49	ppb	99
63) 2,4-Dinitrotoluene	7.277	165	453647	43.38	ppb	99
65) Diethylphthalate	7.598	149	1794534	46.08	ppb	99
66) Fluorene	7.689	166	1762254	46.91	ppb	99
67) 4-Chlorophenyl-phenyle...	7.711	204	722496	46.99	ppb	95
68) 4-Nitroaniline	7.732	138	453179	43.48	ppb	97
71) n-Nitrosodiphenylamine	7.855	169	1160682	45.90	ppb	99
72) 1,2-Diphenylhydrazine	7.898	77	1730478	43.74	ppb	99
74) 4-Bromophenyl-phenylether	8.299	248	414781	46.48	ppb	94
75) Hexachlorobenzene	8.363	284	457844	43.61	ppb	96
77) Phenanthrene	8.861	178	2364042	44.62	ppb	99
78) Anthracene	8.925	178	2371388	45.48	ppb	99
79) Carbazole	9.144	167	2364968	38.91	ppb	100
80) Di-n-butylphthalate	9.668	149	3000282	45.57	ppb	99
81) Fluoranthene	10.449	202	2485226	44.48	ppb	99
84) Pyrene	10.765	202	2525047	46.07	ppb	99
86) Butylbenzylphthalate	11.818	149	1295097	50.40	ppb	98
88) Benzo[a]anthracene	12.557	228	2097431	45.15	ppb	99
90) Chrysene	12.610	228	1937908	47.86	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.749	149	1687119	49.05	ppb	99
93) Di-n-octylphthalate	13.712	149	2965028	42.19	ppb	99
94) Benzo[b]fluoranthene	14.113	252	2006139	44.38	ppb	98
95) Benzo[k]fluoranthene	14.156	252	1983363	48.07	ppb	98
96) Benzo[a]pyrene	14.546	252	1854086	48.41	ppb	97
97) Indeno[1,2,3-cd]pyrene	16.081	276	2194408m	47.90	ppb	
99) Dibenz[a,h]anthracene	16.129	278	1757817	48.08	ppb	100
101) Benzo[g,h,i]perylene	16.498	276	1834053	49.16	ppb	98

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

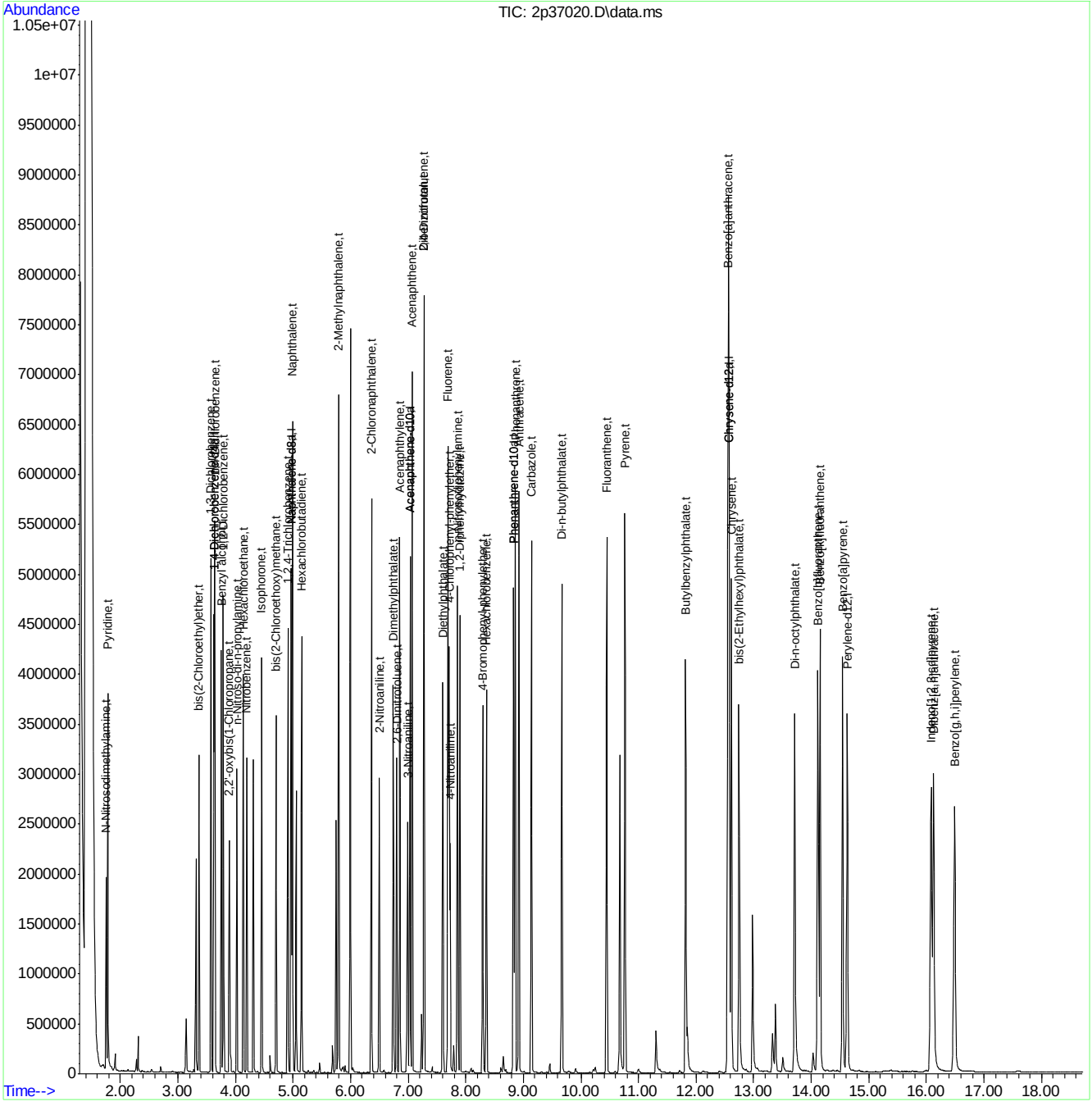
9.6.21

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration



Manual Integration Approval Summary

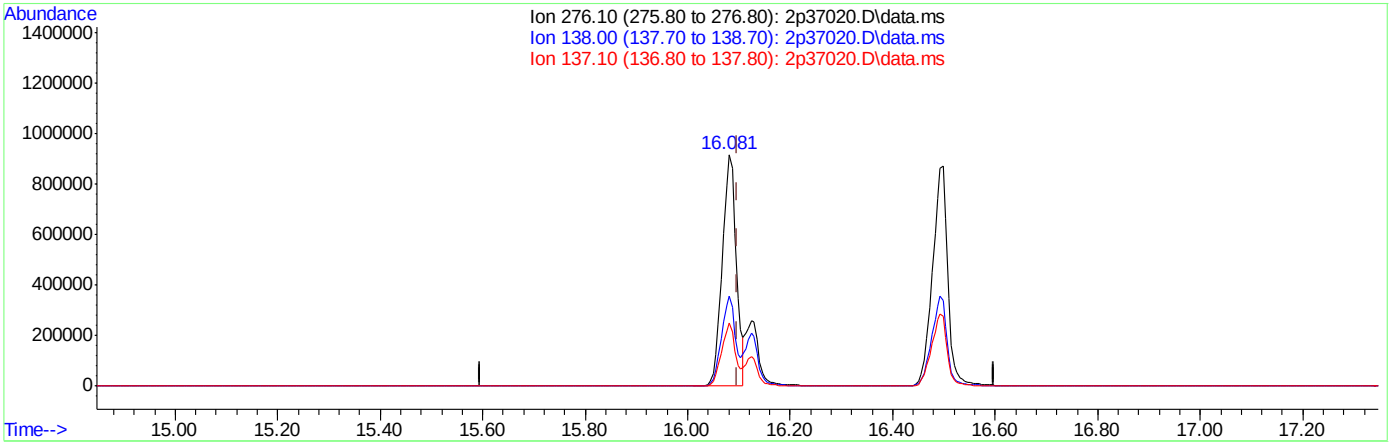
Sample Number:	E2P1540-ICV1539	**Method:**	SW846 8270D
Lab FileID:	2P37020.D	**Analyst approved:**	05/29/14 17:05 Olga Azarihn
Injection Time:	05/29/14 13:24	**Supervisor approved:**	05/30/14 13:06 Nina Pandya

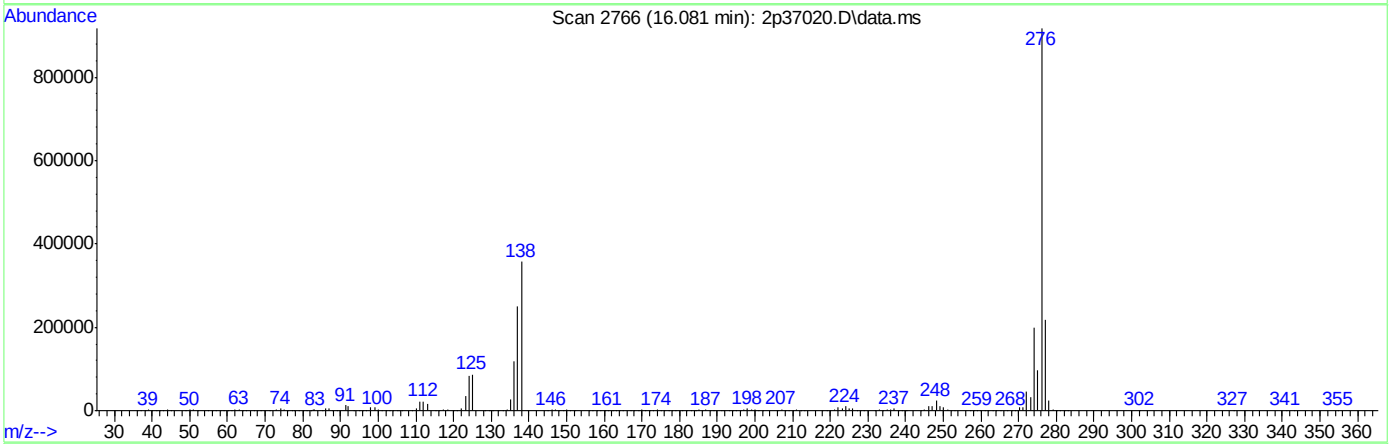
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.08	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:41:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration





TIC: 2p37020.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.081min (-0.016) 37.95ppb

response 1738686

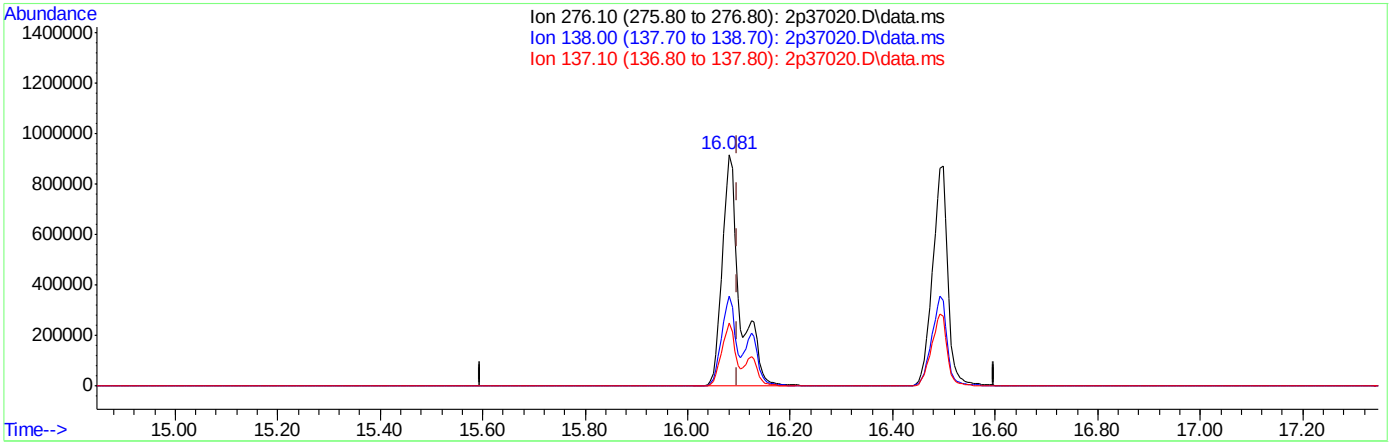
Ion	Exp%	Act%
276.10	100	100
138.00	37.50	35.82
137.10	25.90	25.92
0.00	0.00	0.00

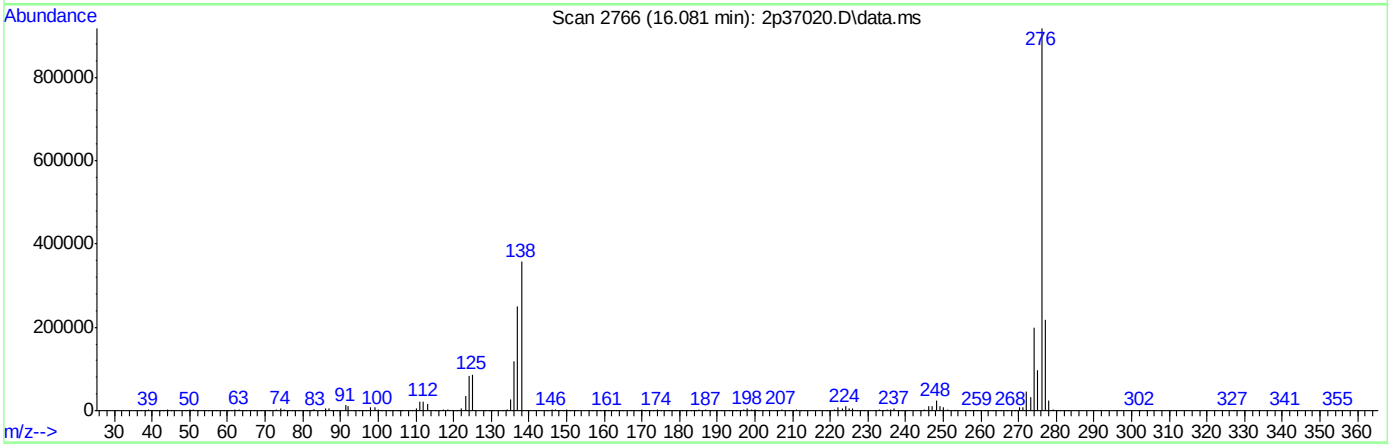
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37020.D
Acq On : 29 May 2014 1:24 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 16:41:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration





TIC: 2p37020.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

16.081min (-0.016) 47.90ppb m

response 2194408

Ion	Exp%	Act%
276.10	100	100
138.00	37.50	38.87
137.10	25.90	27.25
0.00	0.00	0.00

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37022.D
Acq On : 29 May 2014 2:43 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:49:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:37:37 2014
Response via : Initial Calibration

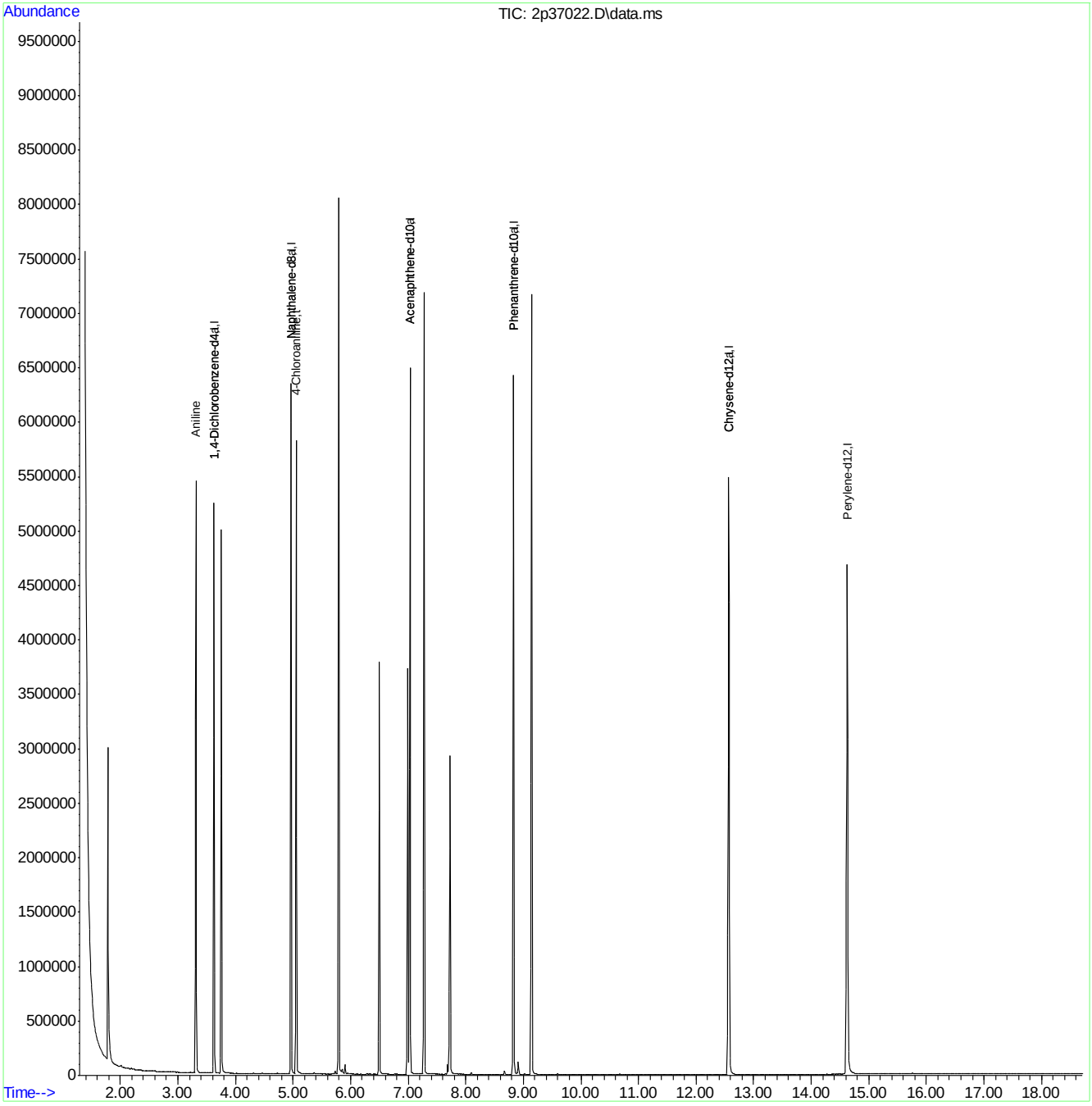
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	759959	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2862323	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1484873	40.00	ppb	0.00
69) Phenanthrene-d10	8.829	188	2393913	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	2210147	40.00	ppb	0.00
92) Perylene-d12	14.626	264	1956730	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.624	152	759959	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1484873	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	2210147	40.00	ppb	0.00
110) Phenanthrene-d10a	8.829	188	2393913	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2862323	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
10) Aniline	3.314	93	1915907	53.37	ppb	99
39) 4-Chloroaniline	5.058	127	1637593	49.34	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37022.D
Acq On : 29 May 2014 2:43 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 16:49:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 12:37:37 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37023.D
Acq On : 29 May 2014 3:06 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 16:51:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration

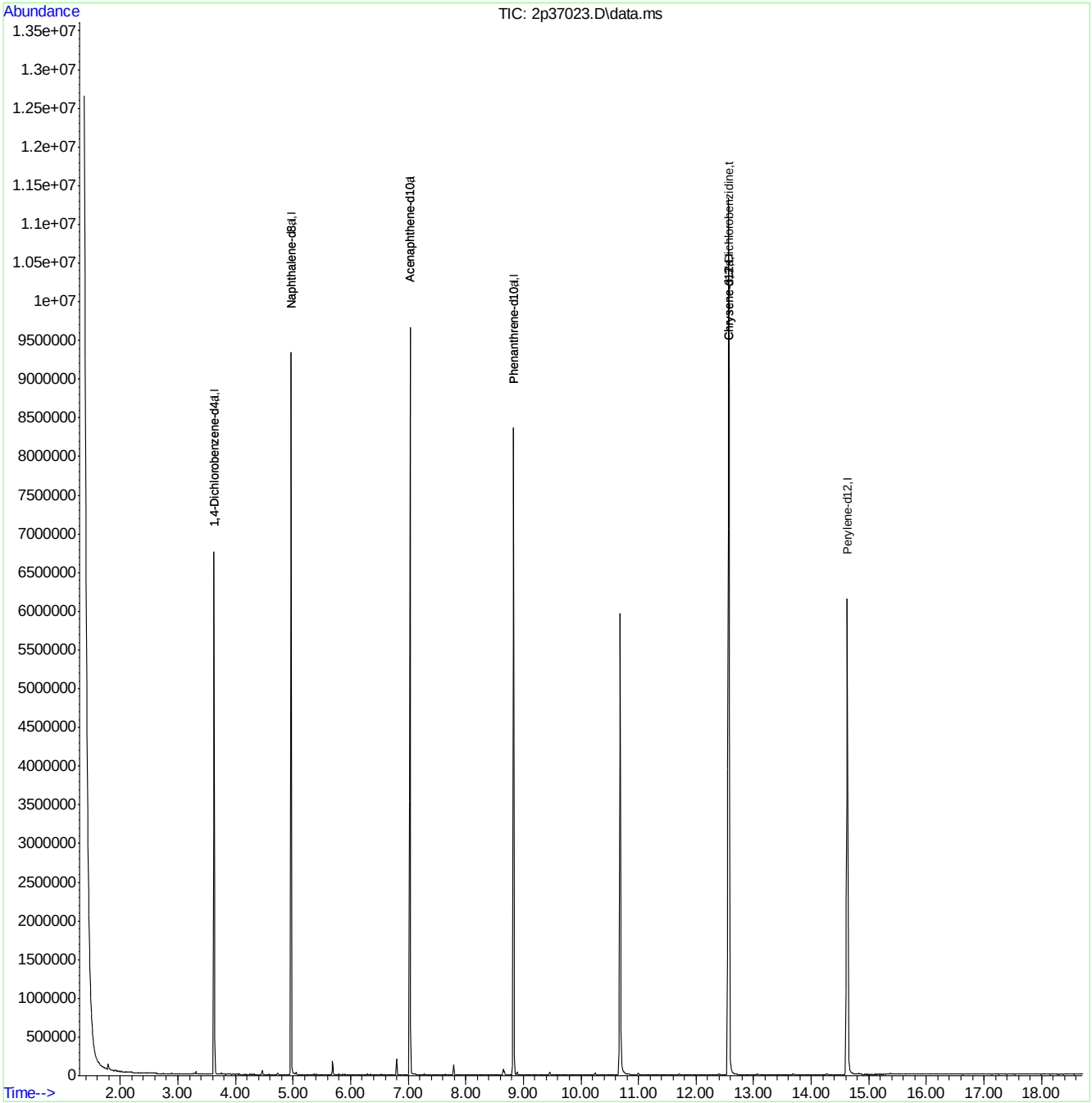
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.630	152	1106081	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	4039692	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	2148701	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	3365257	40.00	ppb	0.00
83) Chrysene-d12	12.572	240	3112227	40.00	ppb	0.00
92) Perylene-d12	14.626	264	2932338	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.630	152	1106081	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	2148701	40.00	ppb	0.00
107) Chrysene-d12a	12.572	240	3112227	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	3365257	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	4039692	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	12.567	252	1451053	48.90	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37023.D
Acq On : 29 May 2014 3:06 pm
Operator : olgaa
Sample : icv1539-50
Misc : op75027,e2p1540,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 16:51:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37023a.D
Acq On : 29 May 2014 3:06 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 17:01:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:56:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.630	152	1106081	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	4039692	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	2148701	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	3365257	40.00	ppb	0.00
83) Chrysene-d12	12.572	240	3112227	40.00	ppb	0.00
92) Perylene-d12	14.626	264	2932338	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.630	152	1106081	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	2148701	40.00	ppb	0.00
107) Chrysene-d12a	12.572	240	3112227	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	3365257	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	4039692	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
109) Benzidine	10.684	184	2979442	54.14	ppb	99

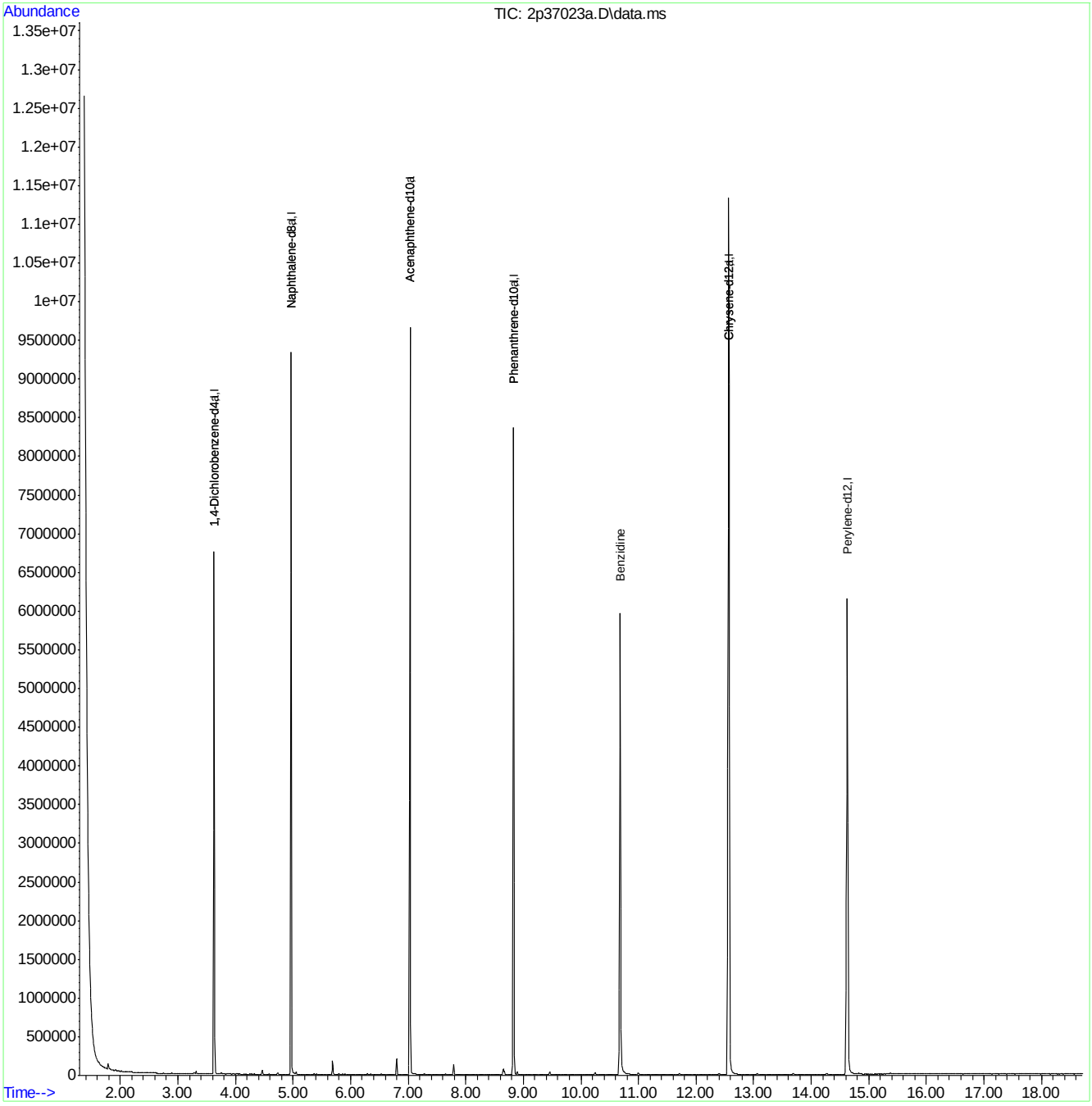
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37023a.D
Acq On : 29 May 2014 3:06 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 17:01:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:56:51 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37024.D
Acq On : 29 May 2014 3:29 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 29 16:52:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration

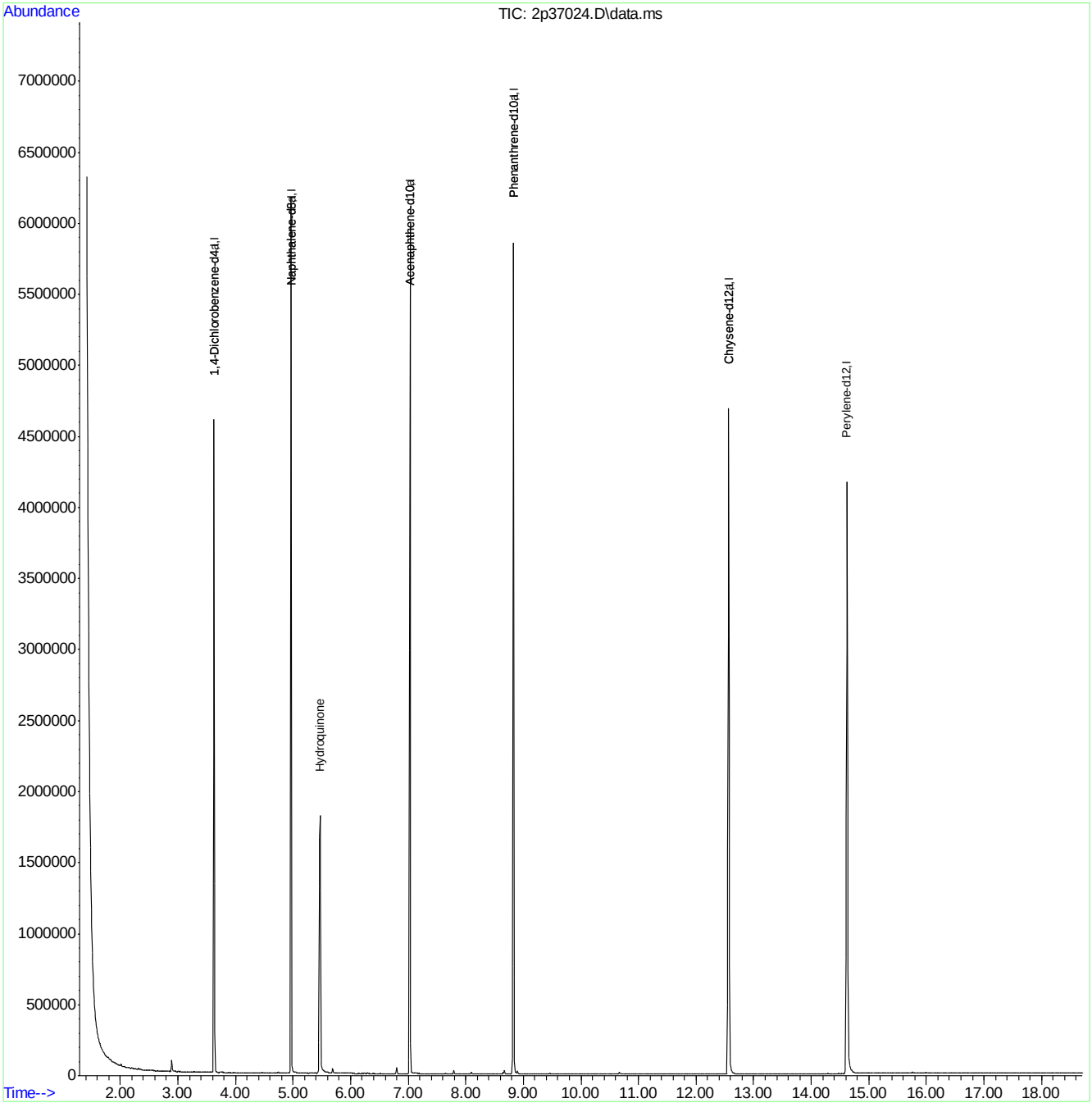
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.624	152	705891	40.00	ppb	0.00
24) Naphthalene-d8	4.967	136	2650216	40.00	ppb	0.00
47) Acenaphthene-d10	7.031	164	1386524	40.00	ppb	0.00
69) Phenanthrene-d10	8.828	188	2135308	40.00	ppb	0.00
83) Chrysene-d12	12.567	240	1930968	40.00	ppb	-0.01
92) Perylene-d12	14.621	264	1694245	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.624	152	705891	40.00	ppb	0.00
104) Acenaphthene-d10a	7.031	164	1386524	40.00	ppb	0.00
107) Chrysene-d12a	12.567	240	1930968	40.00	ppb	0.00
110) Phenanthrene-d10a	8.828	188	2135308	40.00	ppb	0.00
112) Naphthalene-d8a	4.967	136	2650216	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
113) Hydroquinone	5.469	110	1197310	51.96	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1540\
Data File : 2p37024.D
Acq On : 29 May 2014 3:29 pm
Operator : olgaa
Sample : icv1540-50
Misc : op75027,e2p1540,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 29 16:52:18 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu May 29 16:41:03 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1541\
Data File : 2p37028.D
Acq On : 29 May 2014 7:03 pm
Operator : ashleyd
Sample : icv1539-50
Misc : op75027,e2p1541
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 30 09:32:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.619	152	579615	40.00	ppb	0.00
24) Naphthalene-d8	4.956	136	2107291	40.00	ppb	-0.01
47) Acenaphthene-d10	7.021	164	1135127	40.00	ppb	-0.01
69) Phenanthrene-d10	8.823	188	1672835	40.00	ppb	-0.01
83) Chrysene-d12	12.557	240	1525537	40.00	ppb	-0.02
92) Perylene-d12	14.610	264	1382489	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.619	152	579615	40.00	ppb	0.00
104) Acenaphthene-d10a	7.021	164	1135127	40.00	ppb	-0.01
107) Chrysene-d12a	12.557	240	1525537	40.00	ppb	-0.02
110) Phenanthrene-d10a	8.823	188	1672835	40.00	ppb	-0.01
112) Naphthalene-d8a	4.956	136	2107291	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
108) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
111) O-terphenyl	0.000	230	0	0.00	ppb	
Target Compounds						Qvalue
9) Phenol	3.271	94	1197990	46.64	ppb	96
12) 2-Chlorophenol	3.421	128	1063616	48.58	ppb	94
19) 2-Methylphenol	3.860	108	889010	49.60	ppb	99
21) 3&4-Methylphenol	4.015	108	911889	48.95	ppb	98
29) 2-Nitrophenol	4.534	139	507290	50.37	ppb	93
30) 2,4-Dimethylphenol	4.592	107	931507	59.62	ppb	98
31) Benzoic acid	4.731	105	554047	42.44	ppb	98
33) 2,4-Dichlorophenol	4.801	162	763147	49.88	ppb	99
34) 2,6-Dichlorophenol	5.058	162	752800	51.93	ppb	98
43) 4-Chloro-3-methylphenol	5.625	107	775020	47.87	ppb	96
49) 2,4,6-Trichlorophenol	6.127	196	502517	52.98	ppb	99
50) 2,4,5-Trichlorophenol	6.165	196	532134	50.34	ppb	97
60) 2,4-Dinitrophenol	7.106	184	114239	35.45	ppb	88
61) 4-Nitrophenol	7.213	109	250282	53.07	ppb	93
64) 2,3,4,6-Tetrachlorophenol	7.427	232	370260	53.71	ppb	98
70) 4,6-Dinitro-2-methylph...	7.753	198	209317	42.46	ppb	96
76) Pentachlorophenol	8.599	266	288887	49.00	ppb	99

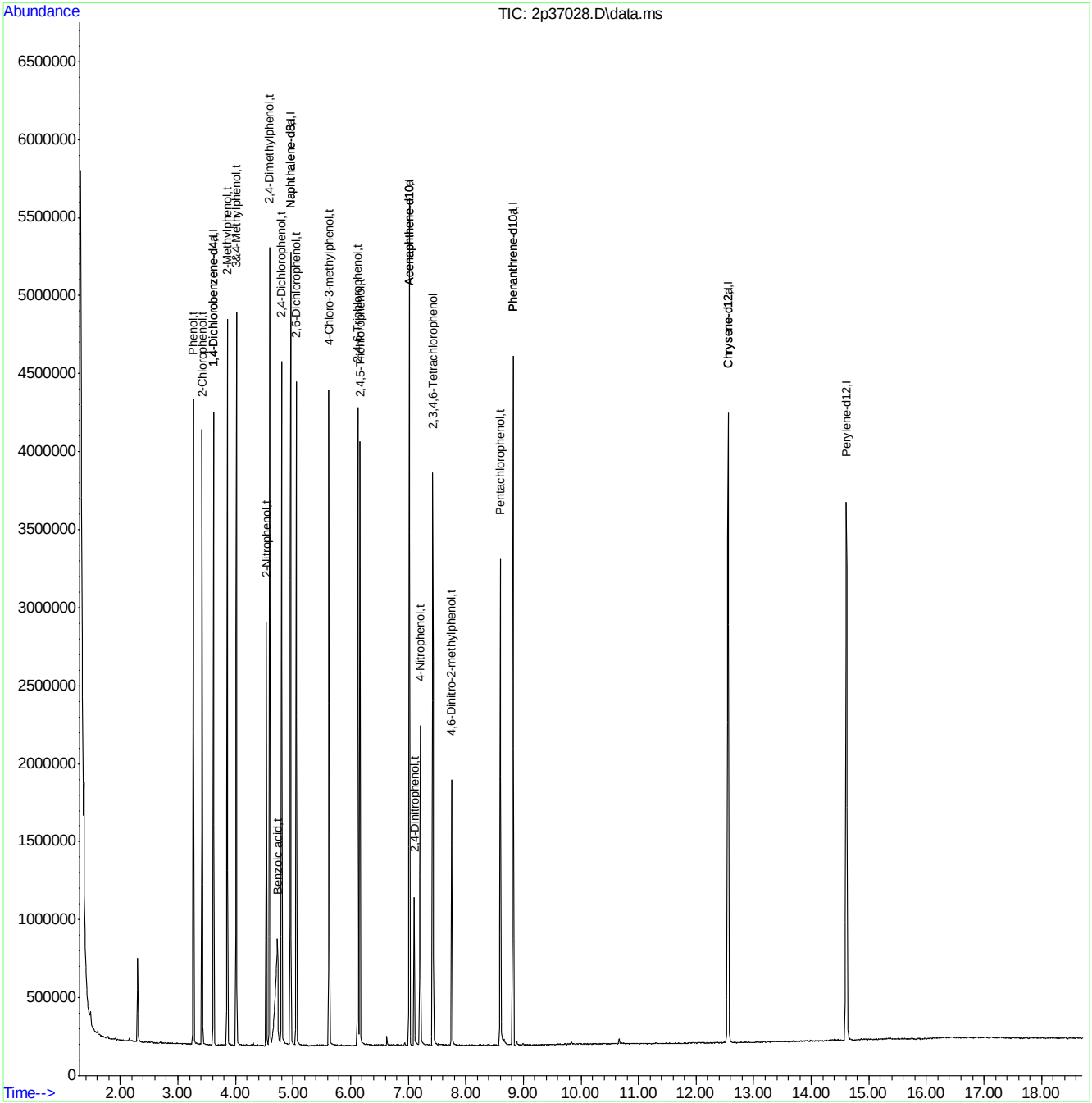
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1541\
Data File : 2p37028.D
Acq On : 29 May 2014 7:03 pm
Operator : ashleyd
Sample : icv1539-50
Misc : op75027,e2p1541
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 30 09:32:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37280.D
Acq On : 5 Jun 2014 11:20 pm
Operator : ashleyd
Sample : cc1539-25
Misc : op75027,e2p1551
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:37:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.597	152	434191	40.00	ppb	-0.03
24) Naphthalene-d8	4.940	136	1661196	40.00	ppb	-0.03
47) Acenaphthene-d10	7.004	164	911534	40.00	ppb	-0.03
69) Phenanthrene-d10	8.812	188	1453392	40.00	ppb	-0.02
83) Chrysene-d12	12.567	240	1322227	40.00	ppb	-0.01
92) Perylene-d12	14.637	264	959080	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.597	152	434191	40.00	ppb	-0.03
104) Acenaphthene-d10a	7.004	164	911534	40.00	ppb	-0.03
107) Chrysene-d12a	12.567	240	1322227	40.00	ppb	-0.01
109) Naphthalene-d8a	4.940	136	1661196	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.506	112	365342	24.60	ppb	-0.02
Spiked Amount 50.000	Range 11 - 58		Recovery = 49.20%			
8) Phenol-d5	3.266	99	439288	24.48	ppb	0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 48.96%			
25) Nitrobenzene-d5	4.154	82	390516	26.33	ppb	-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 52.66%			
51) 2-Fluorobiphenyl	6.207	172	702293	24.53	ppb	-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 49.06%			
73) 2,4,6-Tribromophenol	7.967	330	95961	28.46	ppb	-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 56.92%			
85) Terphenyl-d14	11.021	244	688001	26.16	ppb	-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 52.32%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.586	88	165461	25.53	ppb	86
3) Pyridine	1.752	79	395259	23.68	ppb	83
4) N-Nitrosodimethylamine	1.720	74	202406	24.25	ppb #	61
6) Indene	3.849	116	765884	26.81	ppb	98
7) Cumene	2.891	105	1084032	26.41	ppb	97
9) Phenol	3.276	94	499565	25.96	ppb	83
10) Aniline	3.287	93	465610	22.70	ppb	72
11) bis(2-Chloroethyl)ether	3.335	93	327140	24.40	ppb	95
12) 2-Chlorophenol	3.405	128	414739	25.29	ppb	96
13) Decane	3.437	57	463704	27.91	ppb	93
14) 1,3-Dichlorobenzene	3.544	146	440926	24.84	ppb	96
15) 1,4-Dichlorobenzene	3.613	146	447416	25.44	ppb	98
16) Benzyl alcohol	3.731	108	235094	23.96	ppb	88
17) 1,2-Dichlorobenzene	3.763	146	421479	25.53	ppb	99
18) Acetophenone	3.998	105	635950	27.05	ppb	90
19) 2-Methylphenol	3.859	108	350798	26.12	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.865	121	108006	25.28	ppb #	75
21) 3&4-Methylphenol	4.020	108	362596	25.98	ppb	98
22) n-Nitroso-di-n-propyla...	3.998	70	257645	29.15	ppb	90
23) Hexachloroethane	4.100	201	146806	26.85	ppb	99
26) Nitrobenzene	4.175	77	413833	27.12	ppb	97
27) Quinoline	5.346	129	865502	24.51	ppb	98
28) Isophorone	4.426	82	677119	25.97	ppb	92

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37280.D
Acq On : 5 Jun 2014 11:20 pm
Operator : ashleyd
Sample : cc1539-25
Misc : op75027,e2p1551
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:37:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.517	139	221269	27.87	ppb		85
30) 2,4-Dimethylphenol	4.587	107	347086	28.18	ppb		95
31) Benzoic acid	4.731	105	256216	26.68	ppb		97
32) bis(2-Chloroethoxy)met...	4.672	93	396056	24.50	ppb		99
33) 2,4-Dichlorophenol	4.801	162	307830	25.53	ppb		99
34) 2,6-Dichlorophenol	5.047	162	302117	26.44	ppb		99
35) 1,3,5-Trichlorobenzene	4.533	180	418998	26.29	ppb		100
36) 1,2,4-Trichlorobenzene	4.881	180	342398	25.47	ppb		99
37) 1,2,3-Trichlorobenzene	5.132	180	375722	25.43	ppb		97
38) Naphthalene	4.961	128	1112901	25.09	ppb		99
39) 4-Chloroaniline	5.036	127	462775	24.03	ppb		96
40) 2,3-Dichloroaniline	6.106	161	440097	25.29	ppb		98
41) Caprolactam	5.437	113	126198	25.36	ppb		91
42) Hexachlorobutadiene	5.111	225	177433	27.10	ppb		99
43) 4-Chloro-3-methylphenol	5.646	107	342024	26.80	ppb		91
44) 2-Methylnaphthalene	5.763	141	654350	25.44	ppb		96
45) 1-Methylnaphthalene	5.881	141	749168	25.78	ppb		99
46) Dimethylnaphthalene	6.512	156	730192	25.95	ppb		100
48) Hexachlorocyclopentadiene	5.961	237	331080	50.16	ppb		98
49) 2,4,6-Trichlorophenol	6.127	196	211968	27.83	ppb		99
50) 2,4,5-Trichlorophenol	6.181	196	232345	27.37	ppb		98
52) 2-Chloronaphthalene	6.341	162	681093	25.20	ppb		99
53) Biphenyl	6.325	154	1016408	25.56	ppb		100
54) 2-Nitroaniline	6.480	65	234120	30.06	ppb		91
55) Dimethylphthalate	6.710	163	746937	25.25	ppb		99
56) Acenaphthylene	6.833	152	1117233	25.12	ppb		100
57) 2,6-Dinitrotoluene	6.780	165	174230	27.70	ppb		98
58) 3-Nitroaniline	6.978	138	213713	25.24	ppb		89
59) Acenaphthene	7.042	153	692795	25.00	ppb		99
60) 2,4-Dinitrophenol	7.117	184	174704	56.53	ppb		84
61) 4-Nitrophenol	7.261	109	125008	33.01	ppb	#	1
62) Dibenzofuran	7.256	168	935171	25.47	ppb		91
63) 2,4-Dinitrotoluene	7.272	165	238393	28.78	ppb		93
64) 2,3,4,6-Tetrachlorophenol	7.427	232	170160	30.74	ppb		99
65) Diethylphthalate	7.566	149	809736	26.25	ppb		98
66) Fluorene	7.668	166	766841	25.77	ppb		97
67) 4-Chlorophenyl-phenyle...	7.678	204	320350	26.31	ppb		99
68) 4-Nitroaniline	7.721	138	199181	24.13	ppb		88
70) 4,6-Dinitro-2-methylph...	7.769	198	118682	29.21	ppb		98
71) n-Nitrosodiphenylamine	7.833	169	493315	24.43	ppb		97
72) 1,2-Diphenylhydrazine	7.871	77	796091	25.20	ppb		97
74) 4-Bromophenyl-phenylether	8.272	248	177294	24.88	ppb		97
75) Hexachlorobenzene	8.347	284	212366	25.34	ppb		95
76) Pentachlorophenol	8.609	266	254069	49.53	ppb		99
77) Phenanthrene	8.839	178	1033190	24.42	ppb		100
78) Anthracene	8.903	178	1037372	24.92	ppb		99
79) Carbazole	9.133	167	1197549	24.68	ppb		99
80) Di-n-butylphthalate	9.636	149	1405938	26.75	ppb		99
81) Fluoranthene	10.438	202	1116742	25.03	ppb		97
82) Octadecane	8.748	43	395260	29.59	ppb		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37280.D
Acq On : 5 Jun 2014 11:20 pm
Operator : ashleyd
Sample : cc1539-25
Misc : op75027,e2p1551
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:37:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.754	202	1160864	25.17	ppb	99
86) Butylbenzylphthalate	11.786	149	631523	29.20	ppb	94
87) Butyl stearate	11.946	56	351399	31.10	ppb	97
88) Benzo[a]anthracene	12.551	228	975733	24.96	ppb	98
89) 3,3'-Dichlorobenzidine	12.551	252	371114	29.44	ppb	98
90) Chrysene	12.604	228	829238	24.34	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.711	149	825856	28.53	ppb	100
93) Di-n-octylphthalate	13.679	149	1386651	28.56	ppb	98
94) Benzo[b]fluoranthene	14.123	252	853050	27.36	ppb	98
95) Benzo[k]fluoranthene	14.161	252	786454	27.64	ppb	98
96) Benzo[a]pyrene	14.557	252	693409	26.25	ppb	97
97) Indeno[1,2,3-cd]pyrene	16.108	276	823761	26.07	ppb	96
98) Dibenz(a,h)acridine	15.771	279	680390	25.21	ppb	100
99) Dibenz[a,h]anthracene	16.140	278	667161	26.46	ppb	98
100) 7,12-Dimethylbenz(a)an...	14.118	256	381998	25.11	ppb	99
101) Benzo[g,h,i]perylene	16.525	276	654071	25.42	ppb	94

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

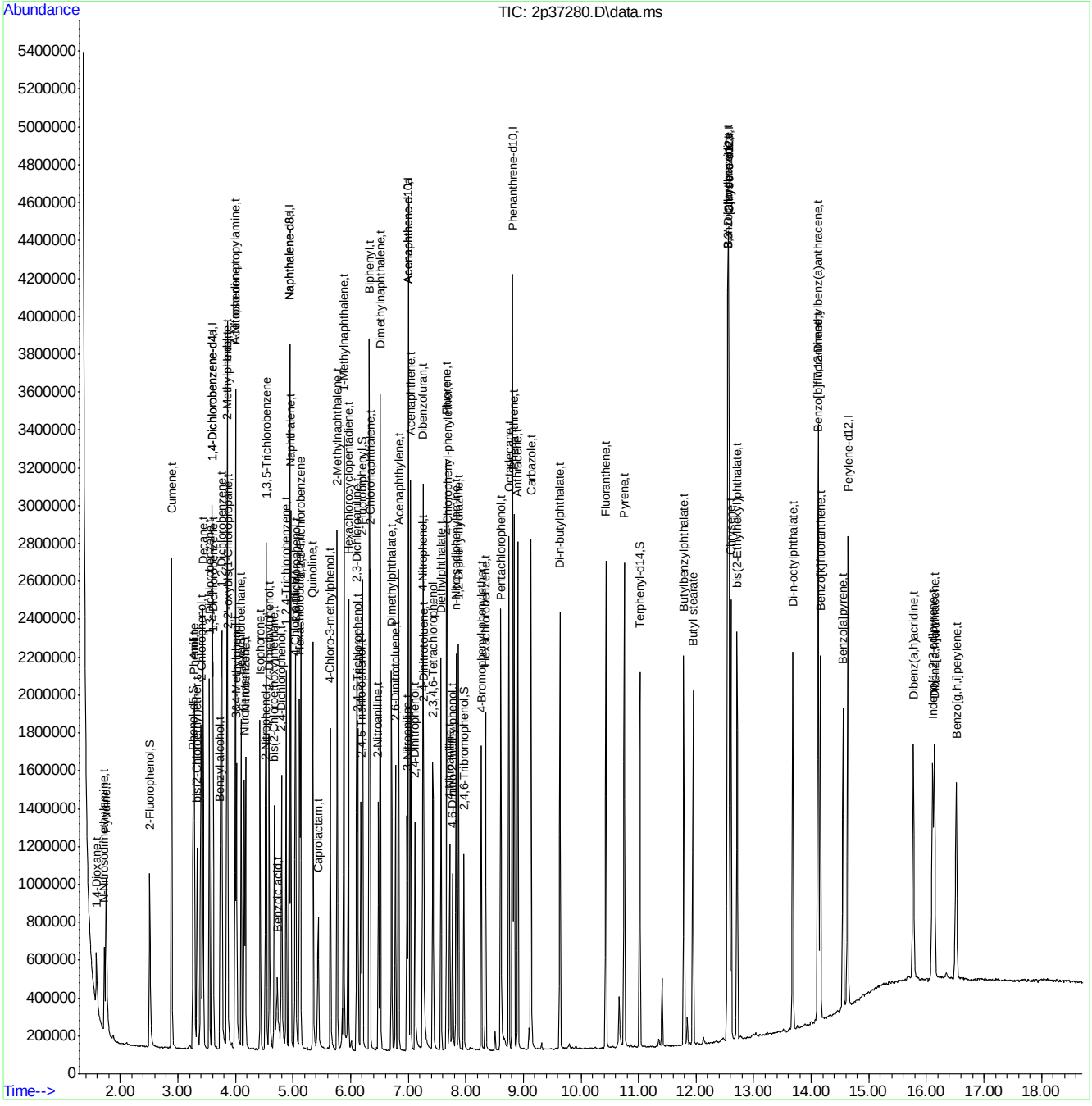
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37280.D
Acq On : 5 Jun 2014 11:20 pm
Operator : ashleyd
Sample : cc1539-25
Misc : op75027,e2p1551
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:37:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37281.D
Acq On : 5 Jun 2014 11:44 pm
Operator : ashleyd
Sample : cc1540-25
Misc : op75027,e2p1551
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 11:55:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

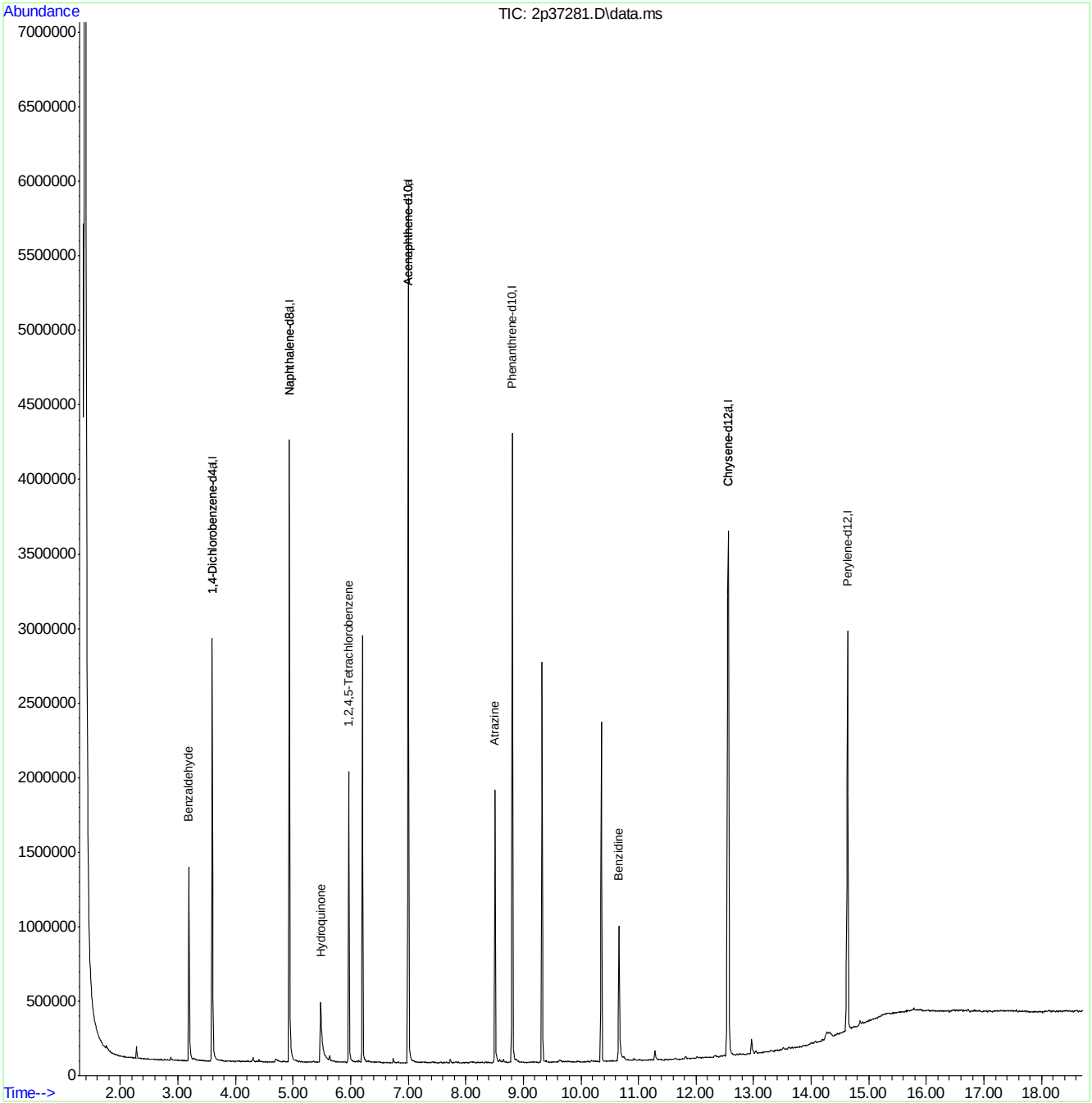
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	483310	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1873704	40.00	ppb	-0.03
47) Acenaphthene-d10	7.004	164	981175	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1505266	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1324465	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	1045461	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	483310	40.00	ppb	-0.03
104) Acenaphthene-d10a	7.004	164	981175	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1324465	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1873704	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
Target Compounds						Qvalue
103) Benzaldehyde	3.191	105	277349	21.63	ppb	93
105) Atrazine	8.507	215	94121	27.63	ppb	93
106) 1,2,4,5-Tetrachloroben...	5.967	216	329532	24.39	ppb	99
108) Benzidine	10.658	184	482993	20.62	ppb	99
110) Hydroquinone	5.475	110	377158	23.15	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1551\
Data File : 2p37281.D
Acq On : 5 Jun 2014 11:44 pm
Operator : ashleyd
Sample : cc1540-25
Misc : op75027,e2p1551
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 11:55:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37312.D
Acq On : 6 Jun 2014 11:23 am
Operator : andrews1
Sample : cc1539-50
Misc : op75027,e2p1552
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 15:18:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.597	152	561532	40.00	ppb		-0.03
24) Naphthalene-d8	4.940	136	2160247	40.00	ppb		-0.03
47) Acenaphthene-d10	7.005	164	1224223	40.00	ppb		-0.03
69) Phenanthrene-d10	8.812	188	1880565	40.00	ppb		-0.02
83) Chrysene-d12	12.572	240	1840565	40.00	ppb		0.00
92) Perylene-d12	14.642	264	1283172	40.00	ppb		0.01
102) 1,4-Dichlorobenzene-d4a	3.597	152	561532	40.00	ppb		-0.03
104) Acenaphthene-d10a	7.005	164	1224223	40.00	ppb		-0.03
107) Chrysene-d12a	12.572	240	1840565	40.00	ppb		0.00
109) Naphthalene-d8a	4.940	136	2160247	40.00	ppb		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	2.512	112	887198	46.19	ppb		-0.01
Spiked Amount 50.000	Range 11 - 58		Recovery = 92.38%#				
8) Phenol-d5	3.277	99	1087833	46.87	ppb		0.00
Spiked Amount 50.000	Range 10 - 59		Recovery = 93.74%#				
25) Nitrobenzene-d5	4.159	82	947375	49.12	ppb		-0.03
Spiked Amount 50.000	Range 19 - 61		Recovery = 98.24%#				
51) 2-Fluorobiphenyl	6.208	172	1877151	48.82	ppb		-0.03
Spiked Amount 50.000	Range 21 - 58		Recovery = 97.64%#				
73) 2,4,6-Tribromophenol	7.973	330	278031	63.72	ppb		-0.02
Spiked Amount 50.000	Range 12 - 68		Recovery = 127.44%#				
85) Terphenyl-d14	11.021	244	1882645	51.43	ppb		-0.03
Spiked Amount 50.000	Range 16 - 65		Recovery = 102.86%#				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.581	88	381100	45.46	ppb		89
3) Pyridine	1.747	79	977173	45.27	ppb		85
4) N-Nitrosodimethylamine	1.720	74	500840	46.41	ppb	#	63
6) Indene	3.849	116	1877411	50.82	ppb		97
7) Cumene	2.886	105	2724376	51.33	ppb		98
9) Phenol	3.287	94	1307762	52.55	ppb		57
10) Aniline	3.293	93	1017909	38.37	ppb		49
11) bis(2-Chloroethyl)ether	3.341	93	816301	47.07	ppb		99
12) 2-Chlorophenol	3.410	128	1018930	48.04	ppb		99
13) Decane	3.432	57	1002600	46.67	ppb		96
14) 1,3-Dichlorobenzene	3.544	146	1099605	47.90	ppb		100
15) 1,4-Dichlorobenzene	3.614	146	1132753	49.80	ppb		99
16) Benzyl alcohol	3.737	108	574624	45.27	ppb		90
17) 1,2-Dichlorobenzene	3.763	146	1041218	48.76	ppb		100
18) Acetophenone	3.999	105	1546499	50.86	ppb		87
19) 2-Methylphenol	3.870	108	834076	48.03	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.860	121	256984	46.50	ppb	#	85
21) 3&4-Methylphenol	4.031	108	891722	49.41	ppb		99
22) n-Nitroso-di-n-propyla...	4.004	70	599223	52.43	ppb		96
23) Hexachloroethane	4.100	201	370845	52.45	ppb		88
26) Nitrobenzene	4.180	77	996005	50.18	ppb		98
27) Quinoline	5.357	129	2235222	48.68	ppb		99
28) Isophorone	4.432	82	1594248	47.03	ppb		95

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37312.D
Acq On : 6 Jun 2014 11:23 am
Operator : andrews1
Sample : cc1539-50
Misc : op75027,e2p1552
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 15:18:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.523	139	581037	56.28	ppb		86
30) 2,4-Dimethylphenol	4.592	107	886645	55.36	ppb		96
31) Benzoic acid	4.774	105	622226	46.06	ppb		99
32) bis(2-Chloroethoxy)met...	4.678	93	969646	46.13	ppb		99
33) 2,4-Dichlorophenol	4.806	162	773310	49.31	ppb		98
34) 2,6-Dichlorophenol	5.052	162	780682	52.53	ppb		98
35) 1,3,5-Trichlorobenzene	4.533	180	1091317	52.66	ppb		99
36) 1,2,4-Trichlorobenzene	4.881	180	880350	50.35	ppb		97
37) 1,2,3-Trichlorobenzene	5.133	180	984685	51.25	ppb		98
38) Naphthalene	4.961	128	2762812	47.90	ppb		100
39) 4-Chloroaniline	5.047	127	1142258	45.60	ppb		98
40) 2,3-Dichloroaniline	6.111	161	1149232	50.79	ppb		98
41) Caprolactam	5.475	113	305919	47.27	ppb		99
42) Hexachlorobutadiene	5.111	225	456543	53.62	ppb		99
43) 4-Chloro-3-methylphenol	5.662	107	854834	51.51	ppb		99
44) 2-Methylnaphthalene	5.764	141	1704975	50.97	ppb		98
45) 1-Methylnaphthalene	5.881	141	1918639	50.78	ppb		99
46) Dimethylnaphthalene	6.512	156	1927504	52.67	ppb		98
48) Hexachlorocyclopentadiene	5.956	237	912211	102.90	ppb		99
49) 2,4,6-Trichlorophenol	6.127	196	540441	52.83	ppb		98
50) 2,4,5-Trichlorophenol	6.192	196	621428	54.51	ppb		97
52) 2-Chloronaphthalene	6.341	162	1762165	48.54	ppb		99
53) Biphenyl	6.325	154	2663131	49.87	ppb		100
54) 2-Nitroaniline	6.491	65	560705	53.60	ppb		98
55) Dimethylphthalate	6.710	163	1938366	48.80	ppb		99
56) Acenaphthylene	6.833	152	2898749	48.52	ppb		100
57) 2,6-Dinitrotoluene	6.785	165	461901	54.67	ppb		92
58) 3-Nitroaniline	6.994	138	553277	48.65	ppb		97
59) Acenaphthene	7.042	153	1824174	49.00	ppb		98
60) 2,4-Dinitrophenol	7.128	184	507230	108.11	ppb		83
61) 4-Nitrophenol	7.283	109	250624	49.27	ppb	#	66
62) Dibenzofuran	7.256	168	2430892	49.30	ppb		99
63) 2,4-Dinitrotoluene	7.277	165	616374	55.41	ppb		88
64) 2,3,4,6-Tetrachlorophenol	7.432	232	459178	61.76	ppb		94
65) Diethylphthalate	7.572	149	1994939	48.15	ppb		99
66) Fluorene	7.668	166	2044481	51.16	ppb		98
67) 4-Chlorophenyl-phenyle...	7.678	204	843510	51.58	ppb		95
68) 4-Nitroaniline	7.743	138	527326	47.56	ppb		93
70) 4,6-Dinitro-2-methylph...	7.775	198	326285	57.11	ppb		96
71) n-Nitrosodiphenylamine	7.834	169	1302770	49.87	ppb		97
72) 1,2-Diphenylhydrazine	7.876	77	1910484	46.75	ppb		96
74) 4-Bromophenyl-phenylether	8.267	248	497388	53.95	ppb		97
75) Hexachlorobenzene	8.347	284	601182	55.43	ppb		94
76) Pentachlorophenol	8.609	266	696239	97.65	ppb		98
77) Phenanthrene	8.844	178	2652926	48.47	ppb		98
78) Anthracene	8.909	178	2796216	51.91	ppb		98
79) Carbazole	9.144	167	3099209	49.36	ppb		99
80) Di-n-butylphthalate	9.631	149	3664336	53.87	ppb		99
81) Fluoranthene	10.438	202	3054110	52.91	ppb		98
82) Octadecane	8.743	43	921438	53.31	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37312.D
Acq On : 6 Jun 2014 11:23 am
Operator : andrews1
Sample : cc1539-50
Misc : op75027,e2p1552
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 15:18:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.754	202	3116426	48.54	ppb	99
86) Butylbenzylphthalate	11.786	149	1638025	54.42	ppb	99
87) Butyl stearate	11.936	56	850647	54.08	ppb	100
88) Benzo[a]anthracene	12.556	228	2651126	48.72	ppb	98
89) 3,3'-Dichlorobenzidine	12.562	252	1013675	57.77	ppb	99
90) Chrysene	12.610	228	2256353	47.57	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.706	149	2074713	51.49	ppb	99
93) Di-n-octylphthalate	13.674	149	3504461	54.68	ppb	98
94) Benzo[b]fluoranthene	14.140	252	2392666	57.36	ppb	98
95) Benzo[k]fluoranthene	14.172	252	2168370	56.95	ppb	99
96) Benzo[a]pyrene	14.562	252	1884757	53.33	ppb	100
97) Indeno[1,2,3-cd]pyrene	16.129	276	2244373	53.08	ppb	97
98) Dibenz(a,h)acridine	15.787	279	1886759	52.26	ppb	100
99) Dibenz[a,h]anthracene	16.161	278	1891913	56.08	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.124	256	1207696	55.17	ppb	98
101) Benzo[g,h,i]perylene	16.541	276	1672175	48.57	ppb	95

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

9.6.29

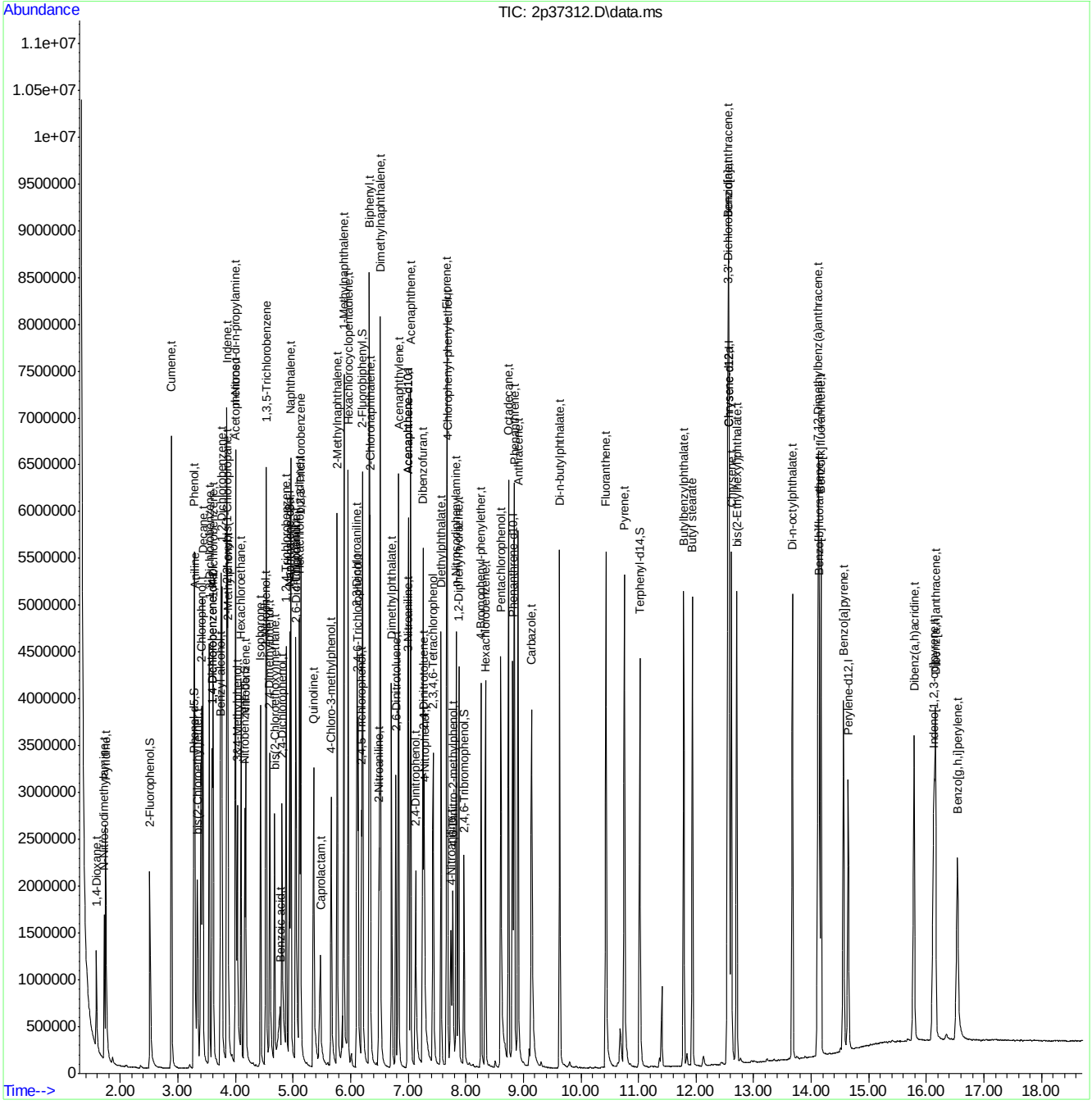
6

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37312.D
Acq On : 6 Jun 2014 11:23 am
Operator : andrews1
Sample : cc1539-50
Misc : op75027,e2p1552
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 15:18:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37313.D
Acq On : 6 Jun 2014 11:47 am
Operator : andrews1
Sample : cc1540-50
Misc : op75027,e2p1552
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 08:40:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 2014
Response via : Initial Calibration

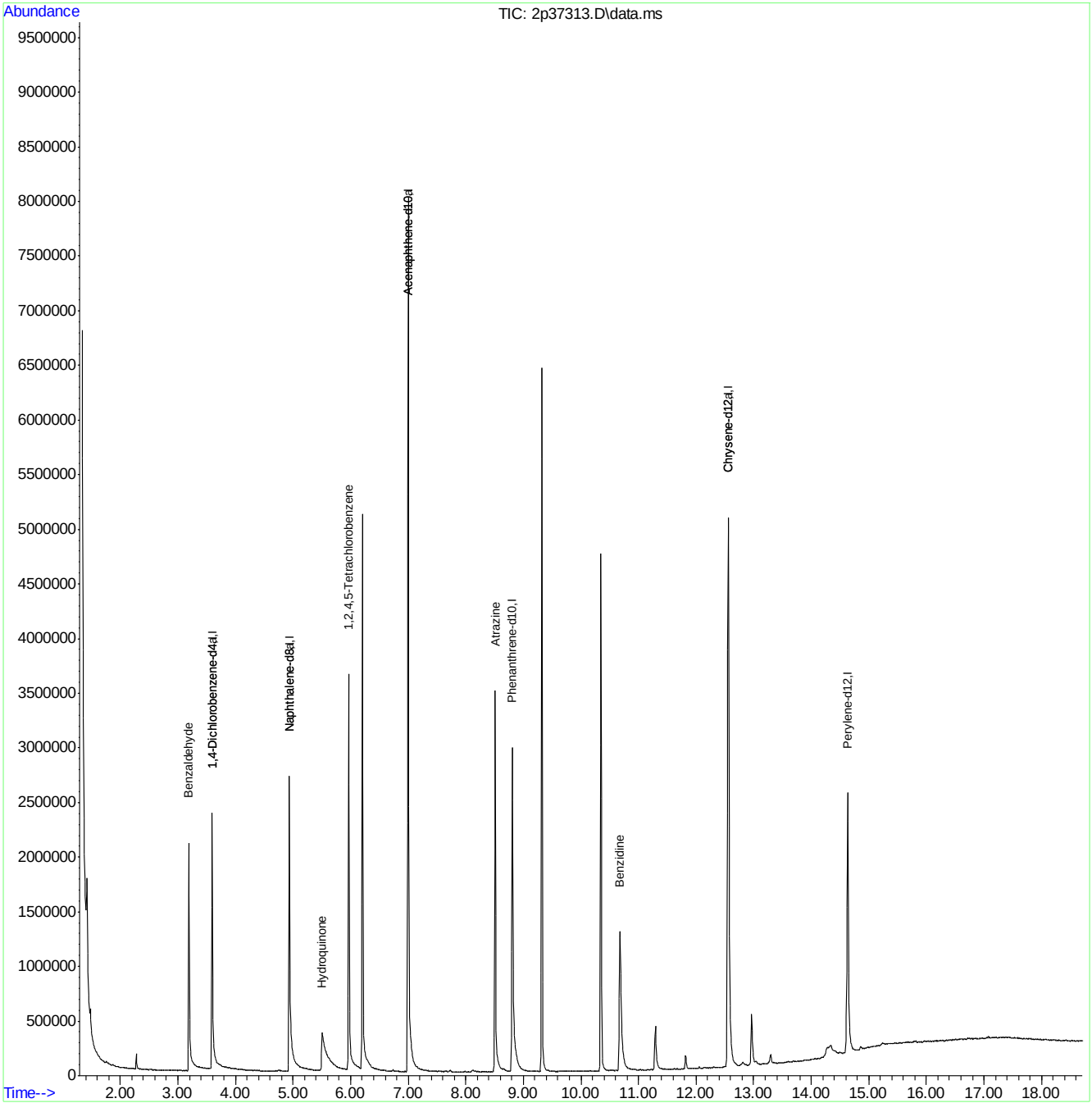
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.592	152	499090	40.00	ppb	-0.03
24) Naphthalene-d8	4.935	136	1995687	40.00	ppb	-0.03
47) Acenaphthene-d10	7.005	164	1233330	40.00	ppb	-0.03
69) Phenanthrene-d10	8.807	188	1903479	40.00	ppb	-0.03
83) Chrysene-d12	12.562	240	1741754	40.00	ppb	-0.02
92) Perylene-d12	14.632	264	1254284	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.592	152	499090	40.00	ppb	-0.03
104) Acenaphthene-d10a	7.005	164	1233330	40.00	ppb	-0.03
107) Chrysene-d12a	12.562	240	1741754	40.00	ppb	-0.02
109) Naphthalene-d8a	4.935	136	1995687	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000	Range 11 - 58		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000	Range 10 - 59		Recovery =	0.00%#		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000	Range 19 - 61		Recovery =	0.00%#		
51) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000	Range 21 - 58		Recovery =	0.00%#		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000	Range 12 - 68		Recovery =	0.00%#		
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000	Range 16 - 65		Recovery =	0.00%#		
Target Compounds						Qvalue
103) Benzaldehyde	3.191	105	564246	42.61	ppb	95
105) Atrazine	8.513	215	244492	57.10	ppb	97
106) 1,2,4,5-Tetrachloroben...	5.967	216	767711	45.20	ppb	98
108) Benzidine	10.674	184	1275301	41.41	ppb	99
110) Hydroquinone	5.502	110	814852	46.96	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2P1552\
Data File : 2p37313.D
Acq On : 6 Jun 2014 11:47 am
Operator : andrews1
Sample : cc1540-50
Misc : op75027,e2p1552
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 09 08:40:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2P1539.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri May 30 09:21:23 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 : 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

ACCUTEST LABORATORIES JB67976

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

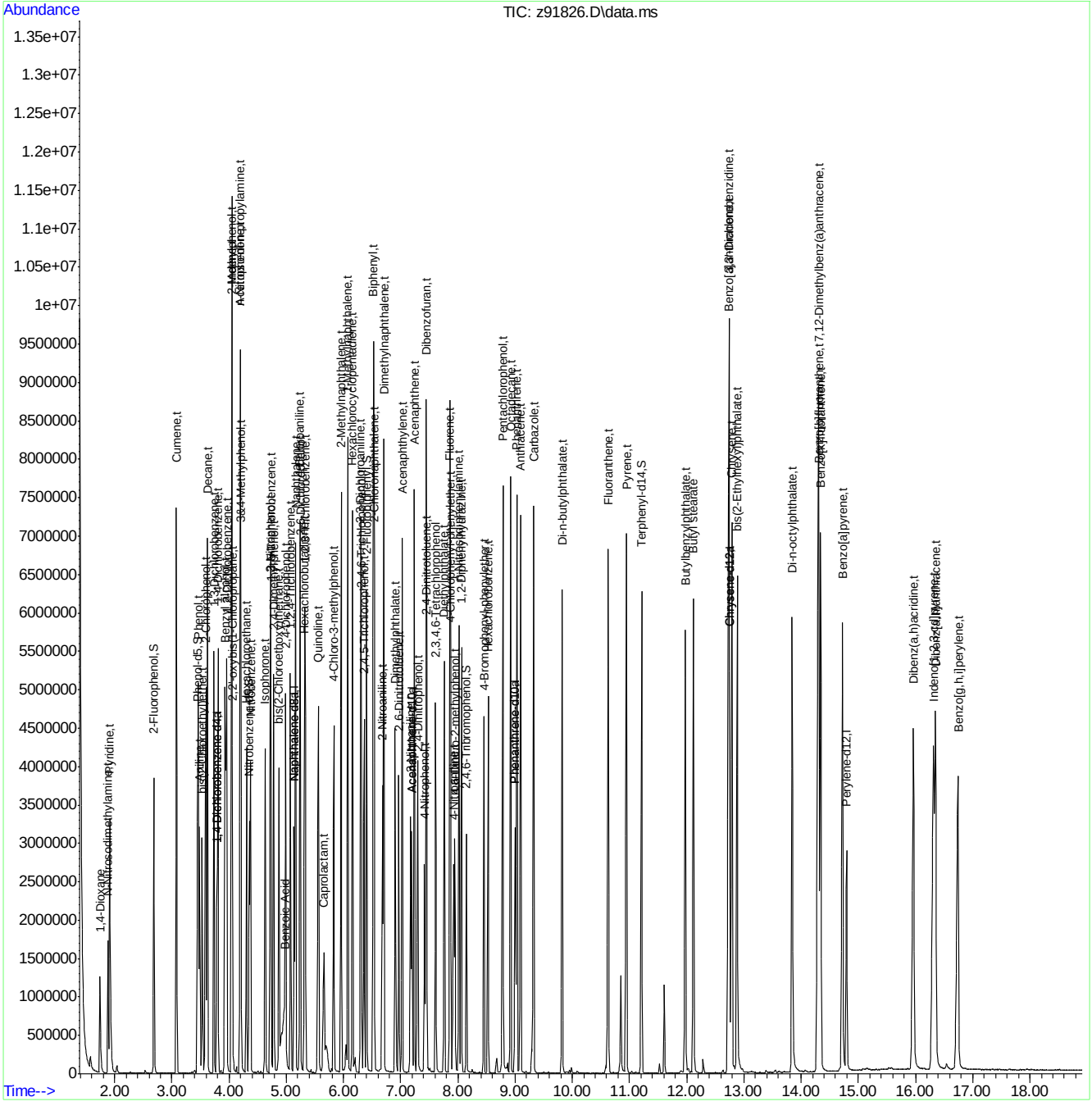
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	9.096	178	3442482	100.00	ppb	100
79)	Carbazole	9.325	167	3716352	100.00	ppb	100
80)	Di-n-butylphthalate	9.822	149	3923026	100.00	ppb	100
81)	Fluoranthene	10.629	202	3614218	100.00	ppb	100
82)	Octadecane	8.925	57	1681781	100.00	ppb	100
84)	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

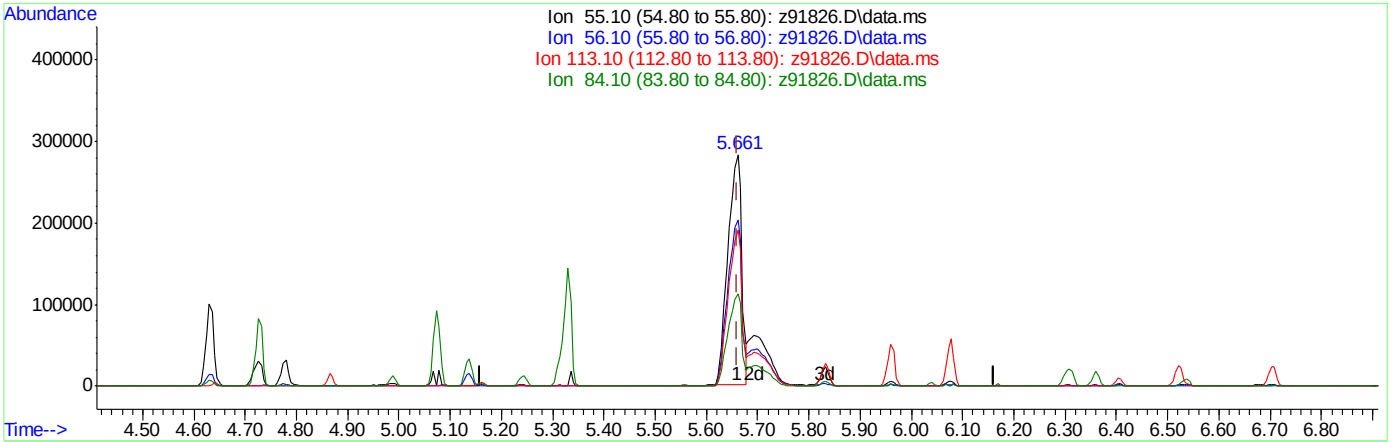
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91826.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 10:56	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

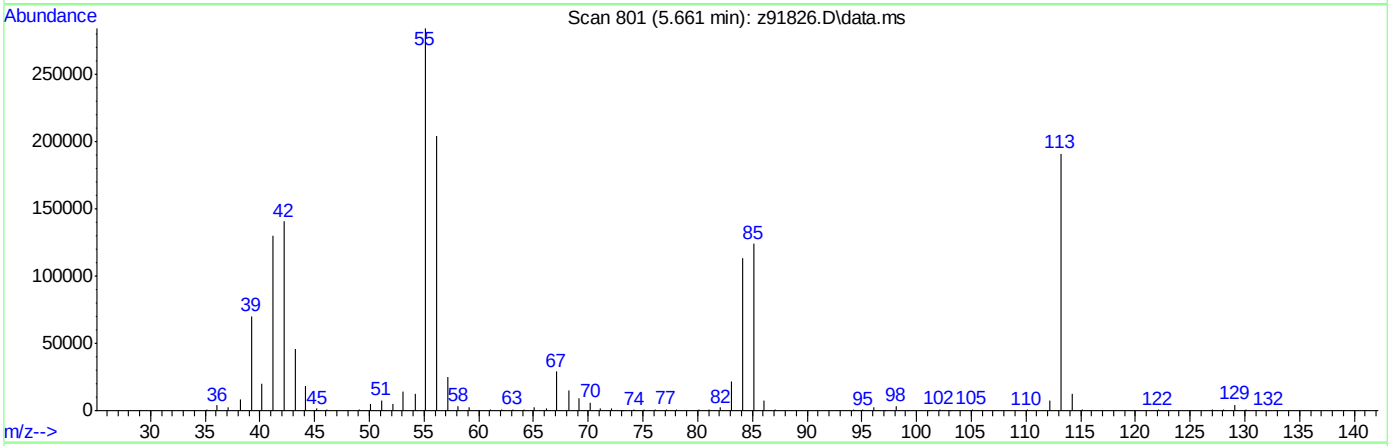
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.97	Poor instrument integration
Caprolactam	105-60-2		5.66	Poor instrument integration

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

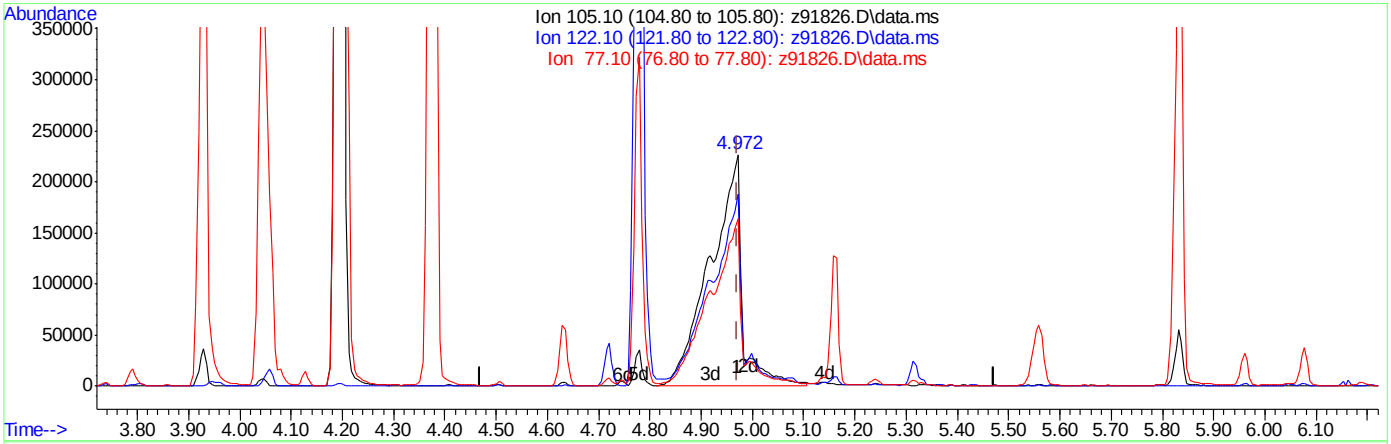
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	71.42
113.10	67.30	67.26
84.10	40.00	40.33

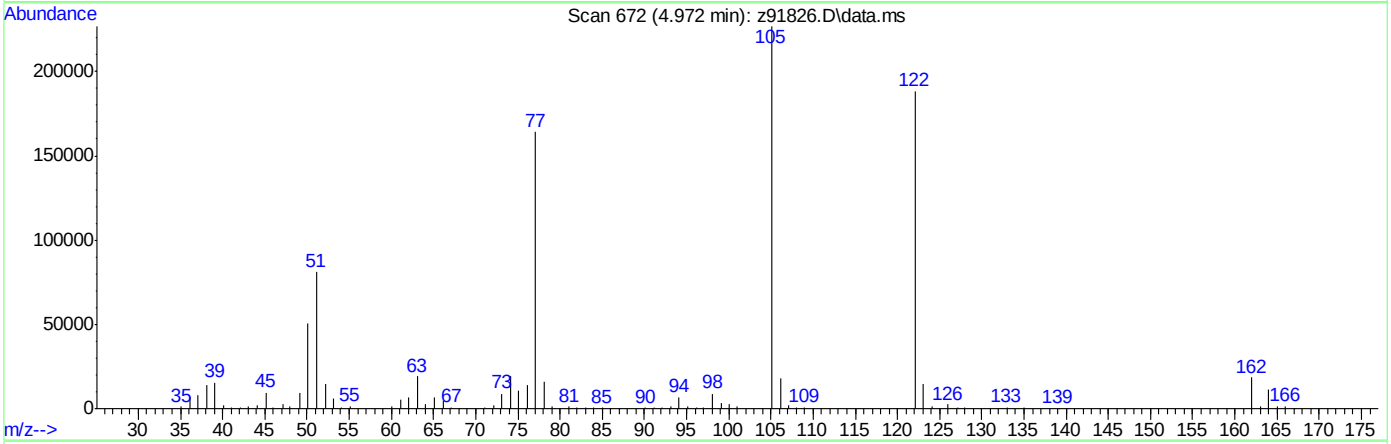
ACCUTEST LABORATORIES JB67976

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

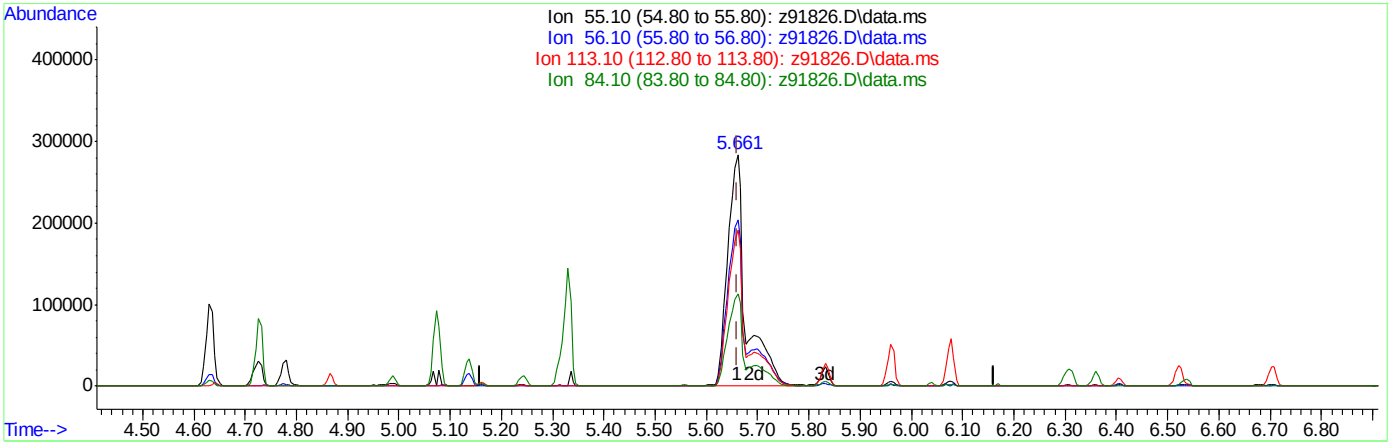
response 985093

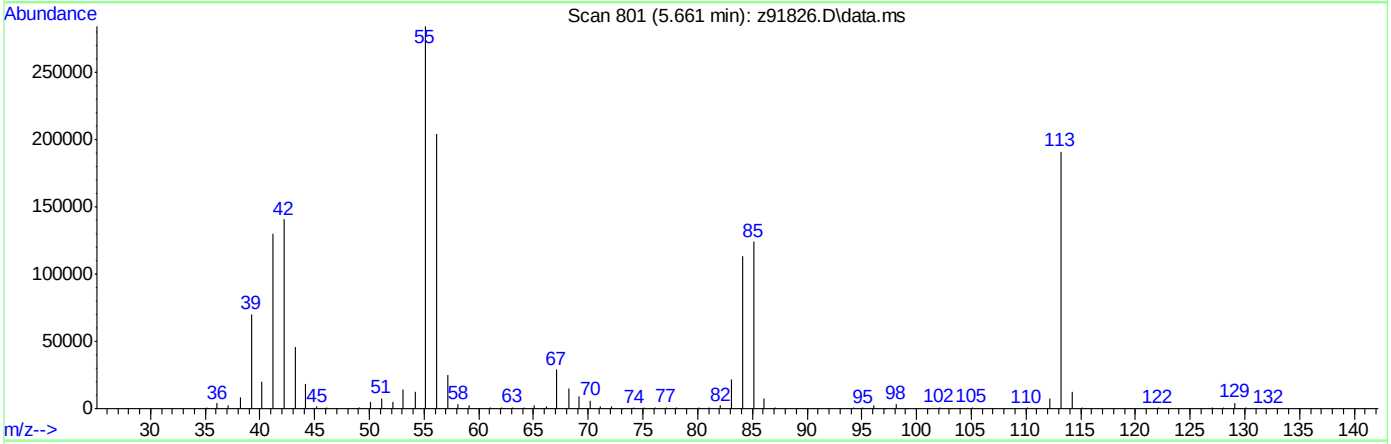
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	45.44#
77.10	33.90	39.90
0.00	0.00	0.00

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

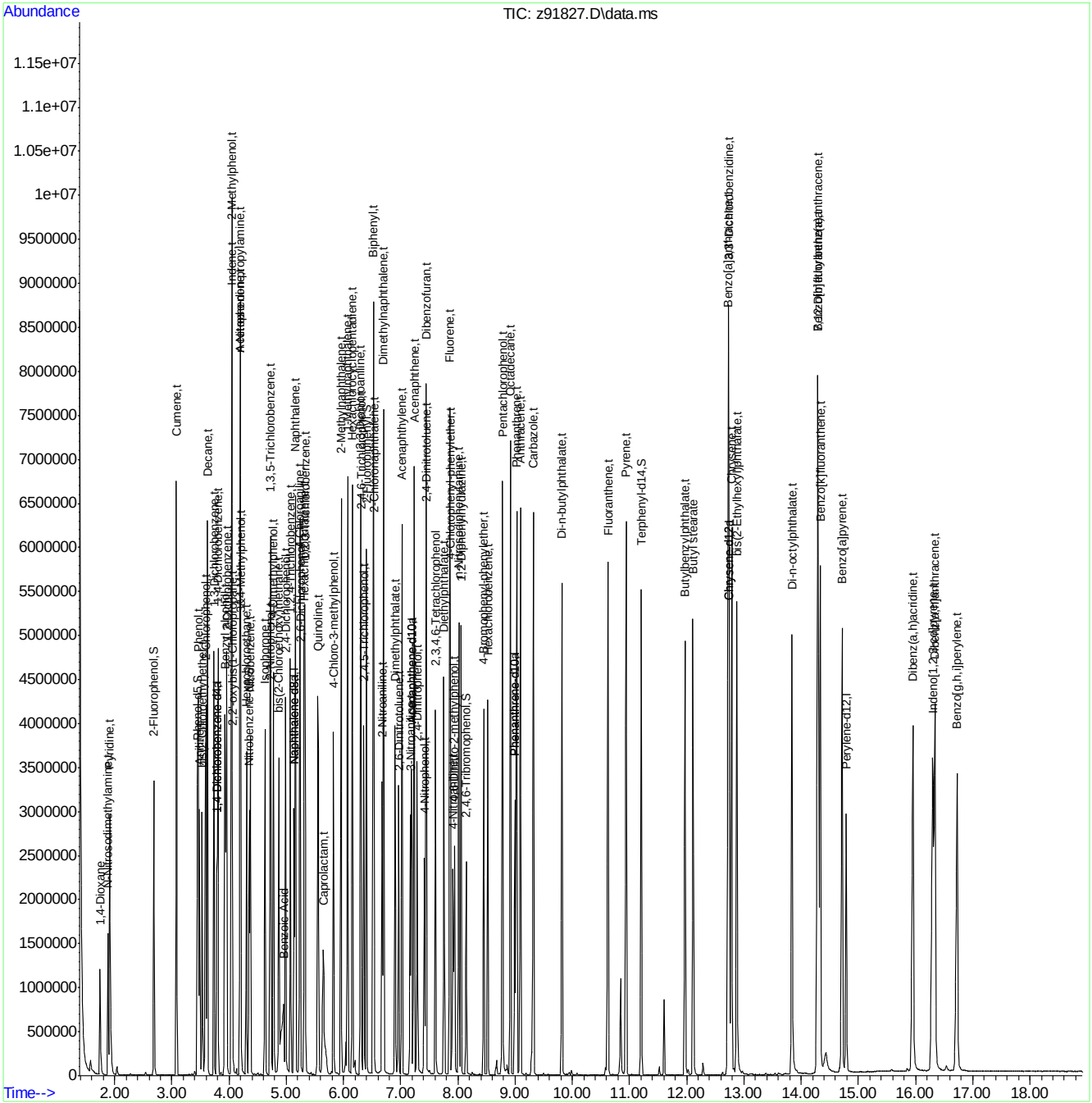
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.096	178	2927804	77.01	ppb	99
79) Carbazole	9.320	167	3133884	82.62	ppb	99
80) Di-n-butylphthalate	9.817	149	3342162	81.14	ppb	100
81) Fluoranthene	10.629	202	3043655	78.27	ppb	97
82) Octadecane	8.920	57	1473317	80.65	ppb	99
84) Pyrene	10.944	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

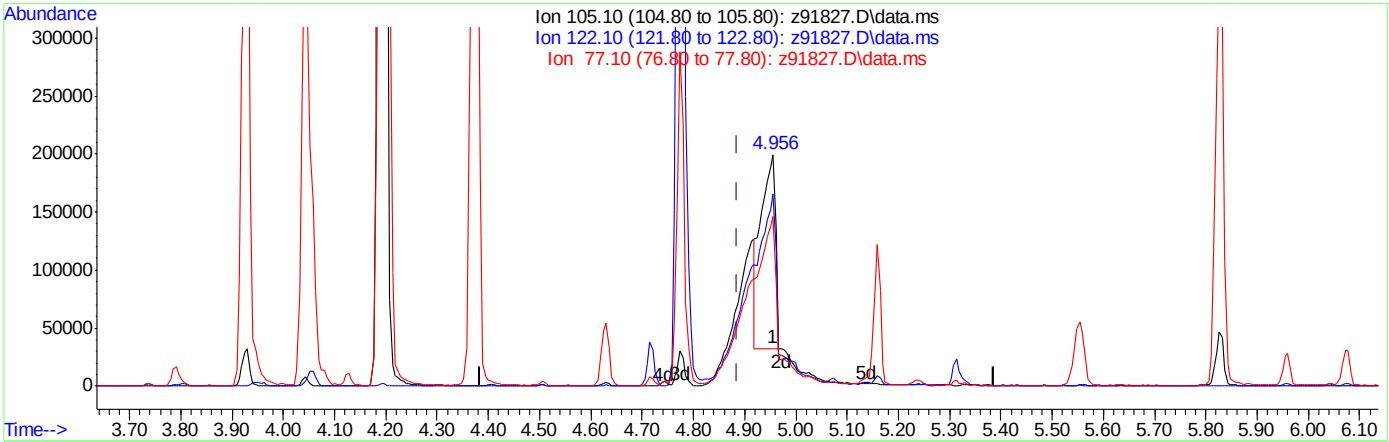
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91827.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 11:21	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

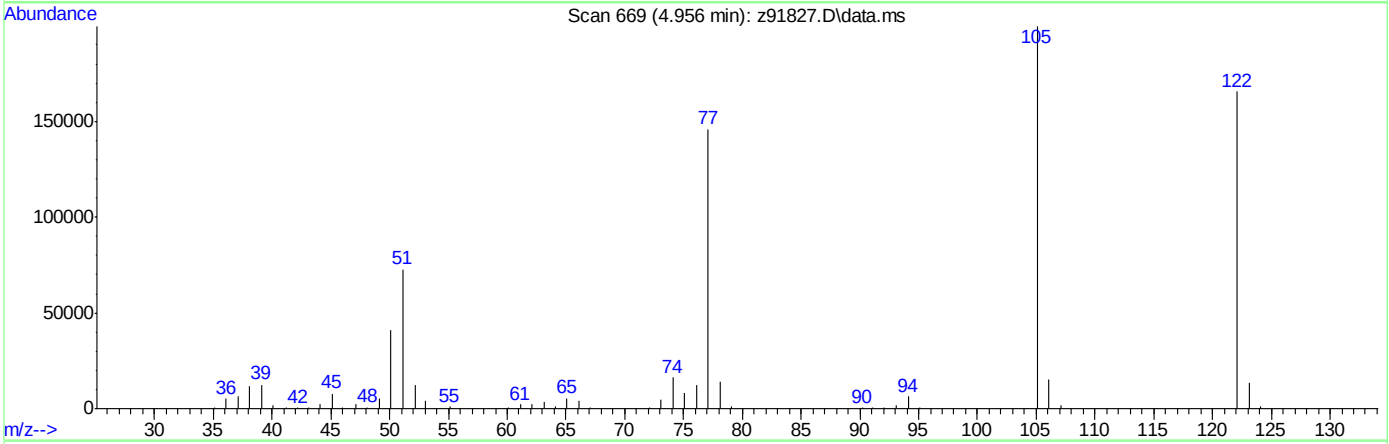
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.96	Poor instrument integration
Caprolactam	105-60-2		5.65	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		14.34	Poor instrument integration

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

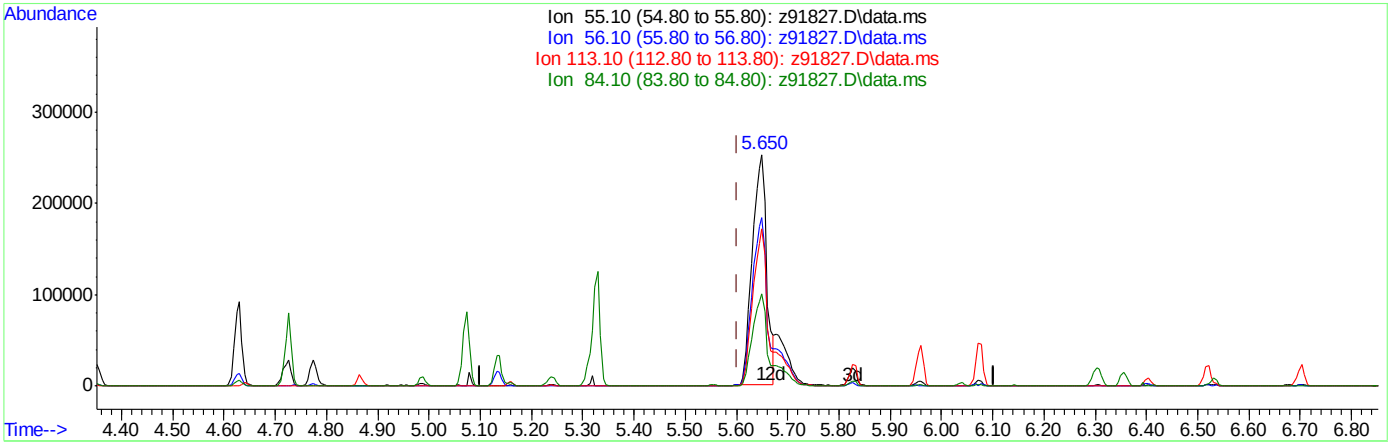
response 328069

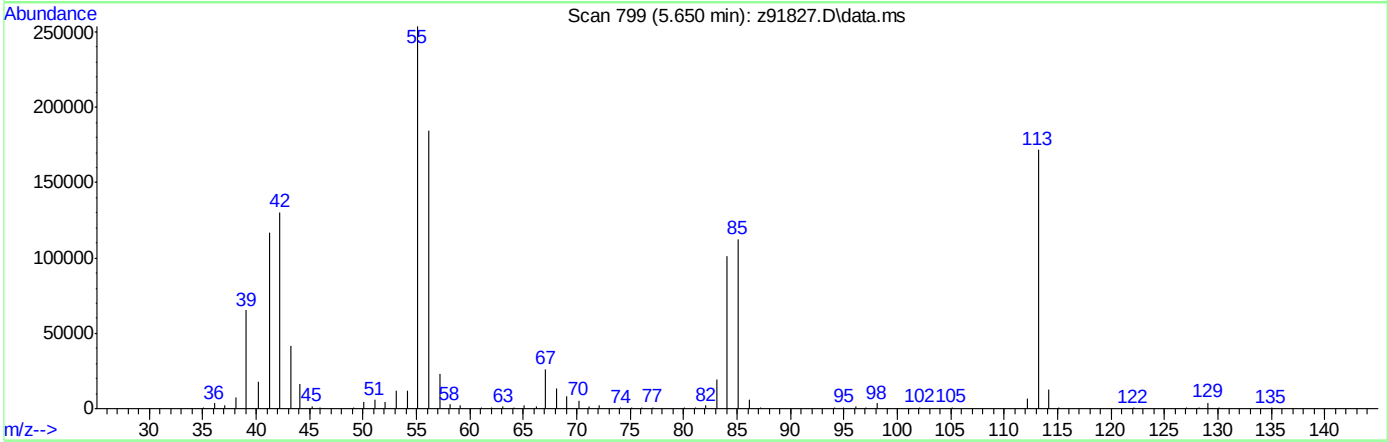
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	97.60
77.10	33.90	162.19#
0.00	0.00	0.00

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

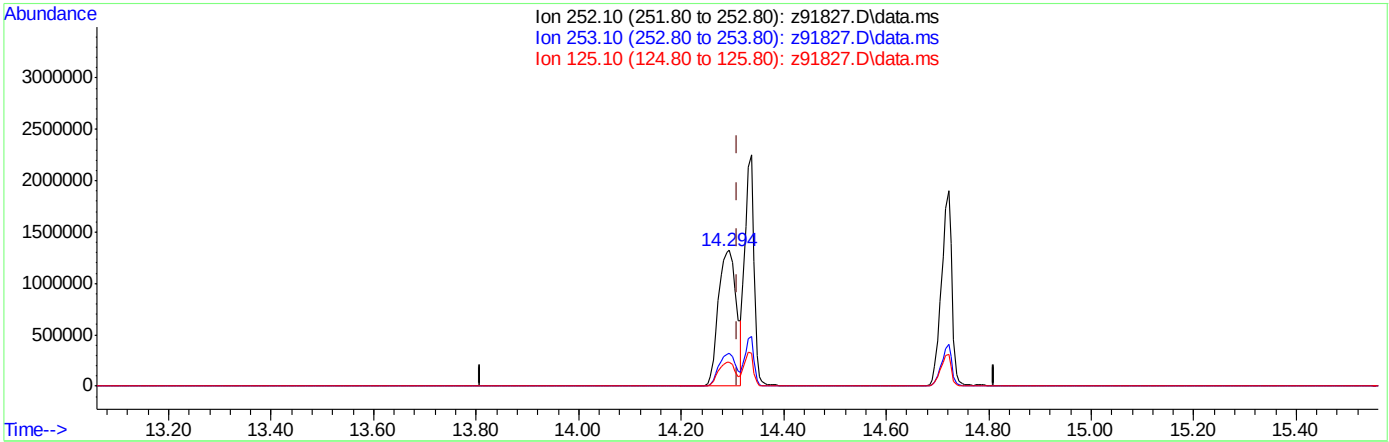
response 493831

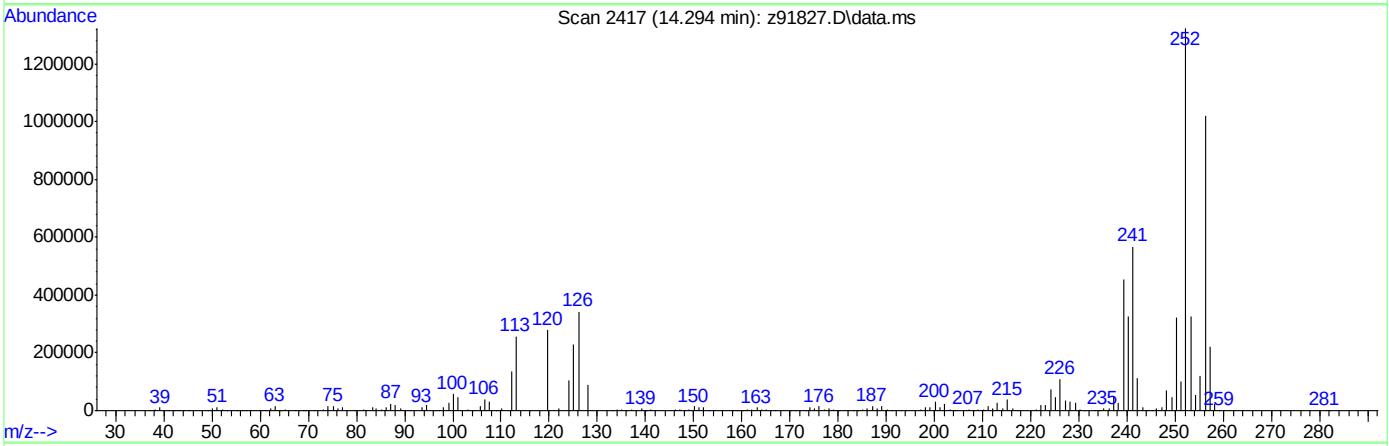
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.80
113.10	67.30	67.87
84.10	40.00	39.71

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

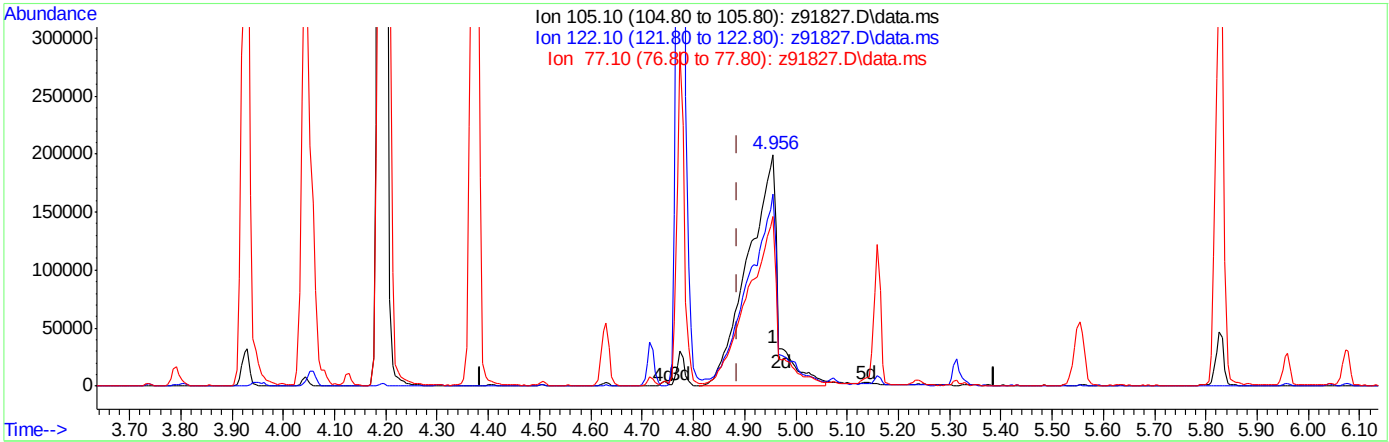
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	25.53
125.10	15.00	17.37
0.00	0.00	0.00

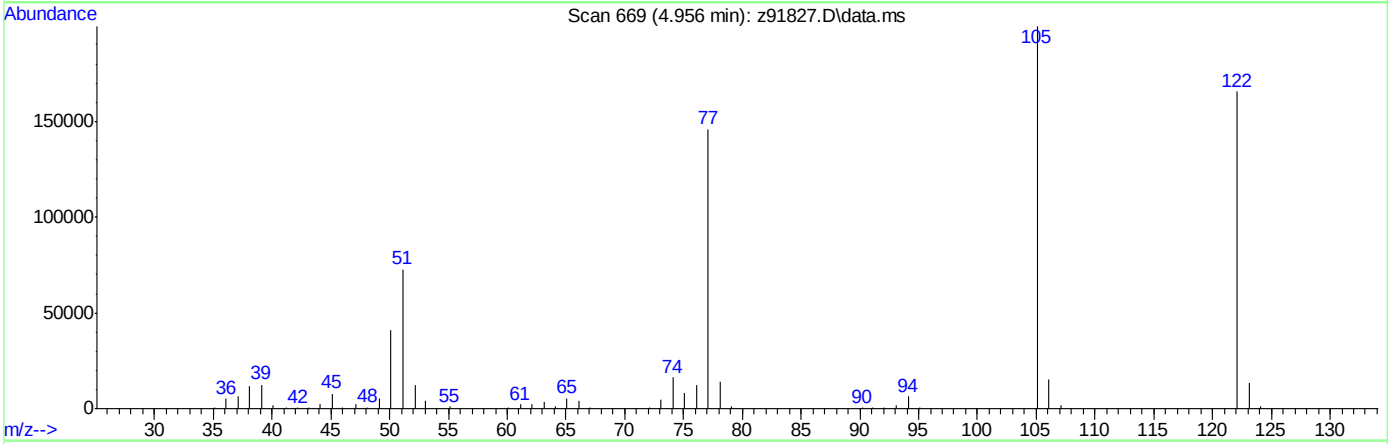
ACCUTEST LABORATORIES JB67976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 24 12:58:58 2014
Quant Method : C:\msdchem\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Sat May 24 12:58:05 2014
Response via : Initial Calibration





TIC: z91827.D\data.ms

(31) Benzoic Acid

4.956min (+0.069) 113.78ppb m

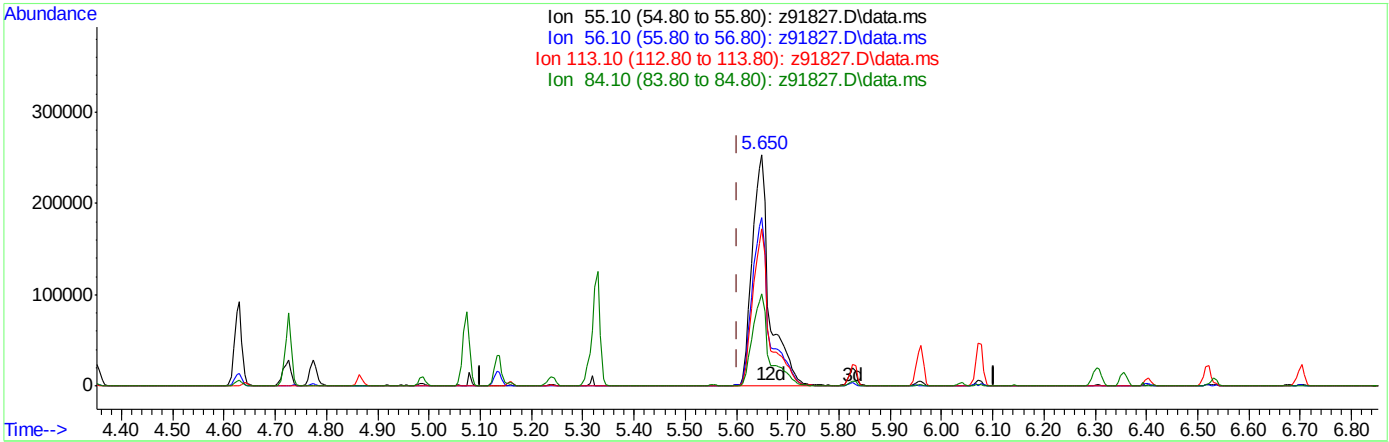
response 823849

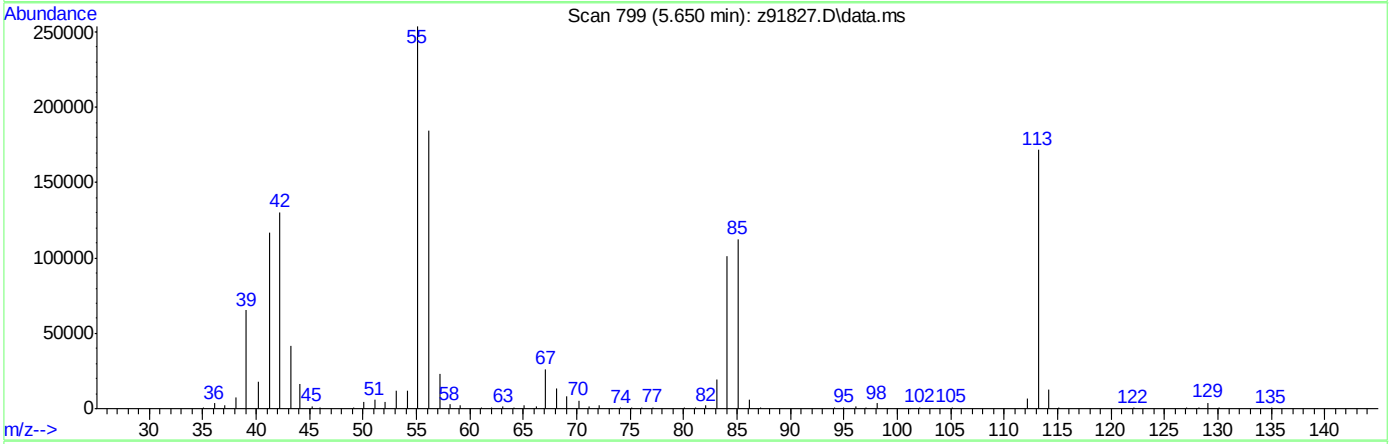
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	38.86#
77.10	33.90	64.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91827.D
Acq On : 24 May 2014 11:21 am
Operator : ashleyv
Sample : IC4569-80
Misc : op73791,ez4569
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

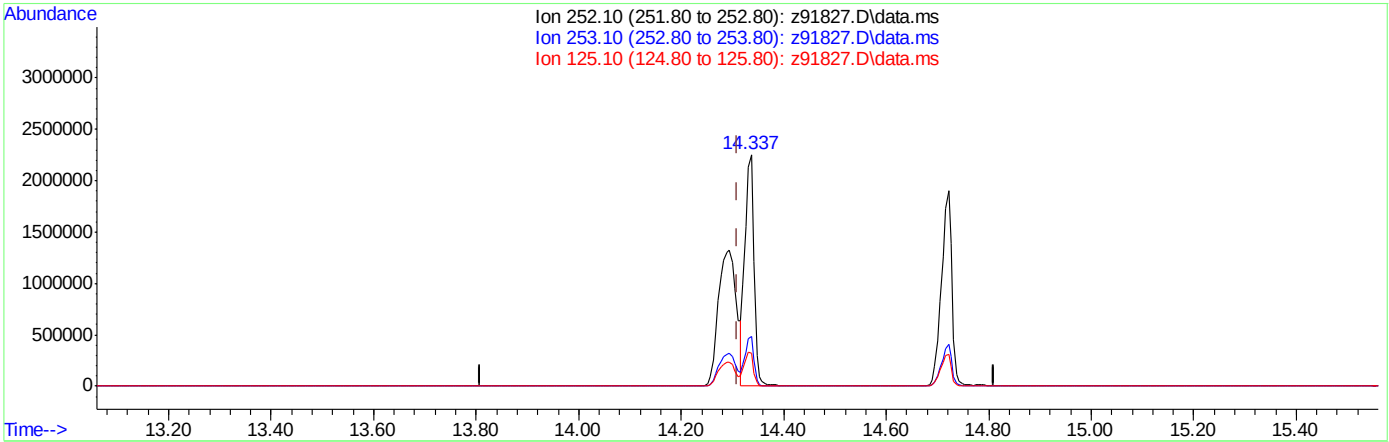
response 604099

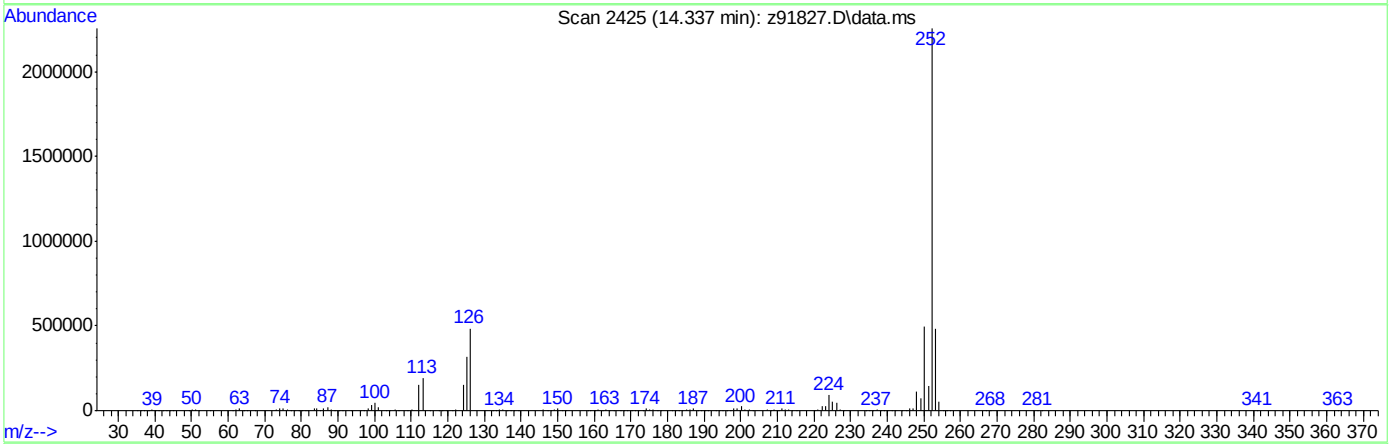
Ion	Exp%	Act%
55.10	100	100
56.10	71.80	72.83
113.10	67.30	67.71
84.10	40.00	39.82

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

ACCUTEST LABORATORIES JB67976

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

ACCUTEST LABORATORIES JB67976

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

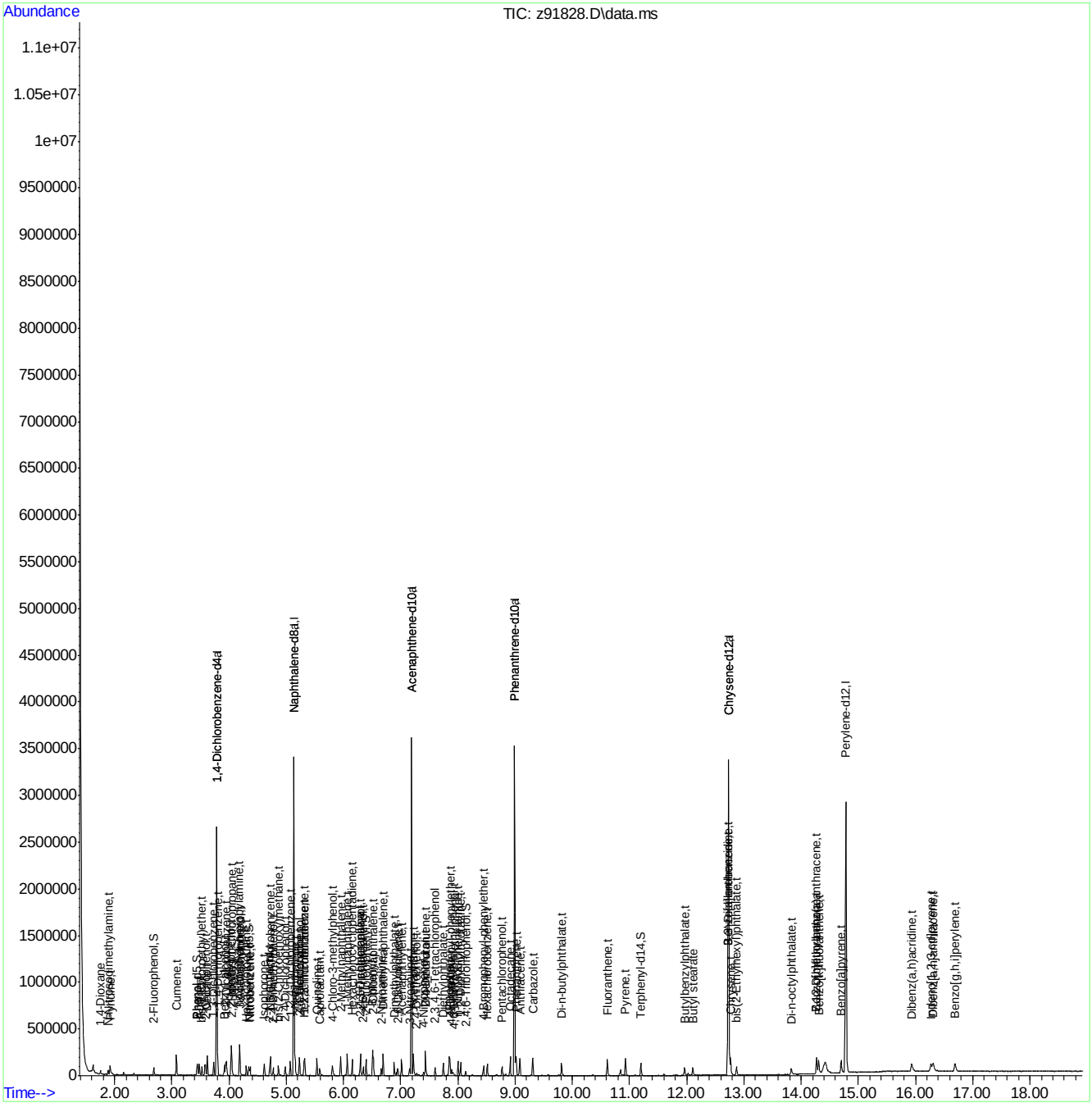
9.6.33

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 JB67976

Manual Integration Approval Summary

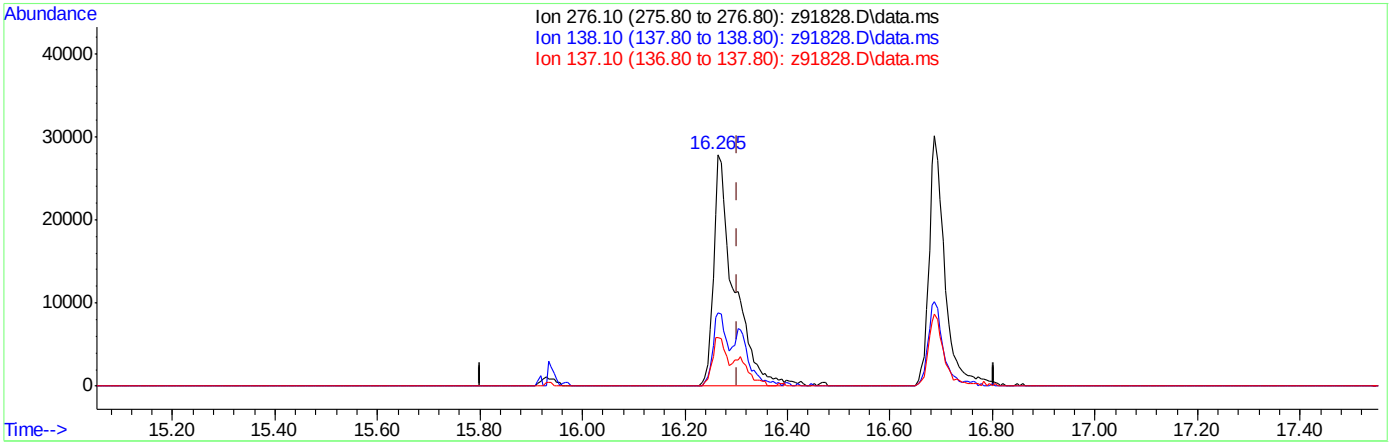
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91828.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 11:46	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

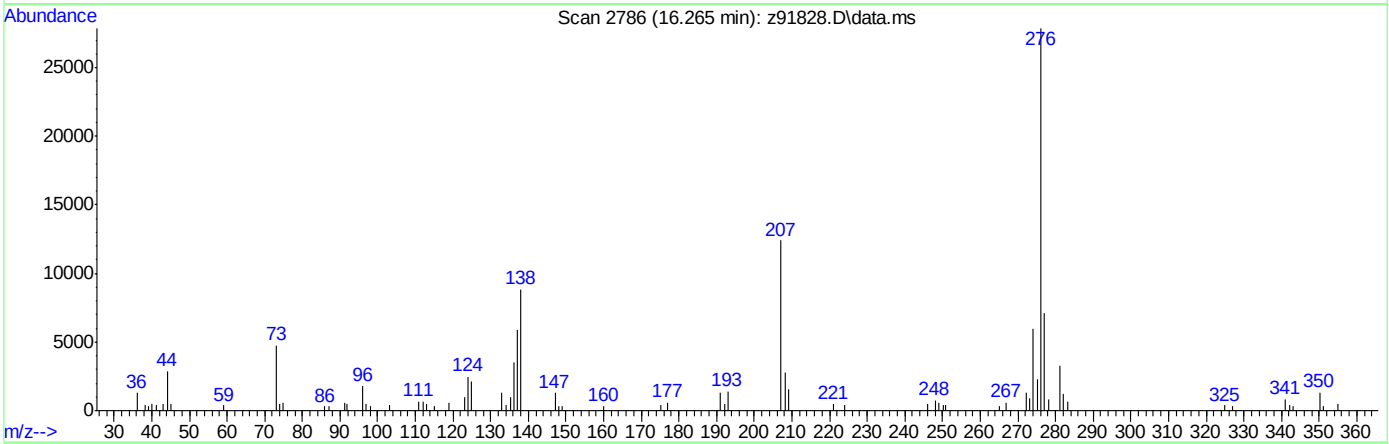
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.27	Poor instrument integration

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

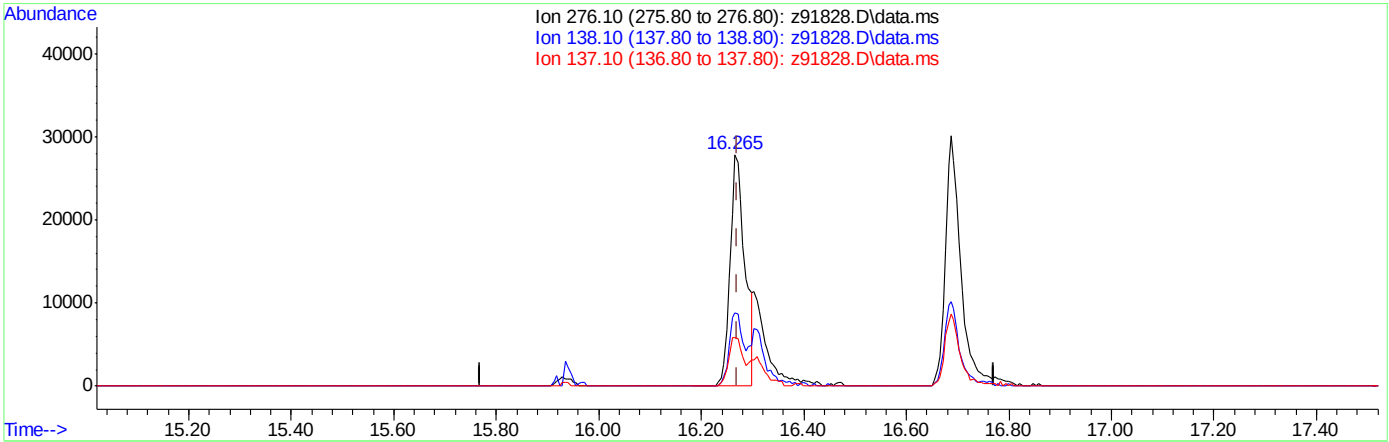
Ion	Exp%	Act%
276.10	100	100
138.10	25.20	31.36
137.10	19.30	20.70
0.00	0.00	0.00

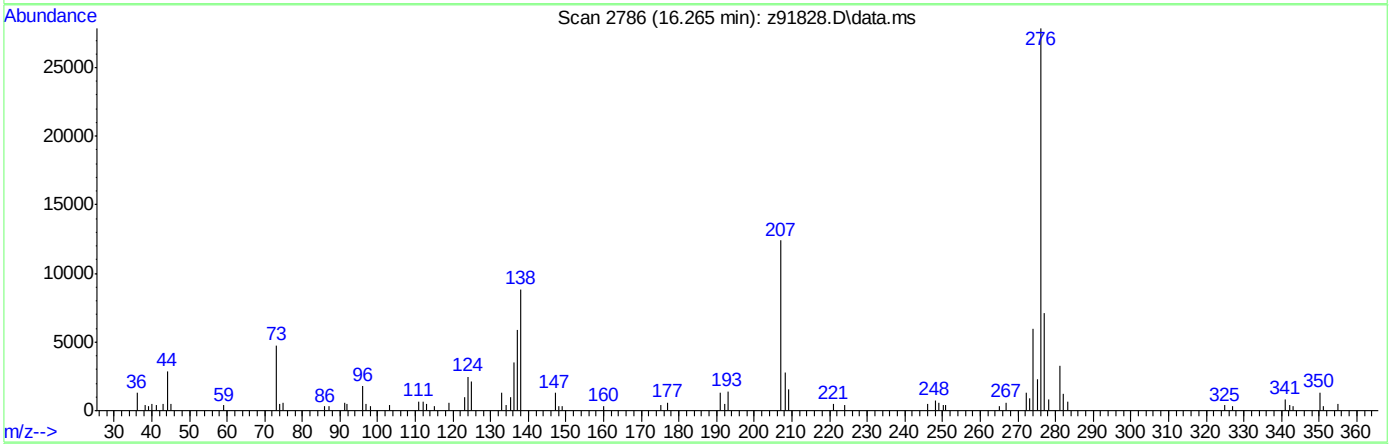
ACCUTEST LABORATORIES JB67976

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 JB67976

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

ACCUTEST LABORATORIES JB67976

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

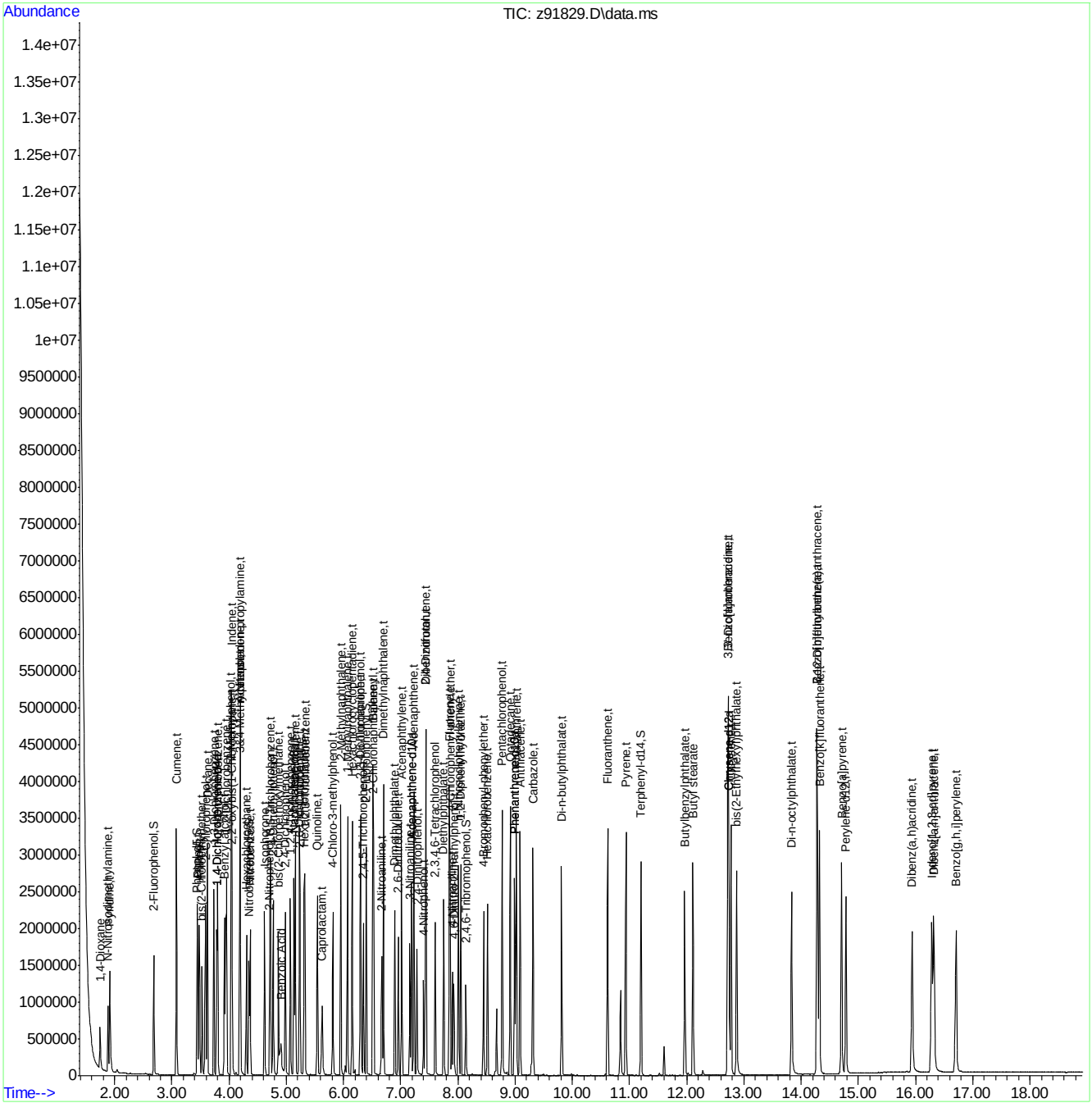
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.091	178	1504872	51.28	ppb	100
79) Carbazole	9.315	167	1418337	46.75	ppb	100
80) Di-n-butylphthalate	9.812	149	1666197	54.14	ppb	99
81) Fluoranthene	10.618	202	1545718	52.20	ppb	100
82) Octadecane	8.914	57	721672	50.48	ppb	96
84) Pyrene	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

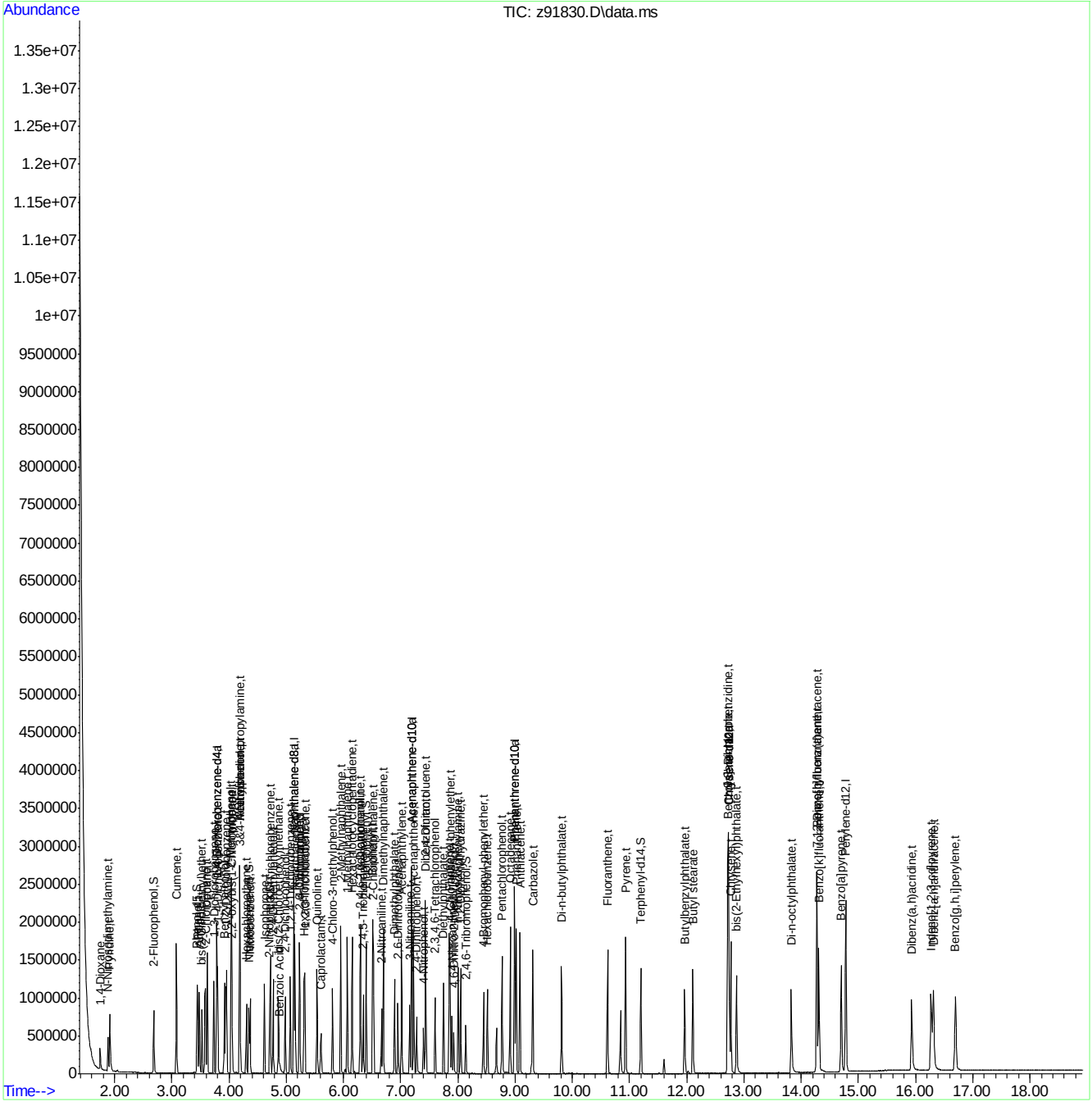
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	763622	29.27	ppb	100
79) Carbazole	9.310	167	708568	25.16	ppb	99
80) Di-n-butylphthalate	9.812	149	790842	26.60	ppb	99
81) Fluoranthene	10.618	202	763405	27.87	ppb	97
82) Octadecane	8.914	57	361723	28.38	ppb	94
84) Pyrene	10.934	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

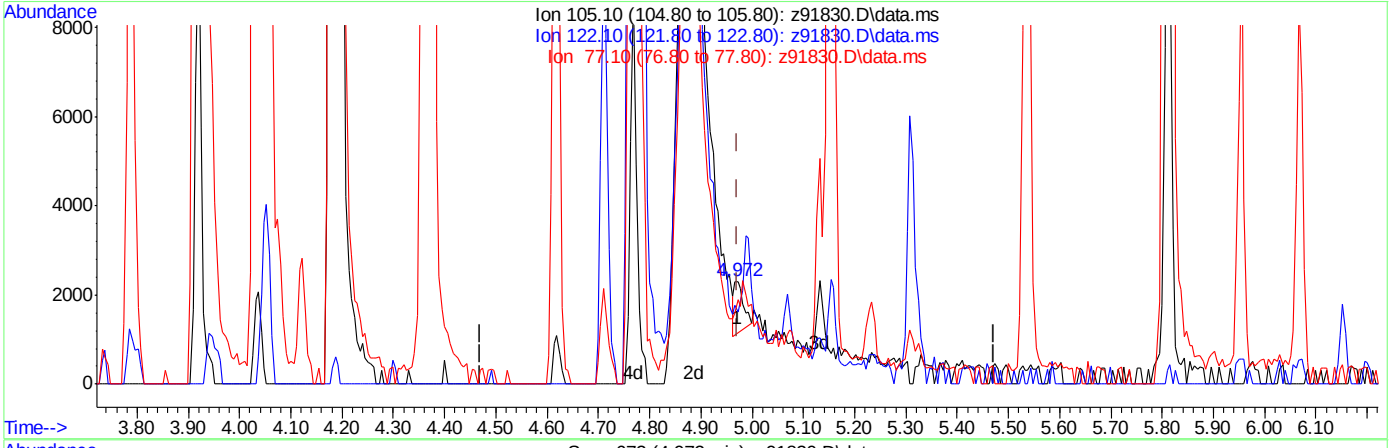
Sample Number:	EZ4569-IC4569	**Method:**	SW846 8270D
Lab FileID:	Z91830.D	**Analyst approved:**	05/27/14 09:57 Ashley Royal
Injection Time:	05/24/14 12:37	**Supervisor approved:**	05/30/14 12:25 Nina Pandya

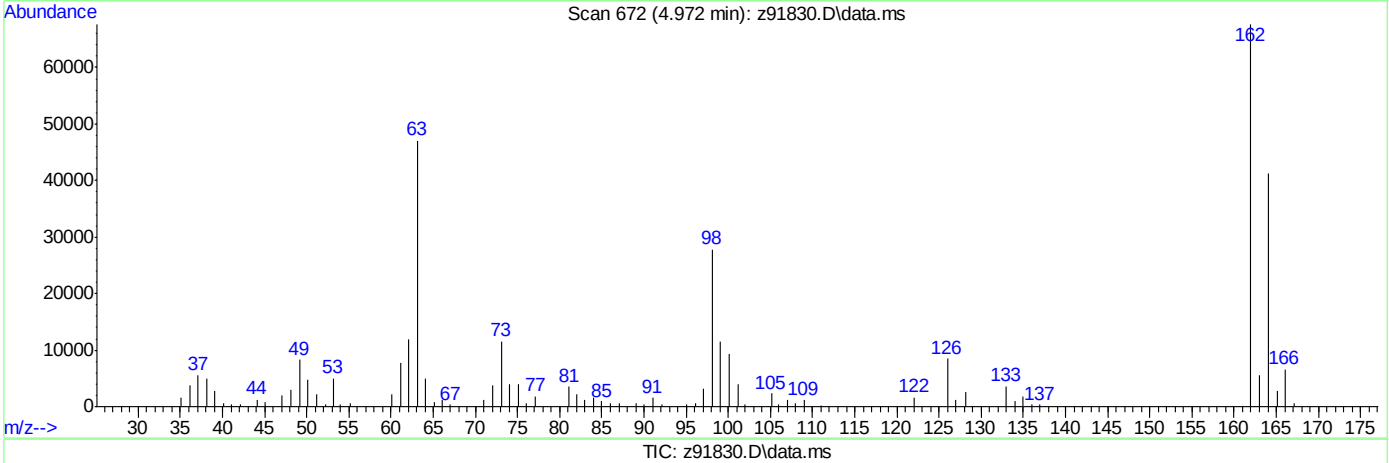
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		4.89	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		14.27	Poor instrument integration

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

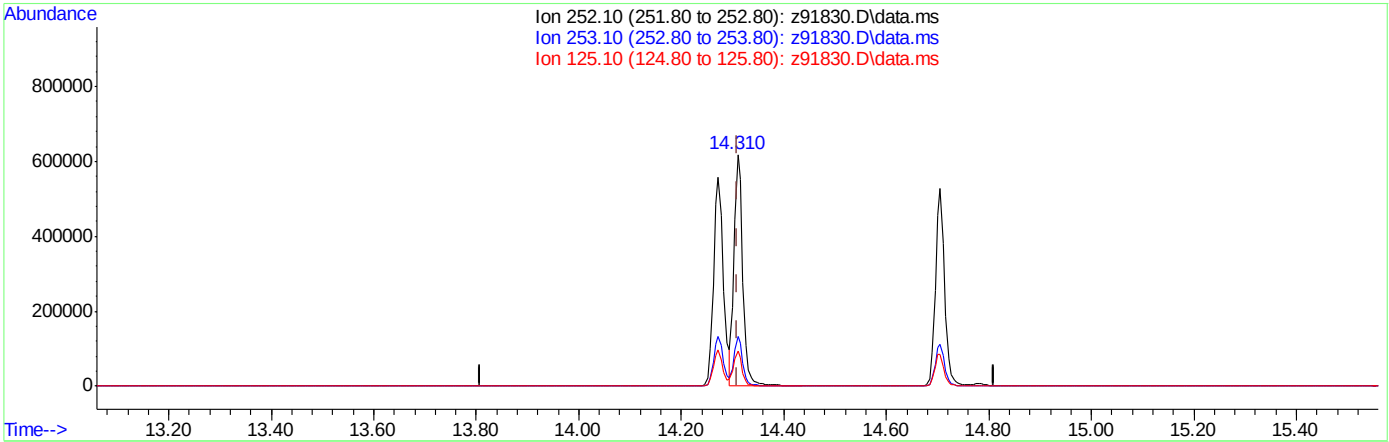
response 1469

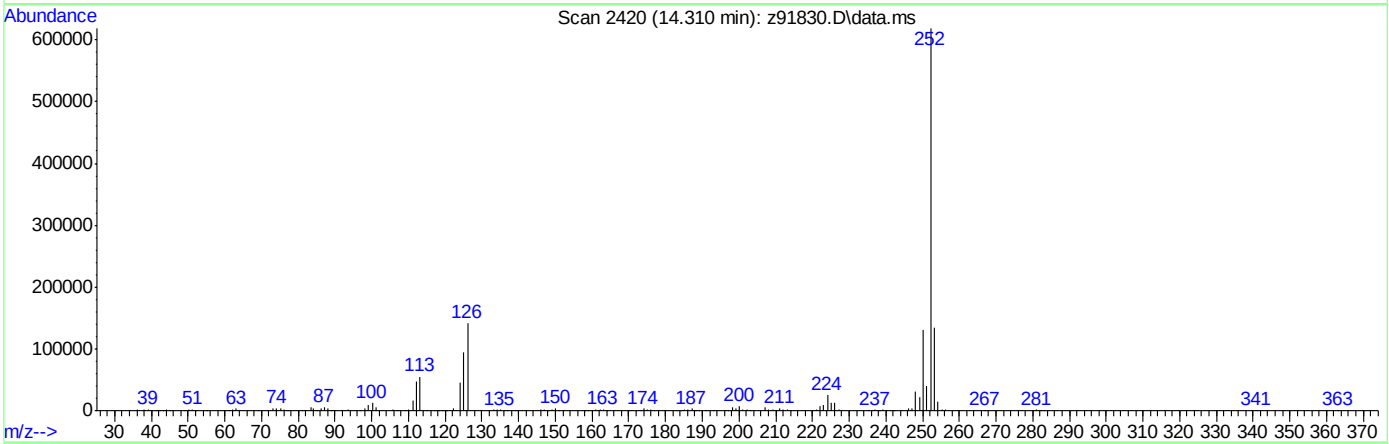
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	243.91#
77.10	33.90	103.13#
0.00	0.00	0.00

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

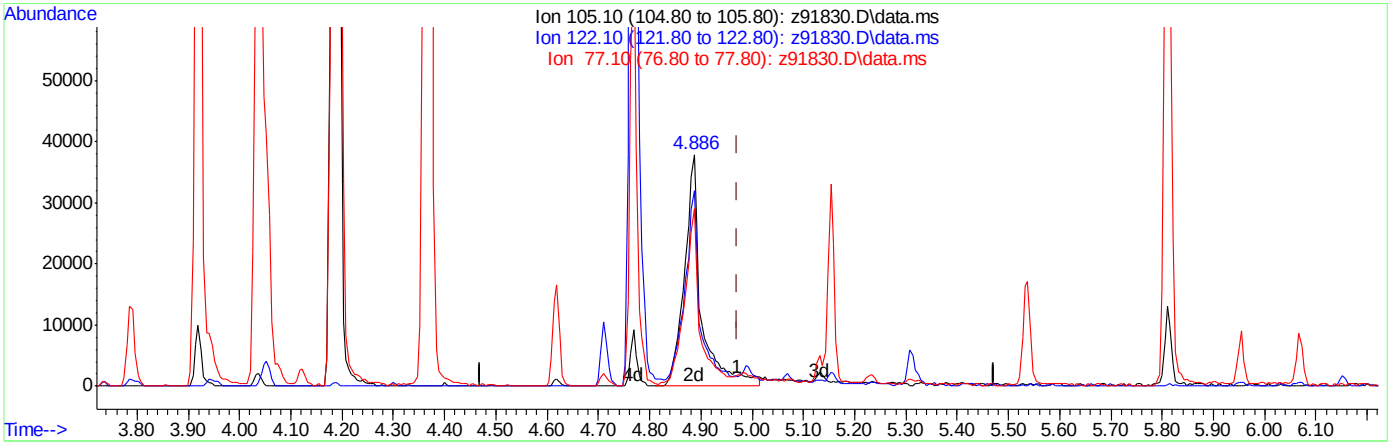
response 747158

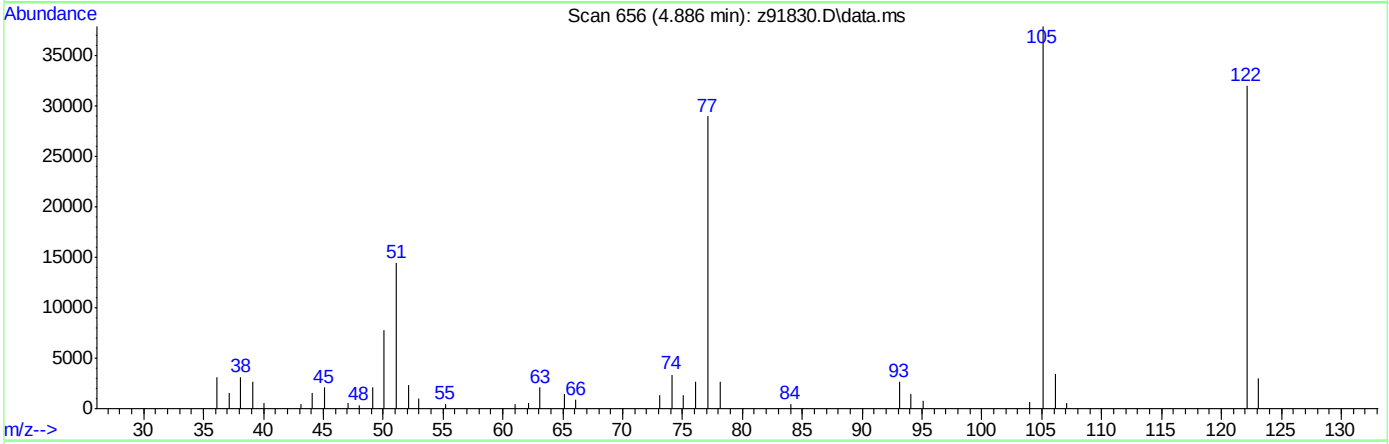
Ion	Exp%	Act%
252.10	100	100
253.10	24.00	21.54
125.10	17.10	14.97
0.00	0.00	0.00

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

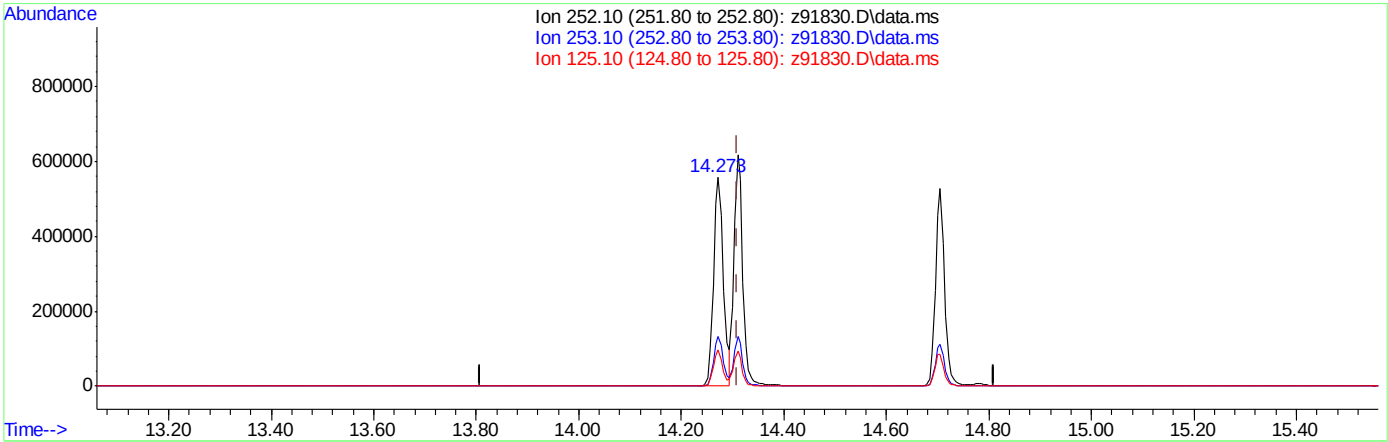
response 88658

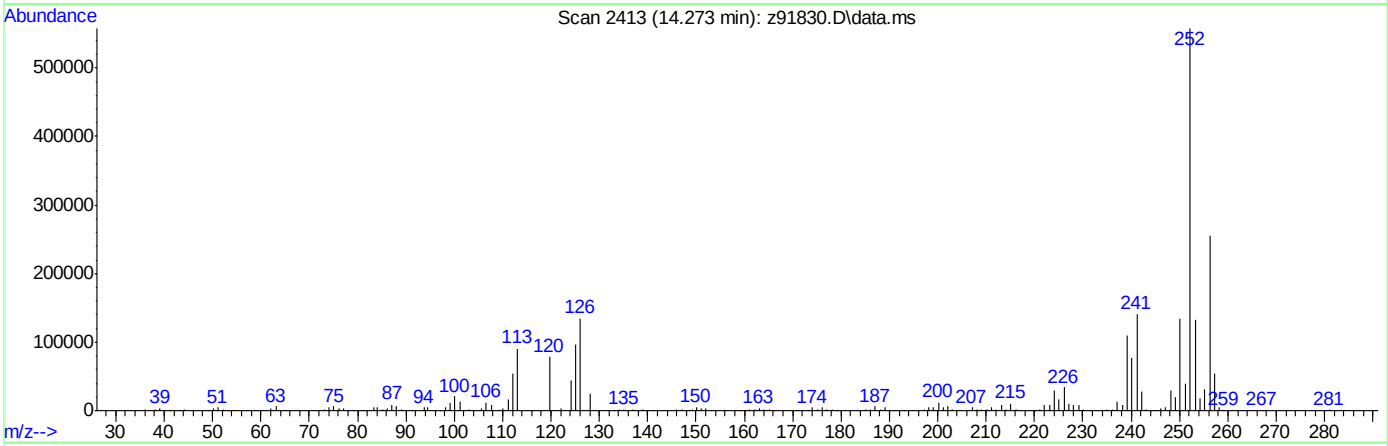
Ion	Exp%	Act%
105.10	100	100
122.10	106.20	4.04#
77.10	33.90	1.71#
0.00	0.00	0.00

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 JB67976

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

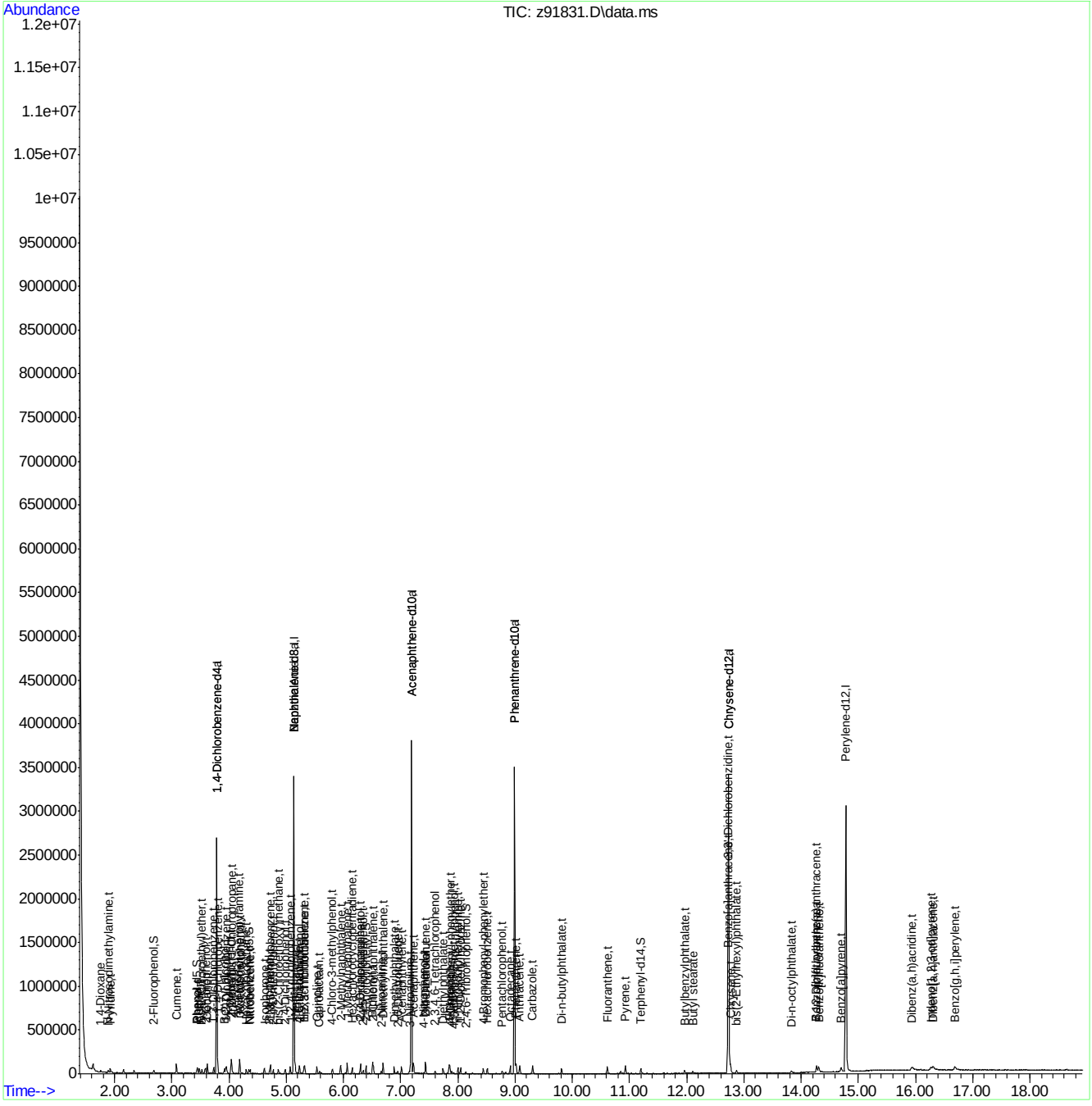
9.6.36

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 JB67976

Manual Integration Approval Summary

Sample Number: EZ4569-IC4569
Lab FileID: Z91831.D
Injection Time: 05/24/14 13:03

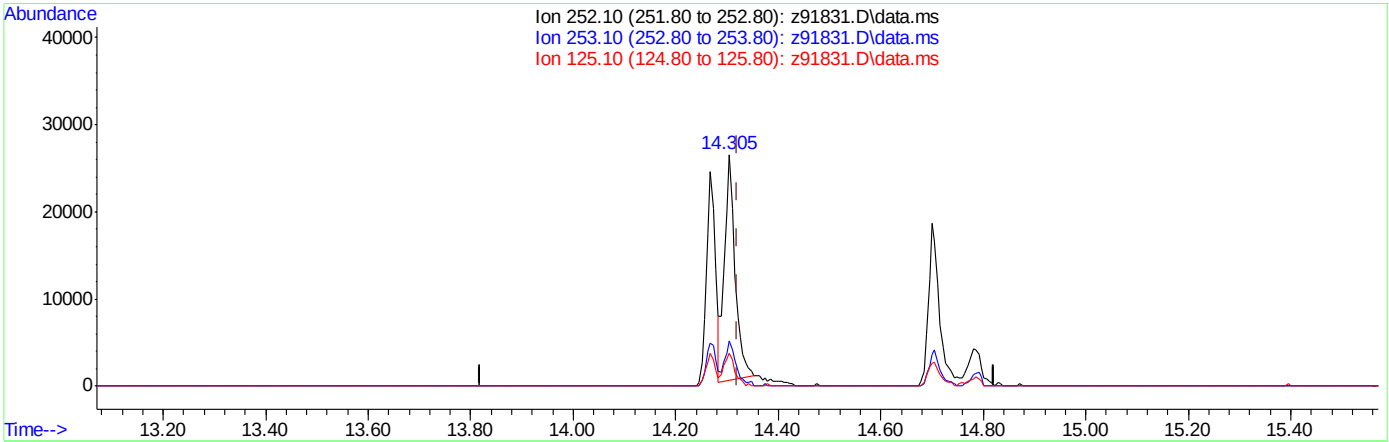
Method: SW846 8270D
Analyst approved: 05/27/14 09:57 Ashley Royal
Supervisor approved: 06/02/14 08:28 Cheng-Hwan Ao

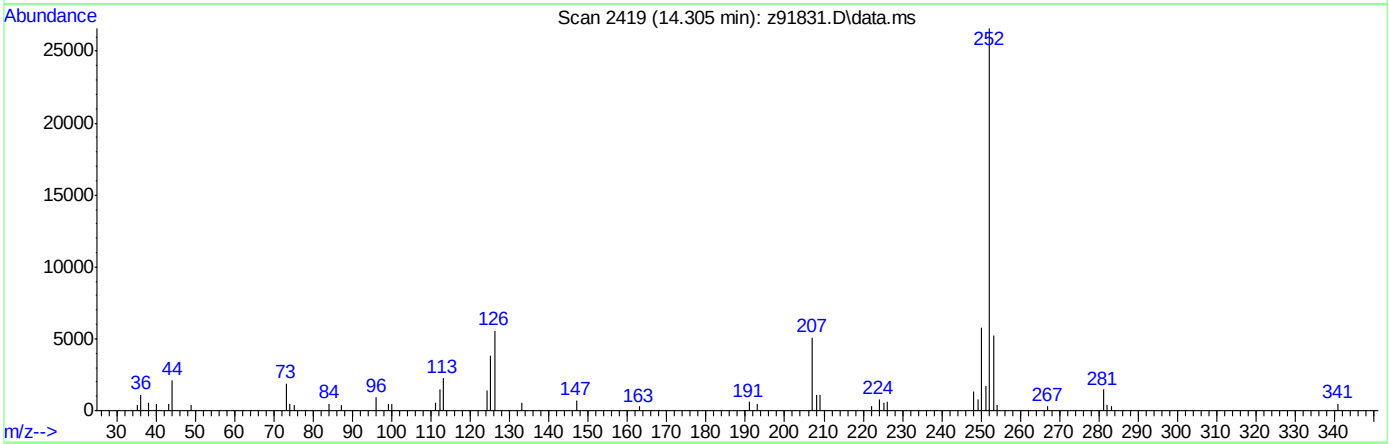
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(k)fluoranthene	207-08-9		14.30	Poor instrument integration
Dibenz(a,h)acridine	226-36-8		15.93	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		16.31	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.69	Poor instrument integration

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

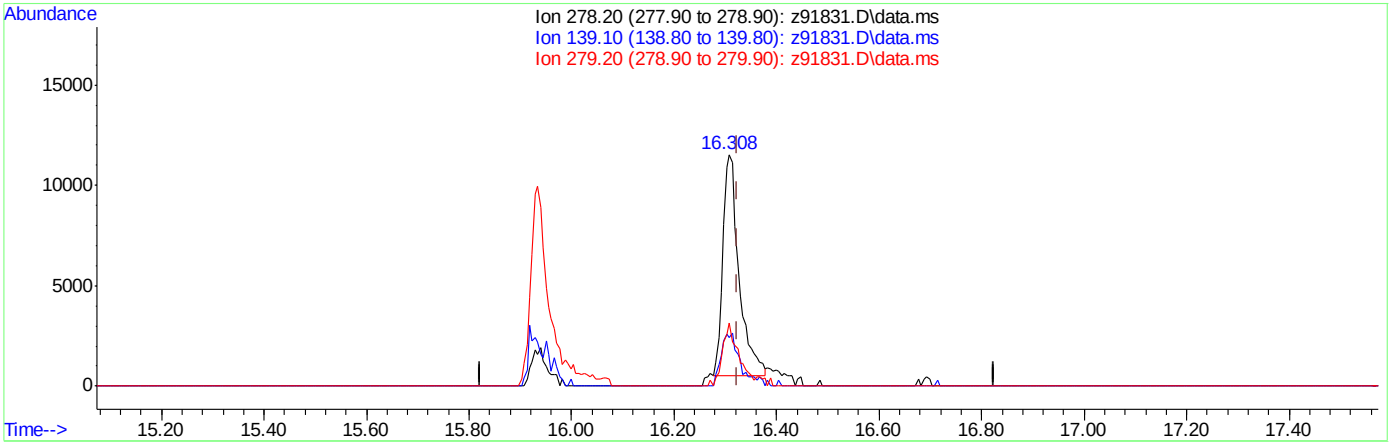
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.65
125.10	15.00	15.10
0.00	0.00	0.00

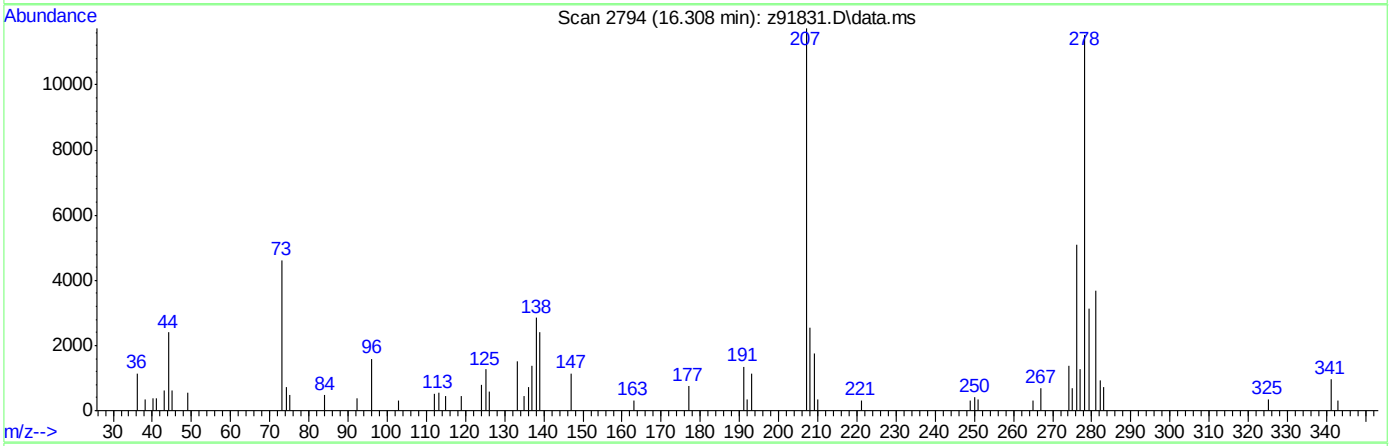
ACCUTEST LABORATORIES JB67976

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

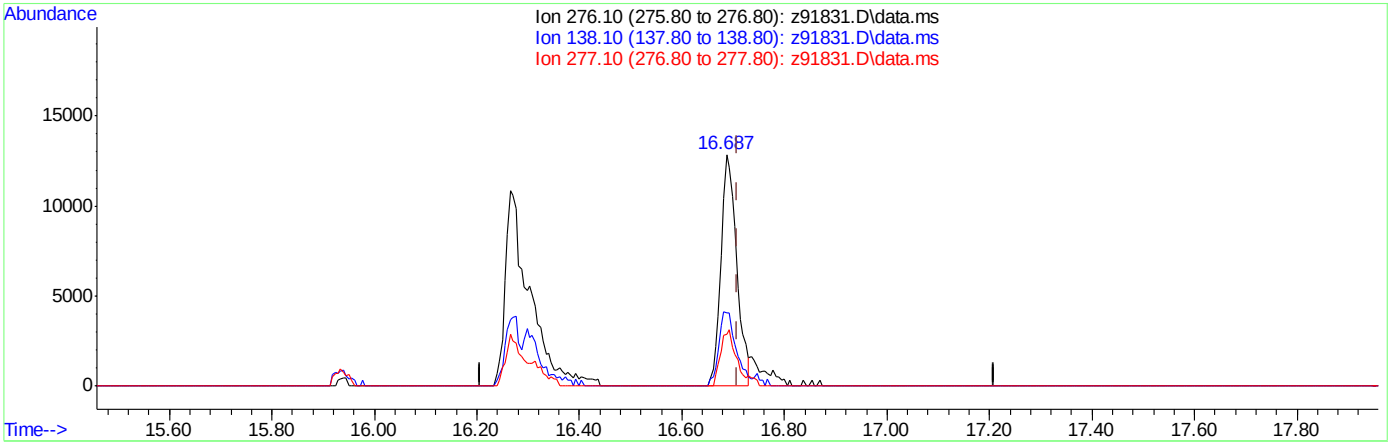
Ion	Exp%	Act%
278.20	100	100
139.10	24.10	22.27
279.20	23.20	27.00
0.00	0.00	0.00

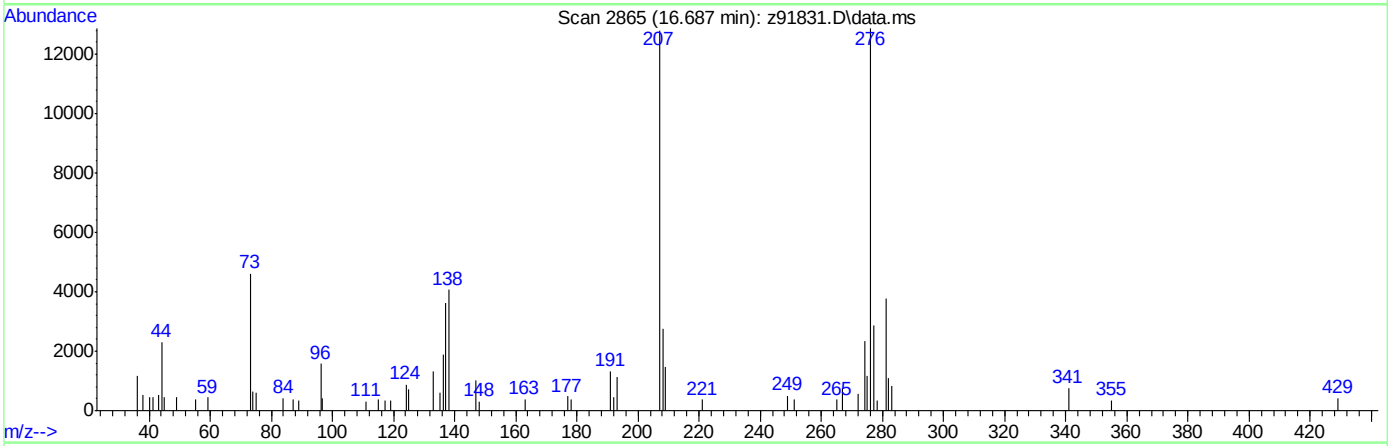
ACCUTEST LABORATORIES JB67976

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

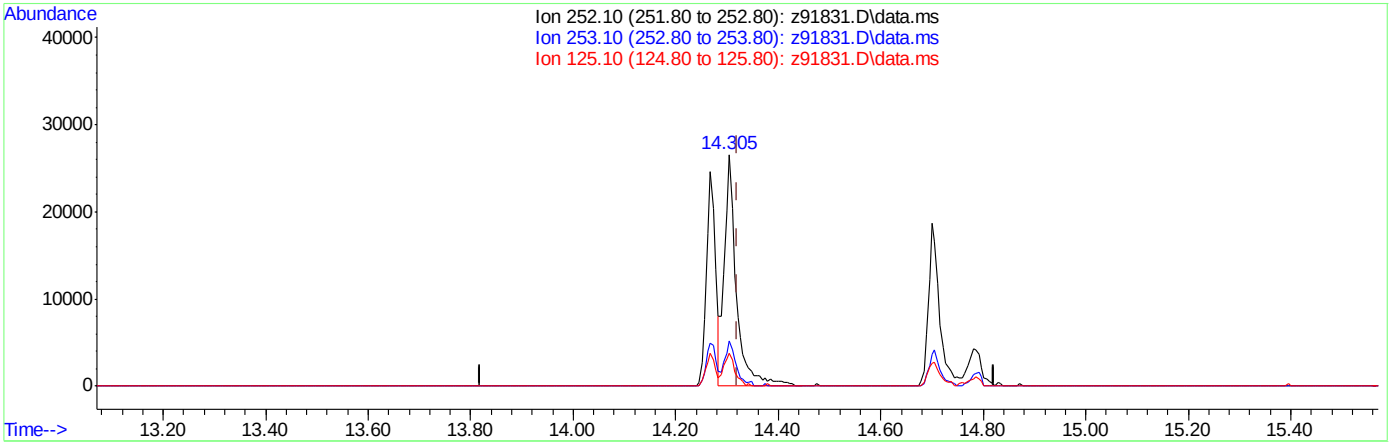
response 27386

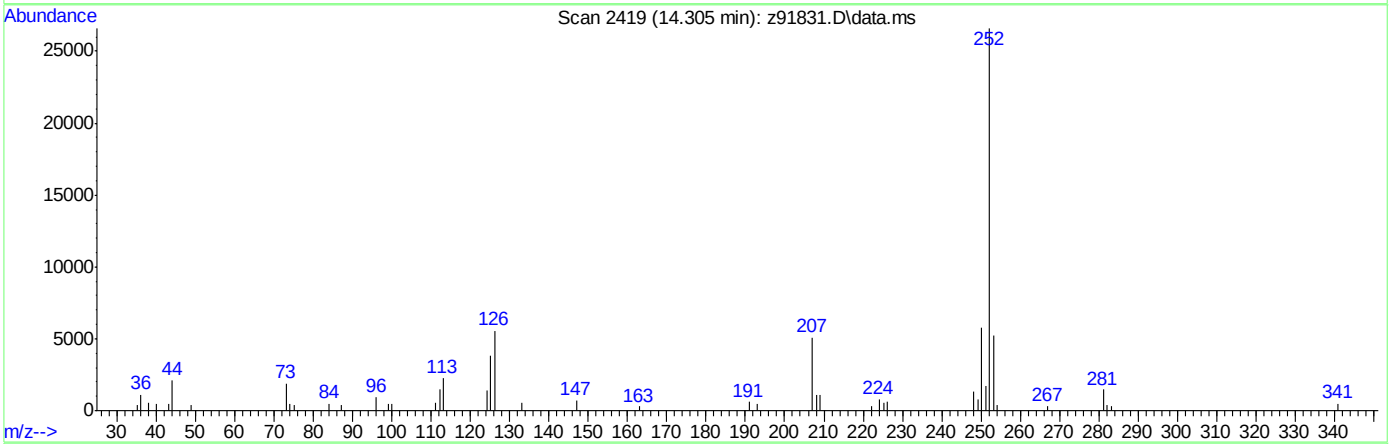
Ion	Exp%	Act%
276.10	100	100
138.10	33.70	31.44
277.10	23.60	21.46
0.00	0.00	0.00

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

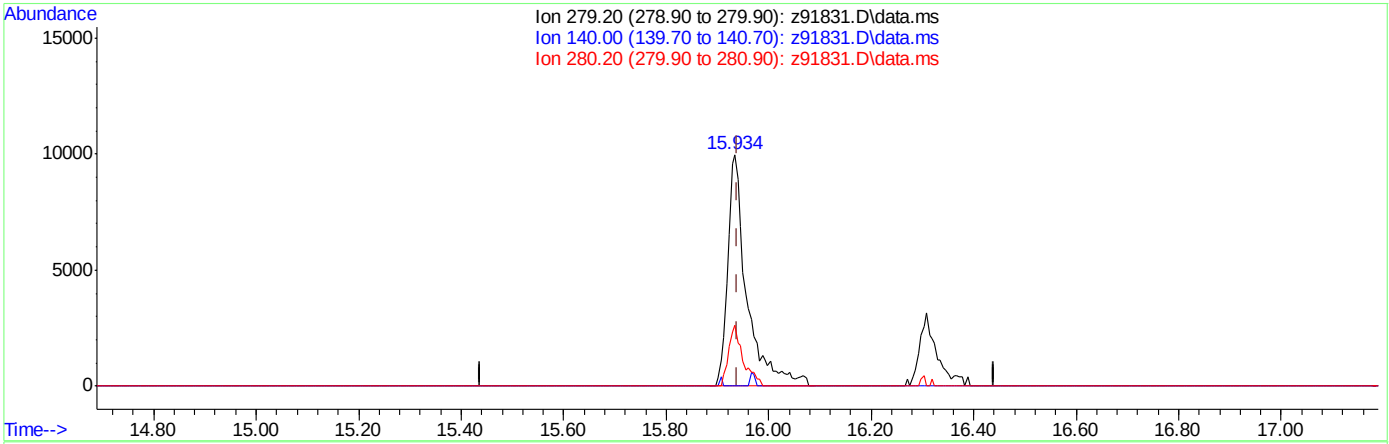
response 43102

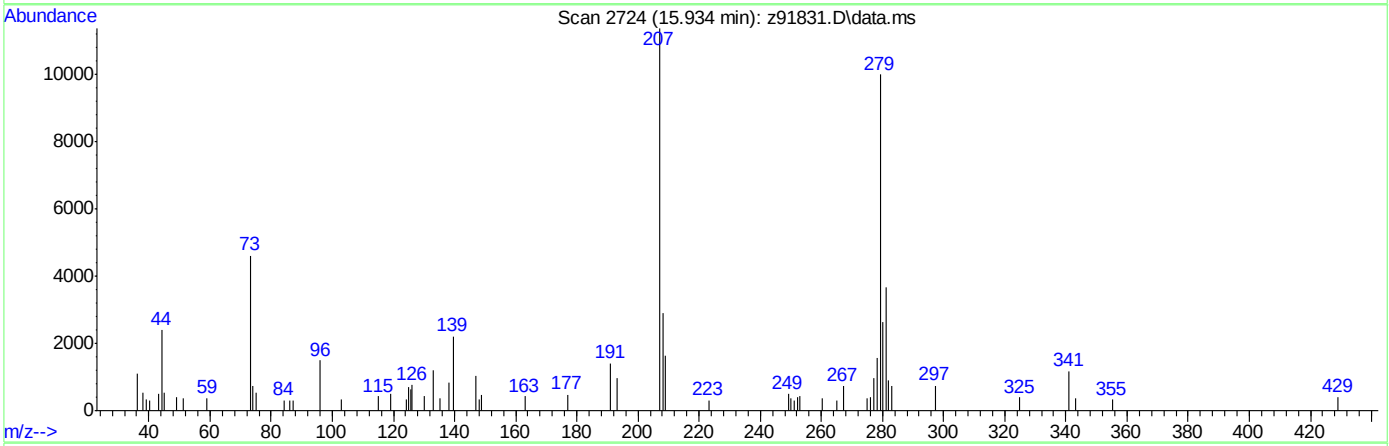
Ion	Exp%	Act%
252.10	100	100
253.10	21.20	19.59
125.10	15.00	14.39
0.00	0.00	0.00

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

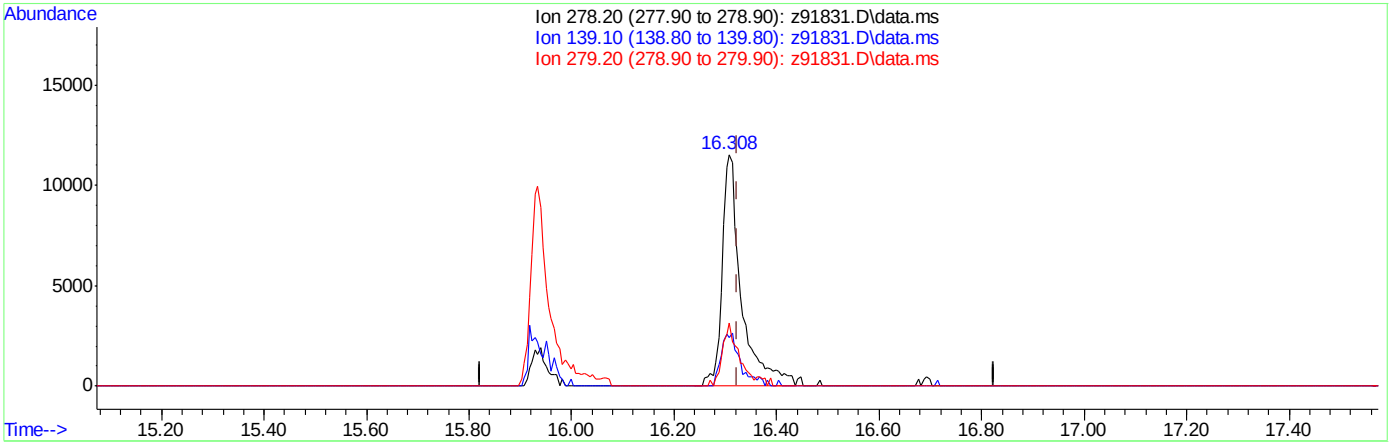
9.6.36.9

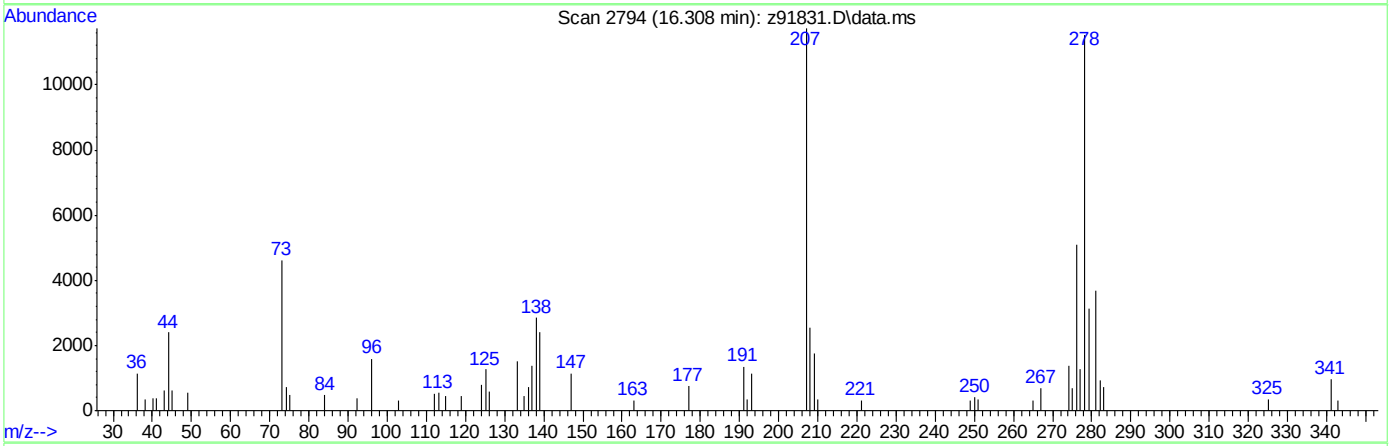
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\ez4569\
Data File : z91831.D
Acq On : 24 May 2014 1:03 pm
Operator : ashleyv
Sample : IC4569-1
Misc : op73791,ez4569
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 24 14:45:10 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

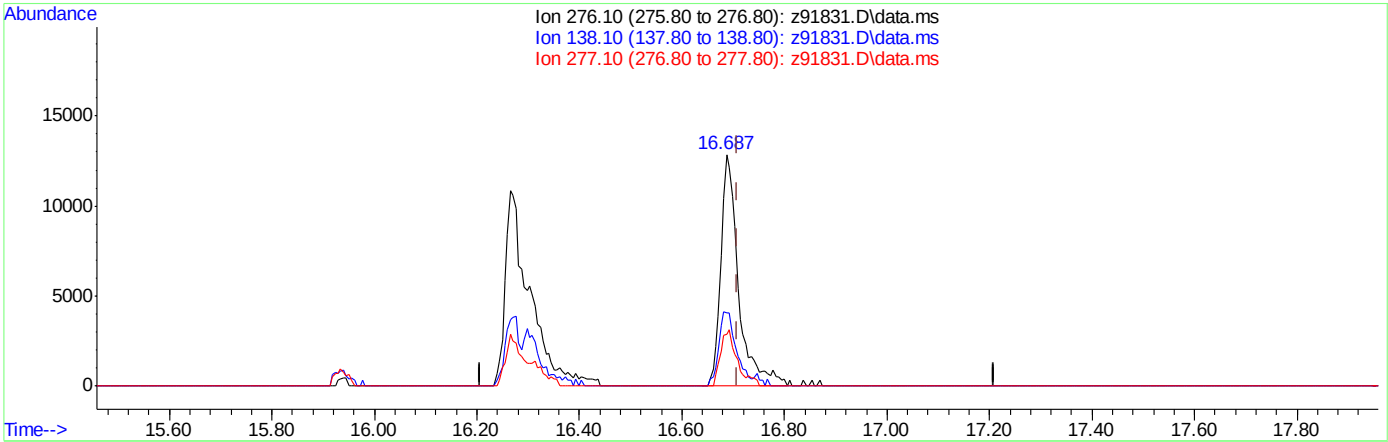
ACCUTEST LABORATORIES JB67976

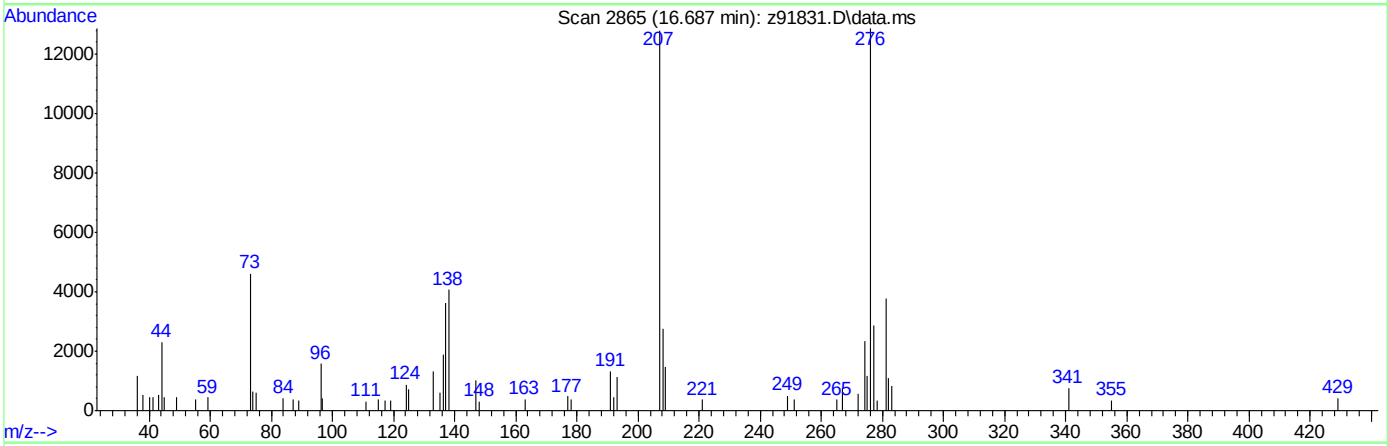
Z91831.D edits: Dibenz[a,h]anthracene

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

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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

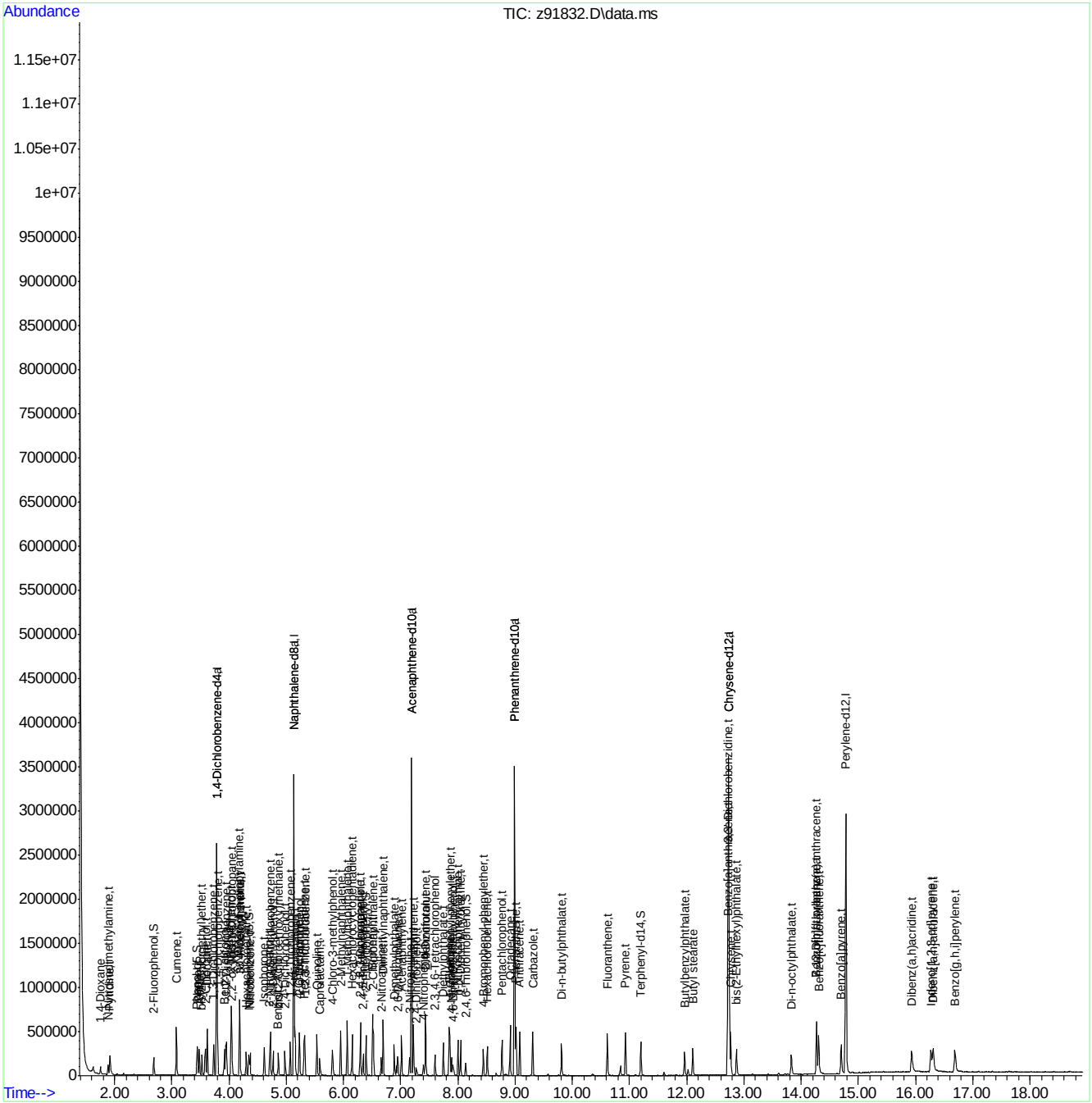
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.080	178	212121	5.37	ppb	100
79) Carbazole	9.310	167	226156	5.53	ppb	98
80) Di-n-butylphthalate	9.812	149	201914	5.03	ppb	99
81) Fluoranthene	10.613	202	210043	5.30	ppb	99
82) Octadecane	8.914	57	107178	5.57	ppb	94
84) Pyrene	10.928	202	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 JB67976

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

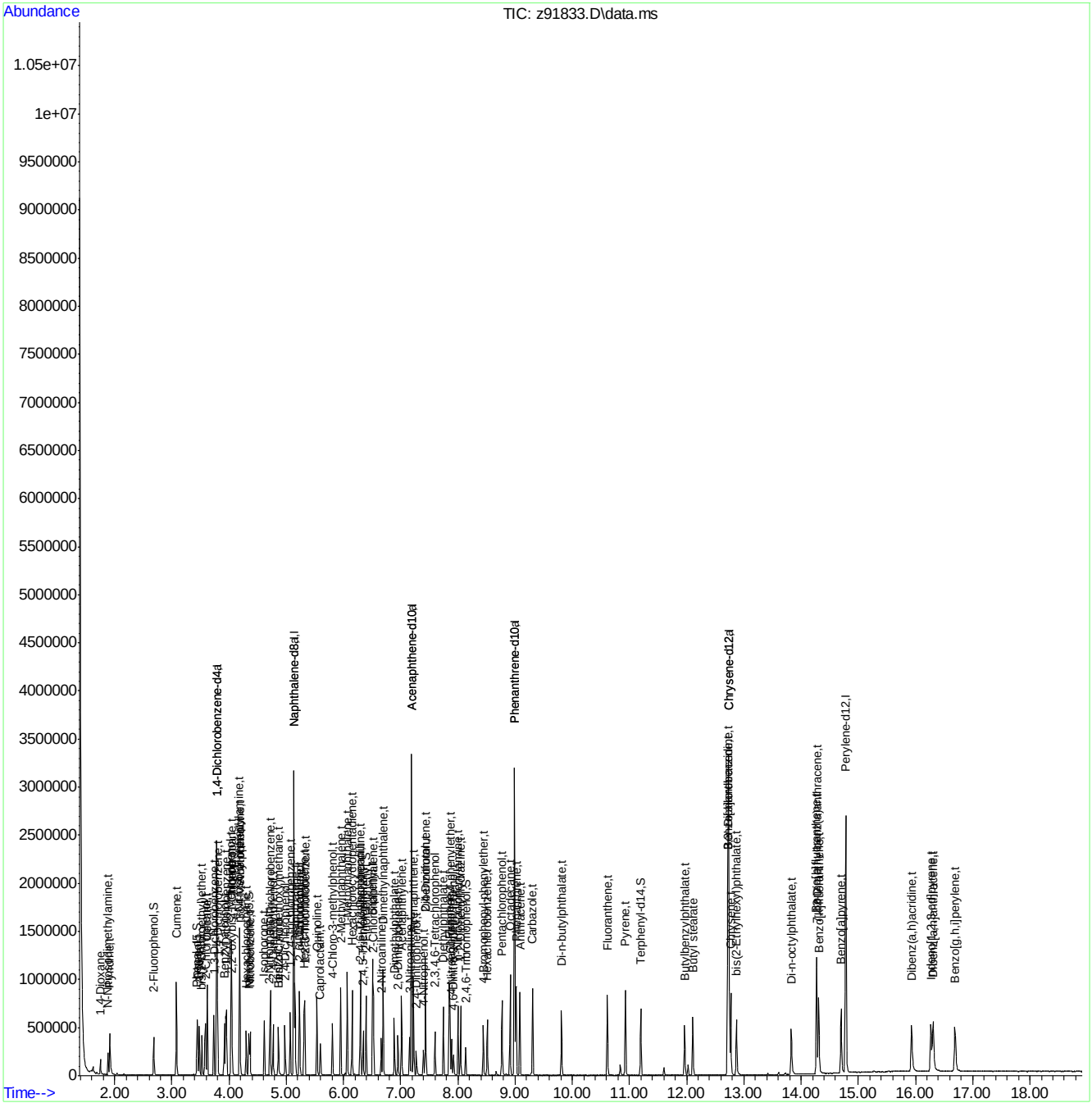
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	9.085	178	375513	10.33	ppb	99
79) Carbazole	9.304	167	401956	10.67	ppb	100
80) Di-n-butylphthalate	9.812	149	382808	10.35	ppb	100
81) Fluoranthene	10.613	202	377386	10.33	ppb	99
82) Octadecane	8.914	57	199420	11.26	ppb	94
84) Pyrene	10.928	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

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

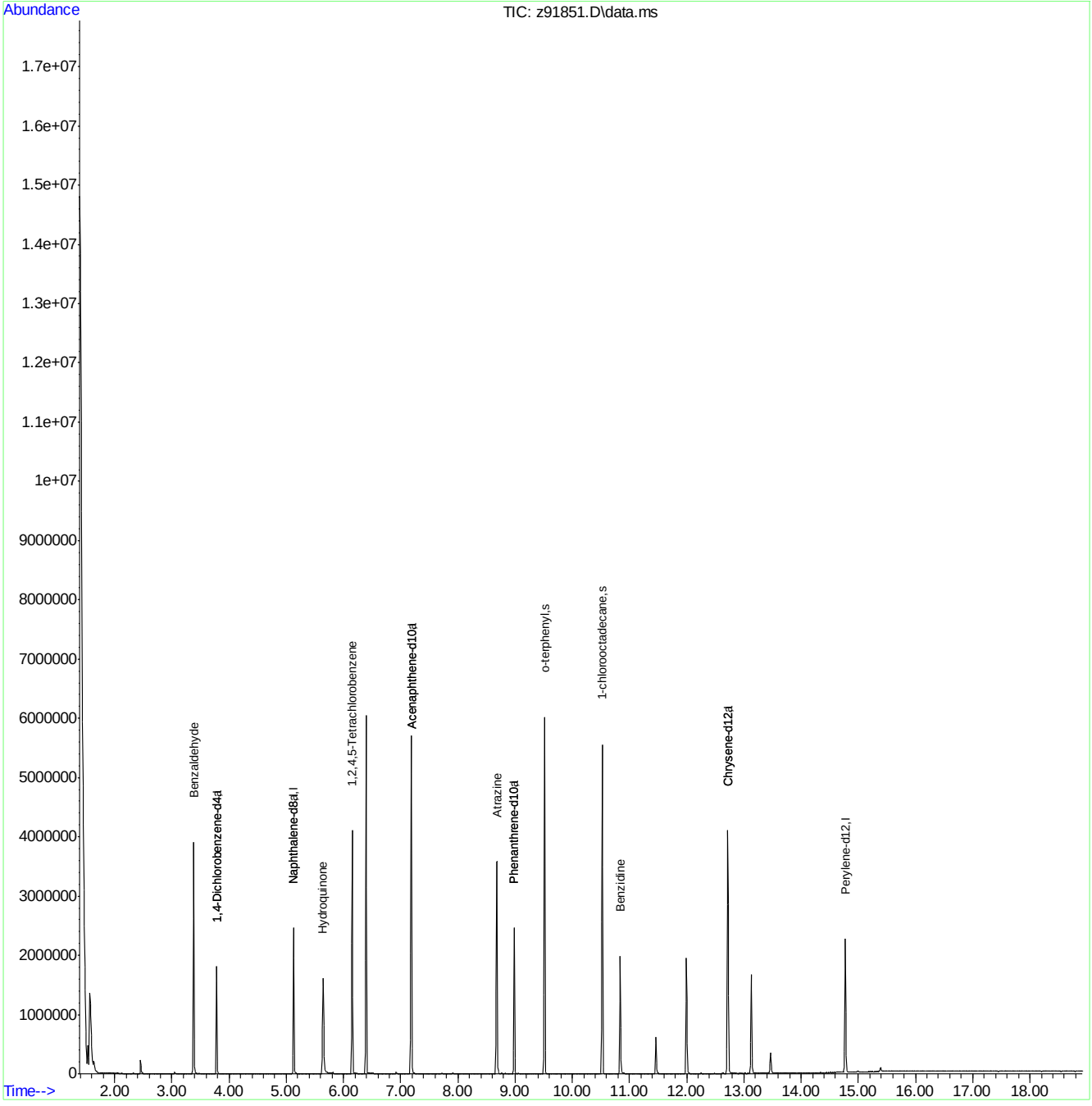
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	266639	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1071748	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	559571	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1000276	40.00	ppb	0.00
83) Chrysene-d12	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 JB67976

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

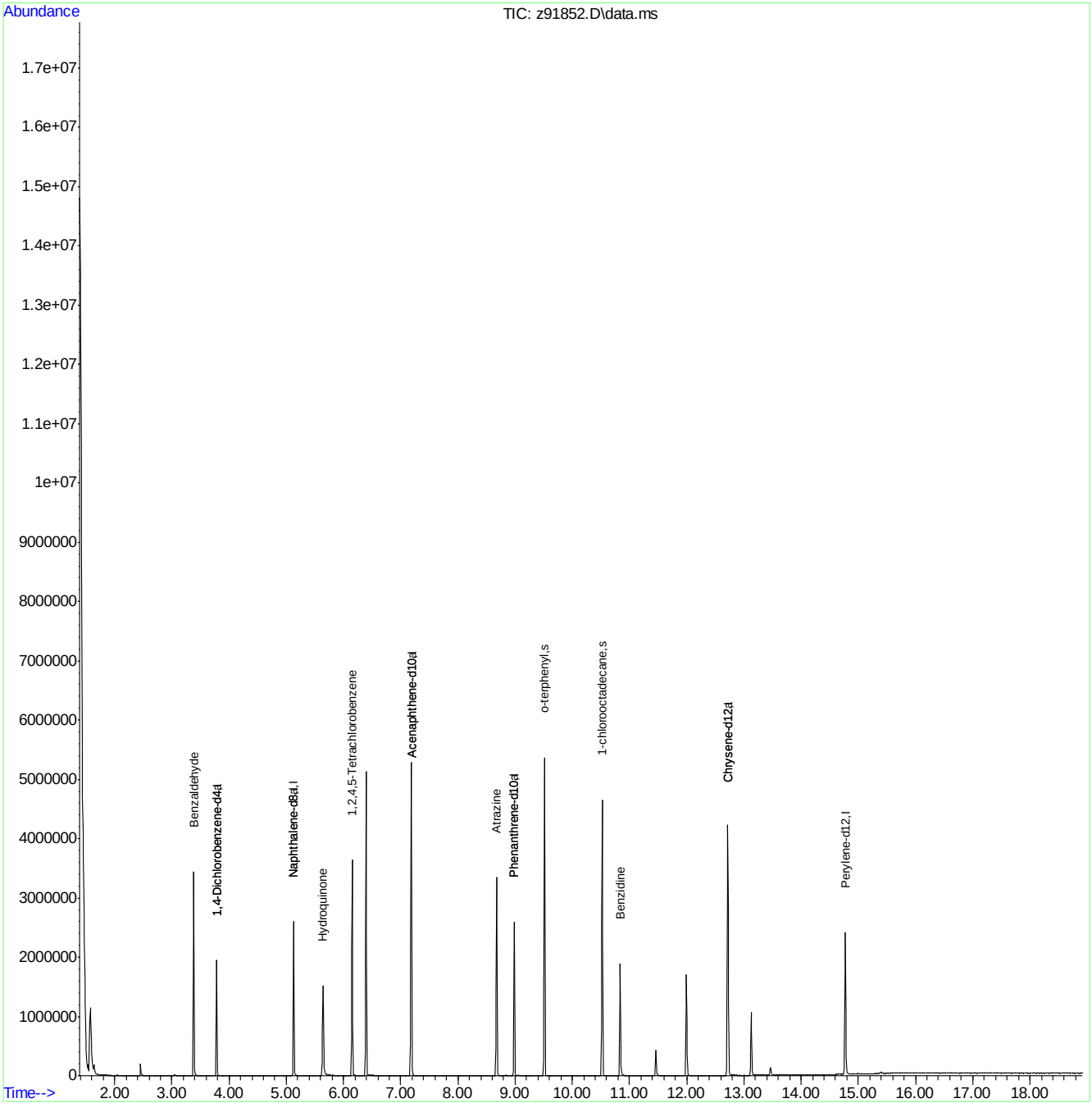
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	281976	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1135711	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	601679	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1051655	40.00	ppb	0.00
83) Chrysene-d12	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 JB67976

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

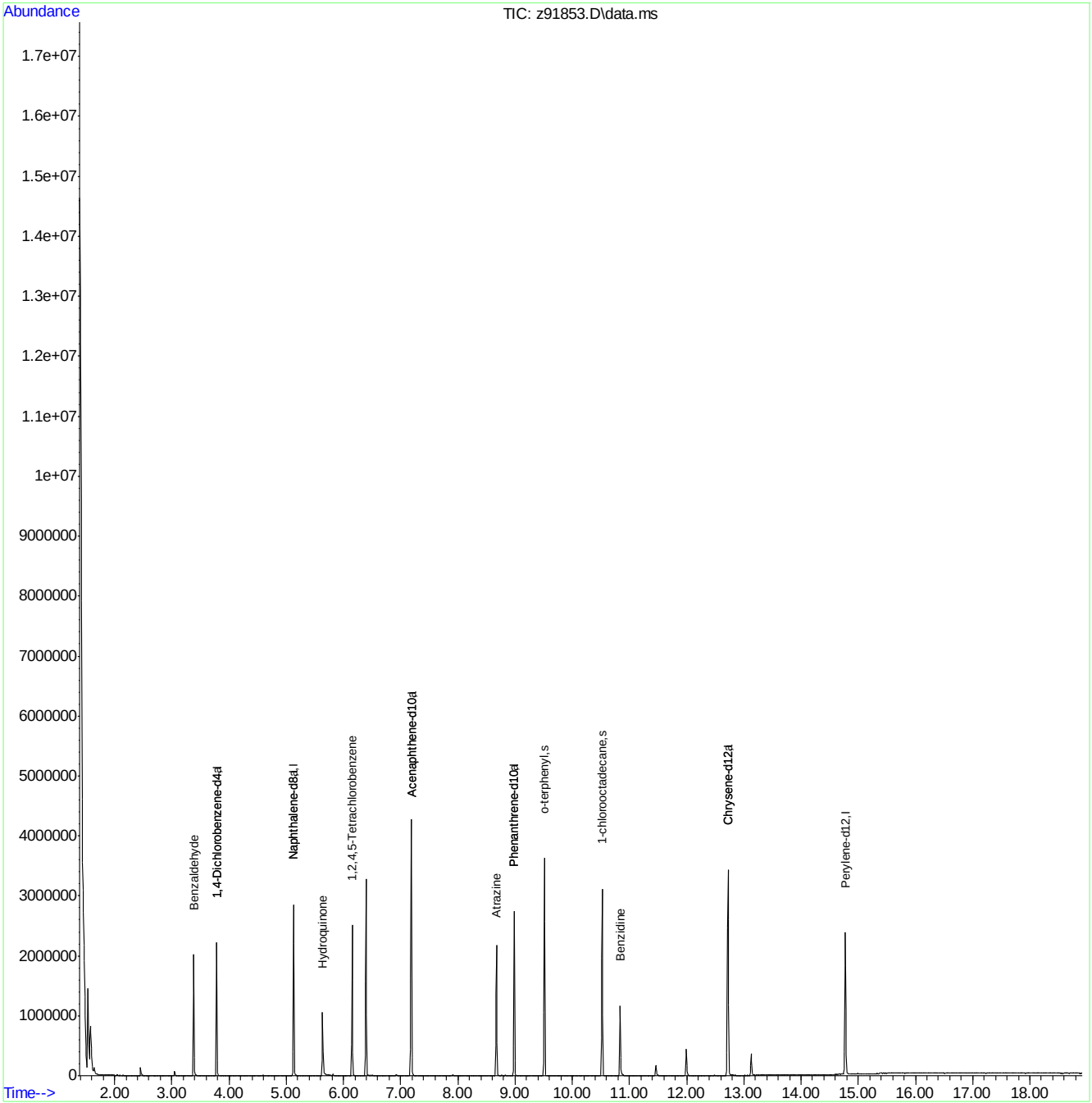
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	320910	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1253030	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	650323	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1105151	40.00	ppb	0.00
83) Chrysene-d12	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



ACCUTEST LABORATORIES JB67976

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

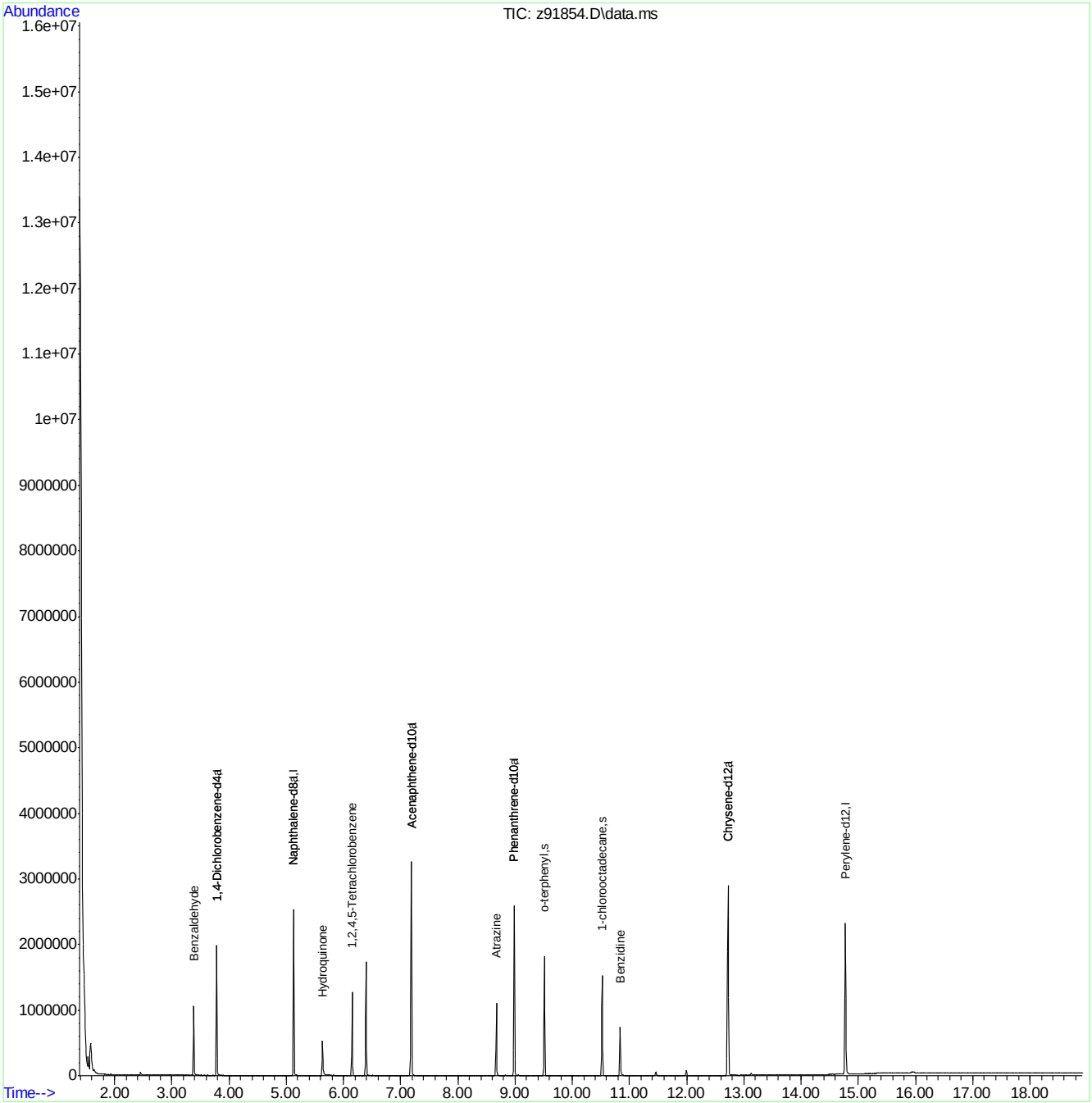
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	285903	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1112578	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	608381	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1050583	40.00	ppb	0.00
83) Chrysene-d12	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



MZ4569.M Wed May 28 15:34:02 2014 RTE Page: 2

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

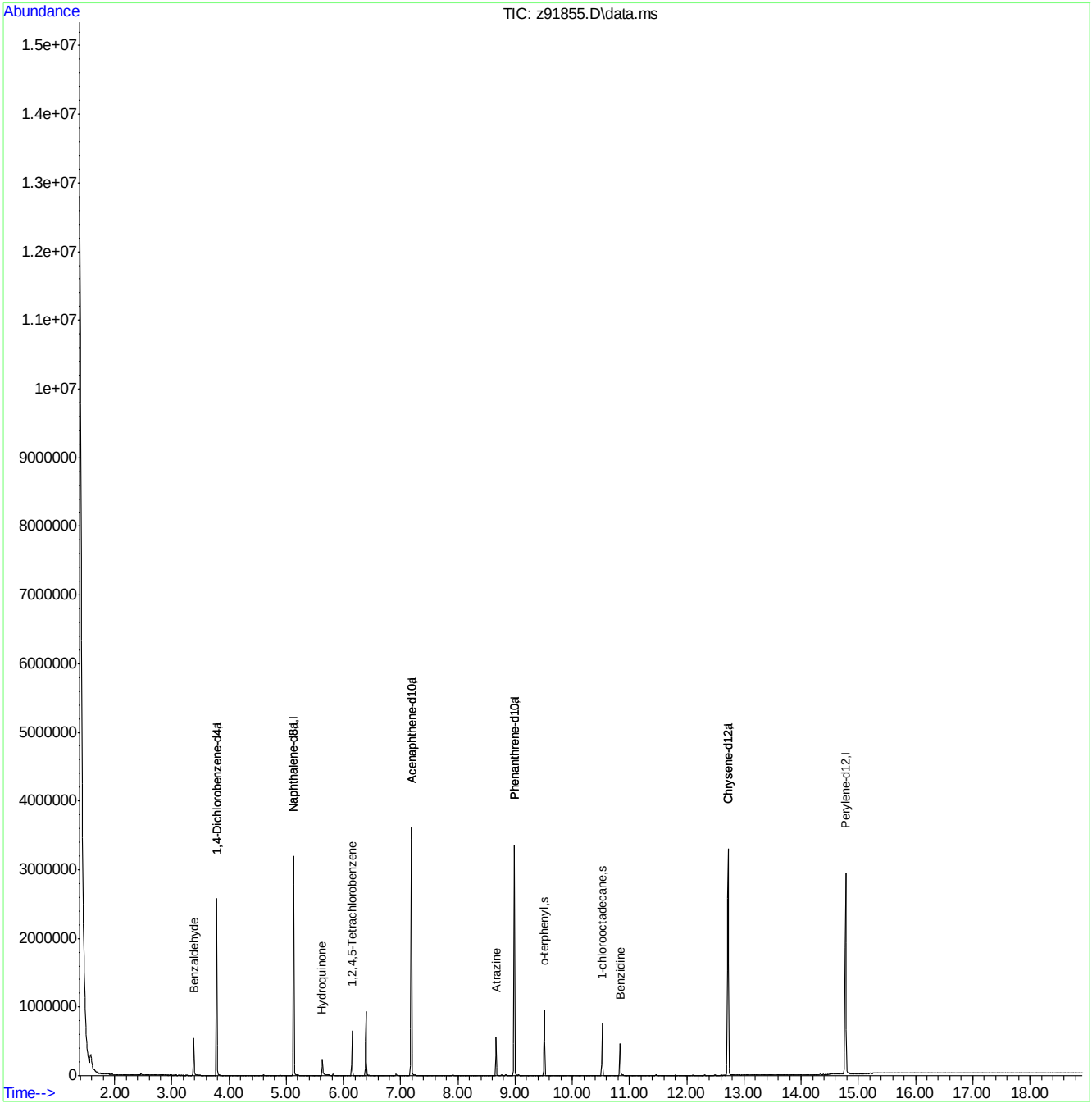
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	362717	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1431322	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	776012	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1320807	40.00	ppb	0.00
83) Chrysene-d12	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 JB67976

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

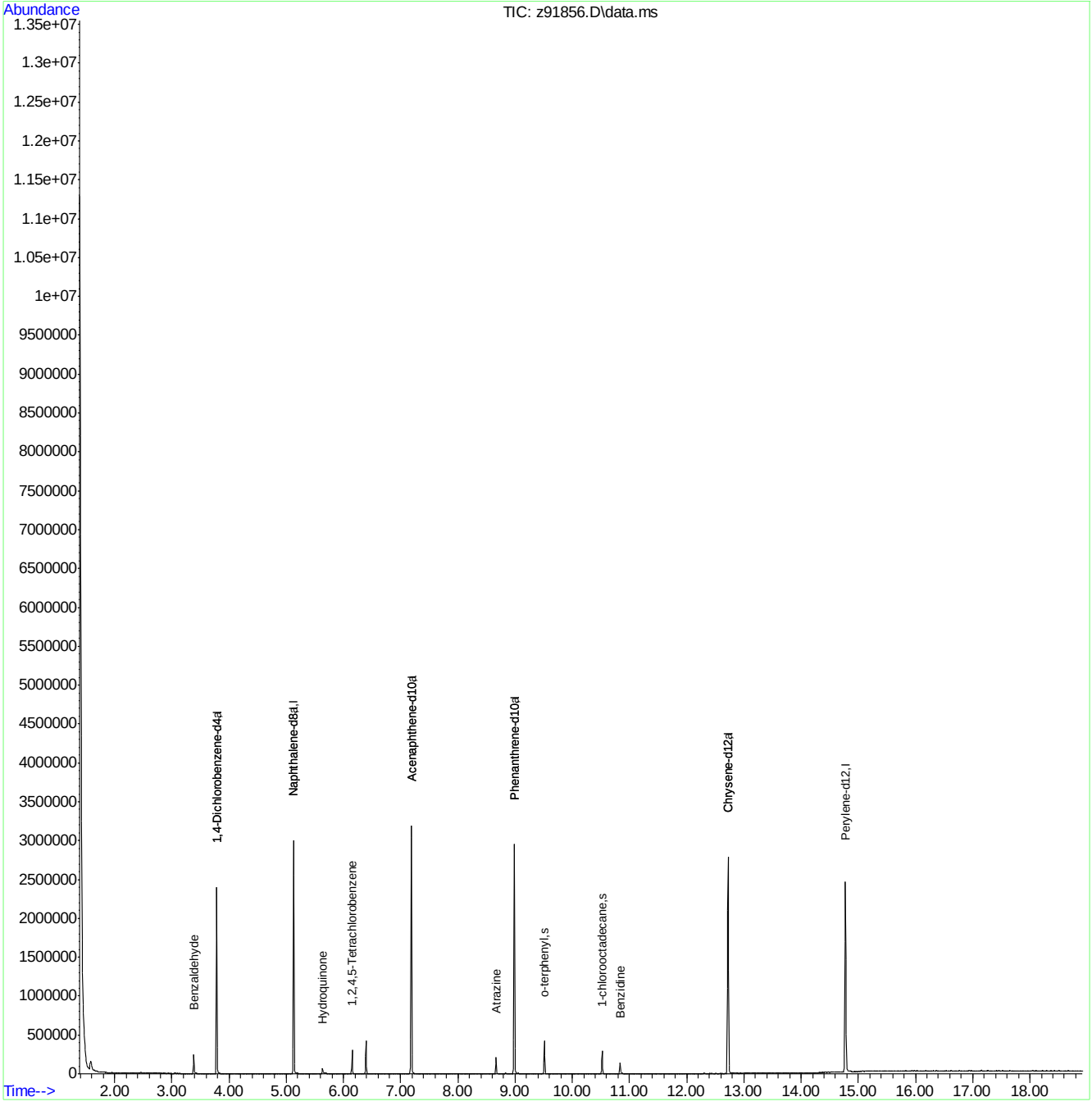
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	337946	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1317498	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	715543	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1200046	40.00	ppb	0.00
83) Chrysene-d12	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



ACCUTEST LABORATORIES JB67976

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

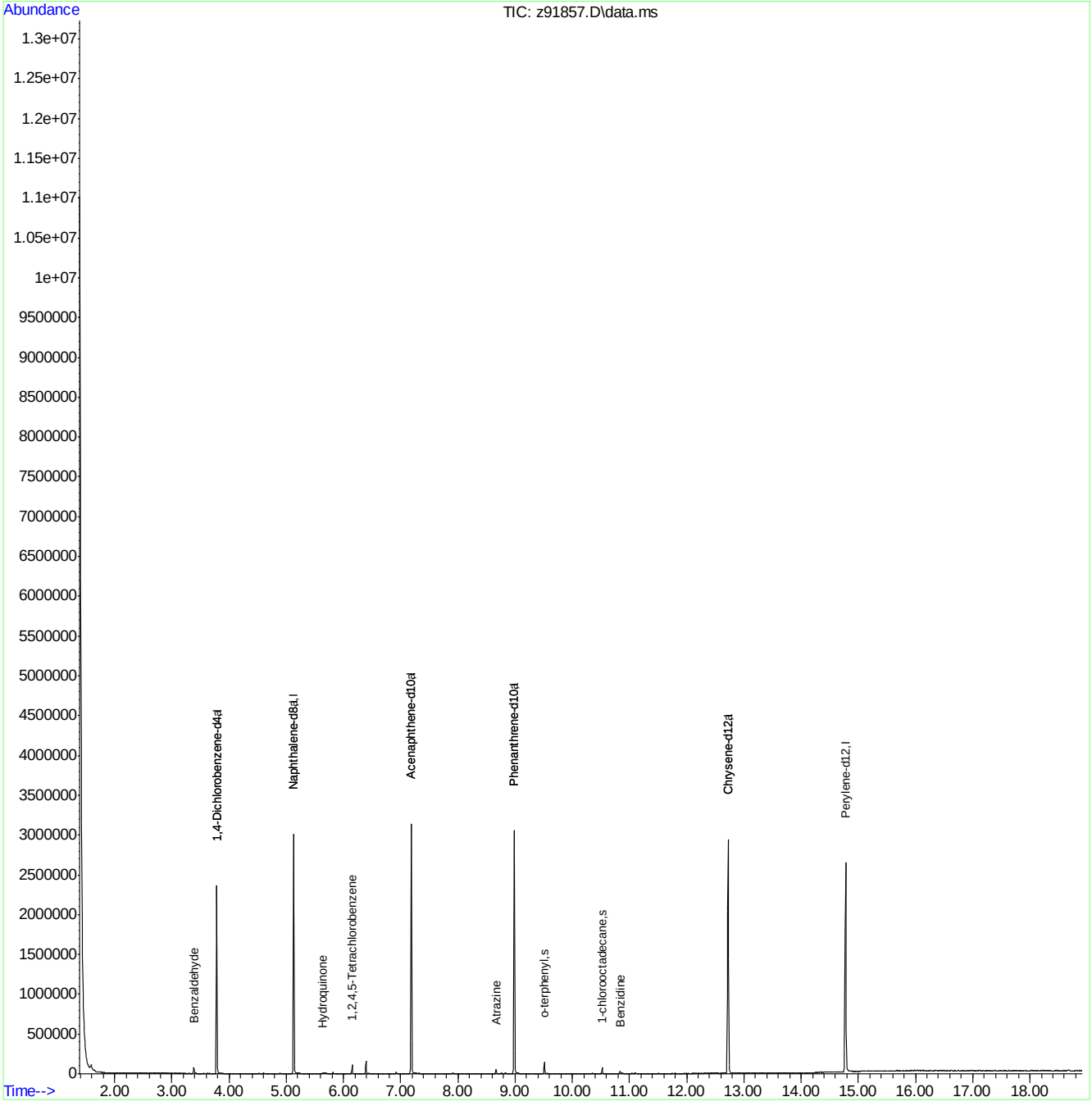
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	334351	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1309039	40.00	ppb	0.02
47) Acenaphthene-d10	7.184	164	722228	40.00	ppb	0.02
69) Phenanthrene-d10	8.984	188	1217625	40.00	ppb	0.02
83) Chrysene-d12	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



ACCUTEST LABORATORIES JB67976

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

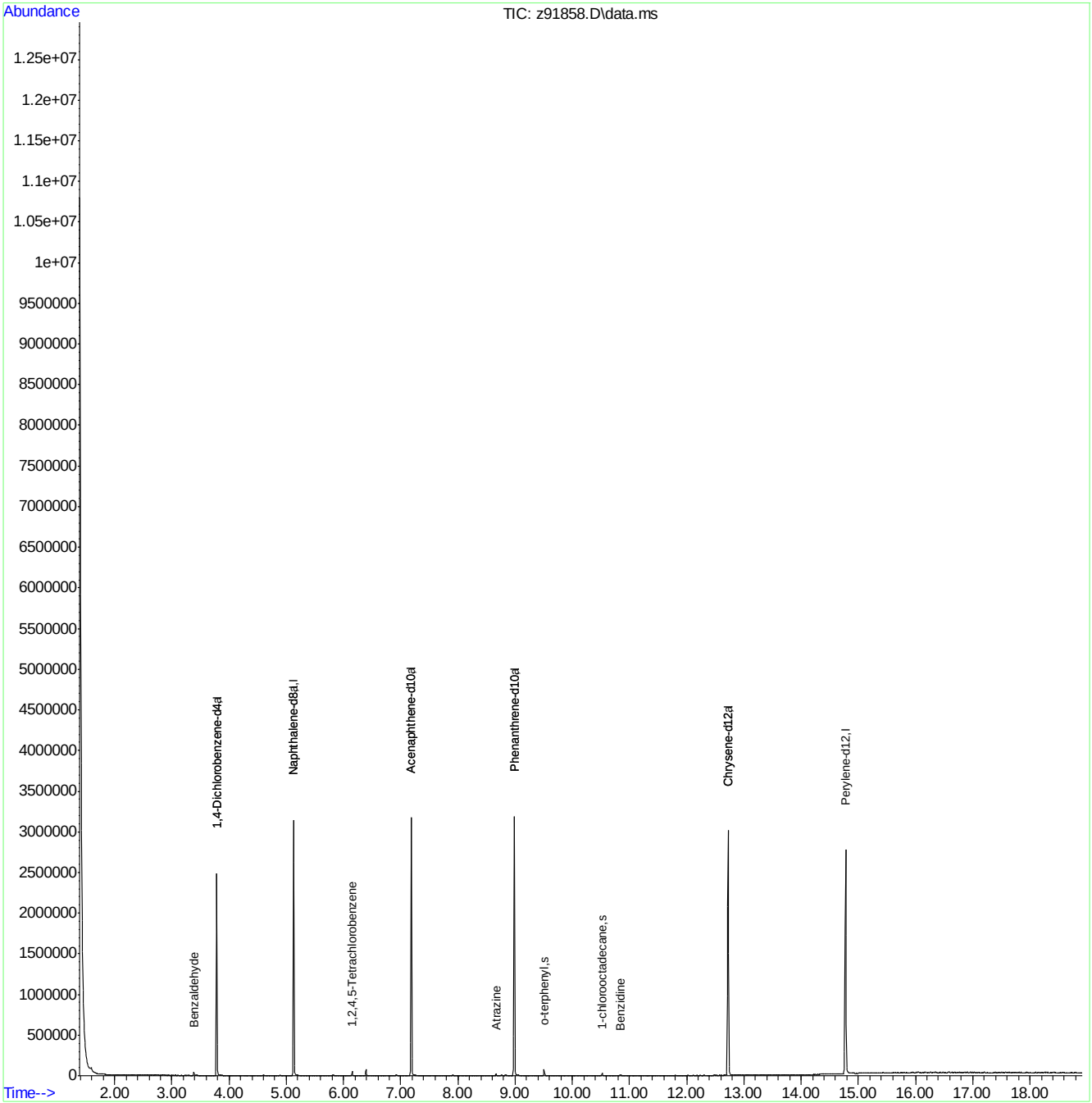
9.6.46

9

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



MZ4569.M Fri May 30 16:14:21 2014 RTE Page: 2

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

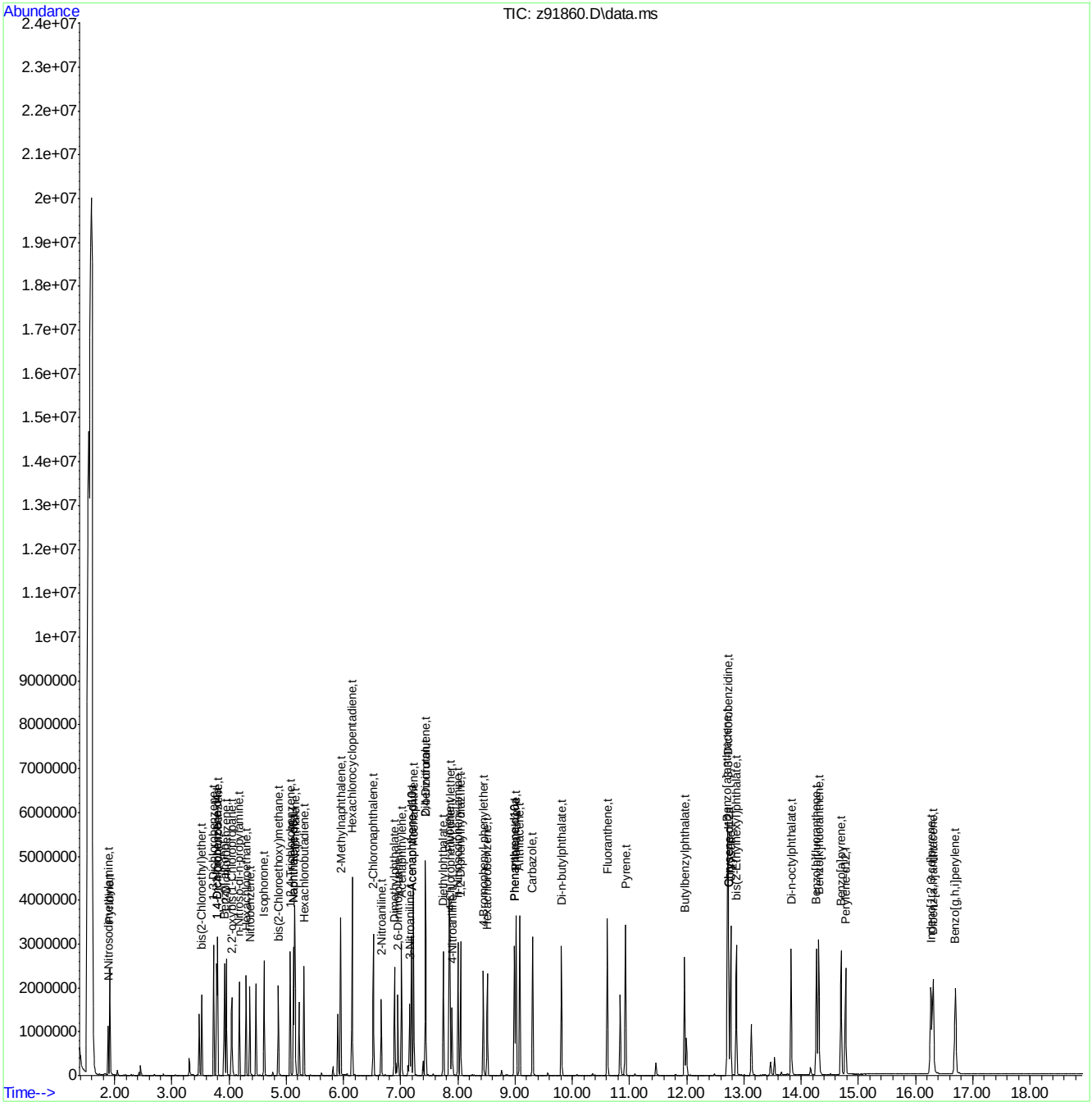
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	2-Chloronaphthalene	6.521	162	971325	44.32	ppb		98
54)	2-Nitroaniline	6.660	65	279347	46.48	ppb		92
55)	Dimethylphthalate	6.895	163	1067610	45.62	ppb		99
56)	Acenaphthylene	7.013	152	1367646	39.72	ppb		100
57)	2,6-Dinitrotoluene	6.954	165	231218	48.21	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

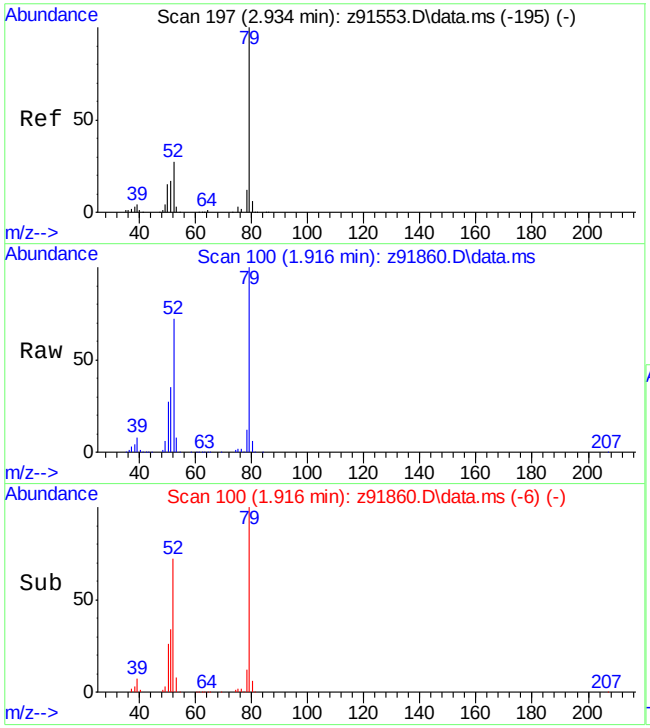
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

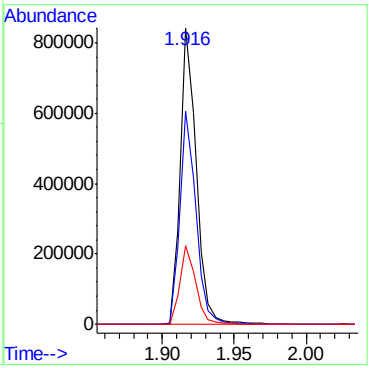


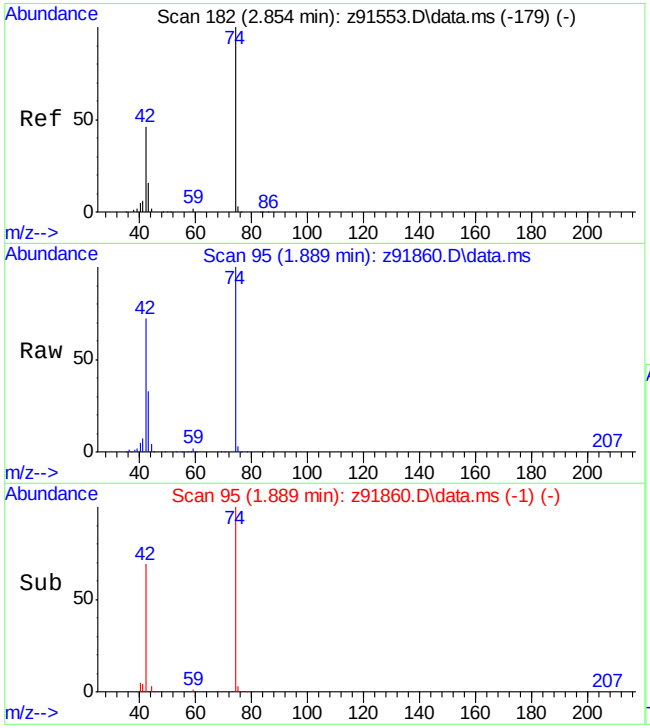


#3
Pyridine
Concen: 42.09 ppb
RT: 1.916 min Scan# 100
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

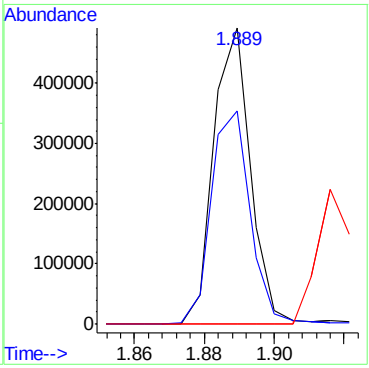


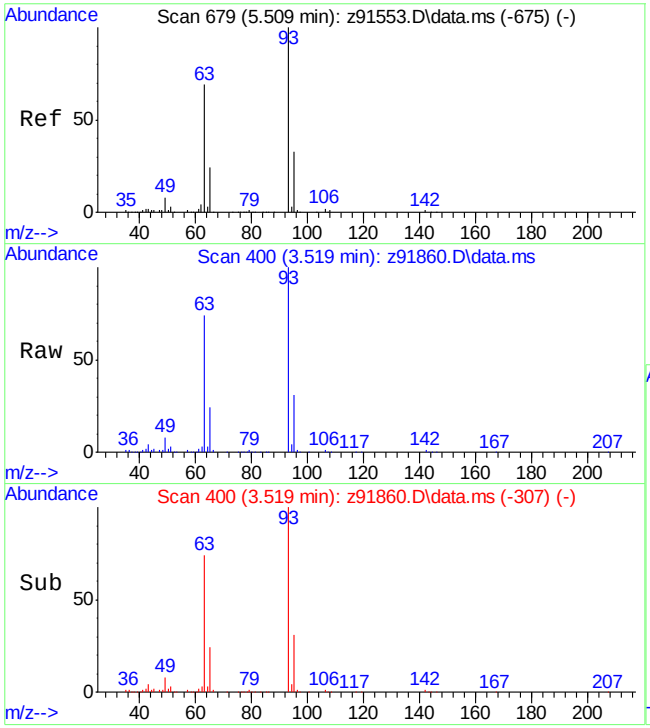


#4
N-Nitrosodimethylamine
Concen: 43.06 ppb
RT: 1.889 min Scan# 95
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

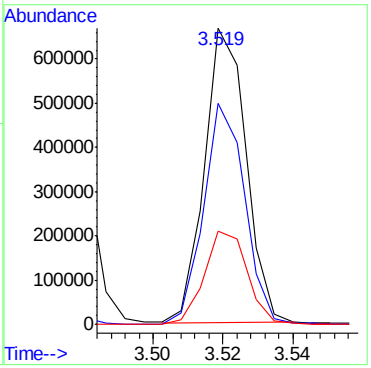


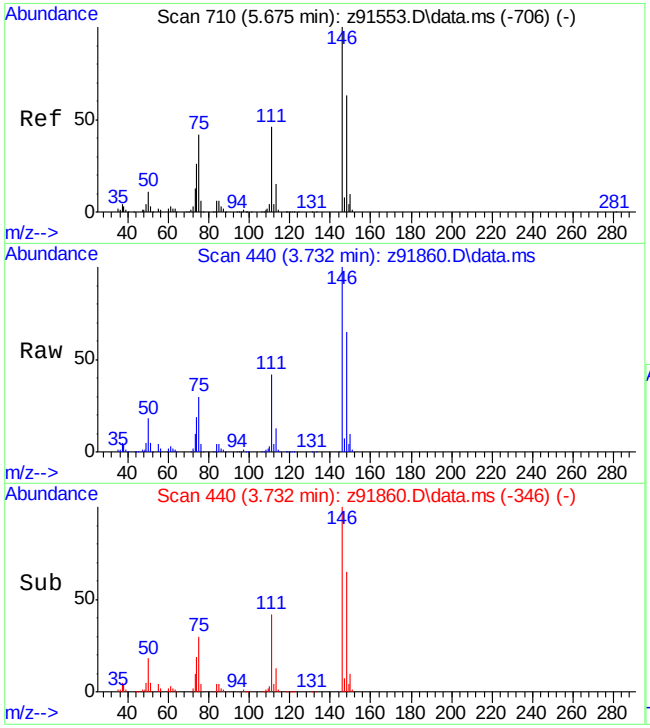


#11
bis(2-Chloroethyl)ether
Concen: 46.73 ppb
RT: 3.519 min Scan# 400
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

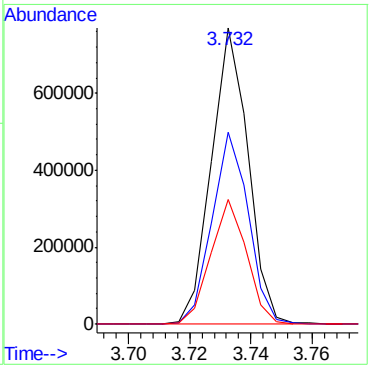


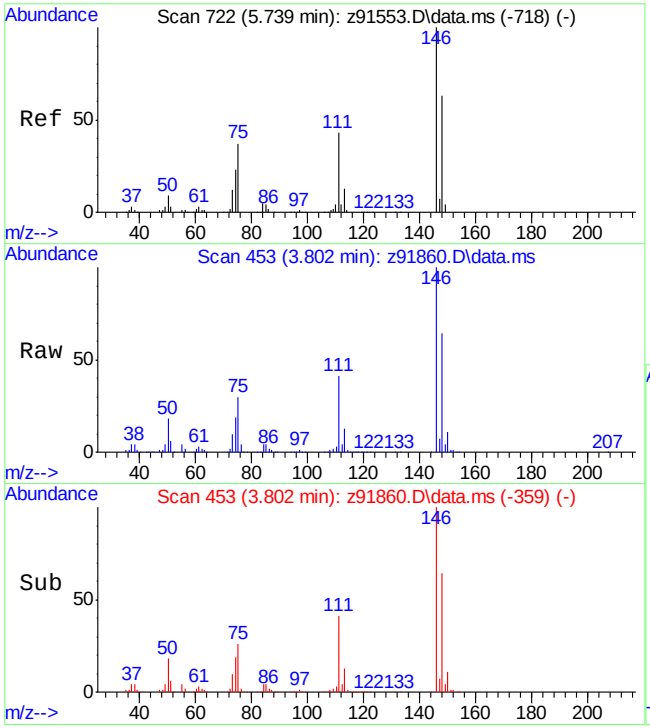


#14
1,3-Dichlorobenzene
Concen: 44.40 ppb
RT: 3.732 min Scan# 440
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

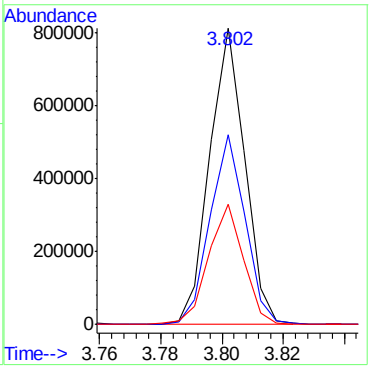


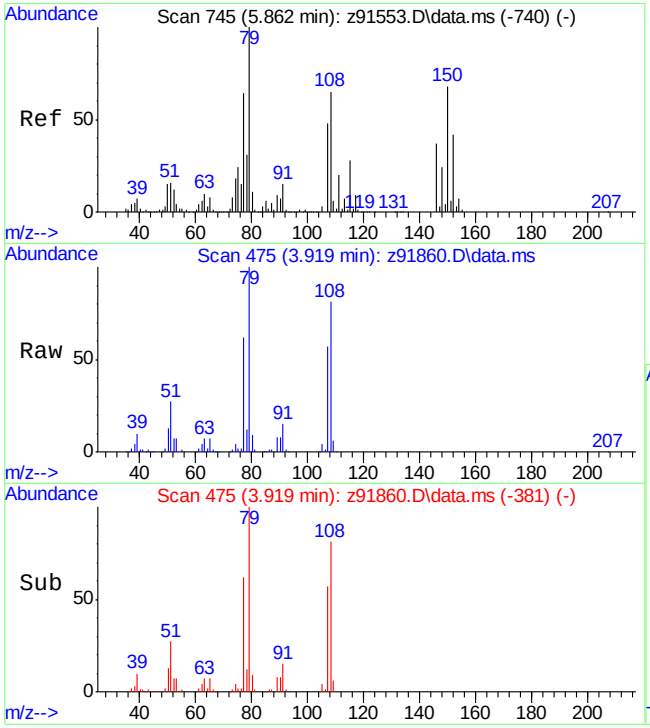


#15
1,4-Dichlorobenzene
Concen: 43.76 ppb
RT: 3.802 min Scan# 453
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

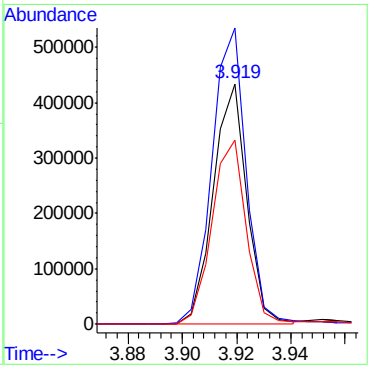


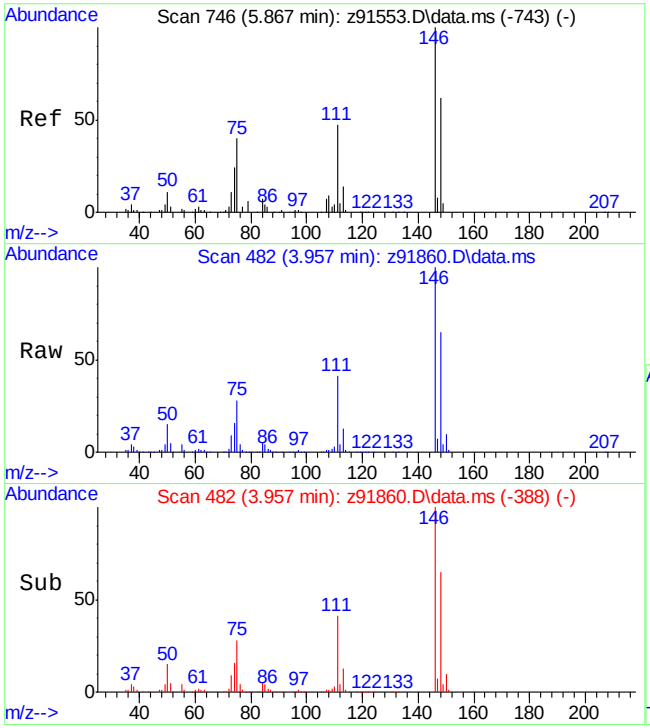


#16
Benzyl alcohol
Concen: 46.01 ppb
RT: 3.919 min Scan# 475
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

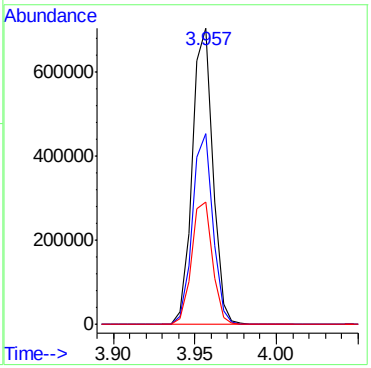


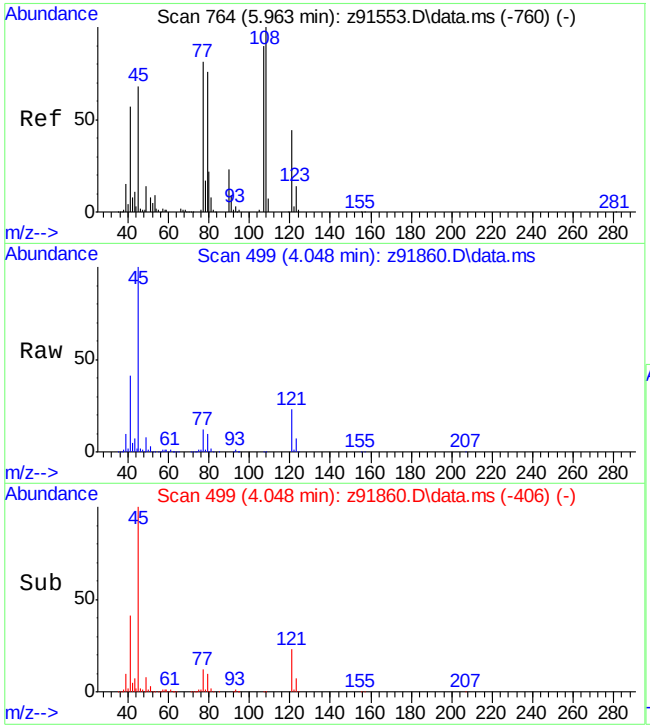


#17
1,2-Dichlorobenzene
Concen: 44.63 ppb
RT: 3.957 min Scan# 482
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

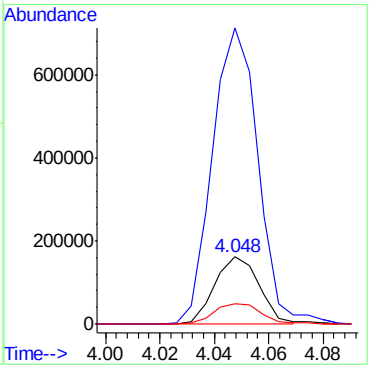


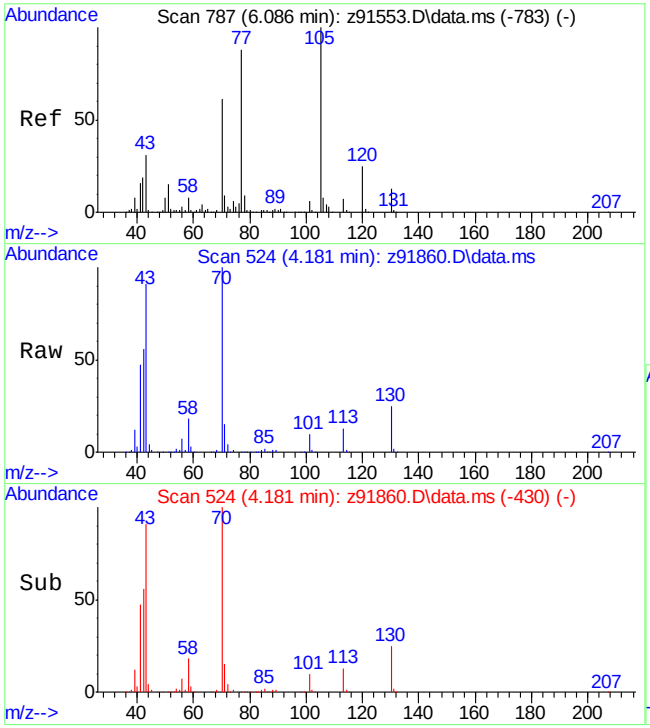


#20
2,2'-oxybis(1-Chloropropane
Concen: 47.10 ppb
RT: 4.048 min Scan# 499
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

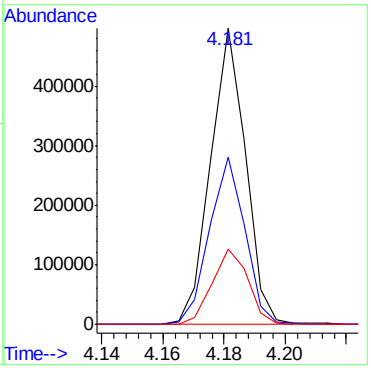


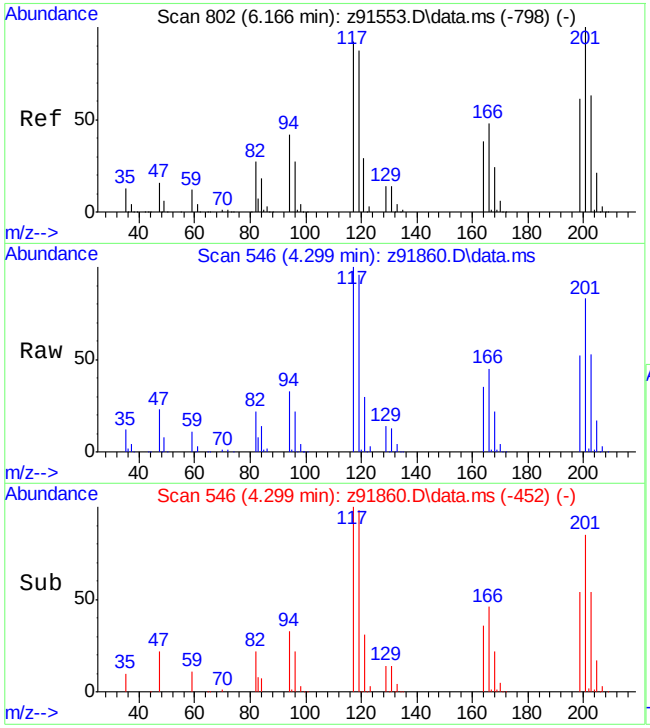


#22
n-Nitroso-di-n-propylamine
Concen: 46.29 ppb
RT: 4.181 min Scan# 524
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

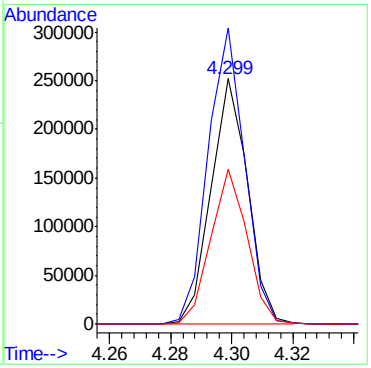


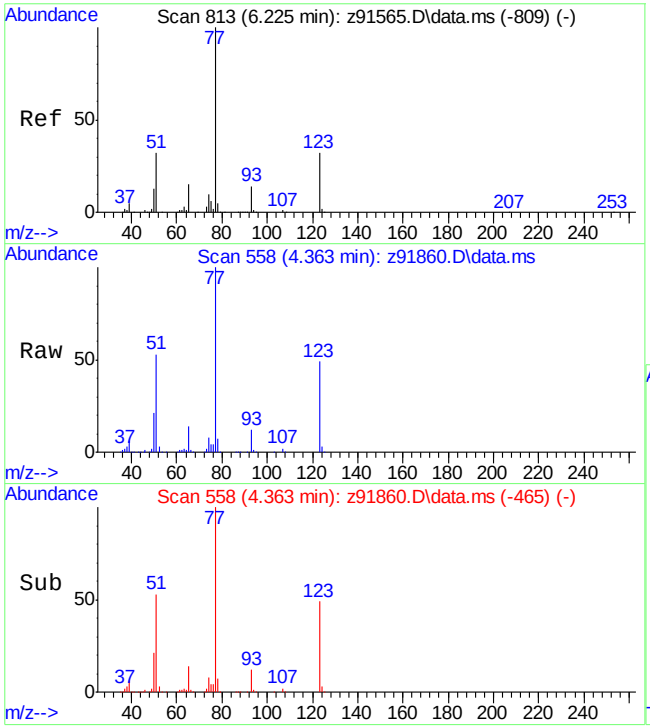


#23
Hexachloroethane
Concen: 45.83 ppb
RT: 4.299 min Scan# 546
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

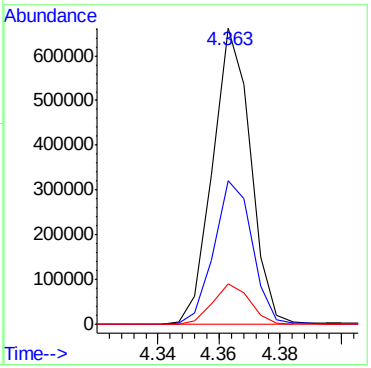


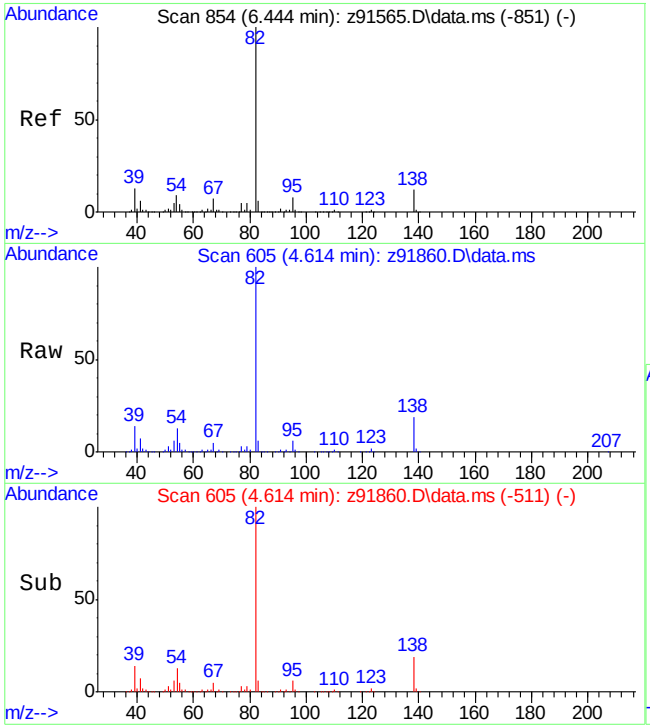


#26
Nitrobenzene
Concen: 43.05 ppb
RT: 4.363 min Scan# 558
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

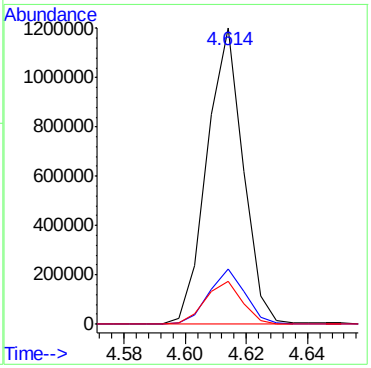


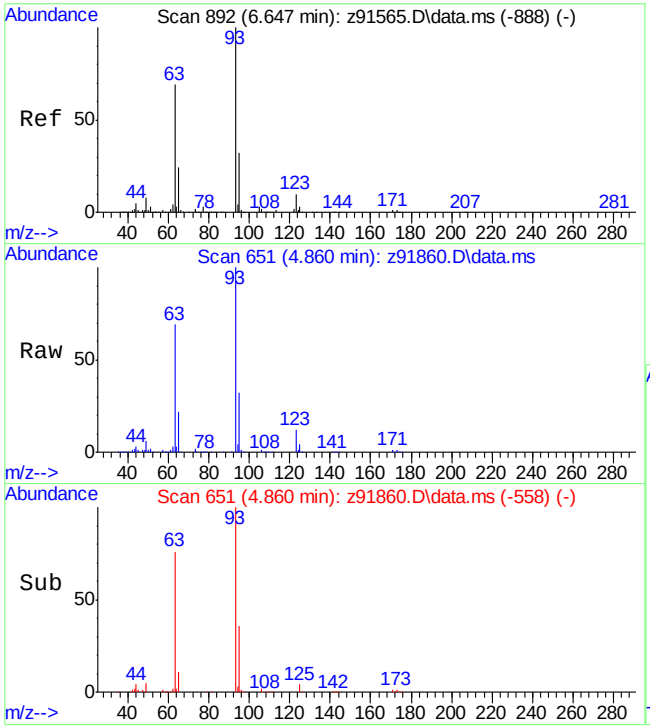


#28
Isophorone
Concen: 44.97 ppb
RT: 4.614 min Scan# 605
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

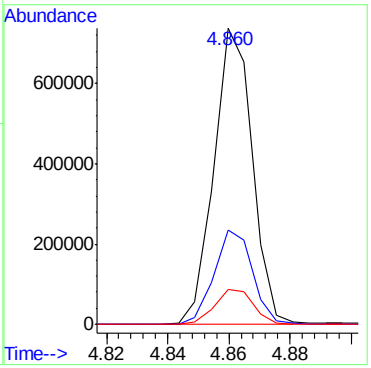


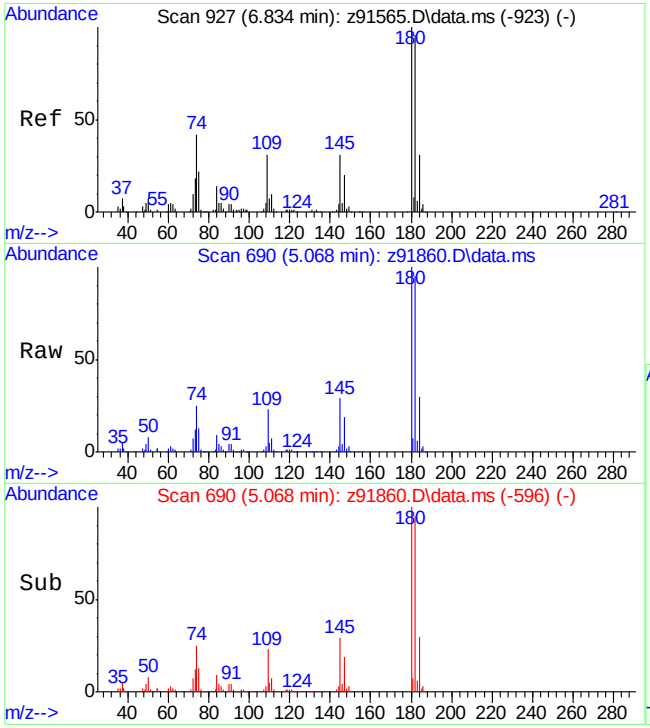


#32
bis(2-Chloroethoxy)methane
Concen: 48.56 ppb
RT: 4.860 min Scan# 651
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

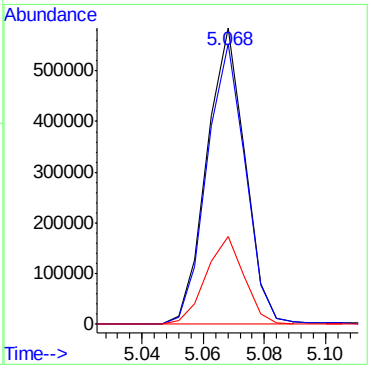


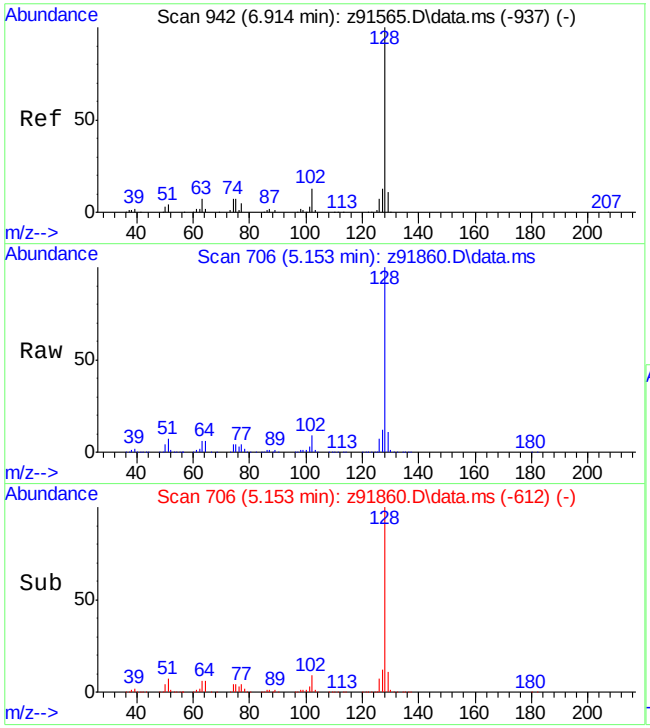


#36
1,2,4-Trichlorobenzene
Concen: 44.86 ppb
RT: 5.068 min Scan# 690
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

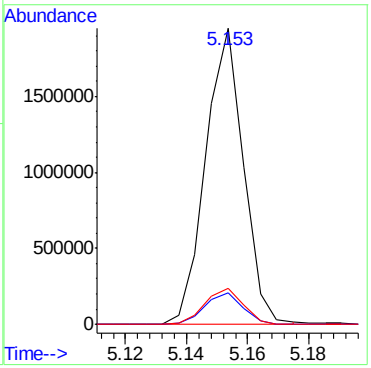


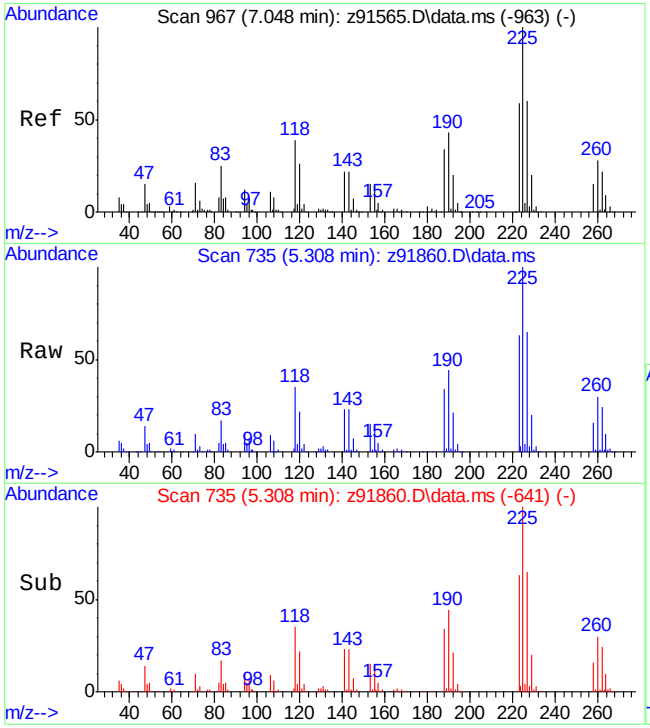


#38
Naphthalene
Concen: 43.88 ppb
RT: 5.153 min Scan# 706
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

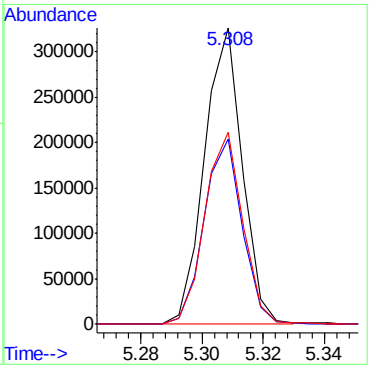


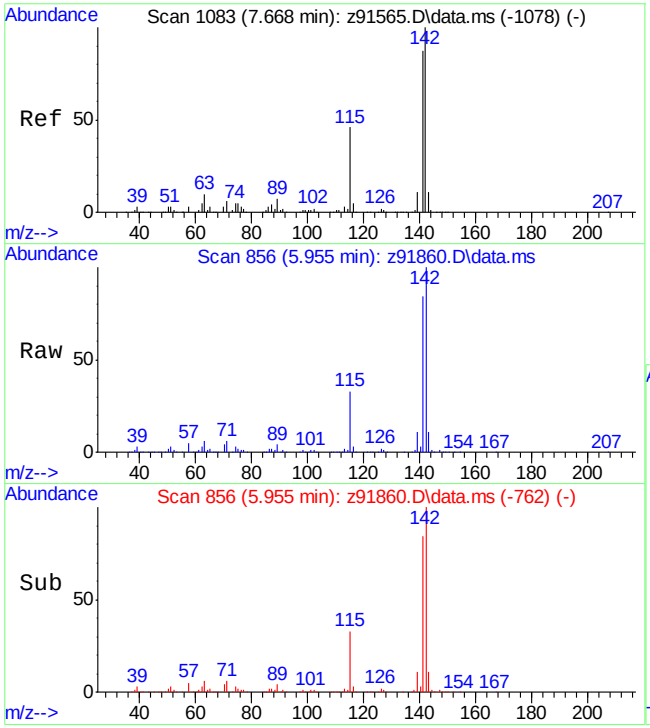


#42
Hexachlorobutadiene
Concen: 45.61 ppb
RT: 5.308 min Scan# 735
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

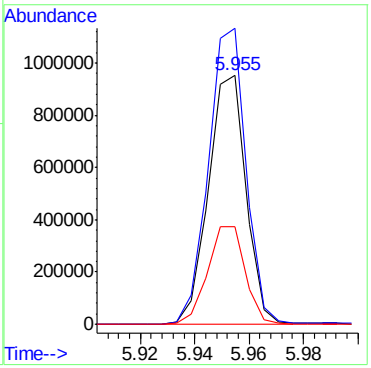


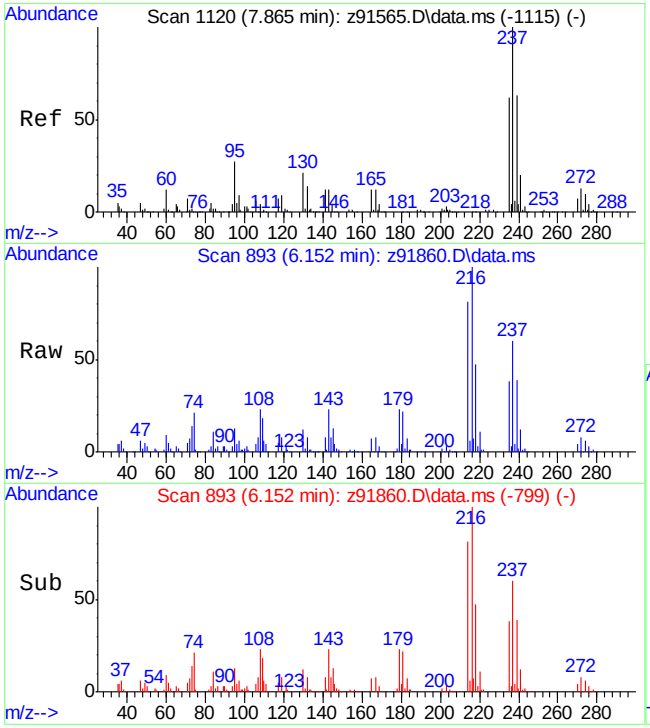


#44
2-Methylnaphthalene
Concen: 44.53 ppb
RT: 5.955 min Scan# 856
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

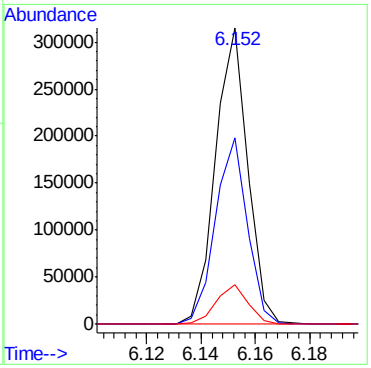


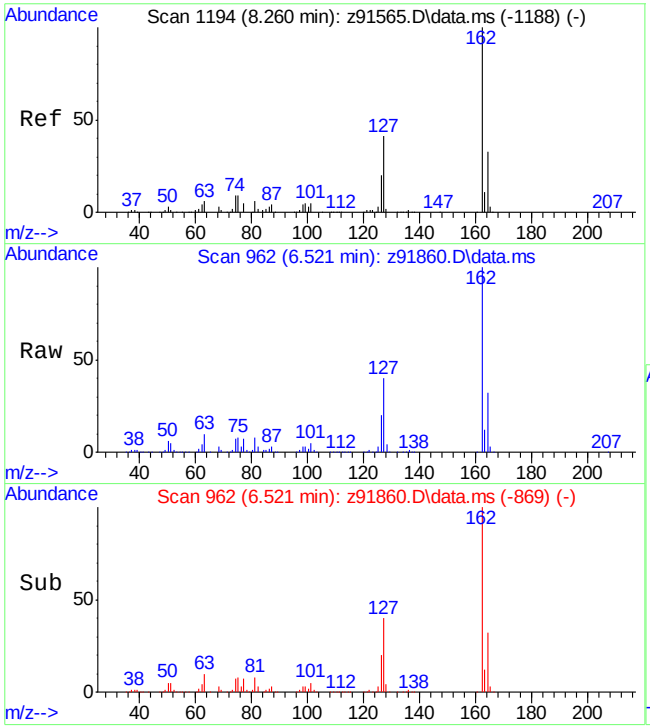


#48
Hexachlorocyclopentadiene
Concen: 44.33 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

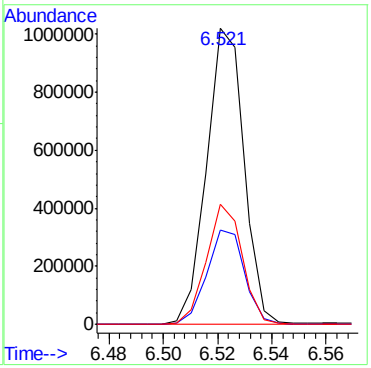


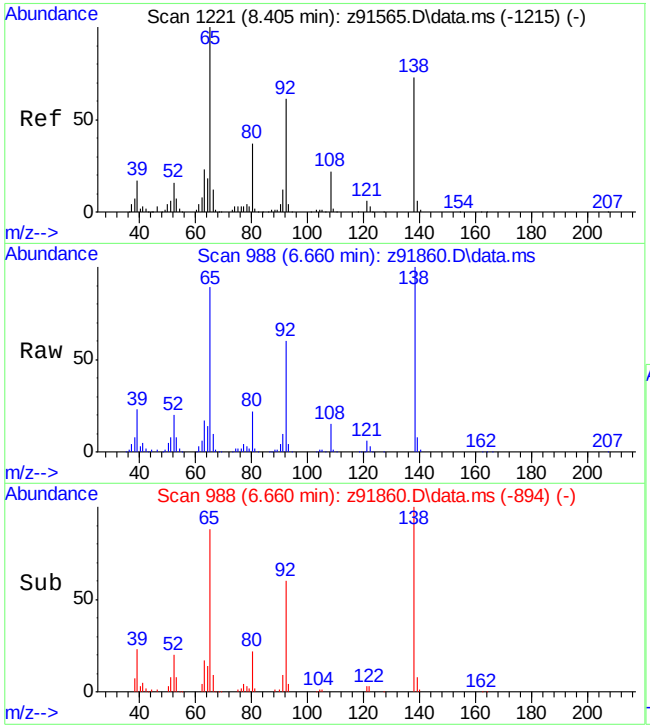


#52
2-Chloronaphthalene
Concen: 44.32 ppb
RT: 6.521 min Scan# 962
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

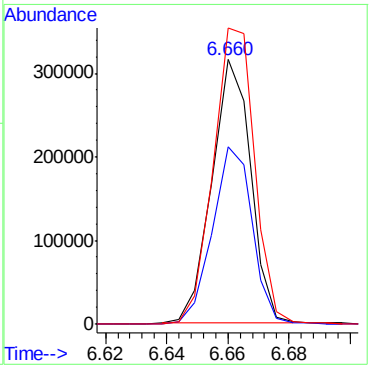


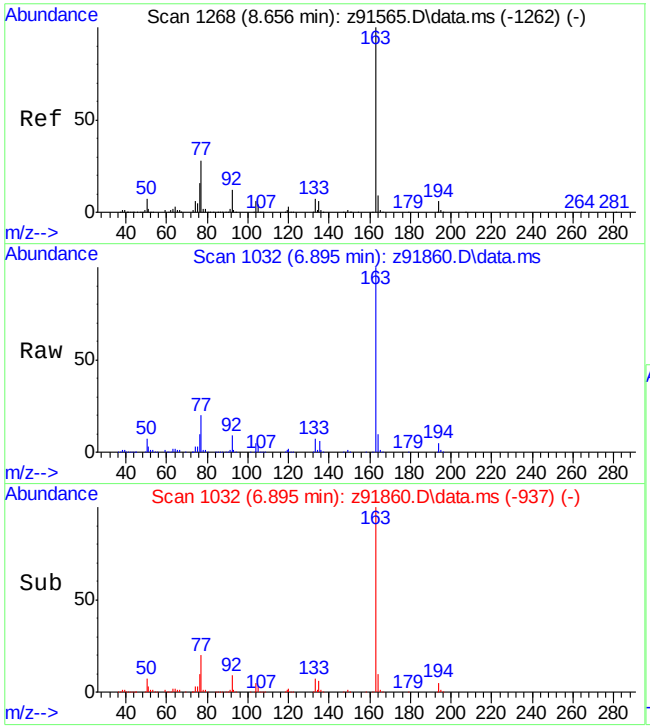


#54
2-Nitroaniline
Concen: 46.48 ppb
RT: 6.660 min Scan# 988
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

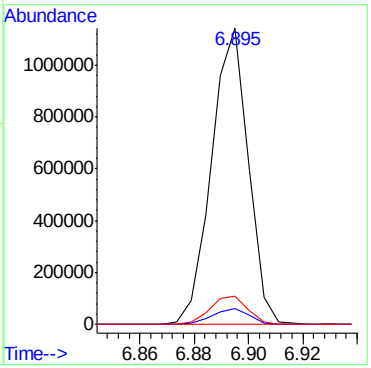


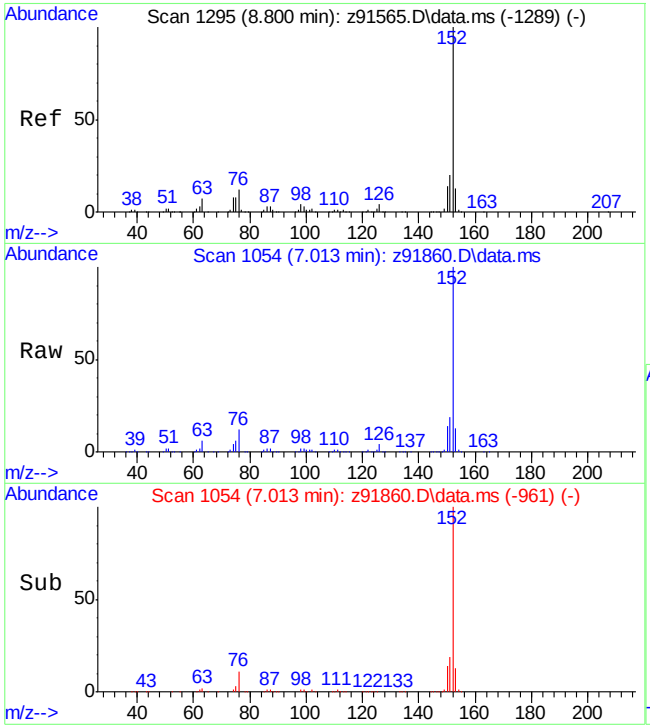


#55
Dimethylphthalate
Concen: 45.62 ppb
RT: 6.895 min Scan# 1032
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

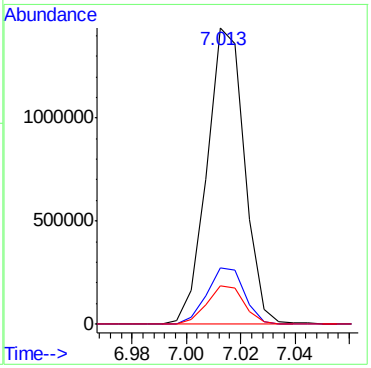


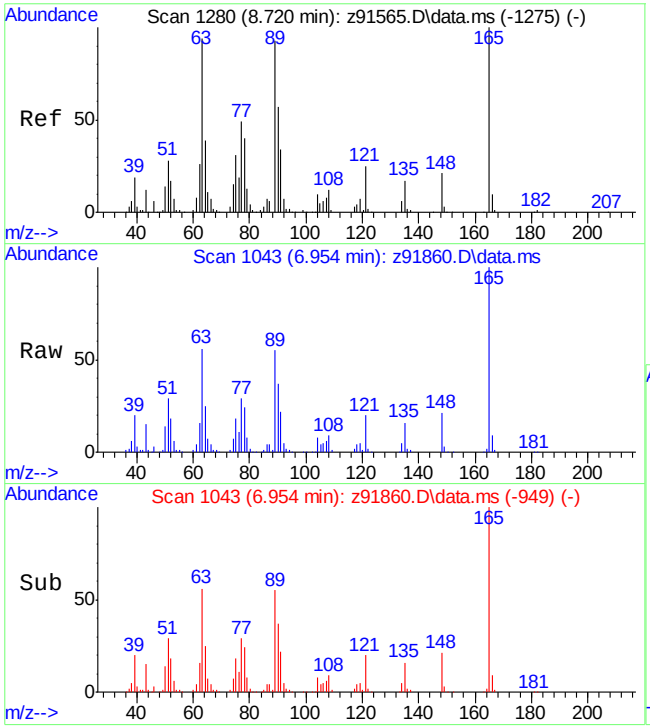


#56
Acenaphthylene
Concen: 39.72 ppb
RT: 7.013 min Scan# 1054
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

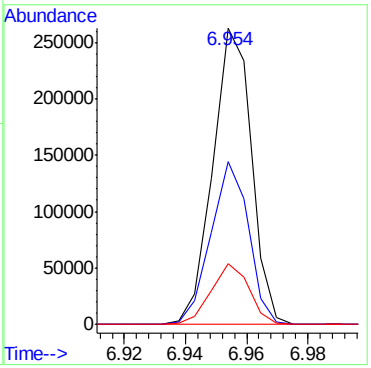


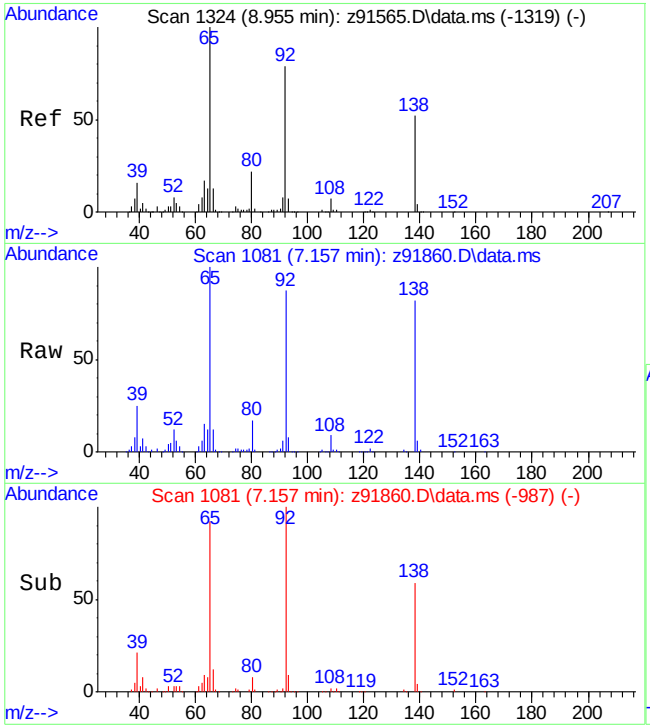


#57
2,6-Dinitrotoluene
Concen: 48.21 ppb
RT: 6.954 min Scan# 1043
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

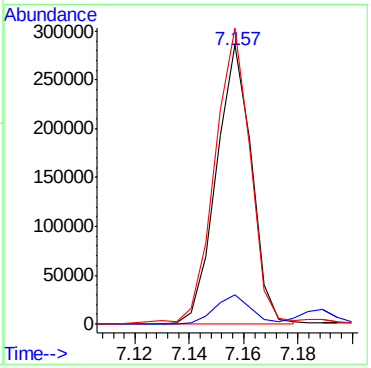


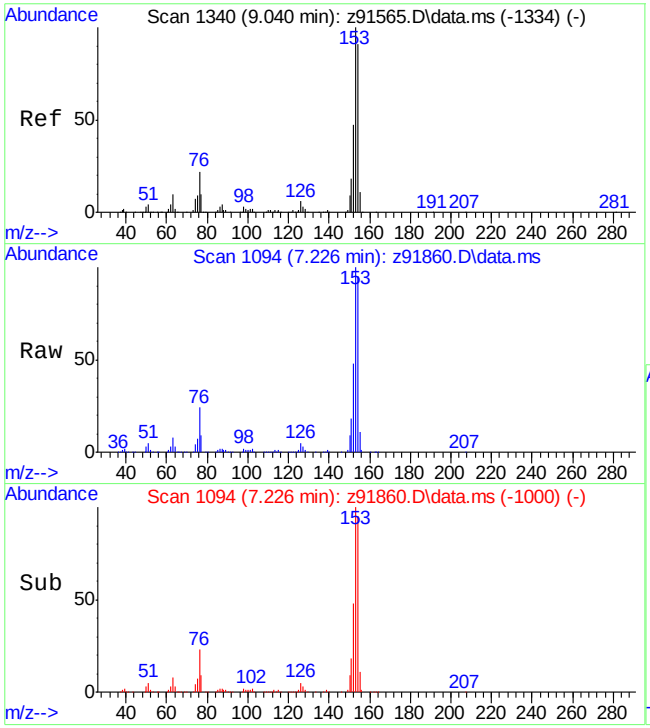


#58
3-Nitroaniline
Concen: 42.22 ppb
RT: 7.157 min Scan# 1081
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

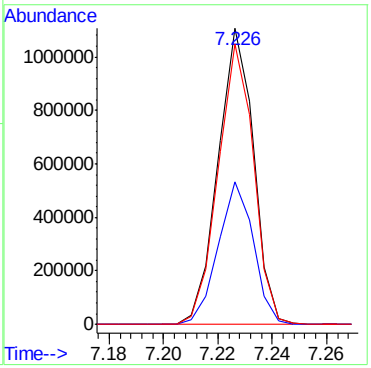


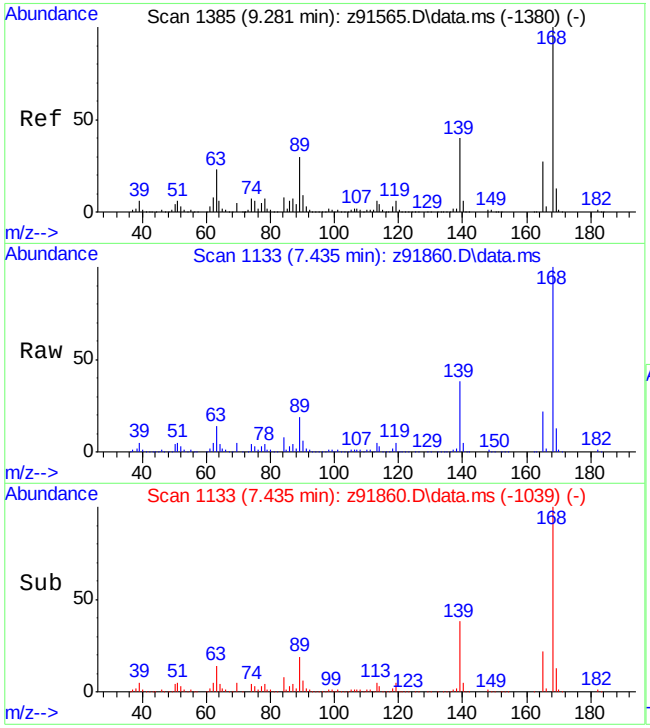


#59
Acenaphthene
Concen: 45.95 ppb
RT: 7.226 min Scan# 1094
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

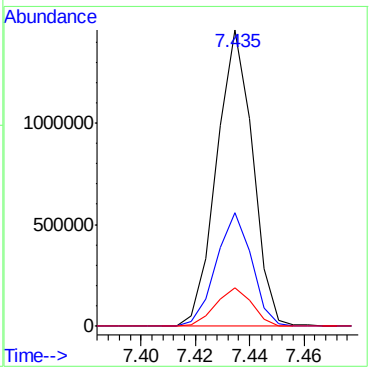


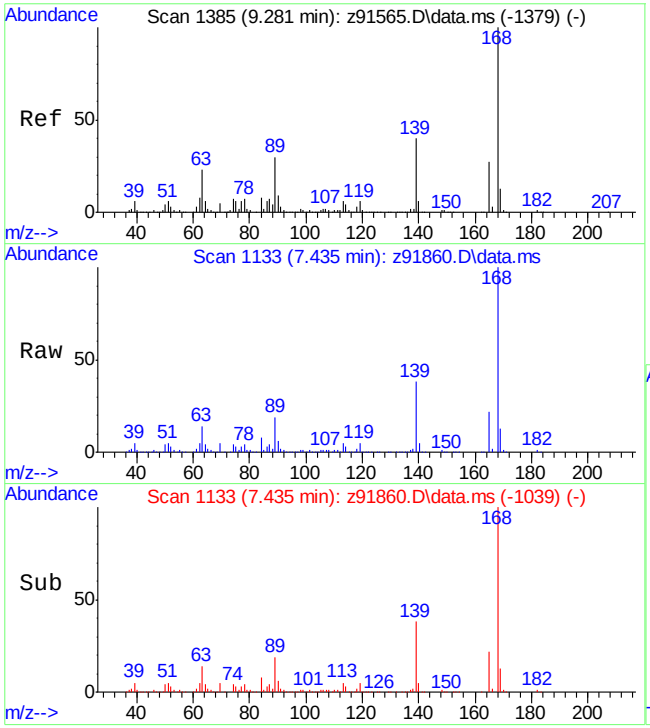


#62
Dibenzofuran
Concen: 44.21 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

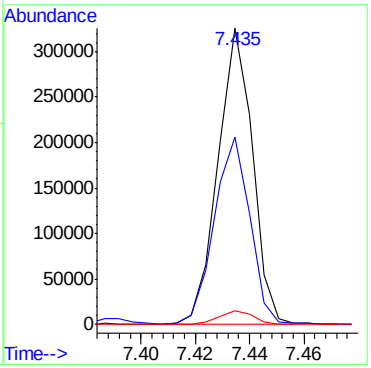


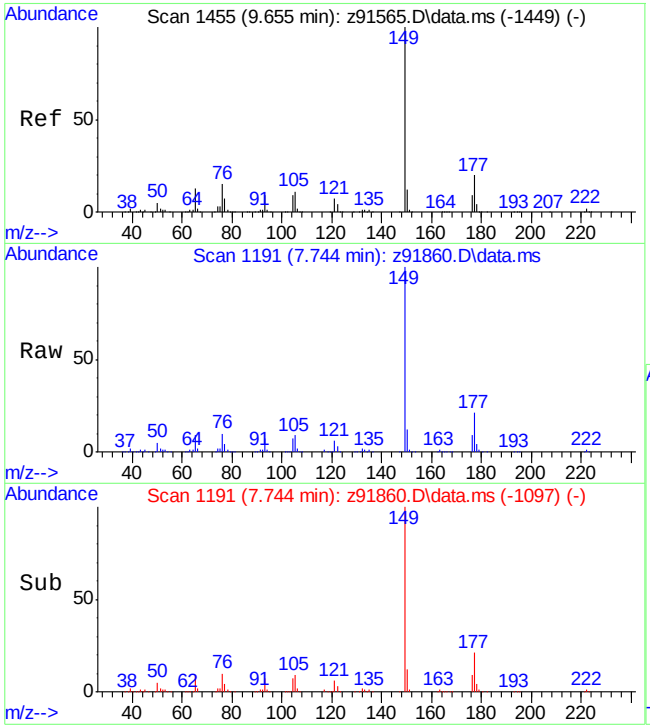


#63
2,4-Dinitrotoluene
Concen: 44.00 ppb
RT: 7.435 min Scan# 1133
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

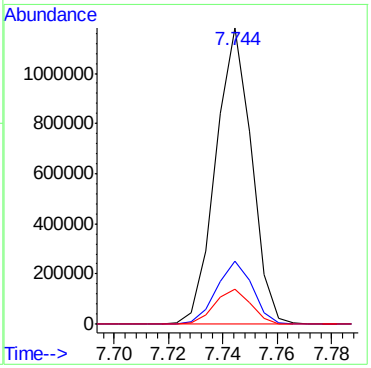


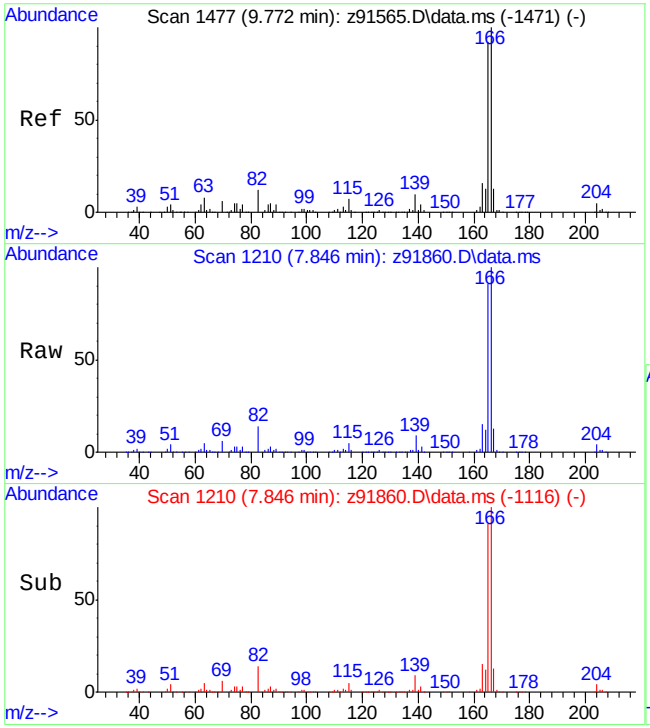


#65
Diethylphthalate
Concen: 47.19 ppb
RT: 7.744 min Scan# 1191
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

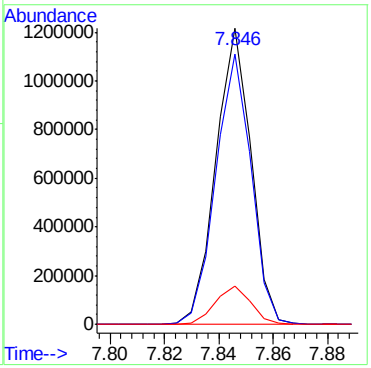


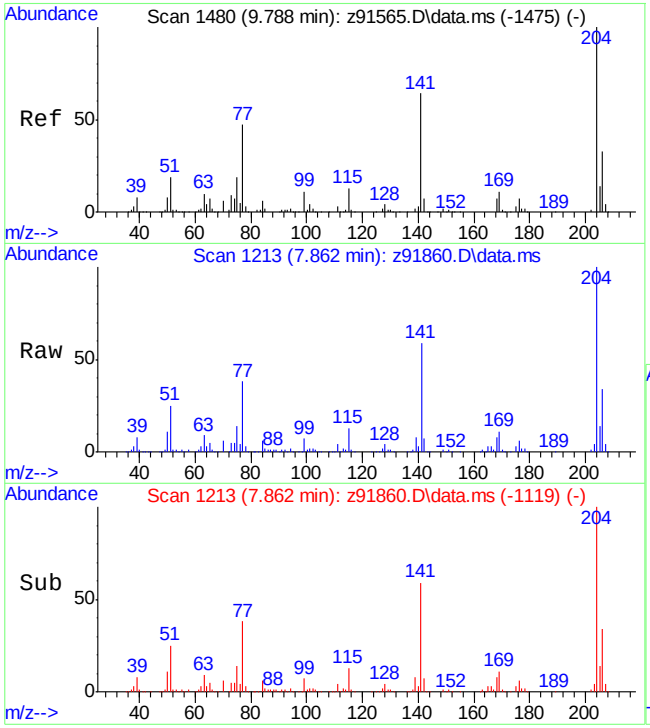


#66
Fluorene
Concen: 46.06 ppb
RT: 7.846 min Scan# 1210
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

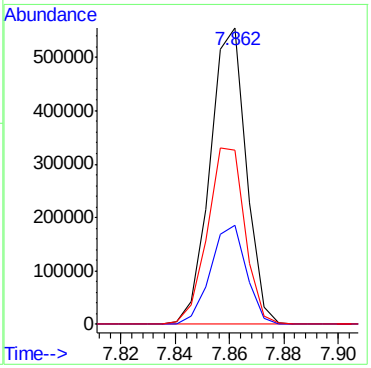


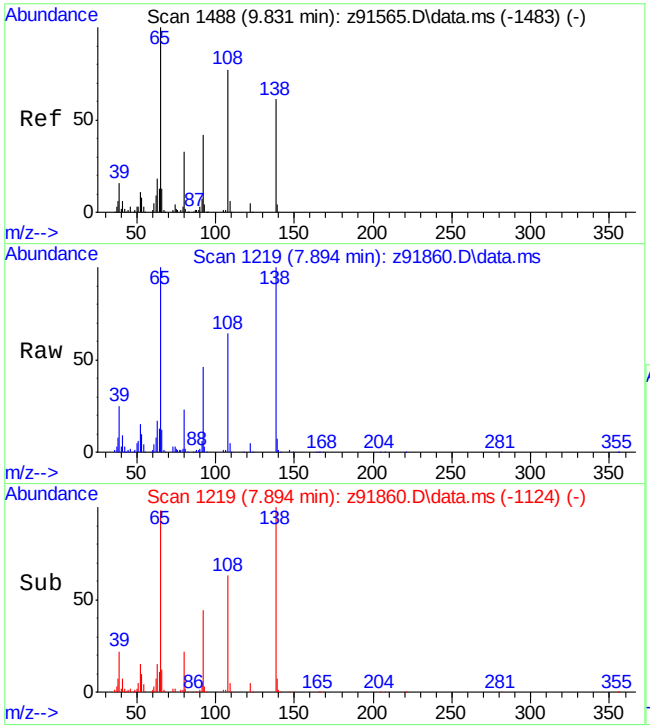


#67
4-Chlorophenyl-phenylether
Concen: 46.23 ppb
RT: 7.862 min Scan# 1213
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

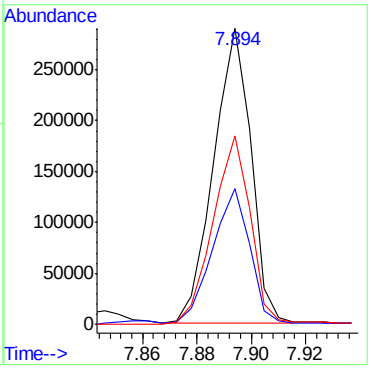


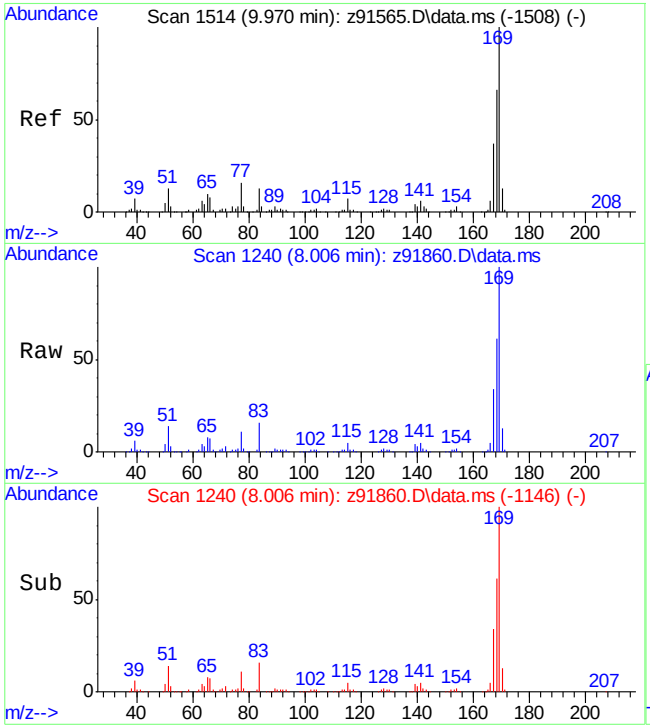


#68
4-Nitroaniline
Concen: 45.45 ppb
RT: 7.894 min Scan# 1219
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

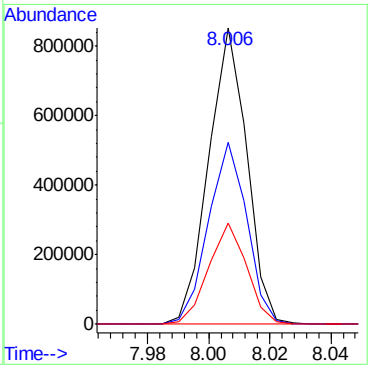


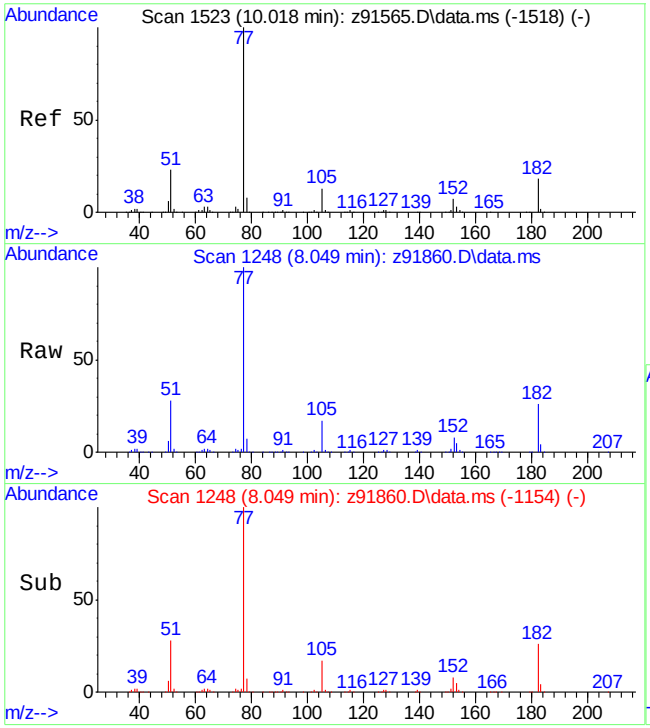


#71
n-Nitrosodiphenylamine
Concen: 48.46 ppb
RT: 8.006 min Scan# 1240
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

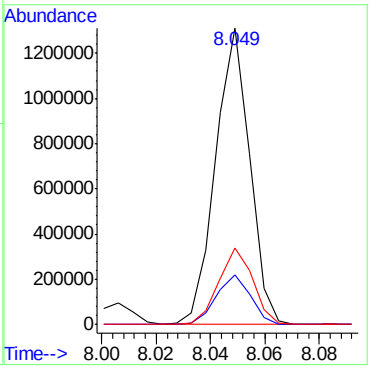


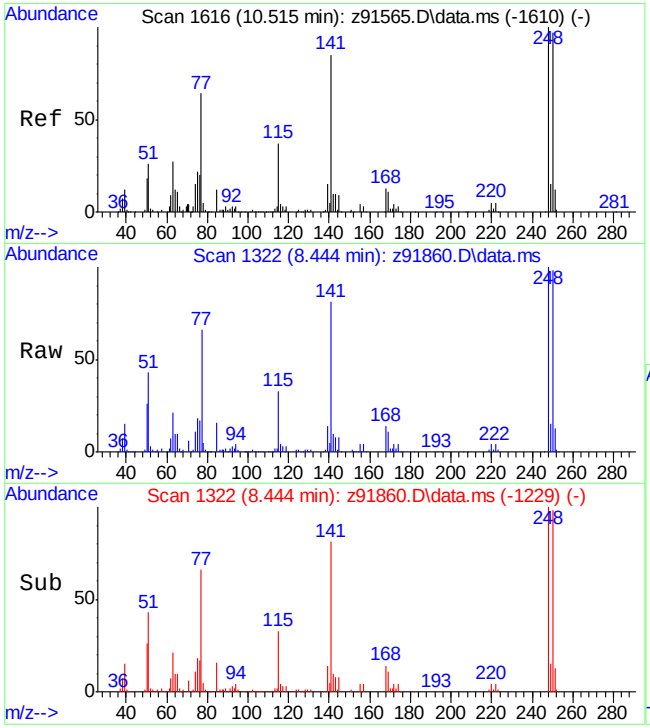


#72
1,2-Diphenylhydrazine
Concen: 48.20 ppb
RT: 8.049 min Scan# 1248
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

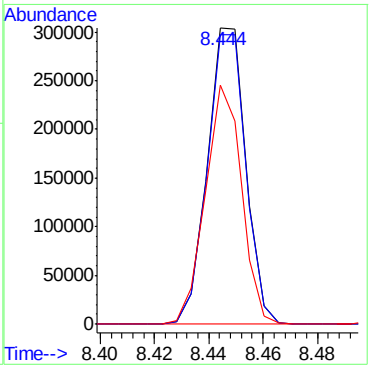


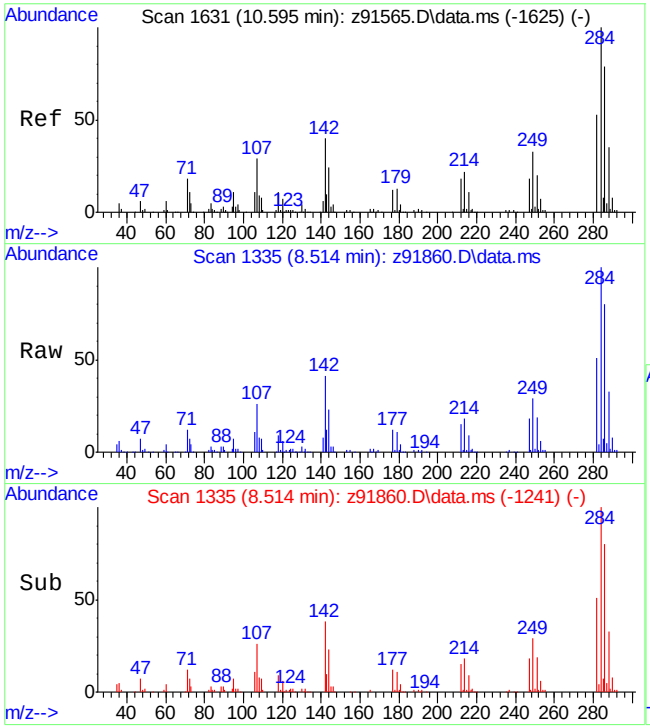


#74
4-Bromophenyl-phenylether
Concen: 48.44 ppb
RT: 8.444 min Scan# 1322
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

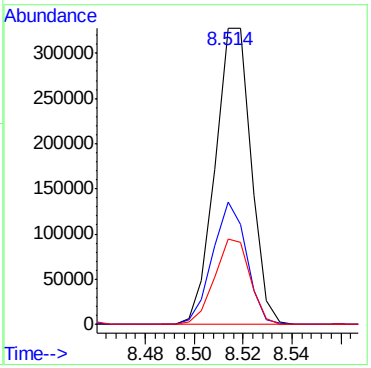


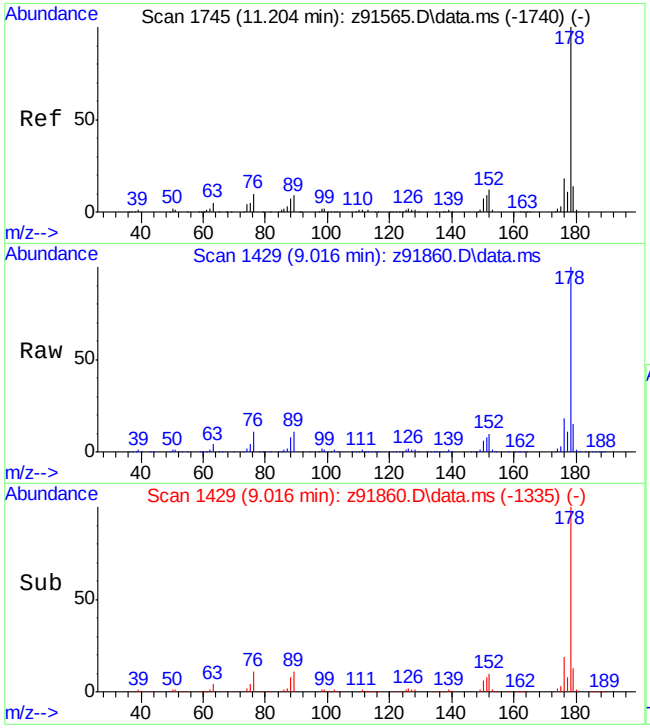


#75
Hexachlorobenzene
Concen: 46.00 ppb
RT: 8.514 min Scan# 1335
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

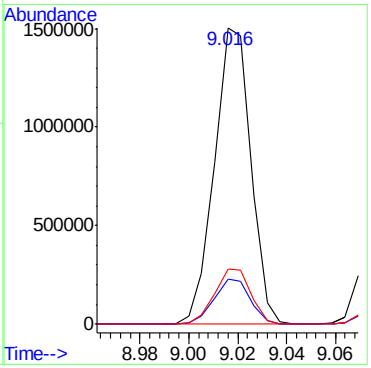


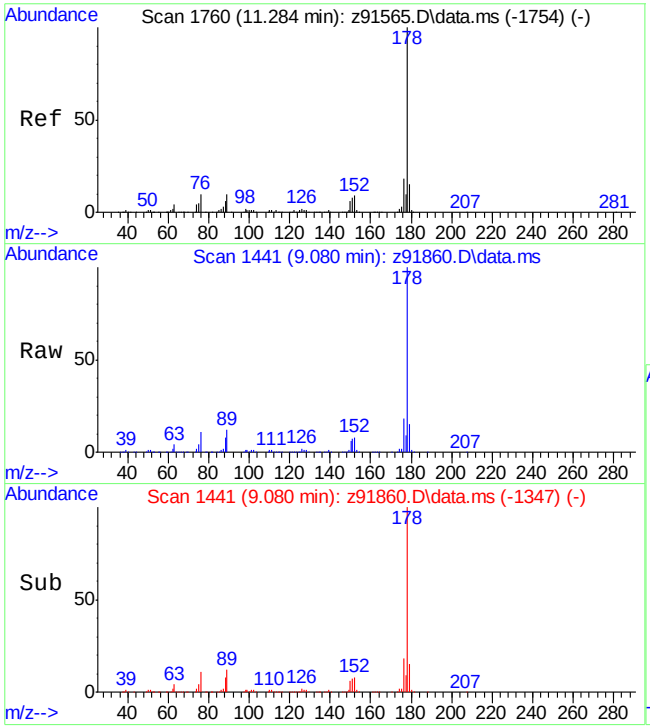


#77
Phenanthrene
Concen: 44.66 ppb
RT: 9.016 min Scan# 1429
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

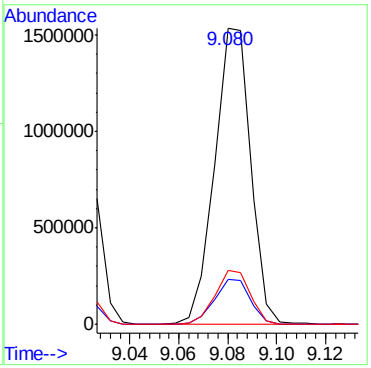


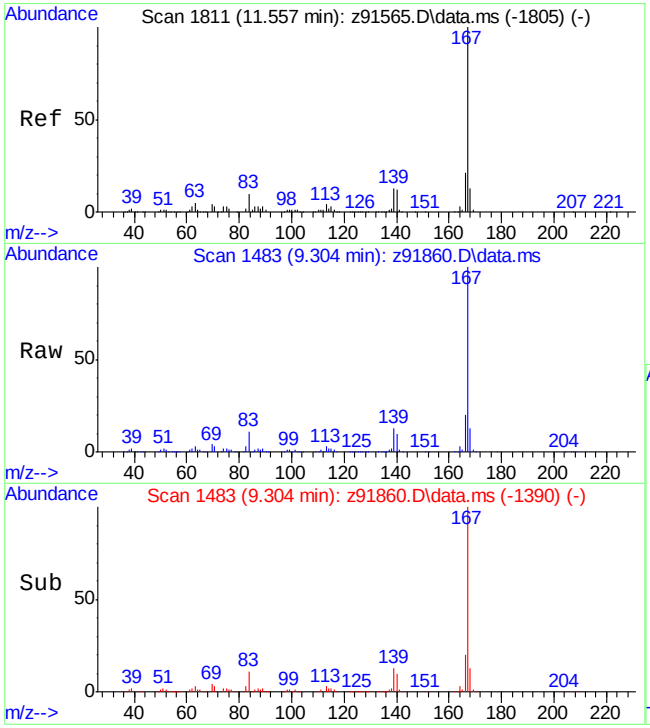


#78
Anthracene
Concen: 46.66 ppb
RT: 9.080 min Scan# 1441
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

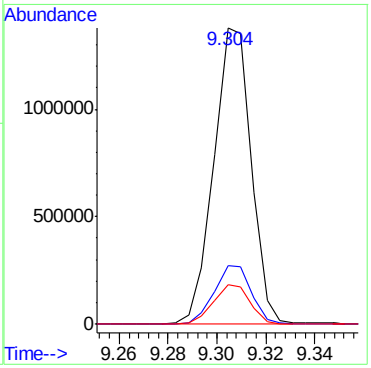


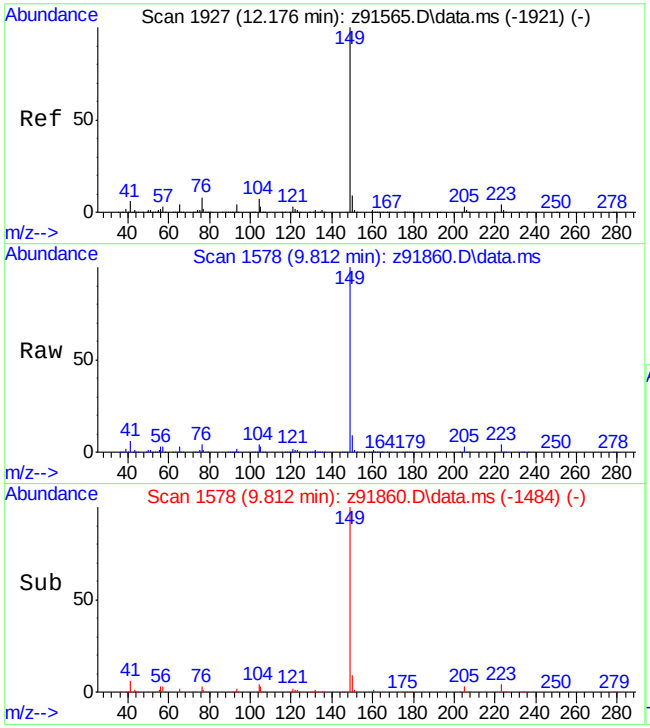


#79
Carbazole
Concen: 41.76 ppb
RT: 9.304 min Scan# 1483
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

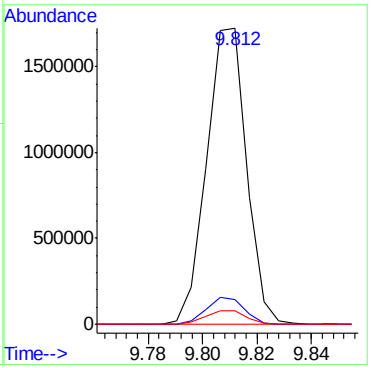


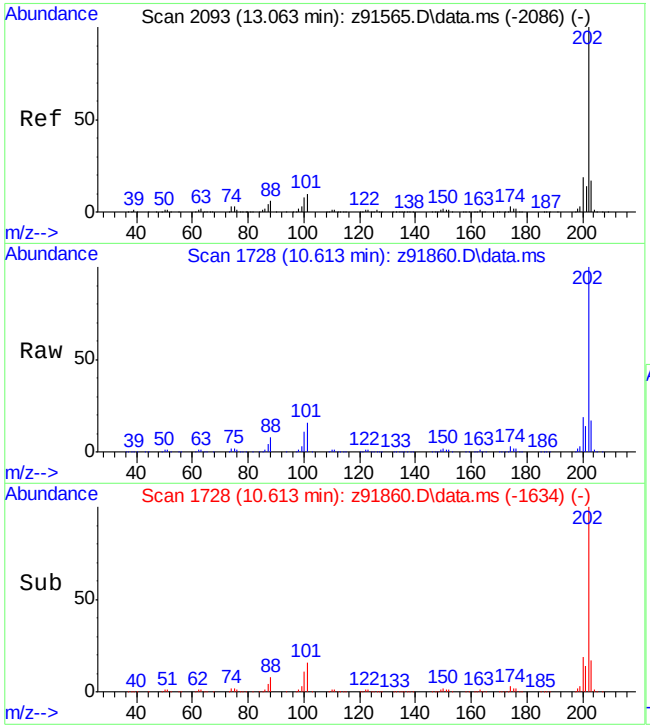


#80
Di-n-butylphthalate
Concen: 50.88 ppb
RT: 9.812 min Scan# 1578
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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

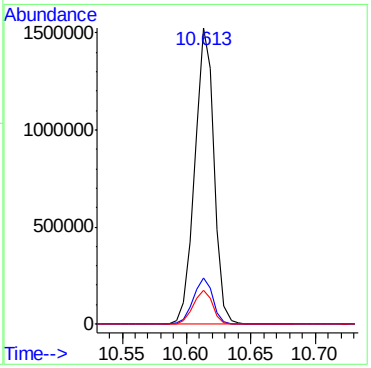




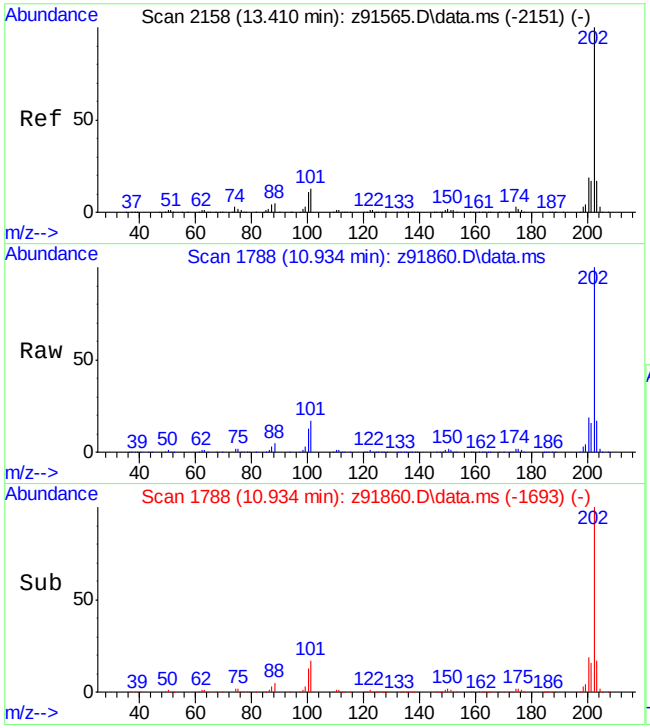
#81
Fluoranthene
Concen: 47.32 ppb
RT: 10.613 min Scan# 1728
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

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



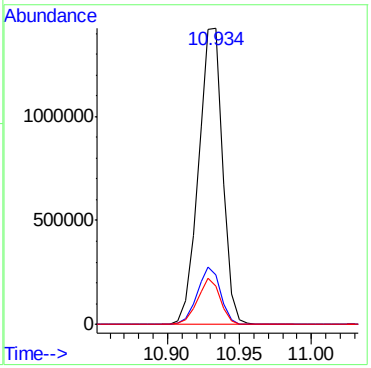
ACCUTEST LABORATORIES
JB67976

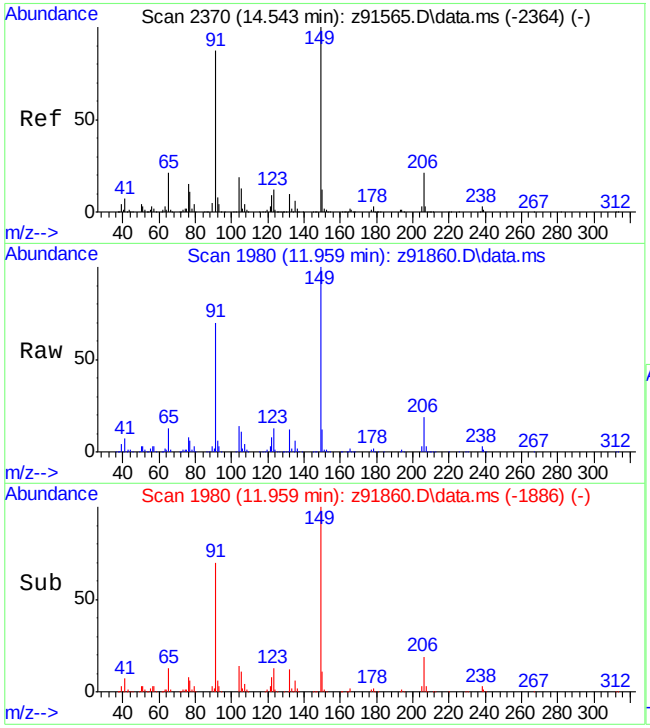


#84
Pyrene
Concen: 48.07 ppb
RT: 10.934 min Scan# 1788
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:202 Resp: 1670566

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	48.4
100	13.0	0.0	44.6

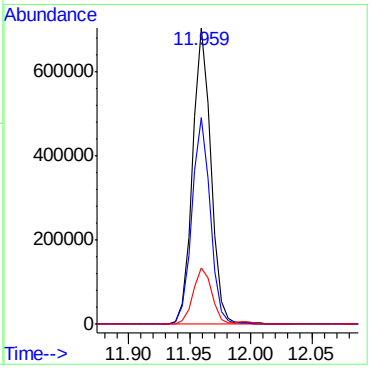


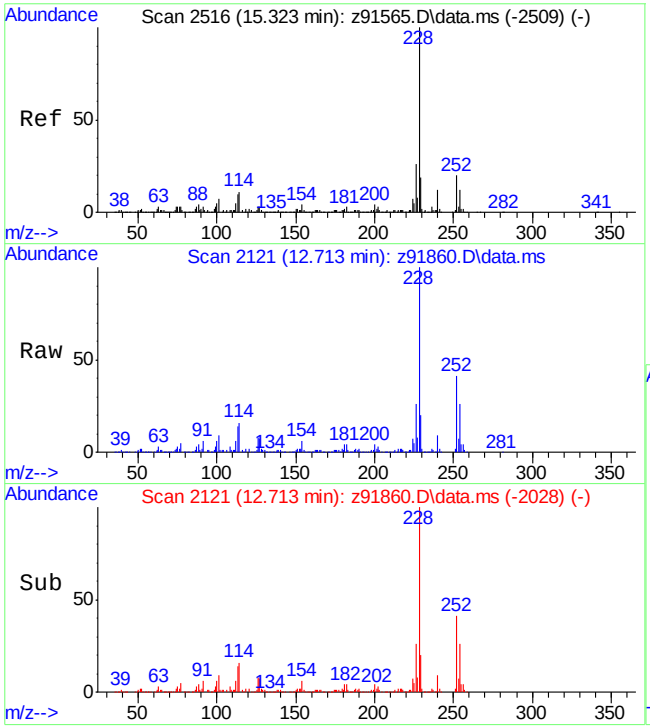


#87
Butylbenzylphthalate
Concen: 52.20 ppb
RT: 11.959 min Scan# 1980
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 731635

Ion	Ratio	Lower	Upper
149	100		
91	69.8	38.7	98.7
206	19.0	0.0	49.5

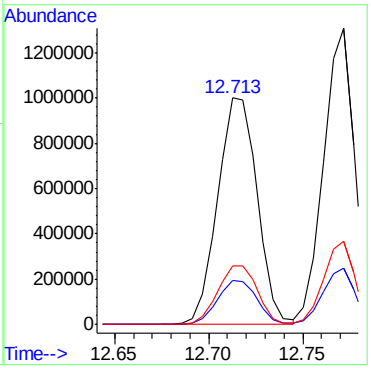


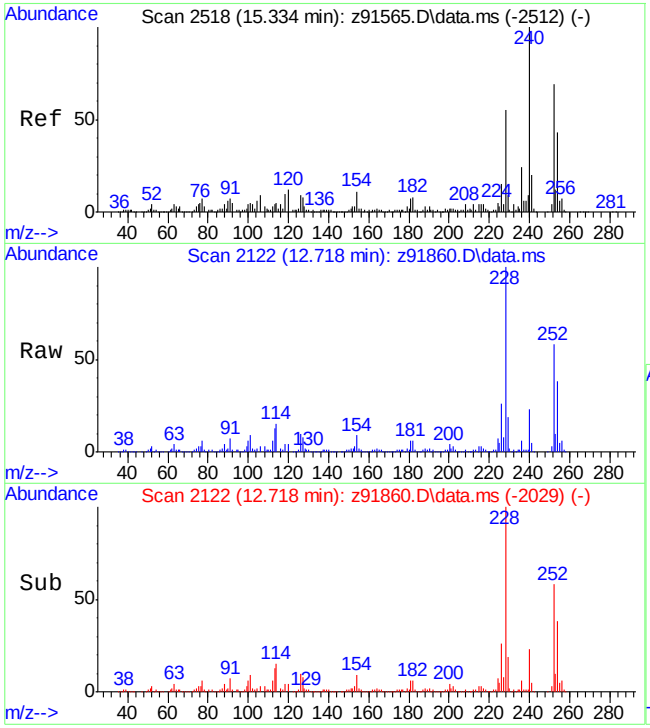


#88
Benzo[a]anthracene
Concen: 46.48 ppb
RT: 12.713 min Scan# 2121
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:228 Resp: 1456967

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	49.3
226	25.8	0.0	55.6

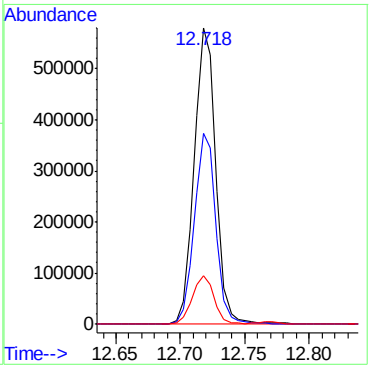


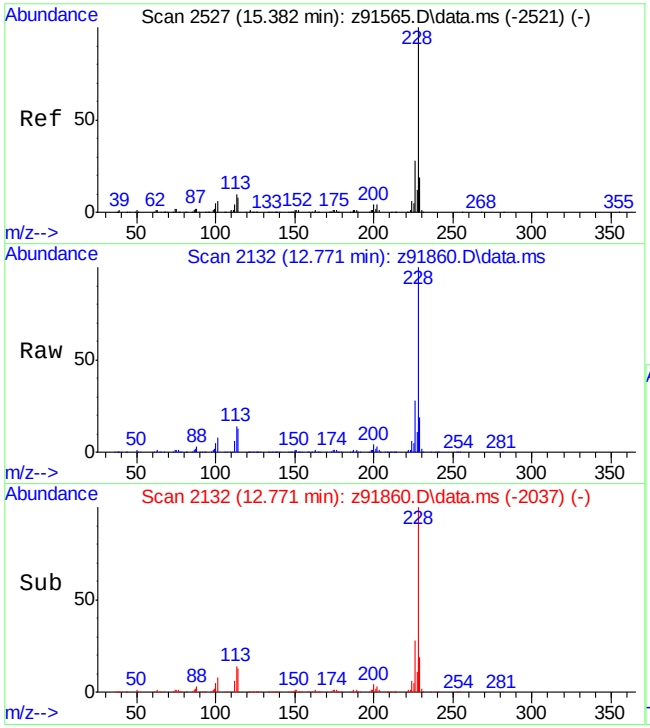


#89
3,3'-Dichlorobenzidine
Concen: 66.53 ppb
RT: 12.718 min Scan# 2122
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 685540

Ion	Ratio	Lower	Upper
252	100		
254	64.4	33.8	93.8
126	16.5	0.0	46.0

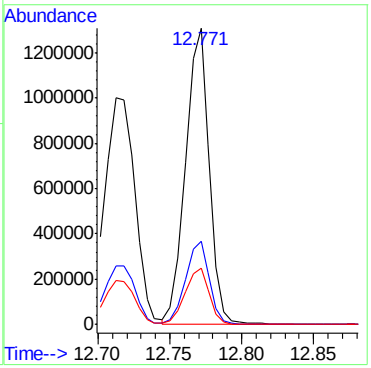


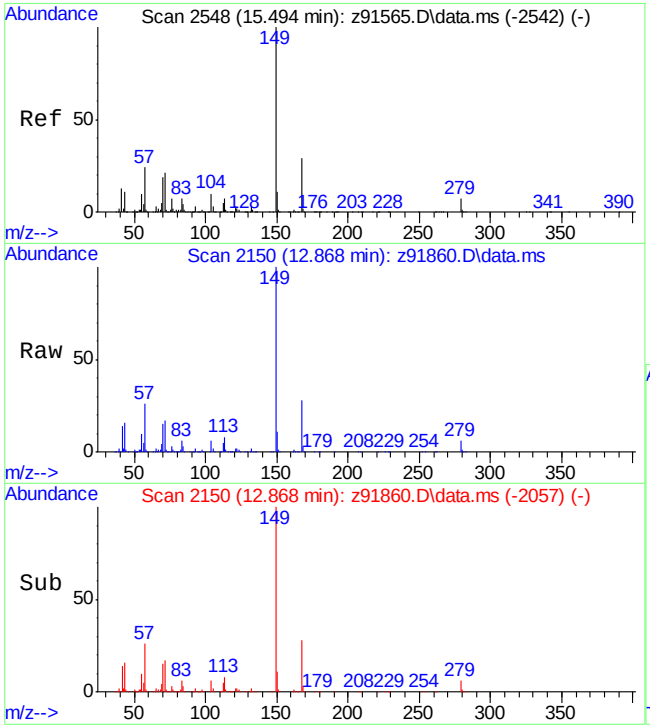


#90
Chrysene
Concen: 48.34 ppb
RT: 12.771 min Scan# 2132
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:228 Resp: 1504371

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	58.5
229	18.9	0.0	49.0

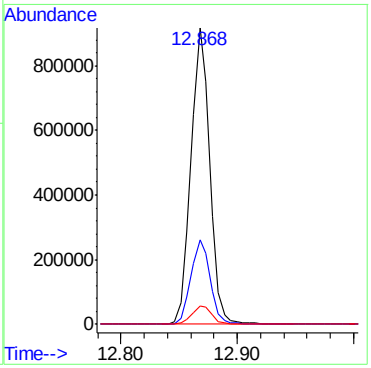


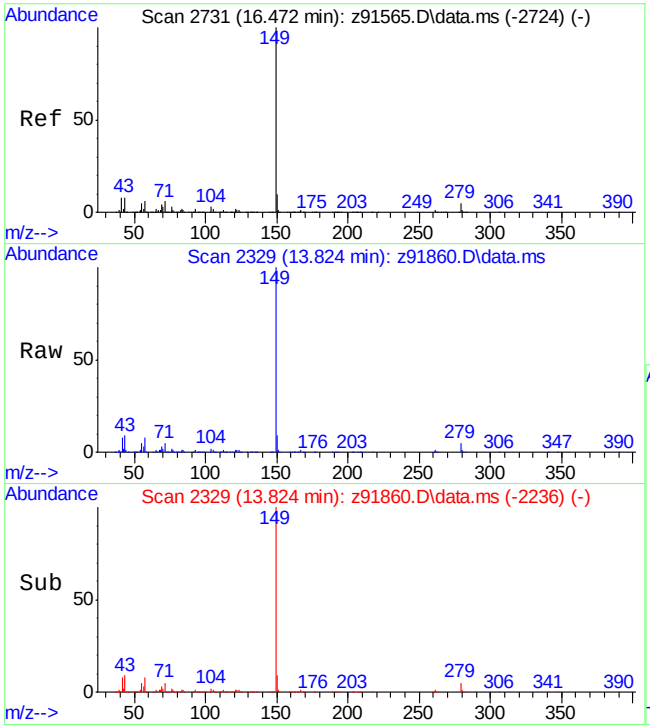


#91
bis(2-Ethylhexyl)phthalate
Concen: 53.48 ppb
RT: 12.868 min Scan# 2150
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1018064

Ion	Ratio	Lower	Upper
149	100		
167	28.4	0.0	58.7
279	6.2	0.0	36.2

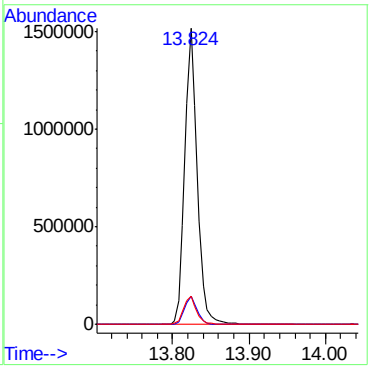


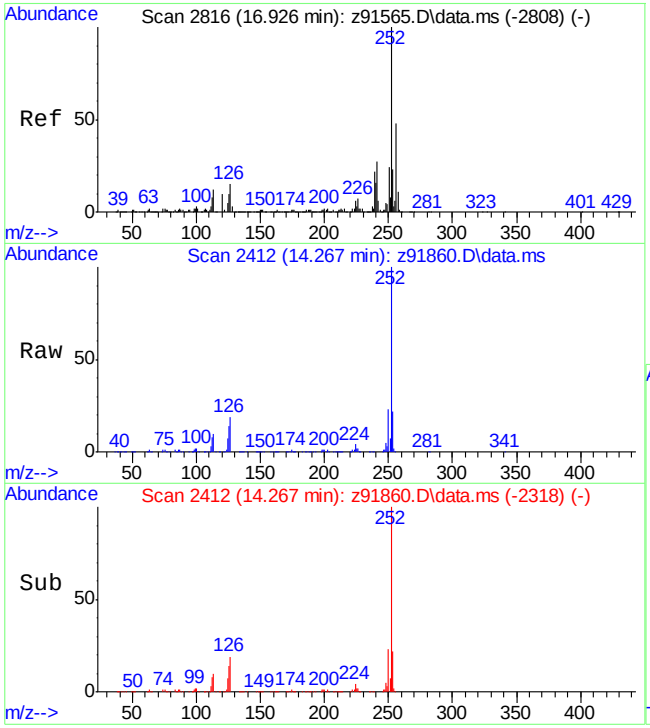


#93
Di-n-octylphthalate
Concen: 48.95 ppb
RT: 13.824 min Scan# 2329
Delta R.T. -0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:149 Resp: 1711925

Ion	Ratio	Lower	Upper
149	100		
150	9.4	0.0	39.4
43	9.4	0.0	39.1

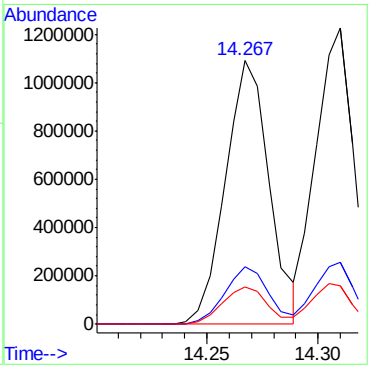


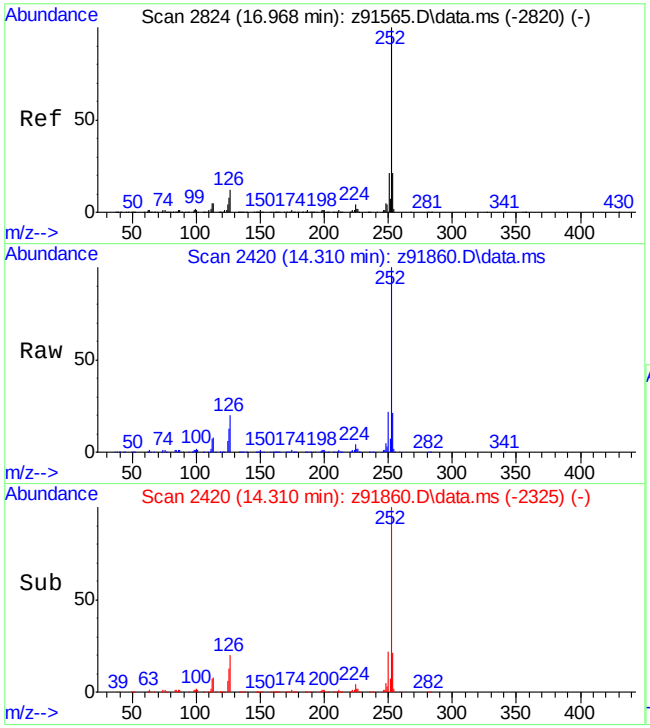


#94
Benzo[b]fluoranthene
Concen: 47.55 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1490447

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	54.0
125	14.0	0.0	47.1

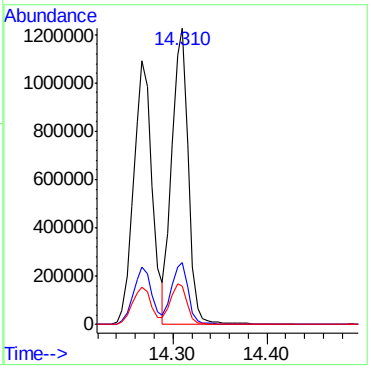


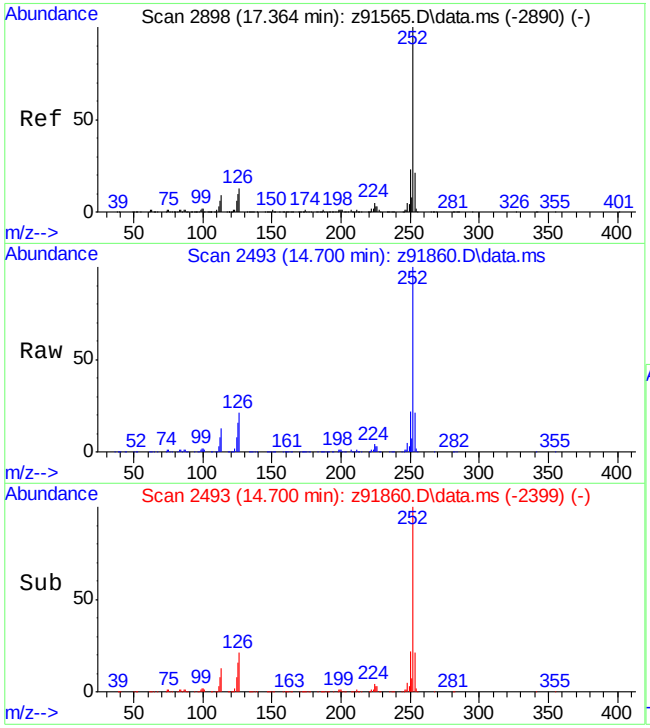


#95
Benzo[k]fluoranthene
Concen: 45.40 ppb
RT: 14.310 min Scan# 2420
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1469644

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.2
125	12.7	0.0	45.0

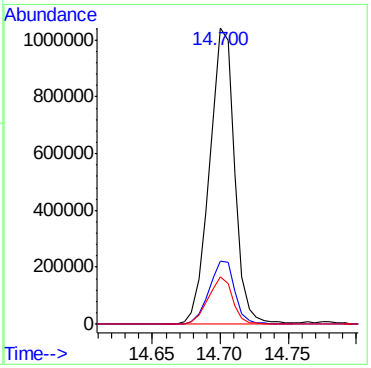


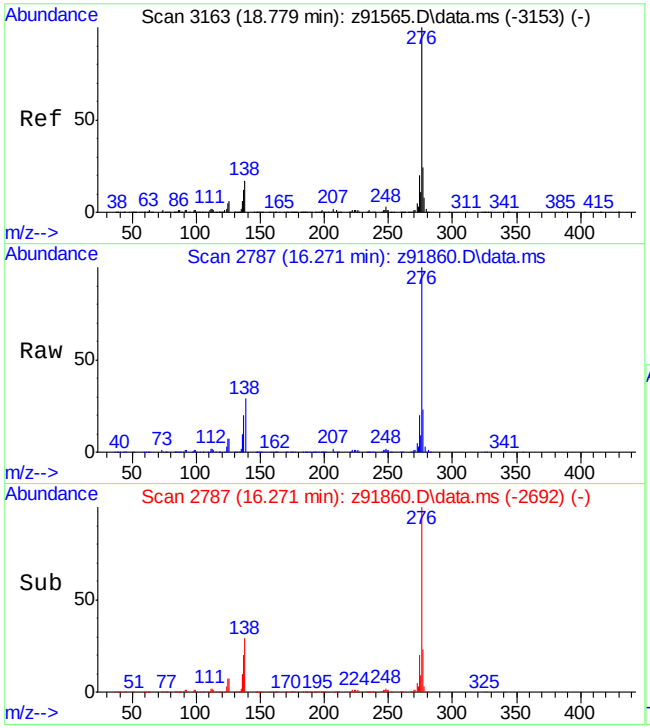


#96
Benzo[a]pyrene
Concen: 48.12 ppb
RT: 14.700 min Scan# 2493
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:252 Resp: 1339666

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.6
125	15.9	0.0	47.1

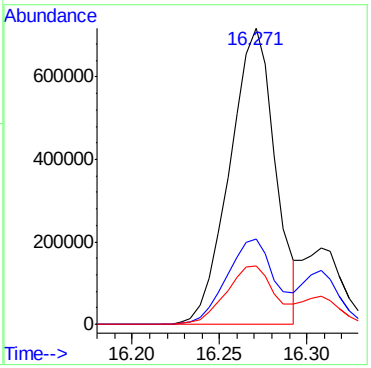


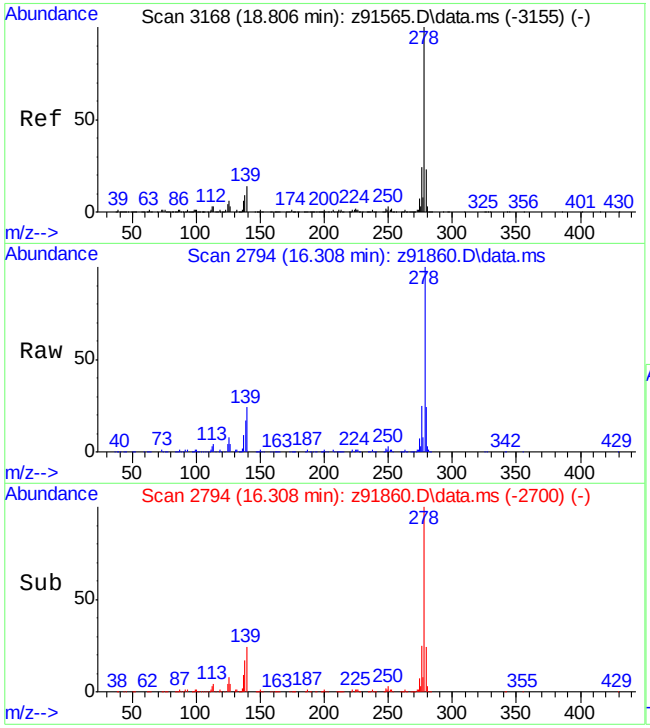


#97
Indeno[1,2,3-cd]pyrene
Concen: 48.58 ppb
RT: 16.271 min Scan# 2787
Delta R.T. 0.005 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:276 Resp: 1304748

Ion	Ratio	Lower	Upper
276	100		
138	26.3	0.0	55.2
137	18.5	0.0	49.3

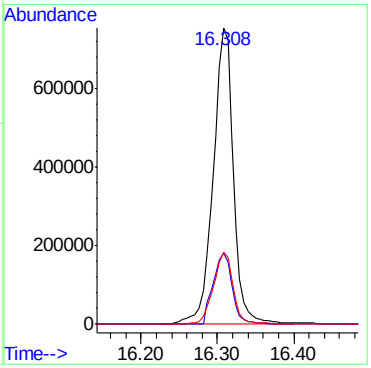


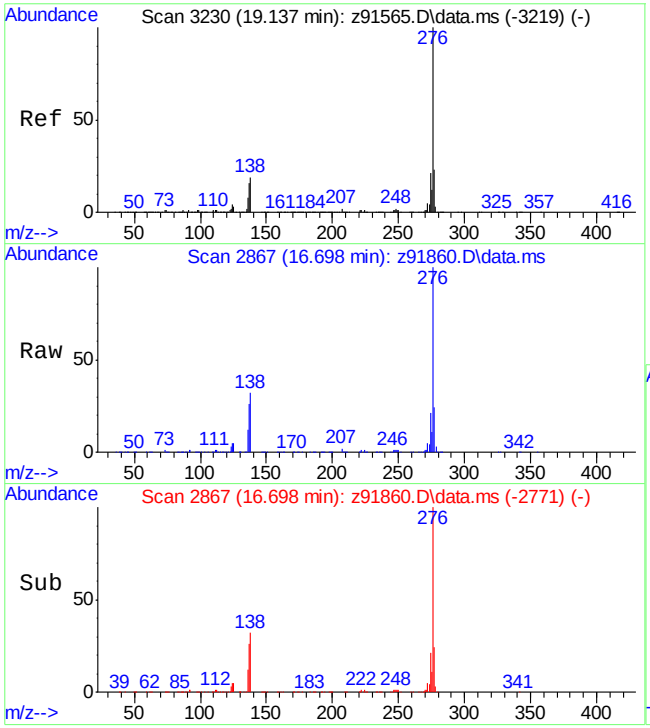


#99
Dibenz[a,h]anthracene
Concen: 48.86 ppb
RT: 16.308 min Scan# 2794
Delta R.T. 0.000 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:278 Resp: 1383911

Ion	Ratio	Lower	Upper
278	100		
139	23.8	0.0	54.1
279	24.4	0.0	53.2

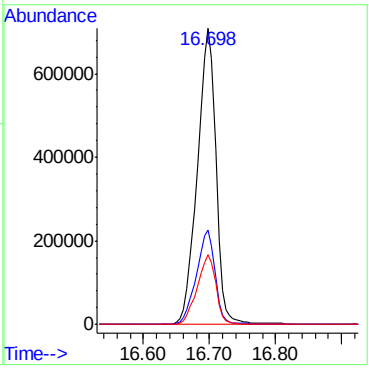




#101
Benzo[g,h,i]perylene
Concen: 49.12 ppb
RT: 16.698 min Scan# 2867
Delta R.T. 0.011 min
Lab File: z91860.D
Acq: 27 May 2014 3:17 pm

Tgt Ion:276 Resp: 1374342

Ion	Ratio	Lower	Upper
276	100		
138	31.8	3.7	63.7
277	23.7	0.0	53.6



9.6.47

9

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

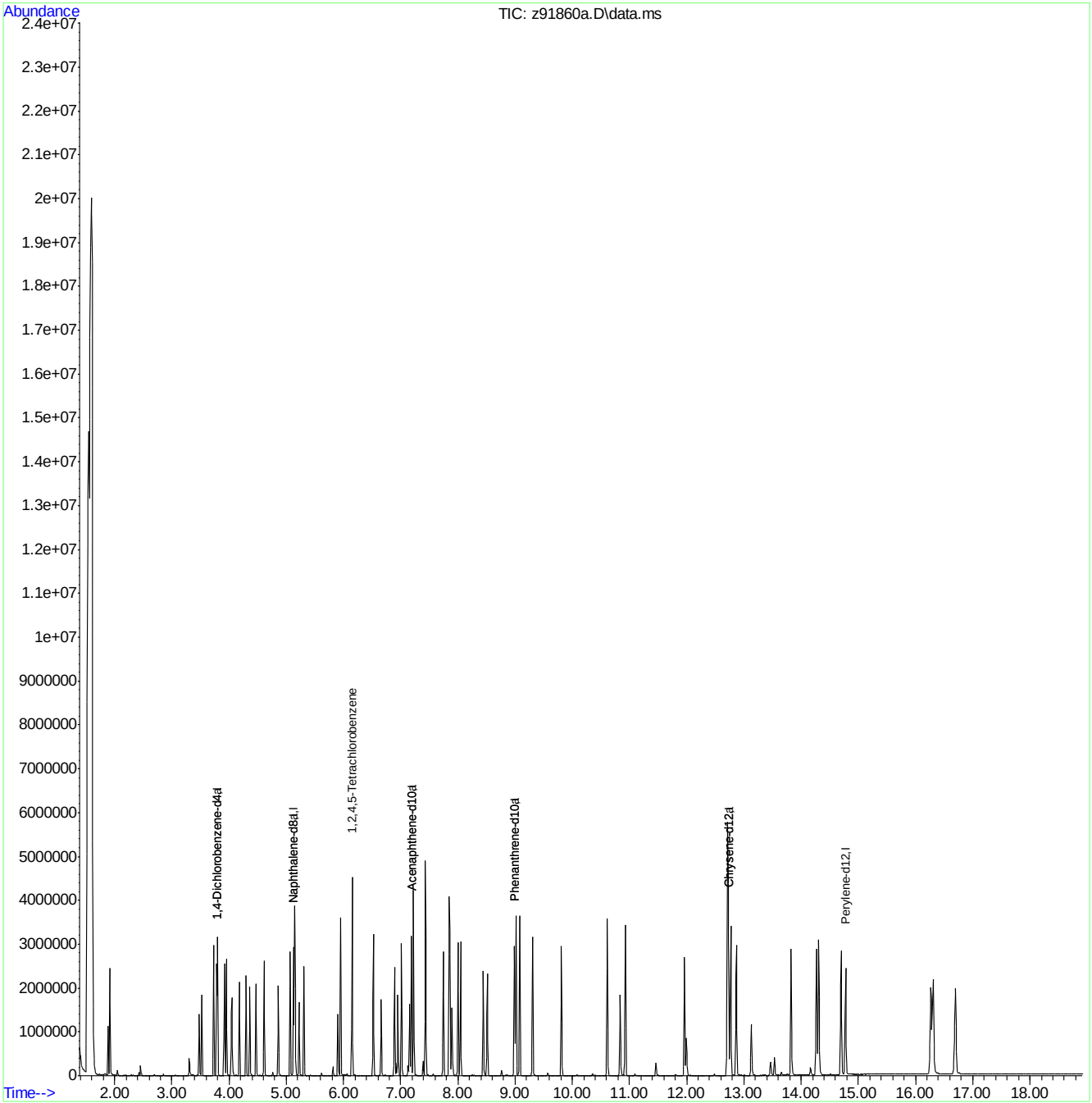
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	348012	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1356058	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	736698	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1199705	40.00	ppb	0.00
83) Chrysene-d12	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

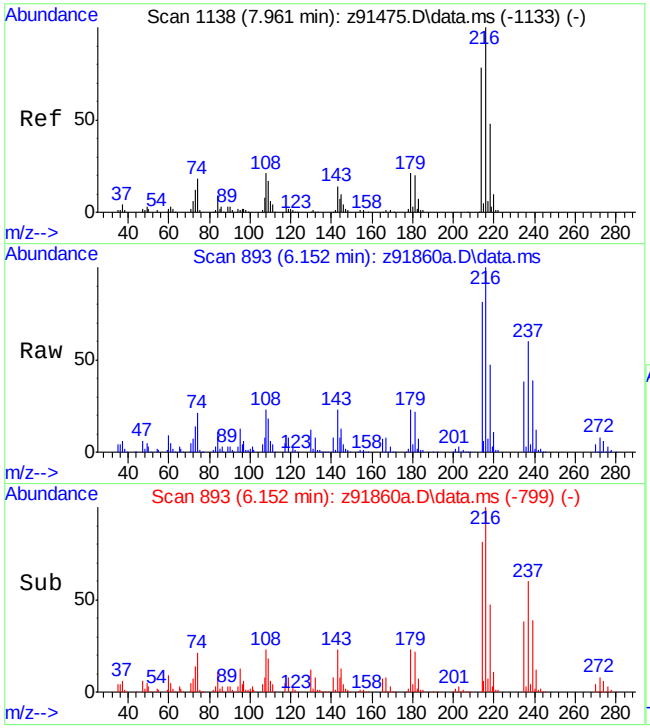
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

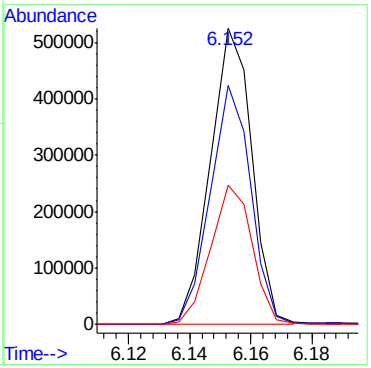




#111
1,2,4,5-Tetrachlorobenzene
Concen: 56.35 ppb
RT: 6.152 min Scan# 893
Delta R.T. 0.000 min
Lab File: z91860a.D
Acq: 27 May 2014 3:17 pm

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

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration

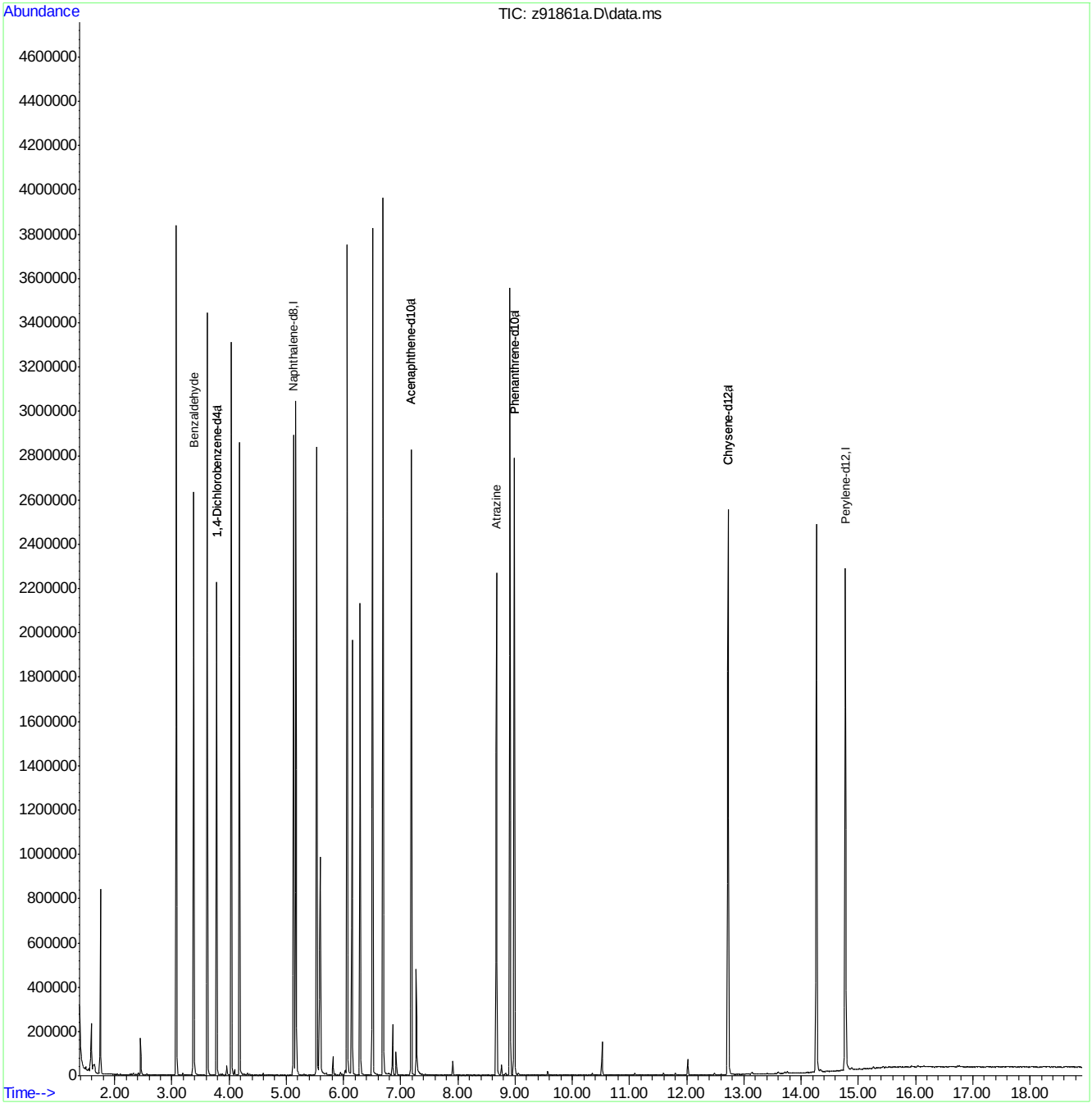
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb	0.02
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb	0.02
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb	0.02
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb	0.03
83) Chrysene-d12	12.723	240	1084642	40.00	ppb	0.02
92) Perylene-d12	14.775	264	957548	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb	0.00
106) Chrysene-d12a	12.723	240	1084642	40.00	ppb	0.00
108) Acenaphthene-d10a	7.183	164	674056	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.380	105	445470	61.31	ppb	85
105) Atrazine	8.674	215	140033	52.35	ppb #	74

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861a.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4571-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 30 11:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri May 30 11:35:20 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91861.D
Acq On : 27 May 2014 3:43 pm
Operator : ashleyv
Sample : ICV4569-50, bn2
Misc : op73791,ez4571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 28 12:12:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.786	152	309468	40.00	ppb		0.00
24) Naphthalene-d8	5.127	136	1224773	40.00	ppb		0.00
47) Acenaphthene-d10	7.183	164	674056	40.00	ppb		0.00
69) Phenanthrene-d10	8.989	188	1122411	40.00	ppb		0.00
83) Chrysene-d12	12.723	240	1084642	40.00	ppb		-0.01
92) Perylene-d12	14.775	264	957548	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.786	152	309468	40.00	ppb		0.00
104) Phenanthrene-d10a	8.989	188	1122411	40.00	ppb		0.00
107) Chrysene-d12a	12.723	240	1084642	40.00	ppb		-0.01
110) Acenaphthene-d10a	7.183	164	674056	40.00	ppb		0.00
112) Naphthalene-d8a	5.127	136	1224773	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.000	112	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
8) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
106) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.750	88	226374	42.72	ppb		99
6) Indene	4.042	116	942222	44.96	ppb		97
7) Cumene	3.075	105	1279329	43.16	ppb		99
13) Decane	3.620	43	565933	39.93	ppb		97
18) Acetophenone	4.181	105	742272	43.33	ppb		96
26) Nitrobenzene	4.181	77	579593	48.58	ppb	#	35
27) Quinoline	5.527	129	1070405	43.63	ppb		99
40) 2,3-Dichloroaniline	6.291	161	444026	37.97	ppb		99
41) Caprolactam	5.591	55	229369	40.30	ppb		98
45) 1-Methylnaphthalene	6.067	141	873720	42.74	ppb		99
46) Dimethylnaphthalene	6.692	156	898145	43.36	ppb		100
48) Hexachlorocyclopentadiene	6.152	237	303432	56.94	ppb		99
53) Biphenyl	6.510	154	1216191	42.66	ppb		99
82) Octadecane	8.909	57	696175	45.17	ppb		96
100) 7,12-Dimethylbenz(a)an...	14.267	256	592112	53.28	ppb		99

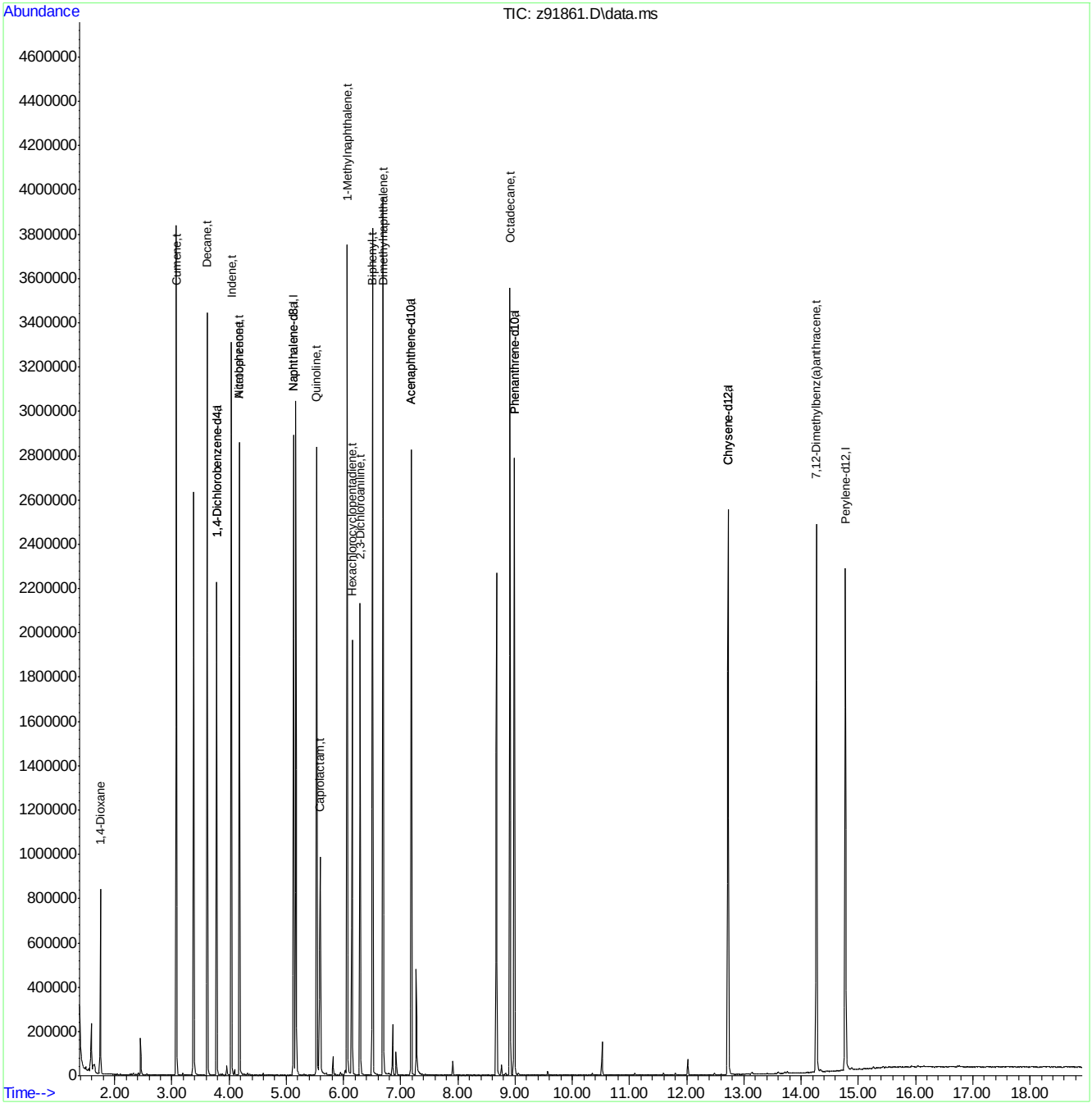
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MZ4569.M Wed May 28 12:12:14 2014 RTE

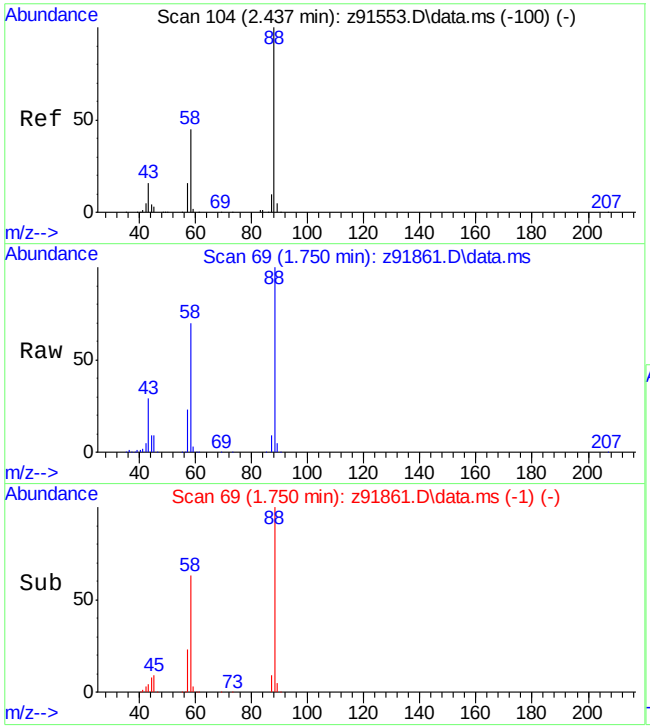
Quantitation Report (QT Reviewed)

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



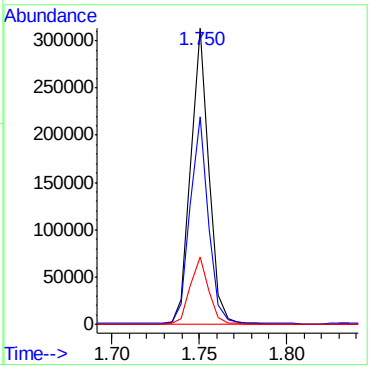
ACCUTEST LABORATORIES JB67976

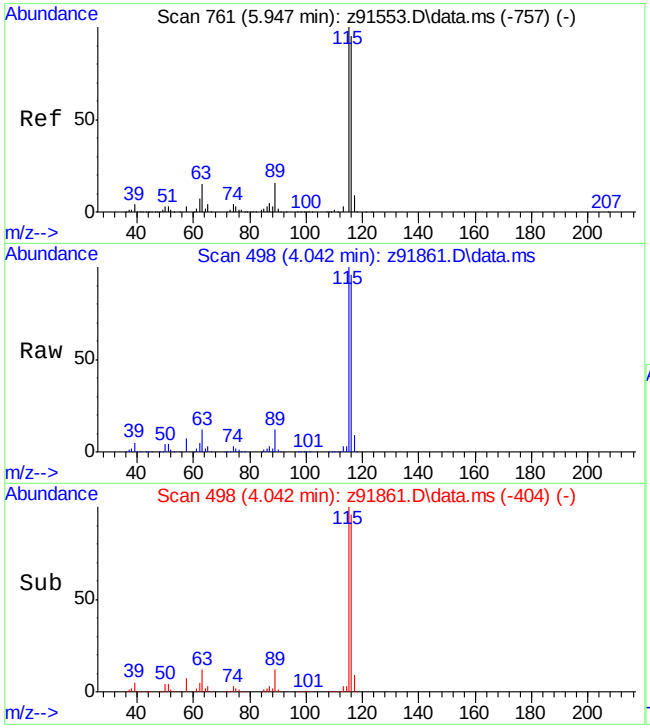


#2
1,4-Dioxane
Concen: 42.72 ppb
RT: 1.750 min Scan# 69
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 88 Resp: 226374

Ion	Ratio	Lower	Upper
88	100		
58	70.6	51.1	91.1
57	23.1	3.5	43.5

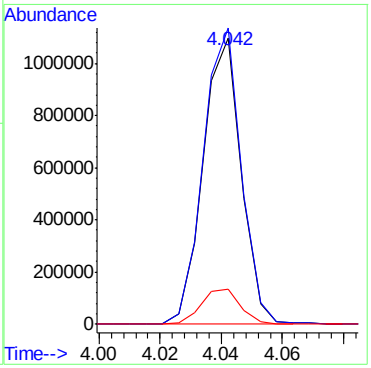


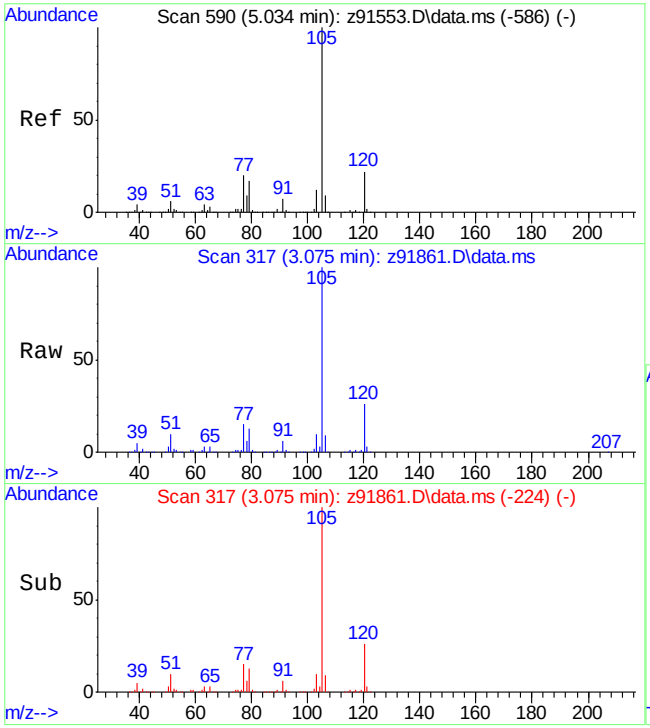


#6
Indene
Concen: 44.96 ppb
RT: 4.042 min Scan# 498
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:116 Resp: 942222

Ion	Ratio	Lower	Upper
116	100		
115	103.6	70.6	130.6
63	12.1	0.0	44.5

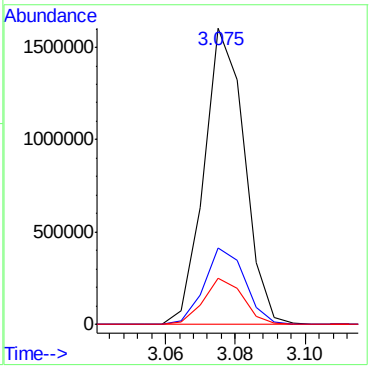


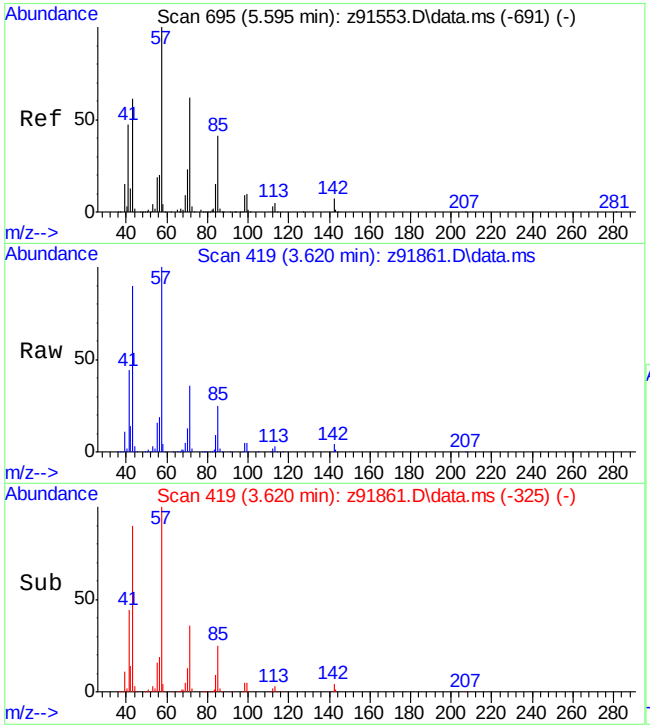


#7
Cumene
Concen: 43.16 ppb
RT: 3.075 min Scan# 317
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:105 Resp: 1279329

Ion	Ratio	Lower	Upper
105	100		
120	25.7	0.0	55.6
77	15.4	0.0	44.9

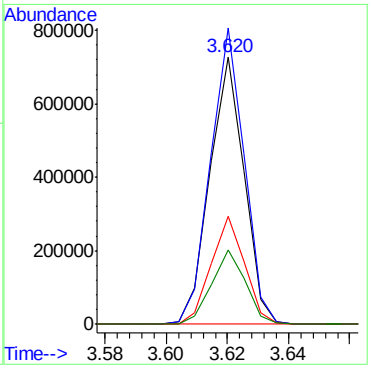


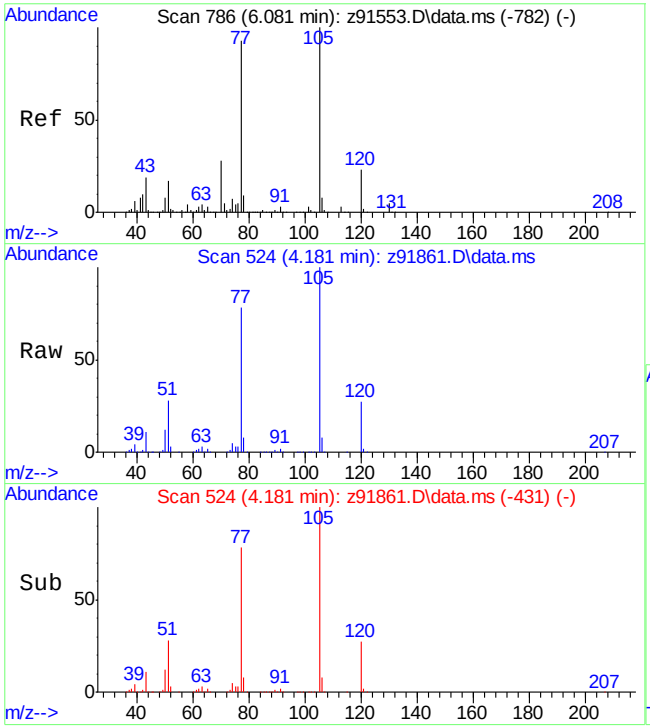


#13
Decane
Concen: 39.93 ppb
RT: 3.620 min Scan# 419
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 43 Resp: 565933

Ion	Ratio	Lower	Upper
43	100		
57	110.8	84.1	144.1
71	40.4	12.1	72.1
85	27.7	0.0	59.5

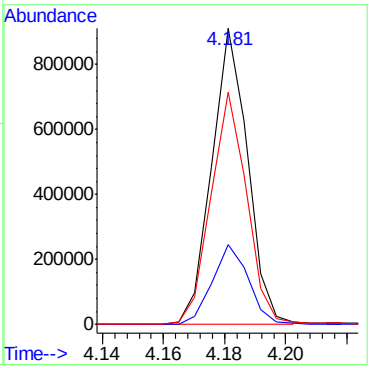


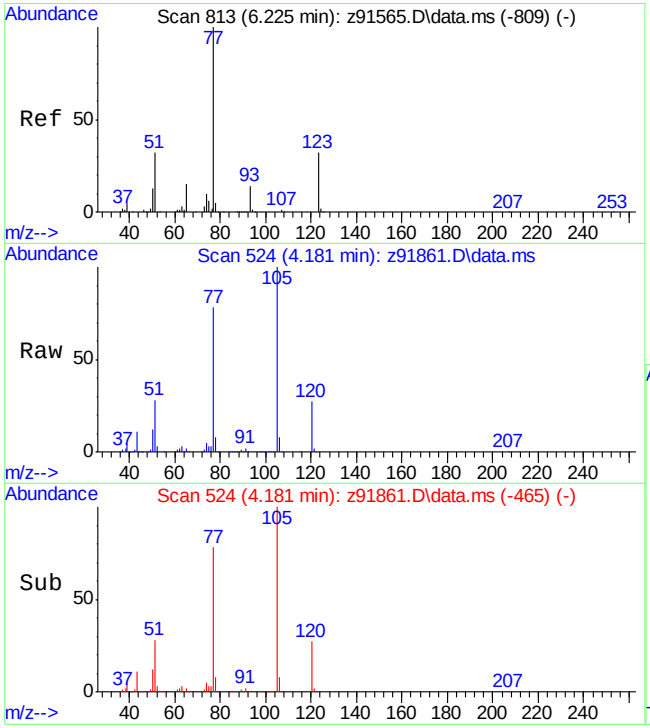


#18
Acetophenone
Concen: 43.33 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:105 Resp: 742272

Ion	Ratio	Lower	Upper
105	100		
120	27.1	0.0	57.0
77	78.5	53.0	113.0

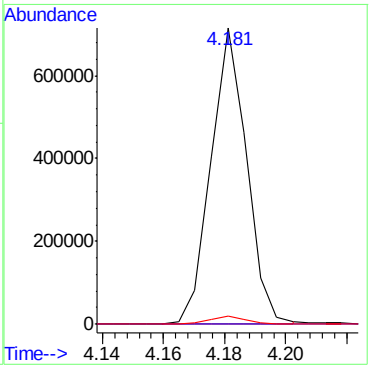


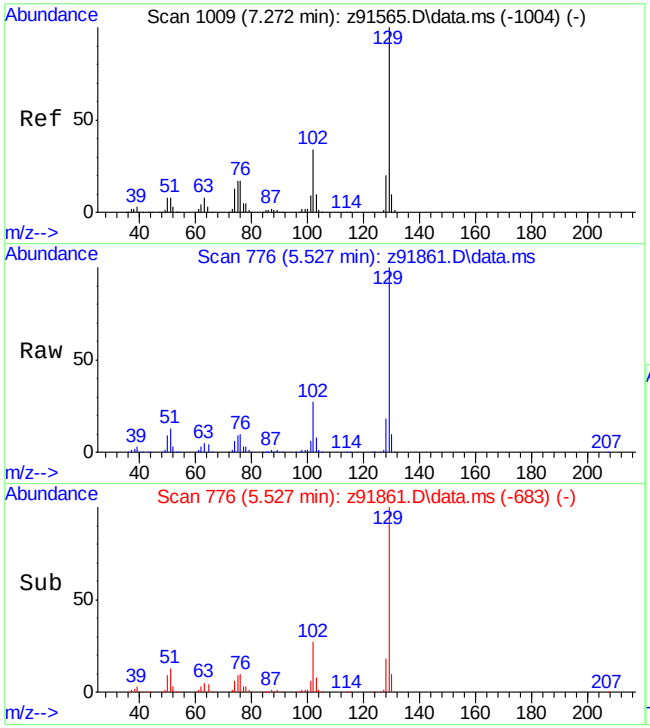


#26
Nitrobenzene
Concen: 48.58 ppb
RT: 4.181 min Scan# 524
Delta R.T. -0.187 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 77 Resp: 579593

Ion	Ratio	Lower	Upper
77	100		
123	0.0	22.5	82.5#
65	2.7	0.0	43.2

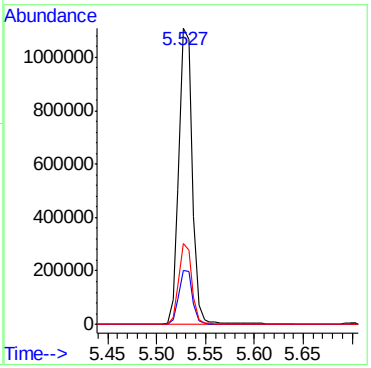


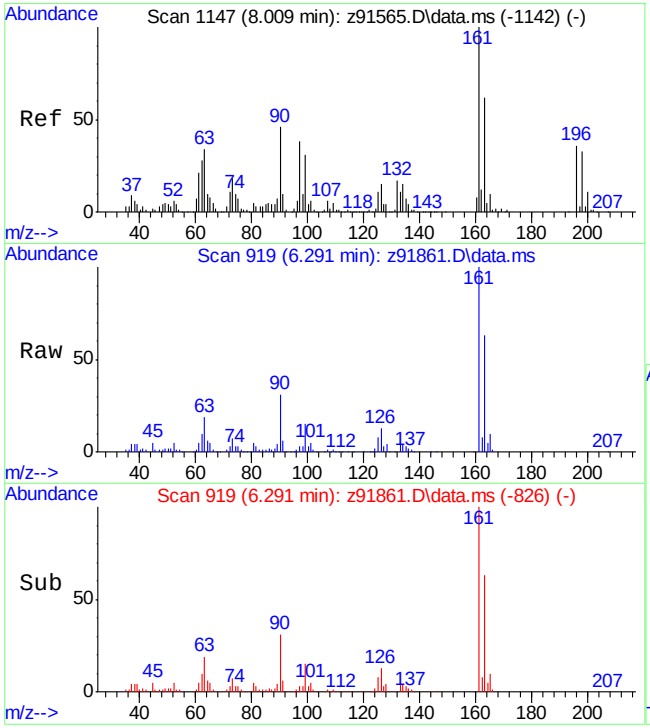


#27
Quinoline
Concen: 43.63 ppb
RT: 5.527 min Scan# 776
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:129 Resp: 1070405

Ion	Ratio	Lower	Upper
129	100		
128	18.2	0.0	48.9
102	27.1	0.0	57.0

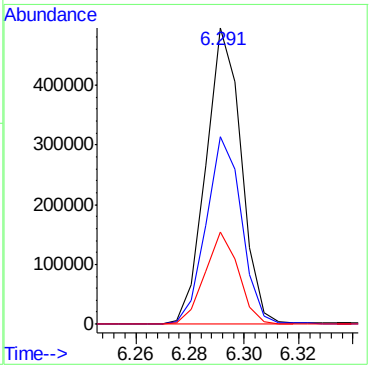


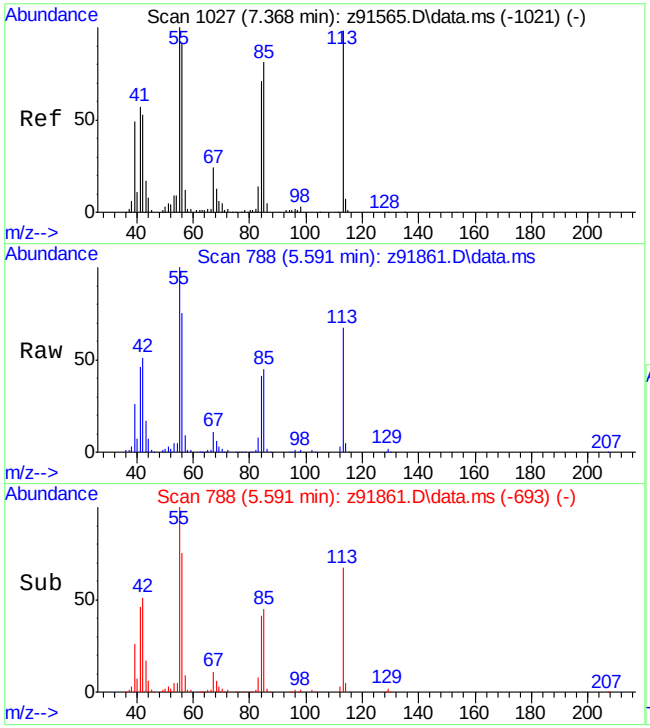


#40
2,3-Dichloroaniline
Concen: 37.97 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:161 Resp: 444026

Ion	Ratio	Lower	Upper
161	100		
163	63.3	32.9	92.9
90	31.3	0.0	59.9

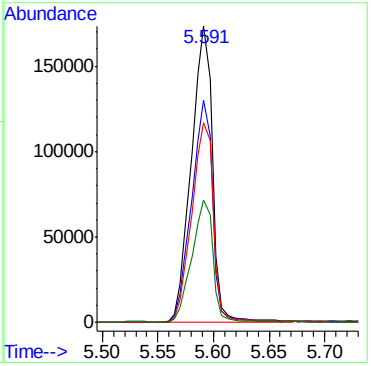


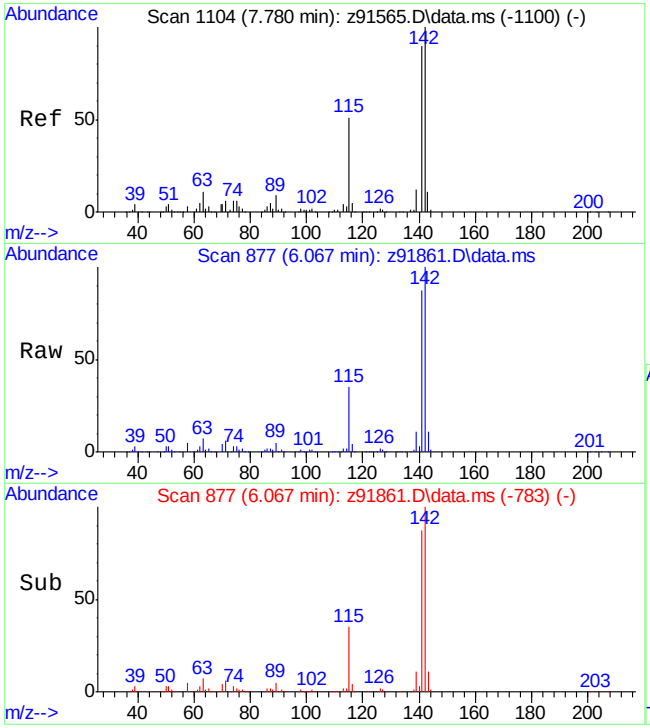


#41
Caprolactam
Concen: 40.30 ppb
RT: 5.591 min Scan# 788
Delta R.T. 0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 55 Resp: 229369

Ion	Ratio	Lower	Upper
55	100		
56	74.9	41.8	101.8
113	67.4	37.3	97.3
84	41.2	10.0	70.0

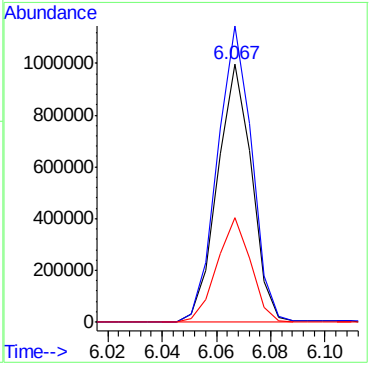


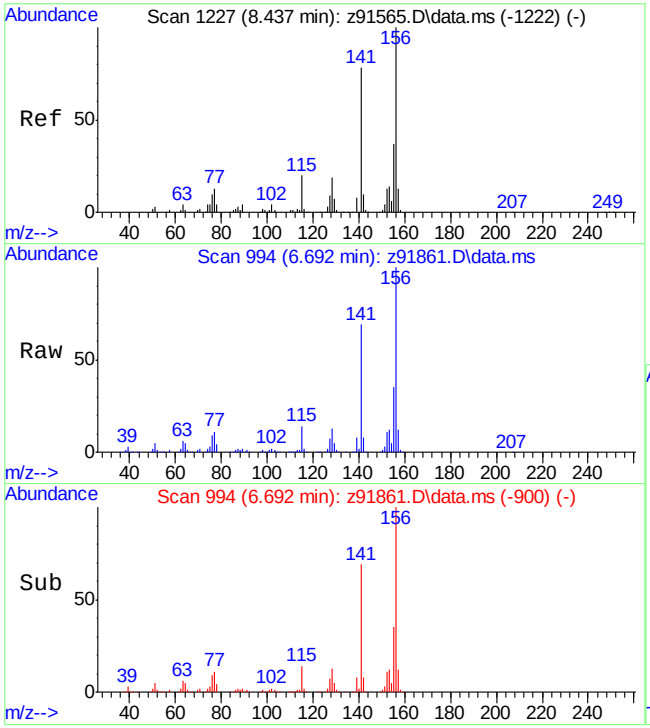


#45
1-Methylnaphthalene
Concen: 42.74 ppb
RT: 6.067 min Scan# 877
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:141 Resp: 873720

Ion	Ratio	Lower	Upper
141	100		
142	114.6	84.9	144.9
115	40.3	9.0	69.0

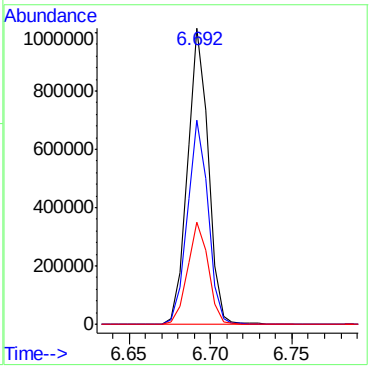


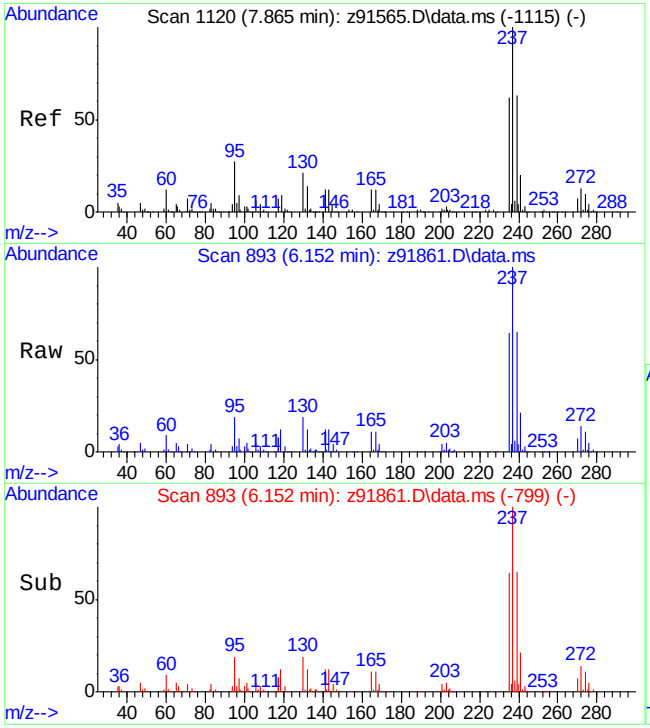


#46
Dimethylnaphthalene
Concen: 43.36 ppb
RT: 6.692 min Scan# 994
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:156 Resp: 898145

Ion	Ratio	Lower	Upper
156	100		
141	69.0	39.1	99.1
155	34.6	5.0	65.0

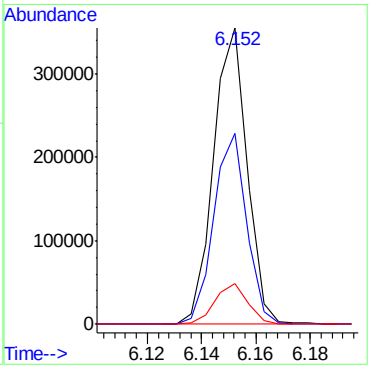


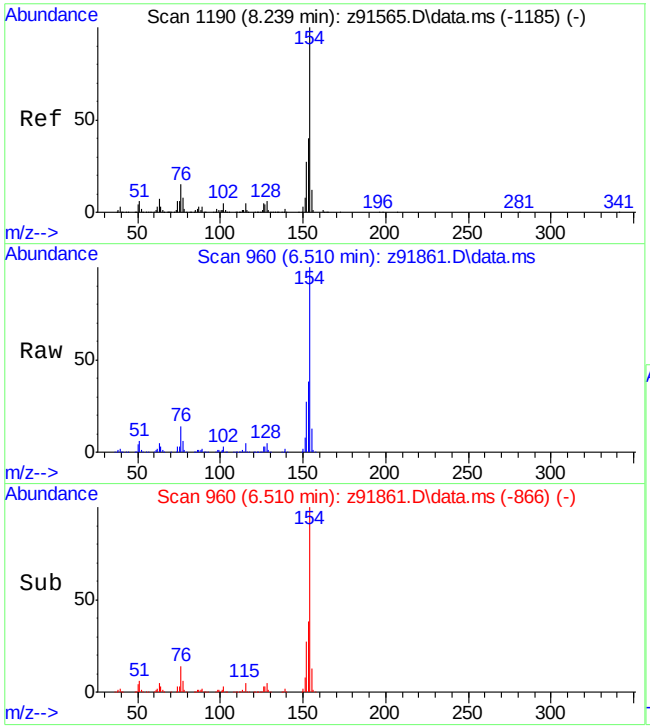


#48
Hexachlorocyclopentadiene
Concen: 56.94 ppb
RT: 6.152 min Scan# 893
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:237 Resp: 303432

Ion	Ratio	Lower	Upper
237	100		
235	64.3	33.9	93.9
272	13.7	0.0	43.3

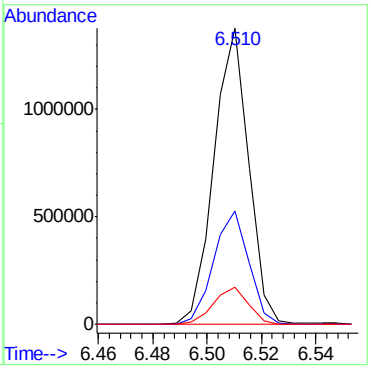


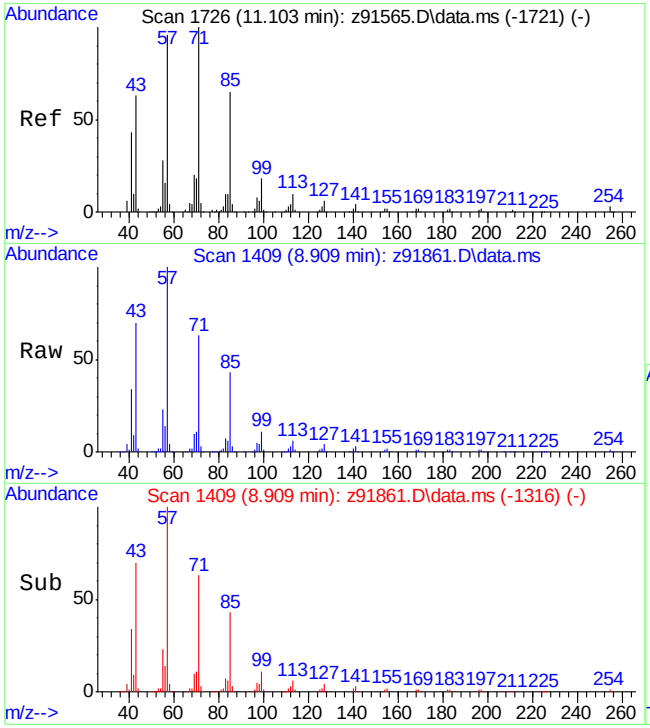


#53
Biphenyl
Concen: 42.66 ppb
RT: 6.510 min Scan# 960
Delta R.T. -0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:154 Resp: 1216191

Ion	Ratio	Lower	Upper
154	100		
153	38.3	9.3	69.3
155	12.5	0.0	42.4

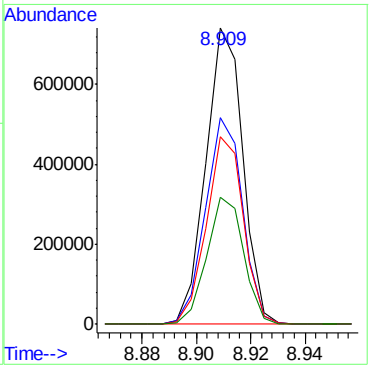


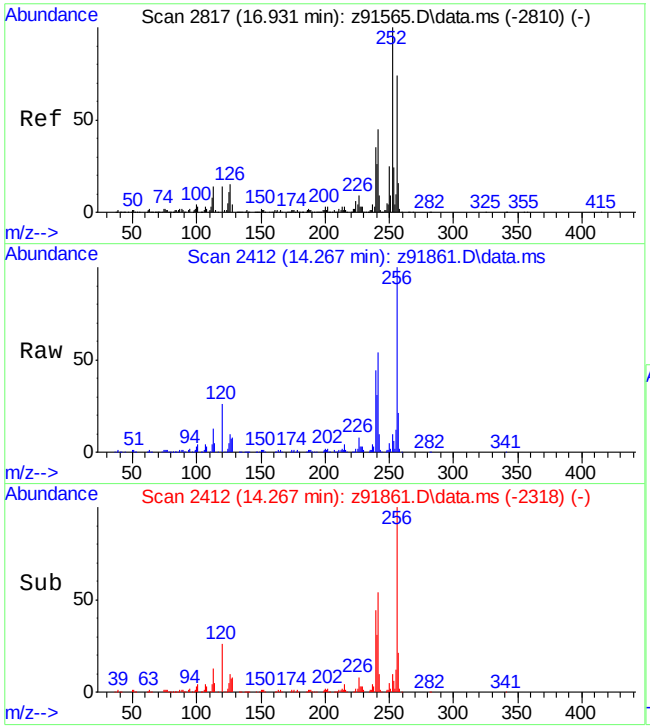


#82
Octadecane
Concen: 45.17 ppb
RT: 8.909 min Scan# 1409
Delta R.T. -0.005 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion: 57 Resp: 696175

Ion	Ratio	Lower	Upper
57	100		
43	69.7	36.3	96.3
71	63.4	36.7	96.7
85	42.9	16.1	76.1

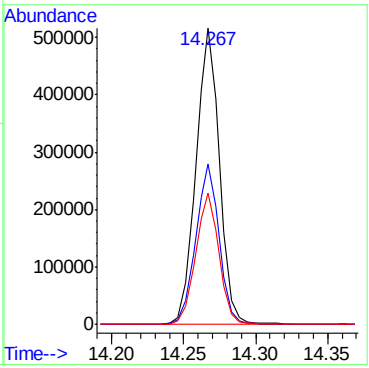




#100
7,12-Dimethylbenz(a)anthracene
Concen: 53.28 ppb
RT: 14.267 min Scan# 2412
Delta R.T. 0.000 min
Lab File: z91861.D
Acq: 27 May 2014 3:43 pm

Tgt Ion:256 Resp: 592112

Ion	Ratio	Lower	Upper
256	100		
241	54.3	25.5	85.5
239	44.3	14.2	74.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91862.D
Acq On : 27 May 2014 4:08 pm
Operator : ashleyv
Sample : ICV4569-50, aniline
Misc : op73791,ez4571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 16:51:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration

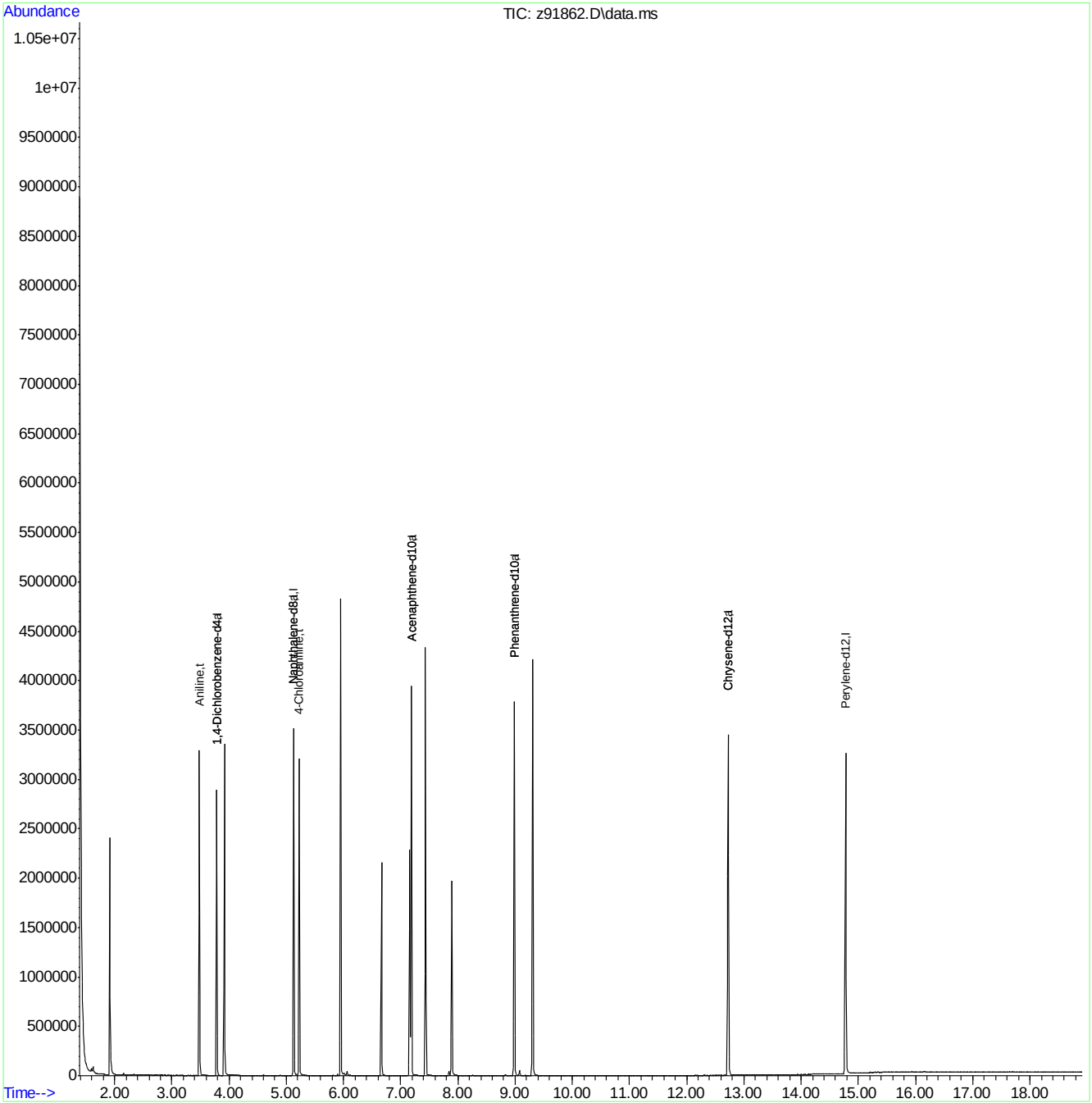
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	402904	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1607360	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	895094	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1499779	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	1493634	40.00	ppb	0.00
92) Perylene-d12	14.780	264	1357234	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	402904	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1499779	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	1493634	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	895094	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	1607360	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	3.476	93	1146579	54.22	ppb	99
39) 4-Chloroaniline	5.223	127	910290	51.48	ppb	98

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

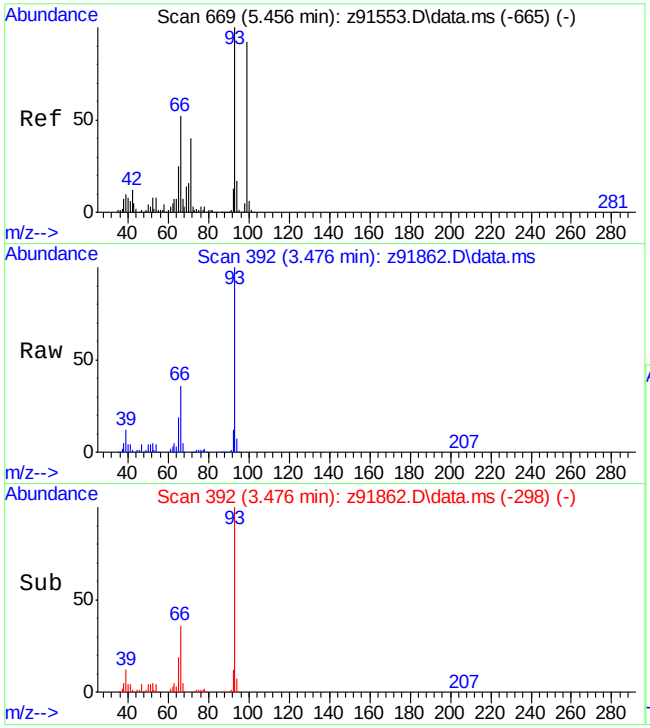
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91862.D
Acq On : 27 May 2014 4:08 pm
Operator : ashleyv
Sample : ICV4569-50, aniline
Misc : op73791,ez4571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 16:51:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue May 27 16:32:58 2014
Response via : Initial Calibration



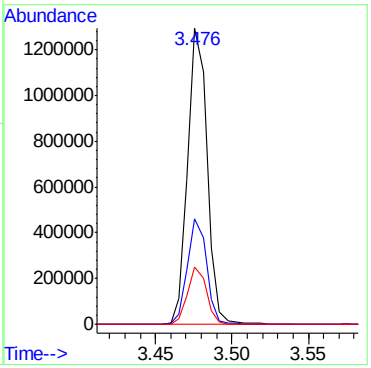
ACCUTEST LABORATORIES JB67976

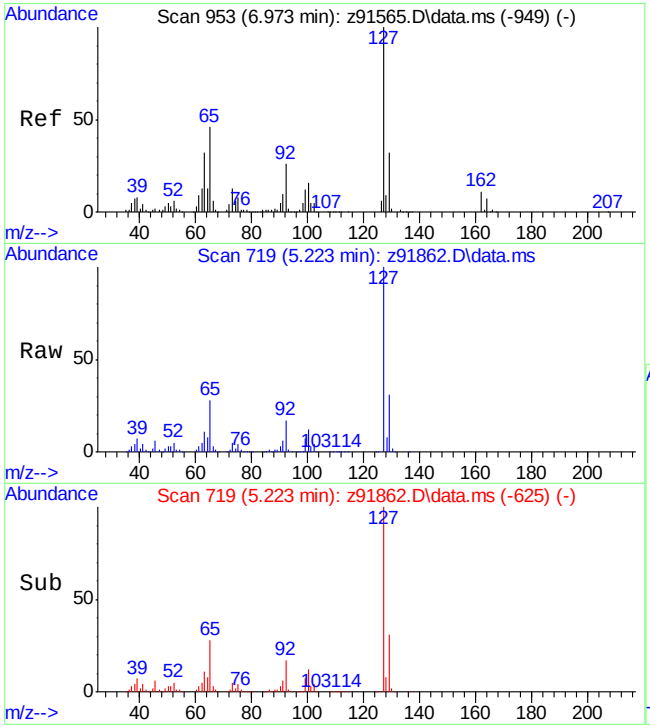


#10
Aniline
Concen: 54.22 ppb
RT: 3.476 min Scan# 392
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

Tgt Ion: 93 Resp: 1146579

Ion	Ratio	Lower	Upper
93	100		
66	35.8	4.6	64.6
65	19.4	0.0	49.2

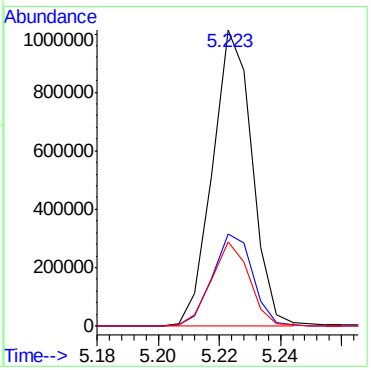




#39
4-Chloroaniline
Concen: 51.48 ppb
RT: 5.223 min Scan# 719
Delta R.T. -0.000 min
Lab File: z91862.D
Acq: 27 May 2014 4:08 pm

Tgt Ion:127 Resp: 910290

Ion	Ratio	Lower	Upper
127	100		
129	31.3	1.7	61.7
65	28.3	0.0	56.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4571\
Data File : z91863.D
Acq On : 27 May 2014 4:34 pm
Operator : ashleyv
Sample : ICV4571-50, benzidine
Misc : op73791,ez4571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 28 12:15:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Wed May 28 10:28:35 2014
Response via : Initial Calibration

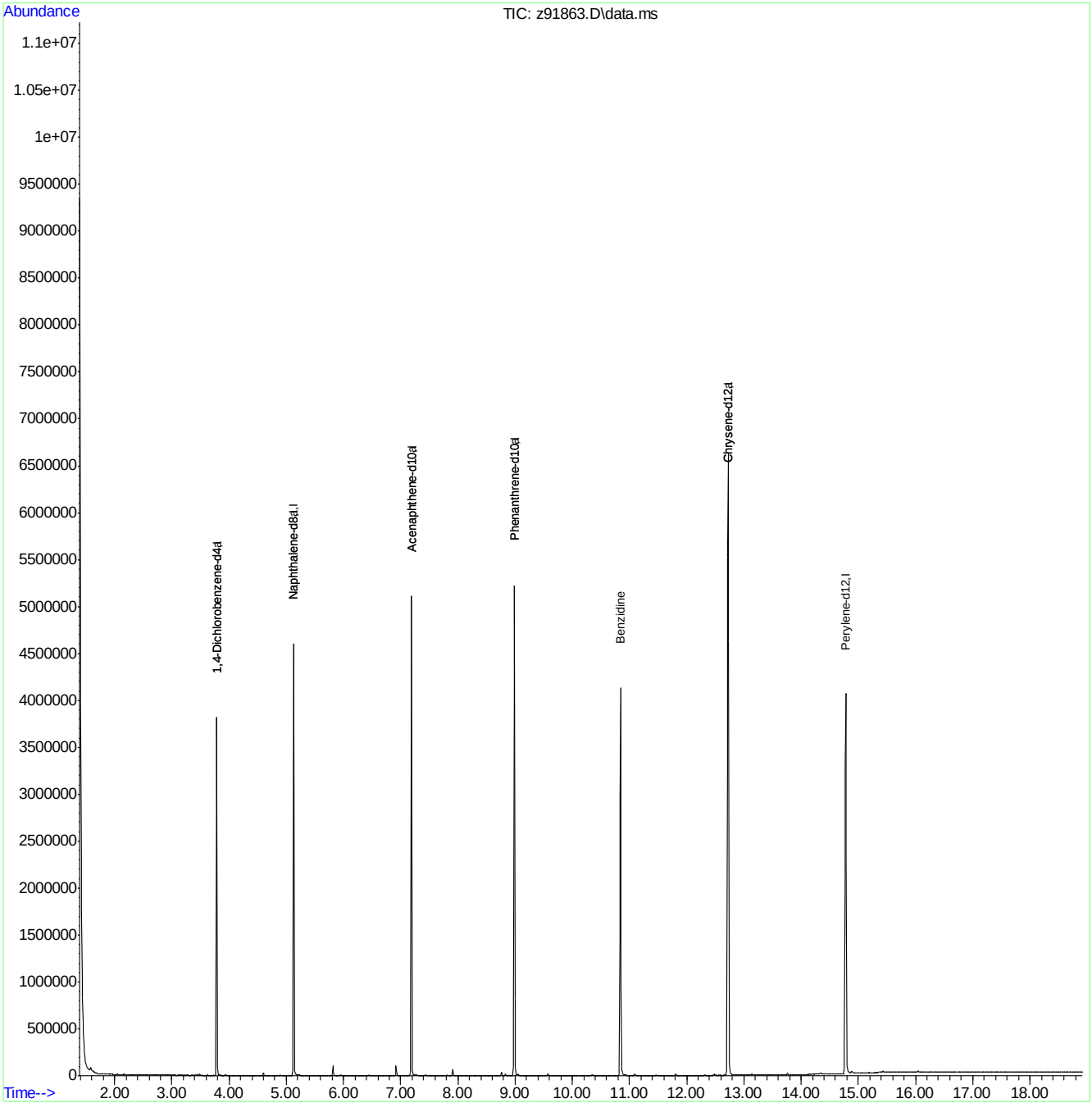
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	12.729	240	2040121	40.00	ppb	0.00
92) Perylene-d12	14.785	264	1956724	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.786	152	542301	40.00	ppb	0.00
104) Phenanthrene-d10a	8.989	188	1993923	40.00	ppb	0.00
107) Chrysene-d12a	12.729	240	2040121	40.00	ppb	0.00
110) Acenaphthene-d10a	7.189	164	1183176	40.00	ppb	0.00
112) Naphthalene-d8a	5.127	136	2147798	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
106) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	10.843	184	1815875	86.70	ppb	98

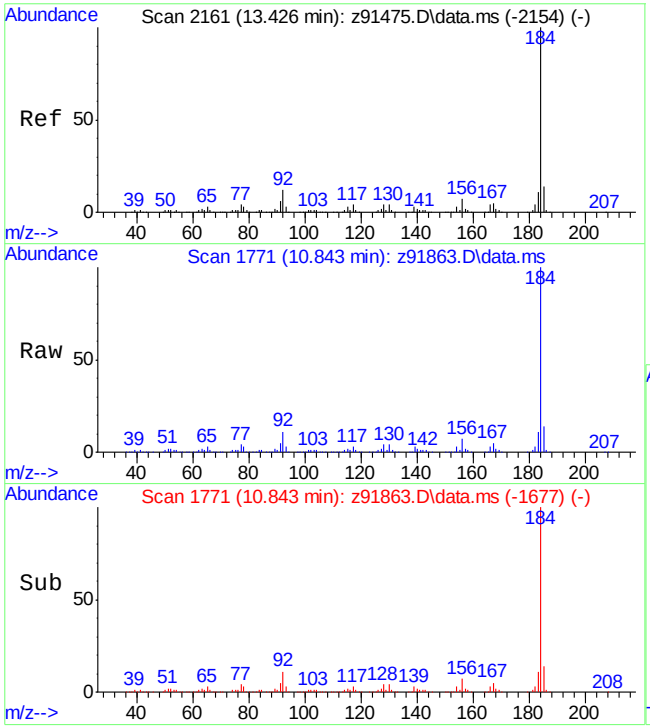
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

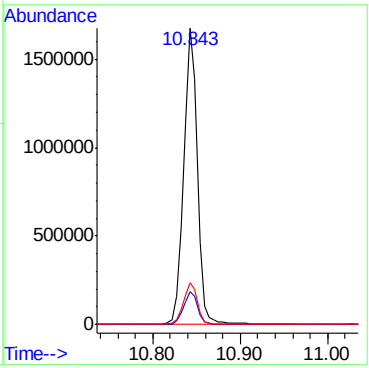




#108
Benzidine
Concen: 86.70 ppb
RT: 10.843 min Scan# 1771
Delta R.T. -0.000 min
Lab File: z91863.D
Acq: 27 May 2014 4:34 pm

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



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

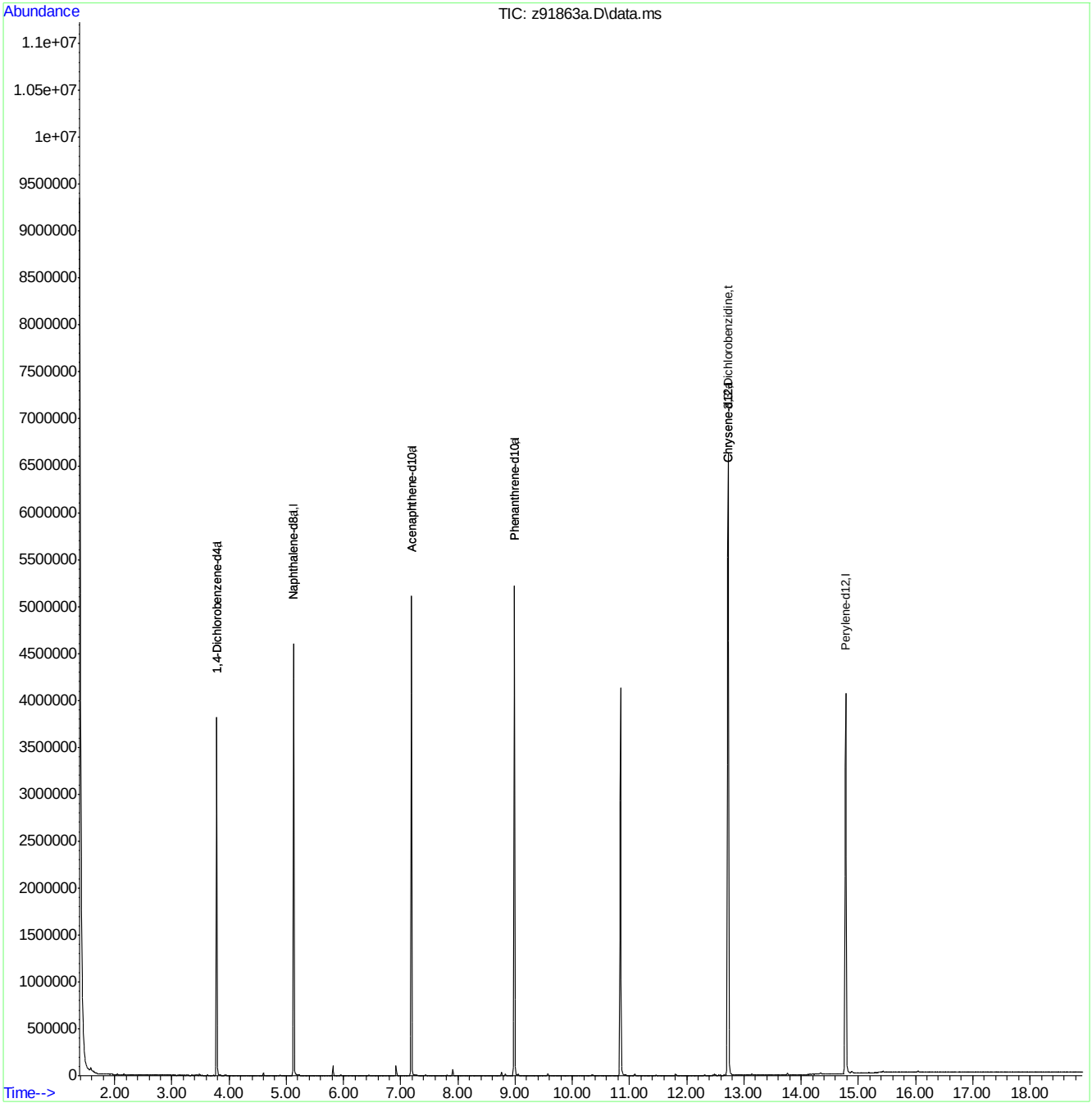
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	542301	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	2147798	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	1183176	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1993923	40.00	ppb	0.00
83) Chrysene-d12	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

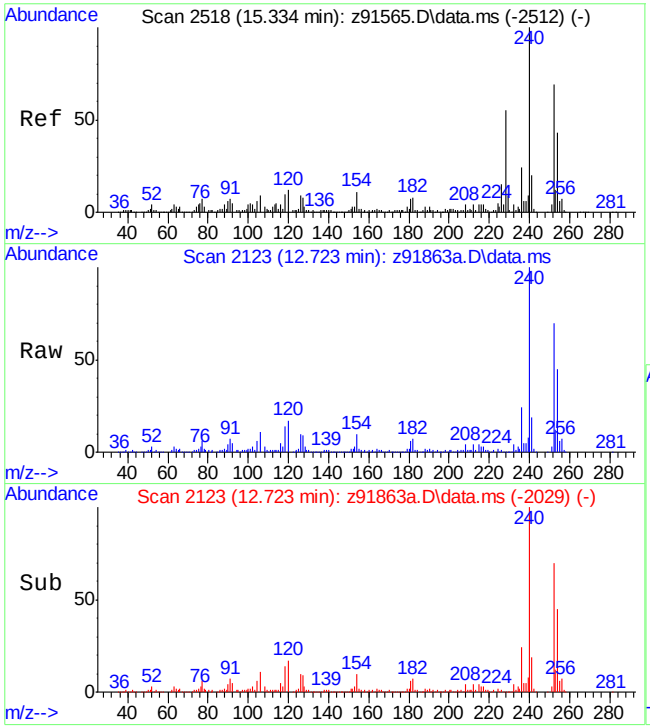
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

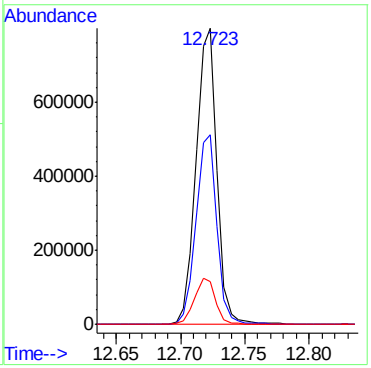




#89
3,3'-Dichlorobenzidine
Concen: 49.59 ppb
RT: 12.723 min Scan# 2123
Delta R.T. -0.000 min
Lab File: z91863a.D
Acq: 27 May 2014 4:34 pm

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 : 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

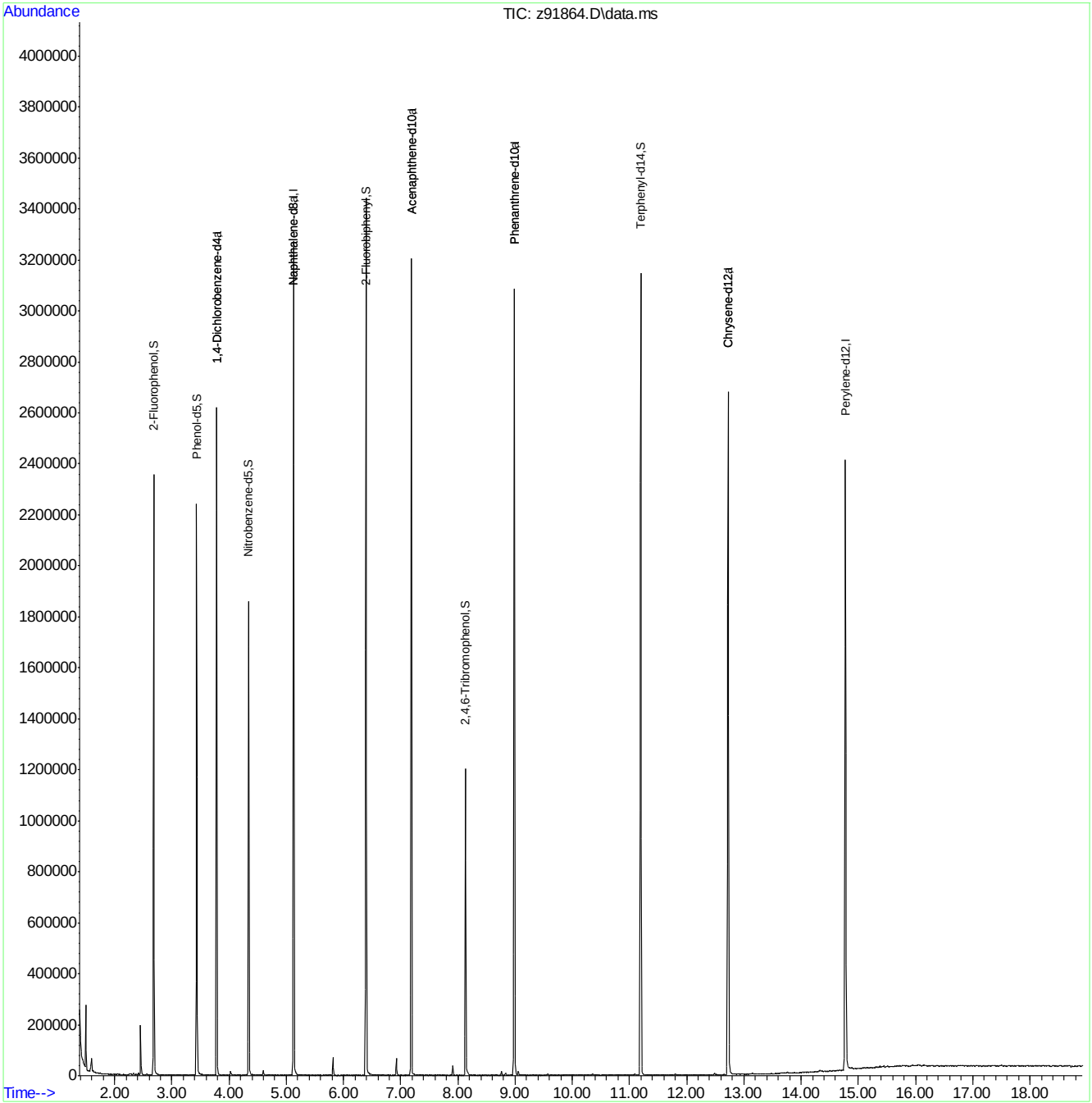
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	368875	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1430952	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	770103	40.00	ppb	0.00
69) Phenanthrene-d10	8.989	188	1246291	40.00	ppb	0.00
83) Chrysene-d12	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



MZ4569.M Tue May 27 17:21:11 2014 RTE Page: 2

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

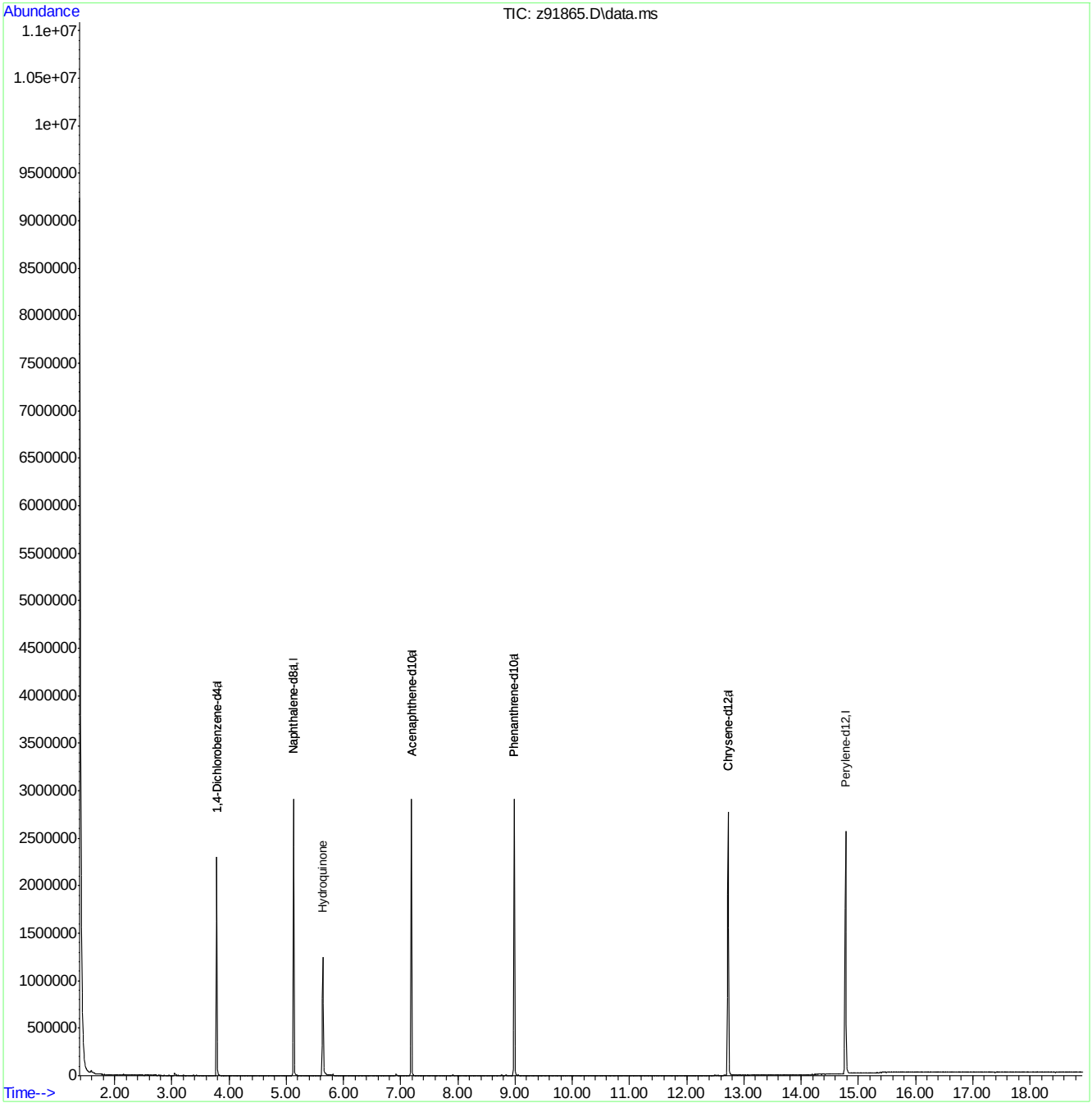
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.786	152	330274	40.00	ppb	0.00
24) Naphthalene-d8	5.127	136	1293309	40.00	ppb	0.00
47) Acenaphthene-d10	7.189	164	705500	40.00	ppb	0.00
69) Phenanthrene-d10	8.984	188	1211824	40.00	ppb	0.00
83) Chrysene-d12	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

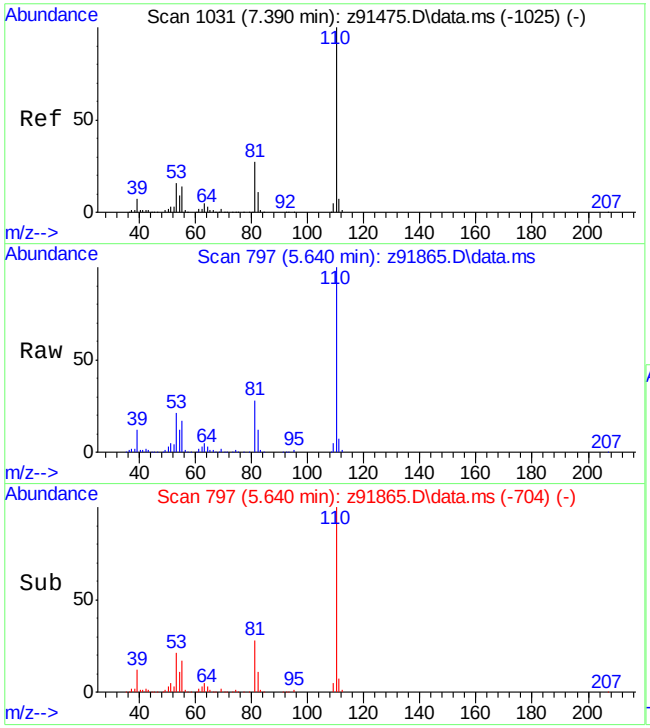
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

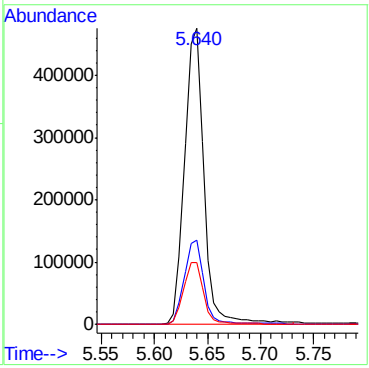




#113
Hydroquinone
Concen: 61.88 ppb
RT: 5.640 min Scan# 797
Delta R.T. -0.004 min
Lab File: z91865.D
Acq: 27 May 2014 5:25 pm

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

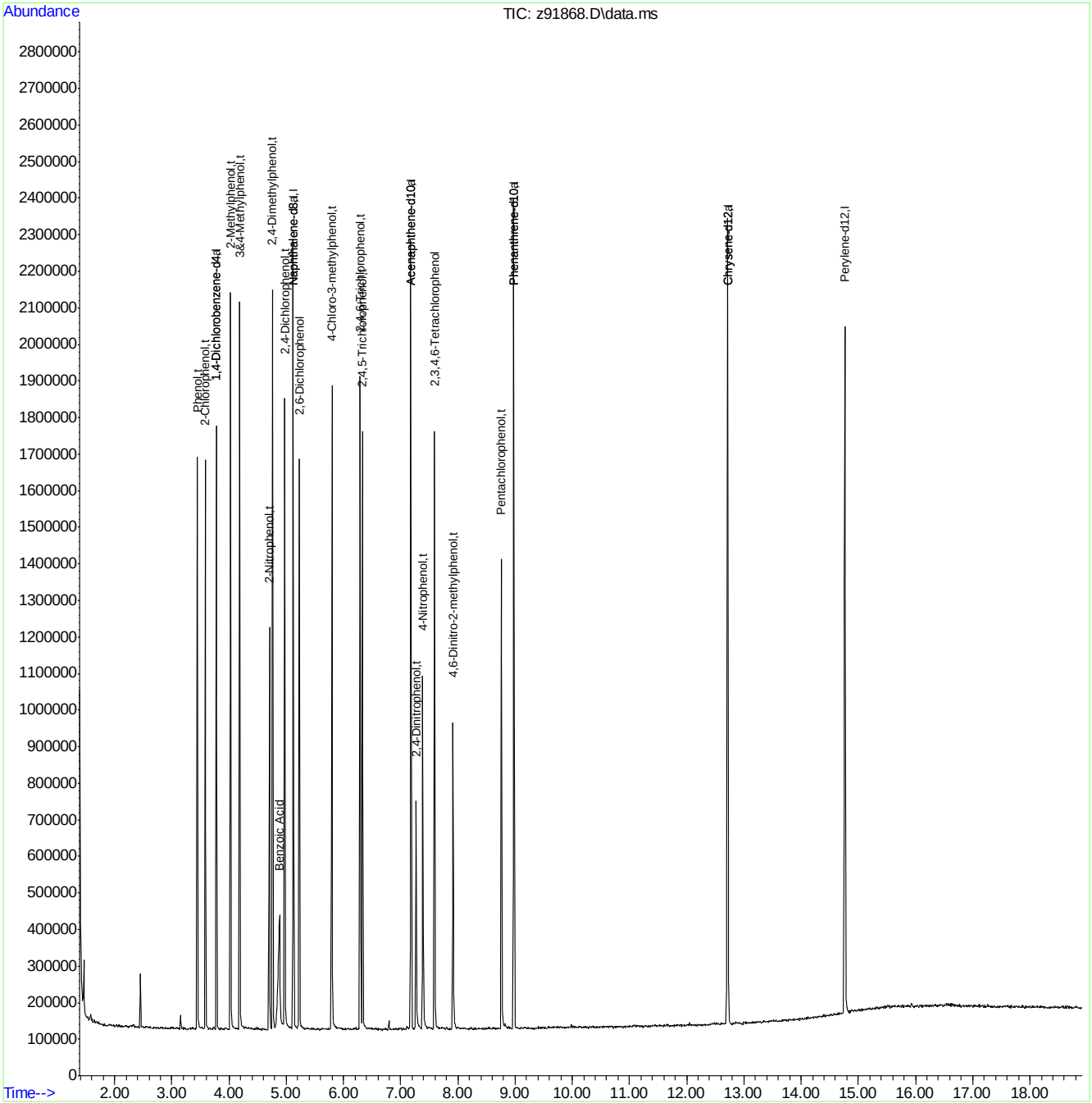
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

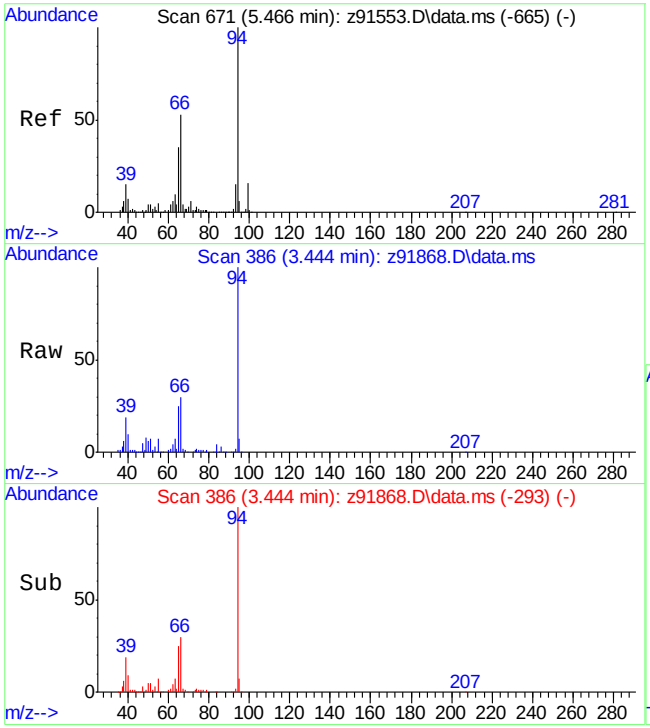
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

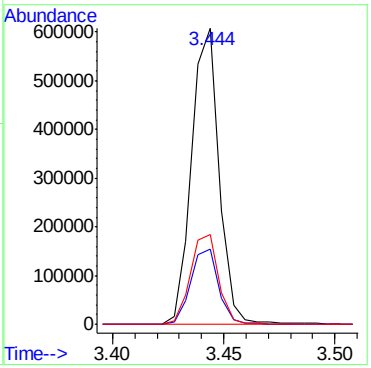


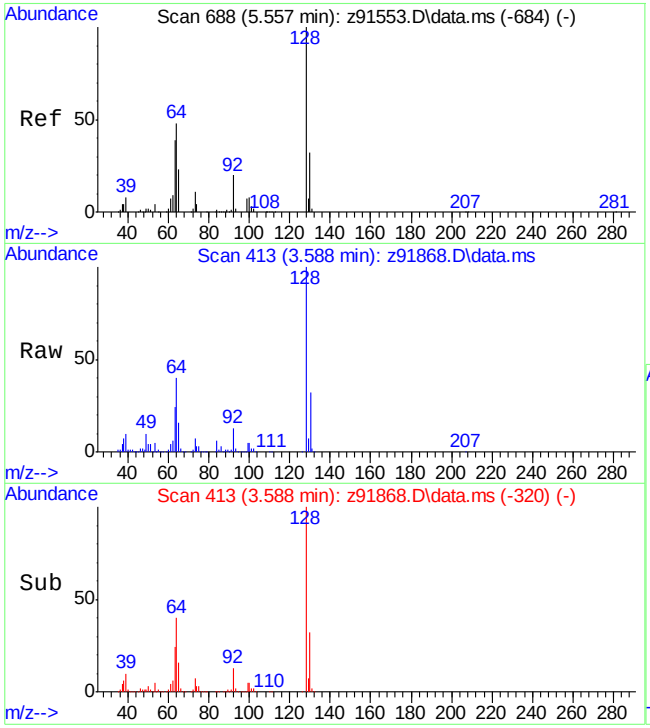


#9
Phenol
Concen: 44.64 ppb
RT: 3.444 min Scan# 386
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

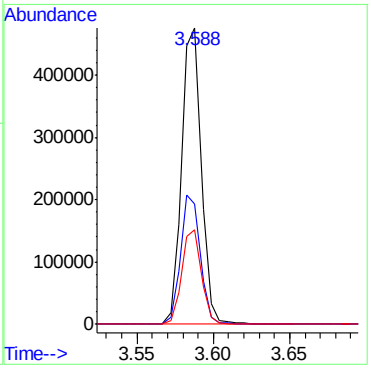


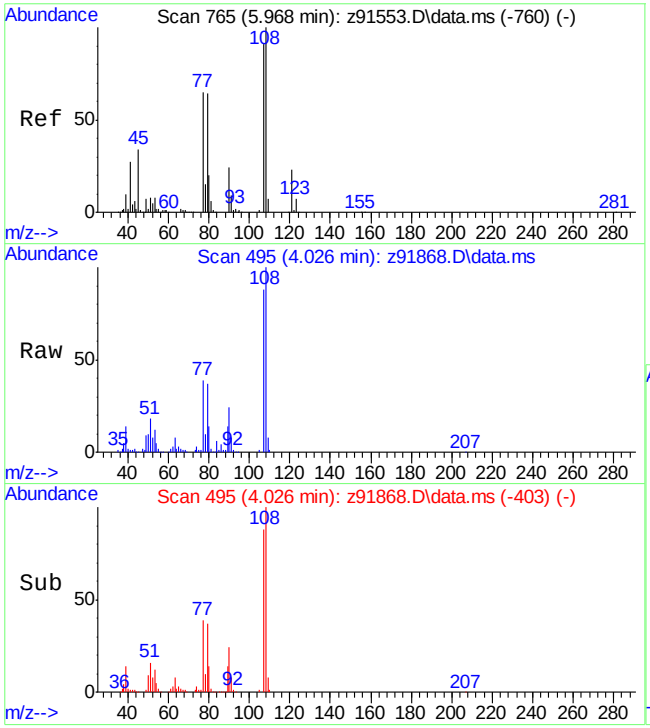


#12
2-Chlorophenol
Concen: 45.99 ppb
RT: 3.588 min Scan# 413
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

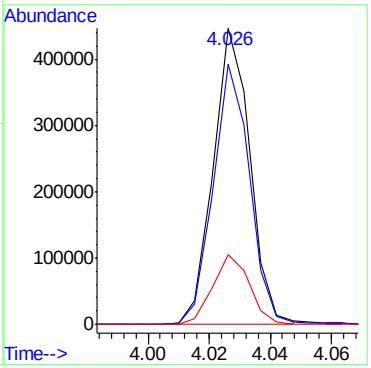


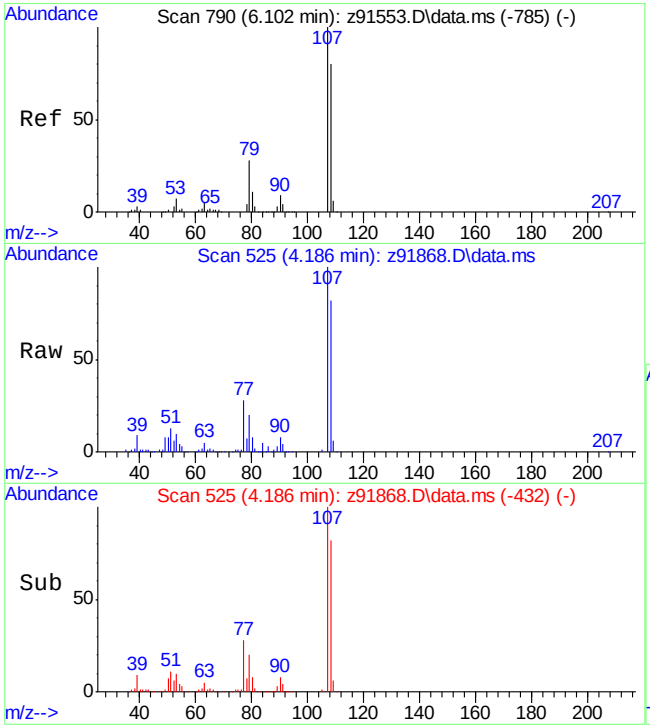


#19
2-Methylphenol
Concen: 47.63 ppb
RT: 4.026 min Scan# 495
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

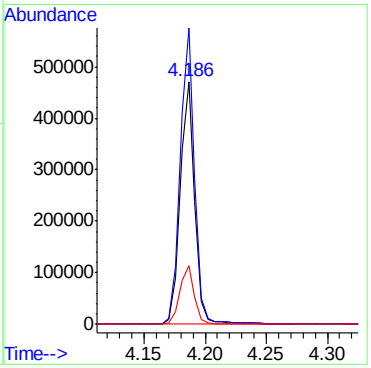


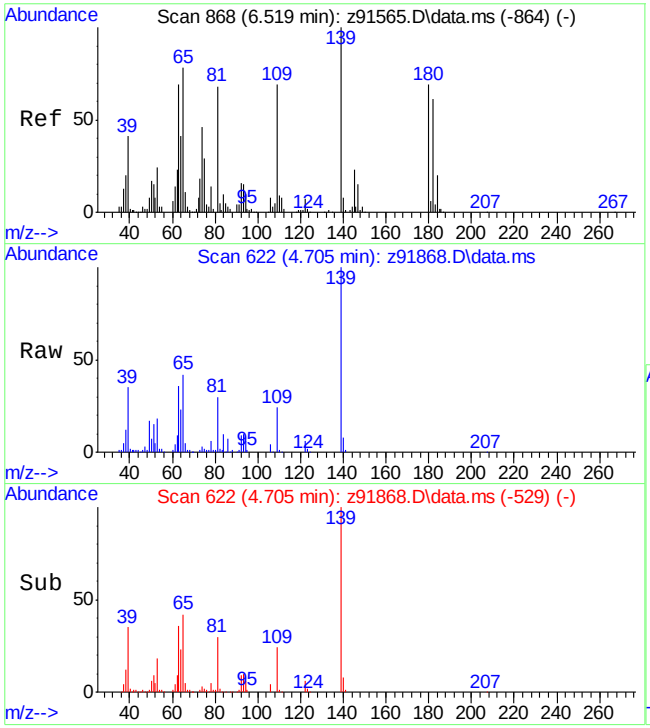


#21
3&4-Methylphenol
Concen: 46.83 ppb
RT: 4.186 min Scan# 525
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

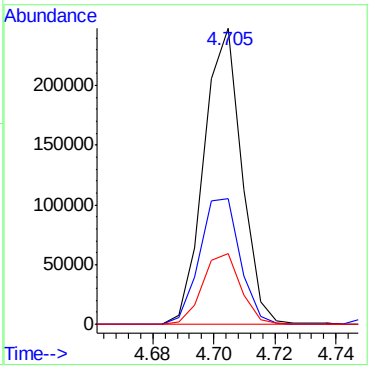


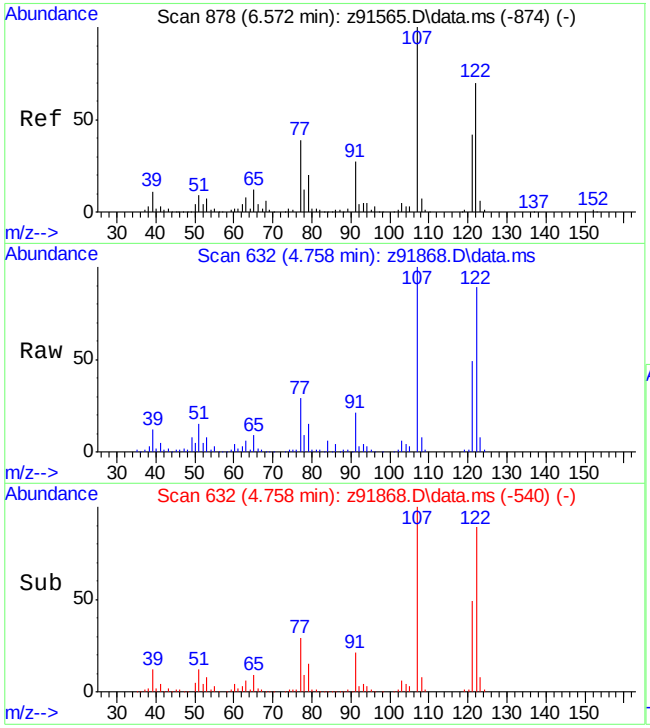


#29
2-Nitrophenol
Concen: 49.09 ppb
RT: 4.705 min Scan# 622
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

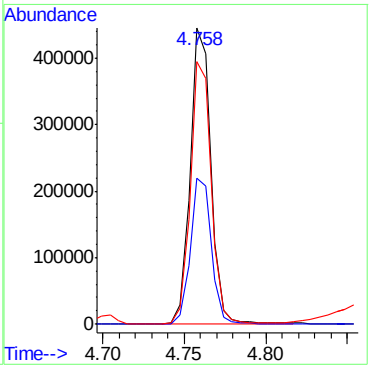


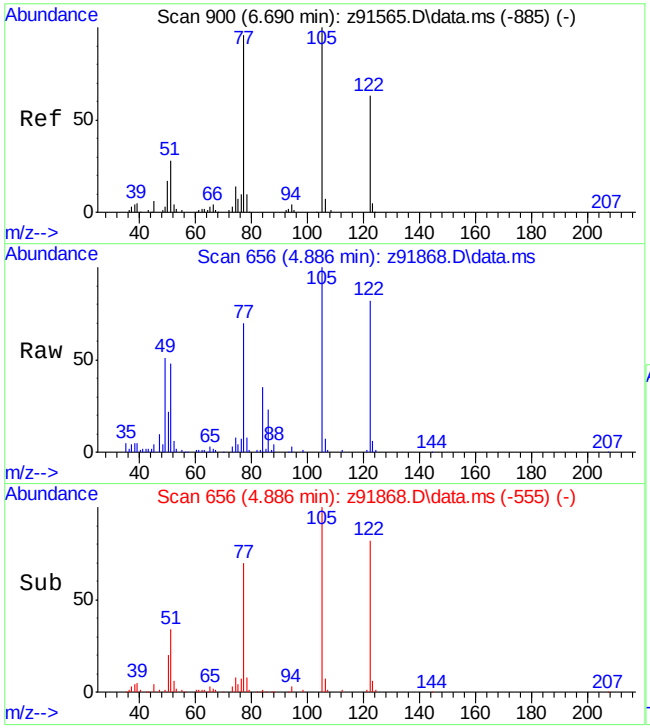


#30
2,4-Dimethylphenol
Concen: 55.27 ppb
RT: 4.758 min Scan# 632
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

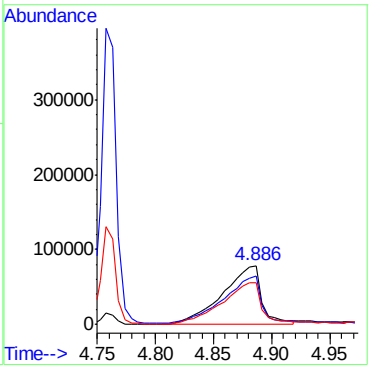


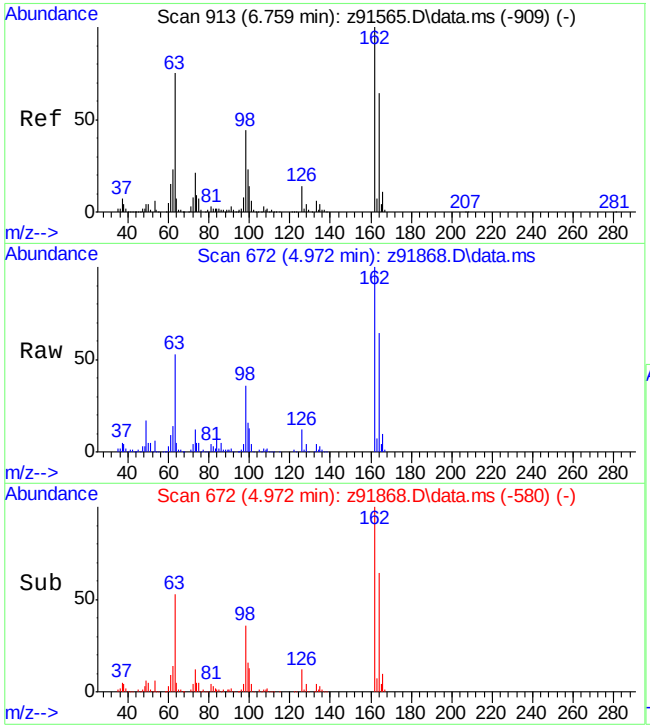


#31
Benzoic Acid
Concen: 45.61 ppb
RT: 4.886 min Scan# 656
Delta R.T. 0.037 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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#

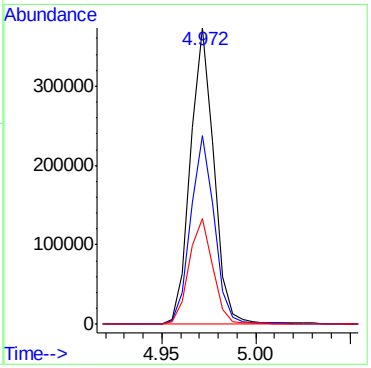


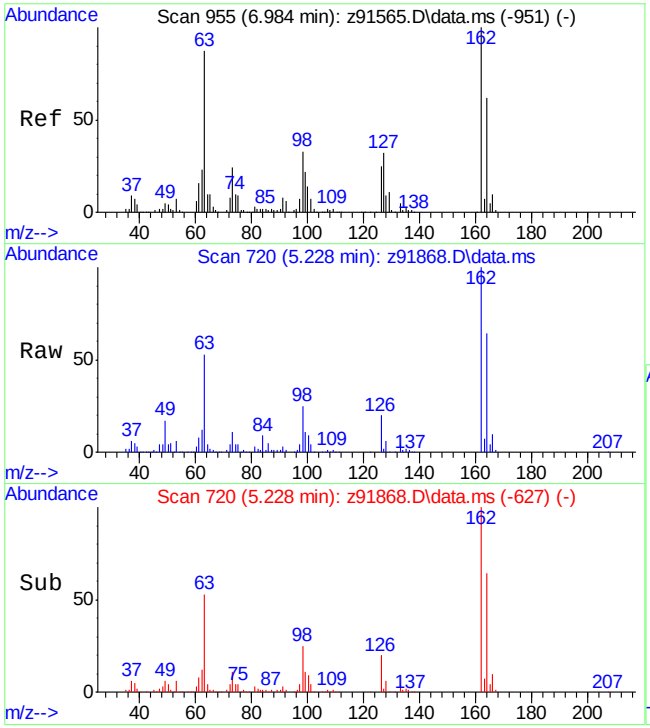


#33
2,4-Dichlorophenol
Concen: 49.30 ppb
RT: 4.972 min Scan# 672
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

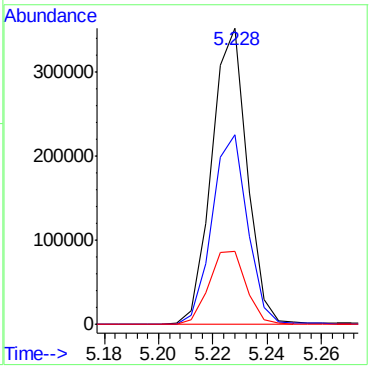


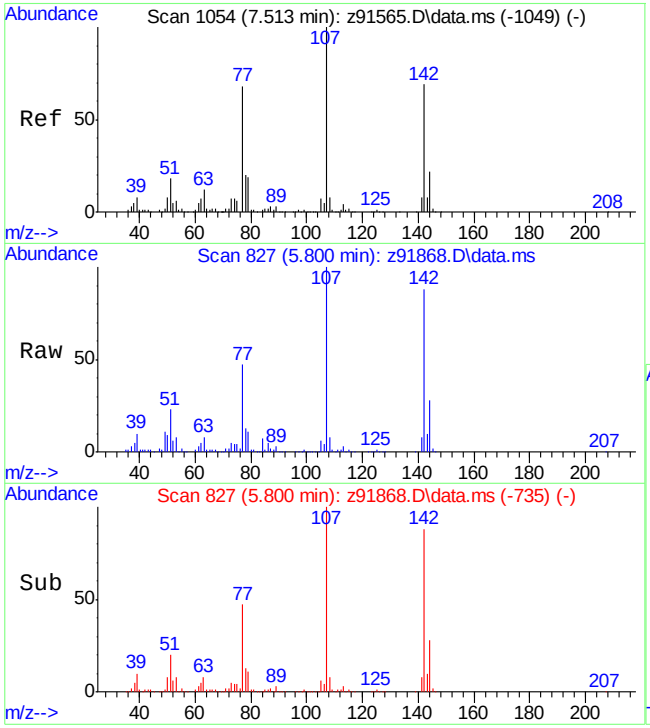


#34
2,6-Dichlorophenol
Concen: 49.32 ppb
RT: 5.228 min Scan# 720
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

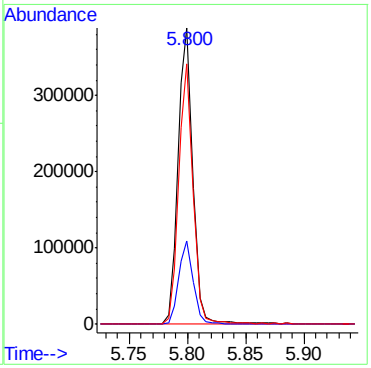


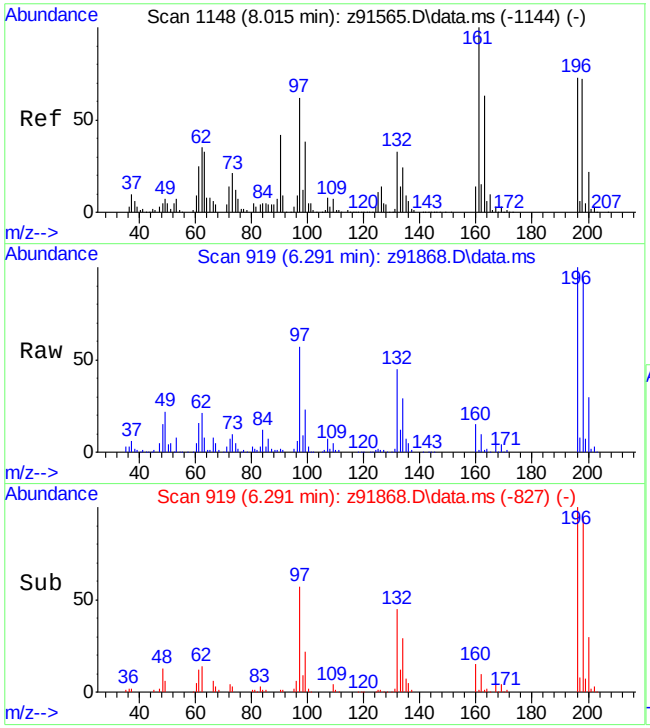


#43
4-Chloro-3-methylphenol
Concen: 48.25 ppb
RT: 5.800 min Scan# 827
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

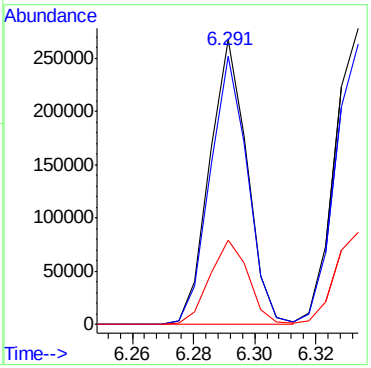


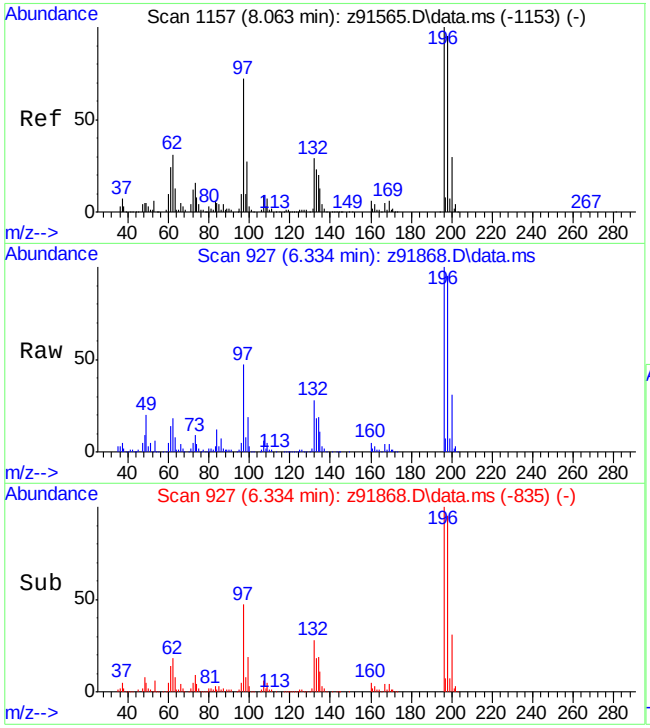


#49
2,4,6-Trichlorophenol
Concen: 50.63 ppb
RT: 6.291 min Scan# 919
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

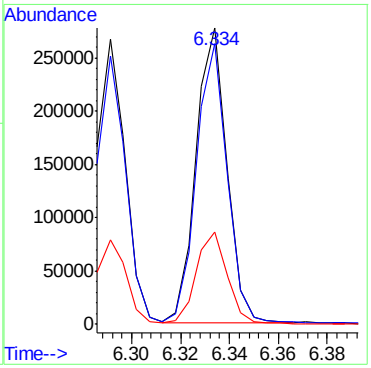


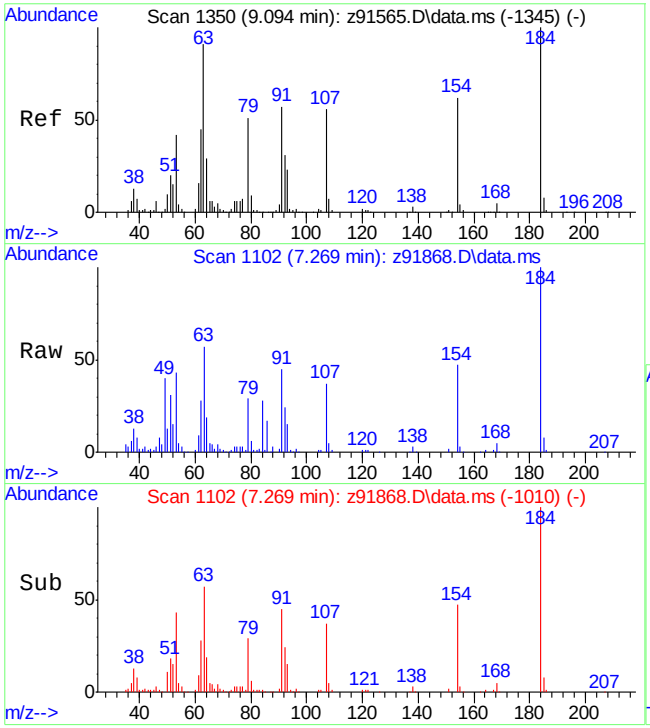


#50
2,4,5-Trichlorophenol
Concen: 50.76 ppb
RT: 6.334 min Scan# 927
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

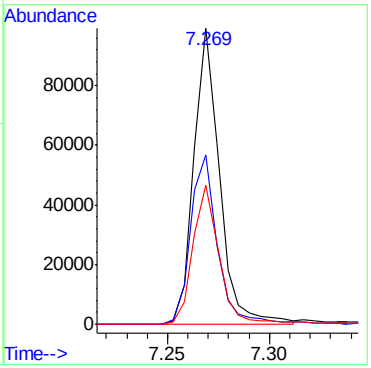


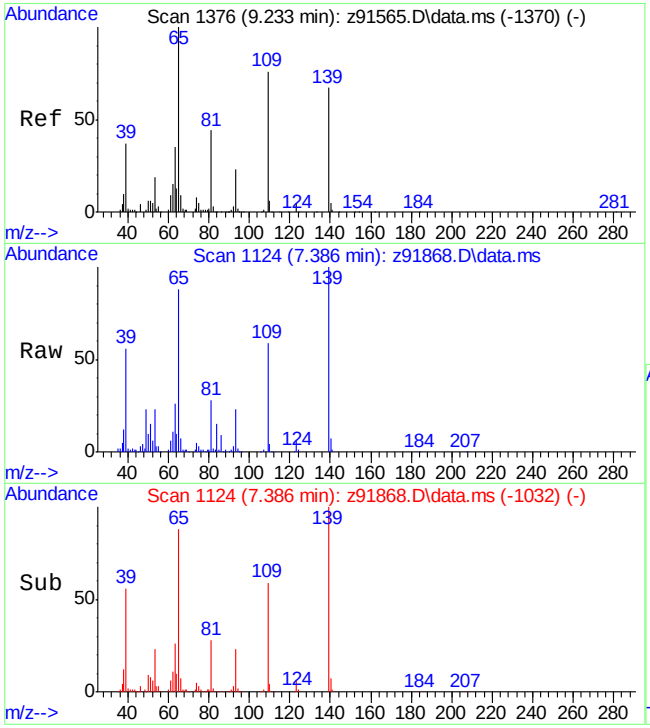


#60
2,4-Dinitrophenol
Concen: 44.53 ppb
RT: 7.269 min Scan# 1102
Delta R.T. -0.010 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

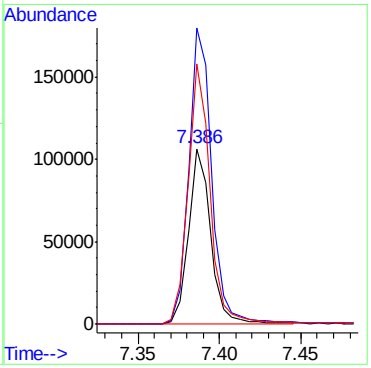


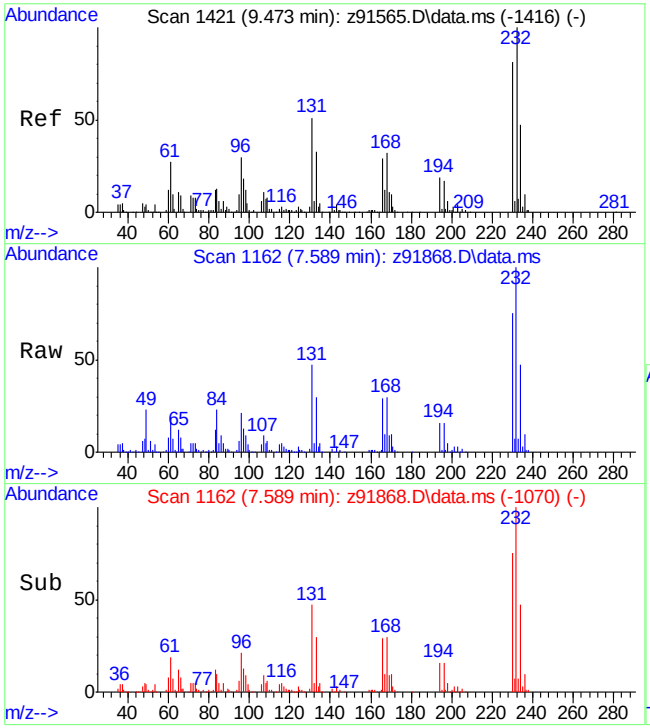


#61
4-Nitrophenol
Concen: 52.68 ppb
RT: 7.386 min Scan# 1124
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

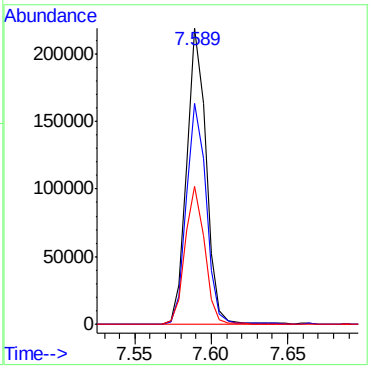


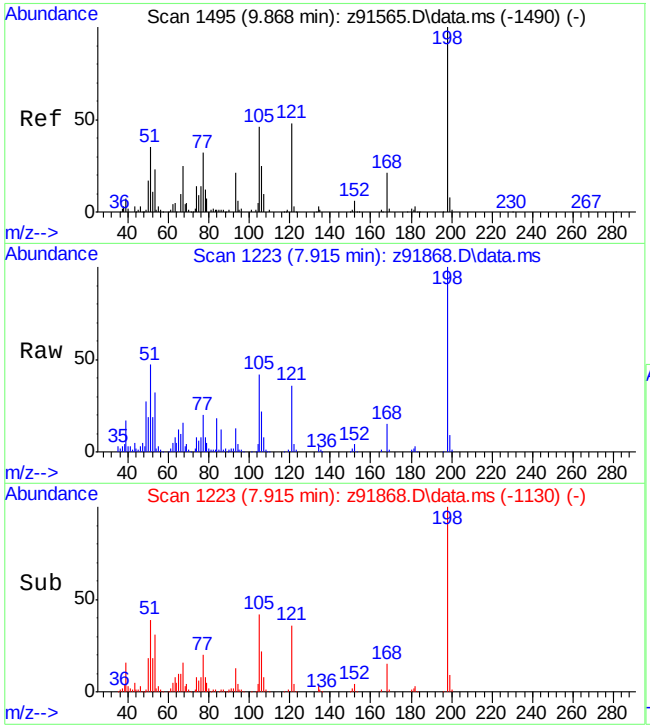


#64
2,3,4,6-Tetrachlorophenol
Concen: 49.90 ppb
RT: 7.589 min Scan# 1162
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

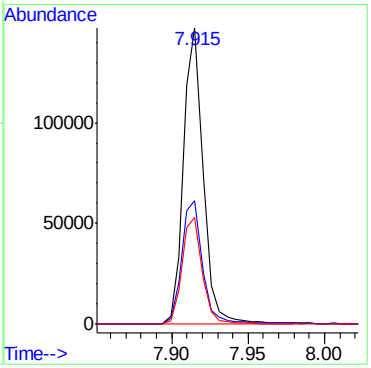


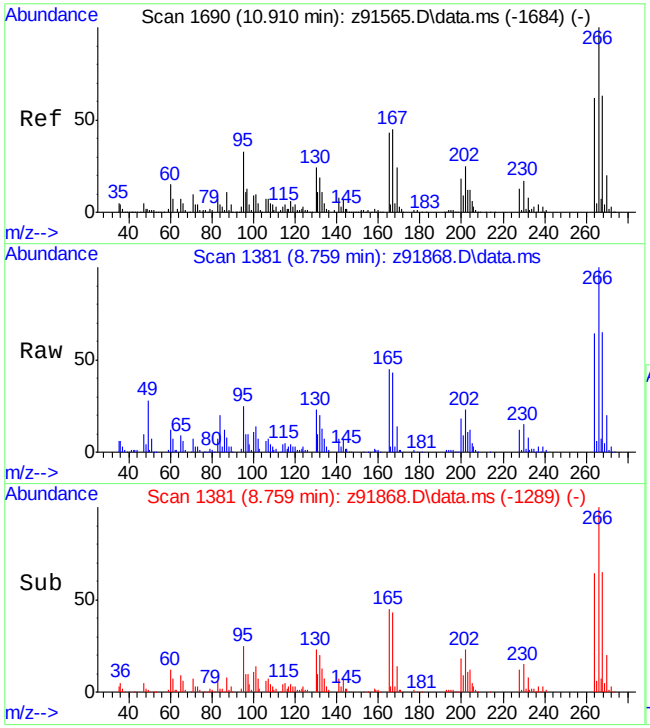


#70
4,6-Dinitro-2-methylphenol
Concen: 46.82 ppb
RT: 7.915 min Scan# 1223
Delta R.T. -0.005 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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

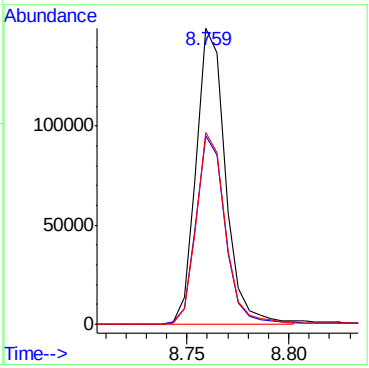




#76
Pentachlorophenol
Concen: 54.30 ppb
RT: 8.759 min Scan# 1381
Delta R.T. -0.011 min
Lab File: z91868.D
Acq: 27 May 2014 9:04 pm

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92216.D
Acq On : 6 Jun 2014 10:20 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4586
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 13:55:39 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.636	152	346671	40.00	ppb		0.00
24) Naphthalene-d8	4.977	136	1366032	40.00	ppb		0.00
47) Acenaphthene-d10	7.028	164	753504	40.00	ppb		0.00
69) Phenanthrene-d10	8.823	188	1295645	40.00	ppb		0.00
83) Chrysene-d12	12.542	240	1302280	40.00	ppb		0.00
92) Perylene-d12	14.588	264	1231103	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	3.636	152	346671	40.00	ppb		0.00
104) Phenanthrene-d10a	8.823	188	1295645	40.00	ppb		0.00
106) Chrysene-d12a	12.542	240	1302280	40.00	ppb		0.00
108) Acenaphthene-d10a	7.028	164	753504	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.562	112	582514	49.17	ppb		0.00
Spiked Amount 50.000			Recovery = 98.34%				
8) Phenol-d5	3.321	99	726141	48.67	ppb		0.00
Spiked Amount 50.000			Recovery = 97.34%				
25) Nitrobenzene-d5	4.197	82	641968	53.33	ppb		0.00
Spiked Amount 50.000			Recovery = 106.66%				
51) 2-Fluorobiphenyl	6.243	172	1166462	48.83	ppb		0.00
Spiked Amount 50.000			Recovery = 97.66%				
73) 2,4,6-Tribromophenol	7.985	330	195371	61.71	ppb		0.00
Spiked Amount 50.000			Recovery = 123.42%				
86) Terphenyl-d14	11.014	244	1399191	53.42	ppb		0.00
Spiked Amount 50.000			Recovery = 106.84%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.627	88	238013	40.10	ppb		98
3) Pyridine	1.798	79	631691	41.07	ppb		98
4) N-Nitrosodimethylamine	1.766	74	371861	44.73	ppb		85
6) Indene	3.893	116	1038054	44.22	ppb		97
7) Cumene	2.931	105	1493025	44.96	ppb		97
9) Phenol	3.337	94	801747	47.88	ppb	#	36
10) Aniline	3.337	93	700553	38.50	ppb	#	31
11) bis(2-Chloroethyl)ether	3.380	93	547406	46.64	ppb		99
12) 2-Chlorophenol	3.454	128	640485	47.98	ppb		98
13) Decane	3.476	43	652010	41.07	ppb		96
14) 1,3-Dichlorobenzene	3.583	146	696769	48.46	ppb		98
15) 1,4-Dichlorobenzene	3.652	146	696825	47.31	ppb		98
16) Benzyl alcohol	3.786	108	408151	50.76	ppb		95
17) 1,2-Dichlorobenzene	3.807	146	653222	47.32	ppb		100
18) Acetophenone	4.042	105	847610	44.17	ppb		91
19) 2-Methylphenol	3.914	108	539347	47.98	ppb		98
20) 2,2'-oxybis(1-Chloropr...	3.903	121	179076	46.18	ppb		97
21) 3&4-Methylphenol	4.069	108	599026	49.64	ppb		98
22) n-Nitroso-di-n-propyla...	4.042	70	421584	49.84	ppb		93
23) Hexachloroethane	4.144	201	232003	50.96	ppb		96
26) Nitrobenzene	4.218	77	666307	50.07	ppb		94
27) Quinoline	5.388	129	1244434	45.48	ppb		99
28) Isophorone	4.475	82	1109584	50.48	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92216.D
Acq On : 6 Jun 2014 10:20 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4586
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 13:55:39 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.560	139	339160	54.43	ppb		91
30) 2,4-Dimethylphenol	4.635	107	581255	55.93	ppb		97
31) Benzoic Acid	4.811	105	356552	61.31	ppb	#	64
32) bis(2-Chloroethoxy)met...	4.715	93	633832	47.43	ppb		100
33) 2,4-Dichlorophenol	4.843	162	493281	51.77	ppb		98
34) 2,6-Dichlorophenol	5.089	162	470185	50.32	ppb		99
35) 1,3,5-Trichlorobenzene	4.566	180	578389	43.54	ppb		98
36) 1,2,4-Trichlorobenzene	4.913	180	557687	49.15	ppb		98
37) 1,2,3-Trichlorobenzene	5.164	180	553536	44.06	ppb		99
38) Naphthalene	4.998	128	1775545	46.60	ppb		100
39) 4-Chloroaniline	5.084	127	671417	44.68	ppb		99
40) 2,3-Dichloroaniline	6.142	161	601999	46.15	ppb		98
41) Caprolactam	5.511	55	307078	48.38	ppb		97
42) Hexachlorobutadiene	5.153	225	313644	51.14	ppb		98
43) 4-Chloro-3-methylphenol	5.693	107	554977	54.82	ppb		99
44) 2-Methylnaphthalene	5.794	141	1009162	48.76	ppb		98
45) 1-Methylnaphthalene	5.912	141	1005589	44.10	ppb		98
46) Dimethylnaphthalene	6.537	156	1062110	45.97	ppb		99
48) Hexachlorocyclopentadiene	5.992	237	630802	105.90	ppb		99
49) 2,4,6-Trichlorophenol	6.158	196	359029	54.90	ppb		98
50) 2,4,5-Trichlorophenol	6.211	196	383502	55.29	ppb		99
52) 2-Chloronaphthalene	6.366	162	1100454	49.09	ppb		97
53) Biphenyl	6.355	154	1430709	44.89	ppb		99
54) 2-Nitroaniline	6.516	65	373744	60.80	ppb		91
55) Dimethylphthalate	6.745	163	1213890	50.71	ppb		100
56) Acenaphthylene	6.857	152	1797027	51.03	ppb		100
57) 2,6-Dinitrotoluene	6.809	165	293346	59.79	ppb		99
58) 3-Nitroaniline	7.018	138	331470	53.47	ppb		96
59) Acenaphthene	7.066	153	1080110	48.48	ppb		99
60) 2,4-Dinitrophenol	7.135	184	334586	100.07	ppb		81
61) 4-Nitrophenol	7.296	109	193877	69.11	ppb	#	70
62) Dibenzofuran	7.280	168	1522635	49.26	ppb		92
63) 2,4-Dinitrotoluene	7.290	165	401627	59.98	ppb		66
64) 2,3,4,6-Tetrachlorophenol	7.450	232	319289	56.86	ppb		98
65) Diethylphthalate	7.595	149	1256365	53.92	ppb		99
66) Fluorene	7.686	166	1225480	50.69	ppb		98
67) 4-Chlorophenyl-phenyle...	7.702	204	561943	49.68	ppb		92
68) 4-Nitroaniline	7.760	138	335888	54.05	ppb		90
70) 4,6-Dinitro-2-methylph...	7.782	198	241739	58.13	ppb		96
71) n-Nitrosodiphenylamine	7.856	169	848090	51.67	ppb		99
72) 1,2-Diphenylhydrazine	7.894	77	1327184	51.99	ppb		98
74) 4-Bromophenyl-phenylether	8.284	248	339046	50.96	ppb		90
75) Hexachlorobenzene	8.353	284	409078	51.54	ppb		97
76) Pentachlorophenol	8.620	266	477324	118.27	ppb		98
77) Phenanthrene	8.850	178	1824475	48.41	ppb		100
78) Anthracene	8.914	178	1849766	50.64	ppb		100
79) Carbazole	9.149	167	1746831	46.17	ppb		99
80) Di-n-butylphthalate	9.641	149	2135696	57.47	ppb		99
81) Fluoranthene	10.431	202	1935537	52.75	ppb		96
82) Octadecane	8.749	57	851456	47.86	ppb		96

ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92216.D
Acq On : 6 Jun 2014 10:20 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4586
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 13:55:39 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 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.747	202	2046035	51.53	ppb	96
85) Butyl stearate	11.917	56	622275	58.05	ppb	99
87) Butylbenzylphthalate	11.778	149	973164	60.77	ppb	100
88) Benzo[a]anthracene	12.526	228	1910579	53.35	ppb	99
89) 3,3'-Dichlorobenzidine	12.536	252	689566	58.57	ppb	99
90) Chrysene	12.579	228	1767244	49.71	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.681	149	1337729	61.51	ppb	99
93) Di-n-octylphthalate	13.637	149	2359481	56.31	ppb	99
94) Benzo[b]fluoranthene	14.080	252	2009149	54.76	ppb	98
95) Benzo[k]fluoranthene	14.123	252	1819551	48.02	ppb	96
96) Benzo[a]pyrene	14.508	252	1726256	52.97	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.019	276	1803687	57.37	ppb	94
98) Dibenz(a,h)acridine	15.699	279	1575168	51.46	ppb	100
99) Dibenz[a,h]anthracene	16.057	278	1755362	52.95	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.086	256	889769	62.28	ppb	100
101) Benzo[g,h,i]perylene	16.425	276	1674004	51.11	ppb	95

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

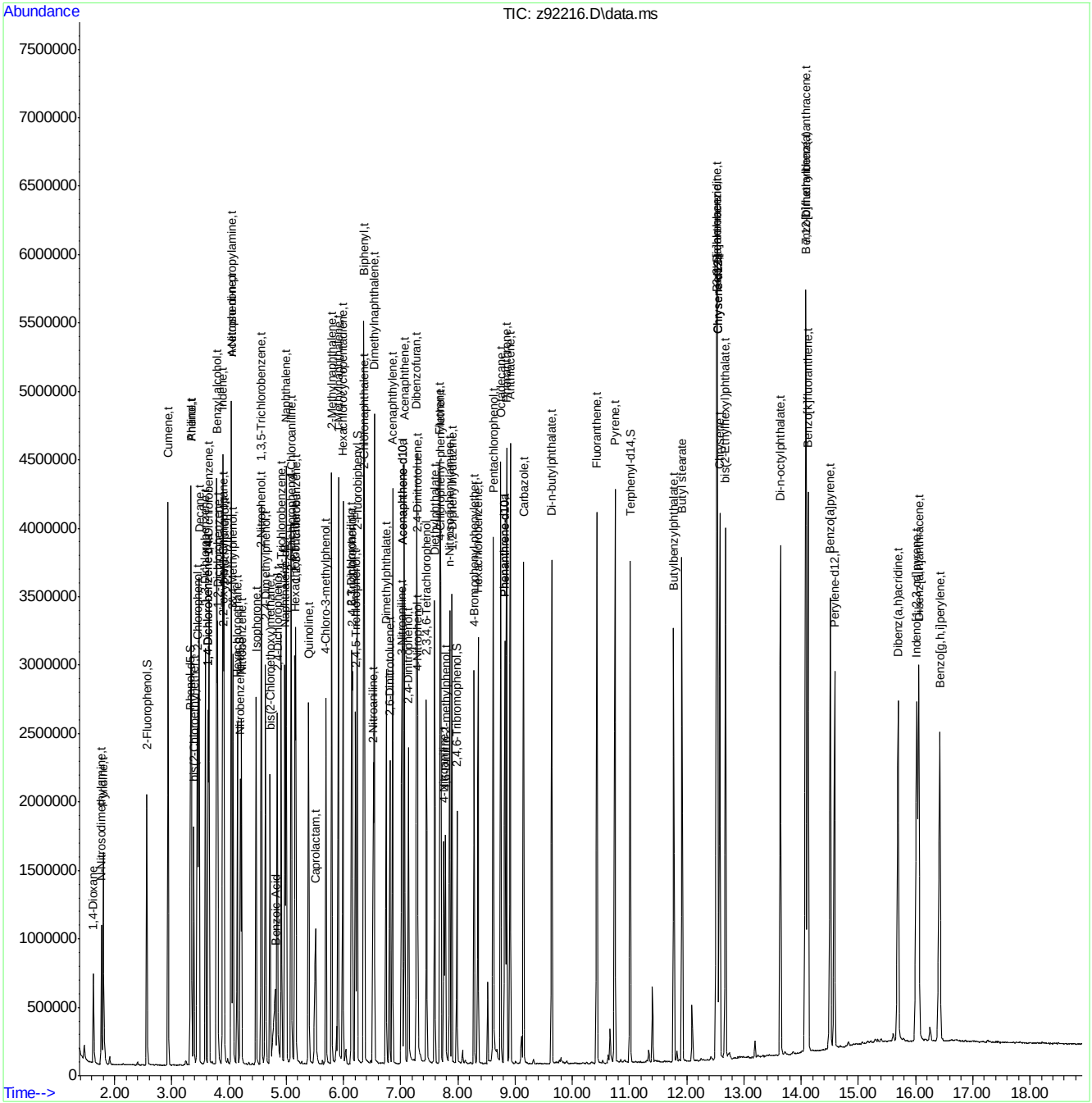
9.6.57

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92216.D
Acq On : 6 Jun 2014 10:20 am
Operator : ashleyv
Sample : cc4569-50
Misc : op73791,ez4586
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 13:55:39 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 06 13:55:00 2014
Response via : Initial Calibration



9.6.57

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92217.D
Acq On : 6 Jun 2014 10:48 am
Operator : ashleyv
Sample : cc4571-50
Misc : op73791,ez4586
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 13:57:40 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 06 13:55:00 2014
Response via : Initial Calibration

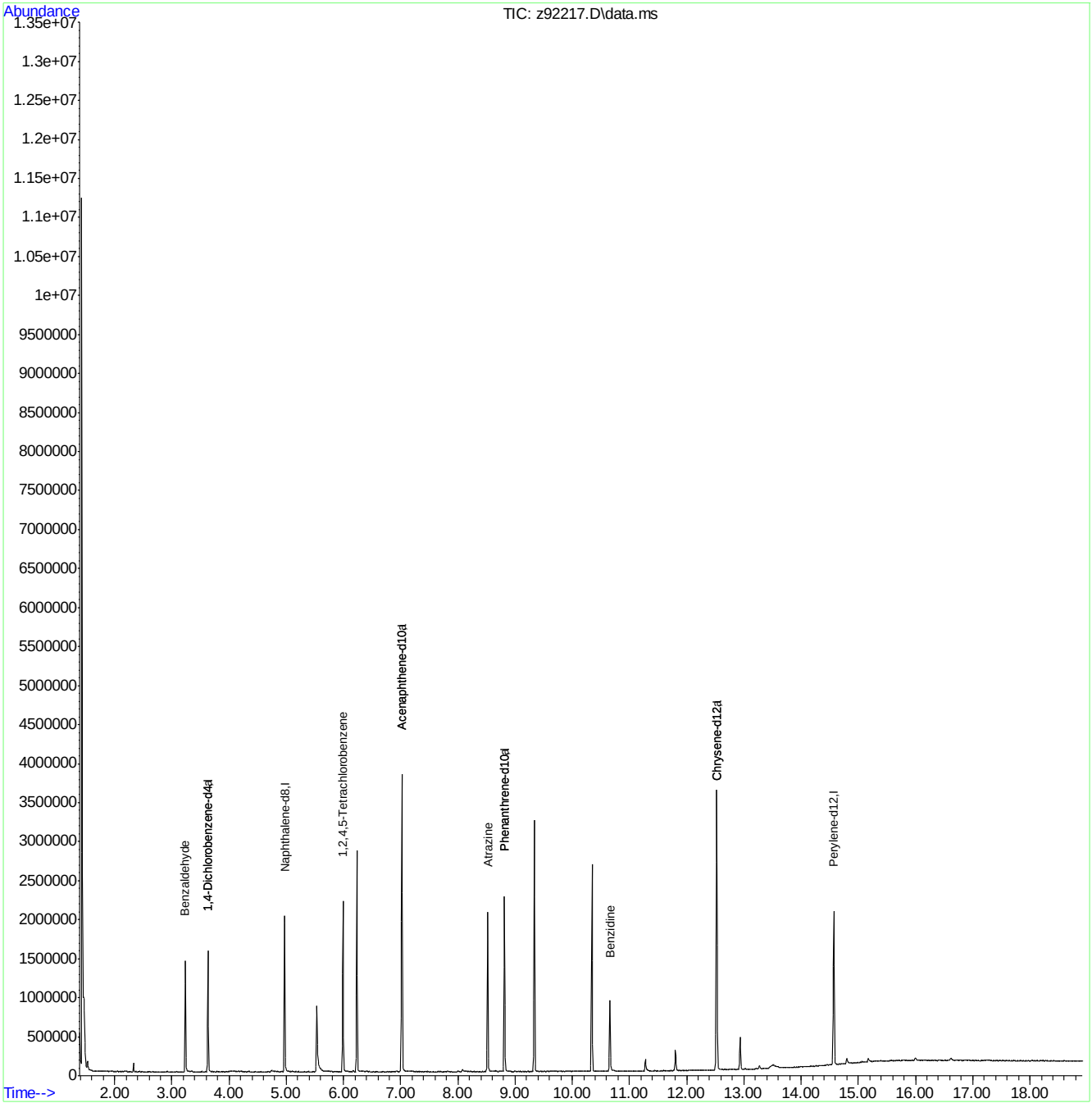
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.636	152	230709	40.00	ppb		0.00
24) Naphthalene-d8	4.972	136	929762	40.00	ppb		0.00
47) Acenaphthene-d10	7.023	164	503202	40.00	ppb		0.00
69) Phenanthrene-d10	8.813	188	872645	40.00	ppb		-0.01
83) Chrysene-d12	12.531	240	898121	40.00	ppb		-0.01
92) Perylene-d12	14.577	264	851944	40.00	ppb		-0.01
102) 1,4-Dichlorobenzene-d4a	3.636	152	230709	40.00	ppb		0.00
104) Phenanthrene-d10a	8.813	188	872645	40.00	ppb		-0.01
106) Chrysene-d12a	12.531	240	898121	40.00	ppb		-0.01
108) Acenaphthene-d10a	7.023	164	503202	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%			
Target Compounds							Qvalue
103) Benzaldehyde	3.236	105	251872	46.50	ppb		84
105) Atrazine	8.524	215	122938	61.38	ppb	#	75
107) Benzidine	10.661	184	441358	47.87	ppb		98
109) 1,2,4,5-Tetrachloroben...	5.992	216	351832	57.92	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4586\
Data File : z92217.D
Acq On : 6 Jun 2014 10:48 am
Operator : ashleyv
Sample : cc4571-50
Misc : op73791,ez4586
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 13:57:40 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 06 13:55:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92287.D
Acq On : 9 Jun 2014 9:23 am
Operator : ashleyv
Sample : cc4569-25
Misc : op73791,ez4589
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:44:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	3.615	152	318966	40.00	ppb		-0.02
24) Naphthalene-d8	4.950	136	1217330	40.00	ppb		-0.03
47) Acenaphthene-d10	7.002	164	660115	40.00	ppb		-0.03
69) Phenanthrene-d10	8.791	188	1096125	40.00	ppb		-0.03
83) Chrysene-d12	12.504	240	1133609	40.00	ppb		-0.04
92) Perylene-d12	14.550	264	1071496	40.00	ppb		-0.04
102) 1,4-Dichlorobenzene-d4a	3.615	152	318966	40.00	ppb		-0.02
104) Phenanthrene-d10a	8.791	188	1096125	40.00	ppb		-0.03
106) Chrysene-d12a	12.504	240	1133609	40.00	ppb		-0.04
108) Acenaphthene-d10a	7.002	164	660115	40.00	ppb		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	2.546	112	277412	25.45	ppb		-0.02
Spiked Amount 50.000			Recovery =	50.90%			
8) Phenol-d5	3.305	99	345469	25.16	ppb		-0.02
Spiked Amount 50.000			Recovery =	50.32%			
25) Nitrobenzene-d5	4.176	82	295955	27.59	ppb		-0.02
Spiked Amount 50.000			Recovery =	55.18%			
51) 2-Fluorobiphenyl	6.217	172	529309	25.29	ppb		-0.03
Spiked Amount 50.000			Recovery =	50.58%			
73) 2,4,6-Tribromophenol	7.958	330	81086	30.27	ppb		-0.03
Spiked Amount 50.000			Recovery =	60.54%			
86) Terphenyl-d14	10.982	244	597062	26.19	ppb		-0.03
Spiked Amount 50.000			Recovery =	52.38%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.622	88	120546	22.07	ppb		98
3) Pyridine	1.782	79	311386	22.01	ppb		93
4) N-Nitrosodimethylamine	1.756	74	182448	23.85	ppb		80
6) Indene	3.871	116	502743	23.28	ppb		99
7) Cumene	2.915	105	716103	23.44	ppb		99
9) Phenol	3.316	94	390717	25.36	ppb	#	29
10) Aniline	3.316	93	378089	22.58	ppb	#	32
11) bis(2-Chloroethyl)ether	3.358	93	267002	24.72	ppb		99
12) 2-Chlorophenol	3.433	128	300768	24.49	ppb		98
13) Decane	3.455	43	344102	23.56	ppb		92
14) 1,3-Dichlorobenzene	3.561	146	329107	24.88	ppb		97
15) 1,4-Dichlorobenzene	3.631	146	332621	24.55	ppb		99
16) Benzyl alcohol	3.759	108	191803	25.93	ppb		90
17) 1,2-Dichlorobenzene	3.786	146	309386	24.36	ppb		97
18) Acetophenone	4.016	105	403071	22.83	ppb		95
19) 2-Methylphenol	3.893	108	254559	24.61	ppb		99
20) 2,2'-oxybis(1-Chloropr...	3.882	121	89583	25.11	ppb	#	88
21) 3&4-Methylphenol	4.053	108	275110	24.78	ppb		98
22) n-Nitroso-di-n-propyla...	4.016	70	207473	26.66	ppb		88
23) Hexachloroethane	4.122	201	107687	25.71	ppb		96
26) Nitrobenzene	4.192	77	322929	27.23	ppb		91
27) Quinoline	5.356	129	558574	22.91	ppb		99
28) Isophorone	4.443	82	533594	27.24	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92287.D
Acq On : 9 Jun 2014 9:23 am
Operator : ashleyv
Sample : cc4569-25
Misc : op73791,ez4589
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:44:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2-Nitrophenol	4.534	139	156663	28.21	ppb		93
30) 2,4-Dimethylphenol	4.614	107	253747	27.40	ppb		96
31) Benzoic Acid	4.753	105	195470	37.72	ppb	#	63
32) bis(2-Chloroethoxy)met...	4.694	93	294861	24.76	ppb		99
33) 2,4-Dichlorophenol	4.822	162	222646	26.22	ppb		98
34) 2,6-Dichlorophenol	5.063	162	216405	25.99	ppb		100
35) 1,3,5-Trichlorobenzene	4.544	180	272735	23.04	ppb		98
36) 1,2,4-Trichlorobenzene	4.892	180	257382	25.45	ppb		97
37) 1,2,3-Trichlorobenzene	5.143	180	255428	22.82	ppb		98
38) Naphthalene	4.972	128	828729	24.41	ppb		99
39) 4-Chloroaniline	5.057	127	331792	24.78	ppb		96
40) 2,3-Dichloroaniline	6.115	161	271362	23.34	ppb		98
41) Caprolactam	5.442	55	139403	24.64	ppb		95
42) Hexachlorobutadiene	5.127	225	149468	27.35	ppb		98
43) 4-Chloro-3-methylphenol	5.666	107	244512	27.10	ppb		97
44) 2-Methylnaphthalene	5.773	141	468509	25.40	ppb		98
45) 1-Methylnaphthalene	5.885	141	461009	22.69	ppb		98
46) Dimethylnaphthalene	6.510	156	476590	23.15	ppb		98
48) Hexachlorocyclopentadiene	5.965	237	268962	51.54	ppb		100
49) 2,4,6-Trichlorophenol	6.131	196	156445	27.31	ppb		97
50) 2,4,5-Trichlorophenol	6.184	196	164799	27.12	ppb		97
52) 2-Chloronaphthalene	6.339	162	505051	25.72	ppb		96
53) Biphenyl	6.329	154	645797	23.13	ppb		99
54) 2-Nitroaniline	6.489	65	173725	32.26	ppb		88
55) Dimethylphthalate	6.713	163	533676	25.45	ppb		99
56) Acenaphthylene	6.831	152	800452	25.95	ppb		100
57) 2,6-Dinitrotoluene	6.777	165	126759	29.49	ppb		96
58) 3-Nitroaniline	6.986	138	146472	26.97	ppb		86
59) Acenaphthene	7.039	153	479981	24.59	ppb		98
60) 2,4-Dinitrophenol	7.109	184	116398	46.40	ppb		80
61) 4-Nitrophenol	7.274	109	76341	31.06	ppb		84
62) Dibenzofuran	7.248	168	689950	25.48	ppb		83
63) 2,4-Dinitrotoluene	7.264	165	175307	29.88	ppb		83
64) 2,3,4,6-Tetrachlorophenol	7.424	232	133959	27.23	ppb		98
65) Diethylphthalate	7.563	149	545732	26.73	ppb		99
66) Fluorene	7.659	166	549726	25.96	ppb		100
67) 4-Chlorophenyl-phenyle...	7.675	204	247073	24.93	ppb		91
68) 4-Nitroaniline	7.723	138	150132	27.58	ppb		87
70) 4,6-Dinitro-2-methylph...	7.750	198	89976	25.57	ppb		93
71) n-Nitrosodiphenylamine	7.825	169	357991	25.78	ppb		99
72) 1,2-Diphenylhydrazine	7.862	77	590091	27.32	ppb		92
74) 4-Bromophenyl-phenylether	8.257	248	144764	25.72	ppb		89
75) Hexachlorobenzene	8.327	284	178496	26.58	ppb		99
76) Pentachlorophenol	8.588	266	178209	52.19	ppb		98
77) Phenanthrene	8.818	178	789792	24.77	ppb		99
78) Anthracene	8.882	178	803314	25.99	ppb		100
79) Carbazole	9.117	167	747096	23.34	ppb		99
80) Di-n-butylphthalate	9.609	149	906510	28.83	ppb		99
81) Fluoranthene	10.400	202	831067	26.77	ppb		95
82) Octadecane	8.722	57	398680	26.49	ppb		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92287.D
Acq On : 9 Jun 2014 9:23 am
Operator : ashleyv
Sample : cc4569-25
Misc : op73791,ez4589
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:44:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	10.709	202	879019	25.43	ppb	98
85) Butyl stearate	11.885	56	277621	29.75	ppb	95
87) Butylbenzylphthalate	11.740	149	403983	28.98	ppb	95
88) Benzo[a]anthracene	12.488	228	818417	26.25	ppb	99
89) 3,3'-Dichlorobenzidine	12.499	252	306409	29.90	ppb	97
90) Chrysene	12.542	228	773647	25.00	ppb	99
91) bis(2-Ethylhexyl)phtha...	12.649	149	554489	29.29	ppb	100
93) Di-n-octylphthalate	13.605	149	967157	29.13	ppb	97
94) Benzo[b]fluoranthene	14.038	252	873500	27.36	ppb	98
95) Benzo[k]fluoranthene	14.075	252	824983	25.01	ppb	99
96) Benzo[a]pyrene	14.470	252	761140	26.83	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.966	276	777133	28.40	ppb	99
98) Dibenz(a,h)acridine	15.646	279	700233	26.28	ppb	99
99) Dibenz[a,h]anthracene	16.004	278	790759	27.40	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.038	256	361505	29.07	ppb	96
101) Benzo[g,h,i]perylene	16.361	276	760226	26.67	ppb	95

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

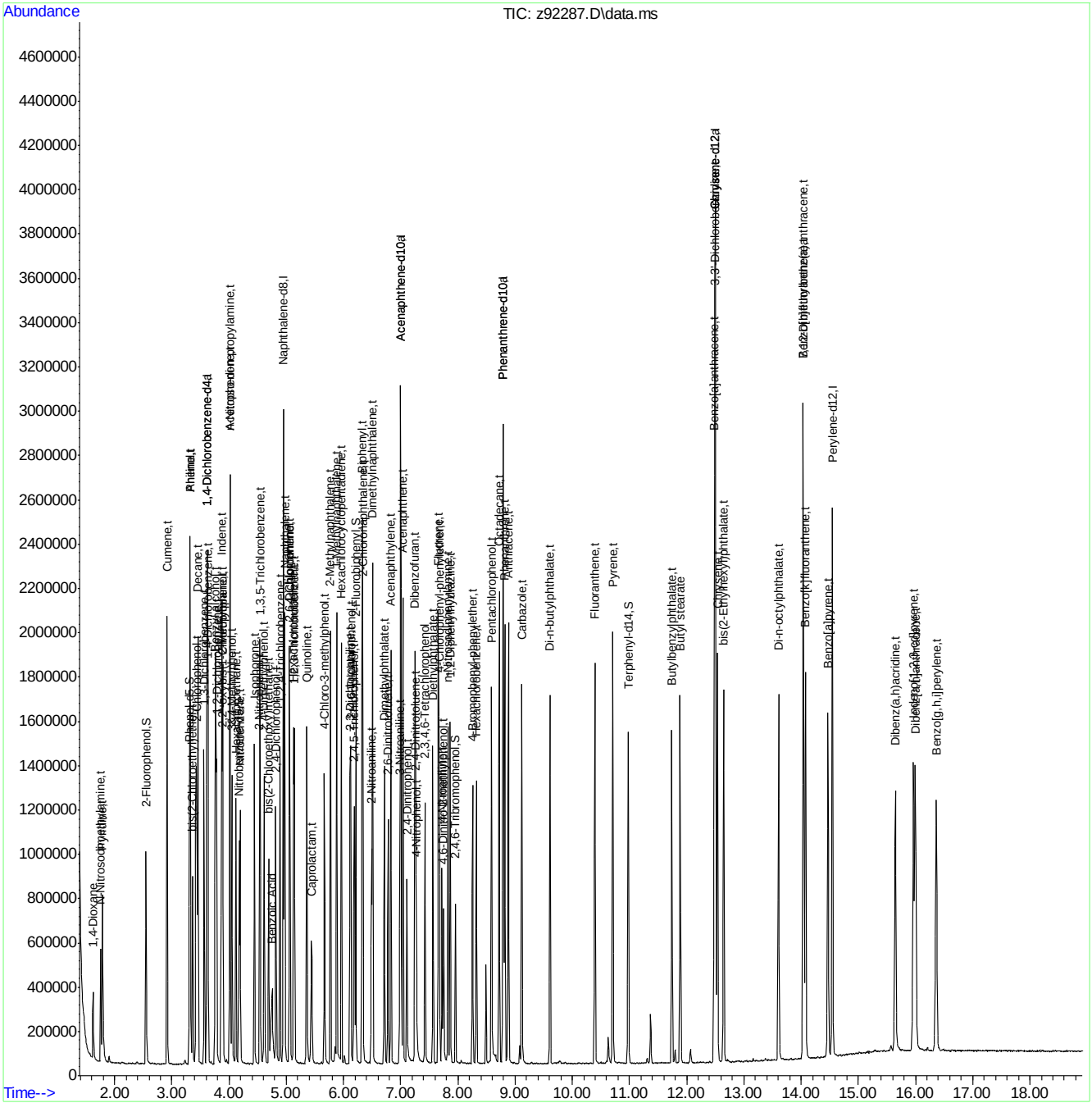
9.6.59

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92287.D
Acq On : 9 Jun 2014 9:23 am
Operator : ashleyv
Sample : cc4569-25
Misc : op73791,ez4589
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 09:44:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB67976

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92288.D
Acq On : 9 Jun 2014 9:49 am
Operator : ashleyv
Sample : cc4571-25
Misc : op73791,ez4589
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 09:32:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration

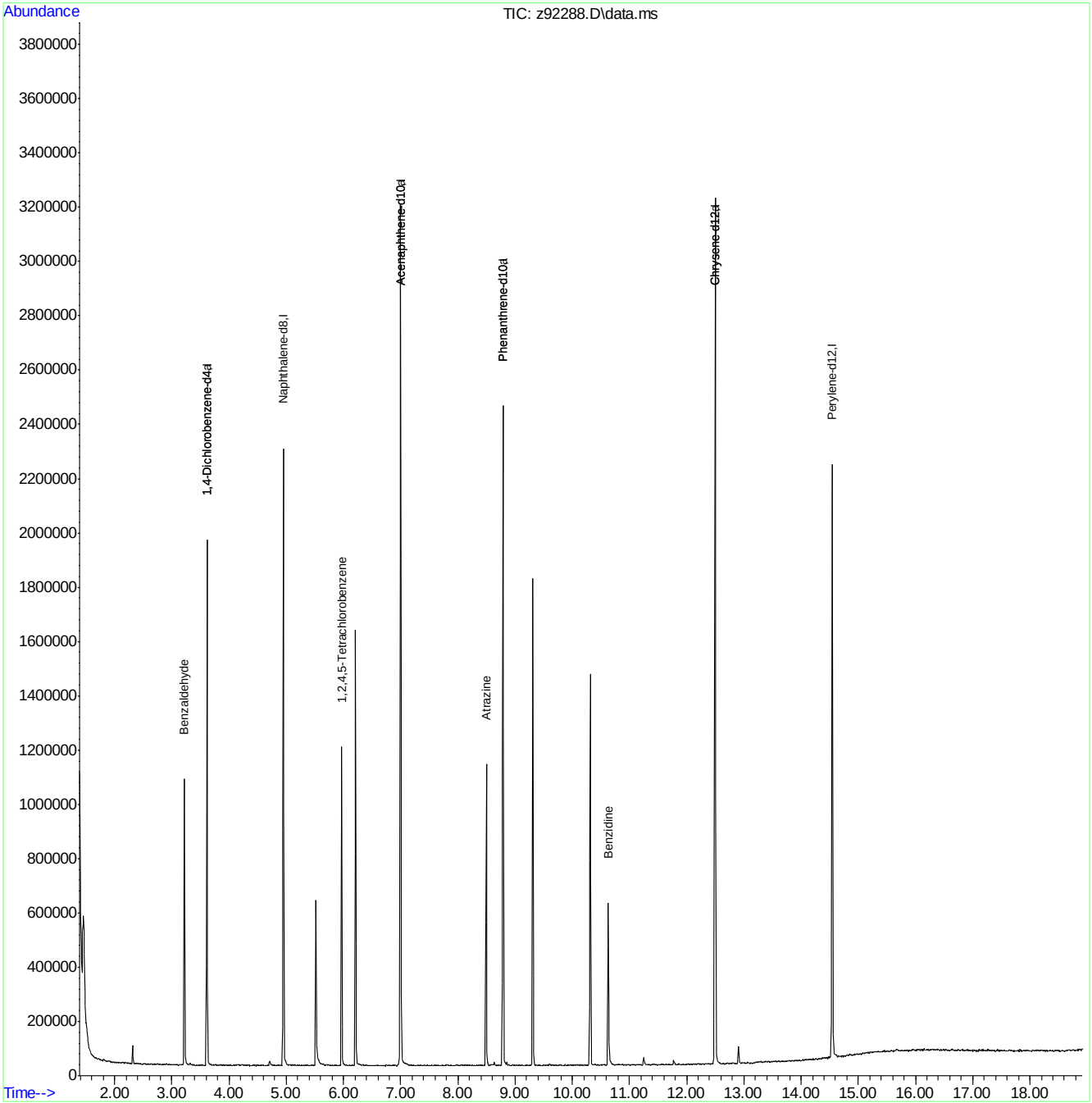
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	3.615	152	264942	40.00	ppb	-0.02
24) Naphthalene-d8	4.950	136	1035830	40.00	ppb	-0.03
47) Acenaphthene-d10	7.002	164	559260	40.00	ppb	-0.03
69) Phenanthrene-d10	8.791	188	931558	40.00	ppb	-0.03
83) Chrysene-d12	12.499	240	978984	40.00	ppb	-0.04
92) Perylene-d12	14.545	264	966430	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4a	3.615	152	264942	40.00	ppb	-0.02
104) Phenanthrene-d10a	8.791	188	931558	40.00	ppb	-0.03
106) Chrysene-d12a	12.499	240	978984	40.00	ppb	-0.04
108) Acenaphthene-d10a	7.002	164	559260	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.214	105	186955	30.06	ppb	84
105) Atrazine	8.497	215	65093	27.15	ppb #	77
107) Benzidine	10.629	184	272969	27.16	ppb	99
109) 1,2,4,5-Tetrachloroben...	5.971	216	192351	28.49	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\ez4589\
Data File : z92288.D
Acq On : 9 Jun 2014 9:49 am
Operator : ashleyv
Sample : cc4571-25
Misc : op73791,ez4589
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 09:32:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\MZ4569.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Fri Jun 06 13:55:00 2014
Response via : Initial Calibration



ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2P1539

Analyst Signature: AMO

Date: 5-28-14

Columns: RTX-5MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method M2P1539

Injection Volume: 1uL

Standard Data

Lot #	Description	Conc.
SV1491362-116	BNA	25/ 10/ 5/ 2/ 1

Standard Data

Lot #	Description	Conc.
SV1381281-93	DFTPP	50ppm
SV1491362-116	BNA	100/ 80/ 50
CK2433	internal std.	3000ppm
DKS47	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: CA Date: 5-29-14

LR	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2P36997	DFTPP				1					not using	SIV 492 ↑ return.
	36998	DFTPP				1					↓	SIV 492 ↑ return.
	36999	DFTPP				1					ok	643pm
	37000	blank				2					test	test only.
	37001	ICC1539-50		BNA	W	2					ok	
	37002	ICIS39-25		BNA	W	3					ok	
	37003	-100				4					ok	
	37004	-80				5					ok	
	37005	-10				6					ok	
	37006	-5				7					ok	
	37007	-2				8					ok	
	37008	-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.

129

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

6

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2P1540

Date: 5-29-14

Analyst Signature: CA

Standard Data

Lot #	Description	Conc.
SV141362-136	TCL42	50ppm
	↓ ↓	20ppm
		10ppm
CLC333	IS	4000ppm
DLC547	DCB Nap	—

Standard Data

Lot #	Description	Conc.
SV131282-140	DFTPP	50ppm
SV141362-136	TCL42	100ppm
		80ppm
		50ppm
		25ppm
	↓ ↓	10ppm

Columns: MX-5ms 30m x0.25mmx0.25µm

Method 8270/625

Initial Cal. Method E2P1539

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: AMO

Date: 5-29-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
E2P37009	DFTPP			W	1					OK	8:58 acep
37010	IC1540-100		TCL42		2					OK	
37011	IC1540-80				3					OK	
37012	IC1540-50				4					OK	
37013	IC1540-25				5					OK	
37014	IC1540-10				6					OK	
37015	IC1540-5				7					OK	
37016	IC1540-2				8					OK	
37017	IC1540-1				9					OK	
37018	ICV1539-50		Abn srch		10					OK	OP141177-33
37019	ICV1539-50		BN2		11					OK	-43
37020	ICV1539-50		BN1		12					OK	-17
37021	ICV1539-50		acids		13					not integ	-29
37022	ICV1539-50		Anilines		14					OK	OP141177-61
37023	ICV 1539-10		3,3DCB		15					OK	SV141362-72B
37024	ICV 1540-50		HQ		16					OK	OP141130-141

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: E2P1541

Date: 5/29/14

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV131702193	DFTPP	50ppm
CK2933	Internal Std.	4000ppm
DIC547	DCM(HW)	

Columns: RTx5MS 30m x .25mm x .25μm

Method 8270/625

Initial Cal. Method M2P1539

Injection Volume: 1 μL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: OA

Date: 5-30-14

LR	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2P37025	DFTPP				1					not using.	pdf tailing change liner
	37026	DFTPP				1					OK	5:34 pm remake
	37027	ICV1539-50		acid.	W	2					not using	50ppm SV141117771
	37028	ICV1539-50		acid	W	3					OK	50ppm SV141117771

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

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2P1551

Date: 6/5/19

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.
	AMD	
	6/5/19	

Standard Data

Lot #	Description	Conc.
SVM1362119	DFTPP	50 ppm
SVM1362115	BNA	25 ppm
SVM1362118	TCL42	25 ppm
SVCK2933	Internal Std.	400 ppm
DK547	DCM CHW	—

Columns: RTX5MSi 30m x 25mm x 0.25µm

Method 8270/625

Initial Cal. Method M2P1539

Injection Volume: 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: 6-10-19

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
2P37273	DFTPP				1					retuning	127↑ bake rerun
37274	DFTPP AMD 6/5/19				1						127↑ retune
37275	~~CCIS39-25~~ DFTPP	+			~~2~~ 1						127↑ retune
37276	DFTPP				1					↓	127↑ retune
77	DFTPP				1			-		not using	change bottle 127↑
78	DFTPP				1					not run	not run tune error
79	DFTPP				1					ok	1109 pm.
80	CCIS39-25		BNA	W	2					ok	
81	CCIS40-25		TCL42	W	3					ok	
82	OP75345mb1	253451	ABS270	S	4		+	\	\	ok	
83	-1S1		↓		5			\	\	ok	
84	JB67969-1 rx		ABPPL+		6		+	\	\	ok	
85	JB67976-3		ABTCL20		7			\	\	ok	
86	JB67999-7A		ABTCL20+		8		+	\	↓	ok	confirmed w/orig
87	-21A		↓		9		+	\	\	ok	
88	JB68100-5A		ABTCL20+		10		+	\	\	ok	
89	-9A	↓	↓		11		+	\	\	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
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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2P1551

Date: 6/5/14

Analyst Signature: AWD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 167	

Columns: RTX5MS 30m x 25mm x .25 µm

Method 8270/625

Initial Cal. Method M2P1539

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: JS Date: 6-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2P37290	OP75345 ms	75345-1	ABS270	S	12			\	\	OK	
	91	-msd		↓		13			\	\	OK	
	92	JB67991-17 RX		ABTC42		14			\	\	OK	
	93	-18				15			\	\	OK	
	94	-19				16			\	\	OK	
	95	-20				17			\	\	OK	
	96	-14				18			\	\	OK	
	97	-15		↓		19			\	\	OK	
	98	JB68100-12A		ABTC20+		20		+	\	\	OK	
	99	JB68704		ABTCU1		21		+	/	\	OK	Vf=5 RR1:10+1:2
	2P37300	- -2				22		+	\	\	OK	Vf=10
	01	-3				23		+	3↓	\	OK	Vf=5
	02	-4				24		+	3↓	\	OK	Vf=5 ↓
	03	JB68153-1		PAH		25			X		RR	RR carryover
	04	JB68072-2		ABTCU2		26		+	1,2↓	\	OK	Vf=5 RR1:10

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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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

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SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2p1552

Date: 6-6-14

Analyst Signature: AS

Columns: RTXImsi 30mp 25mg 25u

Method 8270/625

Initial Cal. Method m2p 1539

Injection Volume: 1uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621B	DFTPP	50ng/uL
115	BNA	
82	TCL42	↓
CK2933	IS.	4000ppm
DK547	DCB	HS

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6/9/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	2p37311	DFTPP			W	1					ok	11:14 am
	312	CC1539-50				2					ok	
	313	CC1540-50				3					ok	
	314	2p75292-mb1	75292	ABN	S	4		+			ok	
	315	-BS				5					ok	
	316	2p75259-mb1 JB68157-1	75259	ABN	S	6		+			ok	
	317	JB68152-1		ABTCL11		7		+			ok	
	318	JB68[illegible]976-1	75292	ABTCL20	S	8					ok	
	319	-2				9					ok	
	320	-4				10					ok	
	321	-5				11					ok	
	322	-8				12					ok	
	323	-9				13					ok	
	324	-10				14					ok	
	325	-11				15					ok	
	326	-12				16					ok	
	327	JB68027-1		ABTCL11		17		+	ok		ok	FV 5 RR1.5+1.50

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:
1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

rm: OR015-05
ev. Date: 1/16/2006

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E2P1552

Date: 6/6/14

Analyst Signature:

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
	Surr 25	

Columns: RTx5ms 30m 25mg 25u

Method 8270D625

Initial Cal. Method #2 p 539

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 6/9/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
1	2p1552 328	JB68027-3	75292	ABTCL11	S	18		+	2,6 ↓	\	OK	RR1:10+100x RR for CFI FVS
	329	-4				19		+	✓	\	OK	RR1:10+1:100 FVS RR 10+100x RR for CFI
	330	-5				20		+	2,6 ↓	↓	OK	FVS
	331	-6				21		+	✓	\	OK	RR1:5+1:50 FVS
	332	-7				22		+	2,6 ↓	\	OK	RR10+100x FVS
	333	-8				23		+	✓	\	OK	RR1:2 for CFI FVS
	334	-9				24		+	all ↓	\	OK	RR1:2 for CFI RR 10:3627 RR
	335	-10				25		+	all ↓	↓	OK	Acetone
	336	0075292-ms		ABN		26			\	\	OK	57 318
	337	-msd				27			✓	\	OK	
	338	JB68163-1	75259	ABTCL28	S	28		+	\	\	OK	
	339	JB68120-10		ABTCL28	S	29		+	\	\	OK	
	340	-11				30		+	\	\	OK	2:39pm

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

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ 4569

Date: 5-24-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc
SV1412149	DFTPP	50ppm
CK2933	I.S.	400ppm
DK 237	DCM-TKW	(4ml)

Columns: RTX 5ms 30m .25mm .25µ

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 5-28-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
Z91825	DFTPP			W	1					OK	10:37 am
826	ic 4569-100		BNA		2					OK	" SV1413621 15
827	-80				3					OK	" -115
828	-2				4					OK	" -115
829	ic 4569-50				5					OK	" -138B
830	ic 4569-25				6					OK	" -138C
831	-1				7					OK	" -115
832	-5				8					OK	" -115
833	-10				9					OK	" -115
Z91825a	DFTPP				1					not using	Run by mistake

MX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

5/27/14

mple volume/weight used and final volumes refer to extraction log.

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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

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4571

Date: 5-27-14

Analyst Signature: AR

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-118	DFTPP	50ppm
	AR 5/28/14	

Columns: Rtx+MS 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MS4569

Injection Volume: 1.0 uL

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [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 OA 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

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Rev. Date: 1/16/2006

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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.
SV13D2493	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 AMO 5/27 @ 918168	DFTPP				1					OK	
		ICV4569-50		BNA acid	W	2					OK	SV19117744 50ppm

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4586

6-6-14

Analyst Signature: AR

Columns: RTX5MS 30mm x .25mm x .25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1.0uL

Standard Data

#	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV4136-114	DFTPP	50ppm
136B	BNA	
137A	TCL42	↓
CK2933	IS	40000ppm
DK547	DCM/HW	

...ually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply ...the criteria of Accutest SOP EQA044.

Supervisor Signature: OA

Date: 6-9-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
92213	DFTPP				1					Failed	PCP tailing cc new wool
214	DFTPP				1					Failed	PCP tailing remake
215	DFTPP				1					OK	9:59 AM
216	CC4569-50		BNA		2					OK	aniline ↓ SV1↑, 61/3↑ Pthalates ↑
217	CC4571-50		TCL42		3					OK	atrazine ↑
218	BN1 ver.f.				4					OK	SV14136-131 1ppm
219	op75274-bb28	75274			5			6V	-	OK	CFI
220	op75363-mb1	75363	ABN 8270	W	6		+	-	-	OK	
221	-bs1				7			-	-	OK	
222	b68392-1		BNJTCL11+	W	8		+	-	-	OK	
223	-2				9		+	-	-	OK	
224	b67976-6RX		ABTCL20		10			/		RR	Bis 2 hit
225	b67953-7RX		BNa12MNAP		11			/		OK	
226	b68176-33				12			/		OK	SIM
227	b68100-1a		ABTCL20+		13		+	/	/	OK	
228	b68160-1				14			/		RR	AR 6/9/14 ~~Bis 2 hit~~ J value
229	op75363-ms1				15			/	/	OK	

Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

...le volume/weight used and final volumes refer to extraction log.

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...ikeouts must be initialed, dated and reason code applied as follows:
...viewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

OR015-05
...ate: 1/16/2006

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4586

te: 6-6-14

Analyst Signature: AR

Standard Data

Lot#	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See pg. 145	

Columns: RTX5MS 30mm x .25mm x .25um

Method 8270/625

Initial Cal. Method MS4564

Injection Volume: 1.0uL

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: QA

Date: 6-9-14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
Z92230	op75363-MSD				16			/	/	ok	
231	jb68196-1	75274	TCLP		17			/	/	ok	
232	jb68216-7				18			/		ok	whole batch RX
233	-8				19			/		ok	
234	op75203-mb	75203	ABN 8270	S	20			/	/	ok	pyridine hit - Ran after Z92221
235	jb67923-2		ABTCLP1		21	4		/	/	ok	VF=5 diluted due to bad matrix
236	jb67923-8				22	4		/	/	ok	
237	op75203-MS				23	4		/		not using	VF=5 Ran after Z92223 wrong vial #
238	-MSD				24	4		/			VF=5

Matrix . Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

le volume/weight used and final volumes refer to extraction log.

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ikeouts must be initialed, dated and reason code applied as follows:
viewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

OR015-05
ate: 1/16/2006

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4589

Date: 6/9/14

Analyst Signature: AR

Columns: MTXSM-130m×25mmx.25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1.0ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SM413621KG	DFTPP	50ppm
1386	BNA	25
1326	TCL42	25
CK9433	IS	4000ppm
DK547	DCM HLW	"

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6/10/14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
Z92285	DFTPP				1					failed	2CP tailing ↑ re-inject
286	DFTPP				1					OK	9:11am
287	CC4569-25		BNA		2					OK	541 61↑
288	cc4561-25		TCL42		3					OK	benzaldehyde↑
289	op75394-mb1	75394	ABN8270	S	4			/	/	OK	
290	op75249-mb1	75249	BN8270	W	5			/	/	OK	
291	-bs1				6			/	/	OK	
292	jb67976-6	75363	ABTCL20	W	7			/	/	OK	
293	op75260-mb1	75260	AB8270	S	8			/	/	OK	
294	OP75227-mb1	75227	AB8270	W	9			/	/	OK	
295	jb67923-10		ABTCL11+	W	10			/	/	OK	
296	jb68347-1R	75394	ABTCL20+	S	11		+	/	/	OK	
297	jb67884-2	75402	BNJTCL11+	W	12	2		/	/	OK	
298	jb684973				13	10125		/		OK	RR AR 6/10/14 OK
299	jb67991-7	75260	ABTCL42	S	14			/	/	OK	RR benzaldehyde hit
300	-8				15			/	-	OK	RR benzaldehyde hit
301	-11				16			/	-	OK	RR benzaldehyde hit

= Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

ple volume/weight used and final volumes refer to extraction log.

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trikeouts must be initialed, dated and reason code applied as follows:
eviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analys s correction error

: OR015-05
Date: 1/16/2006

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EZ4589

Date: 6/9/14

Analyst Signature: AR

Columns: RTX5MS;30mx.25mmx.25um

Method 8270/625

Initial Cal. Method MZ4569

Injection Volume: 1.0uL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See pg. 157	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 6/10/14

Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
292302	jb67987-1	75402	BNJTCL1+	W	17			/	WB/	ok	RF
303	OP75249-MS	75249	BN&2>0	W	18			/	/	ok	
304	MSD				19			/	/	ok	
305	jb68024-1	75249	B aniline +NBenz	W	20			/	NB/	ok	RF, NO Bottles left
306	OP75203-MS 6/9/14	75203			21	4		/	/	Ok	OP75203
307	OP75203 MSD				22	4		/	/	ok	↓
308	jb68024-4 AR 6/9/14				23			/		NOT RUN	
309	jb68024-5	75249			24			/	/	ok	
310	-6				25			/	/	ok	
311	-7				26			/	NB2/	ok	RR matrix 1:1000
312	-8				27			/	/	ok	RR for CO
308	jb68264-10	75363	ABTCL20+	W	28 AR 6/9/14			↓		RR	8.07pm 292307 Ran above after NOT spiked, RR

MX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

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Strikeouts must be initialed, dated and reason code applied as follows:
Reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05
Date: 1/16/2006

9.7.10

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Prep Log OP75292 page 1 of 1

Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # MS75292 | RACK# C-19

Date started: 06/03/14 Time started: 1:30 pm
Date finished: 06/03/14 Time finished: 3:00 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		Nasan	35.0				yellow	1			
JB67976-4 MS		1	Sand	31.2			/	yellow	1			
MSD		1	Sand	30.9			/	yellow	1			
MB1 BS			Nasan	35.0				clear	1			
MS												
MSD												
1 JB67976-1 RX	ABN	1	Sand	32.3			/	yellow	1			
2 -2		1	Sand	30.1			/	yellow	1			
3 -4		1	Sand	32.0			/	clear	1			
4 -5		1	Sand	33.2			/	yellow	1			
5 -8		1	Sand	33.1		/		yellow	1			
6 -9		1	Sand	30.2		/		yellow	1			
7 -10		1	Sand	33.2		/		yellow	1			
8 -11		1	Sand	32.1		/		yellow	1			
9 -12		1	Sand	32.0		/		Brown				
10 JB68027-1		2	Soil	30.1			/	Black	5			*
11 RD@6/5/14 =2												
12 -3		1	Soil	30.3			/	Black	5			*
13 -4		1	Soil	31.2			/	Black	5			*
14 -5		2	Soil	31.7			/	Brown	1			
15 -6		1	Soil	30.2			/	Brown	5			*
16 -7		1	Soil	31.2			/	Black	5			*
17 -8		2	Soil	32.1			/	Black	5			*
18 -9		1	Soil	31.7			/	Black	1			
19 -10		1	Soil	30.8			/	Brown	1			
20												

Comments: * Final volume raised to 5mL due to bed matrix

Ext By:	MS/FW
Conc By:	MS/FW
Vialed By:	TM/FW
Relinquished by:	
Accepted by:	
Supervisor Review:	Reviewed 6/3/14

Equipment	ID	Temp	Pres
WaterBath			
TurboVAP			
NEVAp	2	35°C	
Balance	B49	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN op	141177776	50	1

WITNESS SIGN: FW

MATRIX SPIKE	LOT #	Conc	Amt
Acid op	141177744	50	1
Base #1 w/ low Anilines	141177760	50	1
Base #2 op	141177743	50	1
Anilines op	141182788	50	1

WITNESS SIGN: FW

SOLVENT	LOT #	BRAND
1:1 MC/ACE DK545	DK520	J.T.B.
METH CHLOR		

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	Fc010270	Fisher
HYDROMATRIX	620 9288	Agilent

Form: OP019X-01
Rev. Date: 04/09/13

See back for instructions

ccutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH# MS75345 | RACK# C-4

ate started: 06/05/14 Time started: 9:30 AM
ate finished: 06/05/14 Time finished: 4:30 PM

XTRACTION METHOD: (Check one): Microwave SW3546 ✓ Sonication SW3550C ____ Waste Dil. SW3580A ____ Soxhlet SW3540C ____

Ext By:	FN/MS
Conc By:	AS/MS/FN
Vialed By:	MS/FN/AC
Relinquished by:	FN
Accepted by:	
Supervisor Review:	6/5/14

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		Nasoy	35.0				yellow	1			
B67991-17 MS	|	1	Soil	32.1			-	Brown	1			
| MSD	|	1	Soil	31.0			-	Brown	1			
MB1 BS	|		Nasoy	35.0				clear	1			
MS												
MSD												
MB 6/4/14												
B676969-1 RX	ABN	1	sand	31.1		✓	-	Brown	1			
B67976-3		1	Soil	30.3		✓	-	Brown	1			
B67991-14		1	Soil	30.6			-	Brown	1			
-15		1	Soil	34.6			-	Brown	1			
-17		3	~~34.0~~	34.0			-	Brown	1			
-13		1	soil	30.8			-	Brown	1			
-19		1	Soil	31.04				Brown	1			
-20		1	soil	31.4			-	Brown	1			
B68027-2		1	wet soil	30.7			-	Black	5			*
B68153-1		1	mud	30.6			-	Black	1			
B68170-1		4	mud	30.2			-	Black	5			*
-2		1	mud	31.6			-	Black	10			4
-3		1	Soil	30.0			-	Black	5			*
-4		2	Soil	31.0			-	black	5			*
B67999-7A		2	crushed rocks	30.7			-	yellow	1			
-21A		1	soil/rocks	30.6			-	yellow	1			
B68100-5A		1	soil/rocks	31.1			-	Brown	1			
-9A		1	soil	30.6			-	Brown	1			
-12A		2	Soil	31.0			-	Black	1			

Equipment	ID	Temp	Pres
WaterBath	5	80°	
TurboVAP			
NEVAp	2	35°	
Balance	B-37	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN			
07	1411776	50	1

WITNESS SIGN: AS

MATRIX SPIKE		LOT #	Conc	Amt
Acid	07	1411774	50	1
Base #1	07	1411776	50	1
Base #2	07	1411779	50	1
	07	1411227	50	1

WITNESS SIGN: AS

SOLVENT	LOT #	BRAND
1:1 MC/ACE	DK 07 / DK 07	20 / HX
METH CHLOR		

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	FC01070	Fisher
HYDROMATRIX	6209985	Agilent

omments: * FINAL EXTRACT RAISED TO 5ML BECAUSE SAMPLE COULD NOT CONCENTRATE TO 1ML
4. FINAL EXTRACT RAISED TO 10ML

OP019A-01
te: 04/09/13

See back for instructions

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Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 6/5/14 Time Started: 15:00
Date Finished: 6/5/14 Time Finished: 23:30

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 X Cont Liq-Liq SW3520C

BATCH # MS75363 RACK# A-4

Ext By:	EE/JH
Conc by:	EE/SC
Vialed by:	EE
Relinquished by:	
Accepted by:	
Supervisor review:	6/5/14

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	Comments
MB	ABN			DI H2O	1000	1	4	Clear	1		
BS				DI H2O	1000	1	4	yellow	1		
JB68264-10 MS		2		yellow	1145	1	4	Yellow	1		
MSD		2		yellow	1145	1	4	Yellow	1		
BS 12	BSM			DI H2O	1000	1	4	pale yellow	1		
JB68264-16 MS A		2		Yellow	1000	1	4	Yellow	1		
MSD A		2		Yellow	1000	1	4	Yellow	1		
JB67976-6RX	ABN	1		Clear	900	1	4	Clear	1		
JB67953-7	BN	2		Clear	1000		1	clear	1		
JB68176-33		1		Clear	1000		1	clear	1		
JB68100-19	ABN	3		Clear	960	1	4	Clear	1		
JB68160-1		3		Clear	1000	1	4	clear	1		
JB68392-1	BN	1		Orange	1000		1	Clear	1		
2		1		Orange	1000		1	yellow	1		
JB68264-10	ABN	1		Yellow	960	1	4	Yellow	1		
16		1		Yellow	900	1	4	Brown	1		
JB68336-16	BN	1		L. Gray	980		1	yellow	1		
17		2		Yellow	970		1	Yellow	1		
~~MSD 6/5/14~~		1		L. Yellow	1000		1	Clear	1		
19		1		L. Yellow	1000		1	Yellow	1		
20		1		Yellow	1000		1	Clear	1		
21		1		Yellow	1000		1	yellow	1		
22		1		dark gray	1000		1	Brown	1		
23		1		gray	1000		1	Yellow	1		
24		1		gray	1000		1	Yellow	1		

Equipment	ID	Temp	Pres
Waterbath	3	85°C	N/A
NEVAP			
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN op	141177G	50	1.0
Anal inesop	141177J8	50	1.0
Witness Sign:	EE		

Matrix Spike	Lot #	Conc	Amt
Acid op	141177J8	50	1.0
Base #1 op	141177J2	50	1.0
Base #2 op	141177J3	50	1.0
Witness Sign:	EE		
BSM op	141177J6	1	1.0

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DK547	HG	6x60

Reagent	Lot #	Brand
Sodium Sulfate op	BB683	Fisher
~~Filter Paper~~ Glass Wool	7483	Laboratory Sales
Hydromatrix		
1:1 H_2SO_4	410227	BDH
10N NaOH	311211	BDH

COMMENTS:

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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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:38	MA34145-STD1	1		STDA
11:44	MA34145-STD2	1		STDB
11:50	ZZZZZZ	1		
11:56	ZZZZZZ	1		
12:04	MA34145-ICV1	1		
12:15	MA34145-ICB1	1		
12:20	MA34145-ICCV1	1		
12:30	MA34145-CCB1	1		
12:35	MA34145-CRI1	1		
12:41	MA34145-CRID1	1		
12:48	MA34145-CRIA1	1		
12:54	MA34145-ICSA1	1		
13:00	MA34145-ICSAB1	1		
13:06	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:18	MA34145-CCV1	1		
13:24	MA34145-CCB2	1		
13:30	MP79668-MB2	1		
13:36	MP79668-B2	1		
13:42	MP79668-S1	1		
13:48	MP79668-S2	1		
13:54	JB67344-3	1		(sample used for QC only; not part of login JB67976)
14:00	MP79668-SD1	5		
14:06	MP79668-PS1	1		
14:12	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:25	MA34145-CCV2	1		
14:30	MA34145-CCB3	1		
14:36	MP79776-MB1	1		
14:42	MP79743A-MB1	1		
14:49	MP79668-S1	5		
14:54	MP79668-S2	5		
15:00	JB67344-3	5		(sample used for QC only; not part of login JB67976)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:06	MP79668-SD1	25		
15:12	ZZZZZZ	5		
15:18	ZZZZZZ	5		
15:24	ZZZZZZ	5		
15:30	MA34145-CCV3	1		
15:36	MA34145-CCB4	1		
15:44	MP79668-PS1	5		
15:55	MP79668-SD1	25		
16:05	ZZZZZZ	1		
16:11	MP79773-LC1	1		
16:17	MP79773-MB2	1		
16:23	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:41	MA34145-CCV4	1		
16:47	MA34145-CCB5	1		
16:53	ZZZZZZ	1		
16:59	MP79767-S1	5		
17:05	MP79767-S2	5		
17:11	JB67938-1	5		(sample used for QC only; not part of login JB67976)
17:17	MP79767-SD1	25		
17:23	MP79767-PS1	1		
17:29	ZZZZZZ	2		
17:35	ZZZZZZ	10		
17:42	ZZZZZZ	5		
17:48	MA34145-CCV5	1		
17:53	MA34145-CCB6	1		
17:59	ZZZZZZ	1		
18:09	MP79767-PS1	5		
18:15	ZZZZZZ	5		
18:21	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:33	MP79780-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:39	MP79780-LC1	1		
18:45	MP79780-S1	1		High rsd
18:51	MP79780-S2	1		High rsd
18:57	MA34145-CCV6	1		
19:03	MA34145-CCB7	1		
19:09	JB67852-1	1		(sample used for QC only; not part of login JB67976)
19:15	MP79780-SD1	5		High rsd
19:21	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:45	ZZZZZZ	1		
19:51	ZZZZZZ	1		
19:57	ZZZZZZ	5		
20:03	MA34145-CCV7	1		
20:09	MA34145-CCB8	1		
20:15	MP79780-LC1	1		
20:21	ZZZZZZ	1		
20:27	MA34145-CRI2	1		
20:33	MA34145-CRID2	1		
20:39	MA34145-CRIA2	1		
20:45	MA34145-ICSA2	1		
20:51	MA34145-ICSAB2	1		
20:57	ZZZZZZ	1		
21:04	MA34145-CCV8	1		
21:11	MA34145-CCB9	1		
21:17	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:29	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:41	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:48	JB67815-12	1		(sample used for QC only; not part of login JB67976)
21:54	ZZZZZZ	1		
22:00	ZZZZZZ	1		
22:06	MP79732-LC1	1		
22:12	MA34145-CCV9	1		
22:17	MA34145-CCB10	1		
22:23	MP79732-MB1	1		
22:30	MP79732-B1	1		
22:35	MA34145-CCV10	1		
22:41	MA34145-CCB11	1		
22:47	MP79732-S1	1		Tl hit
22:53	MP79732-S2	1		Tl hit
22:59	JB67783-1	1		(sample used for QC only; not part of login JB67976)
23:06	MP79732-SD1	5		Tl hit
23:12	ZZZZZZ	1		
23:18	MP79805-MB1	1		
23:24	MP79805-LC1	1		High recovery on Se
23:30	MP79805-LC2	1		
23:35	MP79805-S1	1		S high
23:42	MA34145-CCV11	1		
23:47	MA34145-CCB12	1		
23:54	MP79805-S2	1		S high
00:00	JB68057-3	1		(sample used for QC only; not part of login JB67976)
00:06	MP79805-SD1	5		S high
00:12	ZZZZZZ	1		
00:18	ZZZZZZ	1		
00:24	MP79805-MB2	1		
00:30	MP79781-MB1	1		CCV out
00:36	MP79781-LC1	1		CCV out
00:42	ZZZZZZ	1		
00:48	MA34145-CCV12	1		
00:54	MA34145-CCB13	1		
01:00	MA34145-CRI3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:06	MA34145-CRID3	1		
01:12	MA34145-CRIA3	1		
01:18	MA34145-CCV13	1		
01:24	MA34145-CCB14	1		
01:30	ZZZZZZ	1		
01:36	JB67976-6	1		CCV out
---------->	Last reportable sample/prep for job JB67976			
01:42	ZZZZZZ	1		
01:48	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:19	MP79776-B1	1		
02:25	MP79776-S1	2		
02:31	MA34145-CCV14	1		
02:37	MA34145-CCB15	1		
02:43	MP79776-S1	20		
02:49	MP79776-S2	2		
02:55	MP79776-S2	20		
03:01	JB67923-2A	2		(sample used for QC only; not part of login JB67976)
03:07	MP79776-SD1	10		
03:13	JB67923-2A	20		(sample used for QC only; not part of login JB67976)
03:19	MP79776-SD1	100		
03:25	ZZZZZZ	10		
03:31	ZZZZZZ	10		
03:37	MA34145-CCV15	1		
03:43	MA34145-CCB16	1		
03:49	MA34145-CRI4	1		
03:55	MA34145-CRID4	1		
04:01	MA34145-CRIA4	1		
04:07	MA34145-CCV16	1		
04:13	MA34145-CCB17	1		
---------->	Last reportable CCB for job JB67976			
04:19	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:25	ZZZZZZ	1		
04:31	ZZZZZZ	1		
04:37	ZZZZZZ	1		
04:43	ZZZZZZ	1		
04:50	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:02	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:38	MA34145-STD1	2364 R	171420 R	34966 R	6521 R
11:44	MA34145-STD2	2198	161380	33188	5957
11:50	ZZZZZZ	2270	165220	32931	6159
11:56	ZZZZZZ	2341	171040	34697	6463
12:04	MA34145-ICV1	2271	166940	33922	6176
12:15	MA34145-ICB1	2365	171690	34826	6529
12:20	MA34145-ICCV1	2257	165960	33699	6143
12:30	MA34145-CCB1	2367	171170	35001	6540
12:35	MA34145-CRI1	2320	169410	34359	6386
12:41	MA34145-CRID1	2331	170890	34624	6438
12:48	MA34145-CRIA1	2353	173460	34783	6490
12:54	MA34145-ICSA1	2069	153620	31149	5445
13:00	MA34145-ICSAB1	2054	153260	31018	5422
13:06	ZZZZZZ	2310	169000	33686	6516
13:12	ZZZZZZ	2314	170980	34170	6492
13:18	MA34145-CCV1	2256	165790	33258	6132
13:24	MA34145-CCB2	2354	172400	34025	6503
13:30	MP79668-MB2	2312	171210	34415	6435
13:36	MP79668-B2	2298	169520	33659	6346
13:42	MP79668-S1	No results reported for the elements associated with this internal standard.			
13:48	MP79668-S2	No results reported for the elements associated with this internal standard.			
13:54	JB67344-3	No results reported for the elements associated with this internal standard.			
14:00	MP79668-SD1	No results reported for the elements associated with this internal standard.			
14:06	MP79668-PS1	No results reported for the elements associated with this internal standard.			
14:12	ZZZZZZ	2163	163600	32866	5698
14:18	ZZZZZZ	2249	164900	33779	6031
14:25	MA34145-CCV2	2252	165840	33023	6137
14:30	MA34145-CCB3	2346	170860	34170	6494
14:36	MP79776-MB1	2325	172080	34996	6487
14:42	MP79743A-MB1	2328	171730	34121	6467
14:49	MP79668-S1	2285	169340	33278	6239
14:54	MP79668-S2	2299	168410	33503	6304
15:00	JB67344-3	2312	169980	33886	6345

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:06	MP79668-SD1	No results reported for the elements associated with this internal standard.			
15:12	ZZZZZZ	6154 !	335650 !	49507 !	14864 !
15:18	ZZZZZZ	2266	168160	33300	6177
15:24	ZZZZZZ	2318	168660	33540	6328
15:30	MA34145-CCV3	2239	164690	32334	6072
15:36	MA34145-CCB4	2335	169180	33949	6438
15:44	MP79668-PS1	2263	162920	33618	6162
15:55	MP79668-SD1	2334	170540	33310	6422
16:05	ZZZZZZ	2004	149820	32873	5164
16:11	MP79773-LC1	2277	171590	34325	6357
16:17	MP79773-MB2	2029	151020	33035	5271
16:23	ZZZZZZ	2330	169810	33422	6410
16:29	ZZZZZZ	2302	168030	32976	6353
16:35	ZZZZZZ	2321	172500	34035	6466
16:41	MA34145-CCV4	2242	166070	32880	6103
16:47	MA34145-CCB5	2338	170170	34098	6445
16:53	ZZZZZZ	2316	169450	33872	6419
16:59	MP79767-S1	2085	162090	33385	6047
17:05	MP79767-S2	2081	161660	33003	6045
17:11	JB67938-1	2121	162730	32662	6120
17:17	MP79767-SD1	2243	168840	33461	6275
17:23	MP79767-PS1	1624 !a	133940	31663	4978
17:29	ZZZZZZ	2435	181020	36440	6005
17:35	ZZZZZZ	2333	169760	33590	6192
17:42	ZZZZZZ	2080	999999 !	33050	6056
17:48	MA34145-CCV5	2244	165920	32797	6110
17:53	MA34145-CCB6	2335	172420	33893	6439
17:59	ZZZZZZ	2358	169840	34157	6491
18:09	MP79767-PS1	2111	160150	32788	6056
18:15	ZZZZZZ	2029	160170	31898	5813
18:21	ZZZZZZ	2266	170370	33186	6199
18:27	ZZZZZZ	2350	172510	33457	6474
18:33	MP79780-MB1	2318	174310	33391	6486

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:39	MP79780-LC1	No results reported for the elements associated with this internal standard.			
18:45	MP79780-S1	2212	165470	33273	5969
18:51	MP79780-S2	2229	166300	33395	6019
18:57	MA34145-CCV6	2227	165640	32657	6076
19:03	MA34145-CCB7	2323	172280	34034	6425
19:09	JB67852-1	2207	164320	33492	5980
19:15	MP79780-SD1	2292	170980	34094	6347
19:21	ZZZZZZ	2283	999999 !	33640	6352
19:27	ZZZZZZ	2286	171140	33156	6366
19:33	ZZZZZZ	2249	168050	33585	6282
19:39	ZZZZZZ	2258	171650	33720	6293
19:45	ZZZZZZ	2268	169060	33949	6290
19:51	ZZZZZZ	2278	169500	33767	6378
19:57	ZZZZZZ	2084	160090	32991	6068
20:03	MA34145-CCV7	2224	166340	32834	6074
20:09	MA34145-CCB8	2323	170810	33860	6427
20:15	MP79780-LC1	2142	176890	36257	6386
20:21	ZZZZZZ	2123	174660	36156	6378
20:27	MA34145-CRI2	2175	178320	35905	6409
20:33	MA34145-CRID2	2178	175800	36297	6429
20:39	MA34145-CRIA2	2207	178860	36864	6531
20:45	MA34145-ICSA2	1897	155910	32794	5221
20:51	MA34145-ICSAB2	1890	155060	32336	5212
20:57	ZZZZZZ	2068	168090	35076	5976
21:04	MA34145-CCV8	2083	170130	35951	6000
21:11	MA34145-CCB9	2195	179910	37409	6536
21:17	ZZZZZZ	2116	177110	36238	6436
21:17	ZZZZZZ	2116	177110	36238	6436
21:23	ZZZZZZ	2124	178260	999999 !	6530
21:23	ZZZZZZ	2124	178260	999999 !	6530
21:29	ZZZZZZ	2030	173200	36479	6726
21:35	ZZZZZZ	2016	168910	35035	5643
21:41	ZZZZZZ	1968	166280	34423	5504

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:48	JB67815-12	No results reported for the elements associated with this internal standard.			
21:54	ZZZZZZ	2048	170030	35126	5774
22:00	ZZZZZZ	2209	180750	36619	6349
22:06	MP79732-LC1	2156	177100	36539	6452
22:12	MA34145-CCV9	2107	171160	37336	6101
22:17	MA34145-CCB10	2205	179180	36635	6561
22:23	MP79732-MB1	2201	178730	36670	6555
22:30	MP79732-B1	2098	173270	36332	6244
22:35	MA34145-CCV10	2087	170630	35599	6050
22:41	MA34145-CCB11	2210	179890	36929	6580
22:47	MP79732-S1	1928	153710	36040	5491
22:53	MP79732-S2	1930	168890	35740	5502
22:59	JB67783-1	1985	163480	36449	5690
23:06	MP79732-SD1	2113	172200	36199	6218
23:12	ZZZZZZ	2152	179250	37402	6528
23:18	MP79805-MB1	2147	178390	36496	6483
23:24	MP79805-LC1	2089	174270	36195	6265
23:30	MP79805-LC2	2130	176070	36650	6399
23:35	MP79805-S1	1901	160140	35693	5519
23:42	MA34145-CCV11	2074	170510	35900	6022
23:47	MA34145-CCB12	2173	180240	37244	6495
23:54	MP79805-S2	1907	160470	35465	5532
00:00	JB68057-3	1977	163550	35580	5725
00:06	MP79805-SD1	2114	172020	35995	6263
00:12	ZZZZZZ	1943	161030	35267	5648
00:18	ZZZZZZ	1934	162480	35658	5488
00:24	MP79805-MB2	2183	178120	36690	6514
00:30	MP79781-MB1	2225	178130	36588	6671
00:36	MP79781-LC1	2144	175380	35933	6366
00:42	ZZZZZZ	2191	179840	36642	6568
00:48	MA34145-CCV12	2078	170950	35657	6025
00:54	MA34145-CCB13	2189	178450	36606	6535
01:00	MA34145-CRI3	2164	178990	37184	6470

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:06	MA34145-CRID3	2189	178480	36852	6575
01:12	MA34145-CRIA3	2162	181130	36501	6471
01:18	MA34145-CCV13	2041	169110	35969	5977
01:24	MA34145-CCB14	2150	176830	37048	6491
01:30	ZZZZZZ	2089	174370	36025	6358
01:36	JB67976-6	2118	177260	36795	6446
01:42	ZZZZZZ	2117	177220	37593	6469
01:48	ZZZZZZ	2093	175890	36624	6403
01:55	ZZZZZZ	2095	175950	36531	6415
02:01	ZZZZZZ	2125	176430	36771	6457
02:07	ZZZZZZ	2111	175340	36608	6429
02:13	ZZZZZZ	2090	176350	36776	6422
02:19	MP79776-B1	1994	167510	36349	6046
02:25	MP79776-S1	1912	166090	34490	6071
02:31	MA34145-CCV14	2003	167800	35896	5925
02:37	MA34145-CCB15	2096	179830	36992	6392
02:43	MP79776-S1	2053	174090	36455	6348
02:49	MP79776-S2	1868	164460	34703	5966
02:55	MP79776-S2	2050	173330	36338	6340
03:01	JB67923-2A	1917	167190	34756	6119
03:07	MP79776-SD1	2042	172190	35662	6350
03:13	JB67923-2A	2059	172850	35891	6332
03:19	MP79776-SD1	2088	176130	37010	6368
03:25	ZZZZZZ	2062	174460	36308	6359
03:31	ZZZZZZ	2056	170700	36062	6308
03:37	MA34145-CCV15	2000	168420	35428	5928
03:43	MA34145-CCB16	2124	177650	36646	6454
03:49	MA34145-CRI4	2098	176300	37046	6331
03:55	MA34145-CRID4	2098	174930	36807	6383
04:01	MA34145-CRIA4	2098	176480	36794	6391
04:07	MA34145-CCV16	2027	166480	35328	6007
04:13	MA34145-CCB17	2105	175510	36645	6395
04:19	ZZZZZZ	2108	167400	32161	5846

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34145
Parameters: Al,Sb,As,Ba,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:25	ZZZZZZ	2106	175070	36222	6408
04:31	ZZZZZZ	2126	178390	37239	6475
04:37	ZZZZZZ	2122	177510	36477	6439
04:43	ZZZZZZ	2127	175900	36882	6469
04:50	ZZZZZZ	2112	176720	34723	6429
04:56	ZZZZZZ	2097	175230	36810	6412
05:02	ZZZZZZ	1893	159240	35392	5592

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time: / Sample ID:			12:15 ICB1		12:30 CCB1		13:24 CCB2		14:30 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-0.10	<200	-0.70	<200	-4.8	<200	-7.6	<200
Antimony	6.0	1.3	0.10	<6.0	0.70	<6.0	0.90	<6.0	0.60	<6.0
Arsenic	3.0	1.2	0.20	<3.0	0.50	<3.0	0.30	<3.0	0.70	<5.0
Barium	200	.2	0.10	<200	0.10	<200	0.0	<200	0.0	<200
Beryllium	1.0	.04	0.10	<1.0	0.10	<1.0	0.20	<1.0	0.10	<2.0
Bismuth	20	1.2								
Boron	100	1.2	anr							
Cadmium	3.0	.2	0.10	<3.0	0.10	<3.0	0.0	<3.0	0.0	<3.0
Calcium	5000	8.7	anr							
Chromium	10	.3	0.0	<10	-0.10	<10	0.0	<10	-0.20	<10
Cobalt	50	.4	0.10	<50	0.10	<50	0.10	<50	0.10	<50
Copper	10	.5	-0.50	<10	-0.90	<10	-0.90	<10	-0.90	<10
Iron	100	3.8	2.3	<100	1.4	<100	2.6	<100	3.3	<100
Lead	3.0	1.3	0.20	<3.0	0.30	<3.0	-0.20	<3.0	0.20	<5.0
Lithium	20	.8								
Magnesium	5000	12	anr							
Manganese	15	.04	0.10	<15	0.10	<15	0.20	<15	0.10	<15
Molybdenum	20	.5								
Nickel	10	.7	0.20	<10	0.10	<10	0.0	<10	0.0	<10
Palladium	50	1								
Potassium	10000	17	34.3	<10000	35.8	<10000	13.1	<10000	19.2	<10000
Selenium	10	2	-1.0	<10	-0.60	<10	-1.2	<10	-1.2	<10
Silicon	200	8.4								
Silver	10	.3	0.0	<10	-0.30	<10	-0.40	<10	-0.30	<10
Sodium	10000	7.1	5.8	<10000	11.0	<10000	9.6	<10000	13.2	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.30	<2.0	0.30	<2.0	0.0	<2.0	0.50	<5.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.20	<50	0.20	<50	0.20	<50	0.30	<50
Zinc	20	1.5	0.20	<20	-0.20	<20	0.20	<20	0.50	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time: / Sample ID:			12:15 ICB1		12:30 CCB1		13:24 CCB2		14:30 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time: / Sample ID:			15:36 CCB4		16:47 CCB5		17:53 CCB6		19:03 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-0.40	<200	-5.3	<200	-10	<200	1.9	<200
Antimony	6.0	1.3	1.4	<6.0	1.6	<6.0	1.8	<6.0	1.7	<6.0
Arsenic	3.0	1.2	0.0	<5.0	0.30	<3.0	0.70	<3.0	0.20	<3.0
Barium	200	.2	0.0	<200	0.0	<200	0.0	<200	0.10	<200
Beryllium	1.0	.04	0.10	<2.0	0.10	<1.0	0.10	<1.0	0.20	<1.0
Bismuth	20	1.2								
Boron	100	1.2	anr							
Cadmium	3.0	.2	0.20	<3.0	0.10	<3.0	0.10	<3.0	-0.10	<3.0
Calcium	5000	8.7	anr							
Chromium	10	.3	0.10	<10	0.20	<10	0.0	<10	0.30	<10
Cobalt	50	.4	0.20	<50	0.0	<50	0.0	<50	-0.10	<50
Copper	10	.5	-1.2	<10	-1.6	<10	-1.5	<10	-1.4	<10
Iron	100	3.8	2.9	<100	2.9	<100	1.9	<100	4.7	<100
Lead	3.0	1.3	-0.30	<5.0	0.30	<3.0	0.60	<3.0	0.40	<3.0
Lithium	20	.8								
Magnesium	5000	12	anr							
Manganese	15	.04	0.20	<15	0.10	<15	0.10	<15	0.20	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.30	<10	-0.10	<10	0.10	<10	0.0	<10
Palladium	50	1								
Potassium	10000	17	4.7	<10000	15.1	<10000	56.2	<10000	22.4	<10000
Selenium	10	2	-0.10	<10	-0.20	<10	-0.70	<10	0.30	<10
Silicon	200	8.4								
Silver	10	.3	-0.40	<10	-0.10	<10	-0.20	<10	-0.20	<10
Sodium	10000	7.1	13.5	<10000	31.4	<10000	32.0	<10000	30.0	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	1.2	<5.0	-0.90	<2.0	0.50	<2.0	0.60	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.30	<50	0.20	<50	0.20	<50	0.60	<50
Zinc	20	1.5	0.50	<20	0.60	<20	0.40	<20	0.50	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time:			15:36		16:47		17:53		19:03	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time: / Sample ID:			20:09 CCB8		21:11 CCB9		22:17 CCB10		22:41 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-0.30	<200	-1.1	<200	-2.0	<200	-0.50	<200
Antimony	6.0	1.3	1.2	<6.0	1.2	<6.0	1.8	<6.0	1.2	<6.0
Arsenic	3.0	1.2	0.80	<3.0	-0.40	<3.0	-0.40	<3.0	0.20	<3.0
Barium	200	.2	0.20	<200	0.0	<200	0.0	<200	0.0	<200
Beryllium	1.0	.04	0.20	<1.0	0.20	<1.0	0.20	<1.0	0.20	<1.0
Bismuth	20	1.2								
Boron	100	1.2	anr							
Cadmium	3.0	.2	0.10	<3.0	0.40	<3.0	0.40	<3.0	0.30	<3.0
Calcium	5000	8.7	anr							
Chromium	10	.3	0.10	<10	0.0	<10	0.30	<10	0.10	<10
Cobalt	50	.4	0.20	<50	0.20	<50	0.0	<50	0.10	<50
Copper	10	.5	-1.3	<10	-0.80	<10	-0.80	<10	-0.80	<10
Iron	100	3.8	4.8	<100	4.8	<100	4.0	<100	5.3	<100
Lead	3.0	1.3	0.10	<3.0	0.20	<3.0	-0.30	<3.0	-0.50	<3.0
Lithium	20	.8								
Magnesium	5000	12	anr							
Manganese	15	.04	0.20	<15	0.20	<15	0.20	<15	0.30	<15
Molybdenum	20	.5								
Nickel	10	.7	0.20	<10	-0.80	<10	-0.90	<10	-0.90	<10
Palladium	50	1								
Potassium	10000	17	85.6	<10000	40.9	<10000	64.0	<10000	53.1	<10000
Selenium	10	2	-1.5	<10	1.3	<10	1.4	<10	1.4	<10
Silicon	200	8.4								
Silver	10	.3	0.10	<10	-0.20	<10	-0.10	<10	0.10	<10
Sodium	10000	7.1	23.4	<10000	20.3	<10000	17.7	<10000	18.4	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.90	<2.0	0.50	<2.0	0.60	<2.0	0.90	<2.0
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.40	<50	0.30	<50	0.40	<50	0.40	<50
Zinc	20	1.5	0.60	<20	0.40	<20	0.50	<20	0.30	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time:			20:09		21:11		22:17		22:41	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time: / Sample ID:			23:47 CCB12		00:54 CCB13		01:24 CCB14		02:37 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	-3.6	<200	1.7	<200	0.0	<200	2.0	<200
Antimony	6.0	1.3	1.0	<6.0	0.90	<6.0	0.50	<6.0	-0.10	<500
Arsenic	3.0	1.2	0.10	<3.0	-0.20	<3.0	-0.10	<3.0	-1.1	<500
Barium	200	.2	0.0	<200	0.0	<200	0.10	<200	0.10	<1000
Beryllium	1.0	.04	0.0	<1.0	0.20	<1.0	0.20	<1.0	0.20	<5.0
Bismuth	20	1.2								
Boron	100	1.2	anr							
Cadmium	3.0	.2	0.30	<3.0	0.30	<3.0	0.60	<3.0	0.60	<5.0
Calcium	5000	8.7	anr							
Chromium	10	.3	0.10	<10	-0.10	<10	0.10	<10	0.30	<10
Cobalt	50	.4	0.10	<50	-0.10	<50	0.20	<50	0.40	<50
Copper	10	.5	-0.40	<10	-0.40	<10	0.90	<10	2.0	<10
Iron	100	3.8	0.60	<100	3.9	<100	3.6	<100	5.1	<100
Lead	3.0	1.3	0.0	<3.0	-0.90	<3.0	-0.40	<3.0	-0.40	<500
Lithium	20	.8								
Magnesium	5000	12	anr							
Manganese	15	.04	0.10	<15	0.20	<15	0.20	<15	0.40	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.80	<10	-1.1	<10	-0.80	<10	-0.80	<10
Palladium	50	1								
Potassium	10000	17	27.4	<10000	27.6	<10000	-3.4	<10000	1.0	<10000
Selenium	10	2	0.0	<10	2.3	<10	0.90	<10	2.3	<500
Silicon	200	8.4								
Silver	10	.3	0.10	<10	-0.10	<10	0.20	<10	0.0	<10
Sodium	10000	7.1	27.8	<10000	29.8	<10000	32.1	<10000	29.1	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.40	<2.0	1.2	<2.0	-0.10	<2.0	0.0	<500
Tin	10	.8	anr							
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.20	<50	0.30	<50	0.30	<50	0.20	<50
Zinc	20	1.5	0.20	<20	0.30	<20	0.30	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time:			23:47		00:54		01:24		02:37	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time:			03:43		04:13	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.7	3.5	<200	2.9	<200
Antimony	6.0	1.3	-0.70	<500	0.70	<500
Arsenic	3.0	1.2	-0.40	<500	-0.90	<500
Barium	200	.2	0.30	<1000	0.30	<1000
Beryllium	1.0	.04	0.30	<5.0	0.40	<5.0
Bismuth	20	1.2				
Boron	100	1.2	anr			
Cadmium	3.0	.2	0.60	<5.0	0.50	<5.0
Calcium	5000	8.7	anr			
Chromium	10	.3	0.10	<10	0.10	<10
Cobalt	50	.4	0.40	<50	0.20	<50
Copper	10	.5	2.1	<10	2.1	<10
Iron	100	3.8	7.0	<100	6.0	<100
Lead	3.0	1.3	-0.90	<500	-1.5	<500
Lithium	20	.8				
Magnesium	5000	12	anr			
Manganese	15	.04	0.30	<15	0.40	<15
Molybdenum	20	.5				
Nickel	10	.7	-0.80	<10	-1.0	<10
Palladium	50	1				
Potassium	10000	17	9.9	<10000	-2.1	<10000
Selenium	10	2	2.1	<500	2.7	<500
Silicon	200	8.4				
Silver	10	.3	0.10	<10	0.10	<10
Sodium	10000	7.1	32.2	<10000	32.2	<10000
Sulfur	50	4.4				
Strontium	10	.09				
Thallium	2.0	1.4	-0.50	<500	0.80	<500
Tin	10	.8	anr			
Titanium	10	.4				
Tungsten	50	11				
Vanadium	50	.3	0.10	<50	0.10	<50
Zinc	20	1.5	0.20	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34145 Units: ug/l

Time:			03:43		04:13	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.6				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		12:20	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39100	97.8
Antimony	2000	1980	99.0
Arsenic	2000	1990	99.5
Barium	2000	1990	99.5
Beryllium	2000	2040	102.0
Bismuth			
Boron	anr		
Cadmium	2000	2000	100.0
Calcium	anr		
Chromium	2000	2020	101.0
Cobalt	2000	2000	100.0
Copper	2000	1960	98.0
Iron	40000	40200	100.5
Lead	2000	2030	101.5
Lithium			
Magnesium	anr		
Manganese	2000	2080	104.0
Molybdenum			
Nickel	2000	2030	101.5
Palladium			
Potassium	40000	39100	97.8
Selenium	2000	1990	99.5
Silicon			
Silver	250	242	96.8
Sodium	40000	39600	99.0
Sulfur			
Strontium			
Thallium	2000	2070	103.5
Tin	anr		
Titanium			
Tungsten			
Vanadium	2000	2080	104.0
Zinc	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		12:20	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		12:04			13:18			14:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39200	98.0	40000	39200	98.0	40000	39000	97.5
Antimony	2000	1990	99.5	2000	1980	99.0	2000	1970	98.5
Arsenic	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5
Barium	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Beryllium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Bismuth									
Boron	anr								
Cadmium	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Calcium	anr								
Chromium	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0
Cobalt	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Copper	2000	1950	97.5	2000	1950	97.5	2000	1960	98.0
Iron	40000	40100	100.3	40000	40200	100.5	40000	40300	100.8
Lead	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Lithium									
Magnesium	anr								
Manganese	2000	2090	104.5	2000	2110	105.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Palladium									
Potassium	40000	39100	97.8	40000	39400	98.5	40000	39500	98.8
Selenium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Silicon									
Silver	250	241	96.4	250	242	96.8	250	243	97.2
Sodium	40000	39600	99.0	40000	39900	99.8	40000	40000	100.0
Sulfur									
Strontium									
Thallium	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2070	103.5	2000	2090	104.5	2000	2090	104.5
Zinc	2000	2030	101.5	2000	2040	102.0	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		12:04			13:18			14:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		15:30			16:41			17:48	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39000	97.5	40000	39000	97.5
Antimony	2000	1960	98.0	2000	1980	99.0	2000	1960	98.0
Arsenic	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Barium	2000	1990	99.5	2000	2020	101.0	2000	2000	100.0
Beryllium	2000	2070	103.5	2000	2060	103.0	2000	2060	103.0
Bismuth									
Boron	anr								
Cadmium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Calcium	anr								
Chromium	2000	2020	101.0	2000	1990	99.5	2000	1990	99.5
Cobalt	2000	2000	100.0	2000	1990	99.5	2000	1980	99.0
Copper	2000	1920	96.0	2000	1960	98.0	2000	1940	97.0
Iron	40000	40800	102.0	40000	40800	102.0	40000	40700	101.8
Lead	2000	2070	103.5	2000	2050	102.5	2000	2040	102.0
Lithium									
Magnesium	anr								
Manganese	2000	2150	107.5	2000	2080	104.0	2000	2090	104.5
Molybdenum									
Nickel	2000	2060	103.0	2000	2040	102.0	2000	2040	102.0
Palladium									
Potassium	40000	40300	100.8	40000	39500	98.8	40000	39500	98.8
Selenium	2000	1990	99.5	2000	2000	100.0	2000	1990	99.5
Silicon									
Silver	250	240	96.0	250	243	97.2	250	242	96.8
Sodium	40000	40900	102.3	40000	40200	100.5	40000	40100	100.3
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2080	104.0	2000	2070	103.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2110	105.5	2000	2090	104.5	2000	2100	105.0
Zinc	2000	2070	103.5	2000	2040	102.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		15:30			16:41			17:48	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		18:57			20:03			21:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	38800	97.0	40000	38500	96.3
Antimony	2000	1960	98.0	2000	1970	98.5	2000	2120	106.0
Arsenic	2000	2000	100.0	2000	2000	100.0	2000	2070	103.5
Barium	2000	2010	100.5	2000	2000	100.0	2000	2040	102.0
Beryllium	2000	2060	103.0	2000	2050	102.5	2000	1960	98.0
Bismuth									
Boron	anr								
Cadmium	2000	2000	100.0	2000	1990	99.5	2000	2040	102.0
Calcium	anr								
Chromium	2000	1980	99.0	2000	1970	98.5	2000	1810	90.5
Cobalt	2000	1980	99.0	2000	1980	99.0	2000	1890	94.5
Copper	2000	1950	97.5	2000	1940	97.0	2000	2070	103.5
Iron	40000	40700	101.8	40000	40600	101.5	40000	37700	94.3
Lead	2000	2050	102.5	2000	2050	102.5	2000	1960	98.0
Lithium									
Magnesium	anr								
Manganese	2000	2090	104.5	2000	2070	103.5	2000	1940	97.0
Molybdenum									
Nickel	2000	2040	102.0	2000	2040	102.0	2000	1940	97.0
Palladium									
Potassium	40000	39500	98.8	40000	39400	98.5	40000	39900	99.8
Selenium	2000	1990	99.5	2000	1990	99.5	2000	2100	105.0
Silicon									
Silver	250	243	97.2	250	241	96.4	250	237	94.8
Sodium	40000	40500	101.3	40000	40200	100.5	40000	41300	103.3
Sulfur									
Strontium									
Thallium	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2100	105.0	2000	2090	104.5	2000	2000	100.0
Zinc	2000	2040	102.0	2000	2040	102.0	2000	1840	92.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		18:57			20:03			21:04	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		22:12			22:35			23:42	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37200	93.0	40000	39200	98.0	40000	38700	96.8
Antimony	2000	2110	105.5	2000	2120	106.0	2000	2140	107.0
Arsenic	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Barium	2000	1990	99.5	2000	2100	105.0	2000	2100	105.0
Beryllium	2000	1880	94.0	2000	1990	99.5	2000	1960	98.0
Bismuth									
Boron	anr								
Cadmium	2000	2020	101.0	2000	2030	101.5	2000	2030	101.5
Calcium	anr								
Chromium	2000	1810	90.5	2000	1800	90.0	2000	1800	90.0
Cobalt	2000	1850	92.5	2000	1860	93.0	2000	1870	93.5
Copper	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0
Iron	40000	36500	91.3	40000	38700	96.8	40000	38200	95.5
Lead	2000	1930	96.5	2000	1940	97.0	2000	1920	96.0
Lithium									
Magnesium	anr								
Manganese	2000	1940	97.0	2000	1940	97.0	2000	1900	95.0
Molybdenum									
Nickel	2000	1900	95.0	2000	1910	95.5	2000	1910	95.5
Palladium									
Potassium	40000	38900	97.3	40000	40900	102.3	40000	40300	100.8
Selenium	2000	2070	103.5	2000	2100	105.0	2000	2100	105.0
Silicon									
Silver	250	237	94.8	250	238	95.2	250	237	94.8
Sodium	40000	40200	100.5	40000	42200	105.5	40000	41500	103.8
Sulfur									
Strontium									
Thallium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Zinc	2000	1800	90.0	2000	1810	90.5	2000	1800	90.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		22:12			22:35			23:42	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		00:48			01:18			02:31	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39100	97.8	40000	38600	96.5	40000	39000	97.5
Antimony	2000	2150	107.5	2000	2190	109.5	2000	2260	113.0*(a
Arsenic	2000	2070	103.5	2000	2070	103.5	2000	2090	104.5
Barium	2000	2110	105.5	2000	2160	108.0	2000	2190	109.5
Beryllium	2000	1990	99.5	2000	1980	99.0	2000	1990	99.5
Bismuth									
Boron	anr								
Cadmium	2000	2050	102.5	2000	2040	102.0	2000	2080	104.0
Calcium	anr								
Chromium	2000	1820	91.0	2000	1810	90.5	2000	1820	91.0
Cobalt	2000	1880	94.0	2000	1890	94.5	2000	1910	95.5
Copper	2000	2080	104.0	2000	2130	106.5	2000	2190	109.5
Iron	40000	38700	96.8	40000	38400	96.0	40000	37900	94.8
Lead	2000	1940	97.0	2000	1910	95.5	2000	1890	94.5
Lithium									
Magnesium	anr								
Manganese	2000	1920	96.0	2000	1870	93.5	2000	1850	92.5
Molybdenum									
Nickel	2000	1930	96.5	2000	1910	95.5	2000	1900	95.0
Palladium									
Potassium	40000	40800	102.0	40000	40500	101.3	40000	40900	102.3
Selenium	2000	2110	105.5	2000	2140	107.0	2000	2170	108.5
Silicon									
Silver	250	238	95.2	250	240	96.0	250	242	96.8
Sodium	40000	42100	105.3	40000	41700	104.3	40000	41800	104.5
Sulfur									
Strontium									
Thallium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Tin	anr								
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	1980	99.0	2000	1940	97.0
Zinc	2000	1820	91.0	2000	1800	90.0	2000	1780	89.0*(a)

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		00:48			01:18			02:31	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		03:37			04:07	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39700	99.3
Antimony	2000	2260	113.0*(a	2000	2220	111.0*(a
Arsenic	2000	2090	104.5	2000	2050	102.5
Barium	2000	2210	110.5*(a	2000	2230	111.5*(a
Beryllium	2000	2020	101.0	2000	2030	101.5
Bismuth						
Boron	anr					
Cadmium	2000	2060	103.0	2000	2030	101.5
Calcium	anr					
Chromium	2000	1810	90.5	2000	1830	91.5
Cobalt	2000	1900	95.0	2000	1870	93.5
Copper	2000	2180	109.0	2000	2210	110.5*(a
Iron	40000	38400	96.0	40000	38300	95.8
Lead	2000	1880	94.0	2000	1840	92.0
Lithium						
Magnesium	anr					
Manganese	2000	1840	92.0	2000	1850	92.5
Molybdenum						
Nickel	2000	1890	94.5	2000	1860	93.0
Palladium						
Potassium	40000	41300	103.3	40000	41600	104.0
Selenium	2000	2180	109.0	2000	2140	107.0
Silicon						
Silver	250	242	96.8	250	244	97.6
Sodium	40000	42300	105.8	40000	42600	106.5
Sulfur						
Strontium						
Thallium	2000	2000	100.0	2000	1970	98.5
Tin	anr					
Titanium						
Tungsten						
Vanadium	2000	1930	96.5	2000	1950	97.5
Zinc	2000	1770	88.5*(a)	2000	1740	87.0*(a)

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34145 Units: ug/l

Time:		03:37			04:07	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	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.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				12:35		12:41		12:48	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	205	102.5	99.0	99.0	496	99.2
Antimony	6.0	20	3.0	6.8	113.3	3.7	123.3	20.0	100.0
Arsenic	8.0	20	3.0	8.3	103.8	3.2	106.7	21.0	105.0
Barium	200		4.0	201	100.5	3.8	95.0		
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.3	110.0	1.1	110.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	10.7	107.0	2.0	100.0		
Cobalt	50		3.0	52.1	104.2	3.3	110.0		
Copper	10		2.0	9.2	92.0	1.5	75.0		
Iron	100	500		109	109.0			531	106.2
Lead	3.0	20	2.5	2.6	86.7	2.5	100.0	20.3	101.5
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	16.7	111.3	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	11.2	112.0	4.3	107.5		
Palladium	50								
Potassium	5000		2000	5070	101.4	2040	102.0		
Selenium	10	20	5.0	9.8	98.0	5.5	110.0	21.3	106.5
Silicon	200								
Silver	5.0		1.0	4.9	98.0	1.2	120.0		
Sodium	5000		1000	5100	102.0	1040	104.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.8	108.0	2.3	115.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	55.5	111.0	2.1	105.0		
Zinc	20		10	21.8	109.0				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				12:35		12:41		12:48	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

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LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				20:27		20:33		20:39	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	207	103.5	99.7	99.7	498	99.6
Antimony	6.0	20	3.0	7.2	120.0			21.3	106.5
Arsenic	8.0	20	3.0	8.9	111.3	3.5	116.7	20.5	102.5
Barium	200		4.0	214	107.0	4.0	100.0		
Beryllium	2.0		1.0	2.2	110.0	0.90	90.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.5	116.7	1.2	120.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	9.4	94.0	1.8	90.0		
Cobalt	50		3.0	48.6	97.2	2.9	96.7		
Copper	10		2.0	8.9	89.0				
Iron	100	500		105	105.0			508	101.6
Lead	3.0	20	2.5	3.2	106.7	2.6	104.0	19.9	99.5
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	15.3	102.0	3.1	103.3		
Molybdenum	20								
Nickel	10		4.0	9.6	96.0	3.4	85.0		
Palladium	50								
Potassium	5000		2000	5370	107.4	2160	108.0		
Selenium	10	20	5.0	11.8	118.0	6.2	124.0	22.4	112.0
Silicon	200								
Silver	5.0		1.0	4.6	92.0	0.90	90.0		
Sodium	5000		1000	5510	110.2	1120	112.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.0	110.0	2.1	105.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.0	104.0	2.3	115.0		
Zinc	20		10	19.6	98.0	13.0	130.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				20:27		20:33		20:39	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				01:00		01:06		01:12	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	197	98.5	99.1	99.1	497	99.4
Antimony	6.0	20	3.0	7.1	118.3			22.4	112.0
Arsenic	8.0	20	3.0	9.0	112.5	2.8	93.3	19.7	98.5
Barium	200		4.0	212	106.0	4.2	105.0		
Beryllium	2.0		1.0	2.1	105.0	1.0	100.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.6	120.0	1.1	110.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	9.5	95.0	1.8	90.0		
Cobalt	50		3.0	48.1	96.2	3.0	100.0		
Copper	10		2.0	10.0	100.0	2.1	105.0		
Iron	100	500		103	103.0			519	103.8
Lead	3.0	20	2.5	2.2	73.3	1.9	76.0	19.0	95.0
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	15.0	100.0	3.0	100.0		
Molybdenum	20								
Nickel	10		4.0	9.0	90.0	2.9	72.5		
Palladium	50								
Potassium	5000		2000	5190	103.8	2100	105.0		
Selenium	10	20	5.0	11.0	110.0	6.0	120.0	25.6	128.0
Silicon	200								
Silver	5.0		1.0	5.0	100.0	0.70	70.0		
Sodium	5000		1000	5330	106.6	1110	111.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.6	116.0	2.5	125.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	52.0	104.0	1.9	95.0		
Zinc	20		10	18.8	94.0	12.4	124.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				01:00		01:06		01:12	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				03:49		03:55		04:01	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID4		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	205	102.5	100	100.0	496	99.2
Antimony	6.0	20	3.0	6.7	111.7	2.9	96.7	22.4	112.0
Arsenic	8.0	20	3.0	8.9	111.3	2.2	73.3	20.3	101.5
Barium	200		4.0	216	108.0	4.4	110.0		
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.6	120.0				
Calcium	5000		1000	anr					
Chromium	10		2.0	9.6	96.0	1.8	90.0		
Cobalt	50		3.0	49.6	99.2	3.0	100.0		
Copper	10		2.0	12.4	124.0				
Iron	100	500		103	103.0			500	100.0
Lead	3.0	20	2.5	2.9	96.7			17.8	89.0
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	14.8	98.7	3.0	100.0		
Molybdenum	20								
Nickel	10		4.0	9.0	90.0	2.9	72.5		
Palladium	50								
Potassium	5000		2000	5150	103.0	2080	104.0		
Selenium	10	20	5.0	12.6	126.0			24.2	121.0
Silicon	200								
Silver	5.0		1.0	5.1	102.0	1.0	100.0		
Sodium	5000		1000	5250	105.0	1100	110.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.3	103.0	2.1	105.0		
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	51.1	102.2	1.7	85.0		
Zinc	20		10	18.9	94.5	12.3	123.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34145 Units: ug/l

Time:				03:49		03:55		04:01	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID4		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

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INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34145 Units: ug/l

Time:			12:54		13:00		20:45		20:51	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	516000	103.2	515000	103.0	525000	105.0	529000	105.8
Antimony		1000	7.7		1020	102.0	5.7		1090	109.0
Arsenic		1000	0.40		1060	106.0	1.7		1090	109.0
Barium		500	-0.40		515	103.0	-0.60		555	111.0
Beryllium		500	0.0		516	103.2	0.0		513	102.6
Bismuth		500	2.9		556	111.2	-0.10		612	122.4
Boron			-0.60		5.7		0.30		6.5	
Cadmium		1000	-1.1		1010	101.0	-1.4		1030	103.0
Calcium	400000	400000	396000	99.0	393000	98.3	363000	90.8	367000	91.8
Chromium		500	-1.4		466	93.2	-1.1		418	83.6
Cobalt		500	0.40		477	95.4	0.90		451	90.2
Copper		500	7.6		532	106.4	8.5		572	114.4
Iron	200000	200000	199000	99.5	197000	98.5	193000	96.5	192000	96.0
Lead		1000	-3.5		947	94.7	1.2		900	90.0
Lithium		500	2.6		558	111.6	2.7		622	124.4
Magnesium	500000	500000	563000	112.6	574000	114.8	529000	105.8	544000	108.8
Manganese		500	-0.60		503	100.6	-2.3		460	92.0
Molybdenum		500	-5.3		490	98.0	-5.8		501	100.2
Nickel		1000	-1.0		965	96.5	-1.6		915	91.5
Palladium		500	14.5		541	108.2	16.2		572	114.4
Potassium			88.8		81.1		158		118	
Selenium		1000	6.2		1070	107.0	-0.70		1110	111.0
Silicon			12.8		3.9		3.2		-5.5	
Silver		1000	3.9		1030	103.0	-4.2		1030	103.0
Sodium			37.7		39.8		35.7		42.3	
Sulfur		500	-78		435	87.0	-80		442	88.4
Strontium			-6.4		-6.3		-4.2		-4.3	
Thallium		1000	0.90		957	95.7	-2.8		928	92.8
Tin			0.70		-0.80		1.6		1.5	
Titanium			0.30		0.20		0.20		0.10	
Tungsten		500	-2.6		552	110.4	-5.9		548	109.6
Vanadium		500	0.0		482	96.4	0.40		458	91.6
Zinc		1000	-0.20		955	95.5	-0.60		858	85.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060214M1.ICP Date Analyzed: 06/02/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34145 Units: ug/l

Time:			12:54		13:00		20:45		20:51	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-3.3		588	117.6	-4.1		572	114.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:31	MA34154-STD1	1		STDA
18:37	MA34154-STD2	1		STDB
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:56	MA34154-ICV1	1		
19:05	MA34154-ICB1	1		
19:11	MA34154-ICCV1	1		
19:22	MA34154-CCB1	1		
19:27	MA34154-CRI1	1		
19:33	MA34154-CRID1	1		
19:39	MA34154-CRIA1	1		
19:45	ZZZZZZ	15		
19:51	MA34154-ICSA1	1		
19:58	MA34154-ICSAB1	1		
20:04	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:16	MA34154-CCV1	1		
20:22	MA34154-CCB2	1		
20:28	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:40	ZZZZZZ	20		
20:46	MP79805-MB1	1		
20:52	MP79805-MB2	1		
20:58	MP79805-LC1	1		
21:04	MP79805-LC2	1		
21:10	MP79805-S1	1		
21:16	MP79805-S2	1		
21:22	MA34154-CCV2	1		
21:28	MA34154-CCB3	1		
21:34	JB68057-3	1		(sample used for QC only; not part of login JB67976)
21:40	MP79805-SD1	5		
21:46	ZZZZZZ	1		
21:52	MP79805-S1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:58	MP79805-S2	5		
22:04	JB68057-3	5		(sample used for QC only; not part of login JB67976)
22:10	MP79805-SD1	25		
22:16	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:28	MA34154-CCV3	1		
22:34	MA34154-CCB4	1		
22:40	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:52	MP79732-S1	1		
22:58	MP79732-S2	1		
23:04	JB67783-1	1		(sample used for QC only; not part of login JB67976)
23:10	MP79732-SD1	5		
23:16	MP79781-MB1	1		
23:22	MP79781-LC1	1		
23:28	ZZZZZZ	1		
23:34	MA34154-CCV4	1		
23:40	MA34154-CCB5	1		
23:46	ZZZZZZ	1		
23:52	JB67976-6	1		Bad reading on Y 3710
---------->	Last reportable sample/prep for job JB67976			
23:58	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:10	ZZZZZZ	1		
00:16	ZZZZZZ	1		
00:22	ZZZZZZ	1		
00:28	ZZZZZZ	1		
00:34	ZZZZZZ	1		
00:40	MA34154-CCV5	1		
00:46	MA34154-CCB6	1		
00:52	ZZZZZZ	1		
00:58	ZZZZZZ	1		
01:04	MP79672-MB4	1		
01:10	MP79672-LC2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:16	ZZZZZZ	1		
01:22	ZZZZZZ	1		
01:28	MP79718-MB1	1		
01:34	MP79718-B1	1		
01:40	ZZZZZZ	1		
01:46	MA34154-CCV6	1		
01:52	MA34154-CCB7	1		
01:58	MA34154-CRI2	1		
02:04	MA34154-CRID2	1		
02:10	MA34154-CRIA2	1		
02:16	MA34154-ICSA2	1		
02:22	MA34154-ICSAB2	1		
02:29	MA34154-CCV7	1		
02:34	MA34154-CCB8	1		
---------->	Last reportable CCB for job JB67976			
02:41	ZZZZZZ	1		
02:47	ZZZZZZ	1		
02:52	ZZZZZZ	1		
02:59	ZZZZZZ	1		
03:05	ZZZZZZ	1		
03:11	ZZZZZZ	5		
03:17	ZZZZZZ	1		
03:23	ZZZZZZ	1		
03:29	ZZZZZZ	1		
03:35	ZZZZZZ	1		
03:41	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:53	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:05	ZZZZZZ	1		
04:11	ZZZZZZ	1		
04:17	ZZZZZZ	1		
04:23	ZZZZZZ	1		
04:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:35	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:47	ZZZZZZ	1		
04:53	ZZZZZZ	1		
06:17	ZZZZZZ	1		
06:24	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:31	MA34154-STD1	2161 R	161450 R	31100 R	5831 R
18:37	MA34154-STD2	2025	151990	29737	5406
18:43	ZZZZZZ	2063	156820	30110	5513
18:49	ZZZZZZ	2130	165670	30889	5755
18:56	MA34154-ICV1	2050	154460	29926	5475
19:05	MA34154-ICB1	2114	159690	30770	5717
19:11	MA34154-ICCV1	2061	155630	30345	5507
19:22	MA34154-CCB1	2140	153140	30978	5777
19:27	MA34154-CRI1	2123	158150	30497	5721
19:33	MA34154-CRID1	2129	158800	30755	5754
19:39	MA34154-CRIA1	2139	160530	29667	5772
19:45	ZZZZZZ	2128	160560	30451	5733
19:51	MA34154-ICSA1	1878	142970	27619	4873
19:58	MA34154-ICSAB1	1914	144010	28274	4963
20:04	ZZZZZZ	2097	157120	30209	5813
20:10	ZZZZZZ	2109	999999 !	30989	5766
20:16	MA34154-CCV1	2062	154970	29905	5501
20:22	MA34154-CCB2	2132	159930	30576	5741
20:28	ZZZZZZ	2128	999999 !	30469	5732
20:34	ZZZZZZ	2124	163120	29766	5753
20:40	ZZZZZZ	2139	163580	31048	5662
20:46	MP79805-MB1	2119	163760	30543	5684
20:52	MP79805-MB2	2140	159010	30560	5752
20:58	MP79805-LC1	2117	155240	30533	5724
21:04	MP79805-LC2	2114	160620	30908	5727
21:10	MP79805-S1	1951	149050	999999 !	5167
21:16	MP79805-S2	1937	140510	28736	5136
21:22	MA34154-CCV2	2045	154040	29826	5459
21:28	MA34154-CCB3	2109	160920	30599	5667
21:34	JB68057-3	1983	150510	999999 !	5243
21:40	MP79805-SD1	2095	158490	30492	5621
21:46	ZZZZZZ	1958	151420	29842	5084
21:52	MP79805-S1	2125	159860	30510	5698

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:58	MP79805-S2	2104	999999 !	999999 !	5653
22:04	JB68057-3	2110	157000	30653	5667
22:10	MP79805-SD1	2145	164370	31410	5779
22:16	ZZZZZZ	2154	159780	30000	5809
22:22	ZZZZZZ	2068	156520	29711	5709
22:28	MA34154-CCV3	2064	153940	29759	5484
22:34	MA34154-CCB4	2128	168700	30722	5705
22:40	ZZZZZZ	2030	154500	29596	5555
22:46	ZZZZZZ	2162	156860	999999 !	5834
22:52	MP79732-S1	1923	148030	999999 !	5011
22:58	MP79732-S2	1950	148690	29742	5091
23:04	JB67783-1	1987	150380	30582	5206
23:10	MP79732-SD1	2095	156220	999999 !	5596
23:16	MP79781-MB1	2137	162250	30796	5772
23:22	MP79781-LC1	2120	159910	30013	5718
23:28	ZZZZZZ	2160	158430	30866	5828
23:34	MA34154-CCV4	2048	153210	29589	5450
23:40	MA34154-CCB5	2169	161540	30747	5828
23:46	ZZZZZZ	2143	164630	30650	5791
23:52	JB67976-6	2194	153180	999999 !a	5916
23:58	ZZZZZZ	2122	159700	30622	5743
00:04	ZZZZZZ	2137	161050	30931	5769
00:10	ZZZZZZ	2164	151330	30840	5831
00:16	ZZZZZZ	2101	159690	30826	5687
00:22	ZZZZZZ	2166	159960	30768	5839
00:28	ZZZZZZ	999999 !a	162670	999999 !a	999999 !a
00:34	ZZZZZZ	2144	162100	31325	5810
00:40	MA34154-CCV5	2053	154710	29656	5477
00:46	MA34154-CCB6	2171	161570	29950	5837
00:52	ZZZZZZ	2093	157720	999999 !	5668
00:58	ZZZZZZ	1976	148290	29726	4966
01:04	MP79672-MB4	2132	160910	30467	5813
01:10	MP79672-LC2	2110	158590	30527	5748

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:16	ZZZZZZ	2135	161770	30927	5778
01:22	ZZZZZZ	2115	160840	31463	5757
01:28	MP79718-MB1	2110	159440	30120	5749
01:34	MP79718-B1	2097	159370	30111	5719
01:40	ZZZZZZ	2103	160280	29748	5740
01:46	MA34154-CCV6	2061	154740	29618	5513
01:52	MA34154-CCB7	2124	159140	30262	5740
01:58	MA34154-CRI2	2112	159630	30456	5713
02:04	MA34154-CRID2	2138	160670	30266	5781
02:10	MA34154-CRIA2	2157	162740	30867	5825
02:16	MA34154-ICSA2	1879	144020	27749	4883
02:22	MA34154-ICSAB2	1890	144380	27451	4928
02:29	MA34154-CCV7	2010	153630	29308	5385
02:34	MA34154-CCB8	2134	160050	30394	5770
02:41	ZZZZZZ	2139	160590	30217	5801
02:47	ZZZZZZ	2129	161240	30112	5794
02:52	ZZZZZZ	1882	142110	29149	4866
02:59	ZZZZZZ	1877	145490	29159	4857
03:05	ZZZZZZ	1901	144820	29008	4899
03:11	ZZZZZZ	2037	999999 !	29646	5430
03:17	ZZZZZZ	2053	155650	29456	5481
03:23	ZZZZZZ	2147	999999 !	30264	5789
03:29	ZZZZZZ	2117	999999 !	30224	5716
03:35	ZZZZZZ	2141	159320	30161	5777
03:41	ZZZZZZ	2162	160570	30410	5834
03:47	ZZZZZZ	2074	154590	999999 !	5532
03:53	ZZZZZZ	2169	160270	30386	5847
03:59	ZZZZZZ	2128	161540	30418	5753
04:05	ZZZZZZ	2144	161370	999999 !	5786
04:11	ZZZZZZ	2188	160770	30190	5887
04:17	ZZZZZZ	2131	160690	30138	5740
04:23	ZZZZZZ	2175	154930	27131	5511
04:29	ZZZZZZ	2129	156260	31833	5746

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
Analyst: GT Run ID: MA34154
Parameters: Sb,Ca,Mg,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:35	ZZZZZZ	2146	160830	30326	5775
04:41	ZZZZZZ	2126	159910	30392	5747
04:47	ZZZZZZ	2066	155160	28938	5511
04:53	ZZZZZZ	2165	162390	30589	5841
06:17	ZZZZZZ	2111	159610	30286	5715
06:24	ZZZZZZ	2065	999999 !	29487	5528

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34154 Units: ug/l

Time: / Sample ID:			19:05 ICB1		19:22 CCB1		20:22 CCB2		21:28 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	anr							
Antimony	6.0	1.3	0.90	<6.0	0.80	<6.0	1.2	<6.0	1.4	<6.0
Arsenic	3.0	1.2	anr							
Barium	200	.2	anr							
Beryllium	1.0	.04	anr							
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	-0.60	<5000	-2.2	<5000	4.1	<5000	7.2	<5000
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.5	anr							
Iron	100	3.8	anr							
Lead	3.0	1.3	anr							
Lithium	20	.8								
Magnesium	5000	12	5.1	<5000	4.4	<5000	-4.2	<5000	12.4	<5000
Manganese	15	.04	anr							
Molybdenum	20	.5								
Nickel	10	.7	anr							
Palladium	50	1								
Potassium	10000	17	anr							
Selenium	10	2	anr							
Silicon	200	8.4								
Silver	10	.3	anr							
Sodium	10000	7.1	anr							
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	anr							
Tin	10	.8								
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	anr							
Zinc	20	1.5	-0.20	<20	-0.20	<20	0.80	<20	0.80	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34154 Units: ug/l

Time:			19:05		19:22		20:22		21:28	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34154 Units: ug/l

Time: / Sample ID:			22:34 CCB4		23:40 CCB5		00:46 CCB6		01:52 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	anr							
Antimony	6.0	1.3	1.0	<500	1.1	<6.0	0.60	<6.0	0.60	<500
Arsenic	3.0	1.2	anr							
Barium	200	.2	anr							
Beryllium	1.0	.04	anr							
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	anr							
Calcium	5000	8.7	3.9	<10000	2.8	<5000	6.2	<5000	7.7	<10000
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.5	anr							
Iron	100	3.8	anr							
Lead	3.0	1.3	anr							
Lithium	20	.8								
Magnesium	5000	12	2.1	<10000	10.3	<5000	8.3	<5000	12.4	<10000
Manganese	15	.04	anr							
Molybdenum	20	.5								
Nickel	10	.7	anr							
Palladium	50	1								
Potassium	10000	17	anr							
Selenium	10	2	anr							
Silicon	200	8.4								
Silver	10	.3	anr							
Sodium	10000	7.1	anr							
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	anr							
Tin	10	.8								
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	anr							
Zinc	20	1.5	0.80	<20	0.80	<20	0.90	<20	0.60	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34154 Units: ug/l

Time:			22:34		23:40		00:46		01:52	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34154 Units: ug/l

Time:			02:34	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	6.7	anr	
Antimony	6.0	1.3	0.30	<500
Arsenic	3.0	1.2	anr	
Barium	200	.2	anr	
Beryllium	1.0	.04	anr	
Bismuth	20	1.2		
Boron	100	1.2		
Cadmium	3.0	.2	anr	
Calcium	5000	8.7	3.3	<10000
Chromium	10	.3	anr	
Cobalt	50	.4	anr	
Copper	10	.5	anr	
Iron	100	3.8	anr	
Lead	3.0	1.3	anr	
Lithium	20	.8		
Magnesium	5000	12	2.9	<10000
Manganese	15	.04	anr	
Molybdenum	20	.5		
Nickel	10	.7	anr	
Palladium	50	1		
Potassium	10000	17	anr	
Selenium	10	2	anr	
Silicon	200	8.4		
Silver	10	.3	anr	
Sodium	10000	7.1	anr	
Sulfur	50	4.4		
Strontium	10	.09		
Thallium	2.0	1.4	anr	
Tin	10	.8		
Titanium	10	.4		
Tungsten	50	11		
Vanadium	50	.3	anr	
Zinc	20	1.5	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34154 Units: ug/l

Time:			02:34	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zirconium	10	.6		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		19:11	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	2000	2040	102.0
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	40000	39700	99.3
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	40000	39200	98.0
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		19:11	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		18:56			20:16			21:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	2020	101.0	2000	2040	102.0	2000	2050	102.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	40000	41000	102.5	40000	40100	100.3	40000	39900	99.8
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	41800	104.5	40000	39600	99.0	40000	39500	98.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	2000	2090	104.5	2000	2110	105.5	2000	2120	106.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		18:56			20:16			21:22	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		22:28			23:34			00:40	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	40000	40500	101.3	40000	40600	101.5	40000	40700	101.8
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	40000	100.0	40000	40100	100.3	40000	40000	100.0
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	2000	2150	107.5	2000	2150	107.5	2000	2140	107.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		22:28			23:34			00:40	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		01:46			02:29	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	2000	2040	102.0	2000	2100	105.0
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	40000	40400	101.0	40000	40700	101.8
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	40000	39800	99.5	40000	40300	100.8
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	2000	2100	105.0	2000	2160	108.0

10.2.4 10

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34154 Units: ug/l

Time:		01:46			02:29	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34154 Units: ug/l

Time:				19:27		19:33		19:39	
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	7.1	118.3	3.8	126.7	21.2	106.0
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	5090	101.8	1050	105.0		
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	5070	101.4	106	106.0		
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	24.3	121.5	12.7	127.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34154 Units: ug/l

Time:				19:27		19:33		19:39	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

10.2.5 10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34154 Units: ug/l

Time:				01:58		02:04		02:10	
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	7.5	125.0	3.4	113.3	21.2	106.0
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	5060	101.2	1050	105.0		
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	5030	100.6	111	111.0		
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	24.0	120.0	12.7	127.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34154 Units: ug/l

Time:				01:58		02:04		02:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

10.2.5 10

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34154 Units: ug/l

Time:			19:51		19:58		02:16		02:22	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	534000	106.8	518000	103.6	524000	104.8	527000	105.4
Antimony		1000	5.7		1030	103.0	5.1		1050	105.0
Arsenic		1000	2.7		1080	108.0	1.0		1100	110.0
Barium		500	-0.20		526	105.2	-0.20		536	107.2
Beryllium		500	0.0		521	104.2	0.0		534	106.8
Bismuth		500	15.0		576	115.2	15.1		585	117.0
Boron			-1.9		-1.2		-3.8		-1.8	
Cadmium		1000	2.1		1040	104.0	2.1		1060	106.0
Calcium	400000	400000	410000	102.5	398000	99.5	405000	101.3	406000	101.5
Chromium		500	-0.10		484	96.8	-0.10		483	96.6
Cobalt		500	-0.30		492	98.4	-0.20		496	99.2
Copper		500	3.1		545	109.0	2.9		545	109.0
Iron	200000	200000	205000	102.5	198000	99.0	201000	100.5	200000	100.0
Lead		1000	-2.3		1010	101.0	-3.0		1020	102.0
Lithium		500	1.3		564	112.8	1.0		576	115.2
Magnesium	500000	500000	581000	116.2	573000	114.6	568000	113.6	585000	117.0
Manganese		500	0.0		510	102.0	0.20		507	101.4
Molybdenum		500	-4.8		500	100.0	-4.6		507	101.4
Nickel		1000	-0.40		989	98.9	-0.50		999	99.9
Palladium		500	6.0		567	113.4	5.9		566	113.2
Potassium			144		113		102		74.5	
Selenium		1000	0.40		1050	105.0	2.5		1080	108.0
Silicon			12.5		3.0		11.0		2.0	
Silver		1000	2.9		1060	106.0	2.3		1060	106.0
Sodium			15.4		15.2		24.6		22.4	
Sulfur		500	-68		439	87.8	-71		444	88.8
Strontium			-6.7		-6.5		-6.6		-6.7	
Thallium		1000	0.50		971	97.1	0.30		977	97.7
Tin			-0.40		0.50		0.30		2.1	
Titanium			0.40		0.30		0.0		0.40	
Tungsten		500	10.0		559	111.8	8.4		566	113.2
Vanadium		500	0.80		488	97.6	0.80		487	97.4
Zinc		1000	-0.60		988	98.8	-0.40		999	99.9

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA060314M1.ICP Date Analyzed: 06/03/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34154 Units: ug/l

Time:			19:51		19:58		02:16		02:22	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	6.6		605	121.0*	6.8		601	120.2*

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34164
Parameters: Ca,Mg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:21	MA34164-STD1	1		STDA
11:27	MA34164-STD2	1		STDB
11:32	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:51	MA34164-ICV1	1		High RSD.
12:00	MA34164-ICV2	1		
12:13	MA34164-ICB1	1		
12:20	MA34164-ICCV1	1		High RSD.
12:27	MA34164-ICCV2	1		
12:39	MA34164-CCB1	1		
12:44	MA34164-CRI1	1		
12:50	MA34164-CRID1	1		See rerun.
12:56	MA34164-CRIA1	1		Not needed.
13:02	MA34164-CRID2	1		
13:08	MA34164-ICSA1	1		
13:15	MA34164-ICSAB1	1		
13:21	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:33	MA34164-CCV1	1		
13:39	MA34164-CCB2	1		
13:45	ZZZZZZ	1		
13:51	MP79835-MB1	1		
13:57	ZZZZZZ	3		
14:03	ZZZZZZ	1		
14:09	MP79856-B1	1		
14:15	JB68351-4	1		(sample used for QC only; not part of login JB67976)
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	1		
14:32	ZZZZZZ	1		
14:38	ZZZZZZ	5		
14:45	MA34164-CCV2	1		
14:51	MA34164-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34164
Parameters: Ca,Mg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:57	MP79856-MB1	1		
15:03	ZZZZZZ	3		
15:09	MP79859-B1	1		
15:15	MP79859-MB1	1		
15:21	JB68093-1A	1		(sample used for QC only; not part of login JB67976)
15:27	MP79863-LC1	1		
15:33	MP79863-MB1	1		
15:39	ZZZZZZ	1		
15:45	JB67976-6	1		
---------->	Last reportable sample/prep for job JB67976			
15:52	MA34164-CCV3	1		
15:57	MA34164-CCB4	1		
16:03	MA34164-CRID3	1		
16:10	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:21	MA34164-CRI2	1		
16:26	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:48	MA34164-CCV4	1		
16:54	MA34164-CCB5	1		
---------->	Last reportable CCB for job JB67976			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34164
Parameters: Ca,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:21	MA34164-STD1	2867 R	71503 R	14220 R	3953 R
11:27	MA34164-STD2	2629	68541	14316	3528
11:32	ZZZZZZ	2754	70023	14053	3705
11:38	ZZZZZZ	2846	70127	14183	3919
11:45	ZZZZZZ	2744	65093	14290	3691
11:51	MA34164-ICV1	No results reported for the elements associated with this internal standard.			
12:00	MA34164-ICV2	2736	68539	13906	3681
12:13	MA34164-ICB1	2839	70562	13894	3915
12:20	MA34164-ICCV1	No results reported for the elements associated with this internal standard.			
12:27	MA34164-ICCV2	2732	69214	14117	3695
12:39	MA34164-CCB1	2794	70899	13889	3894
12:44	MA34164-CRI1	2812	71517	13870	3940
12:50	MA34164-CRID1	No results reported for the elements associated with this internal standard.			
12:56	MA34164-CRIA1	No results reported for the elements associated with this internal standard.			
13:02	MA34164-CRID2	2818	71966	13876	3943
13:08	MA34164-ICSA1	2429	62292	13179	3238
13:15	MA34164-ICSAB1	2403	61969	12986	3212
13:21	ZZZZZZ	2746	70797	13890	3877
13:27	ZZZZZZ	2734	71760	13910	3922
13:33	MA34164-CCV1	2685	68921	13873	3667
13:39	MA34164-CCB2	2786	73502	14000	3914
13:45	ZZZZZZ	2723	70679	14104	3861
13:51	MP79835-MB1	2719	70990	14285	3849
13:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:03	ZZZZZZ	2741	71046	13947	3871
14:09	MP79856-B1	2734	70709	14022	3808
14:15	JB68351-4	2825	74079	15017	3707
14:21	ZZZZZZ	2726	70490	14577	3685
14:26	ZZZZZZ	2751	70930	14471	3749
14:32	ZZZZZZ	2792	74937	14831	3691
14:38	ZZZZZZ	2638	68703	13646	3614
14:45	MA34164-CCV2	2668	68915	13537	3649
14:51	MA34164-CCB3	2769	71031	13759	3885

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34164
Parameters: Ca,Mg

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:57	MP79856-MB1	2763	71349	14033	3897
15:03	ZZZZZZ	2839	72838	14461	3667
15:09	MP79859-B1	2720	70051	13675	3802
15:15	MP79859-MB1	2716	69856	13750	3836
15:21	JB68093-1A	2572	66027	13346	3514
15:27	MP79863-LC1	2672	69398	13930	3772
15:33	MP79863-MB1	2703	69961	12477	3835
15:39	ZZZZZZ	2523	66327	13741	3516
15:45	JB67976-6	2759	71040	13865	3878
15:52	MA34164-CCV3	2651	68655	13541	3631
15:57	MA34164-CCB4	2764	70435	13610	3871
16:03	MA34164-CRID3	2757	70582	13664	3860
16:10	ZZZZZZ	2762	70752	13834	3875
16:16	ZZZZZZ	2766	70467	13612	3878
16:21	MA34164-CRI2	2760	70513	13528	3874
16:26	ZZZZZZ	2780	69544	13928	3876
16:31	ZZZZZZ	2765	72677	13433	3890
16:48	MA34164-CCV4	2678	68957	13457	3659
16:54	MA34164-CCB5	2778	70202	13558	3882

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34164 Units: ug/l

Time: / Sample ID:			12:13 ICB1		12:39 CCB1		13:39 CCB2		14:51 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	anr							
Antimony	6.0	1.6	anr							
Arsenic	3.0	2.2	anr							
Barium	200	.3	anr							
Beryllium	1.0	.1	anr							
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	23	4.1	<5000	7.0	<5000	11.2	<5000	14.6	<5000
Chromium	10	.8	anr							
Cobalt	50	.3								
Copper	10	1.2	anr							
Iron	100	7.1	anr							
Lead	3.0	1.8	anr							
Lithium	20	.8								
Magnesium	5000	34	-17	<5000	9.5	<5000	-5.4	<5000	-1.4	<5000
Manganese	15	.2	anr							
Molybdenum	20	.6								
Nickel	10	.7	anr							
Palladium	50	1.2								
Potassium	10000	21	anr							
Selenium	10	3.2	anr							
Silicon	200	6.7								
Silver	10	.5	anr							
Sodium	10000	18	anr							
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	anr							
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	anr							
Zinc	20	3.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34164 Units: ug/l

Time:			12:13		12:39		13:39		14:51	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34164 Units: ug/l

Time:			15:57		16:54	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	16	anr			
Antimony	6.0	1.6	anr			
Arsenic	3.0	2.2	anr			
Barium	200	.3	anr			
Beryllium	1.0	.1	anr			
Bismuth	20	1.4				
Boron	100	1				
Cadmium	3.0	.3	anr			
Calcium	5000	23	12.6	<5000	14.7	<5000
Chromium	10	.8	anr			
Cobalt	50	.3				
Copper	10	1.2	anr			
Iron	100	7.1	anr			
Lead	3.0	1.8	anr			
Lithium	20	.8				
Magnesium	5000	34	-9.9	<5000	-3.6	<5000
Manganese	15	.2	anr			
Molybdenum	20	.6				
Nickel	10	.7	anr			
Palladium	50	1.2				
Potassium	10000	21	anr			
Selenium	10	3.2	anr			
Silicon	200	6.7				
Silver	10	.5	anr			
Sodium	10000	18	anr			
Sulfur	50	13				
Strontium	10	.2				
Thallium	2.0	1.7	anr			
Tin	10	1.3				
Titanium	10	.7				
Tungsten	50	8.5				
Vanadium	50	.5	anr			
Zinc	20	3.4	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34164 Units: ug/l

Time:			15:57		16:54	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.5				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34164 Units: ug/l

Time:		12:27	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	40000	41400	103.5
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	40000	41100	102.8
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34164 Units: ug/l

Time:		12:27	
Sample ID:	ICCV	ICCV2	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34164 Units: ug/l

Time:		12:00			13:33			14:45	
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	40000	41200	103.0	40000	42700	106.8	40000	42700	106.8
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	40000	41000	102.5	40000	42200	105.5	40000	41900	104.8
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34164 Units: ug/l

Time:		12:00			13:33			14:45	
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34164 Units: ug/l

Time:		15:52			16:48	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	40000	42600	106.5	40000	42900	107.3
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	40000	41800	104.5	40000	42100	105.3
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34164 Units: ug/l

Time:		15:52			16:48	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34164 Units: ug/l

Time:				12:44		13:02		16:03	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
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	5600	112.0	1170	117.0	1190	119.0
Chromium	10		2.0	anr					
Cobalt	50		3.0						
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000		100	5630	112.6	97.2	97.2	117	117.0
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		1.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34164 Units: ug/l

Time:				12:44		13:02		16:03	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34164 Units: ug/l

Time:				16:21	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	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	5590	111.8
Chromium	10		2.0	anr	
Cobalt	50		3.0		
Copper	10		2.0	anr	
Iron	100	500		anr	
Lead	3.0	20	2.5	anr	
Lithium	20				
Magnesium	5000		100	5650	113.0
Manganese	15		3.0	anr	
Molybdenum	20				
Nickel	10		4.0	anr	
Palladium	50				
Potassium	5000		2000	anr	
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		1.0	anr	
Sodium	5000		1000	anr	
Sulfur	50				
Strontium	10				
Thallium	10		2.0	anr	
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	
Zinc	20		10	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34164 Units: ug/l

Time:				16:21	
Sample ID:	CRI	CRIA	CRID	CRI2	
Metal	True	True	True	Results	% Rec
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34164 Units: ug/l

Time:			13:08		13:15	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	551000	110.2	568000	113.6
Antimony		1000	2.7		1090	109.0
Arsenic		1000	3.1		1120	112.0
Barium		500	-1.5		554	110.8
Beryllium		500	0.80		551	110.2
Bismuth		500	29.7		585	117.0
Boron			-0.90		17.3	
Cadmium		1000	3.5		1070	107.0
Calcium	400000	400000	414000	103.5	418000	104.5
Chromium		500	0.80		506	101.2
Cobalt		500	-1.6		500	100.0
Copper		500	0.80		559	111.8
Iron	200000	200000	210000	105.0	211000	105.5
Lead		1000	5.1		999	99.9
Lithium		500	4.3		611	122.2
Magnesium	500000	500000	552000	110.4	570000	114.0
Manganese		500	5.8		531	106.2
Molybdenum		500	0.70		537	107.4
Nickel		1000	0.60		967	96.7
Palladium		500	-9.8		583	116.6
Potassium			-58		-29	
Selenium		1000	10.0		1190	119.0
Silicon			-2.2		-1.8	
Silver		1000	5.0		1110	111.0
Sodium			-16		-7.8	
Sulfur		500	-20		498	99.6
Strontium			-5.2		-5.2	
Thallium		1000	0.30		1000	100.0
Tin			-1.4		-3.1	
Titanium			1.3		2.2	
Tungsten		500	-44		558	111.6
Vanadium		500	4.8		502	100.4
Zinc		1000	2.0		1010	101.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060414M1.ICP Date Analyzed: 06/04/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34164 Units: ug/l

Time:			13:08		13:15	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500				

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
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 JB67976)
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 JB67976)
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: JB67976
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	JB67976-6	1		
---------->	Last reportable sample/prep for job JB67976			
13:36	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:39	MA34168-CCV3	1		
13:40	MA34168-CCB4	1		
13:41	ZZZZZZ	1		
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 JB67976)
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: JB67976
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 JB67976)
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 JB67976)
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: JB67976
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 JB67976)
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 JB67976
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
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:			12:26 ICB1		12:29 CCB1		13:07 CCB2		13:24 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: JB67976
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

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
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: JB67976
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: JB67976
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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
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

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
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: JB67976
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: JB67976
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
11:34	MA34188-STD1	1		STDA
11:40	MA34188-STD2	1		STDB
11:45	ZZZZZZ	1		
11:51	ZZZZZZ	1		
11:58	MA34188-ICV1	1		
12:12	MA34188-ICB1	1		
12:19	MA34188-ICCV1	1		
12:34	MA34188-CCB1	1		
12:39	MA34188-CRI1	1		
12:45	MA34188-CRID1	1		
12:51	MA34188-CRIA1	1		
12:58	MA34188-ICSA1	1		
13:04	MA34188-ICSAB1	1		
13:10	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:22	MA34188-CCV1	1		
13:28	MA34188-CCB2	1		
13:34	MA34188-CRI2	1		
13:40	MP79912-MB1	1		
13:46	MP79912-LC1	1		
13:52	MP79912-S1	1		Reprep for Ag
13:58	MP79912-S2	1		Reprep for Ag
14:04	JB68571-3	1		(sample used for QC only; not part of login JB67976)
14:10	MP79912-SD1	5		
14:16	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:28	MA34188-CCV2	1		
14:34	MA34188-CCB3	1		
14:40	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:58	ZZZZZZ	1		
15:04	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
15:10	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:34	MA34188-CCV3	1		
15:40	MA34188-CCB4	1		
15:46	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:22	MP79886-B2	1		bad spiking solution for Ag confirmed on MA34196 at 15:24
16:28	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:39	MA34188-CCV4	1		
16:45	MA34188-CCB5	1		
16:51	MP79888-MB1	1		
16:57	MP79888-MB2	1		
17:03	MP79888-LC1	1		
17:09	MP79888-LC2	1		
17:15	MP79888-S1	1		
17:21	MP79888-S2	1		
17:27	JB68374-7A	1		(sample used for QC only; not part of login JB67976)
17:33	MP79888-SD1	5		
17:39	ZZZZZZ	3		
17:45	MA34188-CCV5	1		
17:51	MA34188-CCB6	1		
17:57	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:09	ZZZZZZ	1		
18:15	MP79846-MB2	1		
18:21	MP79846-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
18:27	MP79846-S1	1		
18:32	MP79846-S2	1		
18:38	JB67912-25A	1		(sample used for QC only; not part of login JB67976)
18:44	MP79846-SD1	1		
18:50	MA34188-CCV6	1		
18:56	MA34188-CCB7	1		
19:02	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:32	ZZZZZZ	5		
19:38	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:50	MP79886-MB2	1		
19:56	MA34188-CCV7	1		
20:02	MA34188-CCB8	1		
20:08	MA34188-CRI3	1		
20:14	MA34188-CRID2	1		
20:20	MA34188-CRIA2	1		
20:26	MA34188-ICSA2	1		
20:32	MA34188-ICSAB2	1		
20:38	ZZZZZZ	1		
20:44	ZZZZZZ	1		
20:50	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:05	MA34188-CCV8	1		
21:11	MA34188-CCB9	1		
21:17	ZZZZZZ	1		
21:23	MP79886-LC2	1		
21:29	MP79886-S1	1		reprep for Ag
21:34	MP79886-S2	1		reprep for Ag
21:40	JB68100-13A	1		(sample used for QC only; not part of login JB67976)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
21:46	MP79886-SD1	5		
21:52	JB67976-1	1		
21:58	JB67976-2	1		
22:04	JB67976-3	1		
22:10	MA34188-CCV9	1		
22:16	MA34188-CCB10	1		
22:22	JB67976-4	1		
22:28	JB67976-5	1		
22:34	JB67976-8	1		
22:40	JB67976-9	1		
22:46	JB67976-10	1		
22:52	JB67976-11	1		
22:57	JB67976-12	1		
---------->	Last reportable sample/prep for job JB67976			
23:03	ZZZZZZ	1		
23:09	ZZZZZZ	1		
23:15	MA34188-CCV10	1		
23:21	MA34188-CCB11	1		
23:27	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:39	ZZZZZZ	1		
23:45	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:57	ZZZZZZ	1		
00:03	ZZZZZZ	3		
00:09	MP79915-MB1	1		
00:15	MP79915-B1	1		
00:21	MA34188-CCV11	1		
00:27	MA34188-CCB12	1		
00:33	MP79915-S1	1		
00:39	MP79915-S2	1		
00:45	JB68234-8	1		(sample used for QC only; not part of login JB67976)
00:50	MP79915-SD1	5		
00:56	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
01:02	ZZZZZZ	1		
01:08	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:20	ZZZZZZ	1		
01:26	MA34188-CCV12	1		
01:32	MA34188-CCB13	1		
01:38	ZZZZZZ	1		
01:44	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:56	ZZZZZZ	1		
02:02	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:14	ZZZZZZ	1		
02:20	ZZZZZZ	1		
02:26	ZZZZZZ	1		
02:32	MA34188-CCV13	1		
02:37	MA34188-CCB14	1		
02:44	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:01	ZZZZZZ	1		
03:07	ZZZZZZ	1		
03:13	MP79878-MB2	1		
03:19	MP79878-LC1	1		
03:25	MP79878-B2	1		
03:31	MP79878-D1	1		
03:37	MA34188-CCV14	1		
03:43	MA34188-CCB15	1		
03:49	MA34188-CRI4	1		
03:55	MA34188-CRID3	1		
04:01	MA34188-CRIA3	1		
04:07	MA34188-CCV15	1		
04:13	MA34188-CCB16	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
04:19	MP79878-S1	1		
04:25	MP79878-S2	1		
04:31	JB68149-11	1		(sample used for QC only; not part of login JB67976)
04:37	MP79878-SD1	5		
04:43	ZZZZZZ	1		
04:49	ZZZZZZ	1		
04:55	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:07	ZZZZZZ	1		
05:13	MA34188-CCV16	1		
05:19	MA34188-CCB17	1		
05:25	ZZZZZZ	1		
05:31	ZZZZZZ	1		
05:37	MA34188-CCV17	1		
05:43	MA34188-CCB18	1		
05:49	MA34188-CRI5	1		
05:55	MA34188-CRID4	1		
06:01	MA34188-CRIA4	1		
06:07	MA34188-CCV18	1		
06:13	MA34188-CCB19	1		
06:21	MA34188-ICSA3	1		
06:27	MA34188-ICSAB3	1		
06:33	MP79910-LC1	1		
06:39	MP79910-MB1	1		
06:46	MP79910-S1	1		
06:51	MP79910-S2	1		
06:57	JB68344-2	1		(sample used for QC only; not part of login JB67976)
07:03	MP79910-SD1	5		
07:09	ZZZZZZ	1		
07:15	MA34188-CCV19	1		
07:21	MA34188-CCB20	1		
---------->	Last reportable CCB for job JB67976			
07:27	ZZZZZZ	1		
07:33	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
07:39	ZZZZZZ	1		
07:46	ZZZZZZ	1		
07:52	ZZZZZZ	1		
07:58	JB68344-1	1		(sample used for QC only; not part of login JB67976)
08:04	MP79910-S2	1		
08:10	ZZZZZZ	1		
08:16	MA34188-CCV20	1		
08:22	MA34188-CCB21	1		
08:28	MA34188-CRI6	1		
08:34	MA34188-CRID5	1		
08:40	MA34188-ICSA4	1		
08:46	MA34188-ICSAB4	1		
08:52	MA34188-CCV21	1		
08:58	MA34188-CCB22	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
11:34	MA34188-STD1	2656 R	81341 R	15028 R	3964 R
11:40	MA34188-STD2	2366	74450	14517	3337
11:45	ZZZZZZ	2433	76496	14713	3452
11:51	ZZZZZZ	2638	81479	15024	3938
11:58	MA34188-ICV1	2482	76106	14924	3515
12:12	MA34188-ICB1	2690	81513	15234	4018
12:19	MA34188-ICCV1	2498	77517	15040	3526
12:34	MA34188-CCB1	2685	80945	14958	3998
12:39	MA34188-CRI1	No results reported for the elements associated with this internal standard.			
12:45	MA34188-CRID1	2627	79593	14875	3905
12:51	MA34188-CRIA1	2639	79286	14997	3921
12:58	MA34188-ICSA1	2126	66832	13729	2974
13:04	MA34188-ICSAB1	2147	68630	14072	3009
13:10	ZZZZZZ	2582	78672	14851	3816
13:16	ZZZZZZ	2590	80617	14974	3916
13:22	MA34188-CCV1	2472	76954	14577	3487
13:28	MA34188-CCB2	2649	80498	14937	3937
13:34	MA34188-CRI2	2622	79724	14831	3867
13:40	MP79912-MB1	2645	81770	15171	3966
13:46	MP79912-LC1	2614	80257	15095	3817
13:52	MP79912-S1	2352	74696	14544	3294
13:58	MP79912-S2	2337	74296	14534	3278
14:04	JB68571-3	2384	75324	14595	3368
14:10	MP79912-SD1	2548	77300	14716	3725
14:16	ZZZZZZ	2592	81272	14981	3852
14:22	ZZZZZZ	2579	80356	14976	3818
14:28	MA34188-CCV2	2465	77213	14647	3475
14:34	MA34188-CCB3	2618	79847	15496	3895
14:40	ZZZZZZ	2495	77532	14670	3632
14:46	ZZZZZZ	2454	77635	14920	3580
14:52	ZZZZZZ	2482	78181	14696	3619
14:58	ZZZZZZ	2503	77528	14735	3645
15:04	ZZZZZZ	2521	78968	14820	3717

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
15:10	ZZZZZZ	2524	78508	14735	3712
15:16	ZZZZZZ	2515	78371	14722	3701
15:22	ZZZZZZ	2621	80812	14717	3925
15:28	ZZZZZZ	2419	77069	14718	3484
15:34	MA34188-CCV3	2469	76683	14433	3480
15:40	MA34188-CCB4	2646	80119	14791	3935
15:46	ZZZZZZ	2450	74895	14551	3498
15:52	ZZZZZZ	2448	77107	14672	3485
15:58	ZZZZZZ	2464	77098	14641	3559
16:04	ZZZZZZ	2503	76568	14671	3594
16:10	ZZZZZZ	2639	80642	14902	3947
16:16	ZZZZZZ	2524	79246	14791	3712
16:22	MP79886-B2	2538	78903	14739	3640
16:28	ZZZZZZ	2545	78913	14843	3722
16:33	ZZZZZZ	2535	79174	14946	3690
16:39	MA34188-CCV4	2454	76979	14612	3463
16:45	MA34188-CCB5	2658	80659	14859	3953
16:51	MP79888-MB1	2717	82014	15266	4130
16:57	MP79888-MB2	2639	80137	15064	4022
17:03	MP79888-LC1	2597	79787	14964	3848
17:09	MP79888-LC2	2638	81256	15134	3893
17:15	MP79888-S1	2402	75685	14437	3451
17:21	MP79888-S2	2410	75026	14547	3459
17:27	JB68374-7A	2412	76596	14629	3542
17:33	MP79888-SD1	2565	78243	14580	3800
17:39	ZZZZZZ	2547	78974	15034	3645
17:45	MA34188-CCV5	2447	76009	14293	3453
17:51	MA34188-CCB6	2623	79693	14666	3893
17:57	ZZZZZZ	2484	81007	15920	3469
18:03	ZZZZZZ	2364	75465	14836	3417
18:09	ZZZZZZ	2537	79219	15092	3598
18:15	MP79846-MB2	2619	80548	14820	3952
18:21	MP79846-B2	2508	78441	14552	3615

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
18:27	MP79846-S1	2474	78612	15056	3473
18:32	MP79846-S2	2516	79116	15057	3536
18:38	JB67912-25A	2556	80468	15366	3647
18:44	MP79846-SD1	2637	80906	14958	3821
18:50	MA34188-CCV6	2448	75677	14381	3448
18:56	MA34188-CCB7	2615	79707	14528	3888
19:02	ZZZZZZ	2230	73674	14626	3379
19:08	ZZZZZZ	2622	79672	14790	3970
19:14	ZZZZZZ	2472	77846	14960	3526
19:20	ZZZZZZ	2526	78400	14866	3650
19:26	ZZZZZZ	2408	76860	14965	3442
19:32	ZZZZZZ	2460	76934	14407	3664
19:38	ZZZZZZ	2501	80500	15377	3533
19:44	ZZZZZZ	2536	999999 !a	14705	3720
19:50	MP79886-MB2	2607	81812	14596	3881
19:56	MA34188-CCV7	2453	76151	14376	3446
20:02	MA34188-CCB8	2626	79831	14507	3892
20:08	MA34188-CRI3	2592	79102	14435	3813
20:14	MA34188-CRID2	2626	78816	14661	3886
20:20	MA34188-CRIA2	2629	78955	14465	3889
20:26	MA34188-ICSA2	2092	67088	13520	2927
20:32	MA34188-ICSAB2	2086	66811	13336	2924
20:38	ZZZZZZ	2630	77828	14422	3899
20:44	ZZZZZZ	2617	78478	14029	3861
20:50	ZZZZZZ	2598	80899	14166	3860
20:58	ZZZZZZ	2427	75047	13992	3445
21:05	MA34188-CCV8	2437	75299	14125	3460
21:11	MA34188-CCB9	2591	79404	14293	3887
21:17	ZZZZZZ	2554	78841	14690	3687
21:23	MP79886-LC2	2494	75886	14911	3565
21:29	MP79886-S1	2480	78703	15003	3513
21:34	MP79886-S2	2485	79991	15076	3505
21:40	JB68100-13A	2535	79747	15110	3671

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
21:46	MP79886-SD1	2575	78428	14435	3826
21:52	JB67976-1	2527	78859	14757	3633
21:58	JB67976-2	2517	78367	14827	3594
22:04	JB67976-3	2508	78375	14720	3607
22:10	MA34188-CCV9	2387	74268	14101	3451
22:16	MA34188-CCB10	2524	77648	14250	3858
22:22	JB67976-4	2515	78294	14792	3635
22:28	JB67976-5	2483	78009	14789	3589
22:34	JB67976-8	2504	79027	14730	3646
22:40	JB67976-9	2464	77888	14523	3576
22:46	JB67976-10	2458	77335	14634	3527
22:52	JB67976-11	2502	78129	14626	3624
22:57	JB67976-12	2515	79073	14881	3625
23:03	ZZZZZZ	2291	73687	14402	3516
23:09	ZZZZZZ	2418	76946	14677	3612
23:15	MA34188-CCV10	2376	74135	14085	3443
23:21	MA34188-CCB11	2534	77873	14276	3878
23:27	ZZZZZZ	2447	77098	14757	3575
23:33	ZZZZZZ	2457	78056	14876	3589
23:39	ZZZZZZ	2434	79982	14655	3556
23:45	ZZZZZZ	2392	75570	14344	3532
23:51	ZZZZZZ	2460	80946	15505	3400
23:57	ZZZZZZ	2515	78383	14610	3892
00:03	ZZZZZZ	2403	75354	14307	3689
00:09	MP79915-MB1	2531	78048	14458	3869
00:15	MP79915-B1	2459	76190	14253	3631
00:21	MA34188-CCV11	2367	75011	14044	3433
00:27	MA34188-CCB12	2549	78051	14746	3893
00:33	MP79915-S1	2474	78544	15386	3408
00:39	MP79915-S2	2517	79706	15418	3432
00:45	JB68234-8	2584	81078	15642	3483
00:50	MP79915-SD1	2543	78492	14681	3711
00:56	ZZZZZZ	2474	76869	14384	3624

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
01:02	ZZZZZZ	2494	76602	14436	3528
01:08	ZZZZZZ	2469	77433	14585	3642
01:14	ZZZZZZ	2528	78217	14723	3574
01:20	ZZZZZZ	2584	81382	15615	3518
01:26	MA34188-CCV12	2378	74103	13996	3439
01:32	MA34188-CCB13	2534	77240	14078	3867
01:38	ZZZZZZ	2534	79708	15500	3433
01:44	ZZZZZZ	2724	86334	16836	3351
01:50	ZZZZZZ	2657	83785	16375	3375
01:56	ZZZZZZ	2596	84903	16771	3078
02:02	ZZZZZZ	2168	71396	14454	2812
02:08	ZZZZZZ	2631	83211	15787	3483
02:14	ZZZZZZ	2713	87604	17554	3111
02:20	ZZZZZZ	2417	76363	14753	3410
02:26	ZZZZZZ	2789	93088	17680	3136
02:32	MA34188-CCV13	2385	73976	13870	3443
02:37	MA34188-CCB14	2527	77536	13900	3854
02:44	ZZZZZZ	2535	80840	15415	3270
02:50	ZZZZZZ	2516	78208	14619	3538
02:56	ZZZZZZ	2598	82660	15962	3283
03:01	ZZZZZZ	2494	80210	14947	3203
03:07	ZZZZZZ	2451	77215	14785	3480
03:13	MP79878-MB2	2534	77697	14148	3868
03:19	MP79878-LC1	2453	76626	14342	3536
03:25	MP79878-B2	2460	77886	13854	3613
03:31	MP79878-D1	2512	77928	14262	3769
03:37	MA34188-CCV14	2402	74628	13943	3463
03:43	MA34188-CCB15	2581	78173	14125	3925
03:49	MA34188-CRI4	2529	77866	14211	3821
03:55	MA34188-CRID3	2509	76797	14070	3817
04:01	MA34188-CRIA3	2545	77095	13882	3869
04:07	MA34188-CCV15	2370	74181	13725	3416
04:13	MA34188-CCB16	2543	77517	13917	3866

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
04:19	MP79878-S1	2395	74713	13926	3524
04:25	MP79878-S2	2422	75378	13952	3550
04:31	JB68149-11	2502	77276	14114	3750
04:37	MP79878-SD1	2532	78092	14079	3807
04:43	ZZZZZZ	2535	79150	13860	3838
04:49	ZZZZZZ	2531	78391	13654	3827
04:55	ZZZZZZ	2539	77409	13966	3861
05:01	ZZZZZZ	2525	76628	14062	3796
05:07	ZZZZZZ	2544	81648	14211	3838
05:13	MA34188-CCV16	2392	74364	13960	3445
05:19	MA34188-CCB17	2544	77202	14015	3867
05:25	ZZZZZZ	2475	76435	14178	3727
05:31	ZZZZZZ	2466	76702	14174	3681
05:37	MA34188-CCV17	2411	74885	13751	3473
05:43	MA34188-CCB18	2539	77310	13893	3863
05:49	MA34188-CRI5	2484	76338	13770	3762
05:55	MA34188-CRID4	2557	77538	13936	3883
06:01	MA34188-CRIA4	2570	79000	13878	3914
06:07	MA34188-CCV18	2374	73840	13631	3426
06:13	MA34188-CCB19	2580	78327	14058	3922
06:21	MA34188-ICSA3	2039	65167	12879	2925
06:27	MA34188-ICSAB3	2036	64291	13504	2925
06:33	MP79910-LC1	2481	76724	13985	3771
06:39	MP79910-MB1	2543	77750	14135	3977
06:46	MP79910-S1	2387	75058	14054	3535
06:51	MP79910-S2	No results reported for the elements associated with this internal standard.			
06:57	JB68344-2	2457	75486	13952	3728
07:03	MP79910-SD1	2527	76372	13739	3860
07:09	ZZZZZZ	2469	76155	14077	3793
07:15	MA34188-CCV19	2342	73104	13756	3393
07:21	MA34188-CCB20	2518	76097	13748	3844
07:27	ZZZZZZ	2490	76768	14006	3830
07:33	ZZZZZZ	2467	76441	14001	3808

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA34188
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
07:39	ZZZZZZ	2458	76105	14177	3795
07:46	ZZZZZZ	2451	78905	14276	3835
07:52	ZZZZZZ	2474	78837	14116	3876
07:58	JB68344-1	2428	75996	13981	3711
08:04	MP79910-S2	2377	74622	13871	3537
08:10	ZZZZZZ	2497	76268	13753	3826
08:16	MA34188-CCV20	2318	72371	13444	3371
08:22	MA34188-CCB21	2503	75834	13689	3827
08:28	MA34188-CRI6	2454	77600	13673	3737
08:34	MA34188-CRID5	2473	75535	13593	3791
08:40	MA34188-ICSA4	1991	64132	12694	2888
08:46	MA34188-ICSAB4	1989	63857	12877	2887
08:52	MA34188-CCV21	2326	72298	13424	3379
08:58	MA34188-CCB22	2510	76103	13475	3835

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			12:12 ICB1		12:34 CCB1		13:28 CCB2		14:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	1.3	<200	0.50	<200	6.0	<200	-1.1	<200
Antimony	6.0	1.6	0.90	<6.0	0.70	<6.0	1.3	<6.0	0.60	<6.0
Arsenic	3.0	2.2	1.1	<3.0	0.90	<3.0	0.90	<3.0	0.0	<3.0
Barium	200	.3	0.20	<200	0.30	<200	0.20	<200	0.0	<200
Beryllium	1.0	.1	0.10	<1.0	0.20	<1.0	0.10	<1.0	0.0	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	0.10	<3.0	0.0	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	23	1.1	<5000	2.3	<5000	-1.5	<5000	1.0	<5000
Chromium	10	.8	-0.30	<10	0.30	<10	0.30	<10	0.10	<10
Cobalt	50	.3	0.10	<50	0.10	<50	0.20	<50	-0.10	<50
Copper	10	1.2	0.80	<10	0.40	<10	-0.20	<10	0.90	<10
Iron	100	7.1	3.0	<100	3.5	<100	14.9	<100	2.4	<100
Lead	3.0	1.8	-0.30	<3.0	0.60	<3.0	-0.20	<3.0	0.20	<3.0
Lithium	20	.8								
Magnesium	5000	34	-9.2	<5000	8.1	<5000	4.2	<5000	5.4	<5000
Manganese	15	.2	0.0	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	0.10	<10	0.20	<10	0.10	<10	0.10	<10
Palladium	50	1.2								
Potassium	10000	21	-14	<10000	-13	<10000	1.0	<10000	-2.7	<10000
Selenium	10	3.2	-0.10	<10	-0.70	<10	-0.60	<10	-0.80	<10
Silicon	200	6.7								
Silver	10	.5	0.20	<10	0.0	<10	0.20	<10	0.90	<10
Sodium	10000	18	11.5	<10000	6.6	<10000	4.7	<10000	13.0	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	-1.0	<2.0	0.10	<2.0	-0.80	<2.0	0.40	<2.0
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	-0.30	<50	-0.30	<50	-0.10	<50	-0.20	<50
Zinc	20	3.4	0.0	<20	0.0	<20	0.10	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			12:12 ICB1		12:34 CCB1		13:28 CCB2		14:34 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			15:40 CCB4		16:45 CCB5		17:51 CCB6		18:56 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	4.3	<200	5.4	<200	-0.80	<200	-0.30	<200
Antimony	6.0	1.6	1.6	<6.0	0.90	<6.0	0.40	<6.0	1.6	<6.0
Arsenic	3.0	2.2	0.70	<3.0	0.70	<3.0	1.2	<3.0	0.90	<3.0
Barium	200	.3	0.20	<200	0.10	<200	0.30	<200	0.0	<200
Beryllium	1.0	.1	0.10	<1.0	0.10	<1.0	0.0	<1.0	0.10	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	-0.10	<3.0	0.10	<3.0	0.0	<3.0	0.0	<3.0
Calcium	5000	23	0.40	<5000	1.6	<5000	-1.9	<5000	-2.6	<5000
Chromium	10	.8	0.10	<10	0.10	<10	-0.10	<10	0.20	<10
Cobalt	50	.3	0.0	<50	0.0	<50	0.10	<50	0.0	<50
Copper	10	1.2	0.30	<10	-0.10	<10	0.70	<10	1.0	<10
Iron	100	7.1	4.1	<100	4.8	<100	4.1	<100	7.0	<100
Lead	3.0	1.8	0.10	<3.0	0.60	<3.0	0.0	<3.0	1.2	<3.0
Lithium	20	.8								
Magnesium	5000	34	-15	<5000	9.0	<5000	1.8	<5000	6.8	<5000
Manganese	15	.2	0.0	<15	0.10	<15	0.0	<15	0.10	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	0.30	<10	0.10	<10	0.10	<10	-0.10	<10
Palladium	50	1.2								
Potassium	10000	21	-7.1	<10000	1.9	<10000	-5.8	<10000	6.8	<10000
Selenium	10	3.2	-2.3	<10	-1.5	<10	-1.0	<10	-1.7	<10
Silicon	200	6.7								
Silver	10	.5	0.30	<10	0.10	<10	0.10	<10	0.50	<10
Sodium	10000	18	19.0	<10000	15.9	<10000	12.5	<10000	5.7	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	0.50	<2.0	0.40	<2.0	-0.60	<2.0	-0.20	<2.0
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	-0.40	<50	-0.20	<50	-0.20	<50	-0.40	<50
Zinc	20	3.4	0.10	<20	0.10	<20	0.20	<20	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			15:40 CCB4		16:45 CCB5		17:51 CCB6		18:56 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			20:02 CCB8		21:11 CCB9		22:16 CCB10		23:21 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	-4.0	<200	9.0	<200	-4.0	<200	7.5	<200
Antimony	6.0	1.6	1.3	<6.0	1.2	<6.0	0.60	<6.0	-0.10	<6.0
Arsenic	3.0	2.2	1.1	<3.0	0.30	<3.0	0.80	<3.0	0.50	<3.0
Barium	200	.3	0.10	<200	0.40	<200	-0.10	<200	0.0	<200
Beryllium	1.0	.1	0.10	<1.0	0.20	<1.0	-0.10	<1.0	0.10	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	0.0	<3.0	0.0	<3.0	0.0	<3.0	0.20	<3.0
Calcium	5000	23	-2.6	<5000	6.3	<5000	8.4	<5000	10.5	<5000
Chromium	10	.8	0.20	<10	0.10	<10	-0.20	<10	0.0	<10
Cobalt	50	.3	0.0	<50	0.20	<50	0.0	<50	0.10	<50
Copper	10	1.2	0.60	<10	1.3	<10	2.5	<10	3.6	<10
Iron	100	7.1	16.4	<100	9.6	<100	2.6	<100	17.4	<100
Lead	3.0	1.8	0.30	<3.0	0.40	<3.0	-0.20	<3.0	0.40	<3.0
Lithium	20	.8								
Magnesium	5000	34	-0.60	<5000	5.0	<5000	18.8	<5000	-15	<5000
Manganese	15	.2	0.20	<15	0.20	<15	0.0	<15	0.10	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	0.0	<10	-0.10	<10	-0.30	<10	0.10	<10
Palladium	50	1.2								
Potassium	10000	21	-6.9	<10000	-0.40	<10000	3.6	<10000	-0.70	<10000
Selenium	10	3.2	-1.1	<10	-0.60	<10	-1.2	<10	1.0	<10
Silicon	200	6.7								
Silver	10	.5	0.30	<10	0.30	<10	0.0	<10	0.20	<10
Sodium	10000	18	5.3	<10000	8.5	<10000	3.0	<10000	5.7	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	0.40	<2.0	0.0	<2.0	-0.70	<2.0	-0.80	<2.0
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	-0.20	<50	0.0	<50	-0.20	<50	-0.30	<50
Zinc	20	3.4	0.20	<20	0.20	<20	0.0	<20	-0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time:			20:02		21:11		22:16		23:21	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			00:27 CCB12		01:32 CCB13		02:37 CCB14		03:43 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	1.1	<200	-7.7	<200	4.1	<200	-2.1	<200
Antimony	6.0	1.6	1.4	<6.0	0.90	<6.0	0.90	<6.0	0.90	<6.0
Arsenic	3.0	2.2	-0.40	<3.0	-0.30	<3.0	-0.30	<3.0	0.50	<3.0
Barium	200	.3	0.10	<200	0.20	<200	0.20	<200	0.0	<200
Beryllium	1.0	.1	0.10	<1.0	0.10	<1.0	0.10	<1.0	0.0	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	0.10	<3.0	0.10	<3.0	0.10	<3.0	0.0	<3.0
Calcium	5000	23	10.2	<5000	10.0	<5000	12.0	<5000	7.4	<5000
Chromium	10	.8	0.60	<10	0.40	<10	0.10	<10	-0.20	<10
Cobalt	50	.3	0.20	<50	0.0	<50	0.0	<50	-0.10	<50
Copper	10	1.2	2.3	<10	2.3	<10	2.7	<10	2.4	<10
Iron	100	7.1	7.9	<100	21.0	<100	46.8	<100	17.3	<100
Lead	3.0	1.8	0.40	<3.0	-0.10	<3.0	-1.2	<3.0	-0.30	<3.0
Lithium	20	.8								
Magnesium	5000	34	19.3	<5000	3.7	<5000	10.1	<5000	-1.5	<5000
Manganese	15	.2	0.10	<15	0.30	<15	0.50	<15	0.10	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	0.0	<10	0.10	<10	0.10	<10	-0.10	<10
Palladium	50	1.2								
Potassium	10000	21	-5.5	<10000	0.70	<10000	-19	<10000	-2.7	<10000
Selenium	10	3.2	-1.3	<10	0.80	<10	0.70	<10	-0.70	<10
Silicon	200	6.7								
Silver	10	.5	0.50	<10	0.40	<10	0.80	<10	0.60	<10
Sodium	10000	18	0.40	<10000	3.4	<10000	3.8	<10000	-3.8	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	-0.60	<2.0	-0.30	<2.0	-0.70	<2.0	1.1	<2.0
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	-0.30	<50	-0.30	<50	-0.30	<50	-0.50	<50
Zinc	20	3.4	0.10	<20	0.10	<20	0.20	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time:			00:27		01:32		02:37		03:43	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			04:13 CCB16		05:19 CCB17		05:43 CCB18		06:13 CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	16	-2.6	<200	5.1	<200	9.4	<200	6.8	<200
Antimony	6.0	1.6	-0.70	<6.0	0.30	<6.0	0.90	<6.0	0.70	<6.0
Arsenic	3.0	2.2	0.0	<3.0	0.50	<3.0	0.40	<3.0	0.10	<3.0
Barium	200	.3	0.10	<200	0.10	<200	0.10	<200	0.10	<200
Beryllium	1.0	.1	0.10	<1.0	0.10	<1.0	0.20	<1.0	0.20	<1.0
Bismuth	20	1.4								
Boron	100	1								
Cadmium	3.0	.3	0.20	<3.0	0.10	<3.0	0.30	<3.0	0.20	<3.0
Calcium	5000	23	10.7	<5000	7.4	<5000	7.6	<5000	9.5	<5000
Chromium	10	.8	0.20	<10	-0.40	<10	-0.10	<10	0.40	<10
Cobalt	50	.3	-0.10	<50	0.10	<50	0.0	<50	0.10	<50
Copper	10	1.2	2.5	<10	1.7	<10	2.4	<10	1.6	<10
Iron	100	7.1	13.9	<100	5.5	<100	12.6	<100	5.7	<100
Lead	3.0	1.8	-0.40	<3.0	0.80	<3.0	-0.70	<3.0	0.50	<3.0
Lithium	20	.8								
Magnesium	5000	34	15.5	<5000	4.7	<5000	-7.6	<5000	13.3	<5000
Manganese	15	.2	0.20	<15	0.10	<15	0.20	<15	0.10	<15
Molybdenum	20	.6	anr							
Nickel	10	.7	-0.10	<10	0.20	<10	0.0	<10	0.10	<10
Palladium	50	1.2								
Potassium	10000	21	6.3	<10000	26.6	<10000	-3.3	<10000	10.8	<10000
Selenium	10	3.2	1.0	<10	-0.50	<10	-0.60	<10	-0.30	<10
Silicon	200	6.7								
Silver	10	.5	0.50	<10	-0.20	<10	0.10	<10	0.40	<10
Sodium	10000	18	6.5	<10000	4.3	<10000	5.2	<10000	3.4	<10000
Sulfur	50	13								
Strontium	10	.2								
Thallium	2.0	1.7	-1.3	<2.0	-0.20	<2.0	-0.30	<2.0	-0.30	<2.0
Tin	10	1.3								
Titanium	10	.7								
Tungsten	50	8.5								
Vanadium	50	.5	-0.60	<50	-0.50	<50	-0.20	<50	-0.10	<50
Zinc	20	3.4	0.0	<20	0.10	<20	0.20	<20	0.10	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time: / Sample ID:			04:13 CCB16		05:19 CCB17		05:43 CCB18		06:13 CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time:			07:21	
Sample ID:			CCB20	
Metal	RL	IDL	raw	final
Aluminum	200	16	-0.70	<200
Antimony	6.0	1.6	0.90	<6.0
Arsenic	3.0	2.2	-0.80	<3.0
Barium	200	.3	0.0	<200
Beryllium	1.0	.1	0.10	<1.0
Bismuth	20	1.4		
Boron	100	1		
Cadmium	3.0	.3	0.20	<3.0
Calcium	5000	23	13.3	<5000
Chromium	10	.8	0.30	<10
Cobalt	50	.3	0.20	<50
Copper	10	1.2	2.8	<10
Iron	100	7.1	6.1	<100
Lead	3.0	1.8	0.0	<3.0
Lithium	20	.8		
Magnesium	5000	34	2.5	<5000
Manganese	15	.2	0.20	<15
Molybdenum	20	.6	anr	
Nickel	10	.7	0.20	<10
Palladium	50	1.2		
Potassium	10000	21	1.2	<10000
Selenium	10	3.2	0.0	<10
Silicon	200	6.7		
Silver	10	.5	0.60	<10
Sodium	10000	18	8.8	<10000
Sulfur	50	13		
Strontium	10	.2		
Thallium	2.0	1.7	0.40	<2.0
Tin	10	1.3		
Titanium	10	.7		
Tungsten	50	8.5		
Vanadium	50	.5	-0.40	<50
Zinc	20	3.4	0.20	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34188 Units: ug/l

Time:			07:21	
Sample ID:			CCB20	
Metal	RL	IDL	raw	final
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		12:19	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	38600	96.5
Antimony	2000	2010	100.5
Arsenic	2000	2000	100.0
Barium	2000	1970	98.5
Beryllium	2000	2000	100.0
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	40000	39100	97.8
Chromium	2000	2020	101.0
Cobalt	2000	2040	102.0
Copper	2000	1930	96.5
Iron	40000	39600	99.0
Lead	2000	2070	103.5
Lithium			
Magnesium	40000	39100	97.8
Manganese	2000	2050	102.5
Molybdenum	anr		
Nickel	2000	2050	102.5
Palladium			
Potassium	40000	38600	96.5
Selenium	2000	2030	101.5
Silicon			
Silver	250	246	98.4
Sodium	40000	39100	97.8
Sulfur			
Strontium			
Thallium	2000	2110	105.5*(a
Tin			
Titanium			
Tungsten			
Vanadium	2000	1960	98.0
Zinc	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		12:19	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		11:58			13:22			14:28	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	39800	99.5	40000	39700	99.3
Antimony	2000	2020	101.0	2000	2040	102.0	2000	2050	102.5
Arsenic	2000	2000	100.0	2000	2030	101.5	2000	2040	102.0
Barium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Beryllium	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2040	102.0	2000	2040	102.0
Calcium	40000	39800	99.5	40000	40300	100.8	40000	40300	100.8
Chromium	2000	2080	104.0	2000	2060	103.0	2000	2050	102.5
Cobalt	2000	2040	102.0	2000	2070	103.5	2000	2080	104.0
Copper	2000	1970	98.5	2000	1980	99.0	2000	1950	97.5
Iron	40000	40200	100.5	40000	40800	102.0	40000	40700	101.8
Lead	2000	2060	103.0	2000	2110	105.5	2000	2110	105.5
Lithium									
Magnesium	40000	39600	99.0	40000	40300	100.8	40000	40300	100.8
Manganese	2000	2090	104.5	2000	2100	105.0	2000	2090	104.5
Molybdenum	anr								
Nickel	2000	2050	102.5	2000	2080	104.0	2000	2090	104.5
Palladium									
Potassium	40000	39000	97.5	40000	39600	99.0	40000	39600	99.0
Selenium	2000	2030	101.5	2000	2070	103.5	2000	2080	104.0
Silicon									
Silver	250	251	100.4	250	248	99.2	250	247	98.8
Sodium	40000	39500	98.8	40000	40000	100.0	40000	40000	100.0
Sulfur									
Strontium									
Thallium	2000	2110	105.5*(a	2000	2150	107.5	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	2000	100.0	2000	1990	99.5
Zinc	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		11:58			13:22			14:28	
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
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		15:34			16:39			17:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40000	100.0	40000	40600	101.5
Antimony	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Arsenic	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Barium	2000	2030	101.5	2000	2040	102.0	2000	2060	103.0
Beryllium	2000	2050	102.5	2000	2060	103.0	2000	2090	104.5
Bismuth									
Boron									
Cadmium	2000	2050	102.5	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40700	101.8	40000	40400	101.0	40000	40800	102.0
Chromium	2000	2080	104.0	2000	2060	103.0	2000	2090	104.5
Cobalt	2000	2080	104.0	2000	2090	104.5	2000	2090	104.5
Copper	2000	1980	99.0	2000	1980	99.0	2000	2000	100.0
Iron	40000	41100	102.8	40000	40900	102.3	40000	41400	103.5
Lead	2000	2120	106.0	2000	2130	106.5	2000	2130	106.5
Lithium									
Magnesium	40000	40500	101.3	40000	40300	100.8	40000	41000	102.5
Manganese	2000	2110	105.5	2000	2110	105.5	2000	2140	107.0
Molybdenum	anr								
Nickel	2000	2090	104.5	2000	2100	105.0	2000	2110	105.5
Palladium									
Potassium	40000	39700	99.3	40000	40000	100.0	40000	40400	101.0
Selenium	2000	2080	104.0	2000	2090	104.5	2000	2100	105.0
Silicon									
Silver	250	249	99.6	250	248	99.2	250	250	100.0
Sodium	40000	40200	100.5	40000	40400	101.0	40000	40800	102.0
Sulfur									
Strontium									
Thallium	2000	2150	107.5	2000	2170	108.5	2000	2170	108.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0
Zinc	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		15:34			16:39			17:45	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		18:50			19:56			21:05	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40800	102.0	40000	40500	101.3	40000	39900	99.8
Antimony	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Arsenic	2000	2070	103.5	2000	2060	103.0	2000	2050	102.5
Barium	2000	2070	103.5	2000	2060	103.0	2000	2070	103.5
Beryllium	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Calcium	40000	41000	102.5	40000	40900	102.3	40000	40900	102.3
Chromium	2000	2110	105.5	2000	2100	105.0	2000	2080	104.0
Cobalt	2000	2100	105.0	2000	2110	105.5	2000	2100	105.0
Copper	2000	2010	100.5	2000	2020	101.0	2000	1980	99.0
Iron	40000	41500	103.8	40000	41400	103.5	40000	41000	102.5
Lead	2000	2140	107.0	2000	2140	107.0	2000	2120	106.0
Lithium									
Magnesium	40000	40800	102.0	40000	40800	102.0	40000	40900	102.3
Manganese	2000	2170	108.5	2000	2150	107.5	2000	2090	104.5
Molybdenum	anr								
Nickel	2000	2120	106.0	2000	2120	106.0	2000	2090	104.5
Palladium									
Potassium	40000	40600	101.5	40000	40500	101.3	40000	40700	101.8
Selenium	2000	2110	105.5	2000	2100	105.0	2000	2060	103.0
Silicon									
Silver	250	253	101.2	250	252	100.8	250	255	102.0
Sodium	40000	41100	102.8	40000	41000	102.5	40000	41100	102.8
Sulfur									
Strontium									
Thallium	2000	2180	109.0	2000	2190	109.5	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Zinc	2000	2090	104.5	2000	2100	105.0	2000	2110	105.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		18:50			19:56			21:05	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		22:10			23:15			00:21	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39600	99.0	40000	39600	99.0
Antimony	2000	2110	105.5	2000	2110	105.5	2000	2130	106.5
Arsenic	2000	2060	103.0	2000	2060	103.0	2000	2080	104.0
Barium	2000	2110	105.5	2000	2120	106.0	2000	2120	106.0
Beryllium	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	2120	106.0	2000	2120	106.0	2000	2140	107.0
Calcium	40000	41800	104.5	40000	41700	104.3	40000	41900	104.8
Chromium	2000	2110	105.5	2000	2110	105.5	2000	2090	104.5
Cobalt	2000	2110	105.5	2000	2110	105.5	2000	2130	106.5
Copper	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Iron	40000	41300	103.3	40000	41200	103.0	40000	41300	103.3
Lead	2000	2110	105.5	2000	2100	105.0	2000	2120	106.0
Lithium									
Magnesium	40000	41400	103.5	40000	41200	103.0	40000	41200	103.0
Manganese	2000	2020	101.0	2000	2000	100.0	2000	1980	99.0
Molybdenum	anr								
Nickel	2000	2080	104.0	2000	2080	104.0	2000	2100	105.0
Palladium									
Potassium	40000	41400	103.5	40000	41700	104.3	40000	41700	104.3
Selenium	2000	2080	104.0	2000	2080	104.0	2000	2100	105.0
Silicon									
Silver	250	258	103.2	250	259	103.6	250	257	102.8
Sodium	40000	41700	104.3	40000	42100	105.3	40000	42100	105.3
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2130	106.5	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2070	103.5	2000	2070	103.5	2000	2050	102.5
Zinc	2000	2130	106.5	2000	2130	106.5	2000	2150	107.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		22:10			23:15			00:21	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		01:26			02:32			03:37	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39600	99.0	40000	39800	99.5	40000	39700	99.3
Antimony	2000	2130	106.5	2000	2120	106.0	2000	2120	106.0
Arsenic	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5
Barium	2000	2120	106.0	2000	2120	106.0	2000	2120	106.0
Beryllium	2000	2070	103.5	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2130	106.5	2000	2130	106.5	2000	2130	106.5
Calcium	40000	41700	104.3	40000	41600	104.0	40000	41600	104.0
Chromium	2000	2110	105.5	2000	2130	106.5	2000	2120	106.0
Cobalt	2000	2130	106.5	2000	2130	106.5	2000	2120	106.0
Copper	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Iron	40000	41100	102.8	40000	41100	102.8	40000	41100	102.8
Lead	2000	2130	106.5	2000	2130	106.5	2000	2120	106.0
Lithium									
Magnesium	40000	41200	103.0	40000	41300	103.3	40000	41100	102.8
Manganese	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Molybdenum	anr								
Nickel	2000	2100	105.0	2000	2100	105.0	2000	2100	105.0
Palladium									
Potassium	40000	41800	104.5	40000	42000	105.0	40000	42200	105.5
Selenium	2000	2100	105.0	2000	2100	105.0	2000	2100	105.0
Silicon									
Silver	250	258	103.2	250	259	103.6	250	260	104.0
Sodium	40000	42100	105.3	40000	42200	105.5	40000	42300	105.8
Sulfur									
Strontium									
Thallium	2000	2160	108.0	2000	2160	108.0	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2070	103.5	2000	2080	104.0	2000	2080	104.0
Zinc	2000	2150	107.5	2000	2150	107.5	2000	2140	107.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		01:26			02:32			03:37	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		04:07			05:13			05:37	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	39700	99.3	40000	40000	100.0
Antimony	2000	2140	107.0	2000	2130	106.5	2000	2110	105.5
Arsenic	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Barium	2000	2140	107.0	2000	2110	105.5	2000	2130	106.5
Beryllium	2000	2090	104.5	2000	2060	103.0	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	2150	107.5	2000	2140	107.0	2000	2120	106.0
Calcium	40000	42100	105.3	40000	41400	103.5	40000	41800	104.5
Chromium	2000	2130	106.5	2000	2140	107.0	2000	2120	106.0
Cobalt	2000	2150	107.5	2000	2140	107.0	2000	2130	106.5
Copper	2000	2030	101.5	2000	2020	101.0	2000	2010	100.5
Iron	40000	41600	104.0	40000	40900	102.3	40000	41300	103.3
Lead	2000	2150	107.5	2000	2140	107.0	2000	2130	106.5
Lithium									
Magnesium	40000	41700	104.3	40000	40800	102.0	40000	41400	103.5
Manganese	2000	2050	102.5	2000	2050	102.5	2000	2030	101.5
Molybdenum	anr								
Nickel	2000	2130	106.5	2000	2110	105.5	2000	2100	105.0
Palladium									
Potassium	40000	42500	106.3	40000	42100	105.3	40000	42400	106.0
Selenium	2000	2120	106.0	2000	2110	105.5	2000	2090	104.5
Silicon									
Silver	250	263	105.2	250	259	103.6	250	259	103.6
Sodium	40000	42700	106.8	40000	42300	105.8	40000	42500	106.3
Sulfur									
Strontium									
Thallium	2000	2180	109.0	2000	2170	108.5	2000	2150	107.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2090	104.5	2000	2080	104.0	2000	2070	103.5
Zinc	2000	2170	108.5	2000	2160	108.0	2000	2150	107.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		04:07			05:13			05:37	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		06:07			07:15	
Sample ID:	CCV	CCV18		CCV	CCV19	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40300	100.8	40000	39400	98.5
Antimony	2000	2140	107.0	2000	2160	108.0
Arsenic	2000	2100	105.0	2000	2110	105.5
Barium	2000	2150	107.5	2000	2120	106.0
Beryllium	2000	2090	104.5	2000	2060	103.0
Bismuth						
Boron						
Cadmium	2000	2150	107.5	2000	2170	108.5
Calcium	40000	42200	105.5	40000	41700	104.3
Chromium	2000	2140	107.0	2000	2160	108.0
Cobalt	2000	2150	107.5	2000	2160	108.0
Copper	2000	2050	102.5	2000	2060	103.0
Iron	40000	41600	104.0	40000	41000	102.5
Lead	2000	2150	107.5	2000	2160	108.0
Lithium						
Magnesium	40000	41800	104.5	40000	41000	102.5
Manganese	2000	2060	103.0	2000	2060	103.0
Molybdenum	anr					
Nickel	2000	2120	106.0	2000	2130	106.5
Palladium						
Potassium	40000	42700	106.8	40000	42200	105.5
Selenium	2000	2120	106.0	2000	2130	106.5
Silicon						
Silver	250	264	105.6	250	266	106.4
Sodium	40000	42900	107.3	40000	42300	105.8
Sulfur						
Strontium						
Thallium	2000	2180	109.0	2000	2180	109.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	2100	105.0	2000	2120	106.0
Zinc	2000	2170	108.5	2000	2190	109.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34188 Units: ug/l

Time:		06:07			07:15	
Sample ID:	CCV	CCV18		CCV	CCV19	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				12:45		12:51		13:34	
Sample ID:	CRI	CRIA	CRID	CRID1		CRIA1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	100	100.0	496	99.2	208	104.0
Antimony	6.0	20	3.0	3.2	106.7	19.9	99.5	7.1	118.3
Arsenic	8.0	20	3.0	3.3	110.0	20.1	100.5	8.6	107.5
Barium	200		4.0	4.2	105.0			204	102.0
Beryllium	2.0		1.0	1.0	100.0			2.2	110.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	1.0	100.0			3.2	106.7
Calcium	5000		1000	1060	106.0			5160	103.2
Chromium	10		2.0	2.3	115.0			11.1	111.0
Cobalt	50		3.0	3.1	103.3			52.2	104.4
Copper	10		2.0					10.3	103.0
Iron	100	500				530	106.0	118	118.0
Lead	3.0	20	2.5	2.8	112.0	20.8	104.0	3.6	120.0
Lithium	20								
Magnesium	5000		100	115	115.0			5160	103.2
Manganese	15		3.0	3.3	110.0			16.7	111.3
Molybdenum	20								
Nickel	10		4.0	4.2	105.0			10.4	104.0
Palladium	50								
Potassium	5000		2000	2050	102.5			4990	99.8
Selenium	10	20	5.0	5.9	118.0	22.9	114.5	11.7	117.0
Silicon	200								
Silver	5.0		1.0	1.2	120.0			5.2	104.0
Sodium	5000		1000	1050	105.0			5010	100.2
Sulfur	50								
Strontium	10								
Thallium	10		2.0	1.9	95.0			10.8	108.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	1.9	95.0			52.5	105.0
Zinc	20		10	12.4	124.0			22.8	114.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				12:45		12:51		13:34	
Sample ID:	CRI	CRIA	CRID	CRID1		CRIA1		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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				20:08		20:14		20:20	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	213	106.5	107	107.0	518	103.6
Antimony	6.0	20	3.0	6.9	115.0	3.9	130.0	20.3	101.5
Arsenic	8.0	20	3.0	9.7	121.3	3.4	113.3	21.0	105.0
Barium	200		4.0	209	104.5	4.2	105.0		
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.4	113.3	1.0	100.0		
Calcium	5000		1000	5270	105.4	1060	106.0		
Chromium	10		2.0	11.3	113.0	2.0	100.0		
Cobalt	50		3.0	52.9	105.8	3.2	106.7		
Copper	10		2.0	11.3	113.0	2.6	130.0		
Iron	100	500		120	120.0			552	110.4
Lead	3.0	20	2.5	2.9	96.7	2.7	108.0	21.9	109.5
Lithium	20								
Magnesium	5000		100	5250	105.0	128	128.0		
Manganese	15		3.0	17.2	114.7	3.4	113.3		
Molybdenum	20			anr					
Nickel	10		4.0	10.6	106.0	4.3	107.5		
Palladium	50								
Potassium	5000		2000	5210	104.2	2080	104.0		
Selenium	10	20	5.0	10.4	104.0	5.3	106.0	23.7	118.5
Silicon	200								
Silver	5.0		1.0	5.6	112.0	1.2	120.0		
Sodium	5000		1000	5180	103.6	1060	106.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.7	107.0	2.3	115.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.7	107.4	1.9	95.0		
Zinc	20		10	23.3	116.5	12.6	126.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				20:08		20:14		20:20	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID2		CRIA2	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				03:49		03:55		04:01	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID3		CRIA3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	211	105.5	112	112.0	524	104.8
Antimony	6.0	20	3.0	7.3	121.7	2.8	93.3	22.0	110.0
Arsenic	8.0	20	3.0	8.1	101.3	2.9	96.7	20.6	103.0
Barium	200		4.0	215	107.5	4.2	105.0		
Beryllium	2.0		1.0	2.3	115.0	1.1	110.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.5	116.7	1.2	120.0		
Calcium	5000		1000	5290	105.8	1120	112.0		
Chromium	10		2.0	11.7	117.0	1.9	95.0		
Cobalt	50		3.0	54.2	108.4	3.3	110.0		
Copper	10		2.0	12.8	128.0				
Iron	100	500		124	124.0			564	112.8
Lead	3.0	20	2.5	3.7	123.3	3.1	124.0	21.4	107.0
Lithium	20								
Magnesium	5000		100	5250	105.0	113	113.0		
Manganese	15		3.0	16.5	110.0	3.5	116.7		
Molybdenum	20			anr					
Nickel	10		4.0	10.4	104.0	4.6	115.0		
Palladium	50								
Potassium	5000		2000	5350	107.0	2210	110.5		
Selenium	10	20	5.0	10.8	108.0	4.6	92.0	25.2	126.0
Silicon	200								
Silver	5.0		1.0	6.4	128.0				
Sodium	5000		1000	5290	105.8	1130	113.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	8.6	86.0	2.4	120.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	54.2	108.4	1.5	75.0		
Zinc	20		10	24.0	120.0				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				03:49		03:55		04:01	
Sample ID:	CRI	CRIA	CRID	CRI4		CRID3		CRIA3	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				05:49		05:55		06:01	
Sample ID:	CRI	CRIA	CRID	CRI5		CRID4		CRIA4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	213	106.5	115	115.0	509	101.8
Antimony	6.0	20	3.0	7.4	123.3			21.3	106.5
Arsenic	8.0	20	3.0	8.3	103.8	3.8	126.7	20.7	103.5
Barium	200		4.0	221	110.5	4.5	112.5		
Beryllium	2.0		1.0	2.4	120.0	1.0	100.0		
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.5	116.7	1.2	120.0		
Calcium	5000		1000	5480	109.6	1130	113.0		
Chromium	10		2.0	11.7	117.0	2.3	115.0		
Cobalt	50		3.0	55.1	110.2	3.3	110.0		
Copper	10		2.0	12.3	123.0				
Iron	100	500		122	122.0			559	111.8
Lead	3.0	20	2.5	3.0	100.0			21.3	106.5
Lithium	20								
Magnesium	5000		100	5410	108.2	112	112.0		
Manganese	15		3.0	16.6	110.7	3.3	110.0		
Molybdenum	20			anr					
Nickel	10		4.0	11.2	112.0	4.4	110.0		
Palladium	50								
Potassium	5000		2000	5500	110.0	2220	111.0		
Selenium	10	20	5.0	10.5	105.0	6.1	122.0	22.7	113.5
Silicon	200								
Silver	5.0		1.0	6.0	120.0	1.2	120.0		
Sodium	5000		1000	5470	109.4	1140	114.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	9.4	94.0	2.4	120.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	56.2	112.4	1.5	75.0		
Zinc	20		10	24.6	123.0				

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34188 Units: ug/l

Time:				05:49		05:55		06:01	
Sample ID:	CRI	CRIA	CRID	CRI5		CRID4		CRIA4	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34188 Units: ug/l

Time:			12:58		13:04		20:26		20:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	507000	101.4	494000	98.8	515000	103.0	524000	104.8
Antimony		1000	2.1		1040	104.0	0.30		1080	108.0
Arsenic		1000	-0.70		1130	113.0	0.90		1180	118.0
Barium		500	-1.3		501	100.2	-1.1		523	104.6
Beryllium		500	0.70		500	100.0	0.60		519	103.8
Bismuth		500	24.8		547	109.4	22.1		573	114.6
Boron			-1.0		1.7		-1.4		2.4	
Cadmium		1000	2.6		1040	104.0	2.7		1090	109.0
Calcium	400000	400000	386000	96.5	372000	93.0	382000	95.5	388000	97.0
Chromium		500	-1.5		486	97.2	-1.9		512	102.4
Cobalt		500	-1.7		489	97.8	-1.6		509	101.8
Copper		500	3.2		534	106.8	3.3		562	112.4
Iron	200000	200000	191000	95.5	189000	94.5	193000	96.5	198000	99.0
Lead		1000	-0.80		971	97.1	0.0		1010	101.0
Lithium		500	4.3		571	114.2	4.4		603	120.6*
Magnesium	500000	500000	520000	104.0	506000	101.2	525000	105.0	528000	105.6
Manganese		500	-0.60		517	103.4	-0.40		545	109.0
Molybdenum		500	1.8		515	103.0	0.10		538	107.6
Nickel		1000	-0.60		971	97.1	-0.30		1010	101.0
Palladium		500	-35		504	100.8	-33		534	106.8
Potassium			20.0		44.5		5.8		26.1	
Selenium		1000	6.6		1110	111.0	2.8		1160	116.0
Silicon			-2.9		-4.4		-3.7		-3.6	
Silver		1000	-5.2		1050	105.0	-6.8		1100	110.0
Sodium			-19		-8.4		-17		-18	
Sulfur		500	-13		493	98.6	-16		517	103.4
Strontium			-5.0		-4.6		-4.6		-4.7	
Thallium		1000	0.50		958	95.8	-3.1		1000	100.0
Tin			-4.4		-3.1		-4.7		-4.3	
Titanium			2.8		1.9		2.0		1.8	
Tungsten		500	-42		532	106.4	-47		558	111.6
Vanadium		500	4.5		483	96.6	4.5		504	100.8
Zinc		1000	2.4		1000	100.0	2.7		1040	104.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34188 Units: ug/l

Time:			12:58		13:04		20:26		20:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-1.5		-0.90	0.0*	-1.8		-1.3	0.0*

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34188 Units: ug/l

Time:			06:21		06:27	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	518000	103.6	489000	97.8
Antimony		1000	-0.40		1120	112.0
Arsenic		1000	0.40		1200	120.0
Barium		500	-1.2		517	103.4
Beryllium		500	0.70		493	98.6
Bismuth		500	26.9		585	117.0
Boron			-2.2		2.4	
Cadmium		1000	3.3		1130	113.0
Calcium	400000	400000	404000	101.0	383000	95.8
Chromium		500	-2.5		529	105.8
Cobalt		500	-1.3		522	104.4
Copper		500	1.3		577	115.4
Iron	200000	200000	195000	97.5	188000	94.0
Lead		1000	-4.1		1010	101.0
Lithium		500	4.9		592	118.4
Magnesium	500000	500000	542000	108.4	510000	102.0
Manganese		500	-0.10		528	105.6
Molybdenum		500	0.90		544	108.8
Nickel		1000	0.30		1020	102.0
Palladium		500	-39		550	110.0
Potassium			4.6		29.3	
Selenium		1000	3.9		1170	117.0
Silicon			-5.2		-6.7	
Silver		1000	6.9		1160	116.0
Sodium			-27		-19	
Sulfur		500	-19		531	106.2
Strontium			-5.0		-4.8	
Thallium		1000	-1.5		995	99.5
Tin			-4.4		-3.6	
Titanium			1.9		2.2	
Tungsten		500	-39		569	113.8
Vanadium		500	3.2		530	106.0
Zinc		1000	2.9		1080	108.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SC060914M1.ICP Date Analyzed: 06/09/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34188 Units: ug/l

Time:			06:21		06:27	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500	-0.20		-0.50	0.0*

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34211
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:18	MA34211-STD1	1		STDA
11:22	MA34211-STD2	1		STDB
11:23	MA34211-STD3	1		STDC
11:25	MA34211-STD4	1		STDD
11:26	MA34211-STD5	1		STDE
11:27	MA34211-STD6	1		STDF
11:32	MA34211-ICV1	1		
11:33	MA34211-ICB1	1		
11:35	MA34211-CCV1	1		
11:36	MA34211-CCB1	1		
11:38	MA34211-CRI1	1		
11:51	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:54	MP79976-MB1	1		
11:55	MP79976-LC1	2		
11:57	MP79976-S1	1		
11:58	MP79976-S2	1		
12:00	ZZZZZZ	1		
12:01	ZZZZZZ	1		
12:03	ZZZZZZ	1		
12:04	MA34211-CCV2	1		
12:05	MA34211-CCB2	1		
12:07	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:19	JB67912-9A	1		(sample used for QC only; not part of login JB67976)
12:20	MA34211-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34211
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:22	MA34211-CCB3	1		
12:23	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:29	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	2		
12:37	MP79977-MB1	1		
12:38	MA34211-CCV4	1		
12:39	MA34211-CCB4	1		
12:41	MP79977-LC1	2		
12:42	MP79977-S1	1		
12:44	MP79977-S2	1		
12:45	JB68561-1	1		(sample used for QC only; not part of login JB67976)
12:49	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:56	ZZZZZZ	1		
12:57	MA34211-CCV5	1		
12:58	MA34211-CCB5	1		
13:00	ZZZZZZ	1		
13:05	ZZZZZZ	5		
13:06	JB67976-1	1		
13:07	JB67976-2	1		
13:09	JB67976-3	1		
13:10	JB67976-4	1		
13:11	JB67976-5	1		
13:13	JB67976-8	1		
13:14	JB67976-9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34211
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:15	JB67976-10	1		
	13:17	MA34211-CCV6	1		
	13:18	MA34211-CCB6	1		
	13:19	JB67976-11	1		
	13:21	JB67976-12	1		
---------->		Last reportable sample/prep for job JB67976			
	13:22	ZZZZZZ	1		
	13:23	ZZZZZZ	1		
	13:44	MP79978-MB1	1		
	13:45	MP79978-LC1	2		
	13:47	MP79978-S1	1		
	13:48	MP79978-S2	1		
	13:50	JB68603-1A	1		(sample used for QC only; not part of login JB67976)
	13:51	ZZZZZZ	1		
	13:52	MA34211-CCV7	1		
	13:54	MA34211-CCB7	1		
	13:55	ZZZZZZ	1		
	13:57	ZZZZZZ	1		
	13:58	ZZZZZZ	1		
	14:00	ZZZZZZ	1		
	14:01	ZZZZZZ	1		
	14:02	ZZZZZZ	1		
	14:04	ZZZZZZ	1		
	14:05	ZZZZZZ	1		
	14:06	ZZZZZZ	1		
	14:08	ZZZZZZ	1		
	14:09	MA34211-CCV8	1		
	14:10	MA34211-CCB8	1		
	14:12	ZZZZZZ	1		
	14:13	ZZZZZZ	1		
	14:14	ZZZZZZ	1		
	14:16	ZZZZZZ	1		
	14:17	ZZZZZZ	1		
	14:19	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34211
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:20	MP79990-MB1	1		
14:22	MP79990-LC1	2		
14:23	MP79990-S1	1		
14:24	MP79990-S2	1		
14:26	MA34211-CCV9	1		
14:27	MA34211-CCB9	1		
14:29	JB67981-8	1		(sample used for QC only; not part of login JB67976)
14:30	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:34	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:42	MA34211-CCV10	1		
14:44	MA34211-CCB10	1		
14:45	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:48	ZZZZZZ	1		
15:13	ZZZZZZ	5		
15:15	MA34211-CCV11	1		
15:16	MA34211-CCB11	1		
16:13	MA34211-CRI2	1		
16:36	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:46	MA34211-CCV12	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
Analyst: JW Run ID: MA34211
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:47	MA34211-CCB12	1		
---------->	Last reportable CCB for job JB67976			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34211 Units: ug/l

Time: / Sample ID:			11:33 ICB1		11:36 CCB1		12:05 CCB2		12:22 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.017	<0.20	-0.025	<0.20	-0.081	<0.20	-0.060	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34211 Units: ug/l

Time: / Sample ID:			12:39 CCB4		12:58 CCB5		13:18 CCB6		13:54 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.074	<0.20	-0.10	<0.20	-0.045	<0.20	-0.093	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34211 Units: ug/l

Time: / Sample ID:			14:10 CCB8		14:27 CCB9		14:44 CCB10		15:16 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.038	-0.065	<0.20	-0.049	<0.20	-0.058	<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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34211 Units: ug/l

Time:			16:47	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Mercury	0.20	.038	-0.053	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34211 Units: ug/l

Time:		11:32			11:35			12:04	
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	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34211 Units: ug/l

Time:		12:20			12:38			12:57	
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	3.0	120.0	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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34211 Units: ug/l

Time:		13:17			13:52			14:09	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.6	104.0	2.5	2.5	100.0	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34211 Units: ug/l

Time:		14:26			14:42			15:15	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.8	112.0	2.5	2.6	104.0	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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34211 Units: ug/l

Time:		16:46	
Sample ID:	CCV	CCV12	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H5061114S1.CSV Date Analyzed: 06/11/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34211 Units: ug/l

Time:			11:38		16:13	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.20	100.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:07	MA34214-STD1	1		STDA
11:11	MA34214-STD2	1		STDB
11:14	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:20	MA34214-ICV1	1		
11:23	MA34214-ICB1	1		
11:26	MA34214-CCV1	1		
11:29	MA34214-CCB1	1		
11:32	MA34214-CRI1	1		
11:35	MA34214-CRID1	1		
11:38	MA34214-CRIA1	1		
11:42	MA34214-CRI2	1		
11:45	MA34214-CRID2	1		
11:48	MA34214-ICSA1	1		
11:51	MA34214-ICSAB1	1		
11:54	MA34214-CCV2	1		
11:57	MA34214-CCB2	1		
12:01	MA34214-ICSA2	1		
12:04	MA34214-ICSAB2	1		
12:07	MA34214-CCV3	1		
12:10	MA34214-CCB3	1		
12:13	ZZZZZZ	1		
12:16	ZZZZZZ	2		
12:19	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:33	MA34214-CCV4	1		
12:38	MA34214-CCB4	1		
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:57	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:10	MA34214-CCV5	1		
13:13	MA34214-CCB5	1		
13:16	ZZZZZZ	20		
13:19	ZZZZZZ	1		
13:23	ZZZZZZ	3		
13:27	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:33	MP79886-MB3	1		
13:36	MP79886-LC3	1		
13:39	MP79886-B3	1		
13:42	MP79886-S1	1		
13:45	MA34214-CCV6	1		
13:48	MA34214-CCB6	1		
13:51	MP79886-S2	1		
---------->	Last reportable sample/prep for job JB67976			
13:54	MP79966-MB1	1		
13:57	MP79966-LC1	1		
14:00	MP79966-B1	1		
14:03	MP79966-S1	1		
14:06	MP79966-S2	1		
14:09	JB68829-2	1		(sample used for QC only; not part of login JB67976)
14:12	MP79966-SD1	5		
14:15	ZZZZZZ	1		
14:18	MA34214-CCV7	1		
14:21	MA34214-CCB7	1		
14:24	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:34	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:40	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:43	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:52	MA34214-CCV8	1		
14:55	MA34214-CCB8	1		
14:59	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:08	MP79957-MB1	1		
15:11	MP79957-B1	1		
15:14	MP79957-S1	1		
15:17	MP79957-S2	1		
15:20	JB67974-4	1		(sample used for QC only; not part of login JB67976)
15:23	MP79957-SD1	5		
15:26	MA34214-CCV9	1		
15:29	MA34214-CCB9	1		
15:32	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:00	MA34214-CCV10	1		
16:03	MA34214-CCB10	1		
16:06	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:21	ZZZZZZ	1		

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Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:25	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:34	MA34214-CCV11	1		
16:37	MA34214-CCB11	1		
16:40	MA34214-CRI3	1		
16:43	MA34214-CRID3	1		
16:46	MA34214-CRIA2	1		
16:50	MA34214-ICSA3	1		
16:53	MA34214-ICSAB3	1		
16:56	MA34214-CCV12	1		
16:59	MA34214-CCB12	1		
---------->	Last reportable CCB for job JB67976			
17:02	ZZZZZZ	1		
17:05	MP79961-MB1	1		
17:08	MP79961-B1	1		
17:12	MP79961-S1	1		
17:14	MP79961-S2	1		
17:17	JB68393-5	1		(sample used for QC only; not part of login JB67976)
17:20	MP79961-SD1	5		
17:24	ZZZZZZ	1		
17:27	ZZZZZZ	1		
17:30	MA34214-CCV13	1		
17:33	MA34214-CCB13	1		
17:36	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:57	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:03	MA34214-CCV14	1		CCV empty

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Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:06	MA34214-CCB14	1		CCV empty
18:22	MA34214-CCV15	1		
18:25	MA34214-CCB15	1		
18:28	MA34214-CCV16	1		
18:31	MA34214-CCB16	1		
18:34	MA34214-CCV17	1		
18:37	MA34214-CCB17	1		
18:41	ZZZZZZ	1		
18:52	MA34214-CCV18	1		
18:55	MA34214-CCB18	1		
18:59	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:14	MP79911-MB2	1		
19:17	MP79911-LC2	1		
19:20	MA34214-CCV19	1		
19:23	MA34214-CCB19	1		
19:26	MP79911-S1	1		
19:29	MP79911-S2	1		
19:32	MP79912-MB2	1		
19:36	MP79912-LC2	1		
19:39	MP79912-S1	1		
19:44	MP79912-S2	1		bad reading on Y 3600
19:47	MA34214-CCV20	1		
19:50	MA34214-CCB20	1		
19:54	MP79928-MB1	1		
19:57	MP79928-B1	1		
20:00	MP79928-S1	1		
20:03	MP79928-S2	1		
20:06	JB68364-3A	1		(sample used for QC only; not part of login JB67976)
20:09	MP79928-SD1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:13	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:22	MA34214-CCV21	1		
20:25	MA34214-CCB21	1		
20:28	ZZZZZZ	1		
20:32	ZZZZZZ	1		
20:35	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:58	MA34214-CCV22	1		
21:01	MA34214-CCB22	1		
21:04	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:10	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:20	ZZZZZZ	1		
21:23	MA34214-CCV23	1		
21:26	MA34214-CCB23	1		
21:29	MA34214-CRIA3	1		
21:33	MA34214-CRI4	1		
21:36	MA34214-CRID4	1		
21:39	MA34214-CCV24	1		
21:42	MA34214-CCB24	1		
21:45	MP79984-MB1	1		
21:48	MP79984-B1	1		
21:52	MP79984-S1	1		
21:55	MP79984-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:58	JB68829-1A	1		(sample used for QC only; not part of login JB67976)
22:01	MP79984-SD1	5		
22:04	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:14	ZZZZZZ	1		
22:17	MA34214-CCV25	1		
22:20	MA34214-CCB25	1		
22:23	MP79982-MB1	1		
22:27	MP79982-B1	1		
22:30	MP79982-S1	1		
22:33	MP79982-S2	1		
22:36	JB67900-1R	1		(sample used for QC only; not part of login JB67976)
22:39	MP79982-SD1	5		
22:43	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:49	ZZZZZZ	1		
22:53	ZZZZZZ	1		
22:56	MA34214-CCV26	1		
22:59	MA34214-CCB26	1		
23:02	ZZZZZZ	1		
23:05	ZZZZZZ	1		
23:09	ZZZZZZ	1		
23:12	ZZZZZZ	1		
23:15	ZZZZZZ	1		
23:19	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:26	ZZZZZZ	1		
23:29	ZZZZZZ	1		
23:32	ZZZZZZ	1		
23:35	MA34214-CCV27	1		
23:38	MA34214-CCB27	1		
23:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:45	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:52	ZZZZZZ	1		
23:55	ZZZZZZ	1		
23:58	MP79970-MB1	1		CCV out
00:01	MP79970-B1	1		CCV out
00:04	MP79970-S1	1		CCV out. Ca high. Rerun straight and on dilution
00:08	MP79970-S2	1		CCV out. Ca high. Rerun straight and on dilution
00:11	JB68704-1	1		(sample used for QC only; not part of login JB67976)
00:14	MA34214-CCV28	1		
00:17	MA34214-CCB28	1		
00:20	MP79970-SD1	5		CCV out. Ca high. Rerun straight and on dilution
00:23	ZZZZZZ	1		
00:26	ZZZZZZ	1		
00:30	MA34214-CRIA4	1		
00:33	MA34214-CRI5	1		
00:36	MA34214-CRID5	1		
00:39	MA34214-CCV29	1		
00:42	MA34214-CCB29	1		
00:45	ZZZZZZ	1		
00:48	ZZZZZZ	1		
00:52	ZZZZZZ	1		
00:55	ZZZZZZ	1		
00:58	ZZZZZZ	1		
01:01	ZZZZZZ	1		
01:05	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:07	MA34214-STD1	2197 R	86754 R	17701 R	4798 R
11:11	MA34214-STD2	2058	79269	17589	4111
11:14	ZZZZZZ	2124	81346	17736	4294
11:17	ZZZZZZ	2207	85863	17286	4814
11:20	MA34214-ICV1	2126	81464	17740	4291
11:23	MA34214-ICB1	2212	84925	18607	4820
11:26	MA34214-CCV1	2128	81891	17753	4299
11:29	MA34214-CCB1	2245	86308	17852	4889
11:32	MA34214-CRI1	No results reported for the elements associated with this internal standard.			
11:35	MA34214-CRID1	No results reported for the elements associated with this internal standard.			
11:38	MA34214-CRIA1	2166	84988	17703	4717
11:42	MA34214-CRI2	2142	83312	17532	4591
11:45	MA34214-CRID2	2143	83916	16569	4657
11:48	MA34214-ICSA1	No results reported for the elements associated with this internal standard.			
11:51	MA34214-ICSAB1	No results reported for the elements associated with this internal standard.			
11:54	MA34214-CCV2	2070	79208	17359	4192
11:57	MA34214-CCB2	2154	84122	17066	4703
12:01	MA34214-ICSA2	1899	72417	16780	3698
12:04	MA34214-ICSAB2	1897	71664	16743	3699
12:07	MA34214-CCV3	2070	78541	17254	4194
12:10	MA34214-CCB3	2153	83274	17371	4696
12:13	ZZZZZZ	2148	84127	17927	4689
12:16	ZZZZZZ	2136	83381	18340	4355
12:19	ZZZZZZ	2093	82066	17915	4419
12:23	ZZZZZZ	1980	74858	17497	3755
12:33	MA34214-CCV4	2076	78620	17079	4209
12:38	MA34214-CCB4	2147	83039	17306	4694
12:41	ZZZZZZ	2152	83183	17374	4697
12:45	ZZZZZZ	2137	83420	17329	4669
12:48	ZZZZZZ	2152	83751	17243	4698
12:51	ZZZZZZ	2140	83084	17255	4676
12:54	ZZZZZZ	2138	83128	17248	4667
12:57	ZZZZZZ	2142	82851	17256	4671

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:00	ZZZZZZ	2137	83005	17484	4661
13:04	ZZZZZZ	2135	83096	17245	4662
13:07	ZZZZZZ	2135	83374	17265	4655
13:10	MA34214-CCV5	2049	79069	17050	4150
13:13	MA34214-CCB5	2137	83242	17147	4665
13:16	ZZZZZZ	2146	83410	17442	4586
13:19	ZZZZZZ	2157	84425	17572	4713
13:23	ZZZZZZ	2082	80451	17248	4194
13:27	ZZZZZZ	2137	83887	17408	4672
13:30	ZZZZZZ	2232	93457	19227	4122
13:33	MP79886-MB3	2183	85178	17433	4785
13:36	MP79886-LC3	2113	81227	17999	4264
13:39	MP79886-B3	2121	81807	17343	4392
13:42	MP79886-S1	2158	82503	18242	4179
13:45	MA34214-CCV6	2064	78704	16891	4172
13:48	MA34214-CCB6	2110	82649	16833	4605
13:51	MP79886-S2	2198	82075	18040	4354
13:54	MP79966-MB1	2157	84981	17309	4724
13:57	MP79966-LC1	2119	81942	17342	4286
14:00	MP79966-B1	2094	80665	17335	4325
14:03	MP79966-S1	2097	80269	18219	4177
14:06	MP79966-S2	2099	80499	17728	4196
14:09	JB68829-2	2155	82583	17656	4358
14:12	MP79966-SD1	2136	83041	17163	4502
14:15	ZZZZZZ	2104	83585	17440	4673
14:18	MA34214-CCV7	2039	78211	16804	4123
14:21	MA34214-CCB7	2124	82845	16960	4630
14:24	ZZZZZZ	1965	74522	17184	3708
14:28	ZZZZZZ	1950	74428	17158	3720
14:31	ZZZZZZ	1970	75013	17228	3706
14:34	ZZZZZZ	1972	75393	17240	3705
14:37	ZZZZZZ	1976	75384	17103	3724
14:40	ZZZZZZ	2143	82623	17608	4290

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:43	ZZZZZZ	2136	82054	17386	4371
14:46	ZZZZZZ	2146	82805	17466	4343
14:49	ZZZZZZ	2131	82148	17328	4314
14:52	MA34214-CCV8	2033	77958	16682	4112
14:55	MA34214-CCB8	2109	82158	16815	4595
14:59	ZZZZZZ	2008	77631	17049	3860
15:02	ZZZZZZ	2066	79264	17306	4100
15:05	ZZZZZZ	2065	80112	17059	4142
15:08	MP79957-MB1	2140	83555	17028	4667
15:11	MP79957-B1	2107	80946	16720	4349
15:14	MP79957-S1	2047	78643	17191	4017
15:17	MP79957-S2	2026	78110	19147	3987
15:20	JB67974-4	2066	79477	17016	4079
15:23	MP79957-SD1	2105	81841	16719	4407
15:26	MA34214-CCV9	2033	77794	16635	4109
15:29	MA34214-CCB9	2112	82558	16635	4605
15:32	ZZZZZZ	2095	80888	17348	4139
15:35	ZZZZZZ	2136	82577	17599	4212
15:39	ZZZZZZ	2147	83340	17678	4200
15:42	ZZZZZZ	2152	83182	17608	4226
15:45	ZZZZZZ	2168	83767	17680	4236
15:48	ZZZZZZ	2071	79848	17137	4072
15:51	ZZZZZZ	2109	80466	17213	4195
15:54	ZZZZZZ	2103	80811	17217	4210
15:57	ZZZZZZ	2067	79659	17168	4118
16:00	MA34214-CCV10	2030	78302	16491	4104
16:03	MA34214-CCB10	2113	82711	16514	4605
16:06	ZZZZZZ	2054	79443	17001	4104
16:09	ZZZZZZ	2078	80123	17012	4153
16:12	ZZZZZZ	2066	79527	17097	4122
16:15	ZZZZZZ	2073	80286	16953	4180
16:18	ZZZZZZ	2102	81955	17196	4214
16:21	ZZZZZZ	2095	81305	17039	4250

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:25	ZZZZZZ	2116	81911	17091	4265
16:28	ZZZZZZ	2426	94310	19940	4195
16:31	ZZZZZZ	2318	87970	18829	4156
16:34	MA34214-CCV11	2026	77349	16204	4097
16:37	MA34214-CCB11	2106	81910	16578	4586
16:40	MA34214-CRI3	2085	81089	16394	4463
16:43	MA34214-CRID3	2092	81585	16614	4540
16:46	MA34214-CRIA2	2107	82603	16466	4585
16:50	MA34214-ICSA3	1859	70562	15923	3614
16:53	MA34214-ICSAB3	1850	70669	15892	3600
16:56	MA34214-CCV12	2029	77588	16400	4104
16:59	MA34214-CCB12	2097	82013	16476	4570
17:02	ZZZZZZ	2165	84177	17897	4315
17:05	MP79961-MB1	2128	83419	16739	4666
17:08	MP79961-B1	2072	80423	16537	4295
17:12	MP79961-S1	2054	79415	16813	4096
17:14	MP79961-S2	2000	77381	16486	3945
17:17	JB68393-5	2077	80273	16914	4182
17:20	MP79961-SD1	2097	81198	16577	4426
17:24	ZZZZZZ	2148	83119	17503	4200
17:27	ZZZZZZ	2143	81631	17133	4248
17:30	MA34214-CCV13	2017	77511	16265	4082
17:33	MA34214-CCB13	2092	82185	16300	4559
17:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:39	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:45	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:48	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:51	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:54	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:00	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:03	MA34214-CCV14	No results reported for the elements associated with this internal standard.			

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ACCUTEST LABORATORIES
JB67976

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:06	MA34214-CCB14	No results reported for the elements associated with this internal standard.			
18:22	MA34214-CCV15	No results reported for the elements associated with this internal standard.			
18:25	MA34214-CCB15	No results reported for the elements associated with this internal standard.			
18:28	MA34214-CCV16	2021	74142	15784	4105
18:31	MA34214-CCB16	2094	76801	15854	4587
18:34	MA34214-CCV17	2009	72532	15813	4081
18:37	MA34214-CCB17	2082	77954	15997	4559
18:41	ZZZZZZ	2008	76008	16465	4031
18:52	MA34214-CCV18	2000	75222	15806	4065
18:55	MA34214-CCB18	2060	80626	16088	4527
18:59	ZZZZZZ	2046	78680	16681	4119
19:02	ZZZZZZ	2038	77016	16578	4031
19:05	ZZZZZZ	2166	83822	17454	4226
19:08	ZZZZZZ	2071	80470	16511	4310
19:11	ZZZZZZ	2397	91243	19250	4187
19:14	MP79911-MB2	2079	81114	16242	4575
19:17	MP79911-LC2	2044	79631	16603	4365
19:20	MA34214-CCV19	2005	77152	15944	4084
19:23	MA34214-CCB19	2082	80956	16002	4566
19:26	MP79911-S1	1922	74790	16093	3860
19:29	MP79911-S2	1932	75238	16042	3876
19:32	MP79912-MB2	2111	83012	16440	4622
19:36	MP79912-LC2	2047	80289	16937	4356
19:39	MP79912-S1	1926	74302	15927	3833
19:44	MP79912-S2	1894	999999 !a	15821	3766
19:47	MA34214-CCV20	2024	77604	15756	4112
19:50	MA34214-CCB20	2118	82722	15847	4634
19:54	MP79928-MB1	1863	70648	16080	3573
19:57	MP79928-B1	1876	70923	16071	3586
20:00	MP79928-S1	1874	71003	16013	3557
20:03	MP79928-S2	1885	70872	15914	3584
20:06	JB68364-3A	1867	70333	16028	3553
20:09	MP79928-SD1	1987	76067	15873	3977

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ACCUTEST LABORATORIES
JB67976

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:13	ZZZZZZ	1840	70135	15966	3477
20:16	ZZZZZZ	1817	69571	15829	3440
20:19	ZZZZZZ	1890	70859	15928	3601
20:22	MA34214-CCV21	2021	77985	15933	4100
20:25	MA34214-CCB21	2106	82344	15983	4602
20:28	ZZZZZZ	1858	70179	15870	3540
20:32	ZZZZZZ	1794	69017	15642	3398
20:35	ZZZZZZ	1854	70421	15895	3520
20:38	ZZZZZZ	1858	70494	15936	3524
20:41	ZZZZZZ	1766	67947	15547	3353 !a
20:45	ZZZZZZ	1785	68490	15628	3394
20:48	ZZZZZZ	1835	70166	15738	3493
20:51	ZZZZZZ	1858	70410	15782	3545
20:54	ZZZZZZ	1843	69873	15732	3507
20:58	MA34214-CCV22	2030	77545	15732	4119
21:01	MA34214-CCB22	2102	82193	15889	4591
21:04	ZZZZZZ	1854	69758	15735	3530
21:07	ZZZZZZ	1853	69682	15716	3539
21:10	ZZZZZZ	1874	70380	15753	3578
21:14	ZZZZZZ	1861	70062	15702	3548
21:17	ZZZZZZ	1857	70085	15644	3543
21:20	ZZZZZZ	1854	69957	15652	3543
21:23	MA34214-CCV23	2028	77934	15534	4116
21:26	MA34214-CCB23	2108	82247	15813	4614
21:29	MA34214-CRIA3	2128	82545	15560	4639
21:33	MA34214-CRI4	2081	80617	15688	4475
21:36	MA34214-CRID4	2103	81876	15765	4573
21:39	MA34214-CCV24	2036	77674	15691	4129
21:42	MA34214-CCB24	2110	82091	15756	4610
21:45	MP79984-MB1	1875	70807	15772	3604
21:48	MP79984-B1	1875	70927	15616	3577
21:52	MP79984-S1	1894	71598	15663	3611
21:55	MP79984-S2	1889	71717	15675	3603

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ACCUTEST LABORATORIES
JB67976

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	
21:58	JB68829-1A	1875	70635	15486	3579	
22:01	MP79984-SD1	2007	76443	15573	4027	
22:04	ZZZZZZ	1880	70669	15494	3594	
22:07	ZZZZZZ	1885	70413	15404	3592	
22:11	ZZZZZZ	1903	71590	15551	3612	
22:14	ZZZZZZ	1880	70846	15542	3591	
22:17	MA34214-CCV25	2035	77977	15331	4126	
22:20	MA34214-CCB25	2112	82330	15454	4614	
22:23	MP79982-MB1	1885	70467	15536	3608	
22:27	MP79982-B1	1863	70532	15743	3565	
22:30	MP79982-S1	1798	68663	15405	3391	
22:33	MP79982-S2	1791	68756	15559	3378	
22:36	JB67900-1R	1793	68425	15118	3378	
22:39	MP79982-SD1	1973	75731	15241	3907	
22:43	ZZZZZZ	1824	69345	15518	3434	
22:46	ZZZZZZ	1814	69720	15241	3421	
22:49	ZZZZZZ	1817	69683	15323	3415	
22:53	ZZZZZZ	1798	68455	15033	3397	
22:56	MA34214-CCV26	2027	77444	15079	4115	
22:59	MA34214-CCB26	2086	81314	15133	4565	
23:02	ZZZZZZ	1847	69758	15125	3481	
23:05	ZZZZZZ	1823	69431	14720	3434	
23:09	ZZZZZZ	1793	69083	14916	3389	
23:12	ZZZZZZ	1800	69193	15038	3380	
23:15	ZZZZZZ	1769	67810	14616	3357	!a
23:19	ZZZZZZ	1806	69224	14842	3392	
23:22	ZZZZZZ	1782	68937	14927	3355	!a
23:26	ZZZZZZ	1775	68040	14772	3361	
23:29	ZZZZZZ	1791	69010	15137	3380	
23:32	ZZZZZZ	1800	69579	15233	3382	
23:35	MA34214-CCV27	2039	78308	14850	4136	
23:38	MA34214-CCB27	2110	82083	14873	4609	
23:42	ZZZZZZ	1784	68646	14711	3383	

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ACCUTEST LABORATORIES
JB67976

INTERNAL STANDARD SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
Analyst: KK Run ID: MA34214
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:45	ZZZZZZ	1809	69620	14849	3393
23:48	ZZZZZZ	1779	68056	14528	3338 !a
23:52	ZZZZZZ	1782	68599	14517	3381
23:55	ZZZZZZ	1783	68236	14504	3382
23:58	MP79970-MB1	2124	84168	15808	4714
00:01	MP79970-B1	2132	84736	15730	4700
00:04	MP79970-S1	1760	69154	14406	3443
00:08	MP79970-S2	1782	69529	14418	3485
00:11	JB68704-1	1764	69003	14348	3452
00:14	MA34214-CCV28	2026	77665	14501	4114
00:17	MA34214-CCB28	2108	81944	14632	4603
00:20	MP79970-SD1	1967	76745	14993	4005
00:23	ZZZZZZ	999999 !	999999 !	999999 !	999999 !
00:26	ZZZZZZ	3964 !	153240 !	999999 !	8686 !
00:30	MA34214-CRIA4	2116	82373	14749	4608
00:33	MA34214-CRI5	2091	80781	14760	4480
00:36	MA34214-CRID5	2106	81785	14719	4573
00:39	MA34214-CCV29	2030	77420	14594	4111
00:42	MA34214-CCB29	2095	81508	14677	4578
00:45	ZZZZZZ	2097	82005	14807	4591
00:48	ZZZZZZ	2108	81684	14716	4584
00:52	ZZZZZZ	2098	81652	14620	4555
00:55	ZZZZZZ	2101	81485	14784	4564
00:58	ZZZZZZ	2093	75572	15232	4054
01:01	ZZZZZZ	2109	81897	14756	4583
01:05	ZZZZZZ	2091	81078	14668	4561

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.

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ACCUTEST LABORATORIES
JB67976

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time: / Sample ID:			11:23 ICB1		11:29 CCB1		11:57 CCB2		12:10 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	anr							
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	-1.0	<10	-0.80	<10	-0.50	<10	-0.70	<10
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time: / Sample ID:			11:23 ICB1		11:29 CCB1		11:57 CCB2		12:10 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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time:			12:38		13:13		13:48		14:21	
Sample ID:			CCB4		CCB5		CCB6		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	anr							
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	-0.80	<10	-0.70	<10	-1.2	<10	-1.1	<10
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time: / Sample ID:			12:38 CCB4		13:13 CCB5		13:48 CCB6		14:21 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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time:			14:55		15:29		16:03		16:37	
Sample ID:			CCB8		CCB9		CCB10		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	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	anr							
Nickel	10	.5	anr							
Palladium	50	.9								
Potassium	10000	24	anr							
Selenium	10	2.6	anr							
Silicon	200	2								
Silver	10	.5	-0.90	<10	-0.70	<10	-1.3	<10	-0.60	<10
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time:			14:55		15:29		16:03		16:37	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time:			16:59	
Sample ID:			CCB12	
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	anr	
Nickel	10	.5	anr	
Palladium	50	.9		
Potassium	10000	24	anr	
Selenium	10	2.6	anr	
Silicon	200	2		
Silver	10	.5	-0.70	<10
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34214 Units: ug/l

Time:			16:59	
Sample ID:			CCB12	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		11:20			11:26			11:54	
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	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	247	98.8	250	245	98.0	250	257	102.8
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		11:20			11:26			11:54	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		12:07			12:33			13:10	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	258	103.2	250	257	102.8	250	255	102.0
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		12:07			12:33			13:10	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		13:45			14:18			14:52	
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	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	258	103.2	250	258	103.2	250	257	102.8
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

10.7.3 10

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		13:45			14:18			14:52	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		15:26			16:00			16:34	
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	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	250	257	102.8	250	256	102.4	250	258	103.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		15:26			16:00			16:34	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		16:56	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	250	255	102.0
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

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ACCUTEST LABORATORIES
JB67976

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34214 Units: ug/l

Time:		16:56	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34214 Units: ug/l

Time:				11:38		11:42		11:45	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRI2		CRID2	
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	anr					
Silicon	200								
Silver	5.0		1.0			4.6	92.0		
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34214 Units: ug/l

Time:				11:38		11:42		11:45	
Sample ID:	CRI	CRIA	CRID	CRIA1		CRI2		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34214 Units: ug/l

Time:				16:40		16:43		16:46	
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			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	4.3	86.0				
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34214 Units: ug/l

Time:				16:40		16:43		16:46	
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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34214 Units: ug/l

Time:			12:01		12:04		16:50		16:53	
Sample ID:	ICSA	ICSAB	ICSA2		ICSAB2		ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	514000	102.8	525000	105.0	528000	105.6	533000	106.6
Antimony		1000	10.9		1090	109.0	10.7		1110	111.0
Arsenic		1000	5.9		1110	111.0	1.7		1130	113.0
Barium		500	-1.8		523	104.6	-1.4		537	107.4
Beryllium		500	-0.20		514	102.8	-0.20		519	103.8
Bismuth		500	24.7		545	109.0	24.3		555	111.0
Boron			-6.1		-3.8		-4.8		-4.1	
Cadmium		1000	1.5		1040	104.0	1.8		1070	107.0
Calcium	400000	400000	395000	98.8	398000	99.5	396000	99.0	399000	99.8
Chromium		500	0.30		510	102.0	-0.30		514	102.8
Cobalt		500	-0.70		500	100.0	0.0		514	102.8
Copper		500	-2.4		531	106.2	-2.7		537	107.4
Iron	200000	200000	197000	98.5	200000	100.0	197000	98.5	201000	100.5
Lead		1000	-3.3		1000	100.0	1.0		1020	102.0
Lithium		500	8.4		563	112.6	7.5		570	114.0
Magnesium	500000	500000	572000	114.4	574000	114.8	532000	106.4	532000	106.4
Manganese		500	3.7		521	104.2	2.7		528	105.6
Molybdenum		500	-1.0		510	102.0	-1.4		519	103.8
Nickel		1000	0.50		1010	101.0	0.60		1020	102.0
Palladium		500	19.9		556	111.2	19.7		557	111.4
Potassium			147		191		233		211	
Selenium		1000	8.2		1060	106.0	5.7		1070	107.0
Silicon			-20		-19		-18		-21	
Silver		1000	9.4		1060	106.0	6.4		1070	107.0
Sodium			-9.6		-24		-64		-55	
Sulfur		500	-13		504	100.8	-14		508	101.6
Strontium			-5.4		-5.5		-5.2		-5.3	
Thallium		1000	-1.0		999	99.9	-0.40		1010	101.0
Tin			-1.3		-3.3		-3.0		-3.2	
Titanium			1.6		1.3		0.50		0.80	
Tungsten		500	7.8		575	115.0	-4.5		575	115.0
Vanadium		500	0.0		492	98.4	0.10		496	99.2
Zinc		1000	0.80		989	98.9	0.40		1010	101.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SE061114M1.ICP Date Analyzed: 06/11/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34214 Units: ug/l

Time:			12:01		12:04		16:50		16:53	
Sample ID:	ICSA	ICSAB	ICSA2		ICSAB2		ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	0.70		0.90	0.2*	-0.10		0.40	0.1*

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79781
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	6.7	11	3.8	<200
Antimony	6.0	1.3	2.6	0.90	<6.0
Arsenic	3.0	1.2	2.6	-0.80	<3.0
Barium	200	.2	1	-0.20	<200
Beryllium	1.0	.04	.4	0.0	<1.0
Bismuth	20	1.2	2.4		
Boron	100	1.2	4.9		
Cadmium	3.0	.2	.7	0.30	<3.0
Calcium	5000	8.7	19	0.50	<5000
Chromium	10	.3	.89	0.0	<10
Cobalt	50	.4	.83	-0.10	<50
Copper	10	.5	1.2	-0.30	<10
Iron	100	3.8	12	1.1	<100
Lead	3.0	1.3	1.3	-0.80	<3.0
Lithium	20	.8	2.8		
Magnesium	5000	12	41	-1.3	<5000
Manganese	15	.04	.48	0.10	<15
Molybdenum	20	.5	1.1		
Nickel	10	.7	.75	-1.2	<10
Palladium	50	1	3.2		
Potassium	10000	17	50	-2.2	<10000
Selenium	10	2	3.6	1.3	<10
Silicon	200	8.4	24		
Silver	10	.3	1.2	-0.30	<10
Sodium	10000	7.1	19	36.7	<10000
Sulfur	50	4.4	10		
Strontium	10	.09	.76		
Thallium	2.0	1.4	1.8	-0.40	<2.0
Tin	10	.8	3.6		
Titanium	10	.4	.93		
Tungsten	50	11	14		
Vanadium	50	.3	.87	0.20	<50
Zinc	20	1.5	7.6	1.1	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79781
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.6	1.9		

Associated samples MP79781: JB67976-6

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79781
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/14

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	4900	5000	98.0	80-120
Antimony	514	500	102.8	80-120
Arsenic	497	500	99.4	80-120
Barium	517	500	103.4	80-120
Beryllium	488	500	97.6	80-120
Bismuth				
Boron				
Cadmium	494	500	98.8	80-120
Calcium	5530	5500	100.5	80-120
Chromium	459	500	91.8	80-120
Cobalt	450	500	90.0	80-120
Copper	491	500	98.2	80-120
Iron	5440	5500	98.9	80-120
Lead	469	500	93.8	80-120
Lithium				
Magnesium	5430	5500	98.7	80-120
Manganese	482	500	96.4	80-120
Molybdenum				
Nickel	470	500	94.0	80-120
Palladium				
Potassium	10200	10000	102.0	80-120
Selenium	527	500	105.4	80-120
Silicon				
Silver	186	200	93.0	80-120
Sodium	10600	10000	106.0	80-120
Sulfur				
Strontium				
Thallium	498	500	99.6	80-120
Tin				
Titanium				
Tungsten				
Vanadium	477	500	95.4	80-120
Zinc	481	500	96.2	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79781
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/30/14

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium				

Associated samples MP79781: JB67976-6

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/07/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.48	1.3	0.50	<50
Antimony	2.0	.11	.27	0.23	<2.0
Arsenic	2.0	.1	.29	-0.20	<2.0
Barium	20	.02	.08	0.12	<20
Beryllium	0.20	.001	.02	0.0	<0.20
Bismuth	2.0	.14	.23		
Boron	10	.1	.18		
Cadmium	0.50	.02	.05	0.010	<0.50
Calcium	500	.6	3	13.4	<500
Chromium	1.0	.03	.07	0.060	<1.0
Cobalt	5.0	.03	.06	-0.040	<5.0
Copper	2.5	.12	.15	0.050	<2.5
Iron	50	.12	.96	4.5	<50
Lead	2.0	.13	.21	0.090	<2.0
Lithium	2.0	.08	.2		
Magnesium	500	1.4	3.4	4.8	<500
Manganese	1.5	.004	.06	0.090	<1.5
Molybdenum	2.0	.03	.07		
Nickel	4.0	.05	.1	0.10	<4.0
Palladium	5.0	.09	.26		
Potassium	1000	2.1	4	1.5	<1000
Selenium	2.0	.26	.33	0.040	<2.0
Silicon	20	.2	4		
Silver	0.50	.05	.14	0.040	<0.50
Sodium	1000	.59	1.9	5.1	<1000
Strontium	1.0	.004	.03		
Sulfur	5.0	.28	1		
Thallium	1.0	.17	.41	-0.30	<1.0
Tin	5.0	.07	1.3		
Titanium	1.0	.04	.1		
Tungsten	5.0	.07	4.5		
Vanadium	5.0	.02	.09	-0.030	<5.0
Zinc	2.0	.03	.38	0.35	<2.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/07/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.01	.26		

Associated samples MP79886: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/10/14

Metal	JB68100-13A Original	MS	Spikelot MPIOS5	% Rec	QC Limits
Aluminum	9060	18600	6550	145.8N(a	75-125
Antimony	0.46	74.8	121	61.3N(a)	75-125
Arsenic	4.1	459	485	93.8	75-125
Barium	34.1	500	485	96.1	75-125
Beryllium	0.62	12.3	12.1	96.4	75-125
Bismuth					
Boron					
Cadmium	0.21	11.6	12.1	94.0	75-125
Calcium	2700	2580	1520	-7.9N(a)	75-125
Chromium	14.4	63.1	48.5	100.4	75-125
Cobalt	6.0	123	121	96.5	75-125
Copper	8.0	65.0	60.6	94.1	75-125
Iron	14800	21400	6300	104.7	75-125
Lead	15.9	134	121	97.4	75-125
Lithium					
Magnesium	2900	4790	1520	124.7	75-125
Manganese	329	340	121	9.1N (a)	75-125
Molybdenum	anr				
Nickel	10.6	127	121	96.0	75-125
Palladium					
Potassium	967	2900	1520	127.6N(a	75-125
Selenium	0.60	466	485	96.0	75-125
Silicon					
Silver	0.80	13.6	12.4	103.6	75-125
Sodium	506	2110	1520	105.9	75-125
Strontium					
Sulfur					
Thallium	0.0	461	485	95.1	75-125
Tin					
Titanium					
Tungsten					
Vanadium	22.3	135	121	93.0	75-125
Zinc	31.1	153	121	100.6	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/10/14

Metal	JB68100-13A Original MS	Spikelot MPIOS5	% Rec	QC Limits
Zirconium				

Associated samples MP79886: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/10/14

Metal	JB68100-13A Original	MSD	Spikelot MPIOS5	% Rec	MSD RPD	QC Limit
Aluminum	9060	15100	6420	94.1	20.8 (a)	20
Antimony	0.46	78.6	119	65.7N(b)	5.0	20
Arsenic	4.1	448	476	93.3	2.4	20
Barium	34.1	484	476	94.6	3.3	20
Beryllium	0.62	11.9	11.9	94.9	3.3	20
Bismuth						
Boron						
Cadmium	0.21	11.4	11.9	94.1	1.7	20
Calcium	2700	2710	1490	0.7N (b)	4.9	20
Chromium	14.4	57.3	47.6	90.2	9.6	20
Cobalt	6.0	119	119	95.0	3.3	20
Copper	8.0	59.1	59.4	86.0	9.5	20
Iron	14800	19400	6180	74.4N(b)	9.8	20
Lead	15.9	128	119	94.3	4.6	20
Lithium						
Magnesium	2900	4010	1490	74.7N(b)	17.7	20
Manganese	329	313	119	-13.5N(b	8.3	20
Molybdenum	anr					
Nickel	10.6	122	119	93.7	4.0	20
Palladium						
Potassium	967	2490	1490	102.5	15.2	20
Selenium	0.60	455	476	95.5	2.4	20
Silicon						
Silver	0.80	13.1	12.5	98.5	3.7	20
Sodium	506	1990	1490	99.8	5.9	20
Strontium						
Sulfur						
Thallium	0.0	455	476	95.7	1.3	20
Tin						
Titanium						
Tungsten						
Vanadium	22.3	126	119	87.2	6.9	20
Zinc	31.1	141	119	92.4	8.2	20

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ACCUTEST LABORATORIES
JB67976

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/10/14

Metal	JB68100-13A Original	Spikelot MSD MPIOS5	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP79886: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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) High rpd due to possible sample nonhomogeneity.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			06/07/14				06/07/14	
Metal	BSP Result	Spikelot MPIOS5	% Rec	QC Limits	LCS Result	Spikelot MPLC54082	% Rec	QC Limits
Aluminum	5040	5290	95.2	80-120	10500	8740	120.1	54-146
Antimony	91.3	98	93.1	80-120	117	108	108.3	2-215
Arsenic	381	392	97.2	80-120	153	151	101.3	81-120
Barium	377	392	96.1	80-120	254	262	96.9	83-117
Beryllium	9.8	9.8	100.0	80-120	129	133	97.0	82-118
Bismuth								
Boron								
Cadmium	8.8	9.8	89.8	80-120	152	152	100.0	82-118
Calcium	1230	1230	100.4	80-120	6490	6400	101.4	82-118
Chromium	39.4	39.2	100.5	80-120	129	117	110.3	79-121
Cobalt	96.0	98	97.9	80-120	73.0	68.7	106.3	83-117
Copper	45.5	49	92.8	80-120	67.6	68.6	98.5	81-119
Iron	5090	5100	99.8	80-120	13900	12300	113.0	40-160
Lead	97.3	98	99.2	80-120	260	254	102.4	81-119
Lithium								
Magnesium	1230	1230	100.4	80-120	3880	3600	107.8	77-123
Manganese	99.3	98	101.3	80-120	589	563	104.6	81-118
Molybdenum	anr							
Nickel	96.8	98	98.7	80-120	328	315	104.1	82-118
Palladium								
Potassium	1170	1230	95.5	80-120	3380	3040	111.2	70-130
Selenium	388	392	98.9	80-120	168	162	103.7	77-122
Silicon								
Silver					44.7	44.3	100.9	74-126
Sodium	1230	1230	100.4	80-120	764	746	102.4	72-128
Strontium								
Sulfur								
Thallium	397	392	101.2	80-120	278	259	107.3	79-122
Tin								
Titanium								
Tungsten								
Vanadium	91.1	98	92.9	80-120	126	116	108.6	77-122
Zinc	96.4	98	98.3	80-120	321	306	104.9	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:				06/07/14				06/07/14
Metal	BSP Result	Spikelot MPIOS5	% Rec	QC Limits	LCS Result	Spikelot MPLC54082	% Rec	QC Limits
Zirconium								

Associated samples MP79886: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/07/14

Metal	JB68100-13A Original	SDL 1:5	%DIF	QC Limits
Aluminum	68900	70900	2.8	0-10
Antimony	3.50	0.00	100.0(a)	0-10
Arsenic	31.0	31.4	1.3	0-10
Barium	260	273	5.3	0-10
Beryllium	4.70	4.80	2.1	0-10
Bismuth				
Boron				
Cadmium	1.60	1.60	0.0	0-10
Calcium	20500	22300	8.8	0-10
Chromium	110	113	3.4	0-10
Cobalt	45.5	45.9	0.9	0-10
Copper	60.7	69.3	14.2*(b)	0-10
Iron	113000	121000	7.3	0-10
Lead	121	122	1.3	0-10
Lithium				
Magnesium	22000	22800	3.4	0-10
Manganese	2510	2610	4.2	0-10
Molybdenum	anr			
Nickel	80.7	81.9	1.5	0-10
Palladium				
Potassium	7360	7530	2.2	0-10
Selenium	4.60	0.00	100.0(a)	0-10
Silicon				
Silver	6.10	8.70	42.6 (a)	0-10
Sodium	3850	3980	3.3	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	170	174	2.1	0-10
Zinc	236	262	10.8*(b)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79886
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/07/14

Metal	JB68100-13A Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP79886: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB67976
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: JB67976-6

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: JB67976
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: JB67976-6

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79977 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/11/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0063	.0075	-0.0071	<0.033

Associated samples MP79977: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79977
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/11/14

Metal	JB68561-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	0.33	0.31	106.6	75-125

Associated samples MP79977: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79977 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/11/14

Metal	JB68561-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.37	0.335	110.3	11.4	20

Associated samples MP79977: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

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: JB67976
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP79977
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/11/14

Metal	LCS Result	Spikelot HGLCS54082% Rec		QC Limits
Mercury	6.4	5.76	111.1	71-129

Associated samples MP79977: JB67976-1, JB67976-2, JB67976-3, JB67976-4, JB67976-5, JB67976-8, JB67976-9, JB67976-10, JB67976-11, JB67976-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB67976
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:
MA34211

Instrument Detection Limits

Job Number: JB67976
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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE1 **Effective Date:** 03/20/14

Analyte	IDL ug/l
Aluminum	6.7
Antimony	1.3
Arsenic	1.2
Barium	.2
Beryllium	.04
Bismuth	1.2
Boron	1.2
Cadmium	.2
Calcium	8.7
Chromium	.3
Cobalt	.4
Copper	.5
Iron	3.8
Lead	1.3
Lithium	.8
Magnesium	12.3
Manganese	.04
Molybdenum	.5
Nickel	.7
Palladium	1
Potassium	16.5
Selenium	2
Silicon	8.4
Silver	.3
Sodium	7.1
Sulfur	4.4
Strontium	.09
Thallium	1.4
Tin	.8
Titanium	.4
Tungsten	10.6
Vanadium	.3
Zinc	1.5
Zirconium	.6

The above applies to the following instrument runs:
MA34145,MA34154

Instrument Detection Limits

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE3 **Effective Date:** 03/19/14

Analyte	IDL ug/l
Aluminum	15.5
Antimony	1.6
Arsenic	2.2
Barium	.3
Beryllium	.1
Bismuth	1.4
Boron	1
Cadmium	.3
Calcium	22.7
Chromium	.8
Cobalt	.3
Copper	1.2
Iron	7.1
Lead	1.8
Lithium	.8
Magnesium	34.4
Manganese	.2
Molybdenum	.6
Nickel	.7
Palladium	1.2
Potassium	20.7
Selenium	3.2
Silicon	6.7
Silver	.5
Sodium	17.5
Sulfur	12.7
Strontium	.2
Thallium	1.7
Tin	1.3
Titanium	.7
Tungsten	8.5
Vanadium	.5
Yttrium	5
Zinc	3.4
Zirconium	.5

The above applies to the following instrument runs:
MA34164,MA34188

Instrument Detection Limits

Job Number: JB67976
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:
MA34214

Instrument Linear Ranges

Job Number: JB67976
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:
MA34211

Instrument Linear Ranges

Job Number: JB67976
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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE1 **Effective Date:** 03/25/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	500000
Chromium	50000
Cobalt	25000
Copper	25000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	25000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	50000
Titanium	50000
Tungsten	25000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA34145,MA34154

Instrument Linear Ranges

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE3 **Effective Date:** 01/28/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	500000
Lead	50000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	50000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	25000
Thallium	50000
Tin	50000
Titanium	50000
Tungsten	25000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34164,MA34188

Instrument Linear Ranges

Job Number: JB67976
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:
MA34214

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/2/2014 11:38:50 Type: Cal
Method: Accutest1(v88) 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	**.0007**	**.0002**	**.0009**	**-.0003**	**.0000**	**.0030**	**.0001**	**.0016**	**.0000**
Stddev	.0003	.0002	.0000	.0001	.0000	.0000	.0000	.0000	.000
%RSD	38.74	83.37	4.955	38.73	2.367	1.252	10.57	2.706	123.3
#1	.0005	.0003	.0009	-.0004	.0000	.0030	.0001	.0016	.0000
#2	.0009	.0001	.0009	-.0002	.0000	.0029	.0001	.0016	.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**	**.0004**	**-.0006**	**-.0004**	**-.0001**	**.0009**	**.0009**	**-.0001**	**.0065**
Stddev	.0000	.0001	.0000	.0000	.0000	.0001	.0000	.0001	.0000
%RSD	6.087	14.62	5.956	2.323	6.110	5.663	.6419	205.6	.0802
#1	-.0001	.0004	-.0006	-.0004	-.0001	.0010	.0009	.0000	.0065
#2	-.0001	.0004	-.0006	-.0004	-.0001	.0009	.0009	-.0001	.0065

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	**.0002**	**-.0001**	**-.0012**	**-.0003**	**.0006**	**.0015**	**-.0001**	**.0074**	**.0003**
Stddev	.0000	.0000	.0004	.0002	.0000	.0001	.0000	.0007	.0000
%RSD	19.58	9.976	29.86	53.72	1.354	7.057	57.10	9.209	8.578
#1	.0002	-.0001	-.0014	-.0002	.0006	.0016	.0000	.0069	.0004
#2	.0002	-.0001	-.0009	-.0004	.0006	.0015	-.0001	.0079	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0006**	**-.0002**	**.0097**	**.0001**	**-.0029**	**-.0023**	**.0006**
Stddev	.0001	.0000	.0004	.0000	.0000	.0002	.0002
%RSD	10.25	8.702	4.224	8.398	1.101	7.485	28.04
#1	-.0006	-.0002	.0100	.0001	-.0029	-.0025	.0007
#2	-.0005	-.0002	.0095	.0001	-.0028	-.0022	.0005

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/2/2014 11:38:50 Type: Cal
Method: Accutest1(v88) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**171420.**	**34966.**	**2363.6**	**6520.7**
Stddev	81.	27.	6.9	3.9
%RSD	.04732	.07726	.28997	.06048
#1	171360.	34947.	2368.4	6523.5
#2	171480.	34985.	2358.7	6517.9

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/2/2014 11:44:52 Type: Cal
Method: Accutest1(v88) 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	**5.380**	**12.54**	**4.324**	**1.682**	**.2861**	**.9329**	**1.550**	**1.315**	**.0552**
Stddev	.009	.01	.013	.003	.0001	.0003	.006	.001	.0001
%RSD	.1700	.0507	.2988	.1893	.0424	.0270	.3821	.0459	.0928
#1	5.373	12.54	4.315	1.680	.2860	.9327	1.554	1.315	.0553
#2	5.386	12.54	4.333	1.684	.2862	.9331	1.545	1.316	.0552

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	**.4796**	**3.448**	**.6557**	**.1751**	**.5498**	**.4382**	**.8838**	**2.156**	**4.951**
Stddev	.0003	.005	.0024	.0010	.0000	.0010	.0028	.002	.001
%RSD	.0542	.1469	.3675	.5776	.0054	.2333	.3160	.1066	.0175
#1	.4794	3.445	.6540	.1744	.5497	.4375	.8818	2.154	4.951
#2	.4798	3.452	.6574	.1758	.5498	.4389	.8858	2.157	4.952

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	**3.414**	**.4384**	**1.237**	**4.990**	**.8686**	**3.886**	**.1604**	**2.884**	**.7062**
Stddev	.005	.0002	.002	.012	.0038	.013	.0002	.012	.0013
%RSD	.1348	.0461	.1742	.2452	.4353	.3392	.1260	.4069	.1895
#1	3.410	.4383	1.236	4.981	.8659	3.877	.1603	2.876	.7053
#2	3.417	.4385	1.239	4.998	.8713	3.895	.1606	2.892	.7072

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	**9.994**	**.4992**	**1.748**	**1.040**	**.2230**	**1.259**	**1.981**
Stddev	.018	.0002	.012	.001	.0001	.004	.004
%RSD	.1776	.0460	.6577	.0539	.0565	.3531	.2006
#1	10.01	.4990	1.740	1.039	.2230	1.256	1.979
#2	9.982	.4994	1.756	1.040	.2231	1.262	1.984

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/2/2014 11:44:52 Type: Cal
Method: Accutest1(v88) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**161380.**	**33188.**	**2198.2**	**5956.7**
Stddev	14.	31.	9.7	16.9
%RSD	.00896	.09441	.44059	.28310
#1	161390.	33165.	2205.1	5968.6
#2	161370.	33210.	2191.4	5944.7

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/2/2014 11:50:58 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.104**	**2.006**	**2.008**	**2.030**	**1.962**	**2.113**	**2.038**	**.2427**
Stddev	.059	.054	.004	.002	.004	.003	.001	.005	.0008
%RSD	2.917	2.556	.2031	.0753	.1961	.1451	.0596	.2408	.3267
#1	2.079	2.142	2.003	2.007	2.028	1.964	2.112	2.034	.2433
#2	1.995	2.066	2.009	2.009	2.033	1.960	2.114	2.041	.2422
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	**2.087**	**2.049**	**1.997**	**2.054**	**2.030**	**1.980**	**1.987**	**40.56**	**40.98**
Stddev	.002	.006	.004	.003	.002	.003	.004	1.14	.88
%RSD	.0790	.2877	.1891	.1241	.1159	.1398	.1963	2.809	2.136
#1	2.085	2.045	1.994	2.052	2.028	1.978	1.985	41.36	41.60
#2	2.088	2.053	2.000	2.056	2.032	1.982	1.990	39.75	40.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.20**	**40.64**	**40.37**	**40.75**	**1.977**	**2.022**	**1.951**	**4.927**	**2.033**
Stddev	.97	.97	1.16	1.16	.003	.006	.000	.010	.005
%RSD	2.365	2.388	2.867	2.858	.1554	.3140	.0145	.2066	.2624
#1	41.89	41.33	41.19	41.57	1.974	2.017	1.951	4.920	2.029
#2	40.52	39.96	39.55	39.92	1.979	2.026	1.951	4.935	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/2/2014 11:50:58 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.099**	**2.027**	**1.995**	**2.015**	**1.942**	**1.980**	**2.038**
Stddev	.060	.003	.005	.000	.009	.005	.064
%RSD	2.863	.1334	.2631	.0175	.4592	.2417	3.143
#1	2.142	2.025	1.991	2.015	1.936	1.977	2.083
#2	2.057	2.029	1.999	2.016	1.949	1.983	1.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**165220.**	**32931.**	**2270.4**	**6158.9**
Stddev	232.	626.	5.3	7.3
%RSD	.14041	1.9017	.23388	.11812
#1	165380.	32488.	2274.1	6164.1
#2	165060.	33373.	2266.6	6153.8

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/2/2014 11:56:48 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**.0001**	**-.0001**	**-.0003**	**-.0005**	**.0001**	**.0000**	**-.0003**
Stddev	.0001	.0000	.0001	.0000	.0002	.0001	.0001	.0001	.0000
%RSD	74.56	94.01	58.93	49.72	72.10	18.46	103.8	1271.	3.682
#1	-.0002	.0001	.0001	-.0001	-.0004	-.0006	.0000	.0001	-.0003
#2	-.0001	.0000	.0001	.0000	-.0001	-.0004	.0001	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	**.0005**	**.0005**	**-.0003**	**-.0005**	**.0015**	**-.0048**	**-.0036**
Stddev	.0000	.0001	.0005	.0006	.0002	.0011	.0005	.0016	.0007
%RSD	17.69	22.75	105.5	130.1	54.46	212.6	34.68	34.34	19.01
#1	.0001	-.0003	.0009	.0009	-.0002	-.0012	.0012	-.0036	-.0031
#2	.0001	-.0004	.0001	.0000	-.0004	.0002	.0019	-.0059	-.0041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0031**	**.0321**	**.0052**	**.0012**	**.0007**	**.0004**	**-.0010**	**.0001**
Stddev	.0007	.0146	.0083	.0028	.0011	.0003	.0000	.0004	.0002
%RSD	140.0	475.8	25.99	53.92	97.40	40.18	6.151	39.69	186.1
#1	-.0010	-.0134	.0262	.0032	.0004	.0009	.0004	-.0007	.0003
#2	.0000	.0073	.0379	.0071	.0020	.0005	.0005	-.0013	.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: ccbconf Acquired: 6/2/2014 11:56:48 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0012**	**.0000**	**.0012**	**-.0002**	**.0017**
Stddev	.0000	.0002	.0011	.0001	.0003	.0008	.0005
%RSD	12.62	62.63	90.76	444.1	22.62	509.2	27.88
#1	.0001	.0001	.0020	.0000	.0014	-.0007	.0014
#2	.0001	.0004	.0004	.0001	.0010	.0004	.0021
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	**171040.**	**34697.**	**2341.3**	**6462.9**
Stddev	292.	8.	10.1	20.5
%RSD	.17101	.02232	.43215	.31680
#1	170840.	34702.	2348.4	6477.3
#2	171250.	34691.	2334.1	6448.4

Zoom In Zoom Out

Sample Name: icv Acquired: 6/2/2014 12:04:30 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.989**	**2.042**	**1.994**	**1.993**	**2.011**	**1.947**	**2.089**	**2.021**	**.2406**
Stddev	.004	.005	.003	.002	.006	.014	.005	.002	.0013
%RSD	.1958	.2664	.1316	.0900	.3151	.7343	.2613	.0973	.5208
#1	1.991	2.048	1.991	1.991	2.005	1.931	2.086	2.019	.2393
#2	1.985	2.041	1.994	1.993	2.009	1.958	2.086	2.021	.2407
#3	1.992	2.037	1.996	1.995	2.018	1.952	2.096	2.023	.2418
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	**2.072**	**2.028**	**1.986**	**2.047**	**2.014**	**1.979**	**1.985**	**39.21**	**39.83**
Stddev	.005	.005	.004	.001	.001	.003	.003	.06	.10
%RSD	.2329	.2562	.1749	.0504	.0606	.1599	.1242	.1556	.2410
#1	2.067	2.023	1.982	2.046	2.014	1.976	1.984	39.25	39.92
#2	2.073	2.026	1.988	2.047	2.013	1.978	1.982	39.14	39.83
#3	2.077	2.033	1.988	2.048	2.016	1.982	1.987	39.23	39.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.06**	**39.32**	**39.14**	**39.58**	**1.970**	**2.017**	**1.928**	**4.917**	**2.022**
Stddev	.10	.09	.08	.09	.006	.004	.014	.005	.003
%RSD	.2546	.2269	.2000	.2180	.2890	.1948	.7317	.1074	.1588
#1	40.17	39.43	39.15	39.60	1.964	2.013	1.912	4.912	2.019
#2	40.06	39.28	39.06	39.48	1.975	2.017	1.939	4.919	2.021
#3	39.96	39.26	39.22	39.65	1.971	2.020	1.933	4.922	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: icv Acquired: 6/2/2014 12:04:30 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.004**	**1.967**	**1.991**	**1.937**	**1.984**	**1.986**
Stddev	.002	.009	.008	.008	.011	.004	.007
%RSD	.1061	.4250	.3951	.3928	.5807	.1769	.3462
#1	2.037	1.995	1.960	1.982	1.933	1.980	1.990
#2	2.034	2.005	1.966	1.995	1.929	1.986	1.978
#3	2.038	2.012	1.975	1.995	1.950	1.985	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	**166940.**	**33922.**	**2270.9**	**6176.1**
Stddev	505.	103.	2.9	3.6
%RSD	.30230	.30457	.12602	.05810
#1	167500.	33818.	2273.9	6178.8
#2	166810.	34025.	2270.6	6177.4
#3	166510.	33923.	2268.2	6172.0

Zoom In Zoom Out

Sample Name: icb Acquired: 6/2/2014 12:15:30 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**.0001**	**.0000**	**-.0005**	**.0001**	**.0002**	**.0000**
Stddev	.0001	.0000	.0000	.0002	.0002	.0003	.0000	.0002	.000
%RSD	76.14	21.75	12.81	169.1	1522.	53.54	20.22	125.4	221.6
#1	.0001	.0001	.0000	.0002	-.0001	-.0007	.0001	.0000	.0000
#2	.0002	.0001	.0001	.0000	.0001	-.0003	.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	**.0002**	**.0002**	**.0002**	**.0003**	**.0002**	**-.0010**	**.0001**	**-.0001**	**-.0017**
Stddev	.0000	.0001	.0005	.0001	.0001	.0003	.0010	.0010	.0013
%RSD	7.860	55.54	220.6	52.02	33.18	28.25	1051.	913.9	76.66
#1	.0002	.0001	.0006	.0002	.0003	-.0008	.0008	.0006	-.0008
#2	.0002	.0002	-.0001	.0004	.0002	-.0012	-.0006	-.0008	-.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**-.0092**	**.0343**	**.0058**	**.0000**	**-.0001**	**.0002**	**-.0006**	**.0000**
Stddev	.0002	.0010	.0254	.0022	.001	.0002	.0006	.0000	.000
%RSD	10.02	11.39	73.98	38.21	1355.	157.5	391.3	7.169	348.5
#1	.0025	-.0084	.0164	.0042	.0003	.0000	.0006	-.0006	.0000
#2	.0021	-.0099	.0523	.0074	-.0004	-.0002	-.0003	-.0006	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/2/2014 12:15:30 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0076**	**-.0003**	**-.0013**	**-.0008**	**.0008**
Stddev	.0000	.0001	.0007	.0000	.0011	.0002	.0000
%RSD	5.537	72.12	9.595	9.887	86.09	19.48	3.604
#1	.0002	.0001	-.0071	-.0003	-.0021	-.0007	.0008
#2	.0002	.0002	-.0081	-.0003	-.0005	-.0010	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**171690.**	**34826.**	**2364.9**	**6528.9**
Stddev	319.	27.	4.3	1.2
%RSD	.18579	.07759	.18181	.01800
#1	171470.	34807.	2361.9	6529.8
#2	171920.	34845.	2368.0	6528.1

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/2/2014 12:20:37 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.990**	**2.044**	**2.001**	**1.999**	**2.015**	**1.960**	**2.084**	**2.032**	**.2422**
Stddev	.003	.003	.004	.004	.003	.003	.004	.005	.0005
%RSD	.1419	.1295	.1808	.1799	.1625	.1411	.1926	.2514	.2133
#1	1.990	2.045	1.997	1.995	2.018	1.957	2.086	2.026	.2422
#2	1.990	2.046	1.998	1.998	2.016	1.958	2.087	2.030	.2426
#3	1.993	2.046	2.004	2.002	2.018	1.962	2.084	2.035	.2424
#4	1.986	2.041	2.005	2.002	2.011	1.962	2.078	2.037	.2414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.081**	**2.037**	**1.992**	**2.066**	**2.026**	**1.986**	**1.984**	**39.12**	**39.88**
Stddev	.003	.005	.005	.006	.008	.004	.002	.09	.07
%RSD	.1520	.2292	.2577	.2941	.3930	.1934	.1148	.2343	.1755
#1	2.084	2.031	1.989	2.062	2.016	1.987	1.982	39.12	39.78
#2	2.084	2.036	1.987	2.060	2.024	1.981	1.983	39.13	39.89
#3	2.081	2.040	1.997	2.068	2.029	1.989	1.985	39.22	39.90
#4	2.077	2.042	1.997	2.073	2.034	1.989	1.987	39.00	39.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/2/2014 12:20:37 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.15**	**39.48**	**39.10**	**39.60**	**1.968**	**2.030**	**1.935**	**4.948**	**2.036**
Stddev	.02	.08	.10	.12	.003	.005	.004	.011	.006
%RSD	.0404	.1985	.2518	.3142	.1513	.2534	.1968	.2196	.2767
#1	40.14	39.36	39.09	39.63	1.969	2.026	1.932	4.939	2.031
#2	40.15	39.52	39.11	39.64	1.963	2.026	1.932	4.940	2.032
#3	40.17	39.52	39.21	39.72	1.970	2.034	1.939	4.953	2.043
#4	40.15	39.52	38.97	39.43	1.969	2.036	1.938	4.961	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**1.999**	**1.978**	**1.986**	**1.964**	**1.994**	**1.988**
Stddev	.004	.002	.008	.002	.009	.004	.008
%RSD	.1814	.0810	.4037	.0882	.4851	.1753	.3834
#1	2.035	2.001	1.969	1.987	1.959	1.990	1.990
#2	2.033	1.999	1.973	1.984	1.953	1.992	1.992
#3	2.038	2.001	1.984	1.988	1.968	1.997	1.993
#4	2.029	1.998	1.986	1.985	1.974	1.996	1.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/2/2014 12:20:37 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**165960.**	**33699.**	**2257.0**	**6142.6**
Stddev	143.	75.	3.0	10.6
%RSD	.08619	.22231	.13342	.17230
#1	165890.	33730.	2258.7	6154.0
#2	165940.	33631.	2260.3	6149.2
#3	165850.	33646.	2255.2	6134.0
#4	166170.	33791.	2253.8	6133.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 12:30:37 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**.0001**	**-.0001**	**-.0009**	**.0001**	**.0001**	**-.0003**
Stddev	.0001	.0000	.0000	.0001	.0002	.0001	.0000	.0001	.0001
%RSD	206.3	40.91	60.83	100.2	383.3	11.83	1.585	44.71	25.04
#1	.0001	.0001	.0000	.0002	.0001	-.0009	.0001	.0002	-.0002
#2	.0000	.0001	.0001	.0000	-.0002	-.0010	.0001	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0002**	**.0005**	**.0003**	**.0003**	**-.0006**	**.0007**	**-.0007**	**-.0021**
Stddev	.0004	.0001	.0004	.0007	.0009	.0001	.0015	.0083	.0006
%RSD	213.2	38.15	72.04	273.4	349.1	11.84	201.8	1244.	31.24
#1	-.0001	-.0002	.0003	.0008	-.0004	-.0005	-.0003	-.0065	-.0016
#2	.0005	-.0001	.0008	-.0002	.0009	-.0006	.0018	.0052	-.0025
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	**.0014**	**.0048**	**.0358**	**.0110**	**.0007**	**.0003**	**.0008**	**-.0005**	**.0000**
Stddev	.0003	.0081	.0005	.0002	.0005	.0000	.0008	.0007	.000
%RSD	22.65	168.9	1.354	2.101	76.89	6.547	99.70	133.1	46.46
#1	.0012	-.0009	.0362	.0112	.0003	.0003	.0002	-.0011	.0000
#2	.0017	.0105	.0355	.0109	.0010	.0003	.0014	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 12:30:37 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0037**	**-.0001**	**-.0003**	**-.0012**	**.0016**
Stddev	.0001	.0000	.0011	.0000	.0017	.0008	.0007
%RSD	30.02	7.907	29.36	34.54	517.3	64.40	47.13
#1	.0002	.0002	-.0030	-.0001	.0009	-.0018	.0021
#2	.0002	.0003	-.0045	-.0001	-.0015	-.0007	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**171170.**	**35001.**	**2367.3**	**6539.5**
Stddev	357.	267.	37.1	102.3
%RSD	.20872	.76158	1.5686	1.5642
#1	170920.	35190.	2393.5	6611.9
#2	171420.	34813.	2341.0	6467.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/2/2014 12:35:56 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2011**	**.0022**	**.0033**	**.0521**	**.0107**	**.0092**	**.0167**	**.0112**	**.0049**
Stddev	.0003	.0000	.0001	.0001	.0002	.0001	.0000	.0003	.0002
%RSD	.1647	.0165	2.341	.2032	1.490	1.138	.1801	2.963	4.689
#1	.2009	.0022	.0032	.0520	.0106	.0092	.0167	.0109	.0047
#2	.2013	.0022	.0033	.0522	.0108	.0091	.0167	.0114	.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	**.0555**	**.0218**	**.0083**	**.0108**	**.0026**	**.0098**	**.0068**	**.2049**	**5.186**
Stddev	.0001	.0002	.0006	.0003	.0005	.0004	.0001	.0022	.007
%RSD	.2510	.7549	7.014	2.690	20.98	4.185	1.958	1.057	.1443
#1	.0554	.0217	.0079	.0110	.0022	.0095	.0067	.2065	5.181
#2	.0556	.0220	.0088	.0106	.0029	.0101	.0069	.2034	5.191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1088**	**5.322**	**5.069**	**5.096**	**.1015**	**.0210**	**.0529**	**.2149**	**.0104**
Stddev	.0025	.011	.011	.001	.0008	.0001	.0006	.0013	.0004
%RSD	2.275	.2070	.2192	.0094	.7950	.3121	1.155	.6217	3.920
#1	.1070	5.314	5.061	5.096	.1010	.0209	.0534	.2140	.0101
#2	.1105	5.329	5.077	5.095	.1021	.0210	.0525	.2159	.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: 6/2/2014 12:35:56 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0108**	**.0531**	**.0109**	**.0498**	**.0214**	**.0228**
Stddev	.0000	.0000	.0004	.0001	.0002	.0006	.0002
%RSD	.3572	.3464	.8389	1.171	.4860	2.681	1.005
#1	.0107	.0108	.0528	.0110	.0496	.0210	.0229
#2	.0107	.0109	.0534	.0108	.0500	.0218	.0226
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	**169410.**	**34359.**	**2319.8**	**6386.0**
Stddev	458.	5.	7.2	21.3
%RSD	.27037	.01589	.30833	.33319
#1	169090.	34363.	2324.9	6401.0
#2	169740.	34355.	2314.7	6370.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/2/2014 12:41:56 Type: QC
Method: Accutest1(v88) 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	**.0038**	**.0010**	**.0011**	**.0033**	**.0020**	W **.0015**	**.0033**	**.0043**
Stddev	.0002	.0000	.0001	.0002	.0001	.0001	.0000	.0001
%RSD	4.461	.7737	5.544	5.800	5.201	5.805	.8955	1.273
#1	.0037	.0010	.0011	.0032	.0019	.0014	.0033	.0043
#2	.0039	.0010	.0012	.0034	.0021	.0015	.0032	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value						.0020		
Range						-20.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0021**	F **.0138**	**.0032**	**.0023**	**.0025**	**.0055**	W **.0037**
Stddev	.0001	.0002	.0001	.0007	.0004	.0008	.0003	.0002
%RSD	5.166	8.715	.7268	22.75	17.37	31.50	4.798	5.439
#1	.0011	.0022	.0138	.0037	.0020	.0020	.0054	.0038
#2	.0012	.0020	.0139	.0027	.0026	.0031	.0057	.0035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value			.0100					.0030
Range			30.00%					20.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0990**	**1.046**	**-.0005**	**.1051**	**2.038**	**1.036**	**.0099**	**-.0005**
Stddev	.0048	.001	.0000	.0160	.017	.007	.0006	.0001
%RSD	4.884	.0513	6.315	15.24	.8238	.6857	5.868	19.79
#1	.0956	1.045	-.0004	.0937	2.026	1.042	.0094	-.0006
#2	.1024	1.046	-.0005	.1164	2.050	1.031	.0103	-.0005
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: 6/2/2014 12:41:56 Type: QC
Method: Accutest1(v88) 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**	**.0001**	**.0000**	**.0001**	F **-.0104**	F **-.0005**	F **.0012**
Stddev	.0003	.0007	.0003	.0000	.0000	.0006	.0001	.0019
%RSD	165.3	104.4	187.0	16.33	25.08	6.060	25.11	162.1
#1	.0003	-.0011	.0000	.0000	.0001	-.0109	-.0006	-.0002
#2	.0000	-.0002	.0003	.0000	.0000	-.0100	-.0004	.0026
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 **.0009**
Stddev	.0008	.0006
%RSD	585.3	70.68
#1	.0007	.0005
#2	-.0004	.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	**170890.**	**34624.**	**2330.9**	**6438.1**
Stddev	282.	128.	2.2	3.1
%RSD	.16478	.37008	.09460	.04831
#1	170690.	34533.	2332.5	6440.3
#2	171090.	34715.	2329.4	6435.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 12:48:01 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**-.0001**	**.0000**	**-.0001**	**-.0007**	**.0000**	**.0005**	**-.0001**
Stddev	.0000	.0000	.0001	.0001	.0004	.0001	.0000	.0001	.0000
%RSD	5.469	33.34	62.47	526.2	507.9	9.988	324.3	22.55	10.13
#1	-.0001	.0000	-.0001	.0000	-.0003	-.0007	.0000	.0004	-.0001
#2	-.0001	-.0001	-.0001	.0001	.0002	-.0006	.0000	.0005	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0007**	**.0210**	**-.0009**	**.0203**	**.0213**	**.0200**	**.4958**	**.0054**
Stddev	.0001	.0001	.0009	.0005	.0005	.0008	.0005	.0039	.0013
%RSD	587.6	15.45	4.373	48.26	2.518	3.547	2.645	.7836	23.43
#1	-.0001	.0006	.0204	-.0013	.0206	.0208	.0196	.4930	.0063
#2	.0001	.0008	.0217	-.0006	.0199	.0218	.0204	.4985	.0045
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	**.5306**	**.0025**	**-.0079**	**.0084**	**-.0004**	**-.0007**	**.0007**	**-.0017**	**-.0002**
Stddev	.0046	.0157	.0027	.0002	.0002	.0002	.0003	.0005	.0008
%RSD	.8690	620.7	34.33	2.920	50.91	28.16	51.63	28.19	440.4
#1	.5274	-.0086	-.0098	.0083	-.0002	-.0008	.0009	-.0021	-.0007
#2	.5339	.0136	-.0060	.0086	-.0005	-.0005	.0004	-.0014	.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 12:48:01 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0127**	**-.0005**	**.0006**	**-.0003**	**.0023**
Stddev	.0000	.0001	.0005	.0001	.0018	.0001	.0003
%RSD	101.0	195.9	4.163	22.41	294.1	30.38	12.60
#1	.0000	.0000	-.0123	-.0005	.0019	-.0003	.0025
#2	.0001	.0001	-.0131	-.0006	-.0007	-.0004	.0021
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	**173460.**	**34783.**	**2352.6**	**6489.7**
Stddev	1081.	378.	5.1	9.8
%RSD	.62339	1.0854	.21803	.15130
#1	172690.	35050.	2356.2	6496.7
#2	174220.	34516.	2348.9	6482.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/2/2014 12:54:06 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0011**	**.0004**	**-.0014**	**.0076**	**-.0006**	**-.0010**	**.0039**
Stddev	.0001	.000	.0003	.0002	.0001	.0004	.0004	.0002	.0027
%RSD	21.30	62.67	23.00	61.29	7.200	4.888	63.03	19.51	69.71
#1	-.0005	.0000	-.0013	.0005	-.0013	.0079	-.0004	-.0009	.0058
#2	-.0004	-.0001	-.0009	.0002	-.0015	.0073	-.0009	-.0012	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**.0004**	**.0009**	**-.0035**	**.0062**	**.0077**	**515.8**	**395.5**
Stddev	.000	.0003	.0003	.0045	.0001	.0029	.0036	6.1	8.7
%RSD	1003.	148.9	57.13	501.8	1.544	47.45	46.17	1.187	2.200
#1	.0001	-.0005	.0006	.0041	-.0034	.0083	.0103	520.1	401.7
#2	-.0001	.0000	.0003	-.0023	-.0035	.0041	.0052	511.5	389.4
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	**199.0**	**563.0**	**.0888**	**.0377**	**-.0006**	**-.0053**	**.0145**	**.0128**	**.0007**
Stddev	5.4	14.8	.0122	.0008	.0015	.0001	.0007	.0004	.0004
%RSD	2.693	2.633	13.71	2.236	272.4	1.427	4.579	2.931	61.34
#1	202.8	573.4	.0802	.0371	.0005	-.0054	.0150	.0130	.0010
#2	195.2	552.5	.0974	.0383	-.0016	-.0053	.0141	.0125	.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: icsa Acquired: 6/2/2014 12:54:06 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0064**	**.0003**	**-.0026**	**-.0033**	**-.0784**	**.0029**	**.0026**
Stddev	.0000	.0006	.0026	.0004	.0035	.0001	.0004
%RSD	.6925	213.1	99.04	12.09	4.476	5.045	16.68
#1	-.0064	-.0001	-.0008	-.0030	-.0809	.0030	.0029
#2	-.0064	.0007	-.0044	-.0036	-.0760	.0028	.0023
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	**153620.**	**31149.**	**2069.2**	**5445.4**
Stddev	223.	650.	1.8	.4
%RSD	.14514	2.0883	.08861	.00686
#1	153460.	30689.	2067.9	5445.7
#2	153770.	31609.	2070.5	5445.2

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 13:00:20 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5154**	**.5159**	**1.011**	**.4770**	**.4661**	**.5321**	**.5030**	**.9646**	**1.029**
Stddev	.0020	.0019	.003	.0007	.0010	.0010	.0010	.0037	.001
%RSD	.3785	.3591	.3226	.1472	.2064	.1868	.1982	.3837	.0998
#1	.5168	.5172	1.009	.4765	.4654	.5328	.5023	.9620	1.030
#2	.5140	.5146	1.013	.4775	.4667	.5314	.5037	.9672	1.029
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	**.4817**	**.9550**	**1.056**	**.9567**	**.9472**	**1.072**	**1.017**	**514.8**	**392.8**
Stddev	.0002	.0050	.002	.0050	.0035	.004	.001	1.0	3.0
%RSD	.0510	.5189	.1691	.5236	.3678	.3558	.1176	.1979	.7740
#1	.4815	.9515	1.055	.9531	.9447	1.069	1.016	515.6	395.0
#2	.4819	.9585	1.058	.9602	.9497	1.075	1.017	514.1	390.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**196.5**	**573.5**	**.0811**	**.0398**	**.0057**	**.4895**	**.5413**	**.0039**	**-.0008**
Stddev	.7	2.4	.0135	.0026	.0006	.0013	.0006	.0002	.0008
%RSD	.3570	.4103	16.69	6.403	10.80	.2742	.1069	4.962	101.6
#1	197.0	575.1	.0906	.0380	.0061	.4885	.5409	.0038	-.0002
#2	196.0	571.8	.0715	.0416	.0052	.4904	.5417	.0041	-.0013
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 13:00:20 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0063**	**.0002**	**.5524**	**.5884**	**.4351**	**.5564**	**.5584**
Stddev	.0001	.0004	.0063	.0015	.0034	.0041	.0007
%RSD	1.846	274.9	1.142	.2577	.7837	.7435	.1292
#1	-.0064	-.0001	.5479	.5873	.4375	.5535	.5589
#2	-.0062	.0005	.5569	.5894	.4327	.5593	.5579
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	**153260.**	**31018.**	**2054.4**	**5422.3**
Stddev	39.	54.	5.9	14.1
%RSD	.02573	.17307	.28902	.26002
#1	153290.	30980.	2058.6	5432.3
#2	153230.	31055.	2050.2	5412.3

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/2/2014 13:06:27 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**-.0024**	**.0006**	**-.0015**	**.0082**	**.0007**	**-.0007**	**.0057**
Stddev	.0001	.000	.0001	.0001	.0002	.0001	.0001	.0001	.0002
%RSD	723.6	111.1	2.938	14.26	12.71	1.729	16.54	19.38	3.181
#1	.0001	.0000	-.0025	.0006	-.0016	.0083	.0008	-.0008	.0059
#2	-.0001	.0000	-.0024	.0007	-.0013	.0081	.0007	-.0006	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0054**	**-.0002**	**.0021**	**.0004**	**-.0010**	**.0072**	**.0444**	**.0269**
Stddev	.0000	.0001	.0002	.0006	.0007	.0005	.0002	.0058	.0093
%RSD	17.20	1.863	69.73	26.03	154.7	48.73	3.280	12.96	34.66
#1	.0000	.0053	-.0004	.0025	.0009	-.0007	.0073	.0485	.0335
#2	.0001	.0055	-.0001	.0017	.0000	-.0014	.0070	.0403	.0203

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**207.6**	**.0326**	**.0776**	**.0128**	**-.0024**	**-.0006**	**.0164**	**-.0275**	**-.0020**
Stddev	1.2	.0058	.0024	.0036	.0000	.0000	.0002	.0008	.0005
%RSD	.5584	17.91	3.091	27.93	1.350	.1508	1.368	2.776	25.68
#1	208.4	.0368	.0793	.0103	-.0024	-.0006	.0165	-.0269	-.0016
#2	206.8	.0285	.0759	.0154	-.0025	-.0006	.0162	-.0280	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**-.0060**	**-.0017**	**-.0037**	**.0064**	**.0008**
Stddev	.000	.0002	.0008	.0003	.0012	.0007	.0008
%RSD	166.0	76.88	13.81	15.11	31.79	11.45	99.62
#1	.0000	-.0001	-.0054	-.0015	-.0029	.0059	.0013
#2	.0000	-.0003	-.0066	-.0019	-.0046	.0069	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169000.**	**33686.**	**2310.1**	**6516.1**
Stddev	124.	50.	8.6	27.3
%RSD	.07332	.14881	.37440	.41839
#1	169090.	33651.	2304.0	6496.9
#2	168910.	33722.	2316.2	6535.4

Sample Name: crconf Acquired: 6/2/2014 13:12:33 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**-.0003**	**-.0010**	**10.86**	**-.0008**	**.0000**	**-.0003**	**-.0002**
Stddev	.0001	.0000	.0001	.0004	.02	.0000	.0000	.0001	.0000
%RSD	15.16	77.16	34.72	36.86	.2169	2.132	292.7	53.79	10.31
#1	.0003	.0000	-.0002	-.0012	10.88	-.0008	.0000	-.0004	-.0002
#2	.0004	.0000	-.0003	-.0007	10.85	-.0008	.0000	-.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0033**	**.0068**	**.0020**	**-.0011**	**-.0004**	**-.0010**	**.0023**	**.0039**	**-.0153**
Stddev	.0000	.0000	.0004	.0005	.0003	.0012	.0007	.0038	.0016
%RSD	.4653	.3533	18.52	47.12	86.79	111.9	30.08	96.54	10.36
#1	-.0033	.0068	.0017	-.0007	-.0001	-.0002	.0027	.0065	-.0142
#2	-.0033	.0067	.0022	-.0014	-.0006	-.0019	.0018	.0012	-.0164

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0259**	**.0025**	**-.0027**	**.0119**	**-.0013**	**.0000**	**-.0009**	**-.0162**	**-.0011**
Stddev	.0013	.0014	.0013	.0001	.0003	.0001	.0001	.0008	.0000
%RSD	5.149	58.56	47.03	.4383	21.41	136.5	10.56	5.168	1.607
#1	.0269	.0014	-.0035	.0120	-.0011	.0001	-.0008	-.0168	-.0011
#2	.0250	.0035	-.0018	.0119	-.0015	.0000	-.0009	-.0156	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0156**	**-.0069**	**.0035**	**.0008**	**.0023**
Stddev	.0000	.0001	.0005	.0001	.0015	.0001	.0000
%RSD	15.61	64.17	3.067	1.830	42.74	14.20	.1107
#1	.0001	.0003	-.0153	-.0069	.0045	.0007	.0023
#2	.0001	.0001	-.0159	-.0068	.0024	.0008	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170980.**	**34170.**	**2314.0**	**6491.7**
Stddev	87.	72.	.9	6.1
%RSD	.05099	.20973	.03747	.09392
#1	170920.	34120.	2314.6	6487.4
#2	171040.	34221.	2313.4	6496.1

Sample Name: ccv Acquired: 6/2/2014 13:18:36 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.987**	**2.043**	**2.000**	**1.995**	**2.013**	**1.948**	**2.106**	**2.036**	**.2416**
Stddev	.000	.004	.009	.009	.005	.003	.007	.011	.0005
%RSD	.0177	.1954	.4463	.4303	.2682	.1444	.3129	.5362	.2229
#1	1.987	2.040	1.994	1.989	2.010	1.950	2.102	2.028	.2420
#2	1.986	2.046	2.006	2.001	2.017	1.946	2.111	2.044	.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	**2.087**	**2.043**	**1.993**	**2.058**	**2.033**	**1.986**	**1.977**	**39.18**	**39.94**
Stddev	.005	.011	.007	.005	.008	.005	.012	.01	.08
%RSD	.2580	.5127	.3358	.2531	.3834	.2461	.5800	.0310	.2027
#1	2.084	2.036	1.988	2.055	2.027	1.982	1.969	39.19	39.88
#2	2.091	2.051	1.998	2.062	2.038	1.989	1.985	39.17	39.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.20**	**40.03**	**39.39**	**39.88**	**1.957**	**2.023**	**1.914**	**4.957**	**2.032**
Stddev	.05	.07	.00	.00	.009	.009	.002	.014	.011
%RSD	.1263	.1802	.0009	.0070	.4702	.4527	.1200	.2806	.5413
#1	40.16	39.97	39.39	39.88	1.951	2.017	1.916	4.947	2.024
#2	40.23	40.08	39.39	39.88	1.964	2.030	1.912	4.967	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: ccv Acquired: 6/2/2014 13:18:36 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.022**	**1.956**	**1.996**	**1.964**	**1.987**	**1.984**
Stddev	.000	.004	.016	.005	.011	.006	.001
%RSD	.0011	.2229	.7902	.2526	.5739	.3148	.0464
#1	2.045	2.019	1.945	1.993	1.956	1.982	1.983
#2	2.045	2.026	1.967	2.000	1.972	1.991	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**165790.**	**33258.**	**2256.0**	**6131.9**
Stddev	340.	25.	7.5	22.1
%RSD	.20501	.07431	.33056	.36008
#1	166030.	33275.	2261.3	6147.5
#2	165550.	33240.	2250.7	6116.3

Sample Name: ccb Acquired: 6/2/2014 13:24:26 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0000**	**-.0009**	**.0002**	**.0000**	**-.0004**
Stddev	.000	.0000	.000	.0000	.0002	.0003	.0001	.0001	.0000
%RSD	631.4	13.84	172.9	39.45	411.5	30.09	54.78	462.9	9.778
#1	.0000	.0002	.0000	.0002	-.0001	-.0007	.0003	.0001	-.0004
#2	.0000	.0001	.0000	.0001	.0002	-.0011	.0001	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0003**	**.0000**	**-.0002**	**-.0012**	**.0009**	**-.0048**	**-.0028**
Stddev	.0000	.0001	.0004	.000	.0003	.0004	.0001	.0012	.0004
%RSD	14.72	36.33	121.7	5301.	127.8	36.62	14.87	25.97	14.71
#1	.0002	.0002	.0000	-.0002	.0000	-.0009	.0010	-.0039	-.0031
#2	.0001	.0001	.0006	.0002	-.0004	-.0015	.0008	-.0057	-.0025
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**	**.0006**	**.0131**	**.0096**	**-.0002**	**-.0001**	**-.0002**	**-.0007**	**.0003**
Stddev	.0000	.0052	.0076	.0040	.0002	.0002	.0002	.0002	.0003
%RSD	1.510	823.7	57.53	42.25	136.6	296.7	107.4	30.22	103.4
#1	.0026	-.0030	.0078	.0067	.0000	.0001	.0000	-.0005	.0005
#2	.0026	.0043	.0185	.0124	-.0004	-.0002	-.0003	-.0008	.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: 6/2/2014 13:24:26 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0080**	**-.0002**	**-.0016**	**-.0010**	**.0022**
Stddev	.0000	.0002	.0013	.0001	.0017	.0002	.0001
%RSD	1.968	200.6	16.53	27.23	100.7	15.92	3.192
#1	.0002	.0002	-.0070	-.0003	-.0005	-.0009	.0022
#2	.0003	.0000	-.0089	-.0002	-.0028	-.0011	.0021
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	**172400.**	**34025.**	**2354.3**	**6503.2**
Stddev	4262.	111.	1.6	4.4
%RSD	2.4720	.32541	.07000	.06764
#1	169390.	33947.	2353.2	6500.1
#2	175410.	34103.	2355.5	6506.3

Zoom In Zoom Out

Sample Name: mp79668-mb2 5 Acquired: 6/2/2014 13:30:31 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: dod for fe only

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**.0000**	**.0007**	**-.0005**	**.0002**	**.0004**	**.0001**
Stddev	.0002	.000	.0001	.0000	.0003	.0000	.0000	.0000	.0001
%RSD	66.74	169.9	2686.	35.06	41.36	7.200	9.114	3.507	116.1
#1	.0003	.0000	.0001	.0000	.0005	-.0005	.0003	.0004	.0000
#2	.0001	.0000	-.0001	.0000	.0010	-.0006	.0002	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0036**	**-.0003**	**.0007**	**-.0006**	**-.0007**	**.0005**	**.0058**	**.0659**
Stddev	.0001	.0000	.0005	.0002	.0003	.0007	.0000	.0071	.0008
%RSD	50.01	.6813	171.2	25.40	59.52	101.6	2.727	121.2	1.265
#1	.0003	.0036	.0001	.0006	-.0003	-.0012	.0005	.0108	.0665
#2	.0001	.0036	-.0006	.0009	-.0008	-.0002	.0005	.0008	.0653

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0196**	**.0180**	**.0202**	**.0271**	**-.0010**	**-.0006**	**.0001**	**.0129**	**.0196**
Stddev	.0002	.0056	.0011	.0011	.0002	.0000	.0004	.0002	.0000
%RSD	.9919	31.25	5.672	4.189	22.41	4.504	327.4	1.242	.2024
#1	.0194	.0220	.0210	.0279	-.0009	-.0006	-.0001	.0130	.0195
#2	.0197	.0140	.0194	.0263	-.0012	-.0007	.0004	.0128	.0196

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0007**	**-.0137**	**-.0004**	**.0018**	**-.0005**	**.0011**
Stddev	.0000	.0004	.0008	.0000	.0013	.0000	.0000
%RSD	7.470	54.13	6.195	5.684	71.42	3.891	3.759
#1	.0002	.0004	-.0143	-.0004	.0027	-.0005	.0010
#2	.0002	.0009	-.0131	-.0004	.0009	-.0005	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171210.**	**34415.**	**2312.0**	**6435.2**
Stddev	276.	98.	13.1	34.7
%RSD	.16147	.28448	.56836	.53995
#1	171010.	34484.	2321.2	6459.8
#2	171400.	34345.	2302.7	6410.6

Zoom In Zoom Out

Sample Name: mp79668-b2 Acquired: 6/2/2014 13:36:34 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.762**	**.0981**	**.0889**	**.9257**	**.3885**	**.4511**	**1.002**	**.9632**	**.0971**
Stddev	.005	.0000	.0001	.0010	.0008	.0014	.002	.0003	.0003
%RSD	.1235	.0463	.1615	.1043	.2150	.3038	.2005	.0274	.3284
#1	3.759	.0981	.0888	.9250	.3891	.4502	1.003	.9631	.0969
#2	3.765	.0981	.0890	.9264	.3879	.4521	1.000	.9634	.0973

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9469**	**1.039**	**3.712**	**3.805**	**.9387**	**3.867**	**.9106**	**49.67**	**11.63**
Stddev	.0014	.001	.000	.020	.0006	.006	.0005	.00	.07
%RSD	.1438	.0970	.0102	.5251	.0667	.1631	.0598	.0077	.6011
#1	.9479	1.038	3.712	3.819	.9383	3.862	.9103	49.66	11.68
#2	.9460	1.039	3.712	3.791	.9392	3.871	.9110	49.67	11.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**49.57**	**11.88**	**11.76**	**11.79**	**-.0010**	**.0010**	**.0085**	**.0021**	**.0163**
Stddev	.11	.09	.01	.03	.0002	.0002	.0013	.0000	.0000
%RSD	.2243	.7838	.1194	.2801	24.54	19.10	15.14	2.033	.2285
#1	49.65	11.95	11.75	11.76	-.0008	.0008	.0095	.0021	.0162
#2	49.50	11.82	11.77	11.81	-.0012	.0011	.0076	.0022	.0163

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0025**	**-.0070**	**-.0023**	**-.0047**	**-.0049**	**.0006**
Stddev	.0001	.0002	.0002	.0002	.0020	.0005	.0004
%RSD	341.9	8.836	2.930	7.257	42.77	10.73	74.32
#1	.0001	.0027	-.0068	-.0022	-.0033	-.0046	.0009
#2	.0000	.0023	-.0071	-.0024	-.0062	-.0053	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169520.**	**33659.**	**2298.2**	**6345.8**
Stddev	135.	110.	3.3	6.1
%RSD	.07954	.32770	.14227	.09617
#1	169620.	33581.	2300.5	6350.1
#2	169430.	33737.	2295.8	6341.4

Zoom In Zoom Out

Sample Name: mp79668-s1 Acquired: 6/2/2014 13:42:27 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.745**	**.1041**	**.0989**	**1.029**	**.4766**	**.7757**	**2.626**	**1.337**	**.1026**
Stddev	.161	.0033	.0002	.002	.0006	.0009	.004	.004	.0034
%RSD	3.386	3.131	.2510	.2118	.1279	.1198	.1447	.3249	3.278
#1	4.631	.1018	.0987	1.031	.4770	.7750	2.629	1.340	.1003
#2	4.859	.1064	.0990	1.028	.4762	.7763	2.623	1.334	.1050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.192**	**2.152**	**4.015**	**3.778**	**1.048**	**3.989**	**.4306**	**126.0**	**201.0**
Stddev	.001	.008	.003	.015	.005	.005	.0009	4.0	3.1
%RSD	.0478	.3714	.0759	.3847	.4348	.1258	.2105	3.197	1.519
#1	1.192	2.158	4.017	3.789	1.051	3.993	.4299	123.1	198.8
#2	1.191	2.147	4.013	3.768	1.045	3.986	.4312	128.8	203.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**279.1**	**94.43**	**32.75**	**14.18**	**.1124**	**.2031**	**.0229**	**6.369**	**.0159**
Stddev	7.3	2.80	1.06	.47	.0010	.0001	.0002	.010	.0007
%RSD	2.627	2.969	3.250	3.285	.9164	.0295	.8896	.1560	4.233
#1	273.9	92.45	32.00	13.85	.1116	.2032	.0227	6.376	.0164
#2	284.3	96.41	33.50	14.51	.1131	.2031	.0230	6.362	.0155

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2278**	**.7040**	**.0112**	**.1261**	**5.649**	**-.0029**	**.0921**
Stddev	.0076	.0023	.0008	.0003	.004	.0002	.0030
%RSD	3.346	.3313	7.604	.2523	.0721	5.832	3.300
#1	.2224	.7057	.0106	.1259	5.652	-.0030	.0899
#2	.2332	.7024	.0118	.1264	5.647	-.0028	.0942

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168610.**	**34090.**	**2236.1**	**5973.0**
Stddev	238.	903.	2.5	4.0
%RSD	.14105	2.6489	.11216	.06646
#1	168770.	34729.	2237.9	5970.2
#2	168440.	33452.	2234.4	5975.8

Zoom In Zoom Out

Sample Name: mp79668-s2 Acquired: 6/2/2014 13:48:28 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.180**	**.1024**	**.0983**	**1.037**	**.4675**	**.7609**	**3.743**	**1.316**	**.1011**
Stddev	.202	.0040	.0007	.007	.0003	.0020	.027	.009	.0034
%RSD	3.890	3.919	.7090	.7222	.0559	.2642	.7115	.6824	3.374
#1	5.323	.1052	.0978	1.032	.4677	.7623	3.724	1.310	.1036
#2	5.038	.0996	.0988	1.042	.4673	.7594	3.761	1.323	.0987

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.174**	**2.137**	**3.969**	**3.700**	**1.030**	**3.956**	**.4166**	**122.5**	**232.1**
Stddev	.001	.013	.018	.024	.008	.015	.0011	4.9	9.8
%RSD	.0572	.6191	.4601	.6524	.7469	.3766	.2576	4.014	4.238
#1	1.173	2.128	3.957	3.683	1.024	3.946	.4159	126.0	239.0
#2	1.174	2.146	3.982	3.717	1.035	3.967	.4174	119.0	225.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**285.5**	**99.75**	**31.59**	**13.99**	**.1108**	**.2167**	**.0235**	**5.811**	**.0156**
Stddev	9.0	3.83	1.19	.50	.0011	.0010	.0010	.014	.0007
%RSD	3.156	3.842	3.769	3.576	.9703	.4600	4.425	.2365	4.516
#1	291.9	102.5	32.44	14.34	.1100	.2160	.0242	5.801	.0151
#2	279.2	97.04	30.75	13.63	.1115	.2174	.0228	5.820	.0161

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2659**	**.6856**	**.0111**	**.1211**	**5.134**	**-.0022**	**.0911**
Stddev	.0106	.0017	.0010	.0006	.021	.0004	.0037
%RSD	3.984	.2438	8.609	.4910	.4183	17.24	4.066
#1	.2734	.6845	.0104	.1215	5.119	-.0019	.0937
#2	.2584	.6868	.0118	.1207	5.149	-.0025	.0885

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168210.**	**34217.**	**2217.2**	**5946.1**
Stddev	161.	1111.	5.9	29.6
%RSD	.09552	3.2474	.26709	.49835
#1	168100.	33432.	2221.4	5967.0
#2	168320.	35003.	2213.0	5925.1

Zoom In Zoom Out

Sample Name: jb67344-3 Acquired: 6/2/2014 13:54:36 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9578**	**.0042**	**.0057**	**.0886**	**.0877**	**.2669**	**1.707**	**.3481**	**.0049**
Stddev	.0013	.0000	.0001	.0001	.0004	.0008	.003	.0000	.0004
%RSD	.1327	.3510	.9764	.1280	.4380	.3051	.1634	.0046	8.804
#1	.9587	.0042	.0057	.0887	.0874	.2664	1.705	.3481	.0046
#2	.9569	.0042	.0058	.0885	.0880	.2675	1.709	.3480	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2400**	**1.076**	**.2031**	**.0085**	**.1053**	**.0232**	**.0120**	**60.21**	**187.9**
Stddev	.0003	.002	.0008	.0008	.0002	.0001	.0001	.06	.4
%RSD	.1316	.1743	.3779	9.215	.2326	.5936	.5789	.1033	.2168
#1	.2398	1.075	.2036	.0091	.1055	.0231	.0121	60.26	188.2
#2	.2402	1.078	.2025	.0080	.1051	.0233	.0120	60.17	187.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**223.5**	**81.30**	**17.55**	**1.413**	**.0861**	**.1912**	**.0154**	**5.034**	**.0156**
Stddev	.1	.27	.06	.001	.0004	.0000	.0003	.017	.0005
%RSD	.0499	.3366	.3610	.0829	.4873	.0079	2.215	.3350	2.885
#1	223.5	81.49	17.59	1.414	.0858	.1912	.0152	5.046	.0153
#2	223.6	81.10	17.50	1.412	.0864	.1912	.0156	5.022	.0160

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2003**	**.5895**	**-.0020**	**.1054**	**6.975**	**.0021**	**.0818**
Stddev	.0000	.0018	.0001	.0005	.008	.0008	.0009
%RSD	.0097	.3103	6.924	.4573	.1117	36.86	1.067
#1	.2003	.5883	-.0019	.1051	6.980	.0015	.0824
#2	.2004	.5908	-.0021	.1058	6.969	.0026	.0812

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169300.**	**33766.**	**2255.1**	**6029.2**
Stddev	35.	82.	.6	8.0
%RSD	.02070	.24207	.02678	.13350
#1	169280.	33708.	2254.7	6034.9
#2	169330.	33824.	2255.6	6023.5

Zoom In Zoom Out

Sample Name: mp79668-sd1 Acquired: 6/2/2014 14:00:41 Type: Unk
Method: Accutest1(v88) 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	**.9855**	**.0042**	**.0049**	**.0915**	**.0957**	**.2659**	**1.932**	**.3672**	**.0087**
Stddev	.0013	.0002	.0006	.0015	.0013	.0007	.005	.0003	.0010
%RSD	.1356	3.757	11.57	1.627	1.320	.2766	.2455	.0823	11.56
#1	.9865	.0043	.0045	.0905	.0965	.2664	1.935	.3674	.0094
#2	.9846	.0041	.0053	.0926	.0948	.2654	1.929	.3670	.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2627**	**1.201**	**.2135**	**.0151**	**.1143**	**.0317**	**.0127**	**62.98**	**205.0**
Stddev	.0000	.003	.0022	.0037	.0017	.0051	.0006	.05	.6
%RSD	.0129	.2627	1.040	24.60	1.482	15.95	4.858	.0835	.2879
#1	.2627	1.199	.2119	.0177	.1155	.0353	.0132	62.94	204.6
#2	.2627	1.203	.2150	.0125	.1131	.0281	.0123	63.02	205.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**250.8**	**86.64**	**18.15**	**1.480**	**.0787**	**.1980**	**.0188**	**5.170**	**.0141**
Stddev	.4	.02	.05	.008	.0029	.0004	.0005	.017	.0032
%RSD	.1611	.0210	.2605	.5636	3.700	.1817	2.625	.3194	22.86
#1	250.5	86.63	18.11	1.474	.0767	.1978	.0185	5.158	.0118
#2	251.1	86.65	18.18	1.486	.0808	.1983	.0192	5.182	.0164

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2129**	**.6549**	**-.0681**	**.1131**	**7.105**	**.0013**	**.0843**
Stddev	.0005	.0000	.0010	.0009	.037	.0044	.0012
%RSD	.2393	.0041	1.479	.8128	.5183	341.2	1.453
#1	.2132	.6550	-.0688	.1138	7.079	.0044	.0835
#2	.2125	.6549	-.0674	.1125	7.131	-.0018	.0852

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167470.**	**33037.**	**2326.0**	**6364.2**
Stddev	74.	44.	9.4	17.1
%RSD	.04437	.13303	.40616	.26822
#1	167520.	33006.	2332.7	6376.3
#2	167420.	33068.	2319.3	6352.2

Zoom In Zoom Out

Sample Name: mp79668-ps1 Acquired: 6/2/2014 14:06:35 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.735**	**.1023**	**.1104**	**.5817**	**.5695**	**.7800**	**2.069**	**.8068**	**.1001**
Stddev	.034	.0003	.0017	.0101	.0203	.0251	.073	.0150	.0012
%RSD	.5929	.2515	1.573	1.735	3.568	3.218	3.531	1.860	1.230
#1	5.711	.1025	.1091	.5745	.5838	.7977	2.121	.7962	.1010
#2	5.759	.1021	.1116	.5888	.5551	.7622	2.018	.8174	.0992

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.7191**	**1.465**	**.6949**	**.1075**	**.5872**	**.5611**	**.5106**	**60.23**	**260.1**
Stddev	.0248	.026	.0120	.0006	.0081	.0068	.0087	.24	.4
%RSD	3.454	1.769	1.721	.5193	1.374	1.209	1.708	.3954	.1682
#1	.7367	1.446	.6864	.1072	.5815	.5563	.5044	60.40	260.4
#2	.7016	1.483	.7033	.1079	.5929	.5659	.5167	60.06	259.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**207.2**	**178.1**	**118.7**	**102.1**	**1.052**	**.6705**	**.0152**	**4.696**	**.4842**
Stddev	.2	.1	.3	.0	.022	.0131	.0004	.065	.0080
%RSD	.1147	.0421	.2270	.0083	2.057	1.953	2.962	1.382	1.660
#1	207.0	178.2	118.9	102.1	1.037	.6612	.0149	4.650	.4785
#2	207.3	178.1	118.5	102.1	1.068	.6797	.0155	4.742	.4898

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6814**	**1.047**	**.0014**	**.0954**	**6.516**	**-.0011**	**.0762**
Stddev	.0027	.038	.0010	.0035	.137	.0006	.0007
%RSD	.4007	3.660	73.32	3.712	2.102	56.39	.9055
#1	.6833	1.074	.0007	.0979	6.419	-.0007	.0758
#2	.6794	1.020	.0021	.0929	6.613	-.0015	.0767

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159830.**	**33560.**	**2170.0**	**5717.1**
Stddev	4853.	26.	32.3	80.3
%RSD	3.0361	.07831	1.4878	1.4054
#1	156400.	33542.	2192.8	5773.9
#2	163270.	33579.	2147.2	5660.3

Zoom In Zoom Out

Sample Name: jb67344-1 Acquired: 6/2/2014 14:12:46 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6913**	**.0046**	**.0027**	**.0938**	**.1065**	**.1946**	**3.172**	**.2625**	**.0017**
Stddev	.0001	.0000	.0000	.0002	.0005	.0005	.004	.0005	.0004
%RSD	.0114	.8815	.8988	.1613	.4935	.2582	.1398	.1780	20.81
#1	.6913	.0046	.0027	.0937	.1062	.1950	3.175	.2628	.0019
#2	.6912	.0045	.0027	.0940	.1069	.1943	3.169	.2622	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2127**	**.7430**	**.1239**	**.0067**	**.0984**	**.0080**	**.0080**	**77.28**	**400.9**
Stddev	.0008	.0014	.0012	.0014	.0016	.0027	.0012	.08	2.6
%RSD	.3789	.1852	.9295	20.19	1.657	33.45	15.38	.0992	.6509
#1	.2121	.7420	.1231	.0077	.0973	.0061	.0089	77.33	402.7
#2	.2132	.7439	.1247	.0058	.0996	.0099	.0072	77.23	399.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**195.7**	**146.6**	**20.65**	**1.999**	**.1009**	**.0949**	**.0134**	**3.754**	**.0143**
Stddev	.7	.2	.03	.004	.0001	.0004	.0003	.002	.0006
%RSD	.3361	.1579	.1446	.2271	.0659	.4294	2.564	.0438	3.947
#1	196.2	146.8	20.67	1.995	.1008	.0946	.0132	3.753	.0139
#2	195.3	146.5	20.63	2.002	.1009	.0951	.0136	3.755	.0147

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4360**	**.6906**	**-.0032**	**.0939**	**2.973**	**.0005**	**.1265**
Stddev	.0002	.0010	.0002	.0001	.000	.0001	.0003
%RSD	.0549	.1393	5.125	.1442	.0150	15.40	.2424
#1	.4358	.6899	-.0033	.0938	2.973	.0004	.1263
#2	.4362	.6912	-.0031	.0940	2.972	.0005	.1267

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163600.**	**32866.**	**2162.9**	**5698.2**
Stddev	84.	45.	.6	2.8
%RSD	.05134	.13754	.02722	.04932
#1	163540.	32834.	2163.3	5696.2
#2	163660.	32898.	2162.4	5700.2

Zoom In Zoom Out

Sample Name: jb67344-2 Acquired: 6/2/2014 14:18:56 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8656**	**.0045**	**.0037**	**.0878**	**.0983**	**.2838**	**2.207**	**.3517**	**.0016**
Stddev	.0007	.0000	.0004	.0002	.0038	.0111	.087	.0008	.0033
%RSD	.0785	.4054	10.36	.2044	3.895	3.911	3.950	.2353	205.1
#1	.8661	.0045	.0040	.0876	.1011	.2917	2.268	.3511	-.0007
#2	.8652	.0045	.0034	.0879	.0956	.2760	2.145	.3523	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2299**	**1.092**	**.2112**	**.0099**	**.1225**	**.0047**	**.0127**	**67.32**	**158.5**
Stddev	.0091	.000	.0005	.0003	.0012	.0021	.0011	.04	.6
%RSD	3.978	.0005	.2219	3.212	.9848	45.39	8.317	.0649	.4095
#1	.2363	1.092	.2115	.0097	.1233	.0062	.0120	67.35	158.9
#2	.2234	1.093	.2108	.0102	.1216	.0032	.0135	67.28	158.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**232.3**	**79.10**	**16.15**	**2.167**	**.0821**	**.1903**	**.0147**	**4.171**	**.0148**
Stddev	.9	.06	.02	.003	.0001	.0000	.0004	.005	.0004
%RSD	.3778	.0727	.1306	.1371	.0723	.0196	2.940	.1193	2.953
#1	233.0	79.14	16.14	2.169	.0820	.1903	.0150	4.174	.0151
#2	231.7	79.06	16.17	2.165	.0821	.1903	.0143	4.167	.0145

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1584**	**.5867**	**-.0021**	**.1120**	**2.856**	**.0023**	**.0867**
Stddev	.0002	.0215	.0002	.0046	.006	.0008	.0003
%RSD	.1118	3.665	9.031	4.098	.2111	33.09	.3746
#1	.1586	.6019	-.0022	.1152	2.852	.0017	.0865
#2	.1583	.5715	-.0020	.1087	2.860	.0028	.0869

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164900.**	**33779.**	**2249.2**	**6030.6**
Stddev	5668.	95.	1.8	2.5
%RSD	3.4372	.27993	.07877	.04226
#1	160890.	33712.	2247.9	6028.8
#2	168900.	33846.	2250.4	6032.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 14:25:02 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.048**	**1.990**	**1.987**	**1.998**	**1.955**	**2.086**	**2.027**	**.2425**
Stddev	.008	.004	.002	.002	.011	.001	.011	.000	.0002
%RSD	.3865	.2022	.1216	.1059	.5424	.0230	.5250	.0119	.0905
#1	1.992	2.045	1.988	1.985	1.991	1.954	2.079	2.027	.2423
#2	2.003	2.051	1.991	1.988	2.006	1.955	2.094	2.027	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.089**	**2.032**	**1.987**	**2.054**	**2.026**	**1.983**	**1.972**	**39.02**	**39.92**
Stddev	.010	.001	.003	.000	.000	.005	.002	.08	.12
%RSD	.4615	.0409	.1400	.0115	.0053	.2582	.1015	.2119	.2990
#1	2.083	2.033	1.989	2.054	2.026	1.987	1.971	38.96	39.84
#2	2.096	2.032	1.985	2.054	2.026	1.979	1.974	39.08	40.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.30**	**40.04**	**39.46**	**40.00**	**1.945**	**2.023**	**1.907**	**4.951**	**2.029**
Stddev	.11	.11	.02	.09	.004	.002	.001	.006	.001
%RSD	.2804	.2824	.0413	.2326	.1995	.0805	.0320	.1164	.0649
#1	40.22	39.96	39.45	39.93	1.942	2.025	1.906	4.955	2.030
#2	40.38	40.12	39.47	40.06	1.947	2.022	1.907	4.947	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 14:25:02 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.005**	**1.954**	**1.974**	**1.975**	**1.989**	**2.005**
Stddev	.004	.009	.008	.008	.004	.002	.005
%RSD	.1849	.4426	.4030	.4184	.2147	.1013	.2508
#1	2.041	1.999	1.948	1.969	1.978	1.988	2.002
#2	2.047	2.011	1.959	1.980	1.972	1.990	2.009
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	**165840.**	**33023.**	**2251.8**	**6137.4**
Stddev	780.	49.	4.3	9.7
%RSD	.47056	.14789	.19223	.15781
#1	166390.	33058.	2248.7	6130.6
#2	165290.	32989.	2254.9	6144.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 14:30:53 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**-.0002**	**-.0009**	**.0001**	**.0000**	**-.0003**
Stddev	.000	.0000	.0000	.0001	.0002	.0002	.0000	.000	.0004
%RSD	287.2	59.42	71.21	87.92	98.65	21.41	1.178	204.0	109.9
#1	.0000	.0000	.0001	.0002	.0000	-.0007	.0001	.0000	-.0001
#2	.0000	.0001	.0000	.0000	-.0003	-.0010	.0001	.0000	-.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	**.0003**	**.0005**	**.0007**	**.0005**	**.0002**	**-.0012**	**.0006**	**-.0076**	**-.0026**
Stddev	.0001	.0001	.0007	.0002	.0006	.0005	.0008	.0042	.0021
%RSD	33.17	16.08	100.2	35.92	288.2	39.03	134.4	55.54	81.59
#1	.0003	.0004	.0012	.0004	-.0002	-.0009	.0011	-.0105	-.0011
#2	.0002	.0005	.0002	.0006	.0007	-.0016	.0000	-.0046	-.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	**.0033**	**.0050**	**.0192**	**.0132**	**-.0005**	**.0001**	**-.0003**	**.0021**	**-.0001**
Stddev	.0006	.0016	.0179	.0053	.0003	.0003	.0003	.0003	.0002
%RSD	17.76	32.98	93.47	40.42	62.10	232.6	88.71	12.75	141.8
#1	.0037	.0062	.0319	.0094	-.0003	.0004	-.0005	.0023	.0000
#2	.0029	.0038	.0065	.0170	-.0007	-.0001	-.0001	.0019	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 14:30:53 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0103**	**-.0004**	**-.0009**	**-.0003**	**.0018**
Stddev	.0001	.0000	.0001	.0001	.0001	.0012	.0004
%RSD	61.49	20.67	.7983	29.98	11.65	389.2	21.61
#1	.0002	.0002	-.0102	-.0003	-.0008	.0005	.0021
#2	.0001	.0002	-.0104	-.0005	-.0010	-.0011	.0015
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	**170860.**	**34170.**	**2345.6**	**6494.2**
Stddev	1266.	441.	12.9	38.3
%RSD	.74102	1.2912	.55170	.58936
#1	171760.	34482.	2336.4	6467.1
#2	169960.	33858.	2354.7	6521.3

Zoom In Zoom Out

Sample Name: mp79776-mb1 3 Acquired: 6/2/2014 14:36:57 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: check for ni

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0031**	**.0000**	**.0001**	**.0001**	**.0006**	**.0010**	**.0033**	**.0007**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0000	.0003	.0002
%RSD	2.406	213.3	51.76	26.87	21.11	8.710	1.175	37.92	226.0
#1	.0031	.0000	.0001	.0000	.0005	.0011	.0032	.0005	-.0002
#2	.0032	.0000	.0002	.0001	.0007	.0010	.0033	.0009	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0047**	**.0004**	**-.0004**	**.0098**	**.0010**	**.0011**	**.0119**	**.1379**
Stddev	.0000	.0000	.0004	.0005	.0000	.0004	.0001	.0039	.0017
%RSD	22.08	1.013	119.7	138.6	.2601	39.84	5.254	32.71	1.246
#1	.0002	.0047	.0007	.0000	.0098	.0012	.0011	.0147	.1367
#2	.0002	.0048	.0001	-.0007	.0098	.0007	.0011	.0092	.1391

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1711**	**.0206**	**.0244**	**.0812**	**.0006**	**-.0003**	**.0003**	**.2061**	**.0004**
Stddev	.0022	.0036	.0140	.0041	.0001	.0000	.0007	.0013	.0008
%RSD	1.276	17.25	57.44	5.028	18.82	6.336	253.9	.6527	232.6
#1	.1695	.0231	.0145	.0841	.0005	-.0003	-.0002	.2051	-.0002
#2	.1726	.0181	.0344	.0783	.0007	-.0003	.0008	.2070	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0072**	**.0003**	**-.0132**	**-.0005**	**.8700**	**-.0017**	**.0019**
Stddev	.0001	.0002	.0006	.0001	.0008	.0003	.0003
%RSD	1.422	45.52	4.467	25.65	.0973	14.88	13.73
#1	.0071	.0005	-.0136	-.0006	.8694	-.0016	.0020
#2	.0073	.0002	-.0128	-.0004	.8706	-.0019	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172080.**	**34996.**	**2325.2**	**6486.6**
Stddev	671.	599.	2.2	1.6
%RSD	.39009	1.7120	.09294	.02454
#1	171610.	35420.	2326.7	6485.5
#2	172560.	34573.	2323.6	6487.7

Zoom In Zoom Out

Sample Name: mp79743a-mb1 2 Acquired: 6/2/2014 14:42:58 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: check for sn

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**-.0001**	**.0000**	**.0000**	**.0004**	**.0002**	**.0006**	**.0039**	**-.0003**
Stddev	.0001	.0000	.000	.000	.0000	.0002	.0000	.0004	.0001
%RSD	17.11	5.324	110.2	525.3	11.46	77.58	6.767	9.858	24.29
#1	.0005	-.0001	.0000	.0001	.0004	.0003	.0006	.0037	-.0002
#2	.0004	-.0001	.0000	-.0002	.0003	.0001	.0006	.0042	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0038**	**-.0006**	**-.0005**	**.0011**	**-.0002**	**.0008**	**.0101**	**.0738**
Stddev	.0003	.0000	.0002	.0009	.0000	.0001	.0005	.0079	.0010
%RSD	260.7	.8615	37.23	199.6	3.070	72.50	62.44	78.02	1.352
#1	.0003	.0038	-.0007	.0002	.0011	-.0003	.0011	.0156	.0745
#2	-.0001	.0038	-.0004	-.0011	.0011	-.0001	.0004	.0045	.0731

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0357**	**.0273**	**.0217**	**.0397**	**-.0013**	**-.0005**	**.0003**	**.0225**	**.0153**
Stddev	.0004	.0078	.0182	.0007	.0001	.0001	.0002	.0003	.0006
%RSD	1.193	28.60	84.07	1.755	4.841	14.05	58.02	1.116	3.595
#1	.0360	.0328	.0088	.0402	-.0012	-.0005	.0004	.0223	.0157
#2	.0354	.0217	.0346	.0392	-.0013	-.0006	.0002	.0227	.0150

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0007**	**-.0145**	**-.0004**	**.0029**	**-.0019**	**.0022**
Stddev	.0000	.0001	.0001	.0001	.0005	.0001	.0003
%RSD	12.85	10.47	.8219	19.92	15.76	4.240	11.32
#1	.0002	.0007	-.0144	-.0003	.0032	-.0020	.0024
#2	.0002	.0008	-.0146	-.0004	.0026	-.0019	.0021

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171730.**	**34121.**	**2328.2**	**6466.7**
Stddev	213.	351.	8.9	19.5
%RSD	.12379	1.0301	.38217	.30185
#1	171880.	33873.	2334.5	6480.5
#2	171580.	34370.	2321.9	6452.9

Zoom In Zoom Out

Sample Name: mp79668-s1 5 Acquired: 6/2/2014 14:49:01 Type: Unk
Method: Accutest1(v88) 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	**4.942**	**.1116**	**.0974**	**1.055**	**.5181**	**.7326**	**2.928**	**1.399**	**.1151**
Stddev	.027	.0012	.0008	.007	.0065	.0039	.025	.009	.0006
%RSD	.5424	1.060	.8730	.6464	1.255	.5337	.8636	.6170	.5594
#1	4.960	.1125	.0968	1.050	.5227	.7353	2.946	1.393	.1155
#2	4.923	.1108	.0980	1.060	.5135	.7298	2.910	1.405	.1146

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.278**	**2.376**	**4.080**	**4.008**	**1.107**	**4.041**	**.4284**	**131.7**	**223.7**
Stddev	.010	.017	.024	.042	.009	.023	.0016	.8	2.6
%RSD	.7994	.7139	.5953	1.047	.8530	.5785	.3756	.5697	1.184
#1	1.285	2.364	4.062	3.979	1.100	4.024	.4296	132.3	225.6
#2	1.271	2.388	4.097	4.038	1.114	4.057	.4273	131.2	221.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**321.8**	**102.5**	**34.07**	**14.85**	**.1059**	**.2057**	**.0253**	**6.256**	**.0149**
Stddev	3.2	1.2	.11	.05	.0016	.0009	.0031	.011	.0005
%RSD	.9929	1.193	.3140	.3506	1.549	.4552	12.26	.1732	3.180
#1	324.1	103.3	34.15	14.89	.1048	.2064	.0275	6.248	.0145
#2	319.5	101.6	34.00	14.81	.1071	.2051	.0232	6.263	.0152

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2432**	**.7593**	**-.0540**	**.1329**	**5.695**	**-.0026**	**.1024**
Stddev	.0009	.0061	.0021	.0013	.027	.0054	.0015
%RSD	.3640	.7982	3.826	.9607	.4788	204.0	1.504
#1	.2439	.7636	-.0555	.1338	5.676	-.0064	.1035
#2	.2426	.7550	-.0526	.1320	5.714	.0012	.1013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169340.**	**33278.**	**2284.7**	**6239.2**
Stddev	400.	119.	26.6	70.3
%RSD	.23612	.35716	1.1633	1.1263
#1	169060.	33194.	2303.5	6288.8
#2	169620.	33362.	2265.9	6189.5

Zoom In Zoom Out

Sample Name: mp79668-s2 Acquired: 6/2/2014 14:54:52 Type: Unk
Method: Accutest1(v88) 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	**5.356**	**.1095**	**.0974**	**1.083**	**.5197**	**.7392**	**4.347**	**1.403**	**.1099**
Stddev	.026	.0006	.0004	.003	.0075	.0069	.048	.000	.0010
%RSD	.4905	.5056	.4132	.3028	1.436	.9331	1.114	.0041	.9320
#1	5.375	.1099	.0972	1.081	.5145	.7343	4.313	1.403	.1107
#2	5.338	.1091	.0977	1.086	.5250	.7441	4.381	1.403	.1092

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.290**	**2.399**	**4.095**	**4.007**	**1.099**	**4.074**	**.4279**	**127.3**	**253.9**
Stddev	.017	.003	.002	.003	.003	.001	.0008	.7	1.1
%RSD	1.316	.1087	.0528	.0744	.2767	.0138	.1785	.5658	.4486
#1	1.278	2.401	4.096	4.009	1.097	4.075	.4273	127.8	254.8
#2	1.302	2.397	4.093	4.005	1.101	4.074	.4284	126.7	253.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**325.7**	**107.4**	**32.78**	**14.53**	**.1052**	**.2229**	**.0304**	**5.878**	**.0158**
Stddev	1.7	.2	.13	.11	.0033	.0007	.0072	.010	.0018
%RSD	.5372	.1475	.4110	.7348	3.175	.3137	23.58	.1653	11.29
#1	326.9	107.6	32.87	14.60	.1075	.2234	.0253	5.885	.0170
#2	324.4	107.3	32.68	14.45	.1028	.2224	.0355	5.871	.0145

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2827**	**.7544**	**-.0528**	**.1307**	**5.257**	**-.0068**	**.0977**
Stddev	.0014	.0064	.0007	.0016	.012	.0028	.0006
%RSD	.4978	.8548	1.354	1.234	.2310	41.60	.6465
#1	.2837	.7498	-.0533	.1296	5.248	-.0048	.0973
#2	.2817	.7589	-.0523	.1319	5.265	-.0088	.0982

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168410.**	**33503.**	**2298.6**	**6303.6**
Stddev	1888.	136.	10.6	28.8
%RSD	1.1209	.40570	.46128	.45630
#1	169750.	33407.	2306.1	6324.0
#2	167080.	33599.	2291.1	6283.3

Zoom In Zoom Out

Sample Name: jb67344-3 Acquired: 6/2/2014 15:00:43 Type: Unk
Method: Accutest1(v88) 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	**1.023**	**.0044**	**.0059**	**.0966**	**.0989**	**.2770**	**1.954**	**.3818**	**.0055**
Stddev	.001	.0002	.0007	.0010	.0043	.0039	.043	.0048	.0023
%RSD	.0747	3.526	11.74	.9871	4.398	1.418	2.181	1.246	41.89
#1	1.023	.0043	.0064	.0972	.0958	.2742	1.924	.3851	.0072
#2	1.022	.0045	.0054	.0959	.1019	.2798	1.984	.3784	.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2715**	**1.250**	**.2238**	**.0148**	**.1184**	**.0226**	**.0125**	**63.89**	**210.0**
Stddev	.0068	.015	.0051	.0016	.0041	.0023	.0017	.20	.1
%RSD	2.513	1.220	2.291	11.02	3.467	10.31	13.72	.3194	.0373
#1	.2667	1.261	.2274	.0137	.1213	.0243	.0137	64.03	210.0
#2	.2763	1.239	.2201	.0160	.1154	.0210	.0112	63.75	210.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**257.6**	**88.67**	**18.47**	**1.541**	**.0844**	**.2080**	**.0204**	**5.681**	**.0180**
Stddev	.1	.26	.10	.012	.0052	.0027	.0020	.088	.0032
%RSD	.0521	.2975	.5357	.7626	6.130	1.307	10.01	1.541	17.73
#1	257.7	88.48	18.54	1.549	.0808	.2099	.0190	5.743	.0203
#2	257.5	88.85	18.40	1.532	.0881	.2061	.0219	5.619	.0158

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2182**	**.6691**	**-.0697**	**.1190**	**7.482**	**-.0018**	**.0910**
Stddev	.0001	.0131	.0022	.0026	.079	.0002	.0019
%RSD	.0411	1.952	3.101	2.144	1.056	10.34	2.121
#1	.2183	.6598	-.0681	.1172	7.538	-.0017	.0923
#2	.2182	.6783	-.0712	.1208	7.426	-.0019	.0896

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169980.**	**33886.**	**2311.8**	**6344.7**
Stddev	3409.	4.	22.1	61.4
%RSD	2.0058	.01145	.95446	.96808
#1	172390.	33884.	2296.2	6301.2
#2	167570.	33889.	2327.4	6388.1

Zoom In Zoom Out

Sample Name: mp79668-sd1 Acquired: 6/2/2014 15:06:40 Type: Unk
Method: Accutest1(v88) 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	**1.107**	**.0040**	**.0022**	**.0978**	**.1004**	**.2447**	**1.938**	**.3872**	**.0221**
Stddev	.064	.0009	.0011	.0024	.0007	.0034	.036	.0010	.0154
%RSD	5.756	23.02	47.57	2.452	.6966	1.380	1.867	.2468	69.89
#1	1.062	.0034	.0015	.0961	.1009	.2471	1.963	.3878	.0112
#2	1.153	.0047	.0030	.0994	.0999	.2423	1.912	.3865	.0329

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2712**	**1.336**	**.2192**	**.0190**	**.1280**	**.0106**	**.0203**	**69.10**	**228.1**
Stddev	.0018	.004	.0117	.0055	.0305	.0217	.0020	4.27	14.8
%RSD	.6721	.2802	5.315	29.11	23.84	204.5	9.858	6.185	6.479
#1	.2725	1.334	.2275	.0151	.1496	.0260	.0188	66.08	217.7
#2	.2699	1.339	.2110	.0229	.1064	-.0047	.0217	72.12	238.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**281.5**	**95.93**	**19.45**	**1.722**	**.0436**	**.1993**	**.0224**	**5.401**	**-.0038**
Stddev	17.9	5.28	1.32	.048	.0032	.0036	.0221	.031	.0063
%RSD	6.371	5.504	6.804	2.766	7.309	1.814	98.56	.5813	168.2
#1	268.8	92.20	18.51	1.756	.0413	.1967	.0068	5.423	-.0082
#2	294.2	99.67	20.38	1.688	.0458	.2018	.0380	5.379	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2349**	**.6507**	**-.4008**	**.0981**	**7.487**	**-.0293**	**.1301**
Stddev	.0138	.0108	.0052	.0022	.011	.0093	.0025
%RSD	5.869	1.665	1.307	2.212	.1434	31.65	1.922
#1	.2252	.6584	-.3971	.0996	7.495	-.0228	.1283
#2	.2447	.6431	-.4045	.0965	7.480	-.0359	.1318

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**175770.**	**32129.**	**2327.3**	**6408.5**
Stddev	2709.	1746.	5.8	28.0
%RSD	1.5409	5.4351	.24929	.43639
#1	173860.	33363.	2331.4	6428.3
#2	177690.	30894.	2323.2	6388.7

Zoom In Zoom Out

Sample Name: mp79668-ps1conf Acquired: 6/2/2014 15:12:40 Type: Unk
Method: Accutest1(v88) 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	**-.0019**	**-.0016**	**-.0031**	**.0011**	**-.0013**	**-.0380**	**-.0006**	**-.0124**	**.0006**
Stddev	.0005	.0001	.0004	.0005	.0002	.0002	.0000	.0004	.0014
%RSD	27.99	5.617	12.06	43.16	13.95	.4705	5.969	3.569	247.8
#1	-.0023	-.0015	-.0033	.0008	-.0014	-.0379	-.0006	-.0128	-.0004
#2	-.0015	-.0017	-.0028	.0015	-.0011	-.0382	-.0006	-.0121	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0036**	**.0038**	**.0124**	**.0170**	**.0099**	**-.0229**	**.0006**	**-.0591**	**-.0321**
Stddev	.0004	.0001	.0003	.0056	.0019	.0018	.0004	.0061	.0028
%RSD	11.90	3.067	2.107	33.29	19.52	7.673	66.87	10.37	8.586
#1	.0039	.0038	.0126	.0210	.0113	-.0216	.0003	-.0548	-.0340
#2	.0033	.0039	.0122	.0130	.0086	-.0241	.0009	-.0634	-.0301

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0258**	**-.0293**	**-.1475**	**-.0912**	**-.0104**	**-.0070**	**-.0008**	**-.0628**	**-.0050**
Stddev	.0014	.0183	.0341	.0066	.0001	.0003	.0009	.0014	.0002
%RSD	5.607	62.50	23.10	7.220	.9507	4.479	112.5	2.253	4.820
#1	-.0269	-.0422	-.1716	-.0865	-.0105	-.0072	-.0014	-.0618	-.0049
#2	-.0248	-.0163	-.1234	-.0958	-.0103	-.0068	-.0002	-.0638	-.0052

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**-.0019**	**-.1041**	**-.0049**	**.1087**	**.0123**	**.0066**
Stddev	.0002	.0003	.0015	.0001	.0005	.0005	.0003
%RSD	71.13	13.96	1.488	1.264	.4411	4.326	4.665
#1	.0001	-.0021	-.1030	-.0050	.1084	.0127	.0068
#2	.0004	-.0017	-.1052	-.0049	.1090	.0119	.0064

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**335650.**	**49507.**	**6153.5**	**14864.**
Stddev	936.	449.	71.4	154.
%RSD	.27879	.90624	1.1609	1.0328
#1	336310.	49824.	6204.0	14972.
#2	334990.	49189.	6103.0	14755.

Zoom In Zoom Out

Sample Name: jb67344-1 Acquired: 6/2/2014 15:18:45 Type: Unk
Method: Accutest1(v88) 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	**.7138**	**.0046**	**.0020**	**.0987**	**.1169**	**.1942**	**3.610**	**.2790**	**.0061**
Stddev	.0034	.0001	.0001	.0005	.0003	.0009	.022	.0007	.0011
%RSD	.4698	1.742	5.297	.4747	.2885	.4646	.6219	.2413	18.07
#1	.7162	.0045	.0021	.0984	.1167	.1936	3.594	.2795	.0069
#2	.7115	.0046	.0020	.0990	.1172	.1949	3.626	.2786	.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2307**	**.8454**	**.1351**	**.0107**	**.1109**	**-.0056**	**.0090**	**78.78**	**446.4**
Stddev	.0032	.0024	.0002	.0090	.0049	.0057	.0028	.24	1.8
%RSD	1.370	.2870	.1604	83.49	4.409	101.8	30.62	.3010	.3920
#1	.2284	.8437	.1352	.0044	.1074	-.0096	.0110	78.95	447.6
#2	.2329	.8471	.1349	.0171	.1143	-.0016	.0071	78.61	445.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**217.8**	**151.9**	**20.86**	**2.044**	**.1002**	**.0982**	**.0181**	**3.826**	**.0125**
Stddev	1.0	.4	.14	.021	.0047	.0015	.0020	.004	.0001
%RSD	.4479	.2566	.6617	1.001	4.681	1.493	11.23	.1176	.7779
#1	218.5	152.2	20.95	2.058	.1035	.0972	.0195	3.822	.0125
#2	217.1	151.6	20.76	2.029	.0969	.0993	.0166	3.829	.0124

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4533**	**.7486**	**-.0741**	**.0972**	**3.033**	**.0000**	**.1332**
Stddev	.0017	.0048	.0021	.0005	.011	.001	.0010
%RSD	.3775	.6374	2.848	.5284	.3724	2376.	.7150
#1	.4545	.7452	-.0726	.0968	3.025	.0007	.1325
#2	.4521	.7519	-.0756	.0975	3.041	-.0007	.1338

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168160.**	**33300.**	**2265.6**	**6176.6**
Stddev	983.	45.	4.6	12.6
%RSD	.58433	.13653	.20164	.20401
#1	168860.	33268.	2268.8	6185.5
#2	167470.	33333.	2262.4	6167.7

Zoom In Zoom Out

Sample Name: jb67344-2 Acquired: 6/2/2014 15:24:44 Type: Unk
Method: Accutest1(v88) 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	**.9163**	**.0047**	**.0042**	**.0940**	**.1069**	**.2810**	**2.442**	**.3799**	**.0059**
Stddev	.0006	.0000	.0000	.0020	.0034	.0017	.008	.0046	.0011
%RSD	.0633	1.000	.0599	2.143	3.161	.6194	.3305	1.218	19.17
#1	.9167	.0047	.0042	.0926	.1093	.2823	2.448	.3766	.0067
#2	.9159	.0046	.0042	.0954	.1045	.2798	2.436	.3832	.0051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2481**	**1.250**	**.2300**	**.0241**	**.1326**	**.0078**	**.0143**	**70.56**	**177.1**
Stddev	.0001	.012	.0016	.0016	.0067	.0056	.0024	.09	.1
%RSD	.0433	.9425	.6968	6.713	5.037	70.91	16.98	.1312	.0819
#1	.2481	1.242	.2288	.0253	.1373	.0039	.0160	70.63	177.2
#2	.2480	1.258	.2311	.0230	.1279	.0118	.0126	70.49	177.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**264.8**	**84.75**	**16.74**	**2.289**	**.0793**	**.2007**	**.0209**	**4.252**	**.0143**
Stddev	.3	.08	.04	.005	.0024	.0019	.0011	.026	.0002
%RSD	.0980	.0903	.2359	.2157	3.003	.9701	5.328	.6099	1.075
#1	264.9	84.80	16.71	2.286	.0776	.1993	.0217	4.234	.0141
#2	264.6	84.69	16.77	2.293	.0809	.2020	.0201	4.270	.0144

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1696**	**.6349**	**-.0719**	**.1171**	**2.981**	**-.0052**	**.0968**
Stddev	.0004	.0017	.0026	.0011	.013	.0001	.0018
%RSD	.2066	.2662	3.606	.9380	.4211	1.940	1.905
#1	.1698	.6361	-.0700	.1179	2.973	-.0053	.0981
#2	.1694	.6337	-.0737	.1163	2.990	-.0051	.0955

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168660.**	**33540.**	**2318.0**	**6327.8**
Stddev	445.	4.	22.9	62.1
%RSD	.26364	.01063	.98755	.98139
#1	168350.	33538.	2334.2	6371.7
#2	168980.	33543.	2301.8	6283.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 15:30:44 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.993**	**2.070**	**2.011**	**1.998**	**2.016**	**1.922**	**2.151**	**2.062**	**.2404**
Stddev	.006	.006	.009	.010	.008	.007	.008	.008	.0008
%RSD	.2977	.3158	.4542	.4889	.3820	.3483	.3747	.3882	.3237
#1	1.989	2.065	2.017	2.005	2.022	1.918	2.156	2.067	.2410
#2	1.997	2.075	2.004	1.991	2.011	1.927	2.145	2.056	.2399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.112**	**2.073**	**2.007**	**2.095**	**2.072**	**1.986**	**1.962**	**39.88**	**40.28**
Stddev	.004	.014	.007	.003	.006	.006	.005	.12	.02
%RSD	.2025	.6522	.3615	.1386	.2718	.3015	.2577	.2990	.0400
#1	2.115	2.083	2.012	2.097	2.076	1.990	1.966	39.80	40.29
#2	2.109	2.064	2.002	2.093	2.068	1.981	1.959	39.97	40.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.79**	**41.42**	**40.28**	**40.91**	**1.920**	**2.035**	**1.866**	**5.027**	**2.050**
Stddev	.01	.10	.14	.18	.001	.006	.006	.019	.009
%RSD	.0314	.2359	.3371	.4354	.0379	.2830	.3231	.3704	.4152
#1	40.78	41.49	40.18	40.78	1.921	2.039	1.861	5.040	2.056
#2	40.80	41.35	40.38	41.04	1.920	2.031	1.870	5.013	2.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 15:30:44 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.093**	**2.058**	**1.966**	**2.009**	**1.997**	**1.981**	**1.998**
Stddev	.006	.004	.002	.001	.000	.003	.011
%RSD	.2658	.1685	.0850	.0479	.0122	.1634	.5497
#1	2.089	2.061	1.967	2.010	1.997	1.983	1.991
#2	2.097	2.056	1.965	2.009	1.997	1.979	2.006
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	**164690.**	**32334.**	**2239.1**	**6071.5**
Stddev	321.	36.	4.7	12.5
%RSD	.19490	.11263	.20910	.20516
#1	164460.	32360.	2235.8	6062.7
#2	164920.	32309.	2242.4	6080.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 15:36:34 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0002**	**.0001**	**-.0012**	**.0002**	**-.0003**	**-.0004**
Stddev	.000	.0000	.0001	.0000	.0001	.0006	.0000	.0000	.0002
%RSD	631.6	12.84	39.31	28.79	64.45	49.44	6.806	1.861	36.70
#1	.0001	.0001	.0002	.0001	.0001	-.0016	.0002	-.0003	-.0003
#2	-.0001	.0001	.0003	.0002	.0002	-.0008	.0002	-.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	**.0003**	**.0005**	**.0000**	**.0012**	**-.0003**	**-.0001**	**.0014**	**-.0004**	**-.0056**
Stddev	.0001	.0001	.000	.0012	.0000	.0000	.0005	.0057	.0002
%RSD	34.54	20.81	622.7	100.0	12.77	8.251	32.92	1618.	4.437
#1	.0004	.0005	.0001	.0003	-.0003	-.0001	.0017	-.0044	-.0054
#2	.0003	.0006	-.0002	.0020	-.0003	-.0001	.0011	.0037	-.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	**.0029**	**.0100**	**.0047**	**.0135**	**-.0011**	**.0001**	**.0001**	**.0029**	**.0003**
Stddev	.0002	.0248	.0044	.0069	.0001	.0002	.0003	.0002	.0004
%RSD	5.662	247.3	93.66	51.01	13.26	367.6	426.8	8.442	103.3
#1	.0028	.0275	.0016	.0184	-.0010	.0002	.0003	.0027	.0001
#2	.0030	-.0075	.0078	.0086	-.0012	-.0001	-.0001	.0031	.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: 6/2/2014 15:36:34 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0101**	**-.0001**	**-.0020**	**-.0014**	**.0020**
Stddev	.0000	.0000	.0018	.0001	.0011	.0001	.0009
%RSD	15.25	10.37	17.92	81.18	55.34	5.903	43.92
#1	.0002	.0002	-.0088	.0000	-.0028	-.0015	.0026
#2	.0002	.0002	-.0114	-.0001	-.0012	-.0013	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**169180.**	**33949.**	**2335.4**	**6437.5**
Stddev	6933.	258.	1.4	3.3
%RSD	4.0978	.75856	.05984	.05107
#1	174080.	34131.	2334.5	6435.2
#2	164270.	33767.	2336.4	6439.9

Zoom In Zoom Out

Sample Name: mp79668-ps1 Acquired: 6/2/2014 15:44:48 Type: Unk
Method: Accutest1(v88) 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	**5.932**	**.1068**	**.1122**	**.6134**	**.6250**	**.7624**	**2.275**	**.8641**	**.1050**
Stddev	.038	.0004	.0004	.0004	.0187	.0206	.071	.0001	.0011
%RSD	.6436	.4086	.3155	.0578	3.000	2.704	3.134	.0152	1.013
#1	5.905	.1065	.1124	.6132	.6117	.7478	2.225	.8640	.1042
#2	5.959	.1072	.1119	.6137	.6382	.7770	2.326	.8642	.1057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.7801**	**1.733**	**.7205**	**.1221**	**.6325**	**.5696**	**.5258**	**60.28**	**283.9**
Stddev	.0222	.002	.0023	.0064	.0054	.0070	.0007	.38	1.0
%RSD	2.850	.0972	.3172	5.243	.8581	1.236	.1322	.6258	.3565
#1	.7644	1.732	.7189	.1175	.6287	.5646	.5253	60.01	283.2
#2	.7958	1.734	.7221	.1266	.6364	.5746	.5263	60.54	284.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**228.2**	**182.5**	**117.9**	**104.9**	**1.070**	**.7149**	**.0183**	**4.565**	**.5280**
Stddev	1.2	.9	.6	.8	.005	.0005	.0039	.001	.0072
%RSD	.5306	.4776	.5092	.7279	.4655	.0748	21.31	.0254	1.356
#1	227.4	181.9	117.5	104.4	1.074	.7145	.0155	4.564	.5230
#2	229.1	183.1	118.3	105.5	1.067	.7152	.0210	4.566	.5331

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6945**	**1.118**	**-.0545**	**.1008**	**6.714**	**-.0017**	**.0880**
Stddev	.0040	.035	.0016	.0037	.036	.0015	.0007
%RSD	.5689	3.127	2.855	3.631	.5385	88.42	.7604
#1	.6917	1.093	-.0534	.0982	6.688	-.0006	.0875
#2	.6973	1.143	-.0556	.1034	6.739	-.0028	.0884

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162920.**	**33618.**	**2262.5**	**6161.7**
Stddev	4444.	71.	4.4	13.2
%RSD	2.7277	.21079	.19660	.21479
#1	166060.	33668.	2265.6	6171.0
#2	159770.	33568.	2259.3	6152.3

Zoom In Zoom Out

Sample Name: mp79668-sd1 Acquired: 6/2/2014 15:55:40 Type: Unk
Method: Accutest1(v88) 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	**1.032**	**.0032**	**.0037**	**.0971**	**.1050**	**.2428**	**2.045**	**.3903**	**.0054**
Stddev	.005	.0010	.0005	.0031	.0003	.0009	.007	.0015	.0003
%RSD	.5222	30.26	12.95	3.227	.3325	.3854	.3352	.3728	5.058
#1	1.036	.0025	.0033	.0949	.1047	.2435	2.050	.3892	.0056
#2	1.029	.0039	.0040	.0994	.1052	.2422	2.040	.3913	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2791**	**1.418**	**.2347**	**.0246**	**.1292**	**-.0042**	**.0110**	**65.67**	**214.0**
Stddev	.0008	.000	.0064	.0159	.0139	.0214	.0025	.11	.1
%RSD	.2942	.0157	2.734	64.65	10.77	512.8	22.40	.1612	.0700
#1	.2797	1.418	.2302	.0133	.1390	.0109	.0128	65.74	213.9
#2	.2785	1.419	.2392	.0358	.1193	-.0193	.0093	65.59	214.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**265.8**	**92.09**	**18.36**	**1.921**	**.0542**	**.1953**	**.0075**	**5.632**	**.0130**
Stddev	.6	.71	.57	.194	.0078	.0007	.0045	.001	.0172
%RSD	.2241	.7725	3.124	10.11	14.41	.3408	60.54	.0086	131.8
#1	265.4	91.59	18.76	1.784	.0598	.1948	.0043	5.633	.0009
#2	266.2	92.60	17.95	2.058	.0487	.1958	.0107	5.632	.0252

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2245**	**.6959**	**-.4076**	**.1029**	**7.478**	**-.0324**	**.1378**
Stddev	.0018	.0016	.0094	.0041	.017	.0137	.0044
%RSD	.7914	.2242	2.304	4.024	.2288	42.28	3.174
#1	.2257	.6970	-.4142	.0999	7.466	-.0421	.1347
#2	.2232	.6948	-.4009	.1058	7.490	-.0227	.1409

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170540.**	**33310.**	**2334.2**	**6421.5**
Stddev	689.	45.	3.3	2.1
%RSD	.40410	.13460	.14021	.03215
#1	170050.	33342.	2336.5	6423.0
#2	171020.	33279.	2331.9	6420.1

Zoom In Zoom Out

Sample Name: jb67969-1a 2 Acquired: 6/2/2014 16:05:47 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.1495**	**.0003**	**.0008**	**.1765**	**.0043**	**.0032**	**.7313**	**.0115**
Stddev	.0019	.0000	.0001	.0000	.0003	.0001	.0058	.0002
%RSD	1.259	3.587	7.799	.0069	6.102	2.854	.7894	1.373
#1	.1508	.0003	.0008	.1765	.0045	.0033	.7272	.0114
#2	.1482	.0003	.0007	.1765	.0042	.0032	.7354	.0117

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0006**	**.1137**	**.0077**	F **-.0022**	**.0853**	**.0114**	**.0019**
Stddev	.0003	.0002	.0001	.0011	.0002	.0002	.0010	.0009
%RSD	1332.	34.61	.0872	14.87	9.289	.1853	9.060	45.83
#1	.0002	.0005	.1136	.0069	-.0021	.0852	.0121	.0013
#2	-.0002	.0008	.1138	.0085	-.0024	.0854	.0107	.0025

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.7737**	**67.69**	**2.597**	**5.730**	**5.707**	F **1152.**	**.1657**	**-.0006**
Stddev	.0043	.60	.026	.031	.055	7.	.0007	.0001
%RSD	.5528	.8862	1.004	.5471	.9670	.6289	.4289	13.00
#1	.7767	68.12	2.616	5.752	5.746	1157.	.1662	-.0006
#2	.7707	67.27	2.579	5.708	5.668	1147.	.1652	-.0005

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0008**	**3.706**	**.0029**	**.1656**	**.0020**	**-.0147**	**-.0011**	**1.383**
Stddev	.0002	.012	.0005	.0025	.0000	.0003	.0000	.010
%RSD	28.74	.3290	17.45	1.505	.2111	2.080	.9426	.7207
#1	.0007	3.715	.0033	.1674	.0021	-.0145	-.0011	1.390
#2	.0010	3.697	.0025	.1639	.0020	-.0149	-.0011	1.376

Elem	Bi2230	Li6707
Avg	**-.0035**	**.0112**
Stddev	.0000	.0001
%RSD	1.055	.7685
#1	-.0035	.0111
#2	-.0035	.0113

Zoom In Zoom Out

Sample Name: jb67969-1a 2 Acquired: 6/2/2014 16:05:47 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**149820.**	**32873.**	**2004.3**	**5163.9**
Stddev	709.	317.	6.6	13.8
%RSD	.47337	.96545	.32907	.26758
#1	150330.	32648.	1999.6	5154.1
#2	149320.	33097.	2009.0	5173.7

Zoom In Zoom Out

Sample Name: mp79773-lc1 2 Acquired: 6/2/2014 16:11:49 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4690**	**.4784**	**.4754**	**.4658**	**.4898**	**.4520**	**.5093**	**.4896**	**.1846**
Stddev	.0160	.0175	.0039	.0026	.0029	.0013	.0028	.0039	.0004
%RSD	3.416	3.663	.8114	.5669	.6020	.2865	.5546	.8034	.2362
#1	.4577	.4660	.4781	.4676	.4919	.4529	.5113	.4924	.1849
#2	.4803	.4908	.4727	.4639	.4877	.4511	.5073	.4868	.1843

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4908**	**.5224**	**.4736**	**.4922**	**.4823**	**.4862**	**.4666**	**4.664**	**5.273**
Stddev	.0020	.0043	.0053	.0021	.0032	.0043	.0033	.187	.186
%RSD	.4094	.8186	1.124	.4218	.6683	.8864	.7066	4.012	3.517
#1	.4922	.5255	.4773	.4937	.4846	.4892	.4689	4.532	5.142
#2	.4893	.5194	.4698	.4907	.4801	.4831	.4642	4.797	5.404

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.426**	**5.246**	**9.452**	**9.740**	**.0226**	**.4887**	**.0034**	**.0593**	**.0002**
Stddev	.191	.182	.338	.346	.0003	.0040	.0001	.0008	.0012
%RSD	3.515	3.469	3.575	3.556	1.363	.8121	2.512	1.311	469.4
#1	5.291	5.117	9.213	9.495	.0228	.4915	.0033	.0599	.0011
#2	5.561	5.375	9.691	9.985	.0224	.4859	.0034	.0588	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4917**	**-.0071**	**.0013**	**-.0056**	**-.0064**	**.0032**
Stddev	.0001	.0020	.0000	.0001	.0013	.0003	.0001
%RSD	111.1	.4147	.5172	7.069	24.16	5.085	4.102
#1	.0000	.4932	-.0071	.0014	-.0065	-.0062	.0031
#2	-.0002	.4903	-.0071	.0013	-.0046	-.0067	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171590.**	**34325.**	**2277.1**	**6356.8**
Stddev	454.	1090.	17.1	46.0
%RSD	.26476	3.1751	.75029	.72348
#1	171270.	35096.	2265.0	6324.2
#2	171910.	33554.	2289.2	6389.3

Zoom In Zoom Out

Sample Name: mp79773-mb2 2 Acquired: 6/2/2014 16:17:41 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0026**	**.0000**	**.0001**	**.0001**	**.0007**	**.0008**	**.0018**	**.0036**	**.0001**
Stddev	.0002	.0000	.0000	.0001	.0005	.0001	.0000	.0001	.0002
%RSD	7.485	116.7	47.06	202.4	68.74	14.42	.5845	3.680	273.5
#1	.0024	.0000	.0001	.0001	.0004	.0007	.0019	.0037	-.0001
#2	.0027	.0000	.0000	.0000	.0011	.0009	.0018	.0035	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0003**	**.0057**	**-.0015**	**.0003**	**.0114**	**.0012**	**.0070**	**.0785**
Stddev	.0004	.0002	.0011	.0015	.0005	.0001	.0006	.0003	.0003
%RSD	1470.	47.97	19.03	96.91	178.5	.7242	51.33	4.638	.4443
#1	.0003	-.0004	.0064	-.0005	.0006	.0115	.0016	.0067	.0787
#2	-.0002	-.0002	.0049	-.0026	-.0001	.0114	.0007	.0072	.0782

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0045**	**.0106**	**.2395**	F **1122.**	**.0009**	**-.0007**	**-.0003**	**.2878**	**.0033**
Stddev	.0002	.0027	.0162	13.	.0003	.0001	.0000	.0026	.0006
%RSD	4.789	25.77	6.759	1.118	30.25	10.71	3.343	.9062	16.82
#1	.0047	.0126	.2281	1131.	.0011	-.0008	-.0003	.2896	.0029
#2	.0044	.0087	.2510	1114.	.0007	-.0007	-.0003	.2859	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0099**	**.0000**	**-.0176**	**-.0010**	**.0131**	**-.0027**	**.0062**
Stddev	.0000	.0001	.0002	.0003	.0014	.0000	.0012
%RSD	.1466	147.1	.9833	31.32	10.93	.8579	19.79
#1	.0099	.0001	-.0177	-.0012	.0142	-.0027	.0054
#2	.0099	.0000	-.0175	-.0007	.0121	-.0027	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**151020.**	**33035.**	**2028.9**	**5271.4**
Stddev	1706.	37.	11.9	29.6
%RSD	1.1299	.11335	.58593	.56202
#1	152220.	33062.	2020.5	5250.5
#2	149810.	33009.	2037.3	5292.4

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 16:23:49 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0038**	**.0009**	**.0010**	**.0030**	**.0021**	F **.0003**	**.0034**	**.0041**
Stddev	.0002	.0001	.0000	.0001	.0001	.0003	.0000	.0003
%RSD	6.315	6.337	.2335	1.692	5.353	84.90	.1501	8.382
#1	.0037	.0009	.0010	.0030	.0021	.0005	.0034	.0043
#2	.0040	.0010	.0010	.0031	.0020	.0001	.0034	.0038

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	F **.0007**	**.0022**	F **.0144**	**.0035**	F **.0036**	**.0030**	**.0053**	W **.0038**
Stddev	.0007	.0000	.0001	.0002	.0001	.0000	.0006	.0008
%RSD	104.8	2.032	1.018	6.773	4.024	.8262	10.94	20.58
#1	.0011	.0023	.0143	.0037	.0035	.0030	.0049	.0033
#2	.0002	.0022	.0145	.0034	.0037	.0030	.0057	.0044

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1015**	**1.041**	**-.0001**	**.1144**	**2.076**	W **1.276**	W **.0078**	**-.0008**
Stddev	.0094	.068	.0022	.0085	.121	.084	.0002	.0001
%RSD	9.271	6.488	2154.	7.440	5.815	6.577	2.715	7.377
#1	.0949	.9934	-.0016	.1084	1.991	1.216	.0076	-.0009
#2	.1082	1.089	.0014	.1204	2.161	1.335	.0079	-.0008

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0006**	**-.0002**	**.0000**	**.0000**	**.0000**	F **-.0179**	F **-.0007**	F **-.0026**
Stddev	.0004	.0002	.0003	.0000	.0002	.0006	.0003	.0018
%RSD	73.36	64.74	1549.	543.6	4453.	3.195	35.81	68.46
#1	.0003	-.0001	-.0002	.0000	.0002	-.0183	-.0009	-.0013
#2	.0008	-.0003	.0002	.0000	-.0001	-.0175	-.0005	-.0038

Elem	Bi2230	Li6707
Avg	F **-.0011**	F **.0022**
Stddev	.0005	.0004
%RSD	47.25	17.34
#1	-.0015	.0025
#2	-.0008	.0020

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 16:23:49 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169810.**	**33422.**	**2330.3**	**6409.7**
Stddev	604.	1849.	6.1	24.8
%RSD	.35591	5.5326	.26317	.38719
#1	169380.	34729.	2334.6	6427.3
#2	170230.	32114.	2326.0	6392.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 16:29:52 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.2058**	**.0022**	**.0033**	**.0517**	**.0106**	**.0082**	**.0170**	**.0106**
Stddev	.0024	.0000	.0001	.0004	.0005	.0000	.0001	.0002
%RSD	1.182	.3789	3.517	.8663	4.380	.4326	.3360	1.683
#1	.2075	.0022	.0034	.0514	.0103	.0082	.0170	.0105
#2	.2041	.0022	.0032	.0520	.0110	.0082	.0169	.0108

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0048**	**.0561**	**.0223**	**.0094**	**.0106**	**.0034**	**.0109**	W **.0075**
Stddev	.0004	.0002	.0003	.0004	.0005	.0001	.0016	.0009
%RSD	7.934	.2984	1.479	4.729	4.429	2.641	14.54	12.71
#1	.0045	.0560	.0221	.0090	.0109	.0034	.0120	.0081
#2	.0051	.0563	.0225	.0097	.0102	.0033	.0097	.0068

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2019**	**5.313**	**.1109**	**5.596**	**5.209**	**5.327**	**.0962**	**.0204**
Stddev	.0027	.075	.0015	.089	.073	.065	.0007	.0003
%RSD	1.325	1.403	1.315	1.583	1.405	1.214	.7631	1.694
#1	.2038	5.366	.1119	5.658	5.261	5.373	.0957	.0202
#2	.2000	5.261	.1098	5.533	5.157	5.282	.0968	.0207

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0529**	**.2175**	**.0102**	**.0111**	**.0111**	**.0449**	**.0099**	**.0523**
Stddev	.0003	.0019	.0001	.0002	.0003	.0010	.0001	.0006
%RSD	.6235	.8876	1.107	1.545	2.655	2.126	1.172	1.237
#1	.0526	.2161	.0102	.0112	.0109	.0443	.0100	.0527
#2	.0531	.2189	.0101	.0110	.0113	.0456	.0098	.0518

Elem	Bi2230	Li6707
Avg	**.0202**	W **.0249**
Stddev	.0001	.0006
%RSD	.6128	2.365
#1	.0201	.0253
#2	.0202	.0245

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 16:29:52 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168030.**	**32976.**	**2301.5**	**6352.9**
Stddev	128.	417.	20.6	54.5
%RSD	.07642	1.2659	.89395	.85783
#1	167940.	32681.	2316.0	6391.4
#2	168120.	33271.	2286.9	6314.3

Zoom In Zoom Out

Sample Name: mp79722-mb1conf Acquired: 6/2/2014 16:35:52 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0232**	**-.0001**	**-.0001**	**.0000**	**.0069**	**-.0009**	**.0006**	**-.0002**
Stddev	.0000	.0000	.0001	.0000	.0002	.0001	.0000	.0002
%RSD	.1514	36.28	158.8	35.97	2.450	7.857	6.668	123.5
#1	.0232	-.0001	-.0002	.0000	.0071	-.0009	.0007	-.0003
#2	.0231	-.0001	.0000	.0000	.0068	-.0008	.0006	.0000

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0002**	**.0115**	**-.0006**	F **-.0027**	**.0004**	**.0003**	**.0018**
Stddev	.0001	.0002	.0000	.0005	.0003	.0006	.0002	.0008
%RSD	2276.	118.1	.3181	74.17	9.868	178.0	44.84	47.06
#1	-.0001	.0003	.0114	-.0003	-.0029	.0008	.0005	.0024
#2	.0001	.0000	.0115	-.0009	-.0025	-.0001	.0002	.0012

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0124**	**.1497**	**.0490**	**.0198**	**.0118**	**.0631**	**-.0016**	**-.0007**
Stddev	.0044	.0030	.0001	.0041	.0167	.0021	.0001	.0000
%RSD	35.07	1.991	.2263	20.69	141.7	3.336	4.332	2.017
#1	.0093	.1518	.0490	.0227	.0237	.0616	-.0015	-.0007
#2	.0155	.1476	.0489	.0169	.0000	.0646	-.0016	-.0007

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**.0152**	**.0203**	**.0007**	**.0006**	**-.0158**	**-.0006**	**.0105**
Stddev	.0004	.0000	.0001	.0001	.0001	.0000	.0000	.0013
%RSD	53.46	.0232	.2986	11.21	17.25	.0635	7.497	11.96
#1	.0010	.0152	.0202	.0006	.0007	-.0158	-.0007	.0097
#2	.0005	.0152	.0203	.0007	.0006	-.0158	-.0006	.0114

Elem	Bi2230	Li6707
Avg	**-.0020**	**.0025**
Stddev	.0001	.0008
%RSD	3.133	33.29
#1	-.0021	.0019
#2	-.0020	.0030

Zoom In Zoom Out

Sample Name: mp79722-mb1conf Acquired: 6/2/2014 16:35:52 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172500.**	**34035.**	**2321.2**	**6465.9**
Stddev	407.	98.	6.1	3.2
%RSD	.23614	.28655	.26207	.05015
#1	172210.	33966.	2316.9	6463.6
#2	172790.	34104.	2325.5	6468.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 16:41:57 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.062**	**1.998**	**1.989**	**1.987**	**1.955**	**2.078**	**2.041**	**.2432**
Stddev	.002	.001	.003	.003	.011	.004	.011	.004	.0005
%RSD	.0789	.0621	.1256	.1639	.5375	.2174	.5041	.1760	.1967
#1	2.014	2.061	1.996	1.987	1.979	1.958	2.070	2.039	.2428
#2	2.016	2.063	2.000	1.991	1.995	1.952	2.085	2.044	.2435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.093**	**2.041**	**1.998**	**2.079**	**2.045**	**1.997**	**1.976**	**39.00**	**40.38**
Stddev	.008	.005	.002	.007	.005	.001	.003	.02	.09
%RSD	.3832	.2546	.1064	.3569	.2445	.0432	.1299	.0454	.2284
#1	2.087	2.037	1.997	2.074	2.042	1.996	1.974	38.98	40.31
#2	2.098	2.044	2.000	2.085	2.049	1.998	1.978	39.01	40.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.80**	**40.62**	**39.51**	**40.16**	**1.933**	**2.036**	**1.894**	**4.991**	**2.041**
Stddev	.06	.21	.05	.06	.003	.004	.004	.006	.000
%RSD	.1489	.5090	.1218	.1395	.1268	.1791	.2326	.1257	.0002
#1	40.75	40.47	39.48	40.12	1.931	2.034	1.897	4.986	2.041
#2	40.84	40.77	39.55	40.19	1.935	2.039	1.891	4.995	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 16:41:57 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.000**	**1.953**	**1.969**	**2.004**	**1.998**	**2.012**
Stddev	.002	.005	.004	.003	.010	.001	.001
%RSD	.0878	.2476	.2125	.1712	.4935	.0343	.0377
#1	2.054	1.996	1.950	1.967	1.997	1.998	2.012
#2	2.057	2.003	1.956	1.971	2.011	1.997	2.011
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	**166070.**	**32880.**	**2242.1**	**6103.2**
Stddev	419.	12.	2.4	10.2
%RSD	.25254	.03634	.10786	.16744
#1	166360.	32889.	2243.8	6110.4
#2	165770.	32872.	2240.4	6096.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 16:47:48 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0002**	**-.0016**	**.0001**	**-.0001**	**-.0001**
Stddev	.0001	.0000	.0001	.000	.0000	.0001	.0000	.0000	.0002
%RSD	252.0	8.944	47.75	337.0	17.35	9.401	.6620	38.93	143.8
#1	.0001	.0001	.0001	.0001	.0002	-.0015	.0001	-.0001	.0000
#2	.0000	.0001	.0001	-.0001	.0003	-.0017	.0002	-.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0006**	**.0003**	**-.0009**	**.0003**	**-.0002**	**.0016**	**-.0053**	**-.0085**
Stddev	.0001	.0002	.0008	.0009	.0008	.0003	.0010	.0013	.0007
%RSD	44.29	33.41	285.8	105.2	266.2	143.4	67.12	25.42	7.934
#1	.0002	.0004	-.0003	-.0002	-.0003	-.0005	.0008	-.0062	-.0080
#2	.0003	.0007	.0008	-.0015	.0009	.0000	.0023	-.0043	-.0090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**.0062**	**.0151**	**.0314**	**-.0006**	**.0000**	**.0001**	**.0015**	**.0006**
Stddev	.0001	.0120	.0109	.0008	.0002	.000	.0001	.0001	.0001
%RSD	2.792	192.4	71.98	2.527	35.63	2036.	37.82	5.917	9.547
#1	.0030	-.0022	.0228	.0309	-.0004	.0002	.0001	.0015	.0006
#2	.0029	.0147	.0074	.0320	-.0007	-.0003	.0002	.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 16:47:48 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0097**	**-.0003**	**-.0010**	**-.0018**	**.0015**
Stddev	.0000	.0002	.0013	.0001	.0015	.0000	.0002
%RSD	13.60	152.4	13.75	21.58	147.6	1.908	15.54
#1	.0002	.0002	-.0088	-.0003	.0000	-.0018	.0013
#2	.0002	.0000	-.0107	-.0004	-.0021	-.0019	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**170170.**	**34098.**	**2337.6**	**6444.5**
Stddev	383.	944.	1.4	5.7
%RSD	.22478	2.7687	.06038	.08850
#1	169900.	33430.	2336.6	6440.4
#2	170440.	34766.	2338.6	6448.5

Zoom In Zoom Out

Sample Name: mp79767-mb1conf Acquired: 6/2/2014 16:53:52 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0001**	**-.0001**	**.0000**	**-.0013**	**.0000**	**-.0002**	**-.0004**
Stddev	.0001	.000	.0000	.0000	.0001	.0001	.0000	.0002	.0000
%RSD	219.8	41.47	47.20	46.19	165.5	9.083	203.7	119.0	6.812
#1	.0001	-.0001	.0001	-.0001	.0000	-.0014	.0000	.0000	-.0004
#2	.0000	.0000	.0001	-.0001	.0001	-.0012	.0000	-.0003	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0004**	**.0003**	**-.0005**	**-.0005**	**-.0004**	**.0015**	**-.0021**	**-.0030**
Stddev	.0001	.0004	.0003	.0005	.0009	.0002	.0005	.0047	.0012
%RSD	56.18	22.94	80.98	99.32	197.0	69.34	33.61	222.5	41.06
#1	.0001	.0014	.0005	-.0002	-.0011	-.0002	.0019	-.0055	-.0021
#2	.0002	.0019	.0001	-.0009	.0002	-.0005	.0012	.0012	-.0038

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0020**	**.0104**	**-.0045**	**.0312**	**.0009**	**-.0004**	**-.0003**	**.0116**	**.0002**
Stddev	.0007	.0059	.0013	.0014	.0006	.0000	.0005	.0000	.0001
%RSD	35.39	56.97	30.22	4.630	71.81	9.959	162.9	.0355	23.88
#1	.0025	.0145	-.0054	.0302	.0004	-.0004	-.0007	.0116	.0002
#2	.0015	.0062	-.0035	.0323	.0014	-.0005	.0001	.0116	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**-.0125**	**-.0004**	**.0028**	**-.0023**	**.0007**
Stddev	.0000	.0000	.0006	.0000	.0008	.0003	.0007
%RSD	44.02	38.61	5.022	7.703	28.32	14.66	93.07
#1	.0001	.0001	-.0121	-.0003	.0033	-.0021	.0012
#2	.0001	.0001	-.0130	-.0004	.0022	-.0026	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169450.**	**33872.**	**2316.0**	**6418.7**
Stddev	1002.	20.	9.7	28.6
%RSD	.59142	.05951	.41944	.44601
#1	168740.	33886.	2322.9	6438.9
#2	170160.	33858.	2309.1	6398.4

Zoom In Zoom Out

Sample Name: mp79767-s1 2 Acquired: 6/2/2014 16:59:54 Type: Unk
Method: Accutest1(v88) 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	**2.034**	**.0529**	**.0449**	**.4927**	**.2295**	**1.243**	**.6224**	**.6059**	**.0480**
Stddev	.147	.0039	.0008	.0039	.0041	.022	.0093	.0049	.0001
%RSD	7.204	7.438	1.706	.7953	1.789	1.762	1.492	.8068	.1652
#1	2.138	.0557	.0455	.4954	.2266	1.227	.6158	.6094	.0481
#2	1.931	.0501	.0444	.4899	.2324	1.258	.6290	.6025	.0480

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5506**	**.8891**	**6.491**	**1.871**	**.5341**	**3.193**	**.5577**	**1.993**	**24.57**
Stddev	.0090	.0070	.016	.006	.0015	.018	.0021	.134	1.75
%RSD	1.637	.7874	.2485	.3395	.2719	.5556	.3823	6.737	7.118
#1	.5442	.8941	6.503	1.875	.5351	3.205	.5562	2.088	25.81
#2	.5569	.8842	6.480	1.866	.5330	3.180	.5592	1.898	23.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.622**	**24.93**	**1799.**	**330.8**	**158.3**	**.0799**	**.0108**	**1.126**	**.1422**
Stddev	.108	1.83	125.	23.4	.1	.0008	.0016	.003	.0004
%RSD	6.678	7.355	6.959	7.069	.0886	1.016	15.14	.2636	.2861
#1	1.699	26.23	1888.	347.3	158.4	.0793	.0097	1.123	.1425
#2	1.546	23.63	1711.	314.3	158.2	.0805	.0120	1.128	.1419

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**-.0004**	**-.1168**	**.0173**	**4.391**	**-.0207**	**.0126**
Stddev	.0001	.0000	.0030	.0011	.025	.0025	.0033
%RSD	22.28	7.530	2.576	6.156	.5752	12.21	26.55
#1	.0005	-.0004	-.1189	.0180	4.409	-.0225	.0149
#2	.0003	-.0004	-.1147	.0165	4.373	-.0189	.0102

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162090.**	**33385.**	**2084.8**	**6046.7**
Stddev	2076.	2033.	1.8	11.5
%RSD	1.2809	6.0895	.08431	.18957
#1	163560.	31947.	2083.6	6038.6
#2	160620.	34822.	2086.1	6054.8

Zoom In Zoom Out

Sample Name: mp79767-s2 Acquired: 6/2/2014 17:05:48 Type: Unk
Method: Accutest1(v88) 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	**2.008**	**.0520**	**.0441**	**.4784**	**.2273**	**1.286**	**.6045**	**.5959**	**.0473**
Stddev	.004	.0001	.0003	.0032	.0001	.003	.0010	.0043	.0001
%RSD	.1921	.2571	.5878	.6730	.0551	.2487	.1587	.7193	.2422
#1	2.010	.0521	.0439	.4761	.2274	1.289	.6038	.5928	.0474
#2	2.005	.0519	.0442	.4807	.2272	1.284	.6052	.5989	.0472

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5339**	**.8829**	**6.612**	**1.803**	**.5201**	**3.147**	**.5449**	**1.973**	**24.20**
Stddev	.0002	.0022	.029	.016	.0084	.000	.0012	.009	.10
%RSD	.0347	.2522	.4340	.9094	1.610	.0095	.2235	.4731	.4327
#1	.5338	.8813	6.592	1.791	.5141	3.147	.5440	1.979	24.27
#2	.5341	.8845	6.632	1.814	.5260	3.147	.5458	1.966	24.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.611**	**24.09**	**1877.**	**342.7**	**165.9**	**.0824**	**.0054**	**1.161**	**.1445**
Stddev	.001	.19	4.	1.0	.1	.0004	.0016	.007	.0066
%RSD	.0445	.8004	.2182	.2896	.0479	.4906	29.41	.6243	4.558
#1	1.611	24.23	1880.	343.4	165.8	.0821	.0043	1.156	.1398
#2	1.610	23.96	1875.	342.0	165.9	.0826	.0065	1.166	.1491

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**-.1268**	**.0049**	**4.522**	**-.0128**	**.0110**
Stddev	.0003	.0007	.0012	.0010	.024	.0021	.0028
%RSD	155.4	354.7	.9613	19.49	.5202	16.34	24.98
#1	.0000	-.0003	-.1276	.0056	4.506	-.0143	.0130
#2	.0005	.0007	-.1259	.0042	4.539	-.0113	.0091

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**161660.**	**33003.**	**2081.2**	**6044.7**
Stddev	57.	147.	1.9	13.0
%RSD	.03507	.44507	.09075	.21531
#1	161700.	32899.	2082.6	6053.9
#2	161620.	33106.	2079.9	6035.5

Zoom In Zoom Out

Sample Name: jb67938-1 Acquired: 6/2/2014 17:11:42 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**-.0004**	**-.0003**	**-.0036**	**.0042**	**.0183**	**.9001**	**.0802**	**.0973**
Stddev	.0005	.0000	.0004	.0006	.0000	.0025	.0006	.0021
%RSD	117.4	12.75	11.53	15.18	.0946	.2726	.7080	2.127
#1	-.0001	-.0002	-.0039	.0037	.0183	.8984	.0798	.0987
#2	-.0007	-.0003	-.0033	.0046	.0182	.9019	.0806	.0958

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0026**	**.0142**	**.2891**	**3.761**	F **-.0412**	**.0749**	**.3101**	**.0425**
Stddev	.0004	.0008	.0017	.002	.0027	.0041	.0044	.0003
%RSD	14.53	5.593	.5724	.0428	6.470	5.463	1.414	.8099
#1	-.0029	.0148	.2903	3.760	-.0431	.0720	.3132	.0422
#2	-.0023	.0137	.2879	3.762	-.0394	.0778	.3070	.0427

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0202**	**.0069**	**.4742**	**.0788**	**1658.**	**286.7**	**144.3**	**.0704**
Stddev	.0158	.0011	.0019	.0053	8.	1.3	.1	.0004
%RSD	77.93	16.27	.3926	6.666	.5099	.4560	.0411	.5053
#1	.0314	.0077	.4729	.0826	1652.	285.8	144.3	.0702
#2	.0091	.0061	.4756	.0751	1664.	287.7	144.3	.0707

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0032**	**1.052**	**.1352**	**.0005**	**-.0003**	**-.1297**	**.0010**	**4.001**
Stddev	.0015	.004	.0004	.0000	.0007	.0021	.0006	.008
%RSD	47.49	.3973	.3267	8.417	225.3	1.643	56.28	.1960
#1	.0043	1.049	.1349	.0005	.0002	-.1312	.0006	4.006
#2	.0022	1.055	.1355	.0006	-.0009	-.1282	.0014	3.995

Elem	Bi2230	Li6707
Avg	**-.0121**	**.0147**
Stddev	.0027	.0004
%RSD	22.51	2.563
#1	-.0102	.0150
#2	-.0140	.0145

Zoom In Zoom Out

Sample Name: jb67938-1 Acquired: 6/2/2014 17:11:42 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162730.**	**32662.**	**2120.8**	**6119.9**
Stddev	.	77.	4.7	27.3
%RSD	.00006	.23506	.22156	.44551
#1	162730.	32716.	2117.5	6100.6
#2	162730.	32607.	2124.2	6139.2

Zoom In Zoom Out

Sample Name: mp79767-sd1 Acquired: 6/2/2014 17:17:42 Type: Unk
Method: Accutest1(v88) 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	**-.0051**	**-.0017**	**-.0016**	**.0049**	**.0197**	**.9040**	**.0814**	**.0957**	**-.0077**
Stddev	.0008	.0003	.0019	.0029	.0075	.0092	.0001	.0005	.0033
%RSD	16.11	19.15	117.2	59.06	37.96	1.013	.1753	.5472	43.14
#1	-.0045	-.0014	-.0030	.0028	.0144	.9104	.0813	.0953	-.0053
#2	-.0057	-.0019	-.0003	.0069	.0249	.8975	.0815	.0961	-.0100

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0177**	**.3227**	**3.457**	**-.0285**	**.0843**	**.2461**	**.0878**	**-.0691**	**.1663**
Stddev	.0018	.0046	.005	.0306	.0026	.0186	.0059	.0869	.0087
%RSD	10.40	1.435	.1327	107.1	3.095	7.566	6.749	125.8	5.236
#1	.0190	.3260	3.454	-.0502	.0824	.2329	.0920	-.1305	.1724
#2	.0164	.3195	3.460	-.0069	.0861	.2592	.0836	-.0076	.1601

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5127**	**-.0873**	**1762.**	**297.3**	**153.3**	**.0549**	**.0169**	**1.273**	**.1143**
Stddev	.0293	.0188	3.	.1	.4	.0051	.0073	.030	.0114
%RSD	5.716	21.53	.1642	.0352	.2789	9.240	43.33	2.382	10.00
#1	.4920	-.0740	1760.	297.2	153.0	.0514	.0221	1.294	.1062
#2	.5334	-.1005	1764.	297.4	153.6	.0585	.0117	1.251	.1224

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0029**	**.0028**	**-.4665**	**-.0150**	**4.279**	**-.0424**	**.0496**
Stddev	.0005	.0074	.0041	.0009	.038	.0192	.0056
%RSD	17.50	262.9	.8845	6.296	.8796	45.17	11.29
#1	.0026	-.0024	-.4694	-.0143	4.306	-.0560	.0535
#2	.0033	.0080	-.4636	-.0156	4.253	-.0289	.0456

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168840.**	**33461.**	**2243.1**	**6274.5**
Stddev	54.	11.	8.5	23.6
%RSD	.03195	.03168	.37868	.37583
#1	168880.	33469.	2249.1	6291.2
#2	168810.	33454.	2237.1	6257.8

Zoom In Zoom Out

Sample Name: mp79767-ps1 Acquired: 6/2/2014 17:23:44 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**4.512**	**.0915**	**.0970**	**.4002**	**.4526**	**1.412**	**.5110**	**.4702**
Stddev	.011	.0000	.0006	.0009	.0017	.001	.0006	.0003
%RSD	.2396	.0380	.5957	.2124	.3846	.0388	.1238	.0678
#1	4.505	.0915	.0966	.3996	.4514	1.412	.5106	.4704
#2	4.520	.0916	.0974	.4008	.4538	1.412	.5115	.4700

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0697**	**.4588**	**.8058**	**4.513**	**.0152**	**.1138**	**1.254**	**.5066**
Stddev	.0002	.0004	.0002	.012	.0005	.0001	.011	.0021
%RSD	.2581	.0919	.0215	.2616	3.051	.1277	.8652	.4081
#1	.0698	.4591	.8056	4.505	.0149	.1137	1.246	.5052
#2	.0696	.4585	.8059	4.521	.0155	.1139	1.262	.5081

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**4.176**	**80.56**	**4.829**	**76.72**	F **1302.**	**319.7**	F **132.4**	**.5735**
Stddev	.010	.11	.011	.02	1.	.1	.4	.0017
%RSD	.2330	.1332	.2223	.0265	.0440	.0422	.2938	.2913
#1	4.169	80.49	4.821	76.71	1302.	319.8	132.1	.5723
#2	4.183	80.64	4.837	76.74	1302.	319.6	132.7	.5747

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0033**	**.9530**	**.5494**	**.4569**	**.4402**	F **-.0717**	**-.0015**	**3.686**
Stddev	.0003	.0010	.0012	.0000	.0010	.0011	.0001	.003
%RSD	8.050	.1047	.2198	.0060	.2320	1.480	8.790	.0720
#1	.0035	.9523	.5485	.4569	.4395	-.0710	-.0014	3.684
#2	.0031	.9537	.5502	.4568	.4409	-.0725	-.0016	3.688

Elem	Bi2230	Li6707
Avg	**-.0040**	**.0051**
Stddev	.0005	.0001
%RSD	11.86	1.710
#1	-.0044	.0052
#2	-.0037	.0051

Zoom In Zoom Out

Sample Name: mp79767-ps1 Acquired: 6/2/2014 17:23:44 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**133940.**	**31663.**	**1623.6**	**4978.3**
Stddev	196.	60.	7.2	17.7
%RSD	.14638	.18897	.44347	.35548
#1	133800.	31705.	1628.7	4990.8
#2	134080.	31621.	1618.5	4965.8

Zoom In Zoom Out

Sample Name: jb67498-1 Acquired: 6/2/2014 17:29:46 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0362**	**.0336**	**.0030**	**1.060**	**.0021**	**.0147**	**14.59**	**.0933**
Stddev	.0002	.0001	.0002	.001	.0005	.0002	.17	.0006
%RSD	.5143	.1501	7.194	.1123	26.59	1.296	1.142	.6542
#1	.0364	.0336	.0032	1.060	.0025	.0148	14.48	.0929
#2	.0361	.0337	.0029	1.061	.0017	.0146	14.71	.0937

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0009**	**-.0014**	**.3622**	**.0342**	F **-.0059**	**.0226**	**.0017**	**.0001**
Stddev	.0001	.0003	.0001	.0009	.0032	.0006	.0005	.0013
%RSD	8.628	19.63	.0217	2.534	54.13	2.707	30.01	1591.
#1	-.0010	-.0012	.3623	.0336	-.0081	.0222	.0013	.0010
#2	-.0009	-.0016	.3621	.0348	-.0036	.0230	.0021	-.0008

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**9.631**	**48.63**	**42.85**	**22.17**	**30.24**	**276.6**	**.2258**	**-.0007**
Stddev	.005	.18	.14	.14	.02	.9	.0097	.0000
%RSD	.0517	.3727	.3347	.6507	.0589	.3190	4.295	4.699
#1	9.627	48.50	42.75	22.07	30.23	275.9	.2327	-.0007
#2	9.635	48.76	42.95	22.28	30.26	277.2	.2190	-.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0047**	**29.01**	**-.0047**	**.2637**	**.0038**	**-.0235**	**-.0066**	**166.2**
Stddev	.0003	.01	.0013	.0001	.0001	.0002	.0000	.2
%RSD	6.264	.0495	27.88	.0546	3.823	1.035	.4624	.1198
#1	-.0049	29.03	-.0056	.2636	.0039	-.0233	-.0067	166.1
#2	-.0045	29.00	-.0038	.2638	.0037	-.0237	-.0066	166.4

Elem	Bi2230	Li6707
Avg	**-.0161**	**.0459**
Stddev	.0009	.0001
%RSD	5.628	.2781
#1	-.0167	.0458
#2	-.0154	.0460

Zoom In Zoom Out

Sample Name: jb67498-1 Acquired: 6/2/2014 17:29:46 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**181020.**	**36440.**	**2434.5**	**6004.5**
Stddev	132.	236.	1.3	9.2
%RSD	.07305	.64701	.05153	.15306
#1	181120.	36606.	2433.6	6011.0
#2	180930.	36273.	2435.4	5998.0

Zoom In Zoom Out

Sample Name: jb67498-4 Acquired: 6/2/2014 17:35:56 Type: Unk
Method: Accutest1(v88) 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	**.0116**	**.0360**	**.0019**	**.3872**	**.0720**	**.0426**	**2.920**	**.1424**	**-.0025**
Stddev	.0005	.0003	.0002	.0019	.0004	.0006	.003	.0006	.0020
%RSD	4.404	.9333	11.34	.4914	.5212	1.379	.1003	.4049	77.79
#1	.0112	.0357	.0021	.3886	.0717	.0422	2.918	.1420	-.0011
#2	.0119	.0362	.0018	.3859	.0722	.0430	2.922	.1428	-.0039

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**1.452**	**.0744**	**-.0048**	**.0276**	**.0097**	**.0125**	**81.02**	**43.50**
Stddev	.0005	.004	.0016	.0066	.0044	.0043	.0087	.21	.03
%RSD	9.654	.3086	2.161	137.4	15.95	45.01	69.90	.2563	.0683
#1	.0056	1.455	.0733	-.0095	.0307	.0066	.0187	80.87	43.48
#2	.0049	1.449	.0756	-.0001	.0245	.0127	.0063	81.17	43.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.72**	**24.13**	**11.21**	**1013.**	**.5896**	**-.0113**	**.0134**	**35.81**	**-.0038**
Stddev	.03	.13	.03	4.	.0274	.0006	.0022	.09	.0024
%RSD	.1046	.5264	.3109	.3518	4.650	4.879	16.31	.2621	63.04
#1	24.70	24.04	11.23	1015.	.6090	-.0109	.0119	35.87	-.0021
#2	24.74	24.22	11.18	1010.	.5703	-.0117	.0150	35.74	-.0055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4181**	**.0057**	**-.1659**	**-.0486**	F **1178.**	**-.0227**	**.0575**
Stddev	.0011	.0015	.0050	.0004	3.	.0079	.0092
%RSD	.2517	26.18	3.007	.7407	.2141	34.99	16.04
#1	.4174	.0046	-.1624	-.0484	1180.	-.0283	.0640
#2	.4189	.0067	-.1695	-.0489	1177.	-.0171	.0510

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169760.**	**33590.**	**2332.6**	**6192.3**
Stddev	180.	34.	7.1	20.8
%RSD	.10582	.10120	.30253	.33576
#1	169880.	33566.	2327.6	6177.6
#2	169630.	33614.	2337.6	6207.0

Zoom In Zoom Out

Sample Name: jb67938-2 Acquired: 6/2/2014 17:42:01 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**-.0009**	**-.0002**	**.0060**	**.0042**	**.0219**	**1.083**	**.0939**	**.0988**
Stddev	.0008	.0001	.0129	.0004	.0031	.199	.0162	.0010
%RSD	94.55	34.46	212.5	9.223	13.92	18.34	17.23	1.020
#1	-.0003	-.0002	.0151	.0040	.0241	1.223	.1053	.0981
#2	-.0015	-.0003	-.0030	.0045	.0198	.9422	.0824	.0995

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0032**	**.0156**	**.2893**	**3.924**	F **-.0437**	**.0752**	**.3296**	**.0388**
Stddev	.0013	.0010	.0052	.001	.0036	.0014	.0015	.0004
%RSD	42.36	6.681	1.784	.0266	8.183	1.924	.4483	.9548
#1	-.0022	.0163	.2856	3.923	-.0412	.0762	.3306	.0391
#2	-.0041	.0148	.2929	3.924	-.0462	.0741	.3285	.0386

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0232**	**.0396**	**.2908**	**.1043**	**1705.**	**294.6**	**149.5**	**.0740**
Stddev	.0160	.0281	.2422	.0049	20.	3.2	.2	.0005
%RSD	68.99	70.95	83.29	4.704	1.147	1.085	.1639	.7089
#1	.0345	.0595	.1196	.1077	1719.	296.8	149.3	.0743
#2	.0119	.0197	.4621	.1008	1691.	292.3	149.7	.0736

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0052**	**1.088**	**.1439**	**.0008**	**-.0024**	**-.1316**	**-.0019**	**4.197**
Stddev	.0006	.005	.0043	.0000	.0018	.0007	.0009	.006
%RSD	11.36	.4512	2.983	3.149	76.33	.5181	49.67	.1515
#1	.0056	1.092	.1470	.0008	-.0037	-.1312	-.0012	4.193
#2	.0047	1.085	.1409	.0009	-.0011	-.1321	-.0025	4.202

Elem	Bi2230	Li6707
Avg	**-.0128**	**.0150**
Stddev	.0008	.0021
%RSD	6.317	13.89
#1	-.0133	.0165
#2	-.0122	.0135

Zoom In Zoom Out

Sample Name: jb67938-2 Acquired: 6/2/2014 17:42:01 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**33050.**	**2080.2**	**6055.8**
Stddev	-----	419.	4.1	19.7
%RSD	-----	1.2669	.19837	.32450
#1	-----	32753.	2083.2	6069.7
#2	160870.	33346.	2077.3	6041.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 17:48:04 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.055**	**1.985**	**1.980**	**1.990**	**1.941**	**2.086**	**2.037**	**.2424**
Stddev	.011	.008	.003	.001	.001	.002	.001	.001	.0001
%RSD	.5243	.3804	.1382	.0317	.0576	.1245	.0325	.0611	.0316
#1	1.994	2.049	1.987	1.980	1.990	1.942	2.087	2.038	.2423
#2	2.009	2.060	1.983	1.979	1.991	1.939	2.086	2.036	.2424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.097**	**2.040**	**1.989**	**2.070**	**2.043**	**1.986**	**1.960**	**38.95**	**40.19**
Stddev	.000	.001	.005	.000	.003	.005	.006	.15	.10
%RSD	.0195	.0418	.2411	.0201	.1286	.2682	.3229	.3798	.2600
#1	2.097	2.040	1.992	2.070	2.045	1.989	1.965	38.85	40.11
#2	2.097	2.041	1.986	2.069	2.041	1.982	1.956	39.06	40.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.70**	**40.78**	**39.52**	**40.14**	**1.956**	**2.031**	**1.870**	**4.980**	**2.034**
Stddev	.13	.04	.21	.25	.005	.003	.002	.013	.000
%RSD	.3237	.0896	.5244	.6173	.2660	.1627	.1023	.2669	.0186
#1	40.60	40.76	39.37	39.97	1.959	2.033	1.871	4.990	2.034
#2	40.79	40.81	39.66	40.32	1.952	2.029	1.868	4.971	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: ccv Acquired: 6/2/2014 17:48:04 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.056**	**2.002**	**1.944**	**1.958**	**2.001**	**1.983**	**1.997**
Stddev	.008	.001	.002	.002	.005	.006	.014
%RSD	.3951	.0650	.1133	.0848	.2602	.3296	.7183
#1	2.050	2.003	1.943	1.959	2.004	1.987	1.987
#2	2.062	2.002	1.946	1.957	1.997	1.978	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**165920.**	**32797.**	**2244.2**	**6109.5**
Stddev	297.	149.	6.6	12.6
%RSD	.17910	.45570	.29274	.20691
#1	166130.	32902.	2239.5	6100.6
#2	165710.	32691.	2248.8	6118.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 17:53:54 Type: QC
Method: Accutest1(v88) 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**	**.0000**	**.0000**	**-.0015**	**.0001**	**.0001**
Stddev	.000	.0000	.0001	.0001	.0001	.0001	.0000	.0000
%RSD	332.3	40.55	126.8	139.6	341.3	7.303	1.273	16.30
#1	.0000	.0001	.0002	.0000	.0001	-.0016	.0001	.0001
#2	-.0001	.0001	.0000	.0001	-.0001	-.0014	.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	**-.0002**	**.0002**	**.0004**	**.0007**	**.0005**	**.0006**	**-.0007**	**.0018**
Stddev	.0001	.0001	.0001	.0003	.0014	.0002	.0011	.0007
%RSD	47.40	26.61	30.81	41.01	265.6	28.85	152.3	38.11
#1	-.0003	.0003	.0003	.0005	.0015	.0007	-.0015	.0023
#2	-.0002	.0002	.0005	.0009	-.0005	.0005	.0001	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0100**	**-.0057**	**.0019**	**-.0059**	**.0562**	**.0320**	W **.0337**	**-.0001**
Stddev	.0041	.0002	.0016	.0214	.0042	.0008	.0015	.0001
%RSD	41.05	4.211	84.57	364.8	7.469	2.544	4.317	122.0
#1	-.0071	-.0055	.0030	.0092	.0592	.0314	.0347	.0000
#2	-.0129	-.0058	.0007	-.0210	.0532	.0325	.0326	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0100	
Low Limit							-.0100	

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 17:53:54 Type: QC
Method: Accutest1(v88) 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**	**.0036**	**.0003**	**.0002**	**.0004**	**-.0103**	**-.0003**	**.0000**
Stddev	.0009	.0008	.0001	.0000	.0002	.0003	.0001	.0006
%RSD	175.8	20.99	42.58	2.855	63.85	2.903	46.10	2595.
#1	.0012	.0031	.0004	.0002	.0006	-.0101	-.0002	.0005
#2	-.0001	.0042	.0002	.0002	.0002	-.0105	-.0004	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0015**	**.0021**
Stddev	.0002	.0004
%RSD	14.77	16.92
#1	-.0017	.0019
#2	-.0014	.0024
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	**172420.**	**33893.**	**2335.3**	**6439.2**
Stddev	729.	81.	7.2	7.7
%RSD	.42291	.23878	.30936	.11965
#1	171900.	33836.	2340.4	6444.7
#2	172940.	33951.	2330.2	6433.8

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 17:59:58 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**-.0014**	**.0000**	**-.0004**	**-.0002**
Stddev	.000	.0000	.0000	.0001	.0002	.0001	.0000	.0003	.0001
%RSD	177.0	890.6	4.524	317.1	74.03	3.891	30.91	68.95	49.62
#1	-.0001	.0000	-.0001	.0001	.0001	-.0013	.0000	-.0002	-.0003
#2	.0000	.0000	-.0001	.0000	.0004	-.0014	.0000	-.0006	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0010**	**.0002**	**.0005**	**.0002**	**-.0009**	**.0008**	**-.0006**	**-.0010**
Stddev	.0000	.0001	.0002	.0004	.0010	.0019	.0002	.0030	.0010
%RSD	21.48	7.482	92.80	85.40	429.2	216.1	21.52	493.8	108.1
#1	.0002	.0011	.0001	.0002	.0010	-.0022	.0007	.0015	-.0002
#2	.0002	.0010	.0003	.0007	-.0005	.0005	.0010	-.0027	-.0017

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0009**	**.0061**	**.0392**	**.0198**	**.0271**	**-.0008**	**.0003**	**.0068**	**.0003**
Stddev	.0003	.0174	.0190	.0021	.0004	.0001	.0005	.0002	.0001
%RSD	38.48	283.6	48.50	10.64	1.619	10.32	156.3	2.842	16.88
#1	.0006	-.0062	.0258	.0213	.0274	-.0007	.0000	.0069	.0004
#2	.0011	.0185	.0527	.0183	.0268	-.0008	.0007	.0066	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0149**	**-.0005**	**.0012**	**-.0015**	**.0015**
Stddev	.0000	.0001	.0003	.0002	.0002	.0004	.0001
%RSD	15.66	21.19	2.070	34.10	15.68	27.76	8.606
#1	.0001	.0003	-.0151	-.0006	.0011	-.0012	.0014
#2	.0001	.0002	-.0146	-.0004	.0014	-.0018	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169840.**	**34157.**	**2358.3**	**6490.8**
Stddev	593.	826.	2.0	7.0
%RSD	.34907	2.4177	.08499	.10800
#1	169420.	33573.	2356.9	6495.7
#2	170260.	34741.	2359.7	6485.8

Zoom In Zoom Out

Sample Name: mp79767-ps1 Acquired: 6/2/2014 18:09:11 Type: Unk
Method: Accutest1(v88) 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	**4.319**	**.0901**	**.0902**	**.4393**	**.4710**	**1.277**	**.5470**	**.5210**	**.0641**
Stddev	.014	.0003	.0006	.0013	.0123	.034	.0107	.0003	.0012
%RSD	.3175	.3493	.6690	.2916	2.609	2.673	1.956	.0554	1.903
#1	4.309	.0899	.0898	.4402	.4797	1.301	.5546	.5208	.0649
#2	4.328	.0903	.0907	.4384	.4623	1.253	.5395	.5213	.0632

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4773**	**.7891**	**3.497**	**.0517**	**.1515**	**.9001**	**.4731**	**4.353**	**85.47**
Stddev	.0113	.0008	.008	.0090	.0000	.0142	.0006	.032	.13
%RSD	2.376	.1057	.2292	17.38	.0275	1.581	.1286	.7296	.1569
#1	.4853	.7885	3.503	.0580	.1515	.8900	.4726	4.331	85.38
#2	.4693	.7897	3.491	.0453	.1515	.9101	.4735	4.376	85.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.084**	**85.96**	**1620.**	**350.6**	**132.1**	**.5455**	**.0043**	**.9703**	**.5533**
Stddev	.012	.02	6.	.9	.2	.0000	.0013	.0026	.0017
%RSD	.2388	.0206	.3617	.2652	.1626	.0064	29.63	.2673	.3029
#1	5.076	85.97	1616.	349.9	132.0	.5455	.0052	.9684	.5521
#2	5.093	85.95	1624.	351.2	132.3	.5454	.0034	.9721	.5545

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4496**	**.4602**	**-.1150**	**.0123**	**3.683**	**-.0159**	**.0117**
Stddev	.0007	.0115	.0035	.0015	.007	.0028	.0029
%RSD	.1457	2.489	3.059	12.14	.1801	17.84	24.67
#1	.4492	.4683	-.1126	.0133	3.679	-.0139	.0138
#2	.4501	.4521	-.1175	.0112	3.688	-.0179	.0097

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160150.**	**32788.**	**2111.2**	**6056.4**
Stddev	3139.	152.	1.2	7.7
%RSD	1.9600	.46340	.05779	.12657
#1	157930.	32895.	2112.1	6061.8
#2	162370.	32680.	2110.4	6051.0

Zoom In Zoom Out

Sample Name: jb67379-9a Acquired: 6/2/2014 18:15:04 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.3392**	**.0007**	**-.0057**	**.7959**	**194.8**	**.3100**	**7.630**	**4.339**
Stddev	.0026	.0001	.0007	.0086	10.8	.0228	.526	.052
%RSD	.7570	22.18	12.63	1.079	5.536	7.366	6.891	1.208
#1	.3411	.0005	-.0052	.8019	187.2	.2938	7.258	4.376
#2	.3374	.0008	-.0062	.7898	202.4	.3261	8.002	4.302

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0005**	**2.879**	**1.442**	F **-.0505**	**.0150**	**.0930**	**-.0038**	**.1478**
Stddev	.0131	.191	.004	.0780	.0083	.0036	.0150	.0834
%RSD	2808.	6.648	.2468	154.7	55.09	3.837	392.6	56.43
#1	.0098	2.744	1.445	-.1057	.0208	.0955	.0068	.2068
#2	-.0088	3.015	1.440	.0047	.0091	.0905	-.0144	.0888

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**207.0**	**1942.**	**430.4**	**293.4**	**1.494**	**9.253**	**.2807**	**-.0002**
Stddev	1.0	7.	1.4	1.2	.009	.074	.0014	.0002
%RSD	.4777	.3531	.3210	.4078	.5900	.7980	.5042	132.0
#1	207.7	1947.	431.4	294.2	1.488	9.305	.2817	.0000
#2	206.3	1938.	429.5	292.6	1.501	9.201	.2797	-.0003

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0202**	**2.866**	**-.0075**	**.9851**	**6.035**	**-.0550**	F **-.1040**	**16.64**
Stddev	.0054	.079	.0018	.0056	.416	.0012	.0100	.25
%RSD	26.78	2.764	24.28	.5649	6.889	2.116	9.615	1.501
#1	.0241	2.922	-.0088	.9891	5.741	-.0558	-.0969	16.81
#2	.0164	2.810	-.0062	.9812	6.329	-.0542	-.1111	16.46

Elem	Bi2230	Li6707
Avg	**.0638**	**.0822**
Stddev	.0157	.0007
%RSD	24.55	.8545
#1	.0749	.0817
#2	.0528	.0826

Zoom In Zoom Out

Sample Name: jb67379-9a Acquired: 6/2/2014 18:15:04 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160170.**	**31898.**	**2029.1**	**5813.3**
Stddev	8929.	69.	19.5	51.2
%RSD	5.5750	.21669	.96297	.88016
#1	166480.	31849.	2015.2	5777.2
#2	153850.	31947.	2042.9	5849.5

Zoom In Zoom Out

Sample Name: jb67379-17a Acquired: 6/2/2014 18:21:09 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.649**	**.0049**	**.0283**	**.0761**	**.4113**	**1.903**	**8.604**	**.2005**	**.0046**
Stddev	.012	.0000	.0002	.0002	.0001	.004	.039	.0001	.0021
%RSD	.2192	.2100	.6543	.3116	.0343	.2008	.4478	.0429	46.30
#1	5.640	.0049	.0284	.0760	.4112	1.906	8.632	.2005	.0031
#2	5.658	.0049	.0281	.0763	.4114	1.900	8.577	.2004	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2626**	**16.50**	**.1991**	**.0187**	F **29.97**	**-.0030**	**.0425**	**58.83**	**112.6**
Stddev	.0005	.01	.0004	.0003	.00	.0000	.0014	.18	.9
%RSD	.1966	.0450	.2159	1.619	.0090	1.493	3.280	.3042	.7841
#1	.2622	16.50	.1994	.0189	29.97	-.0030	.0415	58.70	111.9
#2	.2630	16.51	.1988	.0185	29.97	-.0031	.0435	58.95	113.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**318.2**	**41.29**	**10.92**	**4.181**	**.1267**	**.0164**	**.0222**	**4.253**	**1.176**
Stddev	5.0	.19	.04	.023	.0010	.0003	.0009	.005	.003
%RSD	1.577	.4539	.3506	.5494	.7503	1.576	4.083	.1301	.2468
#1	314.7	41.15	10.89	4.164	.1274	.0166	.0216	4.257	1.178
#2	321.8	41.42	10.95	4.197	.1260	.0163	.0229	4.249	1.174

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6071**	**5.157**	**.0753**	**.0517**	**20.39**	**.0251**	**.0999**
Stddev	.0016	.000	.0015	.0003	.08	.0012	.0007
%RSD	.2689	.0010	2.014	.5799	.3698	4.584	.7300
#1	.6059	5.157	.0742	.0515	20.44	.0260	.0994
#2	.6082	5.157	.0764	.0519	20.33	.0243	.1005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170370.**	**33186.**	**2265.8**	**6199.0**
Stddev	126.	100.	5.1	5.9
%RSD	.07400	.30156	.22461	.09445
#1	170460.	33256.	2262.2	6194.9
#2	170290.	33115.	2269.4	6203.2

Zoom In Zoom Out

Sample Name: mbconf Acquired: 6/2/2014 18:27:25 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0004**	**-.0017**	**.0005**	**-.0003**	**-.0001**
Stddev	.0001	.0000	.000	.000	.0002	.0001	.0001	.0002	.0001
%RSD	50.32	36.39	917.8	108000.	41.41	4.468	11.26	55.92	98.97
#1	.0001	.0000	.0001	.0001	.0005	-.0017	.0005	-.0002	-.0002
#2	.0002	-.0001	-.0001	-.0001	.0003	-.0016	.0005	-.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0015**	**.0001**	**.0007**	**.0011**	**.0002**	**.0006**	**-.0082**	**.0014**
Stddev	.0001	.0001	.0006	.0004	.0006	.0005	.0005	.0014	.0015
%RSD	79.64	7.138	550.5	63.62	56.71	246.6	86.65	16.63	105.0
#1	.0001	.0016	-.0003	.0004	.0006	-.0002	.0002	-.0092	.0025
#2	.0002	.0015	.0005	.0010	.0015	.0006	.0009	-.0073	.0004

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0170**	**-.0077**	**-.0099**	**.0147**	**.0175**	**-.0008**	**-.0002**	**.0033**	**.0005**
Stddev	.0000	.0051	.0206	.0001	.0002	.0002	.0005	.0002	.0006
%RSD	.0126	66.43	207.5	.7976	1.227	18.95	285.0	6.028	129.8
#1	.0170	-.0113	.0046	.0148	.0176	-.0009	.0002	.0034	.0009
#2	.0170	-.0041	-.0245	.0146	.0173	-.0007	-.0005	.0031	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**-.0170**	**-.0007**	**.0001**	**-.0021**	**.0011**
Stddev	.0000	.0000	.0003	.0001	.0015	.0001	.0003
%RSD	1.905	7.558	1.588	10.40	1315.	5.244	32.63
#1	.0001	.0007	-.0172	-.0006	.0012	-.0020	.0008
#2	.0001	.0006	-.0168	-.0007	-.0009	-.0022	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172510.**	**33457.**	**2349.8**	**6474.1**
Stddev	96.	1539.	8.7	25.2
%RSD	.05545	4.6008	.36882	.38934
#1	172440.	34546.	2343.7	6456.3
#2	172570.	32369.	2355.9	6492.0

Zoom In Zoom Out

Sample Name: mp79780-mb1 1 Acquired: 6/2/2014 18:33:29 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**-.0002**	**.0001**	**.0000**	**-.0014**	**.0000**	**.0003**	**-.0002**
Stddev	.0000	.0000	.0000	.0001	.0000	.0001	.0000	.0002	.0000
%RSD	27.79	8.821	18.49	89.41	74.05	4.942	24.62	58.10	1.126
#1	.0002	-.0001	-.0002	.0000	.0000	-.0013	.0000	.0005	-.0002
#2	.0001	-.0001	-.0002	.0002	.0001	-.0014	.0001	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0022**	**.0010**	**.0033**	**.0003**	**-.0025**	**-.0009**	**-.0005**	**.0122**
Stddev	.0000	.0003	.0006	.0004	.0006	.0001	.0003	.0042	.0079
%RSD	5.277	11.62	62.56	11.73	228.8	3.522	36.09	915.5	64.33
#1	.0003	.0024	.0014	.0036	.0007	-.0026	-.0011	-.0034	.0067
#2	.0003	.0020	.0005	.0031	-.0002	-.0025	-.0007	.0025	.0178

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0025**	**-.0013**	**-.0325**	**.0149**	**.0131**	**-.0011**	**.0001**	**.0032**	**-.0001**
Stddev	.0013	.0192	.0061	.0097	.0001	.0002	.0001	.0005	.0005
%RSD	52.54	1455.	18.85	64.91	.5553	14.94	107.1	15.58	433.5
#1	.0034	-.0149	-.0369	.0081	.0132	-.0012	.0001	.0029	-.0005
#2	.0015	.0122	-.0282	.0218	.0131	-.0010	.0000	.0036	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0190**	**-.0009**	**.0021**	**.0005**	**.0018**
Stddev	.0000	.0004	.0004	.0001	.0000	.0012	.0002
%RSD	82.24	317.4	2.202	5.771	1.719	244.7	10.84
#1	.0001	.0004	-.0193	-.0009	.0022	.0014	.0017
#2	.0000	-.0002	-.0187	-.0010	.0021	-.0004	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**174310.**	**33391.**	**2318.2**	**6486.4**
Stddev	8.	389.	2.2	3.0
%RSD	.00464	1.1664	.09406	.04693
#1	174310.	33667.	2319.7	6488.5
#2	174320.	33116.	2316.7	6484.2

Zoom In Zoom Out

Sample Name: mp79780-lc1 Acquired: 6/2/2014 18:39:31 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4573**	**.4643**	**.5087**	**.4816**	**.4966**	**.4576**	**.5215**	**.5141**	**.1961**
Stddev	.0586	.0575	.0030	.0012	.0019	.0049	.0026	.0015	.0006
%RSD	12.81	12.39	.5888	.2489	.3740	1.070	.4943	.3002	.2828
#1	.4987	.5050	.5066	.4807	.4953	.4541	.5197	.5130	.1965
#2	.4159	.4236	.5108	.4824	.4980	.4611	.5234	.5152	.1957

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4960**	**.5501**	**.5080**	**.5288**	**.5175**	**.5455**	**.4946**	**4.572**	**5.137**
Stddev	.0018	.0011	.0024	.0113	.0004	.0024	.0048	.580	.612
%RSD	.3694	.2086	.4817	2.137	.0788	.4429	.9803	12.67	11.91
#1	.4973	.5509	.5097	.5368	.5172	.5438	.4912	4.982	5.570
#2	.4947	.5493	.5062	.5208	.5178	.5472	.4980	4.163	4.705

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.302**	**5.167**	**9.307**	**9.541**	**.0351**	**.4939**	**.0027**	**.0367**	**-.0010**
Stddev	.659	.622	1.201	1.235	.0099	.0012	.0022	.0305	.0000
%RSD	12.44	12.04	12.90	12.95	28.29	.2501	84.28	83.03	.9943
#1	5.768	5.607	10.16	10.41	.0280	.4930	.0042	.0152	-.0010
#2	4.836	4.727	8.458	8.668	.0421	.4948	.0011	.0583	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.5010**	**-.0134**	**-.0006**	**.0010**	**-.0029**	**.0015**
Stddev	.000	.0037	.0020	.0000	.0001	.0002	.0004
%RSD	926.5	.7303	15.10	8.257	8.722	6.455	29.25
#1	-.0002	.4984	-.0148	-.0006	.0011	-.0031	.0018
#2	.0001	.5036	-.0120	-.0006	.0009	-.0028	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172080.**	*****	**2282.0**	**6359.8**
Stddev	1189.	-----	6.1	19.1
%RSD	.69086	-----	.26562	.29993
#1	172920.	33726.	2286.3	6373.3
#2	171240.	-----	2277.7	6346.3

Zoom In Zoom Out

Sample Name: mp79780-s1 Acquired: 6/2/2014 18:45:25 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.750**	**.0443**	**.1151**	**.4376**	**.2355**	**.2510**	**.5904**	**.5104**	**.0454**
Stddev	.015	.0003	.0001	.0009	.0040	.0031	.0092	.0005	.0001
%RSD	.8332	.5862	.0673	.2078	1.712	1.229	1.564	.1018	.1108
#1	1.740	.0441	.1150	.4370	.2326	.2489	.5839	.5100	.0454
#2	1.761	.0444	.1152	.4382	.2383	.2532	.5970	.5107	.0454

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4425**	**.5681**	**1.789**	**1.830**	**.4464**	**1.973**	**.4148**	**5.933**	**41.48**
Stddev	.0061	.0015	.003	.000	.0006	.006	.0002	.037	.41
%RSD	1.384	.2572	.1789	.0030	.1311	.3096	.0498	.6270	.9958
#1	.4381	.5671	1.787	1.830	.4460	1.968	.4146	5.907	41.19
#2	.4468	.5692	1.791	1.830	.4468	1.977	.4149	5.959	41.77

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.836**	**36.12**	**24.37**	**146.2**	**.0711**	**.0081**	**.0020**	**3.680**	**-.0013**
Stddev	.085	.34	.19	1.0	.0006	.0001	.0005	.001	.0011
%RSD	.9608	.9314	.7789	.6585	.8392	.8495	22.39	.0160	87.55
#1	8.775	35.89	24.24	146.9	.0716	.0082	.0024	3.680	-.0005
#2	8.896	36.36	24.50	145.5	.0707	.0081	.0017	3.680	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0882**	**.0151**	**.0126**	**.0003**	**25.29**	**-.0029**	**.0028**
Stddev	.0007	.0004	.0011	.0002	.03	.0005	.0001
%RSD	.7454	2.431	8.384	60.63	.1242	16.11	2.049
#1	.0877	.0148	.0118	.0002	25.32	-.0026	.0028
#2	.0887	.0154	.0133	.0004	25.27	-.0033	.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**165470.**	**33273.**	**2212.4**	**5968.5**
Stddev	2111.	260.	8.3	24.1
%RSD	1.2757	.78071	.37347	.40358
#1	166960.	33456.	2218.2	5985.6
#2	163980.	33089.	2206.5	5951.5

Zoom In Zoom Out

Sample Name: mp79780-s2 Acquired: 6/2/2014 18:51:21 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.709**	**.0432**	**.1119**	**.4251**	**.2304**	**.2271**	**.5800**	**.4944**	**.0443**
Stddev	.014	.0005	.0009	.0029	.0006	.0004	.0000	.0038	.0001
%RSD	.8329	1.128	.8425	.6851	.2401	.1737	.0061	.7676	.2369
#1	1.720	.0436	.1112	.4230	.2308	.2269	.5800	.4917	.0442
#2	1.699	.0429	.1125	.4272	.2300	.2274	.5799	.4971	.0443

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4327**	**.5485**	**1.739**	**1.783**	**.4320**	**1.916**	**.4021**	**5.833**	**40.49**
Stddev	.0004	.0043	.009	.005	.0014	.009	.0024	.054	.41
%RSD	.0910	.7814	.5394	.2652	.3131	.4466	.5931	.9276	1.016
#1	.4330	.5454	1.733	1.780	.4310	1.910	.4004	5.871	40.78
#2	.4325	.5515	1.746	1.787	.4329	1.922	.4038	5.794	40.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.501**	**35.32**	**24.03**	**144.0**	**.0679**	**.0078**	**.0024**	**3.516**	**-.0016**
Stddev	.087	.29	.16	3.4	.0001	.0001	.0001	.025	.0006
%RSD	1.019	.8120	.6615	2.371	.1970	1.283	5.538	.7230	35.86
#1	8.562	35.53	24.14	146.4	.0678	.0079	.0023	3.499	-.0012
#2	8.440	35.12	23.92	141.6	.0680	.0078	.0025	3.534	-.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0867**	**.0139**	**.0115**	**.0002**	**24.63**	**-.0018**	**.0035**
Stddev	.0008	.0002	.0010	.0001	.11	.0003	.0000
%RSD	.9515	1.674	8.348	54.32	.4592	19.33	.1024
#1	.0873	.0141	.0108	.0003	24.55	-.0020	.0035
#2	.0861	.0138	.0122	.0001	24.71	-.0016	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166300.**	**33395.**	**2229.0**	**6019.0**
Stddev	36.	224.	19.9	44.1
%RSD	.02139	.67200	.89125	.73296
#1	166270.	33237.	2243.0	6050.2
#2	166320.	33554.	2214.9	5987.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 18:57:19 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.055**	**1.996**	**1.977**	**1.984**	**1.945**	**2.094**	**2.040**	**.2430**
Stddev	.040	.043	.008	.006	.012	.004	.011	.007	.0004
%RSD	1.978	2.077	.4231	.3012	.5869	.2303	.5102	.3240	.1829
#1	2.034	2.085	1.990	1.972	1.976	1.948	2.087	2.035	.2427
#2	1.977	2.024	2.002	1.981	1.992	1.942	2.102	2.045	.2434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.102**	**2.036**	**1.997**	**2.085**	**2.051**	**1.990**	**1.962**	**38.99**	**40.02**
Stddev	.007	.005	.011	.013	.007	.012	.002	.73	1.00
%RSD	.3449	.2566	.5450	.6432	.3243	.5867	.1042	1.873	2.508
#1	2.097	2.033	1.989	2.076	2.047	1.982	1.960	39.50	40.73
#2	2.107	2.040	2.004	2.094	2.056	1.998	1.963	38.47	39.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.73**	**40.88**	**39.51**	**40.48**	**1.923**	**2.038**	**1.873**	**5.022**	**2.038**
Stddev	.92	1.00	.65	.69	.004	.011	.001	.021	.008
%RSD	2.247	2.449	1.647	1.715	.2263	.5403	.0304	.4208	.3733
#1	41.38	41.59	39.97	40.97	1.920	2.030	1.873	5.007	2.033
#2	40.09	40.17	39.05	39.99	1.926	2.046	1.873	5.037	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 18:57:19 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.065**	**2.016**	**1.947**	**1.972**	**2.019**	**1.998**	**2.004**
Stddev	.038	.007	.010	.007	.011	.009	.034
%RSD	1.847	.3535	.5246	.3485	.5547	.4311	1.678
#1	2.092	2.011	1.939	1.968	2.011	1.992	2.028
#2	2.038	2.021	1.954	1.977	2.027	2.004	1.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**165640.**	**32657.**	**2227.0**	**6075.6**
Stddev	185.	576.	9.6	23.9
%RSD	.11150	1.7629	.43028	.39265
#1	165770.	32250.	2233.8	6092.5
#2	165510.	33064.	2220.2	6058.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 19:03:10 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**-.0001**	**-.0001**	**.0003**	**-.0014**	**.0002**	**.0000**	**-.0002**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.0000	.0002	.0001
%RSD	4.041	2.556	39.89	101.7	78.78	.4155	12.76	456.9	42.53
#1	.0001	.0002	.0000	-.0001	.0001	-.0014	.0002	.0001	-.0002
#2	.0001	.0002	-.0001	.0000	.0004	-.0014	.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	**.0006**	**.0005**	**.0002**	**.0006**	**.0004**	**.0003**	**.0017**	**.0019**	**-.0057**
Stddev	.0001	.0000	.0006	.0006	.0002	.0001	.0002	.0086	.0010
%RSD	9.367	5.257	372.3	91.37	53.84	52.04	11.42	462.6	17.17
#1	.0006	.0004	.0006	.0002	.0003	.0002	.0018	-.0042	-.0064
#2	.0005	.0005	-.0003	.0010	.0006	.0004	.0016	.0080	-.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**-.0016**	**.0224**	**.0300**	**.0086**	**.0001**	**.0000**	**.0042**	**-.0005**
Stddev	.0014	.0064	.0336	.0022	.0003	.0001	.0005	.0003	.0002
%RSD	28.90	405.2	149.6	7.238	3.694	188.0	1580.	7.272	45.92
#1	.0056	.0029	-.0013	.0285	.0083	.0002	-.0003	.0040	-.0003
#2	.0037	-.0061	.0462	.0316	.0088	.0000	.0004	.0045	-.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: 6/2/2014 19:03:10 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0108**	**-.0003**	**-.0011**	**-.0010**	**.0018**
Stddev	.0000	.0001	.0011	.0000	.0013	.0009	.0001
%RSD	2.800	53.14	9.754	4.889	115.9	86.73	6.888
#1	.0003	.0004	-.0101	-.0003	-.0020	-.0004	.0019
#2	.0003	.0002	-.0116	-.0003	-.0002	-.0017	.0017
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	**172280.**	**34034.**	**2323.4**	**6425.3**
Stddev	4180.	801.	16.3	50.1
%RSD	2.4261	2.3541	.70052	.77928
#1	175240.	34601.	2334.9	6460.8
#2	169330.	33468.	2311.8	6389.9

Zoom In Zoom Out

Sample Name: jb67852-1 Acquired: 6/2/2014 19:09:15 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0586**	**.0002**	**.0730**	**.0111**	**.0650**	**.0314**	**.1465**	**.0595**	**.0002**
Stddev	.0004	.0000	.0001	.0001	.0040	.0021	.0088	.0005	.0006
%RSD	.6053	18.96	.1052	.6519	6.206	6.760	5.991	.7751	364.1
#1	.0588	.0002	.0730	.0111	.0679	.0329	.1527	.0598	-.0003
#2	.0583	.0001	.0729	.0110	.0622	.0299	.1403	.0591	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0113**	**.0931**	**.0074**	**.0052**	**.0025**	**-.0042**	**-.0011**	**3.553**	**19.96**
Stddev	.0005	.0005	.0008	.0010	.0002	.0002	.0005	.001	.08
%RSD	4.689	.5277	10.21	19.59	9.636	5.468	49.27	.0130	.4236
#1	.0117	.0935	.0069	.0045	.0023	-.0044	-.0015	3.554	19.90
#2	.0109	.0928	.0080	.0060	.0027	-.0041	-.0007	3.553	20.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.550**	**13.57**	**3.069**	**122.8**	**.0656**	**.0075**	**.0003**	**2.991**	**-.0012**
Stddev	.017	.04	.001	.1	.0005	.0000	.0005	.001	.0007
%RSD	.2267	.3171	.0464	.1030	.8231	.6273	162.4	.0248	62.81
#1	7.538	13.54	3.068	122.8	.0660	.0076	.0000	2.991	-.0007
#2	7.563	13.60	3.070	122.7	.0653	.0075	.0007	2.992	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0867**	**.0129**	**.0109**	**.0009**	**25.10**	**.0000**	**.0032**
Stddev	.0001	.0008	.0011	.0001	.05	.001	.0002
%RSD	.1580	6.223	9.954	16.20	.2151	18150.	7.114
#1	.0868	.0134	.0101	.0010	25.14	-.0003	.0033
#2	.0866	.0123	.0116	.0008	25.06	.0003	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164320.**	**33492.**	**2206.6**	**5979.7**
Stddev	8534.	41.	1.4	8.7
%RSD	5.1933	.12119	.06299	.14595
#1	158290.	33521.	2207.6	5973.5
#2	170360.	33463.	2205.7	5985.9

Zoom In Zoom Out

Sample Name: mp79780-sd1 Acquired: 6/2/2014 19:15:17 Type: Unk
Method: Accutest1(v88) 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	**.0579**	**-.0001**	**.0674**	**.0101**	**.0650**	**.0249**	**.1419**	**.0568**	**.0004**
Stddev	.0001	.0000	.0005	.0005	.0006	.0011	.0009	.0019	.0004
%RSD	.2436	21.22	.7976	4.975	.9323	4.366	.6470	3.373	123.5
#1	.0578	-.0001	.0670	.0098	.0646	.0241	.1413	.0554	.0000
#2	.0580	-.0001	.0677	.0105	.0654	.0257	.1426	.0581	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0116**	**.1122**	**.0058**	**.0039**	**.0067**	**-.0067**	**.0054**	**3.462**	**19.75**
Stddev	.0011	.0008	.0018	.0041	.0007	.0024	.0019	.037	.19
%RSD	9.694	.6685	31.89	104.8	9.941	35.76	35.49	1.067	.9733
#1	.0124	.1117	.0045	.0068	.0071	-.0083	.0041	3.488	19.89
#2	.0108	.1127	.0071	.0010	.0062	-.0050	.0068	3.436	19.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.464**	**13.08**	**3.000**	**118.8**	**.0911**	**.0046**	**-.0051**	**2.823**	**-.0019**
Stddev	.084	.13	.009	1.0	.0011	.0002	.0022	.025	.0006
%RSD	1.128	.9859	.2902	.8102	1.200	3.444	42.71	.8864	29.20
#1	7.524	13.18	2.993	119.4	.0903	.0047	-.0066	2.806	-.0023
#2	7.405	12.99	3.006	118.1	.0918	.0045	-.0035	2.841	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0845**	**.0129**	**-.0538**	**-.0020**	**22.58**	**-.0042**	**.0078**
Stddev	.0005	.0008	.0006	.0000	.25	.0031	.0037
%RSD	.6192	5.996	1.142	.1589	1.125	73.01	46.84
#1	.0849	.0135	-.0542	-.0020	22.40	-.0020	.0104
#2	.0841	.0124	-.0534	-.0020	22.76	-.0064	.0052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170980.**	**34094.**	**2292.0**	**6347.0**
Stddev	1456.	205.	15.3	52.6
%RSD	.85134	.60147	.66790	.82929
#1	172010.	33949.	2302.8	6384.2
#2	169950.	34239.	2281.2	6309.7

Zoom In Zoom Out

Sample Name: jb67852-2 Acquired: 6/2/2014 19:21:17 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0108**	**.0000**	**.0012**	**.0015**	**.0185**	**.0048**	**.0898**	**.0102**	**-.0015**
Stddev	.0003	.000	.0001	.0001	.0027	.0025	.0116	.0005	.0021
%RSD	2.489	54.28	5.928	7.635	14.68	52.93	12.96	4.624	140.7
#1	.0106	.0000	.0012	.0014	.0204	.0066	.0981	.0098	-.0030
#2	.0110	-.0001	.0013	.0016	.0166	.0030	.0816	.0105	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0060**	**.0142**	**.0059**	**.0026**	**.0031**	**-.0009**	**.0001**	**.4061**	**21.60**
Stddev	.0005	.0010	.0004	.0001	.0006	.0030	.0005	.0102	.35
%RSD	8.967	6.789	6.467	3.351	18.00	349.5	528.4	2.522	1.617
#1	.0064	.0135	.0056	.0025	.0035	-.0030	.0005	.3989	21.35
#2	.0056	.0148	.0061	.0027	.0027	.0013	-.0003	.4134	21.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.276**	**5.383**	**2.449**	**5.140**	**.0515**	**.0127**	**.0010**	**1.868**	**-.0014**
Stddev	.061	.070	.040	.068	.0003	.0001	.0007	.022	.0003
%RSD	1.418	1.304	1.637	1.316	.6541	.9048	72.42	1.205	22.65
#1	4.233	5.333	2.421	5.092	.0513	.0126	.0005	1.852	-.0012
#2	4.319	5.432	2.477	5.188	.0518	.0127	.0015	1.884	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0803**	**.0065**	**-.0169**	**.0040**	**4.411**	**.0005**	**.0023**
Stddev	.0005	.0009	.0007	.0007	.040	.0004	.0009
%RSD	.6606	14.08	4.143	17.72	.8992	79.72	37.14
#1	.0799	.0071	-.0164	.0045	4.383	.0008	.0029
#2	.0807	.0058	-.0174	.0035	4.439	.0002	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**33640.**	**2282.6**	**6351.5**
Stddev	-----	483.	21.9	54.9
%RSD	-----	1.4358	.95970	.86466
#1	-----	33982.	2298.1	6390.4
#2	164830.	33299.	2267.1	6312.7

Zoom In Zoom Out

Sample Name: jb67852-3 Acquired: 6/2/2014 19:27:17 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0138**	**.0000**	**.0016**	**.0010**	**.0175**	**.0139**	**.0511**	**.0085**	**.0000**
Stddev	.0001	.000	.0001	.0003	.0005	.0006	.0015	.0002	.0001
%RSD	.5027	68.91	5.230	25.32	3.062	4.026	3.025	2.124	284.8
#1	.0138	.0000	.0015	.0008	.0178	.0143	.0522	.0084	.0000
#2	.0137	.0000	.0016	.0012	.0171	.0135	.0500	.0086	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0068**	**.0357**	**.0066**	**.0018**	**.0061**	**-.0017**	**-.0012**	**1.959**	**5.704**
Stddev	.0001	.0004	.0007	.0009	.0003	.0029	.0007	.020	.073
%RSD	2.141	1.010	10.12	48.87	5.278	166.6	53.86	1.014	1.280
#1	.0069	.0354	.0070	.0012	.0059	.0003	-.0008	1.973	5.755
#2	.0067	.0359	.0061	.0024	.0064	-.0038	-.0017	1.945	5.652

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.427**	**1.259**	**1.669**	**15.09**	**.0194**	**.0056**	**.0007**	**3.144**	**-.0012**
Stddev	.086	.023	.013	.16	.0006	.0003	.0000	.075	.0001
%RSD	1.015	1.810	.8005	1.031	3.339	4.684	1.572	2.372	11.23
#1	8.488	1.275	1.678	15.20	.0190	.0054	.0007	3.092	-.0013
#2	8.367	1.243	1.659	14.98	.0199	.0058	.0007	3.197	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0369**	**.0145**	**-.0156**	**.0040**	**1.763**	**.0010**	**.0014**
Stddev	.0003	.0003	.0012	.0002	.043	.0004	.0001
%RSD	.9070	2.282	7.862	5.991	2.431	38.94	6.960
#1	.0371	.0147	-.0164	.0042	1.733	.0013	.0014
#2	.0366	.0143	-.0147	.0038	1.794	.0007	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171140.**	**33156.**	**2286.0**	**6366.3**
Stddev	4463.	252.	52.1	114.5
%RSD	2.6081	.75887	2.2808	1.7983
#1	167980.	32978.	2322.9	6447.2
#2	174290.	33334.	2249.1	6285.3

Zoom In Zoom Out

Sample Name: jb67852-4 Acquired: 6/2/2014 19:33:15 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0722**	**-.0001**	**-.0002**	**.0004**	**.0030**	**.0039**	**.3372**	**.0038**	**-.0002**
Stddev	.0007	.0000	.0000	.0002	.0000	.0004	.0065	.0006	.0002
%RSD	.9162	4.220	22.11	46.74	.5061	9.831	1.939	15.98	110.7
#1	.0727	-.0001	-.0002	.0006	.0030	.0041	.3418	.0034	-.0003
#2	.0718	-.0001	-.0001	.0003	.0030	.0036	.3326	.0042	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**.0067**	**.0017**	**.0023**	**.0020**	**-.0041**	**.0003**	**.2046**	**21.24**
Stddev	.0001	.0000	.0003	.0004	.0005	.0002	.0001	.0071	.15
%RSD	6.967	.7080	15.71	17.11	22.75	5.069	21.92	3.455	.6934
#1	.0013	.0067	.0019	.0025	.0017	-.0043	.0003	.2096	21.34
#2	.0011	.0067	.0015	.0020	.0024	-.0040	.0003	.1996	21.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**65.94**	**3.709**	**5.584**	**32.32**	**.0308**	**.0040**	**.0061**	**1.730**	**-.0019**
Stddev	.49	.009	.023	.28	.0000	.0003	.0006	.019	.0008
%RSD	.7441	.2324	.4176	.8706	.1342	6.447	9.830	1.086	40.18
#1	66.28	3.703	5.600	32.52	.0308	.0038	.0065	1.717	-.0014
#2	65.59	3.715	5.567	32.12	.0309	.0042	.0057	1.744	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0716**	**.0035**	**-.0149**	**-.0009**	**.2017**	**.0026**	**.0031**
Stddev	.0006	.0001	.0002	.0002	.0017	.0003	.0000
%RSD	.8431	3.739	1.471	16.39	.8183	12.06	.3655
#1	.0720	.0034	-.0148	-.0011	.2005	.0024	.0031
#2	.0712	.0036	-.0151	-.0008	.2029	.0029	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168050.**	**33585.**	**2248.9**	**6281.7**
Stddev	2664.	327.	20.7	48.5
%RSD	1.5852	.97387	.92144	.77195
#1	166170.	33354.	2263.6	6316.0
#2	169940.	33817.	2234.2	6247.4

Zoom In Zoom Out

Sample Name: jb67852-5 Acquired: 6/2/2014 19:39:14 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0046**	**-.0001**	**-.0002**	**.0001**	**.0011**	**.0001**	**.0808**	**.0025**	**-.0002**
Stddev	.0002	.0000	.0001	.0001	.0002	.0002	.0019	.0000	.0003
%RSD	3.903	15.28	29.67	72.61	16.31	192.6	2.411	.2644	156.5
#1	.0048	-.0001	-.0001	.0002	.0009	.0003	.0822	.0025	-.0004
#2	.0045	-.0001	-.0002	.0001	.0012	.0000	.0794	.0025	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0050**	**.0018**	**.0021**	**.0015**	**-.0030**	**-.0007**	**.0524**	**29.83**
Stddev	.0000	.0003	.0000	.0007	.0003	.0007	.0003	.0067	.95
%RSD	7.116	6.329	2.276	30.42	22.69	23.38	37.67	12.75	3.191
#1	.0006	.0052	.0017	.0026	.0012	-.0025	-.0009	.0476	29.16
#2	.0007	.0048	.0018	.0017	.0017	-.0034	-.0005	.0571	30.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.026**	**3.725**	**5.071**	**8.358**	**.0224**	**.0003**	**.0011**	**1.803**	**-.0016**
Stddev	.237	.125	.131	.294	.0009	.0000	.0001	.016	.0007
%RSD	3.375	3.355	2.585	3.513	4.117	11.78	10.47	.8972	42.01
#1	6.858	3.637	4.978	8.151	.0231	.0002	.0011	1.815	-.0011
#2	7.194	3.814	5.164	8.566	.0218	.0003	.0010	1.792	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1627**	**.0010**	**-.0165**	**-.0010**	**1.345**	**.0010**	**.0012**
Stddev	.0056	.0004	.0004	.0001	.007	.0002	.0000
%RSD	3.414	41.53	2.515	7.208	.5561	25.14	.0256
#1	.1588	.0007	-.0167	-.0010	1.350	.0008	.0012
#2	.1667	.0013	-.0162	-.0009	1.340	.0012	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171650.**	**33720.**	**2257.5**	**6293.2**
Stddev	4350.	949.	15.4	44.0
%RSD	2.5343	2.8131	.68223	.69870
#1	168570.	34391.	2246.6	6262.1
#2	174720.	33049.	2268.4	6324.3

Zoom In Zoom Out

Sample Name: jb67852-6 Acquired: 6/2/2014 19:45:12 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0118**	**-.0001**	**.0010**	**.0007**	**.0095**	**.0013**	**.0054**	**.0060**	**-.0002**
Stddev	.0002	.0000	.0001	.0002	.0001	.0002	.0001	.0001	.0001
%RSD	1.386	.1212	7.889	21.21	.8863	13.08	.9296	1.698	52.34
#1	.0116	-.0001	.0010	.0006	.0095	.0012	.0053	.0060	-.0003
#2	.0119	-.0001	.0011	.0008	.0096	.0014	.0054	.0059	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0024**	**.0130**	**.0022**	**.0029**	**.0072**	**-.0012**	**-.0009**	**.6582**	**22.57**
Stddev	.0000	.0001	.0003	.0001	.0004	.0002	.0002	.0018	.12
%RSD	1.382	.3849	13.06	3.025	5.831	17.56	25.19	.2779	.5471
#1	.0024	.0131	.0020	.0028	.0075	-.0011	-.0011	.6595	22.65
#2	.0024	.0130	.0024	.0029	.0069	-.0014	-.0008	.6569	22.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.102**	**3.427**	**3.555**	**37.51**	**.0265**	**.0029**	**.0005**	**1.883**	**-.0014**
Stddev	.004	.056	.005	.11	.0004	.0001	.0003	.017	.0001
%RSD	.2135	1.643	.1328	.2817	1.325	2.040	63.55	.8957	8.211
#1	2.106	3.466	3.558	37.43	.0263	.0030	.0007	1.895	-.0014
#2	2.099	3.387	3.552	37.58	.0268	.0029	.0003	1.871	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1675**	**.0082**	**-.0174**	**.0022**	**2.142**	**.0007**	**.0018**
Stddev	.0001	.0002	.0005	.0000	.007	.0004	.0009
%RSD	.0864	2.000	2.690	2.062	.3114	52.29	49.46
#1	.1674	.0083	-.0178	.0022	2.147	.0009	.0024
#2	.1676	.0081	-.0171	.0021	2.137	.0004	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169060.**	**33949.**	**2267.7**	**6289.5**
Stddev	671.	10.	5.9	16.9
%RSD	.39689	.02922	.26104	.26801
#1	169540.	33956.	2263.5	6277.6
#2	168590.	33942.	2271.9	6301.5

Zoom In Zoom Out

Sample Name: jb67852-7 Acquired: 6/2/2014 19:51:10 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0116**	**-.0001**	**.0000**	**.0005**	**.0049**	**.0429**	**.1035**	**.0049**	**-.0003**
Stddev	.0000	.0000	.0001	.0001	.0002	.0002	.0004	.0002	.0001
%RSD	.1018	26.19	375.2	23.81	3.280	.5670	.3666	3.248	29.85
#1	.0116	-.0001	.0001	.0005	.0048	.0428	.1038	.0050	-.0003
#2	.0116	-.0001	.0000	.0004	.0050	.0431	.1033	.0048	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.1349**	**.0022**	**.0025**	**.0039**	**-.0027**	**-.0008**	**.3574**	**5.731**
Stddev	.0001	.0003	.0005	.0016	.0003	.0011	.0002	.0021	.015
%RSD	10.32	.1947	25.40	62.89	7.499	39.34	23.55	.6012	.2567
#1	.0014	.1351	.0025	.0014	.0037	-.0034	-.0007	.3559	5.741
#2	.0012	.1347	.0018	.0036	.0041	-.0019	-.0010	.3589	5.721

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.148**	**1.395**	**1.502**	**11.48**	**.0246**	**-.0003**	**.0005**	**1.391**	**-.0010**
Stddev	.009	.004	.004	.07	.0007	.0000	.0005	.002	.0001
%RSD	.2880	.2994	.2498	.6055	2.806	11.08	100.9	.1563	12.88
#1	3.154	1.392	1.500	11.53	.0251	-.0004	.0002	1.390	-.0009
#2	3.141	1.398	1.505	11.43	.0241	-.0003	.0009	1.393	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0298**	**.0043**	**-.0177**	**.0001**	**5.642**	**.0005**	**.0015**
Stddev	.0001	.0004	.0000	.0001	.023	.0005	.0002
%RSD	.4542	9.840	.1488	76.95	.4119	101.8	13.80
#1	.0299	.0046	-.0177	.0001	5.625	.0002	.0016
#2	.0297	.0040	-.0177	.0002	5.658	.0009	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**169500.**	**33767.**	**2277.9**	**6378.2**
Stddev	50.	107.	9.4	15.8
%RSD	.02944	.31693	.41342	.24706
#1	169460.	33691.	2284.5	6389.4
#2	169530.	33842.	2271.2	6367.1

Zoom In Zoom Out

Sample Name: jb67938-2 2 Acquired: 6/2/2014 19:57:10 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**-.0002**	**-.0001**	**-.0028**	**.0044**	**.0198**	**.9547**	**.0824**	**.0966**
Stddev	.0008	.0000	.0006	.0001	.0009	.0290	.0015	.0011
%RSD	429.1	25.96	21.32	2.318	4.320	3.041	1.793	1.189
#1	-.0008	-.0002	-.0023	.0043	.0192	.9342	.0813	.0958
#2	.0004	-.0001	-.0032	.0044	.0204	.9753	.0834	.0974

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0037**	**.0152**	**.2950**	**3.899**	F **-.0460**	**.0739**	**.3378**	**.0399**
Stddev	.0017	.0004	.0010	.011	.0054	.0031	.0071	.0019
%RSD	44.93	2.800	.3489	.2911	11.82	4.240	2.089	4.689
#1	-.0026	.0149	.2943	3.891	-.0421	.0717	.3328	.0386
#2	-.0049	.0155	.2958	3.907	-.0498	.0762	.3428	.0412

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0106**	**.0694**	**.4762**	**.1465**	**1707.**	**295.6**	**148.2**	**.0734**
Stddev	.0121	.0043	.0010	.0267	3.	1.4	.4	.0013
%RSD	113.9	6.253	.2010	18.25	.1904	.4635	.2829	1.817
#1	.0191	.0725	.4769	.1276	1705.	294.6	147.9	.0743
#2	.0021	.0663	.4755	.1654	1709.	296.5	148.5	.0724

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0019**	**1.081**	**.1396**	**.0009**	**-.0016**	**-.1286**	**.0146**	**4.190**
Stddev	.0010	.003	.0049	.0001	.0016	.0000	.0006	.010
%RSD	52.19	.2271	3.527	15.70	95.75	.0100	4.073	.2297
#1	.0026	1.079	.1431	.0008	-.0027	-.1286	.0150	4.183
#2	.0012	1.083	.1361	.0009	-.0005	-.1286	.0142	4.197

Elem	Bi2230	Li6707
Avg	**-.0164**	**.0162**
Stddev	.0023	.0004
%RSD	14.07	2.234
#1	-.0148	.0165
#2	-.0180	.0160

Zoom In Zoom Out

Sample Name: jb67938-2 2 Acquired: 6/2/2014 19:57:10 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160090.**	**32991.**	**2084.1**	**6067.5**
Stddev	3323.	55.	4.1	14.3
%RSD	2.0758	.16595	.19617	.23552
#1	162440.	33029.	2087.0	6077.6
#2	157740.	32952.	2081.2	6057.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 20:03:12 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**2.049**	**1.993**	**1.978**	**1.967**	**1.941**	**2.073**	**2.039**	**.2414**
Stddev	.003	.000	.000	.002	.002	.002	.004	.001	.0001
%RSD	.1582	.0196	.0210	.0800	.1213	.0901	.2071	.0399	.0473
#1	2.005	2.050	1.993	1.976	1.966	1.940	2.069	2.038	.2415
#2	2.001	2.049	1.993	1.979	1.969	1.942	2.076	2.040	.2414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.093**	**2.038**	**2.000**	**2.082**	**2.048**	**1.993**	**1.970**	**38.75**	**40.04**
Stddev	.001	.001	.002	.000	.000	.005	.002	.00	.00
%RSD	.0643	.0498	.1031	.0108	.0166	.2348	.1215	.0086	.0063
#1	2.092	2.037	2.001	2.082	2.048	1.996	1.968	38.75	40.04
#2	2.094	2.038	1.998	2.081	2.048	1.990	1.972	38.75	40.04
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	**40.61**	**40.74**	**39.39**	**40.16**	**1.932**	**2.040**	**1.858**	**5.026**	**2.040**
Stddev	.01	.09	.08	.07	.002	.001	.000	.005	.003
%RSD	.0325	.2287	.1935	.1817	.1083	.0598	.0161	.1018	.1349
#1	40.62	40.67	39.45	40.21	1.934	2.041	1.858	5.029	2.042
#2	40.60	40.81	39.34	40.11	1.931	2.039	1.858	5.022	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 20:03:12 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**1.996**	**1.943**	**1.951**	**2.018**	**1.994**	**1.996**
Stddev	.002	.005	.005	.006	.011	.002	.007
%RSD	.1020	.2312	.2650	.3028	.5498	.0947	.3643
#1	2.056	1.992	1.940	1.947	2.026	1.995	2.001
#2	2.053	1.999	1.947	1.955	2.010	1.993	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**166340.**	**32834.**	**2224.2**	**6073.8**
Stddev	509.	56.	3.1	2.4
%RSD	.30606	.17038	.13971	.03893
#1	166700.	32794.	2222.0	6072.1
#2	165980.	32874.	2226.4	6075.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 20:09:03 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0001**	**.0002**	**.0001**	**-.0013**	**.0002**	**.0002**
Stddev	.0002	.0000	.0000	.0002	.0001	.0000	.0000	.0000
%RSD	98.88	14.80	7.096	124.3	80.37	1.803	3.107	14.21
#1	.0003	.0002	.0001	.0003	.0002	-.0013	.0002	.0002
#2	.0000	.0002	.0001	.0000	.0001	-.0013	.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	**.0001**	**.0004**	**.0006**	**.0008**	**.0009**	**.0001**	**-.0015**	**.0012**
Stddev	.0001	.0002	.0000	.0000	.0001	.0003	.0008	.0001
%RSD	76.48	50.21	1.131	3.999	10.21	266.4	51.81	5.785
#1	.0001	.0006	.0006	.0007	.0009	-.0001	-.0009	.0012
#2	.0000	.0003	.0006	.0008	.0008	.0003	-.0020	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0048**	**.0048**	**-.0058**	**.0856**	**.0234**	W **.0141**	**-.0001**
Stddev	.0035	.0012	.0002	.0068	.0148	.0027	.0008	.0001
%RSD	1049.	24.37	4.302	116.6	17.33	11.55	5.504	127.7
#1	.0021	-.0057	.0047	-.0107	.0961	.0253	.0147	.0000
#2	-.0028	-.0040	.0050	-.0010	.0751	.0215	.0136	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0100	
Low Limit							-.0100	

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 20:09:03 Type: QC
Method: Accutest1(v88) 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**	**.0032**	**.0000**	**.0003**	**.0003**	**-.0098**	**-.0003**	**-.0020**
Stddev	.0001	.0000	.0004	.0000	.0001	.0013	.0001	.0008
%RSD	18.01	.1337	871.2	8.542	30.90	13.01	28.92	40.46
#1	.0006	.0032	.0003	.0004	.0004	-.0089	-.0003	-.0015
#2	.0004	.0032	-.0002	.0003	.0002	-.0107	-.0004	-.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0014**	**.0015**
Stddev	.0007	.0003
%RSD	52.14	16.87
#1	-.0019	.0013
#2	-.0009	.0017
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	**170810.**	**33860.**	**2322.7**	**6426.7**
Stddev	477.	220.	2.2	.8
%RSD	.27938	.64839	.09653	.01268
#1	171150.	34016.	2324.3	6426.2
#2	170480.	33705.	2321.1	6427.3

Zoom In Zoom Out

Sample Name: mp79780-lc1 1 Acquired: 6/2/2014 20:15:08 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5210**	**.4968**	**.5228**	**.4606**	**.4637**	**.4948**	**.4925**	**.4881**	**.1964**
Stddev	.0007	.0026	.0053	.0047	.0054	.0080	.0042	.0049	.0021
%RSD	.1381	.5235	1.020	1.027	1.167	1.617	.8553	1.009	1.079
#1	.5215	.4986	.5190	.4573	.4598	.4891	.4895	.4846	.1949
#2	.5205	.4950	.5266	.4640	.4675	.5004	.4955	.4916	.1979

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4846**	**.5026**	**.5288**	**.5436**	**.4980**	**.5768**	**.5403**	**5.052**	**5.104**
Stddev	.0049	.0046	.0055	.0055	.0053	.0061	.0053	.018	.022
%RSD	1.013	.9116	1.043	1.009	1.061	1.054	.9851	.3600	.4272
#1	.4811	.4994	.5249	.5397	.4942	.5725	.5365	5.065	5.119
#2	.4881	.5059	.5327	.5475	.5017	.5811	.5440	5.040	5.088

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.541**	**5.135**	**10.51**	**10.90**	**.0231**	**.5139**	**.0035**	**.0204**	**-.0001**
Stddev	.034	.051	.03	.02	.0004	.0073	.0000	.0006	.0001
%RSD	.6165	.9914	.2850	.2248	1.594	1.411	.7467	3.117	112.9
#1	5.565	5.171	10.53	10.91	.0233	.5088	.0036	.0199	-.0002
#2	5.517	5.099	10.48	10.88	.0228	.5191	.0035	.0208	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4914**	**-.0112**	**.0005**	**-.0003**	**-.0037**	**.0008**
Stddev	.0000	.0053	.0012	.0001	.0021	.0006	.0007
%RSD	53.19	1.078	10.89	13.34	747.4	15.97	88.43
#1	.0000	.4877	-.0103	.0006	.0012	-.0042	.0013
#2	-.0001	.4952	-.0120	.0005	-.0018	-.0033	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	176890.	36257.	2142.3	6385.7
Stddev	2205.	34.	25.7	67.1
%RSD	1.2463	.09248	1.1995	1.0506
#1	178450.	36234.	2160.5	6433.1
#2	175330.	36281.	2124.1	6338.3

Zoom In Zoom Out

Sample Name: jb67852-2 Acquired: 6/2/2014 20:21:01 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0113**	**.0000**	**.0014**	**.0012**	**.0153**	**.0043**	**.0730**	**.0093**	**-.0003**
Stddev	.0001	.0000	.0001	.0001	.0001	.0002	.0001	.0002	.0001
%RSD	.8431	17.85	7.519	8.231	.3296	4.000	.0799	2.092	46.68
#1	.0114	.0000	.0014	.0013	.0153	.0044	.0731	.0091	-.0002
#2	.0112	.0000	.0015	.0011	.0154	.0042	.0730	.0094	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.0131**	**.0060**	**.0026**	**.0025**	**.0028**	**-.0011**	**.4057**	**19.68**
Stddev	.0000	.0001	.0000	.0007	.0010	.0015	.0007	.0042	.03
%RSD	.7391	.6230	.6397	27.46	39.89	53.03	60.60	1.037	.1295
#1	.0052	.0130	.0060	.0021	.0032	.0018	-.0006	.4087	19.66
#2	.0053	.0131	.0061	.0031	.0018	.0039	-.0016	.4027	19.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.115**	**4.818**	**2.596**	**5.441**	**.0573**	**.0140**	**.0012**	**2.035**	**-.0013**
Stddev	.013	.027	.015	.013	.0003	.0001	.0006	.013	.0009
%RSD	.3089	.5511	.5862	.2347	.4894	.5935	48.22	.6448	71.13
#1	4.106	4.799	2.606	5.432	.0571	.0139	.0016	2.025	-.0006
#2	4.124	4.837	2.585	5.450	.0575	.0140	.0008	2.044	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0829**	**.0059**	**-.0151**	**.0035**	**4.548**	**.0012**	**.0017**
Stddev	.0002	.0001	.0003	.0001	.027	.0011	.0004
%RSD	.1819	1.831	2.274	3.970	.5870	90.36	24.05
#1	.0830	.0059	-.0148	.0036	4.529	.0020	.0015
#2	.0828	.0058	-.0153	.0034	4.567	.0004	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	174660.	36156.	2122.5	6378.0
Stddev	67.	171.	15.4	27.5
%RSD	.03863	.47252	.72467	.43129
#1	174610.	36277.	2133.4	6397.4
#2	174710.	36035.	2111.6	6358.5

Zoom In Zoom Out

Sample Name: cri Acquired: 6/2/2014 20:27:07 Type: QC
Method: Accutest1(v88) 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	**.2137**	**.0022**	**.0035**	**.0486**	**.0094**	**.0089**	**.0153**	**.0096**
Stddev	.0003	.0000	.0000	.0003	.0001	.0001	.0002	.0001
%RSD	.1518	.9207	1.293	.6231	.6804	.9913	1.113	.6924
#1	.2135	.0022	.0034	.0484	.0094	.0088	.0152	.0095
#2	.2140	.0022	.0035	.0488	.0095	.0089	.0155	.0096
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	**.0046**	**.0520**	**.0196**	**.0089**	**.0110**	**.0032**	**.0118**	**.0072**
Stddev	.0001	.0009	.0000	.0007	.0011	.0003	.0012	.0002
%RSD	1.793	1.659	.1929	7.908	10.45	9.579	9.973	2.385
#1	.0047	.0514	.0196	.0094	.0118	.0034	.0126	.0073
#2	.0046	.0527	.0196	.0084	.0102	.0030	.0110	.0071
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	**.2068**	**4.744**	**.1053**	**4.991**	**5.365**	**5.512**	**.1094**	**.0212**
Stddev	.0066	.003	.0001	.006	.011	.019	.0005	.0000
%RSD	3.206	.0612	.1008	.1143	.2017	.3432	.4167	.0498
#1	.2115	4.746	.1054	4.987	5.358	5.498	.1091	.0212
#2	.2021	4.742	.1052	4.995	5.373	5.525	.1097	.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/2/2014 20:27:07 Type: QC
Method: Accutest1(v88) 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	**.0543**	**.2323**	**.0104**	**.0114**	**.0106**	**.0470**	**.0100**	**.0513**
Stddev	.0012	.0019	.0008	.0001	.0001	.0013	.0001	.0026
%RSD	2.277	.8061	7.289	.4778	1.174	2.809	.6148	5.067
#1	.0534	.2310	.0109	.0115	.0105	.0461	.0099	.0531
#2	.0552	.2336	.0098	.0114	.0107	.0479	.0100	.0494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0215**	W **.0247**
Stddev	.0008	.0000
%RSD	3.508	.1959
#1	.0209	.0247
#2	.0220	.0248
Check ?	Chk Pass	Chk Warn
Value		.0200
Range		20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	178320.	35905.	2174.7	6408.7
Stddev	2657.	73.	12.8	33.4
%RSD	1.4900	.20456	.58820	.52070
#1	180200.	35957.	2183.8	6432.3
#2	176440.	35853.	2165.7	6385.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/2/2014 20:33:08 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0009**	**.0012**	**.0029**	**.0018**	F **.0009**	**.0031**	**.0034**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.0000	.0003
%RSD	.7196	2.740	7.037	4.667	3.582	3.709	.3183	7.809
#1	.0040	.0010	.0011	.0030	.0018	.0009	.0031	.0036
#2	.0040	.0009	.0012	.0028	.0019	.0009	.0031	.0032
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	**.0009**	**.0023**	F **.0130**	**.0035**	**.0021**	**.0026**	W **.0062**	F **.0040**
Stddev	.0001	.0000	.0002	.0000	.0000	.0012	.0006	.0003
%RSD	5.963	.2290	1.654	.3621	1.912	46.72	9.232	6.956
#1	.0009	.0023	.0132	.0035	.0021	.0035	.0067	.0038
#2	.0009	.0023	.0129	.0035	.0020	.0017	.0058	.0042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail
Value			.0100				.0050	.0030
Range			30.00%				20.00%	30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0997**	**.9488**	**-.0021**	**.1081**	**2.164**	**1.115**	F **.0132**	**-.0007**
Stddev	.0000	.0021	.0001	.0003	.004	.003	.0001	.0001
%RSD	.0469	.2225	3.452	.3109	.1756	.2200	.4988	15.42
#1	.0997	.9503	-.0021	.1078	2.167	1.117	.0131	-.0008
#2	.0996	.9473	-.0022	.1083	2.161	1.113	.0132	-.0006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None
Value							.0100	
Range							30.00%	

Zoom In Zoom Out

Sample Name: crid Acquired: 6/2/2014 20:33:08 Type: QC
Method: Accutest1(v88) 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**	**.0009**	**.0002**	**.0000**	**.0005**	F **-.0158**	F **-.0006**	F **-.0025**
Stddev	.0005	.0004	.0009	.0000	.0000	.0004	.0000	.0006
%RSD	50.79	38.28	379.6	83.55	.9137	2.570	2.919	24.11
#1	.0013	.0007	.0009	.0001	.0005	-.0161	-.0006	-.0029
#2	.0006	.0012	-.0004	.0000	.0005	-.0155	-.0007	-.0021
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0023**	F **.0005**
Stddev	.0002	.0001
%RSD	7.091	17.72
#1	-.0022	.0004
#2	-.0024	.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	**175800.**	**36297.**	**2178.3**	**6428.8**
Stddev	64.	55.	3.1	3.7
%RSD	.03619	.15075	.14429	.05708
#1	175750.	36336.	2180.5	6426.2
#2	175840.	36258.	2176.0	6431.4

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 20:39:13 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0000**	**.0001**	**-.0002**	**-.0012**	**.0000**	**-.0007**	**-.0001**
Stddev	.0002	.000	.0000	.0001	.0002	.0000	.000	.0000	.0002
%RSD	123.8	61.70	36.87	84.30	108.0	.8705	181.1	3.284	332.3
#1	.0000	.0000	.0000	.0001	-.0003	-.0012	.0000	-.0007	-.0002
#2	-.0004	-.0001	.0001	.0002	.0000	-.0012	.0000	-.0007	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0008**	**.0205**	**-.0004**	**.0199**	**.0224**	**.0213**	**.4975**	**-.0044**
Stddev	.0001	.0001	.0006	.0009	.0002	.0012	.0001	.0078	.0006
%RSD	246.3	18.00	2.875	251.3	.9604	5.378	.3601	1.563	14.23
#1	.0000	.0007	.0201	-.0010	.0197	.0233	.0212	.5030	-.0039
#2	.0002	.0009	.0209	.0003	.0200	.0216	.0213	.4920	-.0048
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5079**	**.0017**	**.0190**	**.0175**	**.0019**	**-.0007**	**.0002**	**-.0010**	**-.0004**
Stddev	.0009	.0043	.0260	.0067	.0003	.0001	.0001	.0003	.0003
%RSD	.1833	248.1	137.0	38.15	14.22	8.622	57.16	28.54	89.42
#1	.5086	.0047	.0374	.0128	.0021	-.0006	.0001	-.0012	-.0001
#2	.5073	-.0013	.0006	.0222	.0017	-.0007	.0002	-.0008	-.0006
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/2/2014 20:39:13 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0167**	**-.0005**	**-.0008**	**-.0020**	**.0008**
Stddev	.0000	.0001	.0006	.0000	.0000	.0005	.0002
%RSD	15.83	92.14	3.487	2.473	.7864	23.91	27.77
#1	.0000	.0000	-.0163	-.0006	-.0008	-.0016	.0007
#2	.0000	.0001	-.0171	-.0005	-.0008	-.0023	.0010
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**178860.**	**36864.**	**2207.4**	**6531.2**
Stddev	202.	10.	5.9	15.9
%RSD	.11285	.02754	.26610	.24408
#1	179010.	36857.	2211.6	6542.5
#2	178720.	36871.	2203.3	6519.9

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/2/2014 20:45:19 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0014**	**.0009**	**-.0011**	**.0085**	**-.0023**	**-.0016**	**-.0042**
Stddev	.0000	.000	.0001	.0005	.0001	.0001	.0001	.0001	.0011
%RSD	5.438	149.9	5.898	53.41	14.00	1.639	4.602	4.090	25.36
#1	-.0006	.0000	-.0015	.0012	-.0012	.0086	-.0022	-.0016	-.0034
#2	-.0006	.0000	-.0014	.0005	-.0010	.0084	-.0023	-.0015	-.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0006**	**.0017**	**-.0028**	**.0012**	**-.0007**	**.0057**	**524.8**	**362.5**
Stddev	.0001	.0000	.0013	.0013	.0000	.0024	.0034	5.3	4.8
%RSD	14.57	1.397	77.64	46.55	2.025	353.0	58.76	1.008	1.325
#1	.0004	-.0006	.0027	-.0037	.0012	-.0024	.0033	528.5	365.9
#2	.0005	-.0006	.0008	-.0019	.0012	.0010	.0081	521.1	359.1
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**	**529.0**	**.1576**	**.0357**	**.0003**	**-.0058**	**.0162**	**.0032**	**.0016**
Stddev	1.6	7.3	.0207	.0023	.0008	.0003	.0004	.0004	.0003
%RSD	.8542	1.384	13.14	6.415	303.6	4.739	2.516	12.74	20.78
#1	193.7	534.2	.1722	.0341	.0009	-.0060	.0165	.0035	.0018
#2	191.4	523.9	.1429	.0374	-.0003	-.0056	.0159	.0029	.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: icsa Acquired: 6/2/2014 20:45:19 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0042**	**.0002**	**-.0059**	**-.0041**	**-.0800**	**-.0001**	**.0027**
Stddev	.0001	.0001	.0015	.0000	.0012	.0017	.0002
%RSD	2.218	43.69	25.13	.3572	1.497	1102.	8.032
#1	-.0042	.0003	-.0070	-.0041	-.0792	.0010	.0029
#2	-.0041	.0001	-.0049	-.0041	-.0809	-.0013	.0026
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	**155910.**	**32794.**	**1897.3**	**5220.7**
Stddev	403.	345.	.3	6.4
%RSD	.25834	1.0520	.01532	.12271
#1	156200.	32550.	1897.1	5216.2
#2	155630.	33038.	1897.5	5225.2

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 20:51:35 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5552**	**.5127**	**1.034**	**.4506**	**.4182**	**.5717**	**.4601**	**.9146**	**1.025**
Stddev	.0027	.0008	.006	.0023	.0001	.0008	.0012	.0037	.002
%RSD	.4910	.1531	.5546	.5046	.0311	.1337	.2676	.4035	.1594
#1	.5533	.5121	1.038	.4522	.4183	.5722	.4592	.9172	1.026
#2	.5571	.5132	1.030	.4490	.4181	.5711	.4609	.9120	1.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4577**	**.8580**	**1.092**	**.9280**	**.8998**	**1.110**	**1.085**	**529.3**	**366.7**
Stddev	.0006	.0052	.005	.0012	.0041	.007	.004	1.3	1.0
%RSD	.1225	.6066	.4710	.1311	.4507	.6268	.4040	.2395	.2801
#1	.4581	.8616	1.096	.9289	.9027	1.115	1.088	530.2	366.0
#2	.4573	.8543	1.088	.9272	.8969	1.106	1.082	528.4	367.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**192.3**	**543.7**	**.1178**	**.0423**	**.0065**	**.5005**	**.5716**	**-.0055**	**.0015**
Stddev	.6	.4	.0156	.0038	.0004	.0031	.0010	.0005	.0015
%RSD	.3256	.0784	13.27	8.898	5.996	.6136	.1756	9.164	96.03
#1	191.8	543.4	.1288	.0397	.0063	.5027	.5723	-.0052	.0025
#2	192.7	544.0	.1067	.0450	.0068	.4984	.5709	-.0059	.0005
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/2/2014 20:51:35 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0043**	**.0001**	**.5484**	**.5715**	**.4420**	F **.6121**	F **.6224**
Stddev	.0000	.0000	.0028	.0009	.0044	.0036	.0035
%RSD	.5796	33.20	.5160	.1594	1.007	.5886	.5599
#1	-.0043	.0001	.5504	.5709	.4452	.6147	.6199
#2	-.0043	.0001	.5464	.5722	.4389	.6096	.6249
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
Value						.5000	.5000
Range						20.00%	20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**155060.**	**32336.**	**1889.6**	**5212.4**
Stddev	73.	54.	10.2	23.8
%RSD	.04710	.16722	.53771	.45645
#1	155010.	32374.	1882.4	5195.6
#2	155110.	32298.	1896.7	5229.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 20:57:46 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.106**	**2.018**	**2.054**	**1.896**	**1.837**	**2.099**	**1.963**	**1.945**	**.2409**
Stddev	.035	.034	.023	.019	.010	.018	.012	.023	.0012
%RSD	1.678	1.702	1.103	1.014	.5486	.8326	.6201	1.194	.5153
#1	2.081	1.993	2.038	1.883	1.830	2.087	1.955	1.929	.2401
#2	2.131	2.042	2.070	1.910	1.844	2.112	1.972	1.962	.2418

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.030**	**1.848**	**2.076**	**2.081**	**1.962**	**2.110**	**2.139**	**39.66**	**36.40**
Stddev	.012	.018	.030	.020	.018	.024	.024	.71	.70
%RSD	.5952	.9867	1.471	.9510	.9317	1.148	1.097	1.802	1.917
#1	2.021	1.835	2.054	2.067	1.949	2.093	2.123	39.15	35.90
#2	2.038	1.861	2.097	2.095	1.974	2.127	2.156	40.16	36.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**38.96**	**37.12**	**41.09**	**42.65**	**2.064**	**2.113**	**2.001**	**5.442**	**2.047**
Stddev	.70	.70	.78	.80	.027	.025	.015	.062	.023
%RSD	1.809	1.878	1.898	1.887	1.305	1.186	.7623	1.141	1.112
#1	38.46	36.62	40.54	42.08	2.045	2.095	1.990	5.398	2.031
#2	39.46	37.61	41.64	43.21	2.083	2.130	2.011	5.486	2.063

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.133**	**1.971**	**1.992**	**1.973**	**2.054**	F **2.236**	F **2.206**
Stddev	.038	.015	.031	.018	.025	.028	.038
%RSD	1.790	.7382	1.556	.8935	1.207	1.254	1.740
#1	2.106	1.960	1.970	1.960	2.037	2.216	2.179
#2	2.160	1.981	2.014	1.985	2.072	2.256	2.233

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168090.**	**35076.**	**2067.5**	**5975.7**
Stddev	1152.	610.	22.5	58.3
%RSD	.68532	1.7396	1.0876	.97539
#1	168900.	35507.	2083.4	6016.9
#2	167270.	34644.	2051.6	5934.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 21:04:17 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**1.955**	**2.040**	**1.893**	**1.810**	**2.067**	**1.937**	**1.942**	**.2366**
Stddev	.036	.036	.001	.001	.015	.028	.016	.000	.0028
%RSD	1.746	1.861	.0535	.0554	.8406	1.350	.8189	.0034	1.178
#1	2.014	1.930	2.040	1.892	1.800	2.047	1.926	1.942	.2346
#2	2.064	1.981	2.039	1.894	1.821	2.086	1.948	1.942	.2385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**1.843**	**2.065**	**2.071**	**1.957**	**2.098**	**2.124**	**38.46**	F **35.30**
Stddev	.017	.003	.006	.011	.001	.008	.002	.69	.75
%RSD	.8651	.1466	.3051	.5487	.0535	.3960	.0735	1.793	2.121
#1	1.987	1.845	2.070	2.079	1.957	2.104	2.123	37.97	34.77
#2	2.012	1.841	2.061	2.063	1.956	2.092	2.125	38.95	35.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									40.00
Range									-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.73**	F **35.96**	**39.93**	**41.31**	**2.048**	**2.099**	**1.977**	**5.400**	**2.034**
Stddev	.77	.79	.67	.80	.002	.004	.028	.006	.003
%RSD	2.050	2.206	1.672	1.926	.0769	.1649	1.428	.1142	.1327
#1	37.18	35.40	39.46	40.74	2.049	2.102	1.957	5.404	2.036
#2	38.27	36.52	40.41	41.87	2.047	2.097	1.997	5.395	2.032
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: 6/2/2014 21:04:17 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.070**	**1.944**	**1.999**	**1.950**	**2.040**	F **2.215**	**2.136**
Stddev	.035	.018	.002	.018	.003	.001	.039
%RSD	1.700	.8987	.0943	.9470	.1465	.0452	1.826
#1	2.045	1.932	1.997	1.937	2.042	2.215	2.109
#2	2.094	1.956	2.000	1.963	2.038	2.216	2.164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**170130.**	**35951.**	**2083.0**	**5999.8**
Stddev	1212.	622.	4.0	2.2
%RSD	.71249	1.7293	.19123	.03605
#1	170990.	36391.	2080.2	5998.3
#2	169270.	35512.	2085.8	6001.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 21:11:30 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0002**	**.0000**	**-.0008**	**.0002**	**-.0008**	**-.0002**
Stddev	.0003	.0000	.0000	.0001	.0001	.0002	.0001	.0000	.0003
%RSD	178800.	16.82	4.816	58.90	580.3	19.02	31.69	3.401	122.2
#1	.0002	.0003	.0005	.0001	-.0001	-.0007	.0002	-.0008	-.0004
#2	-.0002	.0002	.0004	.0003	.0001	-.0009	.0001	-.0007	.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	**.0003**	**.0004**	**-.0004**	**.0005**	**.0002**	**.0013**	**.0012**	**-.0011**	**-.0068**
Stddev	.0002	.0001	.0004	.0000	.0002	.0008	.0001	.0011	.0006
%RSD	75.56	26.05	102.0	6.697	130.5	59.59	8.213	98.87	8.341
#1	.0004	.0003	-.0001	.0005	.0000	.0018	.0011	-.0019	-.0072
#2	.0001	.0005	-.0007	.0005	.0003	.0007	.0013	-.0003	-.0064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.0047**	**.0409**	**.0203**	**.0017**	**.0006**	**.0008**	**.0052**	**.0001**
Stddev	.0002	.0029	.0117	.0019	.0002	.0001	.0001	.0006	.0005
%RSD	3.368	61.03	28.62	9.510	8.770	17.16	16.00	10.50	405.6
#1	.0047	.0027	.0491	.0217	.0016	.0007	.0007	.0049	-.0002
#2	.0049	.0068	.0326	.0190	.0018	.0005	.0009	.0056	.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: 6/2/2014 21:11:30 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**-.0077**	**-.0001**	**-.0045**	**-.0022**	**.0014**
Stddev	.0000	.0003	.0014	.0001	.0013	.0010	.0002
%RSD	7.856	112.0	18.05	56.63	29.93	46.15	14.53
#1	.0004	.0005	-.0067	-.0001	-.0054	-.0015	.0016
#2	.0003	.0001	-.0087	-.0002	-.0035	-.0029	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**179910.**	**37409.**	**2194.8**	**6535.8**
Stddev	235.	64.	2.2	8.6
%RSD	.13034	.17090	.09950	.13112
#1	179740.	37364.	2196.4	6529.7
#2	180080.	37454.	2193.3	6541.9

Zoom In Zoom Out

Sample Name: jb68005-1 Acquired: 6/2/2014 21:17:49 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0063**	**.0000**	**-.0018**	**.0006**	**.0010**	**.0006**	**.0282**	**.0001**	**-.0002**
Stddev	.0001	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001
%RSD	1.543	451.9	2.246	8.075	4.343	22.02	.3955	106.6	53.24
#1	.0064	.0000	-.0018	.0005	.0010	.0007	.0283	.0000	-.0001
#2	.0062	.0000	-.0018	.0006	.0010	.0005	.0281	.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0031**	**1.165**	**-.0017**	**.0001**	**.0044**	**.2059**	**.0598**	**4.551**
Stddev	.0002	.0001	.008	.0003	.0006	.0001	.0014	.0005	.004
%RSD	25.43	2.595	.7014	16.55	485.2	2.226	.6911	.8315	.0955
#1	.0005	.0030	1.160	-.0015	.0006	.0043	.2049	.0594	4.548
#2	.0007	.0032	1.171	-.0019	-.0003	.0045	.2069	.0601	4.554

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.645**	**.5423**	**.5570**	**.9540**	**.0401**	**.0001**	**.0009**	**2.282**	**.0077**
Stddev	.001	.0047	.0174	.0037	.0004	.0001	.0004	.020	.0002
%RSD	.0432	.8743	3.127	.3883	.9678	92.93	39.28	.8740	2.163
#1	1.645	.5390	.5447	.9566	.0404	.0000	.0012	2.268	.0076
#2	1.644	.5457	.5694	.9514	.0398	.0002	.0007	2.296	.0078

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0225**	**.0023**	**-.0111**	**.0037**	**5.855**	**-.0023**	**.0020**
Stddev	.0000	.0001	.0001	.0003	.033	.0001	.0006
%RSD	.0209	4.530	.8452	8.890	.5687	5.186	29.69
#1	.0225	.0023	-.0110	.0039	5.831	-.0024	.0024
#2	.0225	.0024	-.0112	.0035	5.878	-.0022	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**177110.**	**36238.**	**2115.8**	**6436.0**
Stddev	197.	40.	11.3	40.5
%RSD	.11139	.11129	.53384	.62904
#1	177240.	36210.	2123.8	6464.7
#2	176970.	36267.	2107.8	6407.4

Zoom In Zoom Out

Sample Name: jb68005-1 Acquired: 6/2/2014 21:23:48 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0074**	**.0001**	**.0010**	**.0005**	**.0009**	**.0012**	**.0283**	**.0009**	**-.0004**
Stddev	.0015	.0000	.0044	.0003	.0000	.0002	.0000	.0000	.0005
%RSD	20.18	70.53	459.3	57.26	.0779	17.76	.1317	.7128	110.8
#1	.0085	.0001	.0040	.0007	.0009	.0010	.0282	.0009	-.0008
#2	.0064	.0000	-.0021	.0003	.0009	.0013	.0283	.0009	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0035**	**1.222**	**.0021**	**.0005**	**-.0007**	**.2278**	**.0643**	**5.371**
Stddev	.0002	.0002	.003	.0001	.0003	.0000	.0009	.0135	1.198
%RSD	37.70	5.823	.2320	3.673	57.61	1.322	.3877	21.06	22.31
#1	.0003	.0033	1.220	.0020	.0003	-.0008	.2284	.0739	6.218
#2	.0006	.0036	1.224	.0022	.0007	-.0007	.2272	.0547	4.523

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.919**	**.6237**	**.6477**	**1.146**	**.0431**	**-.0006**	**.0011**	**2.556**	**.0017**
Stddev	.412	.1424	.1048	.242	.0000	.0001	.0002	.006	.0004
%RSD	21.48	22.83	16.18	21.14	.0064	10.95	19.12	.2453	24.78
#1	2.211	.7244	.7219	1.317	.0431	-.0006	.0009	2.560	.0020
#2	1.628	.5230	.5736	.9746	.0431	-.0006	.0012	2.552	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0270**	**.0023**	**-.0165**	**-.0006**	**4.010**	**.0006**	**.0009**
Stddev	.0060	.0003	.0007	.0002	.003	.0002	.0003
%RSD	22.35	13.17	4.167	44.94	.0735	33.47	35.22
#1	.0313	.0026	-.0170	-.0004	4.012	.0007	.0011
#2	.0228	.0021	-.0160	-.0007	4.008	.0004	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**178260.**	*****	**2123.9**	**6530.2**
Stddev	295.	-----	2.9	6.7
%RSD	.16568	-----	.13675	.10257
#1	178470.	-----	2121.9	6525.5
#2	178050.	37108.	2126.0	6535.0

Zoom In Zoom Out

Sample Name: jb68005-1undigconf Acquired: 6/2/2014 21:29:48 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0060**	**.0000**	**-.0017**	**-.0009**	**.0004**	**-.0007**	**.0250**	**.0003**
Stddev	.0001	.0000	.0002	.0001	.0004	.0001	.0002	.0003
%RSD	2.470	18.85	10.16	6.316	84.86	7.673	.6012	117.1
#1	.0061	.0000	-.0018	-.0009	.0002	-.0006	.0251	.0000
#2	.0059	.0000	-.0016	-.0008	.0007	-.0007	.0249	.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0013**	**.0009**	**-.0030**	**1.427**	F **-.0268**	**.0054**	**.0951**	**.2526**
Stddev	.0001	.0000	.0001	.037	.0016	.0003	.0000	.0072
%RSD	5.576	2.653	3.380	2.624	6.091	5.621	.0260	2.838
#1	.0013	.0009	-.0031	1.400	-.0256	.0051	.0951	.2476
#2	.0012	.0010	-.0029	1.453	-.0279	.0056	.0951	.2577

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0386**	**4.514**	**1.612**	**.5341**	**.7270**	**.9131**	**.0352**	**-.0009**
Stddev	.0008	.007	.001	.0005	.0014	.0035	.0007	.0001
%RSD	1.957	.1524	.0624	.0875	.1967	.3780	1.866	12.70
#1	.0380	4.519	1.611	.5344	.7280	.9156	.0347	-.0008
#2	.0391	4.510	1.613	.5337	.7260	.9107	.0357	-.0010

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0029**	F **65.51**	**.0253**	**.0229**	**.0002**	**-.0042**	F **-.0107**	**66.40**
Stddev	.0006	3.10	.0014	.0000	.0003	.0021	.0005	.63
%RSD	21.58	4.727	5.560	.1553	144.1	50.85	4.408	.9456
#1	.0033	63.32	.0243	.0229	.0000	-.0027	-.0104	65.96
#2	.0024	67.70	.0263	.0229	.0005	-.0057	-.0111	66.84

Elem	Bi2230	Li6707
Avg	**-.0064**	**.0010**
Stddev	.0004	.0004
%RSD	6.769	38.65
#1	-.0061	.0013
#2	-.0068	.0008

Zoom In Zoom Out

Sample Name: jb68005-1undigconf Acquired: 6/2/2014 21:29:48 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**173200.**	**36479.**	**2030.0**	**6726.1**
Stddev	106.	10.	42.5	153.1
%RSD	.06134	.02823	2.0918	2.2756
#1	173280.	36486.	2060.0	6834.4
#2	173130.	36471.	2000.0	6617.9

Zoom In Zoom Out

Sample Name: jb67815-1 2 Acquired: 6/2/2014 21:35:45 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.9097**	**.0070**	**.0020**	**.0554**	**.2667**	**.4485**	**2.598**	**.2051**
Stddev	.0002	.0000	.0003	.0000	.0009	.0002	.004	.0004
%RSD	.0231	.1171	13.22	.0215	.3426	.0449	.1501	.2119
#1	.9096	.0070	.0018	.0555	.2661	.4487	2.595	.2055
#2	.9098	.0070	.0022	.0554	.2674	.4484	2.601	.2048

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0003**	**.3944**	**.9838**	**.0501**	F **-.0063**	**.6557**	**.0062**	**.0148**
Stddev	.0008	.0008	.0063	.0007	.0000	.0015	.0006	.0003
%RSD	283.7	.1927	.6431	1.443	.7197	.2359	10.42	2.168
#1	-.0009	.3938	.9883	.0506	-.0063	.6568	.0058	.0150
#2	.0003	.3949	.9794	.0496	-.0064	.6546	.0067	.0146

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**140.3**	**209.9**	**175.2**	**93.86**	**14.06**	**1.128**	**.0555**	**.0069**
Stddev	.2	2.0	1.5	.17	.04	.007	.0007	.0003
%RSD	.1384	.9729	.8610	.1783	.3023	.6137	1.227	4.607
#1	140.1	208.5	174.1	93.74	14.03	1.123	.0560	.0071
#2	140.4	211.3	176.3	93.98	14.09	1.133	.0551	.0067

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0125**	**9.582**	**.0515**	**.3374**	**3.023**	**.0024**	**.0658**	**4.008**
Stddev	.0003	.098	.0001	.0004	.008	.0000	.0003	.062
%RSD	2.649	1.019	.2706	.1052	.2761	.6828	.4020	1.539
#1	.0123	9.651	.0514	.3376	3.017	.0024	.0656	4.052
#2	.0127	9.513	.0516	.3371	3.029	.0024	.0660	3.964

Elem	Bi2230	Li6707
Avg	**-.0009**	**.1373**
Stddev	.0001	.0005
%RSD	14.15	.3978
#1	-.0010	.1369
#2	-.0008	.1377

Zoom In Zoom Out

Sample Name: jb67815-1 2 Acquired: 6/2/2014 21:35:45 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168910.**	**35035.**	**2015.9**	**5642.7**
Stddev	92.	73.	16.1	23.0
%RSD	.05442	.20948	.79872	.40838
#1	168840.	35087.	2004.6	5626.5
#2	168970.	34983.	2027.3	5659.0

Zoom In Zoom Out

Sample Name: jb67815-8 Acquired: 6/2/2014 21:41:50 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.406**	**.0088**	**.0158**	**.0775**	**.4271**	**1.378**	**7.196**	**.3999**
Stddev	.007	.0000	.0002	.0008	.0008	.002	.054	.0012
%RSD	.3083	.3519	1.546	1.048	.1780	.1666	.7472	.2883
#1	2.411	.0087	.0159	.0770	.4266	1.380	7.234	.3991
#2	2.401	.0088	.0156	.0781	.4276	1.376	7.157	.4008

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0066**	**.8017**	**3.284**	**.0685**	F **-.0042**	**2.969**	**.0035**	**.0330**
Stddev	.0003	.0013	.009	.0005	.0018	.010	.0008	.0021
%RSD	3.910	.1622	.2685	.7015	42.11	.3354	22.12	6.367
#1	.0064	.8027	3.278	.0682	-.0054	2.962	.0030	.0315
#2	.0068	.8008	3.290	.0689	-.0029	2.976	.0041	.0345

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**142.8**	**360.1**	**201.9**	**140.2**	**11.46**	**5.297**	**.5614**	**.0214**
Stddev	.2	.5	.0	.2	.03	.008	.0031	.0001
%RSD	.1534	.1411	.0147	.1341	.2983	.1533	.5526	.3760
#1	142.9	359.8	201.9	140.1	11.48	5.303	.5592	.0215
#2	142.6	360.5	202.0	140.3	11.43	5.292	.5636	.0214

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0168**	**12.15**	**.1149**	**.8480**	**11.48**	**.0231**	**.3809**	**15.81**
Stddev	.0005	.03	.0013	.0023	.01	.0012	.0008	.03
%RSD	2.884	.2125	1.147	.2698	.0470	5.016	.2101	.1910
#1	.0165	12.13	.1140	.8497	11.48	.0239	.3815	15.79
#2	.0171	12.17	.1158	.8464	11.48	.0222	.3803	15.83

Elem	Bi2230	Li6707
Avg	**.0116**	**.1457**
Stddev	.0003	.0003
%RSD	2.211	.2149
#1	.0118	.1459
#2	.0114	.1455

Zoom In Zoom Out

Sample Name: jb67815-8 Acquired: 6/2/2014 21:41:50 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166280.**	**34423.**	**1968.3**	**5503.7**
Stddev	564.	68.	3.7	8.4
%RSD	.33891	.19887	.19025	.15300
#1	165880.	34374.	1971.0	5509.7
#2	166680.	34471.	1965.7	5497.8

Zoom In Zoom Out

Sample Name: jb67815-12 Acquired: 6/2/2014 21:48:04 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.8806**	**.0072**	**.0060**	**.0677**	**.3614**	**1.072**	**2.539**	**.5153**
Stddev	.0018	.0000	.0002	.0004	.0001	.001	.002	.0015
%RSD	.2003	.4853	3.227	.6403	.0308	.1085	.0698	.2867
#1	.8818	.0072	.0061	.0674	.3614	1.071	2.541	.5164
#2	.8793	.0072	.0058	.0680	.3613	1.073	2.538	.5143

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0007**	**.3413**	**1.709**	**.0602**	F **-.0090**	**.4510**	F **-.0168**	**.0119**
Stddev	.0004	.0002	.001	.0001	.0004	.0026	.0015	.0008
%RSD	58.61	.0693	.0434	.2162	4.588	.5705	8.708	6.692
#1	-.0010	.3411	1.708	.0602	-.0093	.4528	-.0179	.0114
#2	-.0004	.3415	1.709	.0603	-.0087	.4492	-.0158	.0125

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**115.0**	**325.4**	**183.9**	**114.7**	**9.857**	**.7666**	**.0515**	**.0216**
Stddev	.3	5.4	1.4	.6	.034	.0057	.0005	.0001
%RSD	.2403	1.664	.7762	.5126	.3434	.7387	.9451	.6669
#1	115.2	321.6	182.9	114.3	9.881	.7706	.0512	.0215
#2	114.8	329.3	184.9	115.1	9.833	.7626	.0519	.0217

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0002**	**9.269**	**.0495**	**.6439**	**2.696**	**.2361**	**.0647**	**7.251**
Stddev	.0004	.033	.0002	.0018	.004	.0007	.0004	.013
%RSD	155.7	.3605	.5007	.2797	.1567	.3150	.6762	.1793
#1	-.0005	9.293	.0496	.6452	2.693	.2367	.0644	7.241
#2	.0000	9.245	.0493	.6426	2.699	.2356	.0650	7.260

Elem	Bi2230	Li6707
Avg	**-.0057**	**.1053**
Stddev	.0003	.0003
%RSD	5.525	.2477
#1	-.0060	.1055
#2	-.0055	.1051

Zoom In Zoom Out

Sample Name: jb67815-12 Acquired: 6/2/2014 21:48:04 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167380.**	**34732.**	**2007.4**	**5581.8**
Stddev	224.	55.	2.0	15.4
%RSD	.13399	.15854	.10057	.27563
#1	167540.	34771.	2006.0	5570.9
#2	167220.	34693.	2008.8	5592.6

Zoom In Zoom Out

Sample Name: jb67815-13 Acquired: 6/2/2014 21:54:08 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.6596**	**.0054**	**.0043**	**.0594**	**.3046**	**.5608**	**2.438**	**.4282**
Stddev	.0018	.0000	.0002	.0003	.0003	.0001	.004	.0010
%RSD	.2763	.7992	5.170	.5624	.0821	.0193	.1601	.2439
#1	.6609	.0054	.0045	.0596	.3048	.5607	2.435	.4290
#2	.6583	.0053	.0042	.0591	.3044	.5608	2.441	.4275

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0002**	**.3749**	**1.307**	**.0461**	F **-.0075**	**.5344**	**-.0035**	**.0126**
Stddev	.0004	.0003	.003	.0002	.0001	.0014	.0007	.0006
%RSD	286.4	.0891	.2601	.4878	.7988	.2546	20.61	4.372
#1	.0002	.3747	1.310	.0463	-.0076	.5354	-.0040	.0122
#2	-.0005	.3752	1.305	.0459	-.0075	.5335	-.0030	.0130

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**106.7**	**232.7**	**186.1**	**92.01**	**9.738**	**1.008**	**.0479**	**.0177**
Stddev	.4	.9	1.0	.03	.034	.010	.0002	.0001
%RSD	.3852	.3963	.5238	.0316	.3495	1.014	.3156	.3146
#1	107.0	233.3	186.8	92.03	9.762	1.015	.0478	.0177
#2	106.4	232.0	185.4	91.99	9.714	1.000	.0480	.0176

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0104**	**10.54**	**.0609**	**.4669**	**2.717**	**.0806**	**.0621**	**7.105**
Stddev	.0008	.05	.0007	.0017	.000	.0006	.0000	.057
%RSD	7.433	.4976	1.089	.3597	.0005	.7374	.0056	.7995
#1	.0110	10.58	.0614	.4681	2.717	.0802	.0622	7.145
#2	.0099	10.50	.0605	.4657	2.717	.0810	.0621	7.065

Elem	Bi2230	Li6707
Avg	**-.0022**	**.0982**
Stddev	.0004	.0010
%RSD	18.57	1.044
#1	-.0025	.0989
#2	-.0019	.0975

Zoom In Zoom Out

Sample Name: jb67815-13 Acquired: 6/2/2014 21:54:08 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170030.**	**35126.**	**2048.1**	**5774.3**
Stddev	148.	133.	9.5	17.7
%RSD	.08715	.37783	.46199	.30641
#1	169930.	35032.	2041.4	5761.8
#2	170140.	35220.	2054.8	5786.9

Zoom In Zoom Out

Sample Name: jb67815-15 Acquired: 6/2/2014 22:00:13 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1815**	**.0048**	**.0030**	**.0615**	**.0697**	**1.072**	**.7506**	**.0889**	**.0012**
Stddev	.0002	.0000	.0001	.0000	.0001	.001	.0017	.0001	.0002
%RSD	.1147	.1259	4.612	.0514	.1918	.1212	.2244	.0792	14.56
#1	.1817	.0048	.0031	.0615	.0698	1.073	.7518	.0889	.0010
#2	.1814	.0048	.0029	.0616	.0696	1.071	.7495	.0888	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0886**	**.4433**	**.0206**	**-.0003**	**.7685**	**.0053**	**.0144**	**58.89**	**14.02**
Stddev	.0000	.0001	.0001	.0008	.0005	.0005	.0006	.11	.01
%RSD	.0199	.0309	.7150	282.0	.0589	9.762	4.144	.1906	.0718
#1	.0886	.4434	.0207	.0003	.7682	.0056	.0140	58.81	14.03
#2	.0886	.4432	.0205	-.0008	.7688	.0049	.0149	58.97	14.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**64.27**	**14.45**	**5.808**	**8.657**	**.1151**	**.0170**	**.0056**	**3.864**	**.2233**
Stddev	.01	.01	.012	.042	.0006	.0001	.0000	.002	.0007
%RSD	.0131	.0570	.2021	.4817	.5429	.3982	.6999	.0571	.3279
#1	64.27	14.44	5.799	8.627	.1147	.0170	.0055	3.865	.2228
#2	64.28	14.45	5.816	8.686	.1156	.0169	.0056	3.862	.2238

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2300**	**.6334**	**-.0093**	**.0072**	**64.45**	**-.0033**	**.1158**
Stddev	.0002	.0003	.0004	.0001	.11	.0001	.0002
%RSD	.0675	.0480	4.620	.9413	.1710	2.107	.1881
#1	.2299	.6336	-.0090	.0072	64.37	-.0032	.1159
#2	.2301	.6332	-.0096	.0071	64.53	-.0033	.1156

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**180750.**	**36619.**	**2209.4**	**6349.0**
Stddev	493.	41.	6.4	15.1
%RSD	.27297	.11272	.29114	.23786
#1	180410.	36648.	2213.9	6359.7
#2	181100.	36590.	2204.9	6338.3

Zoom In Zoom Out

Sample Name: mp79732-lc1 1 Acquired: 6/2/2014 22:06:08 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5071**	**.4746**	**.5065**	**.4409**	**.4493**	**.4817**	**.4793**	**.4680**	**.1911**
Stddev	.0001	.0005	.0014	.0010	.0009	.0003	.0003	.0014	.0007
%RSD	.0262	.0976	.2742	.2206	.2082	.0611	.0666	.3067	.3605
#1	.5070	.4749	.5055	.4416	.4499	.4819	.4795	.4670	.1906
#2	.5072	.4743	.5075	.4402	.4486	.4815	.4790	.4690	.1916

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4689**	**.4805**	**.5089**	**.5179**	**.4786**	**.5600**	**.5222**	**4.873**	**4.867**
Stddev	.0003	.0002	.0011	.0012	.0005	.0026	.0027	.004	.005
%RSD	.0720	.0359	.2147	.2396	.1007	.4563	.5224	.0710	.0956
#1	.4687	.4806	.5097	.5170	.4783	.5618	.5203	4.876	4.870
#2	.4692	.4804	.5081	.5188	.4789	.5582	.5242	4.871	4.864

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.345**	**4.920**	**10.24**	**10.57**	**.0093**	**.4937**	**.0031**	**.0289**	**-.0006**
Stddev	.001	.011	.04	.00	.0001	.0016	.0000	.0014	.0004
%RSD	.0137	.2317	.3761	.0348	.7325	.3264	.2327	4.895	59.20
#1	5.346	4.928	10.27	10.58	.0093	.4926	.0031	.0279	-.0004
#2	5.345	4.912	10.21	10.57	.0094	.4949	.0031	.0299	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4789**	**-.0135**	**-.0007**	**.0119**	**-.0032**	**.0008**
Stddev	.0000	.0009	.0008	.0001	.0006	.0006	.0000
%RSD	37.38	.1839	6.013	18.72	5.023	17.57	6.226
#1	-.0001	.4795	-.0140	-.0008	.0115	-.0036	.0008
#2	-.0001	.4782	-.0129	-.0006	.0123	-.0028	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**177100.**	**36539.**	**2155.8**	**6452.1**
Stddev	218.	55.	5.0	6.4
%RSD	.12301	.15114	.23010	.09981
#1	176940.	36500.	2159.3	6456.6
#2	177250.	36578.	2152.3	6447.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 22:12:02 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.991**	**1.876**	**2.023**	**1.853**	**1.809**	**2.075**	**1.938**	**1.904**	**.2372**
Stddev	.135	.126	.011	.006	.012	.018	.011	.010	.0028
%RSD	6.795	6.692	.5202	.3484	.6375	.8569	.5415	.5204	1.173
#1	2.086	1.965	2.016	1.848	1.817	2.088	1.945	1.897	.2391
#2	1.895	1.787	2.031	1.858	1.801	2.063	1.930	1.911	.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	**1.997**	F **1.799**	**2.038**	**2.028**	**1.926**	**2.073**	**2.109**	**37.24**	F **33.92**
Stddev	.010	.010	.009	.009	.006	.012	.009	2.46	2.16
%RSD	.5138	.5411	.4526	.4552	.2933	.5535	.4172	6.616	6.368
#1	2.005	1.792	2.032	2.021	1.922	2.065	2.102	38.98	35.44
#2	1.990	1.806	2.045	2.034	1.930	2.081	2.115	35.50	32.39
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		2.000							40.00
Range		-10.00%							-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.54**	F **34.63**	**38.89**	**40.15**	**2.029**	**2.066**	**1.988**	**5.369**	**2.008**
Stddev	2.41	2.24	2.50	2.72	.011	.010	.016	.028	.011
%RSD	6.601	6.460	6.419	6.779	.5360	.4750	.7778	.5116	.5281
#1	38.24	36.22	40.65	42.07	2.022	2.059	1.999	5.350	2.000
#2	34.83	33.05	37.12	38.22	2.037	2.073	1.977	5.389	2.015
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: 6/2/2014 22:12:02 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**1.947**	**1.948**	**1.946**	**2.018**	F **2.209**	**2.070**
Stddev	.134	.014	.016	.011	.014	.009	.144
%RSD	6.621	.6996	.8276	.5504	.6923	.4009	6.969
#1	2.116	1.957	1.937	1.953	2.008	2.202	2.172
#2	1.926	1.937	1.960	1.938	2.028	2.215	1.968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**171160.**	**37336.**	**2107.0**	**6101.0**
Stddev	973.	1971.	7.9	23.6
%RSD	.56848	5.2803	.37342	.38731
#1	170470.	35942.	2112.6	6117.7
#2	171850.	38730.	2101.4	6084.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 22:17:53 Type: QC
Method: Accutest1(v88) 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**	**.0002**	**.0004**	**.0000**	**.0003**	**-.0008**	**.0002**	**-.0009**
Stddev	.0000	.0000	.0000	.000	.0001	.0002	.0000	.0003
%RSD	388.0	1.565	10.80	6852.	22.83	25.37	12.63	30.39
#1	.0000	.0002	.0004	-.0001	.0003	-.0009	.0002	-.0011
#2	.0000	.0002	.0004	.0001	.0002	-.0006	.0003	-.0007
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**	**.0005**	**-.0004**	**.0006**	**-.0003**	**.0014**	**.0018**
Stddev	.0001	.0001	.0001	.0005	.0003	.0004	.0011	.0004
%RSD	42.31	24.43	13.16	119.5	43.12	150.4	80.26	21.90
#1	-.0002	.0003	.0004	-.0001	.0004	.0000	.0006	.0015
#2	-.0001	.0004	.0005	-.0007	.0008	-.0005	.0022	.0021
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	**-.0020**	**-.0084**	**.0040**	**.0017**	**.0640**	**.0177**	**.0002**	**.0005**	
Stddev	.0017	.0001	.0000	.0160	.0170	.0035	.0001	.0001
%RSD	84.19	1.315	1.003	915.6	26.56	19.54	30.34	17.43
#1	-.0032	-.0084	.0040	.0130	.0760	.0153	.0002	.0006
#2	-.0008	-.0085	.0040	-.0095	.0519	.0202	.0003	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 22:17:53 Type: QC
Method: Accutest1(v88) 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**	**.0120**	**.0000**	**.0003**	**.0004**	**-.0100**	**.0000**	W **.0070**
Stddev	.0001	.0010	.000	.0001	.0001	.0012	.0000	.0006
%RSD	9.065	8.335	921.8	23.12	16.09	11.69	369.9	8.099
#1	.0011	.0113	-.0003	.0003	.0004	-.0092	.0000	.0074
#2	.0010	.0127	.0002	.0002	.0005	-.0108	.0000	.0066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0014**	**.0011**
Stddev	.0007	.0000
%RSD	47.56	.6486
#1	-.0019	.0011
#2	-.0009	.0011
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**179180.**	**36635.**	**2205.0**	**6561.2**
Stddev	385.	5.	3.2	11.1
%RSD	.21470	.01299	.14461	.16887
#1	178910.	36631.	2207.2	6569.0
#2	179450.	36638.	2202.7	6553.4

Zoom In Zoom Out

Sample Name: mp79732-mb1 1 Acquired: 6/2/2014 22:23:58 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa tl

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0002**	**-.0001**	**.0000**	**-.0011**	**.0000**	**-.0010**	**-.0001**
Stddev	.0002	.000	.0000	.0000	.0002	.0000	.0000	.0001	.0003
%RSD	78.35	32.00	16.04	23.56	740.3	2.896	119.7	10.62	236.7
#1	-.0001	.0000	.0002	-.0001	.0002	-.0012	.0000	-.0010	-.0003
#2	-.0003	.0000	.0003	.0000	-.0001	-.0011	.0000	-.0011	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0005**	**-.0004**	**-.0002**	**-.0001**	**.0016**	**.0014**	**-.0013**	**-.0135**
Stddev	.0000	.0000	.0003	.0000	.0009	.0009	.0006	.0005	.0010
%RSD	3.962	.7817	73.13	12.39	948.8	56.06	47.26	39.83	7.609
#1	.0001	.0005	-.0002	-.0002	.0006	.0023	.0009	-.0009	-.0142
#2	.0001	.0005	-.0006	-.0002	-.0008	.0010	.0018	-.0016	-.0128

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0015**	**.0029**	**.0013**	**.0158**	**-.0002**	**-.0003**	**.0006**	**.0155**	**.0005**
Stddev	.0007	.0023	.0210	.0029	.0000	.0002	.0003	.0003	.0001
%RSD	47.65	78.56	1568.	18.34	15.83	69.72	46.31	2.256	15.26
#1	-.0010	.0013	.0162	.0138	-.0003	-.0002	.0004	.0152	.0004
#2	-.0020	.0045	-.0135	.0178	-.0002	-.0005	.0008	.0157	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0132**	**-.0004**	**.0095**	**-.0018**	**.0012**
Stddev	.0000	.0002	.0001	.0000	.0033	.0000	.0005
%RSD	33.24	71.16	.9445	10.02	34.38	1.082	39.53
#1	.0001	.0001	-.0131	-.0004	.0118	-.0018	.0008
#2	.0000	.0004	-.0133	-.0004	.0072	-.0018	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**178730.**	**36670.**	**2200.5**	**6554.6**
Stddev	190.	69.	5.1	7.7
%RSD	.10657	.18864	.23053	.11702
#1	178860.	36621.	2204.1	6549.2
#2	178590.	36719.	2196.9	6560.0

Zoom In Zoom Out

Sample Name: mp79732-b1 Acquired: 6/2/2014 22:30:02 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.146**	**.0515**	**.0516**	**.4788**	**.1908**	**.2590**	**.5073**	**.5031**	**.0529**
Stddev	.002	.0002	.0001	.0010	.0006	.0020	.0025	.0000	.0003
%RSD	.0907	.3977	.1899	.2093	.3360	.7632	.4971	.0083	.6008
#1	2.144	.0514	.0515	.4795	.1913	.2604	.5091	.5031	.0532
#2	2.147	.0517	.0517	.4781	.1904	.2576	.5055	.5032	.0527

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5049**	**.5169**	**2.204**	**2.197**	**.5085**	**2.495**	**.5661**	**2.063**	**22.69**
Stddev	.0025	.0013	.007	.006	.0001	.008	.0006	.001	.02
%RSD	.4870	.2424	.3384	.2976	.0190	.3323	.1125	.0237	.0900
#1	.5066	.5178	2.199	2.192	.5084	2.489	.5666	2.063	22.67
#2	.5031	.5161	2.209	2.202	.5086	2.501	.5657	2.063	22.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.065**	**23.98**	**26.78**	**27.56**	**2.227**	**2.177**	**2.025**	**2.437**	**2.131**
Stddev	.003	.12	.10	.13	.003	.004	.007	.004	.006
%RSD	.3006	.4883	.3572	.4823	.1532	.2084	.3536	.1636	.2643
#1	1.063	23.89	26.72	27.47	2.225	2.174	2.030	2.434	2.127
#2	1.068	24.06	26.85	27.66	2.230	2.180	2.020	2.440	2.135

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.146**	**1.975**	**-.0132**	**.0042**	**-.0013**	**-.0006**	**.0011**
Stddev	.005	.006	.0002	.0005	.0013	.0003	.0003
%RSD	.2469	.3269	1.731	12.19	100.4	48.08	24.87
#1	2.142	1.980	-.0133	.0045	-.0004	-.0008	.0009
#2	2.149	1.971	-.0130	.0038	-.0022	-.0004	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**173270.**	**36332.**	**2097.7**	**6244.3**
Stddev	352.	107.	7.2	14.7
%RSD	.20323	.29441	.34248	.23543
#1	173020.	36407.	2102.8	6254.7
#2	173520.	36256.	2092.6	6233.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 22:35:53 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.098**	**1.985**	**2.030**	**1.859**	**1.802**	**2.083**	**1.938**	**1.913**	**.2379**
Stddev	.011	.006	.016	.016	.003	.005	.005	.017	.0015
%RSD	.5404	.2865	.8053	.8530	.1735	.2511	.2726	.8801	.6343
#1	2.090	1.981	2.042	1.870	1.800	2.079	1.934	1.925	.2368
#2	2.106	1.989	2.018	1.848	1.804	2.086	1.941	1.901	.2389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**1.809**	**2.054**	**2.031**	**1.937**	**2.097**	**2.119**	**39.24**	F **35.94**
Stddev	.006	.018	.018	.022	.019	.014	.013	.25	.03
%RSD	.3121	.9657	.8946	1.093	.9866	.6799	.5882	.6242	.0969
#1	1.996	1.822	2.067	2.047	1.950	2.107	2.128	39.07	35.96
#2	2.005	1.797	2.041	2.015	1.923	2.087	2.110	39.42	35.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									40.00
Range									-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.68**	**36.74**	**40.85**	**42.19**	**2.036**	**2.083**	**1.981**	**5.409**	**2.017**
Stddev	.07	.06	.28	.35	.014	.017	.008	.044	.015
%RSD	.1912	.1581	.6751	.8378	.6761	.8327	.4149	.8119	.7318
#1	38.63	36.78	40.66	41.94	2.046	2.095	1.975	5.440	2.027
#2	38.73	36.70	41.05	42.44	2.026	2.070	1.987	5.378	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 22:35:53 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.136**	**1.948**	**1.966**	**1.942**	**2.031**	F **2.222**	**2.170**
Stddev	.010	.001	.010	.001	.018	.019	.021
%RSD	.4787	.0308	.5259	.0529	.8623	.8470	.9515
#1	2.128	1.947	1.973	1.941	2.044	2.236	2.156
#2	2.143	1.948	1.959	1.942	2.019	2.209	2.185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**170630.**	**35599.**	**2086.8**	**6050.0**
Stddev	98.	90.	13.1	41.1
%RSD	.05761	.25193	.62778	.67944
#1	170560.	35662.	2077.5	6021.0
#2	170700.	35535.	2096.0	6079.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 22:41:43 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**.0001**	**.0001**	**-.0008**	**.0003**	**-.0009**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0000	.0001	.0000	.0003	.0001
%RSD	294.5	1.701	10.97	57.91	8.261	18.08	2.427	27.64	101.0
#1	.0000	.0002	.0003	.0002	.0000	-.0008	.0003	-.0007	.0000
#2	.0001	.0002	.0003	.0001	.0001	-.0007	.0003	-.0011	.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	**.0004**	**.0003**	**.0002**	**.0009**	**-.0005**	**.0014**	**.0012**	**-.0005**	**-.0082**
Stddev	.0001	.0002	.0000	.0004	.0008	.0004	.0005	.0033	.0000
%RSD	20.81	54.15	30.55	39.52	173.6	27.10	41.84	658.9	.3466
#1	.0004	.0002	.0002	.0011	.0001	.0016	.0015	-.0028	-.0082
#2	.0005	.0004	.0001	.0006	-.0011	.0011	.0008	.0018	-.0083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.0015**	**.0531**	**.0184**	**.0002**	**.0012**	**.0008**	**.0077**	**.0003**
Stddev	.0005	.0158	.0107	.0009	.0005	.0003	.0002	.0004	.0007
%RSD	10.28	1065.	20.14	5.022	238.5	28.69	30.59	5.079	207.6
#1	.0049	-.0097	.0607	.0191	.0006	.0014	.0006	.0074	.0008
#2	.0057	.0127	.0456	.0178	-.0002	.0010	.0010	.0080	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 22:41:43 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0080**	**.0001**	**.0031**	**-.0016**	**.0020**
Stddev	.0000	.0002	.0014	.0000	.0011	.0012	.0008
%RSD	7.400	43.18	16.99	25.22	36.85	74.69	43.01
#1	.0003	.0003	-.0070	.0001	.0039	-.0024	.0014
#2	.0004	.0006	-.0089	.0001	.0023	-.0008	.0026
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	**179890.**	**36929.**	**2209.9**	**6580.4**
Stddev	412.	64.	1.4	12.7
%RSD	.22890	.17283	.06200	.19236
#1	180180.	36884.	2208.9	6571.4
#2	179600.	36974.	2210.9	6589.3

Zoom In Zoom Out

Sample Name: mp79732-s1 Acquired: 6/2/2014 22:47:48 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.235**	**.0514**	**.0548**	**.5036**	**.2045**	**.2956**	**.8294**	**.5297**	**.0597**
Stddev	.020	.0006	.0003	.0016	.0108	.0163	.0472	.0005	.0034
%RSD	.8850	1.073	.6061	.3080	5.276	5.517	5.692	.1008	5.687
#1	2.221	.0510	.0546	.5025	.2122	.3071	.8628	.5301	.0621
#2	2.249	.0518	.0551	.5047	.1969	.2841	.7961	.5293	.0573

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5456**	**.5271**	**2.354**	**2.192**	**.5269**	**2.633**	**.5940**	**2.146**	**46.36**
Stddev	.0297	.0003	.008	.007	.0005	.003	.0038	.022	.81
%RSD	5.450	.0598	.3408	.3215	.0975	.1068	.6450	1.009	1.747
#1	.5666	.5269	2.349	2.197	.5266	2.631	.5913	2.130	45.79
#2	.5245	.5274	2.360	2.187	.5273	2.635	.5967	2.161	46.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.188**	**51.91**	**40.26**	**362.0**	**2.664**	**2.239**	**2.315**	**3.119**	**2.144**
Stddev	.031	.78	.28	7.8	.009	.003	.133	.012	.002
%RSD	1.418	1.511	.6956	2.164	.3258	.1434	5.733	.3986	.0826
#1	2.166	51.35	40.06	356.5	2.658	2.237	2.409	3.110	2.143
#2	2.210	52.46	40.46	367.5	2.670	2.241	2.221	3.127	2.146

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.419**	**2.131**	**-.0100**	**.0024**	**42.74**	**.0000**	**.0065**
Stddev	.044	.125	.0012	.0008	.08	.000	.0003
%RSD	1.818	5.853	11.62	31.81	.1937	1471.	4.135
#1	2.388	2.219	-.0091	.0029	42.80	.0001	.0067
#2	2.450	2.043	-.0108	.0018	42.68	-.0002	.0063

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**153710.**	**36040.**	**1928.4**	**5490.6**
Stddev	7580.	442.	5.1	7.2
%RSD	4.9309	1.2275	.26378	.13117
#1	148350.	36353.	1932.0	5495.7
#2	159070.	35727.	1924.8	5485.5

Zoom In Zoom Out

Sample Name: mp79732-s2 Acquired: 6/2/2014 22:53:49 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.259**	**.0515**	**.0542**	**.4993**	**.1811**	**.2643**	**.7386**	**.5233**	**.0539**
Stddev	.025	.0005	.0005	.0028	.0068	.0103	.0281	.0039	.0024
%RSD	1.107	.9263	.8506	.5635	3.772	3.904	3.800	.7469	4.479
#1	2.242	.0512	.0539	.4974	.1762	.2570	.7187	.5206	.0521
#2	2.277	.0518	.0545	.5013	.1859	.2716	.7584	.5261	.0556

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4881**	**.5190**	**2.338**	**2.164**	**.5202**	**2.611**	**.5907**	**2.158**	**46.58**
Stddev	.0187	.0032	.016	.016	.0030	.018	.0054	.025	.07
%RSD	3.825	.6228	.6889	.7372	.5750	.6803	.9146	1.136	.1594
#1	.4749	.5167	2.327	2.153	.5181	2.598	.5869	2.140	46.52
#2	.5014	.5213	2.350	2.175	.5223	2.623	.5945	2.175	46.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.205**	**52.00**	**40.72**	**363.7**	**2.641**	**2.210**	**2.082**	**3.108**	**2.113**
Stddev	.009	.14	.41	6.6	.025	.020	.081	.023	.014
%RSD	.4044	.2740	1.011	1.815	.9466	.8906	3.876	.7330	.6506
#1	2.199	51.90	40.43	359.1	2.623	2.196	2.025	3.092	2.103
#2	2.211	52.11	41.01	368.4	2.658	2.224	2.139	3.125	2.123

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.439**	**1.889**	**-.0109**	**-.0013**	**42.72**	**-.0008**	**.0064**
Stddev	.020	.073	.0007	.0001	.34	.0001	.0003
%RSD	.8071	3.879	6.278	7.755	.7890	12.09	5.402
#1	2.425	1.837	-.0104	-.0014	42.48	-.0008	.0061
#2	2.453	1.941	-.0114	-.0012	42.96	-.0007	.0066

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**168890.**	**35740.**	**1930.2**	**5501.5**
Stddev	5847.	263.	15.5	41.6
%RSD	3.4620	.73490	.80449	.75671
#1	173030.	35926.	1941.1	5530.9
#2	164760.	35554.	1919.2	5472.0

Zoom In Zoom Out

Sample Name: jb67783-1 Acquired: 6/2/2014 22:59:54 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0336**	**.0000**	**.0000**	**.0003**	**.0009**	**.0033**	**.2344**	**.0039**	**-.0004**
Stddev	.0001	.000	.0000	.0002	.0001	.0002	.0020	.0003	.0004
%RSD	.4090	210.1	39.68	63.01	10.00	5.410	.8536	7.592	112.5
#1	.0337	.0000	.0000	.0005	.0008	.0031	.2330	.0037	-.0001
#2	.0335	.0000	.0000	.0002	.0010	.0034	.2358	.0041	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0059**	**.0041**	**.0046**	**.0013**	**-.0016**	**-.0014**	**.0344**	**20.25**
Stddev	.0001	.0001	.0008	.0008	.0006	.0011	.0002	.0023	.12
%RSD	3.488	1.417	19.30	17.39	47.61	72.02	17.03	6.560	.6139
#1	.0022	.0058	.0035	.0040	.0009	-.0023	-.0012	.0360	20.34
#2	.0021	.0059	.0046	.0051	.0018	-.0008	-.0016	.0328	20.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9493**	**23.24**	**10.66**	**281.9**	**.2674**	**.0031**	**.0006**	**.5031**	**-.0003**
Stddev	.0043	.17	.02	.1	.0065	.0006	.0006	.0123	.0001
%RSD	.4498	.7307	.2056	.0277	2.417	19.76	91.98	2.437	45.62
#1	.9523	23.36	10.67	282.0	.2628	.0035	.0010	.4944	-.0002
#2	.9463	23.12	10.64	281.9	.2719	.0027	.0002	.5117	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2334**	**.0020**	**-.0170**	**-.0014**	**36.09**	**.0002**	**.0053**
Stddev	.0010	.0001	.0002	.0000	.66	.0001	.0001
%RSD	.4114	3.058	.9817	2.747	1.816	88.66	2.781
#1	.2341	.0019	-.0171	-.0014	35.63	.0003	.0052
#2	.2327	.0020	-.0169	-.0014	36.55	.0001	.0054

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163480.**	**36449.**	**1985.1**	**5690.4**
Stddev	1387.	100.	34.2	89.5
%RSD	.84855	.27349	1.7228	1.5728
#1	164460.	36378.	2009.3	5753.7
#2	162500.	36519.	1960.9	5627.1

Zoom In Zoom Out

Sample Name: mp79732-sd1 Acquired: 6/2/2014 23:06:00 Type: Unk
Method: Accutest1(v88) 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	**.0334**	**-.0003**	**.0001**	**-.0005**	**.0013**	**.0009**	**.2416**	**.0014**	**.0006**
Stddev	.0010	.0001	.0005	.0010	.0006	.0001	.0004	.0004	.0015
%RSD	2.989	25.00	1038.	196.4	43.01	8.239	.1568	28.65	261.7
#1	.0341	-.0003	.0004	.0002	.0017	.0009	.2419	.0017	-.0005
#2	.0327	-.0002	-.0003	-.0012	.0009	.0008	.2413	.0011	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.0190**	**.0064**	**.0081**	**.0044**	**.0043**	**.0030**	**.0164**	**20.67**
Stddev	.0000	.0005	.0030	.0010	.0028	.0036	.0051	.0023	.01
%RSD	.4299	2.728	46.54	12.58	64.51	83.16	170.2	13.95	.0269
#1	.0034	.0186	.0085	.0088	.0024	.0018	.0066	.0180	20.66
#2	.0034	.0193	.0043	.0074	.0064	.0068	-.0006	.0148	20.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9761**	**23.33**	**10.59**	**288.6**	**.2498**	**.0028**	**.0035**	**.5846**	**.0019**
Stddev	.0076	.03	.12	.2	.0063	.0002	.0004	.0044	.0026
%RSD	.7765	.1096	1.116	.0623	2.509	8.052	12.37	.7541	142.4
#1	.9707	23.35	10.68	288.7	.2454	.0030	.0032	.5814	.0000
#2	.9814	23.32	10.51	288.5	.2543	.0027	.0038	.5877	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2362**	**.0030**	**-.0790**	**-.0044**	**32.56**	**-.0081**	**.0118**
Stddev	.0000	.0009	.0007	.0004	.06	.0008	.0002
%RSD	.0176	28.45	.8264	9.471	.1953	9.492	1.780
#1	.2363	.0024	-.0795	-.0047	32.51	-.0087	.0120
#2	.2362	.0036	-.0786	-.0041	32.60	-.0076	.0117

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172200.**	**36199.**	**2113.0**	**6218.4**
Stddev	86.	13.	2.3	3.8
%RSD	.04999	.03558	.10816	.06045
#1	172260.	36208.	2114.6	6221.1
#2	172140.	36190.	2111.4	6215.8

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/2/2014 23:12:02 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0003**	**.0000**	**-.0004**	**.0000**	**-.0003**	**-.0002**
Stddev	.0001	.000	.000	.0001	.000	.0001	.000	.0001	.0004
%RSD	92.11	13.37	209.7	24.99	349.7	35.99	54.12	50.85	143.7
#1	-.0002	.0000	-.0001	.0003	.0001	-.0005	.0000	-.0002	.0000
#2	.0000	.0000	.0000	.0002	-.0001	-.0003	.0000	-.0004	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0014**	**.0010**	**.0036**	**-.0006**	**-.0008**	**-.0017**	**.0004**	**-.0088**
Stddev	.000	.0001	.0003	.0001	.0003	.0007	.0007	.0028	.0009
%RSD	356.8	4.965	33.80	2.420	49.70	94.46	38.91	636.6	10.56
#1	.0000	.0014	.0008	.0036	-.0004	-.0013	-.0022	.0024	-.0094
#2	-.0001	.0013	.0012	.0035	-.0008	-.0003	-.0012	-.0015	-.0081

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0008**	**.0107**	**.0201**	**.0373**	**.0002**	**-.0006**	**.0004**	**.0106**	**-.0002**
Stddev	.0005	.0061	.0008	.0013	.0000	.0000	.0001	.0016	.0006
%RSD	54.98	56.69	4.214	3.449	12.82	7.796	32.93	15.30	263.1
#1	-.0012	.0150	.0195	.0382	.0002	-.0006	.0005	.0094	-.0007
#2	-.0005	.0064	.0207	.0364	.0002	-.0006	.0003	.0117	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0187**	**-.0007**	**.0064**	**.0002**	**.0008**
Stddev	.0000	.0001	.0013	.0001	.0027	.0013	.0001
%RSD	26.55	31.72	6.769	19.00	42.35	740.5	13.06
#1	.0001	.0005	-.0196	-.0006	.0083	.0011	.0008
#2	.0001	.0003	-.0178	-.0008	.0045	-.0007	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**179250.**	**37402.**	**2151.7**	**6527.5**
Stddev	970.	994.	16.8	41.5
%RSD	.54140	2.6588	.78048	.63589
#1	178570.	38105.	2163.6	6556.8
#2	179940.	36699.	2139.9	6498.1

Zoom In Zoom Out

Sample Name: mp79805-mb1 1 Acquired: 6/2/2014 23:18:07 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**-.0001**	**.0001**	**-.0005**	**.0000**	**-.0012**	**.0000**
Stddev	.0000	.000	.0000	.0000	.0001	.0001	.0000	.0000	.000
%RSD	13.53	.3495	13.08	8.394	63.26	10.23	79.25	2.570	244.5
#1	.0004	.0000	.0002	-.0001	.0001	-.0005	.0000	-.0012	-.0001
#2	.0003	.0000	.0002	-.0001	.0000	-.0006	.0000	-.0011	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0015**	**-.0007**	**.0004**	**-.0001**	**.0010**	**.0000**	**.0033**	**-.0058**
Stddev	.0000	.0001	.0005	.0003	.0004	.0026	.001	.0012	.0015
%RSD	23.67	6.077	74.50	71.27	438.5	255.3	3424.	36.22	25.27
#1	.0001	.0015	-.0011	.0007	-.0004	.0029	-.0005	.0024	-.0048
#2	.0001	.0014	-.0003	.0002	.0002	-.0008	.0005	.0041	-.0069

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0003**	**.0019**	**.0117**	**.0259**	**-.0009**	**-.0001**	**.0005**	**.0088**	**.0002**
Stddev	.0005	.0059	.0078	.0006	.0003	.0000	.0006	.0001	.0001
%RSD	167.1	314.8	66.38	2.180	34.41	16.70	111.9	.7234	42.05
#1	.0006	-.0023	.0172	.0255	-.0006	-.0001	.0001	.0088	.0002
#2	-.0001	.0060	.0062	.0263	-.0011	-.0001	.0009	.0087	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0149**	**-.0006**	**.0052**	**-.0022**	**.0008**
Stddev	.0000	.0001	.0003	.0001	.0013	.0006	.0009
%RSD	23.90	14.84	1.759	9.435	25.96	27.46	114.2
#1	.0001	.0004	-.0151	-.0006	.0042	-.0018	.0015
#2	.0001	.0003	-.0147	-.0006	.0061	-.0026	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**178390.**	**36496.**	**2146.7**	**6483.0**
Stddev	158.	83.	3.8	4.9
%RSD	.08866	.22866	.17776	.07511
#1	178280.	36555.	2149.4	6486.4
#2	178500.	36437.	2144.0	6479.5

Zoom In Zoom Out

Sample Name: mp79805-lc1 Acquired: 6/2/2014 23:24:12 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5416**	**.5060**	**.5433**	**.4780**	**.4758**	**.5183**	**.5028**	**.5034**	**.2033**
Stddev	.0021	.0005	.0050	.0035	.0013	.0021	.0015	.0021	.0004
%RSD	.3891	.1014	.9258	.7240	.2774	.4018	.2991	.4224	.2148
#1	.5401	.5057	.5397	.4755	.4748	.5198	.5017	.5019	.2030
#2	.5431	.5064	.5468	.4804	.4767	.5168	.5038	.5049	.2036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4984**	**.5157**	**.5513**	**.5530**	**.5122**	**.6071**	**.5678**	**5.131**	**5.117**
Stddev	.0031	.0029	.0055	.0061	.0018	.0050	.0068	.016	.010
%RSD	.6308	.5594	.9978	1.105	.3452	.8166	1.197	.3053	.1959
#1	.4962	.5136	.5474	.5487	.5110	.6036	.5630	5.120	5.124
#2	.5007	.5177	.5552	.5573	.5135	.6106	.5726	5.142	5.110

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.646**	**5.120**	**10.89**	**11.24**	**.0086**	**.5354**	**.0038**	**-.0035**	**-.0009**
Stddev	.003	.014	.03	.06	.0002	.0056	.0000	.0003	.0002
%RSD	.0490	.2782	.2506	.5017	2.769	1.044	.2020	7.261	25.87
#1	5.648	5.130	10.87	11.20	.0088	.5314	.0038	-.0037	-.0011
#2	5.644	5.110	10.91	11.28	.0085	.5393	.0038	-.0033	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5042**	**-.0136**	**-.0008**	**.0003**	**-.0027**	**.0004**
Stddev	.0000	.0002	.0000	.0001	.0003	.0003	.0001
%RSD	22.92	.0461	.2295	11.04	79.33	12.73	18.44
#1	-.0002	.5040	-.0135	-.0007	.0001	-.0025	.0004
#2	-.0002	.5043	-.0136	-.0008	.0005	-.0029	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**174270.**	**36195.**	**2089.0**	**6265.0**
Stddev	29.	38.	17.3	34.0
%RSD	.01685	.10617	.82952	.54261
#1	174290.	36222.	2101.2	6289.0
#2	174250.	36168.	2076.7	6240.9

Zoom In Zoom Out

Sample Name: mp79805-lc2 Acquired: 6/2/2014 23:30:05 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5187**	**.4830**	**.5158**	**.4516**	**.4541**	**.4954**	**.4782**	**.4760**	**.1935**
Stddev	.0046	.0032	.0029	.0018	.0013	.0021	.0008	.0021	.0004
%RSD	.8957	.6673	.5690	.4069	.2782	.4303	.1652	.4484	.2089
#1	.5155	.4807	.5138	.4503	.4532	.4939	.4776	.4745	.1932
#2	.5220	.4853	.5179	.4529	.4550	.4969	.4787	.4775	.1938

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4739**	**.4884**	**.5224**	**.5231**	**.4832**	**.5730**	**.5419**	**4.910**	**4.889**
Stddev	.0001	.0022	.0028	.0013	.0016	.0043	.0039	.033	.037
%RSD	.0247	.4473	.5386	.2509	.3306	.7492	.7180	.6697	.7616
#1	.4738	.4868	.5204	.5222	.4821	.5699	.5391	4.886	4.863
#2	.4740	.4899	.5244	.5241	.4844	.5760	.5446	4.933	4.915

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.389**	**4.882**	**10.42**	**10.73**	**.0071**	**.5063**	**.0037**	**-.0043**	**-.0002**
Stddev	.042	.032	.06	.07	.0002	.0015	.0002	.0010	.0005
%RSD	.7814	.6627	.5294	.6412	2.857	.3012	5.549	24.58	272.7
#1	5.359	4.859	10.38	10.68	.0069	.5052	.0035	-.0050	-.0006
#2	5.419	4.905	10.46	10.78	.0072	.5074	.0038	-.0035	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4812**	**-.0140**	**-.0007**	**.0000**	**-.0035**	**.0016**
Stddev	.0000	.0014	.0007	.0000	.0023	.0001	.0003
%RSD	17.96	.2988	4.653	2.956	46080.	4.212	17.93
#1	-.0001	.4802	-.0135	-.0007	-.0016	-.0034	.0014
#2	-.0001	.4822	-.0145	-.0007	.0017	-.0036	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	176070.	36650.	2129.5	6399.1
Stddev	364.	240.	9.2	18.8
%RSD	.20647	.65524	.43372	.29382
#1	176330.	36820.	2136.0	6412.4
#2	175820.	36481.	2122.9	6385.8

Zoom In Zoom Out

Sample Name: mp79805-s1 Acquired: 6/2/2014 23:35:58 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.200**	**.0505**	**.0548**	**.4968**	**.1908**	**.2759**	**.7168**	**.5190**
Stddev	.017	.0005	.0002	.0041	.0016	.0010	.0043	.0042
%RSD	.7667	1.049	.3435	.8344	.8385	.3710	.6066	.8046
#1	2.212	.0508	.0547	.4939	.1897	.2752	.7138	.5160
#2	2.188	.0501	.0549	.4997	.1919	.2766	.7199	.5219

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0537**	**.5024**	**.5157**	**2.352**	**2.172**	**.5186**	**2.709**	**.5947**
Stddev	.0001	.0025	.0049	.013	.007	.0026	.013	.0029
%RSD	.1378	.4999	.9597	.5460	.3045	.4981	.4640	.4934
#1	.0537	.5007	.5122	2.343	2.167	.5168	2.700	.5927
#2	.0538	.5042	.5192	2.361	2.176	.5204	2.718	.5968

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.225**	**201.9**	**1.052**	**39.86**	**52.05**	**122.5**	**.3232**	**-.0001**
Stddev	.024	3.5	.009	.48	.46	1.9	.0017	.0000
%RSD	1.098	1.716	.8191	1.194	.8762	1.555	.5334	70.79
#1	2.242	204.3	1.058	40.20	52.37	123.8	.3219	-.0001
#2	2.208	199.4	1.046	39.52	51.73	121.1	.3244	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0052**	**.8664**	**-.0024**	**.3088**	**.0017**	**-.0144**	F **-.0135**	F **283.8**
Stddev	.0008	.0053	.0001	.0027	.0003	.0004	.0001	1.1
%RSD	16.33	.6159	3.624	.8798	16.37	2.533	.5434	.3721
#1	.0058	.8626	-.0023	.3107	.0019	-.0146	-.0134	283.1
#2	.0046	.8702	-.0025	.3068	.0015	-.0141	-.0135	284.6

Elem	Bi2230	Li6707
Avg	**-.0033**	**.1458**
Stddev	.0006	.0003
%RSD	18.80	.2358
#1	-.0028	.1460
#2	-.0037	.1456

Zoom In Zoom Out

Sample Name: mp79805-s1 Acquired: 6/2/2014 23:35:58 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160140.**	**35693.**	**1901.0**	**5518.9**
Stddev	802.	308.	7.6	24.9
%RSD	.50103	.86289	.40223	.45115
#1	160710.	35475.	1906.5	5536.5
#2	159580.	35911.	1895.6	5501.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/2/2014 23:42:03 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.096**	**1.960**	**2.029**	**1.868**	F **1.798**	**2.081**	**1.903**	**1.906**	**.2374**
Stddev	.026	.025	.000	.001	.008	.003	.006	.004	.0004
%RSD	1.254	1.281	.0086	.0625	.4579	.1502	.3407	.2067	.1799
#1	2.077	1.943	2.029	1.869	1.792	2.079	1.898	1.909	.2371
#2	2.115	1.978	2.029	1.867	1.804	2.083	1.907	1.903	.2377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					2.000				
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	**1.977**	F **1.800**	**2.051**	**2.026**	**1.919**	**2.103**	**2.140**	**38.65**	F **35.36**
Stddev	.005	.003	.001	.006	.003	.007	.004	.67	.36
%RSD	.2351	.1718	.0246	.2928	.1776	.3249	.1974	1.726	1.021
#1	1.973	1.802	2.051	2.030	1.922	2.107	2.137	38.18	35.10
#2	1.980	1.798	2.051	2.022	1.917	2.098	2.143	39.12	35.61
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		2.000							40.00
Range		-10.00%							-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.15**	F **35.53**	**40.34**	**41.52**	**2.077**	**2.083**	**2.002**	**5.391**	**2.021**
Stddev	.40	.33	.62	.67	.001	.001	.002	.001	.003
%RSD	1.047	.9336	1.527	1.611	.0639	.0526	.0801	.0085	.1409
#1	37.86	35.29	39.90	41.05	2.076	2.082	2.001	5.391	2.023
#2	38.43	35.76	40.77	41.99	2.078	2.084	2.003	5.391	2.019
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: 6/2/2014 23:42:03 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.089**	**1.913**	**1.962**	**1.925**	**2.030**	F **2.232**	**2.181**
Stddev	.031	.004	.005	.003	.009	.001	.036
%RSD	1.489	.2366	.2824	.1625	.4236	.0615	1.641
#1	2.067	1.910	1.959	1.923	2.037	2.233	2.156
#2	2.111	1.916	1.966	1.927	2.024	2.231	2.206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**170510.**	**35900.**	**2074.1**	**6021.6**
Stddev	506.	481.	3.3	14.9
%RSD	.29683	1.3410	.15693	.24786
#1	170870.	36240.	2071.8	6011.0
#2	170150.	35560.	2076.4	6032.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/2/2014 23:47:54 Type: QC
Method: Accutest1(v88) 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**	**.0001**	**-.0004**	**.0001**	**-.0008**
Stddev	.0000	.0000	.0001	.0001	.0002	.0001	.0000	.0000
%RSD	227.7	106.8	30.67	82.44	120.8	16.92	1.386	.3314
#1	.0000	.0000	.0004	.0001	.0000	-.0003	.0001	-.0008
#2	.0000	.0000	.0002	.0000	.0003	-.0004	.0001	-.0008
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**	**.0001**	**.0004**	**.0000**	**.0000**	**.0010**
Stddev	.0000	.0000	.0001	.0001	.0003	.000	.001	.0004
%RSD	.8443	27.07	58.93	93.46	58.27	1044.	2006.	38.12
#1	.0001	.0002	.0001	.0000	.0006	.0002	.0003	.0007
#2	.0001	.0001	.0003	.0001	.0003	-.0002	-.0003	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0036**	**-.0040**	**.0006**	**.0017**	**.0274**	**.0278**	**.0000**	**.0007**
Stddev	.0019	.0011	.0012	.0099	.0074	.0008	.000	.0000
%RSD	53.25	28.46	211.8	576.8	27.13	2.841	110.3	6.292
#1	-.0023	-.0032	-.0003	.0087	.0221	.0272	.0000	.0007
#2	-.0050	-.0048	.0014	-.0053	.0326	.0283	.0000	.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: 6/2/2014 23:47:54 Type: QC
Method: Accutest1(v88) 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**	**.0038**	**.0002**	**.0001**	**.0004**	**-.0080**	**-.0001**	W **.0059**
Stddev	.0006	.0009	.0001	.0000	.0002	.0008	.0000	.0004
%RSD	56.19	24.28	23.06	21.47	39.90	10.09	8.857	6.148
#1	.0014	.0031	.0002	.0001	.0005	-.0074	-.0001	.0062
#2	.0006	.0044	.0003	.0001	.0003	-.0086	-.0001	.0056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0011**	**.0013**
Stddev	.0006	.0005
%RSD	49.99	37.29
#1	-.0015	.0010
#2	-.0007	.0017
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	**180240.**	**37244.**	**2172.7**	**6494.7**
Stddev	214.	15.	27.6	71.7
%RSD	.11893	.04148	1.2701	1.1034
#1	180390.	37233.	2192.2	6545.4
#2	180090.	37255.	2153.2	6444.1

Zoom In Zoom Out

Sample Name: mp79805-s2 Acquired: 6/2/2014 23:54:00 Type: Unk
Method: Accutest1(v88) 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	**2.279**	**.0520**	**.0568**	**.5069**	**.1943**	**.2829**	**.7355**	**.5272**
Stddev	.001	.0001	.0006	.0015	.0003	.0001	.0015	.0010
%RSD	.0367	.1700	1.078	.3024	.1604	.0498	.2047	.1972
#1	2.279	.0521	.0564	.5058	.1941	.2830	.7344	.5264
#2	2.280	.0519	.0572	.5080	.1945	.2828	.7366	.5279

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0546**	**.5112**	**.5232**	**2.405**	**2.208**	**.5258**	**2.765**	**.6084**
Stddev	.0003	.0004	.0011	.012	.016	.0009	.019	.0021
%RSD	.4683	.0862	.2156	.4864	.7237	.1760	.6996	.3496
#1	.0548	.5109	.5224	2.396	2.196	.5252	2.751	.6069
#2	.0544	.5115	.5240	2.413	2.219	.5265	2.779	.6099

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.328**	**212.7**	**1.085**	**41.27**	**54.78**	**128.1**	**.3404**	**.0001**
Stddev	.006	1.9	.001	.01	.08	1.0	.0019	.0000
%RSD	.2647	.8901	.1251	.0286	.1531	.7419	.5724	37.60
#1	2.332	211.4	1.084	41.28	54.84	128.8	.3390	.0001
#2	2.323	214.0	1.086	41.27	54.72	127.5	.3417	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059**	**.8926**	**-.0022**	**.3290**	**.0018**	**-.0113**	F **-.0124**	F **294.4**
Stddev	.0004	.0047	.0011	.0002	.0002	.0004	.0000	1.8
%RSD	6.203	.5260	50.26	.0657	9.784	3.383	.2187	.6209
#1	.0061	.8893	-.0014	.3289	.0016	-.0111	-.0123	293.1
#2	.0056	.8959	-.0030	.3292	.0019	-.0116	-.0124	295.7

Elem	Bi2230	Li6707
Avg	**-.0025**	**.1562**
Stddev	.0008	.0012
%RSD	32.22	.7796
#1	-.0031	.1571
#2	-.0019	.1554

Zoom In Zoom Out

Sample Name: mp79805-s2 Acquired: 6/2/2014 23:54:00 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160470.**	**35465.**	**1907.3**	**5532.1**
Stddev	70.	27.	10.3	19.9
%RSD	.04359	.07632	.54040	.36005
#1	160520.	35446.	1914.6	5546.2
#2	160420.	35484.	1900.0	5518.0

Zoom In Zoom Out

Sample Name: jb68057-3 Acquired: 6/3/2014 0:00:03 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0051**	**.0000**	**.0006**	**.0001**	**.0002**	**.0012**	**.2250**	**.0029**
Stddev	.0001	.000	.0001	.0003	.0001	.0001	.0001	.0001
%RSD	1.025	18.80	17.27	377.0	31.12	7.959	.0555	2.085
#1	.0050	.0000	.0007	-.0001	.0002	.0012	.2249	.0029
#2	.0051	.0000	.0005	.0003	.0003	.0013	.2251	.0029

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0004**	**.0003**	**.0022**	**.0123**	**.0024**	**.0047**	**.0016**	**-.0004**
Stddev	.0001	.0002	.0000	.0006	.0007	.0004	.0012	.0001
%RSD	37.98	71.90	1.106	4.933	31.29	8.337	73.46	28.33
#1	-.0003	.0004	.0022	.0127	.0029	.0050	.0025	-.0003
#2	-.0005	.0001	.0022	.0118	.0019	.0044	.0008	-.0005

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1451**	**190.7**	**.0034**	**16.81**	**25.36**	**96.82**	**.3261**	**-.0014**
Stddev	.0004	.8	.0002	.18	.03	.46	.0016	.0001
%RSD	.3020	.4065	4.580	1.096	.1068	.4800	.4943	4.201
#1	.1448	190.2	.0033	16.94	25.38	96.50	.3250	-.0013
#2	.1454	191.3	.0035	16.68	25.34	97.15	.3273	-.0014

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0037**	**.8553**	**-.0014**	**.3217**	**.0004**	**-.0162**	F **-.0119**	F **286.5**
Stddev	.0008	.0014	.0004	.0011	.0002	.0006	.0000	.3
%RSD	21.31	.1616	24.70	.3484	56.08	3.796	.0497	.1004
#1	.0031	.8543	-.0017	.3224	.0005	-.0167	-.0119	286.2
#2	.0042	.8563	-.0012	.3209	.0002	-.0158	-.0119	286.7

Elem	Bi2230	Li6707
Avg	**.0004**	**.1512**
Stddev	.0005	.0008
%RSD	102.2	.5338
#1	.0001	.1518
#2	.0008	.1506

Zoom In Zoom Out

Sample Name: jb68057-3 Acquired: 6/3/2014 0:00:03 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163550.**	**35580.**	**1976.6**	**5724.8**
Stddev	77.	200.	6.8	8.0
%RSD	.04736	.56230	.34616	.13908
#1	163600.	35439.	1981.5	5730.4
#2	163490.	35722.	1971.8	5719.1

Zoom In Zoom Out

Sample Name: mp79805-sd1 Acquired: 6/3/2014 0:06:14 Type: Unk
Method: Accutest1(v88) 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	**.0055**	**-.0002**	**.0014**	**-.0002**	**-.0021**	**.0017**	**.2265**	**-.0011**	**-.0012**
Stddev	.0002	.0000	.0007	.0002	.0007	.0003	.0006	.0001	.0005
%RSD	4.306	.4922	50.37	100.2	34.67	16.69	.2637	7.744	45.58
#1	.0053	-.0002	.0019	-.0004	-.0026	.0019	.2261	-.0011	-.0015
#2	.0056	-.0002	.0009	-.0001	-.0016	.0015	.2270	-.0010	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0177**	**.0082**	**-.0017**	**.0005**	**-.0260**	**-.0008**	**.1847**	**191.5**
Stddev	.0002	.0002	.0011	.0015	.0015	.0005	.0021	.0190	.3
%RSD	115.9	.9253	13.27	88.19	325.2	2.116	261.1	10.29	.1599
#1	.0000	-.0176	.0074	-.0028	.0015	-.0264	.0007	.1981	191.3
#2	.0004	-.0178	.0090	-.0006	-.0006	-.0256	-.0023	.1713	191.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0004**	**16.30**	**24.19**	**93.77**	**.3021**	**-.0038**	**.0069**	**.8605**	**-.0067**
Stddev	.0025	.09	.15	.24	.0027	.0001	.0020	.0021	.0001
%RSD	608.9	.5755	.6336	.2570	.8913	2.994	29.21	.2491	2.113
#1	.0022	16.36	24.08	93.94	.3040	-.0039	.0083	.8590	-.0066
#2	-.0014	16.23	24.30	93.60	.3002	-.0037	.0055	.8620	-.0067

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3151**	**.0007**	**.3684**	**-.0126**	**267.0**	**-.0085**	**.1518**
Stddev	.0005	.0007	.0007	.0002	1.2	.0000	.0006
%RSD	.1594	106.8	.2020	1.388	.4417	.3957	.3712
#1	.3154	.0012	.3689	-.0125	267.8	-.0085	.1522
#2	.3147	.0002	.3678	-.0127	266.1	-.0085	.1514

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172020.**	**35995.**	**2114.3**	**6263.1**
Stddev	322.	25.	3.7	13.2
%RSD	.18708	.06977	.17500	.21084
#1	171790.	35977.	2111.7	6253.7
#2	172250.	36013.	2116.9	6272.4

Zoom In Zoom Out

Sample Name: jb68057-3f Acquired: 6/3/2014 0:12:13 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0047**	**.0000**	**.0004**	**.0004**	**.0000**	**.0015**	**.2296**	**.0028**
Stddev	.0001	.000	.0000	.0001	.0000	.0001	.0006	.0001
%RSD	2.486	46.88	5.367	24.59	112.7	8.201	.2741	3.110
#1	.0048	.0000	.0005	.0004	.0001	.0014	.2301	.0028
#2	.0046	-.0001	.0004	.0003	.0000	.0016	.2292	.0027

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0002**	**.0027**	**.0127**	**.0018**	**.0047**	**.0018**	**-.0011**
Stddev	.0000	.0002	.0000	.0004	.0003	.0006	.0009	.0015
%RSD	5.229	68.01	1.357	2.997	14.39	12.19	51.58	134.6
#1	-.0001	.0003	.0027	.0124	.0020	.0043	.0025	-.0001
#2	-.0002	.0001	.0027	.0129	.0016	.0052	.0012	-.0022

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1362**	**193.0**	**.0056**	**17.00**	**25.78**	**99.57**	**.3337**	**-.0015**
Stddev	.0029	2.0	.0013	.04	.06	.75	.0012	.0003
%RSD	2.128	1.057	22.66	.2103	.2496	.7567	.3473	17.28
#1	.1341	194.5	.0047	17.03	25.74	99.04	.3328	-.0017
#2	.1382	191.6	.0065	16.98	25.83	100.1	.3345	-.0013

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0034**	**.8770**	**-.0020**	**.3280**	**.0003**	**-.0178**	F **-.0120**	F **290.0**
Stddev	.0012	.0009	.0005	.0003	.0002	.0000	.0001	.3
%RSD	35.95	.1024	23.59	.0980	73.47	.1813	.4755	.0957
#1	.0025	.8777	-.0023	.3278	.0001	-.0178	-.0121	289.8
#2	.0042	.8764	-.0016	.3282	.0005	-.0178	-.0120	290.2

Elem	Bi2230	Li6707
Avg	**.0002**	**.1536**
Stddev	.0008	.0004
%RSD	367.5	.2302
#1	-.0003	.1539
#2	.0008	.1534

Zoom In Zoom Out

Sample Name: jb68057-3f Acquired: 6/3/2014 0:12:13 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**161030.**	**35267.**	**1943.2**	**5647.5**
Stddev	47.	28.	9.0	16.4
%RSD	.02904	.07837	.46074	.29061
#1	161060.	35286.	1949.6	5659.1
#2	161000.	35247.	1936.9	5635.9

Zoom In Zoom Out

Sample Name: jb68093-1 Acquired: 6/3/2014 0:18:23 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0706**	**.0001**	**.0003**	**.0050**	**.0301**	**.0572**	**.1177**	**.0122**	**.0005**
Stddev	.0005	.0000	.0000	.0002	.0003	.0004	.0000	.0005	.0003
%RSD	.7708	13.78	13.34	3.838	.9332	.6363	.0253	4.062	65.17
#1	.0703	.0001	.0003	.0052	.0299	.0575	.1177	.0119	.0003
#2	.0710	.0001	.0003	.0049	.0303	.0569	.1178	.0126	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0261**	**.0396**	**.0063**	**.0014**	**.0240**	**.0011**	**-.0004**	**5.598**	**84.19**
Stddev	.0001	.0003	.0001	.0004	.0002	.0021	.0003	.042	.46
%RSD	.3752	.6888	1.666	30.01	.6279	188.0	67.55	.7495	.5432
#1	.0261	.0398	.0062	.0011	.0242	-.0004	-.0002	5.569	84.51
#2	.0260	.0394	.0064	.0017	.0239	.0026	-.0007	5.628	83.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.659**	**1.201**	**49.93**	**287.0**	**.0375**	**.0087**	**.0017**	**12.11**	**.0024**
Stddev	.005	.000	.28	2.7	.0005	.0002	.0001	.02	.0004
%RSD	.0802	.0261	.5661	.9565	1.410	2.744	6.283	.1642	19.14
#1	6.663	1.201	49.73	285.1	.0379	.0089	.0016	12.09	.0020
#2	6.656	1.201	50.13	288.9	.0372	.0086	.0018	12.12	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.634**	**.1979**	**-.0157**	**-.0022**	**18.33**	**.0005**	**.0124**
Stddev	.007	.0001	.0009	.0001	.01	.0002	.0003
%RSD	.4320	.0664	5.652	2.747	.0625	31.46	2.279
#1	1.629	.1978	-.0163	-.0022	18.32	.0004	.0122
#2	1.639	.1980	-.0151	-.0021	18.33	.0006	.0126

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162480.**	**35658.**	**1934.3**	**5487.8**
Stddev	181.	49.	11.0	16.0
%RSD	.11133	.13693	.57044	.29167
#1	162350.	35692.	1942.1	5499.2
#2	162610.	35623.	1926.5	5476.5

Zoom In Zoom Out

Sample Name: mp79805-mb2 Acquired: 6/3/2014 0:24:27 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**.0001**	**.0001**	**.0001**	**-.0004**	**.0000**	**-.0010**	**.0000**
Stddev	.0000	.0000	.0001	.0000	.0002	.0004	.000	.0000	.000
%RSD	33.58	35.92	89.23	9.518	346.2	93.57	79.76	.2764	267.2
#1	-.0001	.0000	.0002	.0001	-.0001	-.0001	-.0001	-.0010	-.0001
#2	-.0001	-.0001	.0000	.0002	.0002	-.0007	.0000	-.0010	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0008**	**-.0009**	**.0002**	**-.0011**	**.0019**	**.0005**	**.0005**	**-.0033**
Stddev	.0000	.0000	.0001	.0003	.0005	.0016	.0001	.0004	.0001
%RSD	18.70	2.564	7.892	177.5	50.83	82.57	16.22	68.74	4.151
#1	.0001	.0009	-.0010	.0003	-.0014	.0030	.0005	.0008	-.0034
#2	.0001	.0008	-.0009	.0000	-.0007	.0008	.0006	.0003	-.0032

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0006**	**.0014**	**.0249**	**.0516**	**-.0009**	**-.0006**	**.0003**	**.0125**	**.0004**
Stddev	.0006	.0003	.0137	.0058	.0001	.0000	.0004	.0006	.0003
%RSD	97.23	24.09	54.96	11.16	10.12	8.141	150.5	4.785	77.52
#1	.0002	.0016	.0152	.0556	-.0008	-.0006	.0005	.0121	.0007
#2	.0011	.0012	.0346	.0475	-.0009	-.0005	.0000	.0129	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0158**	**-.0005**	**.0097**	**-.0019**	**.0007**
Stddev	.0000	.0001	.0003	.0001	.0008	.0006	.0001
%RSD	35.83	48.19	1.710	16.94	8.664	31.51	9.634
#1	.0001	.0004	-.0156	-.0005	.0103	-.0014	.0007
#2	.0000	.0002	-.0160	-.0006	.0091	-.0023	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**178120.**	**36690.**	**2182.7**	**6514.4**
Stddev	216.	33.	1.0	5.6
%RSD	.12119	.08933	.04689	.08598
#1	177970.	36667.	2182.0	6518.4
#2	178280.	36713.	2183.4	6510.5

Zoom In Zoom Out

Sample Name: mp79781-mb1 2 Acquired: 6/3/2014 0:30:32 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0003**	**-.0001**	**.0000**	**-.0003**	**.0001**	**-.0012**	**-.0003**
Stddev	.0001	.000	.0000	.0000	.000	.0001	.0000	.0000	.0002
%RSD	43.91	73.29	14.62	33.56	530.4	32.28	56.90	.1721	56.01
#1	-.0003	.0000	.0002	-.0002	.0001	-.0003	.0001	-.0012	-.0002
#2	-.0001	.0000	.0003	-.0001	-.0002	-.0002	.0000	-.0012	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0011**	**-.0008**	**-.0004**	**-.0008**	**.0013**	**.0009**	**.0038**	**-.0051**
Stddev	.0000	.0000	.0002	.0007	.0000	.0011	.0002	.0007	.0004
%RSD	17.43	.1976	26.00	163.8	1.005	80.49	18.65	17.53	7.296
#1	.0002	.0011	-.0006	-.0009	-.0008	.0021	.0008	.0033	-.0049
#2	.0001	.0011	-.0009	.0001	-.0008	.0006	.0010	.0043	-.0054

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0011**	**-.0003**	**-.0022**	**.0367**	**-.0010**	**-.0005**	**.0006**	**.0246**	**.0002**
Stddev	.0005	.0077	.0156	.0008	.0003	.0001	.0003	.0003	.0008
%RSD	47.51	3071.	721.5	2.081	31.21	19.58	52.72	1.064	453.7
#1	.0014	.0052	.0089	.0373	-.0012	-.0006	.0003	.0247	-.0004
#2	.0007	-.0057	-.0132	.0362	-.0008	-.0005	.0008	.0244	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0165**	**-.0004**	**.0078**	**-.0023**	**.0009**
Stddev	.0000	.0002	.0006	.0000	.0006	.0003	.0001
%RSD	.9139	62.61	3.914	8.041	7.694	14.25	10.16
#1	.0001	.0002	-.0169	-.0005	.0083	-.0025	.0010
#2	.0001	.0005	-.0160	-.0004	.0074	-.0021	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**178130.**	**36588.**	**2225.0**	**6671.3**
Stddev	324.	171.	23.2	65.3
%RSD	.18172	.46621	1.0405	.97867
#1	177900.	36708.	2208.6	6625.2
#2	178360.	36467.	2241.3	6717.5

Zoom In Zoom Out

Sample Name: mp79781-lc1 2 Acquired: 6/3/2014 0:36:36 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5167**	**.4875**	**.4942**	**.4497**	**.4590**	**.4910**	**.4815**	**.4695**	**.1862**
Stddev	.0001	.0003	.0002	.0004	.0022	.0010	.0015	.0009	.0002
%RSD	.0113	.0596	.0358	.0949	.4775	.2060	.3161	.1908	.0902
#1	.5166	.4873	.4943	.4500	.4574	.4917	.4804	.4701	.1863
#2	.5167	.4877	.4941	.4494	.4605	.4902	.4826	.4689	.1861

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4769**	**.4809**	**.4973**	**.4984**	**.4693**	**.5269**	**.5142**	**4.900**	**4.948**
Stddev	.0000	.0013	.0004	.0012	.0004	.0019	.0007	.003	.007
%RSD	.0067	.2768	.0903	.2377	.0747	.3655	.1342	.0579	.1370
#1	.4769	.4818	.4976	.4992	.4690	.5255	.5147	4.898	4.953
#2	.4769	.4800	.4970	.4975	.4695	.5282	.5137	4.902	4.944

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.439**	**4.939**	**10.20**	**10.55**	**.0143**	**.5052**	**.0034**	**.0306**	**.0009**
Stddev	.001	.001	.02	.02	.0001	.0003	.0006	.0001	.0005
%RSD	.0242	.0243	.2118	.1689	.9050	.0651	18.36	.2601	60.48
#1	5.440	4.940	10.19	10.54	.0142	.5050	.0030	.0306	.0005
#2	5.438	4.938	10.22	10.56	.0143	.5054	.0039	.0305	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4831**	**-.0098**	**.0005**	**.0038**	**-.0054**	**.0022**
Stddev	.0000	.0007	.0002	.0000	.0002	.0006	.0006
%RSD	16.09	.1394	1.715	1.758	6.205	11.50	27.82
#1	-.0001	.4826	-.0097	.0005	.0036	-.0049	.0026
#2	-.0001	.4835	-.0100	.0005	.0039	-.0058	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**175380.**	**35933.**	**2143.6**	**6366.0**
Stddev	275.	14.	1.3	.9
%RSD	.15704	.03913	.05964	.01479
#1	175570.	35923.	2144.5	6365.4
#2	175180.	35943.	2142.7	6366.7

Zoom In Zoom Out

Sample Name: jb64500-35 Acquired: 6/3/2014 0:42:29 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0004**	**-.0001**	**.0000**	**-.0002**	**.0001**	**-.0011**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.000	.0001	.0000	.0001	.0001
%RSD	50.69	1.345	33.69	63.93	363.3	54.46	41.05	9.118	105.4
#1	-.0001	-.0001	.0003	-.0001	-.0002	-.0003	.0001	-.0012	.0001
#2	.0000	-.0001	.0005	-.0001	.0001	-.0001	.0000	-.0010	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0012**	**-.0010**	**-.0002**	**-.0008**	**.0022**	**.0010**	**-.0032**	**.0008**
Stddev	.000	.0001	.0003	.0009	.0006	.0011	.0002	.0079	.0011
%RSD	8.475	5.150	27.24	391.8	72.35	49.18	15.07	245.2	146.7
#1	.0000	.0012	-.0008	-.0008	-.0012	.0014	.0009	.0024	.0000
#2	.0000	.0012	-.0012	.0004	-.0004	.0029	.0011	-.0088	.0015

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0020**	**-.0013**	**.0312**	**.0232**	**-.0009**	**-.0003**	**.0007**	**.0270**	**.0001**
Stddev	.0017	.0068	.0034	.0060	.0003	.0002	.0002	.0000	.0003
%RSD	84.32	542.3	11.04	25.68	33.19	60.29	21.38	.1157	229.6
#1	.0008	-.0061	.0288	.0275	-.0007	-.0002	.0006	.0270	.0003
#2	.0033	.0036	.0337	.0190	-.0011	-.0004	.0008	.0270	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0170**	**-.0005**	**.0048**	**-.0027**	**.0021**
Stddev	.0000	.0002	.0004	.0001	.0022	.0001	.0002
%RSD	16.68	67.69	2.273	14.13	45.65	1.984	8.299
#1	.0001	.0004	-.0167	-.0004	.0063	-.0027	.0022
#2	.0001	.0001	-.0172	-.0005	.0032	-.0027	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**179840.**	**36642.**	**2191.1**	**6568.2**
Stddev	134.	102.	4.0	17.2
%RSD	.07471	.27785	.18166	.26230
#1	179740.	36570.	2188.3	6556.0
#2	179930.	36714.	2193.9	6580.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 0:48:36 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.113**	**1.985**	**2.046**	**1.884**	**1.815**	**2.078**	**1.922**	**1.927**	**.2383**
Stddev	.001	.004	.004	.004	.003	.007	.004	.004	.0002
%RSD	.0663	.1774	.2155	.2041	.1829	.3153	.2149	.2018	.0706
#1	2.112	1.982	2.043	1.881	1.813	2.083	1.919	1.924	.2382
#2	2.114	1.987	2.049	1.886	1.818	2.074	1.925	1.930	.2384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**1.821**	**2.065**	**2.039**	**1.942**	**2.109**	**2.149**	**39.10**	F **35.91**
Stddev	.001	.001	.004	.000	.001	.002	.001	.03	.07
%RSD	.0666	.0759	.1970	.0133	.0462	.0720	.0396	.0728	.1883
#1	1.993	1.820	2.063	2.039	1.943	2.110	2.150	39.08	35.86
#2	1.995	1.822	2.068	2.039	1.942	2.108	2.148	39.12	35.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									40.00
Range									-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.68**	**36.29**	**40.80**	**42.05**	**2.074**	**2.097**	**2.000**	**5.440**	**2.036**
Stddev	.05	.11	.03	.02	.000	.000	.003	.004	.001
%RSD	.1366	.3083	.0762	.0369	.0055	.0075	.1285	.0638	.0448
#1	38.65	36.21	40.82	42.04	2.074	2.097	2.002	5.437	2.035
#2	38.72	36.37	40.77	42.06	2.074	2.097	1.998	5.442	2.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 0:48:36 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.112**	**1.931**	**1.977**	**1.937**	**2.045**	F **2.243**	**2.196**
Stddev	.003	.000	.005	.000	.014	.002	.001
%RSD	.1399	.0102	.2717	.0080	.6622	.0819	.0360
#1	2.110	1.930	1.973	1.937	2.055	2.242	2.197
#2	2.114	1.931	1.981	1.937	2.036	2.244	2.196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**170950.**	**35657.**	**2077.8**	**6025.1**
Stddev	257.	38.	1.2	.8
%RSD	.15008	.10560	.05883	.01343
#1	170770.	35684.	2076.9	6025.7
#2	171130.	35631.	2078.7	6024.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 0:54:27 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**-.0001**	**-.0001**	**-.0004**	**.0002**	**-.0011**	**-.0001**
Stddev	.0001	.0000	.0001	.0000	.0001	.0001	.0000	.0005	.0000
%RSD	501.4	13.24	38.70	32.66	239.8	18.10	6.336	45.80	39.62
#1	.0001	.0003	.0004	-.0001	.0000	-.0004	.0002	-.0007	-.0001
#2	-.0001	.0002	.0002	.0000	-.0002	-.0005	.0001	-.0015	.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	**.0003**	**.0003**	**-.0002**	**.0012**	**-.0009**	**.0023**	**.0009**	**.0017**	**-.0007**
Stddev	.0002	.0001	.0006	.0005	.0000	.0004	.0004	.0048	.0003
%RSD	48.07	22.46	275.7	44.29	5.271	19.18	38.64	279.9	46.94
#1	.0005	.0004	.0002	.0016	-.0010	.0026	.0007	.0051	-.0009
#2	.0002	.0003	-.0006	.0008	-.0009	.0020	.0012	-.0017	-.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0139**	**.0276**	**.0298**	**-.0004**	**.0005**	**.0012**	**.0030**	**.0006**
Stddev	.0018	.0005	.0123	.0050	.0000	.0003	.0002	.0017	.0001
%RSD	47.09	3.514	44.69	16.92	3.057	54.48	13.50	57.45	11.64
#1	.0052	.0136	.0363	.0334	-.0004	.0007	.0011	.0042	.0005
#2	.0026	.0143	.0189	.0263	-.0005	.0003	.0013	.0018	.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: 6/3/2014 0:54:27 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0006**	**-.0088**	**.0001**	**.0031**	**-.0018**	**.0018**
Stddev	.0001	.0001	.0023	.0001	.0005	.0001	.0000
%RSD	35.60	10.73	26.25	84.57	14.67	6.423	2.736
#1	.0004	.0007	-.0071	.0001	.0028	-.0017	.0018
#2	.0003	.0006	-.0104	.0000	.0034	-.0018	.0019
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	**178450.**	**36606.**	**2189.1**	**6534.6**
Stddev	566.	16.	19.1	49.7
%RSD	.31728	.04438	.87401	.76072
#1	178850.	36618.	2175.6	6499.5
#2	178050.	36595.	2202.6	6569.8

Zoom In Zoom Out

Sample Name: cri Acquired: 6/3/2014 1:00:34 Type: QC
Method: Accutest1(v88) 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	**.2117**	**.0021**	**.0036**	**.0481**	**.0095**	**.0100**	**.0150**	**.0090**
Stddev	.0003	.0000	.0000	.0002	.0001	.0002	.0000	.0003
%RSD	.1375	.2482	.1936	.4146	.8317	1.555	.1011	2.858
#1	.2115	.0021	.0036	.0482	.0096	.0101	.0150	.0088
#2	.2119	.0021	.0036	.0480	.0095	.0099	.0151	.0091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.0520**	**.0188**	**.0090**	**.0116**	W **.0022**	**.0110**	**.0071**
Stddev	.0001	.0000	.0001	.0002	.0009	.0004	.0007	.0004
%RSD	2.891	.0854	.3738	1.820	7.971	17.42	6.537	4.937
#1	.0049	.0520	.0188	.0089	.0110	.0025	.0105	.0073
#2	.0051	.0520	.0189	.0092	.0123	.0019	.0115	.0068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value						.0030		
Range						-20.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1970**	**4.560**	**.1027**	**4.726**	**5.187**	**5.329**	**.1054**	**.0216**
Stddev	.0032	.006	.0002	.023	.022	.031	.0001	.0002
%RSD	1.631	.1327	.2405	.4799	.4221	.5900	.1201	.6964
#1	.1992	4.556	.1025	4.742	5.203	5.351	.1055	.0215
#2	.1947	4.565	.1029	4.710	5.172	5.307	.1053	.0217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/3/2014 1:00:34 Type: QC
Method: Accutest1(v88) 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	**.0553**	**.2340**	**.0102**	**.0110**	**.0104**	**.0491**	**.0107**	**.0548**
Stddev	.0001	.0017	.0004	.0001	.0002	.0007	.0000	.0014
%RSD	.2187	.7247	3.546	.5172	1.525	1.403	.1110	2.559
#1	.0552	.2352	.0100	.0110	.0105	.0496	.0107	.0538
#2	.0554	.2328	.0105	.0110	.0102	.0486	.0107	.0558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0228**	W **.0256**
Stddev	.0006	.0004
%RSD	2.459	1.476
#1	.0224	.0258
#2	.0232	.0253
Check ?	Chk Pass	Chk Warn
Value		.0200
Range		20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**178990.**	**37184.**	**2164.0**	**6469.8**
Stddev	15.	59.	2.5	8.6
%RSD	.00847	.15909	.11607	.13300
#1	179000.	37142.	2165.8	6475.9
#2	178980.	37226.	2162.2	6463.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/3/2014 1:06:34 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0010**	**.0011**	**.0030**	**.0018**	**.0021**	**.0030**	W **.0029**
Stddev	.0000	.0000	.0002	.0000	.0002	.0000	.0000	.0000
%RSD	.1232	.4902	19.95	.6687	10.08	1.364	.2150	.2443
#1	.0042	.0010	.0010	.0030	.0019	.0020	.0030	.0029
#2	.0042	.0010	.0013	.0030	.0017	.0021	.0030	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value								.0040
Range								-20.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0007**	**.0019**	W **.0124**	**.0028**	W **.0025**	W **.0019**	W **.0060**	F **.0041**
Stddev	.0002	.0001	.0000	.0001	.0000	.0002	.0010	.0001
%RSD	33.69	3.489	.2556	2.062	.0323	9.214	16.38	3.620
#1	.0009	.0018	.0124	.0027	.0025	.0020	.0053	.0040
#2	.0006	.0019	.0124	.0028	.0025	.0017	.0067	.0042
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Fail
Value	.0010		.0100		.0020	.0025	.0050	.0030
Range	-20.00%		20.00%		20.00%	-20.00%	20.00%	30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0991**	**.9280**	**.0004**	**.0986**	**2.096**	**1.108**	**.0096**	**-.0004**
Stddev	.0001	.0044	.0003	.0056	.012	.007	.0000	.0001
%RSD	.0818	.4716	89.46	5.691	.5742	.5983	.1150	19.68
#1	.0990	.9311	.0001	.0946	2.088	1.103	.0096	-.0005
#2	.0991	.9249	.0006	.1025	2.105	1.112	.0096	-.0004
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: 6/3/2014 1:06:34 Type: QC
Method: Accutest1(v88) 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**	**.0015**	**-.0002**	**.0000**	**.0002**	F **-.0147**	F **-.0006**	**.0032**
Stddev	.0001	.0001	.0001	.0000	.0001	.0002	.0000	.0012
%RSD	23.53	6.909	59.45	68.56	49.11	1.131	6.980	36.28
#1	.0006	.0016	-.0001	.0000	.0001	-.0146	-.0006	.0040
#2	.0004	.0015	-.0002	.0000	.0003	-.0149	-.0006	.0024
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						-30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0016**	F **.0016**
Stddev	.0005	.0003
%RSD	28.99	17.39
#1	-.0012	.0018
#2	-.0019	.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	**178480.**	**36852.**	**2189.3**	**6574.7**
Stddev	4.	8.	18.2	24.9
%RSD	.00205	.02148	.83305	.37888
#1	178490.	36858.	2202.2	6592.3
#2	178480.	36846.	2176.4	6557.1

Zoom In Zoom Out

Sample Name: cria Acquired: 6/3/2014 1:12:39 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**.0001**	**.0000**	**-.0006**	**.0000**
Stddev	.0000	.000	.0000	.0000	.0000	.0000	.000	.0001	.000
%RSD	11.76	20.94	25.71	1.076	47.65	15.17	89.81	22.32	1948.
#1	-.0001	.0000	.0001	.0001	-.0001	.0002	.0000	-.0005	-.0002
#2	-.0001	.0000	.0002	.0001	-.0001	.0001	.0000	-.0007	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0007**	**.0197**	**.0001**	**.0190**	**.0256**	**.0224**	**.4971**	**.0012**
Stddev	.0000	.0001	.0009	.0003	.0009	.0001	.0014	.0010	.0017
%RSD	25.72	15.53	4.483	429.4	4.729	.2697	6.225	.1937	139.4
#1	.0001	.0008	.0204	-.0001	.0196	.0256	.0233	.4978	.0024
#2	.0001	.0007	.0191	.0002	.0183	.0257	.0214	.4965	.0000
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	**.5192**	**.0038**	**-.0009**	**.0264**	**-.0008**	**-.0004**	**.0007**	**-.0009**	**.0000**
Stddev	.0076	.0083	.0076	.0013	.0004	.0001	.0002	.0008	.0000
%RSD	1.464	216.5	871.1	4.784	49.21	24.10	28.02	85.41	157.3
#1	.5246	-.0020	.0045	.0273	-.0005	-.0005	.0009	-.0004	.0001
#2	.5138	.0097	-.0062	.0255	-.0011	-.0004	.0006	-.0015	.0000
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/3/2014 1:12:39 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0158**	**-.0005**	**.0024**	**-.0015**	**.0012**
Stddev	.0001	.0001	.0007	.0000	.0002	.0005	.0003
%RSD	429.1	25.88	4.170	7.866	8.515	36.64	20.50
#1	.0000	.0002	-.0153	-.0005	.0026	-.0019	.0014
#2	.0000	.0003	-.0162	-.0005	.0023	-.0011	.0010
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**181130.**	**36501.**	**2162.3**	**6471.1**
Stddev	1084.	385.	35.5	123.6
%RSD	.59817	1.0538	1.6401	1.9094
#1	181900.	36229.	2137.2	6383.7
#2	180360.	36773.	2187.3	6558.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 1:18:46 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.159**	**1.981**	**2.044**	**1.889**	**1.809**	**2.133**	**1.868**	**1.908**	**.2404**
Stddev	.000	.000	.004	.000	.000	.004	.000	.004	.0003
%RSD	.0081	.0171	.1869	.0190	.0091	.1711	.0099	.1848	.1137
#1	2.159	1.981	2.041	1.889	1.809	2.130	1.868	1.906	.2406
#2	2.159	1.980	2.046	1.889	1.808	2.135	1.868	1.911	.2402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.982**	F **1.796**	**2.072**	**2.016**	**1.911**	**2.143**	**2.189**	**38.62**	F **35.59**
Stddev	.001	.002	.006	.001	.001	.005	.003	.02	.02
%RSD	.0328	.1362	.3039	.0660	.0628	.2167	.1387	.0527	.0554
#1	1.983	1.794	2.068	2.015	1.911	2.140	2.187	38.61	35.57
#2	1.982	1.797	2.077	2.017	1.912	2.147	2.191	38.64	35.60
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		2.000							40.00
Range		-10.00%							-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.36**	F **35.15**	**40.50**	**41.71**	**2.140**	**2.112**	**2.060**	**5.431**	**2.044**
Stddev	.03	.03	.05	.04	.002	.005	.004	.006	.004
%RSD	.0710	.0826	.1284	.0922	.0865	.2404	.2148	.1092	.2182
#1	38.34	35.17	40.46	41.68	2.138	2.108	2.057	5.427	2.041
#2	38.38	35.13	40.54	41.73	2.141	2.115	2.063	5.435	2.047
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: 6/3/2014 1:18:46 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.089**	**1.884**	**1.992**	**1.918**	**2.047**	F **2.281**	F **2.244**
Stddev	.001	.002	.007	.003	.002	.005	.000
%RSD	.0311	.1148	.3291	.1367	.0811	.2342	.0136
#1	2.089	1.882	1.988	1.916	2.045	2.277	2.244
#2	2.088	1.885	1.997	1.920	2.048	2.285	2.245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
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	**169110.**	**35969.**	**2041.4**	**5976.8**
Stddev	422.	7.	4.5	11.6
%RSD	.24955	.01983	.21812	.19438
#1	169410.	35974.	2044.5	5985.0
#2	168810.	35964.	2038.2	5968.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 1:24:36 Type: QC
Method: Accutest1(v88) 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**	**.0002**	W **.0006**	**.0002**	**.0001**	**.0009**	**.0002**	**-.0008**
Stddev	.0001	.0000	.0001	.0001	.0004	.0002	.0000	.0002
%RSD	70.68	7.575	12.37	39.70	298.6	24.19	3.094	25.13
#1	.0001	.0002	.0005	.0002	.0004	.0010	.0003	-.0010
#2	.0002	.0002	.0006	.0003	-.0002	.0007	.0002	-.0007
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0005					
Low Limit			-.0005					

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0003**	**-.0001**	**-.0001**	**-.0004**	**.0009**	**.0005**
Stddev	.0001	.0000	.0001	.0005	.0005	.0004	.0001	.0003
%RSD	38.05	7.691	22.67	649.1	575.3	109.0	12.79	59.40
#1	.0001	.0003	.0003	.0003	.0003	-.0007	.0008	.0007
#2	.0002	.0003	.0004	-.0004	-.0004	-.0001	.0009	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0036**	**.0036**	**.0033**	**-.0034**	**.0321**	**-.0001**	**.0006**
Stddev	.007	.0011	.0001	.0075	.0050	.0014	.0002	.0001
%RSD	14420.	30.22	1.870	230.2	149.2	4.412	167.7	18.90
#1	-.0049	.0028	.0035	.0086	.0002	.0311	.0000	.0007
#2	.0048	.0043	.0036	-.0020	-.0069	.0331	-.0003	.0005
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: 6/3/2014 1:24:36 Type: QC
Method: Accutest1(v88) 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**	**.0027**	**.0003**	**.0003**	**.0004**	**-.0064**	**.0001**	**.0015**
Stddev	.0002	.0005	.0005	.0000	.0000	.0010	.0000	.0015
%RSD	27.79	19.76	138.7	4.664	10.71	16.41	22.73	105.5
#1	.0011	.0024	.0007	.0003	.0003	-.0056	.0001	.0025
#2	.0007	.0031	.0000	.0003	.0004	-.0071	.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0016**	**.0016**
Stddev	.0005	.0001
%RSD	30.12	7.827
#1	-.0020	.0015
#2	-.0013	.0017
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	**176830.**	**37048.**	**2149.5**	**6490.7**
Stddev	3073.	452.	21.8	48.5
%RSD	1.7379	1.2203	1.0119	.74768
#1	174660.	36728.	2164.8	6525.0
#2	179000.	37367.	2134.1	6456.4

Zoom In Zoom Out

Sample Name: jb67898-4 Acquired: 6/3/2014 1:30:42 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0004**	**-.0001**	**.0003**	**.0010**	**.0001**	**-.0012**	**.0001**
Stddev	.000	.000	.0000	.0002	.0000	.0000	.0000	.0003	.0000
%RSD	271.2	36.63	4.664	252.5	2.246	1.906	33.72	22.57	34.66
#1	.0000	.0000	.0004	-.0002	.0003	.0010	.0000	-.0010	.0000
#2	-.0001	.0000	.0004	.0001	.0003	.0011	.0001	-.0014	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0006**	**-.0009**	**-.0006**	**-.0010**	**.0016**	**.0002**	**.0021**	**.0248**
Stddev	.0000	.0001	.0008	.0002	.0016	.0001	.0001	.0003	.0004
%RSD	13.84	20.81	95.70	26.95	161.7	4.427	24.33	15.25	1.704
#1	-.0001	.0005	-.0014	-.0005	-.0021	.0015	.0003	.0019	.0245
#2	-.0001	.0007	-.0003	-.0008	.0001	.0016	.0002	.0023	.0251

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0038**	**.0060**	**.0028**	**.1134**	**.0002**	**.0000**	**.0004**	**.0247**	**.0010**
Stddev	.0015	.0138	.0108	.0016	.0001	.0001	.0000	.0009	.0000
%RSD	41.14	230.1	383.9	1.437	55.18	1073.	1.288	3.718	.1399
#1	.0027	-.0038	-.0048	.1122	.0001	-.0001	.0004	.0253	.0010
#2	.0048	.0158	.0104	.1145	.0002	.0001	.0004	.0240	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0104**	**-.0002**	**.0185**	**-.0012**	**.0023**
Stddev	.0000	.0003	.0001	.0001	.0005	.0001	.0006
%RSD	12.64	118.9	1.056	29.51	2.515	10.77	25.98
#1	.0001	.0000	-.0105	-.0001	.0182	-.0011	.0027
#2	.0001	.0004	-.0103	-.0002	.0189	-.0013	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**174370.**	**36025.**	**2088.8**	**6357.5**
Stddev	244.	153.	2.6	17.4
%RSD	.13966	.42479	.12665	.27397
#1	174550.	35916.	2086.9	6345.2
#2	174200.	36133.	2090.6	6369.8

Zoom In Zoom Out

Sample Name: jb67976-6 Acquired: 6/3/2014 1:36:46 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0005**	**.0012**	**.0001**	**-.0012**	**.0001**
Stddev	.0000	.000	.0001	.0001	.0001	.0000	.0000	.0001	.0001
%RSD	61.66	25.32	47.78	68.23	26.49	1.055	11.01	5.903	89.67
#1	.0000	.0000	.0002	.0000	.0006	.0012	.0001	-.0013	.0001
#2	.0000	.0000	.0003	.0001	.0004	.0012	.0001	-.0012	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0011**	**-.0011**	**-.0002**	**-.0013**	**.0024**	**.0006**	**-.0009**	**.0527**
Stddev	.0001	.0000	.0001	.0003	.0007	.0002	.0003	.0008	.0010
%RSD	39.56	2.542	5.285	117.2	53.49	8.917	46.15	90.26	1.873
#1	-.0002	.0011	-.0010	-.0004	-.0008	.0026	.0004	-.0015	.0520
#2	-.0001	.0011	-.0011	.0000	-.0017	.0023	.0008	-.0003	.0534

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0025**	**.0116**	**-.0168**	**.2111**	**.0001**	**-.0003**	**.0000**	**.0097**	**-.0001**
Stddev	.0007	.0020	.0022	.0008	.0002	.0001	.0005	.0003	.0000
%RSD	27.31	16.94	13.04	.3625	417.1	41.35	1130.	2.820	6.087
#1	.0021	.0102	-.0153	.2106	-.0001	-.0004	.0004	.0099	-.0001
#2	.0030	.0129	-.0184	.2117	.0002	-.0002	-.0003	.0095	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0131**	**-.0003**	**.0031**	**-.0017**	**.0015**
Stddev	.0000	.0002	.0003	.0000	.0024	.0004	.0004
%RSD	19.14	122.2	2.051	6.905	76.95	22.12	25.13
#1	.0001	.0000	-.0129	-.0003	.0048	-.0020	.0017
#2	.0001	.0003	-.0133	-.0003	.0014	-.0014	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**177260.**	**36795.**	**2118.3**	**6445.7**
Stddev	390.	12.	2.7	7.3
%RSD	.21990	.03190	.12836	.11332
#1	177540.	36787.	2120.2	6450.9
#2	176990.	36804.	2116.4	6440.6

Zoom In Zoom Out

Sample Name: jb68098-2 Acquired: 6/3/2014 1:42:50 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**-.0002**	**.0000**	**.0003**	**-.0001**	**.0002**	**.0016**	**.0000**	**-.0017**
Stddev	.0000	.000	.0000	.0001	.0002	.0001	.0000	.0001
%RSD	16.40	22.57	6.695	84.47	74.85	3.950	10.28	7.409
#1	-.0002	.0000	.0003	.0000	.0001	.0015	.0000	-.0016
#2	-.0002	.0000	.0002	-.0001	.0004	.0016	.0000	-.0018

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**-.0003**	**.0006**	**-.0011**	F **-.0022**	**-.0007**	**.0026**	**.0006**
Stddev	.0001	.0001	.0002	.0003	.0005	.0011	.0004	.0001
%RSD	164.1	27.42	32.59	28.53	24.54	156.9	13.50	11.31
#1	.0000	-.0002	.0005	-.0014	-.0018	-.0014	.0029	.0006
#2	.0001	-.0004	.0008	-.0009	-.0026	.0001	.0024	.0007

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**-.0011**	**.0002**	**.0011**	**.0015**	**-.0138**	**.0250**	**.0001**	**-.0001**
Stddev	.0020	.0001	.0000	.0056	.0070	.0025	.0002	.0002
%RSD	186.5	41.49	3.448	367.3	50.45	10.08	150.5	174.1
#1	.0003	.0002	.0011	.0054	-.0089	.0233	.0000	.0000
#2	-.0025	.0001	.0011	-.0024	-.0188	.0268	.0002	-.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0009**	**.0144**	**.0007**	**.0000**	**.0003**	**-.0132**	**-.0004**	**.0015**
Stddev	.0000	.0001	.0000	.000	.0000	.0002	.0000	.0001
%RSD	1.242	.8369	2.154	27.90	14.51	1.722	1.350	4.244
#1	.0009	.0145	.0007	.0000	.0003	-.0131	-.0004	.0014
#2	.0009	.0143	.0007	.0000	.0003	-.0134	-.0003	.0015

Elem	Bi2230	Li6707
Avg	**-.0028**	**.0020**
Stddev	.0003	.0004
%RSD	11.88	20.36
#1	-.0030	.0017
#2	-.0025	.0023

Zoom In Zoom Out

Sample Name: jb68098-2 Acquired: 6/3/2014 1:42:50 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**177220.**	**37593.**	**2116.7**	**6469.4**
Stddev	1864.	394.	2.0	20.0
%RSD	1.0516	1.0488	.09661	.30919
#1	175900.	37314.	2115.3	6455.2
#2	178530.	37872.	2118.2	6483.5

Zoom In Zoom Out

Sample Name: jb67897-7 Acquired: 6/3/2014 1:48:55 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0004**	**.0001**	**.0003**	**.0049**	**.0001**	**-.0012**	**.0000**
Stddev	.0000	.000	.0001	.0001	.0002	.0002	.0000	.0001	.000
%RSD	3.021	99.36	17.18	56.08	81.33	4.943	30.61	5.192	5364.
#1	.0002	.0000	.0004	.0002	.0004	.0047	.0001	-.0012	-.0002
#2	.0002	.0000	.0003	.0001	.0001	.0051	.0001	-.0011	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0031**	**-.0011**	**-.0018**	**-.0007**	**.0036**	**-.0001**	**.0023**	**.0211**
Stddev	.0001	.0001	.0007	.0005	.0005	.0004	.0009	.0019	.0004
%RSD	19.73	2.903	58.76	27.82	78.83	10.19	736.6	84.56	1.763
#1	-.0002	.0031	-.0007	-.0021	-.0003	.0033	-.0008	.0009	.0208
#2	-.0003	.0030	-.0016	-.0014	-.0011	.0038	.0005	.0037	.0214

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0028**	**.0056**	**-.0053**	**.0377**	**.0001**	**-.0003**	**.0003**	**.0194**	**.0005**
Stddev	.0002	.0035	.0020	.0008	.0006	.0001	.0000	.0001	.0005
%RSD	8.643	62.71	37.42	2.112	675.9	44.68	5.549	.5040	97.89
#1	.0030	.0031	-.0067	.0371	-.0003	-.0004	.0003	.0193	.0008
#2	.0027	.0081	-.0039	.0382	.0005	-.0002	.0003	.0195	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0139**	**-.0004**	**.0043**	**-.0013**	**.0019**
Stddev	.0000	.0002	.0003	.0000	.0007	.0003	.0001
%RSD	.3404	3324.	2.279	3.162	15.88	22.23	5.338
#1	.0001	.0001	-.0142	-.0004	.0038	-.0011	.0018
#2	.0001	-.0001	-.0137	-.0004	.0048	-.0015	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**175890.**	**36624.**	**2093.1**	**6403.2**
Stddev	18.	52.	.1	.1
%RSD	.01018	.14316	.00503	.00132
#1	175900.	36661.	2093.0	6403.2
#2	175880.	36587.	2093.1	6403.3

Zoom In Zoom Out

Sample Name: jb67912-11a Acquired: 6/3/2014 1:55:01 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0002**	**.0016**	**.0002**	**-.0010**	**-.0001**
Stddev	.0001	.000	.0003	.0000	.0000	.0002	.0000	.0001	.0002
%RSD	203.2	38.22	133.0	43.77	26.64	10.63	8.028	7.070	353.9
#1	.0001	.0000	.0000	-.0001	.0001	.0017	.0002	-.0011	.0001
#2	.0000	.0000	.0004	-.0001	.0002	.0015	.0002	-.0010	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0015**	**-.0015**	**-.0005**	**-.0013**	**.0021**	**.0005**	**.0061**	**.0221**
Stddev	.0002	.0002	.0012	.0004	.0006	.0000	.0002	.0009	.0008
%RSD	118.9	10.01	77.87	73.28	46.46	1.606	37.27	15.00	3.518
#1	-.0003	.0014	-.0007	-.0008	-.0018	.0021	.0006	.0054	.0227
#2	.0000	.0016	-.0024	-.0003	-.0009	.0021	.0004	.0067	.0216

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0066**	**.0084**	**-.0056**	**.1155**	**-.0001**	**-.0003**	**.0001**	**.0326**	**.0018**
Stddev	.0010	.0025	.0070	.0013	.0005	.0001	.0001	.0002	.0004
%RSD	15.09	30.17	125.0	1.138	475.2	18.75	124.8	.5297	23.41
#1	.0073	.0066	-.0105	.1164	-.0005	-.0003	.0000	.0328	.0021
#2	.0059	.0102	-.0006	.1145	.0002	-.0002	.0002	.0325	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0153**	**-.0005**	**.0064**	**-.0015**	**.0020**
Stddev	.0000	.0001	.0004	.0001	.0030	.0000	.0005
%RSD	70.16	16.64	2.709	13.99	47.66	2.592	24.03
#1	.0001	.0004	-.0156	-.0005	.0042	-.0015	.0023
#2	.0000	.0003	-.0151	-.0004	.0085	-.0015	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**175950.**	**36531.**	**2094.5**	**6415.2**
Stddev	693.	66.	10.1	14.3
%RSD	.39382	.18155	.48281	.22288
#1	175460.	36578.	2101.6	6425.3
#2	176440.	36484.	2087.3	6405.1

Zoom In Zoom Out

Sample Name: jb67981-14 Acquired: 6/3/2014 2:01:07 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0003**	**-.0001**	**.0000**	**.0014**	**.0002**	**-.0013**	**.0002**
Stddev	.0001	.000	.0001	.0002	.000	.0000	.0000	.0001	.0000
%RSD	1486.	97.75	18.60	333.2	907.0	1.179	2.055	6.802	21.64
#1	.0000	.0000	.0003	.0001	.0001	.0014	.0002	-.0014	.0001
#2	.0001	.0000	.0003	-.0002	-.0001	.0014	.0002	-.0012	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0042**	**-.0012**	**-.0005**	**-.0017**	**.0021**	**.0004**	**.0051**	**.0789**
Stddev	.0001	.0003	.0003	.0000	.0001	.0010	.0001	.0027	.0005
%RSD	99.23	7.187	22.69	7.168	6.169	49.25	30.56	53.72	.6669
#1	.0000	.0044	-.0010	-.0005	-.0016	.0014	.0004	.0070	.0793
#2	-.0002	.0040	-.0014	-.0004	-.0018	.0028	.0005	.0031	.0786

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0046**	**.0148**	**-.0018**	**.0478**	**-.0006**	**-.0002**	**.0002**	**.0271**	**.0008**
Stddev	.0009	.0042	.0262	.0011	.0005	.0001	.0000	.0004	.0003
%RSD	19.00	28.54	1497.	2.405	84.65	27.66	1.278	1.424	33.22
#1	.0052	.0178	-.0203	.0486	-.0009	-.0001	.0002	.0268	.0010
#2	.0039	.0118	.0168	.0470	-.0002	-.0002	.0002	.0274	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0003**	**-.0159**	**-.0005**	**.0209**	**-.0022**	**.0017**
Stddev	.0000	.0000	.0003	.0001	.0000	.0008	.0002
%RSD	2.038	8.198	2.079	12.33	.1274	38.21	11.45
#1	.0002	.0003	-.0161	-.0005	.0209	-.0028	.0015
#2	.0002	.0003	-.0157	-.0005	.0209	-.0016	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**176430.**	**36771.**	**2124.8**	**6456.5**
Stddev	187.	89.	3.9	4.4
%RSD	.10589	.24294	.18553	.06820
#1	176290.	36708.	2127.6	6453.4
#2	176560.	36835.	2122.0	6459.6

Zoom In Zoom Out

Sample Name: jb67999-2a Acquired: 6/3/2014 2:07:11 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0003**	**-.0001**	**.0002**	**.0017**	**.0001**	**-.0012**	**.0001**
Stddev	.0001	.000	.0001	.0000	.0002	.0000	.0000	.0002	.0001
%RSD	464.7	33.75	43.87	35.14	108.6	2.563	19.64	16.20	156.9
#1	.0001	.0000	.0004	-.0001	.0000	.0017	.0001	-.0011	.0000
#2	.0000	.0000	.0002	-.0002	.0004	.0017	.0001	-.0014	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0012**	**-.0021**	**-.0009**	**-.0015**	**.0017**	**.0002**	**.0057**	**.0173**
Stddev	.0001	.0002	.0001	.0003	.0003	.0010	.0001	.0005	.0004
%RSD	51.98	13.50	3.272	39.57	22.66	58.46	44.99	8.237	2.321
#1	-.0001	.0013	-.0022	-.0006	-.0012	.0024	.0003	.0054	.0176
#2	-.0002	.0011	-.0021	-.0011	-.0017	.0010	.0001	.0060	.0170

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0052**	**.0088**	**-.0262**	**.0284**	**-.0003**	**-.0004**	**.0002**	**.0230**	**.0007**
Stddev	.0007	.0074	.0021	.0001	.0005	.0001	.0001	.0000	.0003
%RSD	13.62	83.66	8.076	.4264	159.0	31.16	47.54	.1967	49.13
#1	.0047	.0140	-.0277	.0283	.0000	-.0003	.0001	.0230	.0004
#2	.0057	.0036	-.0247	.0284	-.0007	-.0005	.0002	.0230	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0007**	**-.0160**	**-.0005**	**.0023**	**-.0014**	**.0020**
Stddev	.0000	.0002	.0003	.0000	.0013	.0002	.0005
%RSD	17.24	24.74	2.131	1.281	55.30	17.26	22.77
#1	.0000	.0008	-.0163	-.0005	.0014	-.0015	.0023
#2	.0000	.0006	-.0158	-.0005	.0032	-.0012	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**175340.**	**36608.**	**2111.2**	**6429.0**
Stddev	438.	100.	.3	3.4
%RSD	.24998	.27263	.01593	.05362
#1	175030.	36538.	2111.0	6426.6
#2	175650.	36679.	2111.4	6431.5

Zoom In Zoom Out

Sample Name: jb68102-1a Acquired: 6/3/2014 2:13:15 Type: Unk
Method: Accutest1(v88) Mode: CONC 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**	**.0003**	**-.0001**	**.0005**	**.0019**	**.0001**	**-.0013**	**.0001**
Stddev	.0000	.000	.0001	.0001	.0003	.0000	.0000	.0002	.0002
%RSD	20.90	134.3	46.72	59.79	57.99	2.489	1.370	12.42	227.1
#1	.0001	.0000	.0002	-.0002	.0003	.0019	.0001	-.0015	.0000
#2	.0001	.0000	.0004	-.0001	.0006	.0018	.0001	-.0012	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0013**	**-.0015**	**-.0013**	**-.0016**	**.0030**	**.0010**	**.0057**	**.0145**
Stddev	.0000	.0001	.0002	.0001	.0014	.0009	.0007	.0012	.0004
%RSD	6.344	3.871	13.24	5.628	86.74	29.07	63.17	20.92	2.641
#1	-.0003	.0014	-.0016	-.0014	-.0026	.0036	.0015	.0066	.0142
#2	-.0003	.0013	-.0014	-.0013	-.0006	.0024	.0006	.0049	.0147

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0147**	**.0078**	**-.0070**	**.0324**	**-.0002**	**-.0004**	**.0003**	**.0353**	**.0009**
Stddev	.0001	.0082	.0061	.0023	.0002	.0001	.0005	.0008	.0003
%RSD	.7102	105.4	87.27	6.985	108.1	29.49	156.2	2.399	32.23
#1	.0147	.0020	-.0027	.0308	-.0001	-.0004	.0007	.0347	.0007
#2	.0148	.0136	-.0113	.0340	-.0004	-.0003	.0000	.0359	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0014**	**-.0157**	**-.0005**	**.0093**	**-.0011**	**.0017**
Stddev	.0000	.0001	.0002	.0000	.0014	.0007	.0002
%RSD	58.20	4.456	1.495	9.184	15.55	59.04	10.22
#1	.0001	.0014	-.0155	-.0005	.0083	-.0007	.0016
#2	.0000	.0013	-.0159	-.0005	.0103	-.0016	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**176350.**	**36776.**	**2090.2**	**6421.6**
Stddev	275.	3.	6.6	4.1
%RSD	.15596	.00899	.31729	.06382
#1	176550.	36779.	2094.9	6418.7
#2	176160.	36774.	2085.5	6424.5

Zoom In Zoom Out

Sample Name: mp79776-b1 3 Acquired: 6/3/2014 2:19:19 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.229**	**.0518**	**.0530**	**.4855**	**.1959**	**.2798**	**.4965**	**.4936**	**.0521**
Stddev	.068	.0014	.0006	.0048	.0026	.0020	.0071	.0045	.0003
%RSD	3.031	2.767	1.150	.9860	1.319	.7004	1.429	.9135	.5956
#1	2.181	.0508	.0525	.4821	.1940	.2784	.4915	.4905	.0519
#2	2.276	.0528	.0534	.4889	.1977	.2812	.5015	.4968	.0523

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5027**	**.4987**	**2.160**	**2.042**	**1.920**	**2.329**	**.5777**	**2.081**	**22.00**
Stddev	.0073	.0046	.024	.015	.019	.024	.0074	.050	.59
%RSD	1.444	.9249	1.115	.7481	.9812	1.022	1.280	2.410	2.666
#1	.4975	.4955	2.143	2.031	1.907	2.312	.5725	2.045	21.58
#2	.5078	.5020	2.177	2.053	1.934	2.346	.5829	2.116	22.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.052**	**22.03**	**26.74**	**27.51**	**.0012**	**.0005**	**.0025**	**1.058**	**-.0002**
Stddev	.026	.56	.73	.78	.0001	.0002	.0002	.010	.0002
%RSD	2.523	2.564	2.743	2.831	9.583	34.38	8.604	.9792	103.0
#1	1.033	21.63	26.22	26.96	.0012	.0006	.0023	1.051	.0000
#2	1.071	22.43	27.25	28.06	.0013	.0004	.0026	1.065	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0162**	**.0014**	**-.0128**	**-.0004**	**.7369**	**-.0043**	**.0026**
Stddev	.0005	.0000	.0004	.0001	.0099	.0010	.0005
%RSD	3.166	1.599	3.067	14.51	1.343	22.18	18.69
#1	.0158	.0014	-.0131	-.0003	.7299	-.0050	.0030
#2	.0165	.0014	-.0125	-.0004	.7439	-.0037	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167510.**	**36349.**	**1993.5**	**6045.6**
Stddev	1578.	836.	20.6	52.5
%RSD	.94226	2.3000	1.0339	.86837
#1	168630.	36940.	2008.1	6082.7
#2	166400.	35758.	1978.9	6008.5

Zoom In Zoom Out

Sample Name: mp79776-s1 Acquired: 6/3/2014 2:25:11 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.355**	**.0535**	**.0471**	**.4924**	**1.432**	**.9130**	**6.503**	**1.758**
Stddev	.039	.0005	.0003	.0013	.005	.0023	.009	.002
%RSD	1.648	.9854	.6195	.2688	.3651	.2481	.1381	.1060
#1	2.383	.0539	.0469	.4915	1.428	.9146	6.497	1.757
#2	2.328	.0531	.0473	.4934	1.435	.9114	6.509	1.760

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0816**	**.5989**	**.9749**	**2.316**	**1.855**	**2.794**	**2.543**	**.6062**
Stddev	.0019	.0004	.0040	.018	.002	.002	.021	.0068
%RSD	2.332	.0643	.4150	.7679	.0841	.0533	.8044	1.117
#1	.0830	.5992	.9778	2.304	1.856	2.793	2.529	.6014
#2	.0803	.5986	.9721	2.329	1.854	2.795	2.558	.6110

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**13.36**	**31.82**	**591.4**	**26.87**	**34.34**	**168.4**	**.1413**	**.0887**
Stddev	.17	.32	4.1	.24	.49	2.5	.0024	.0011
%RSD	1.271	1.011	.6990	.8951	1.436	1.474	1.729	1.190
#1	13.48	32.04	594.3	27.04	34.69	170.2	.1396	.0879
#2	13.24	31.59	588.5	26.70	34.00	166.7	.1430	.0894

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0534**	**4.921**	**.0165**	**.0783**	**.4080**	**.0141**	F **-.0424**	F **998.3**
Stddev	.0010	.021	.0024	.0010	.0007	.0009	.0004	1.7
%RSD	1.917	.4292	14.23	1.333	.1717	6.713	1.011	.1727
#1	.0526	4.906	.0149	.0791	.4075	.0135	-.0421	997.1
#2	.0541	4.936	.0182	.0776	.4085	.0148	-.0427	999.6

Elem	Bi2230	Li6707
Avg	**.0144**	**.0408**
Stddev	.0001	.0007
%RSD	.6330	1.641
#1	.0145	.0412
#2	.0144	.0403

Zoom In Zoom Out

Sample Name: mp79776-s1 Acquired: 6/3/2014 2:25:11 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**166090.**	**34490.**	**1912.0**	**6071.2**
Stddev	317.	436.	23.6	44.3
%RSD	.19057	1.2651	1.2341	.72904
#1	165870.	34182.	1928.7	6102.5
#2	166310.	34799.	1895.3	6039.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 2:31:15 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.186**	**1.989**	**2.077**	**1.907**	**1.817**	**2.185**	**1.847**	**1.899**	**.2422**
Stddev	.002	.001	.009	.009	.004	.005	.004	.012	.0007
%RSD	.0720	.0452	.4328	.4860	.2451	.2492	.2040	.6279	.3087
#1	2.184	1.988	2.070	1.901	1.820	2.182	1.849	1.890	.2427
#2	2.187	1.990	2.083	1.914	1.813	2.189	1.844	1.907	.2416
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	**1.940**	F **1.779**	**2.090**	**2.013**	**1.887**	**2.173**	F **2.258**	**39.04**	F **35.06**
Stddev	.002	.007	.012	.004	.012	.012	.012	.02	.05
%RSD	.1018	.4166	.5536	.1977	.6467	.5491	.5187	.0418	.1480
#1	1.942	1.774	2.082	2.010	1.879	2.164	2.250	39.03	35.02
#2	1.939	1.784	2.098	2.016	1.896	2.181	2.266	39.05	35.10
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value		2.000					2.000		40.00
Range		-10.00%					10.00%		-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.94**	F **33.77**	**40.86**	**41.79**	F **2.239**	**2.132**	**2.154**	**5.494**	**2.059**
Stddev	.02	.11	.02	.10	.012	.011	.001	.027	.013
%RSD	.0649	.3388	.0555	.2396	.5475	.5366	.0578	.4872	.6115
#1	37.92	33.69	40.88	41.72	2.230	2.124	2.153	5.475	2.050
#2	37.95	33.85	40.84	41.86	2.248	2.141	2.155	5.513	2.068
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		40.00			2.000				
Range		-10.00%			10.00%				

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 2:31:15 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.088**	**1.878**	**2.012**	**1.943**	**2.093**	F **2.337**	F **2.313**
Stddev	.001	.003	.018	.002	.018	.011	.004
%RSD	.0381	.1654	.9184	.1116	.8635	.4597	.1675
#1	2.087	1.880	1.999	1.944	2.106	2.329	2.310
#2	2.089	1.876	2.025	1.941	2.080	2.345	2.315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
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	**167800.**	**35896.**	**2003.1**	**5925.0**
Stddev	333.	66.	4.1	16.5
%RSD	.19852	.18337	.20343	.27889
#1	167560.	35943.	2005.9	5936.6
#2	168030.	35850.	2000.2	5913.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 2:37:05 Type: QC
Method: Accutest1(v88) 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**	**.0002**	W **.0006**	**.0004**	**.0003**	**.0020**	**.0004**	**-.0008**
Stddev	.0000	.0000	.0001	.0001	.0003	.0004	.0001	.0002
%RSD	42.59	10.18	10.61	29.21	104.9	19.18	39.82	23.82
#1	.0001	.0002	.0007	.0005	.0001	.0022	.0003	-.0009
#2	.0001	.0002	.0006	.0003	.0004	.0017	.0005	-.0007
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0005					
Low Limit			-.0005					

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0002**	**-.0011**	**.0000**	**-.0004**	**.0023**	**-.0001**
Stddev	.000	.0002	.0000	.0009	.001	.0002	.0001	.0008
%RSD	309.9	91.57	10.22	82.48	9344.	51.62	5.169	794.5
#1	-.0002	.0001	.0002	-.0017	-.0009	-.0003	.0022	.0005
#2	.0001	.0003	.0002	-.0004	.0008	-.0006	.0024	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0021**	**.0051**	**.0076**	**.0010**	**.0291**	**.0010**	**.0008**
Stddev	.0014	.0003	.0001	.0025	.0084	.0014	.0009	.0002
%RSD	72.17	13.40	2.557	33.44	800.2	4.887	89.79	30.20
#1	.0030	.0019	.0052	.0058	.0070	.0281	.0016	.0010
#2	.0010	.0023	.0050	.0094	-.0049	.0301	.0003	.0006
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: 6/3/2014 2:37:05 Type: QC
Method: Accutest1(v88) 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**	**.0019**	**.0007**	**.0002**	**.0005**	**-.0077**	**.0000**	W **.0193**
Stddev	.0006	.0006	.0001	.0000	.0002	.0005	.0000	.0047
%RSD	65.83	32.75	15.78	5.465	46.64	5.950	196.6	24.37
#1	.0005	.0015	.0006	.0002	.0006	-.0074	.0000	.0226
#2	.0013	.0023	.0008	.0002	.0003	-.0080	.0000	.0159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0001**	**.0023**
Stddev	.0006	.0006
%RSD	836.8	28.00
#1	.0005	.0028
#2	-.0003	.0019
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	**179830.**	**36992.**	**2095.6**	**6391.6**
Stddev	6109.	604.	25.7	66.8
%RSD	3.3970	1.6333	1.2263	1.0453
#1	175510.	37420.	2113.8	6438.9
#2	184140.	36565.	2077.4	6344.4

Zoom In Zoom Out

Sample Name: mp79776-s1 Acquired: 6/3/2014 2:43:12 Type: Unk
Method: Accutest1(v88) 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	**2.235**	**.0532**	**.0521**	**.5057**	**1.450**	**.8962**	**6.797**	**1.809**	**.0930**
Stddev	.012	.0001	.0023	.0016	.000	.0107	.025	.020	.0049
%RSD	.5258	.1613	4.445	.3117	.0050	1.190	.3752	1.105	5.296
#1	2.244	.0533	.0504	.5068	1.450	.9037	6.779	1.823	.0895
#2	2.227	.0531	.0537	.5046	1.450	.8886	6.815	1.795	.0965

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5914**	**1.047**	**2.183**	**1.964**	**2.950**	**2.332**	**.5645**	**12.78**	**31.75**
Stddev	.0010	.010	.018	.026	.043	.021	.0063	.01	.20
%RSD	.1612	.9397	.8322	1.351	1.467	.9074	1.111	.0613	.6227
#1	.5907	1.054	2.195	1.983	2.980	2.317	.5689	12.79	31.61
#2	.5921	1.040	2.170	1.945	2.919	2.347	.5601	12.78	31.89

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**605.5**	**26.10**	**31.54**	**157.8**	**.1386**	**.0850**	**.0633**	**5.264**	**.0266**
Stddev	.5	.19	.07	.2	.0019	.0033	.0045	.079	.0020
%RSD	.0830	.7101	.2097	.1073	1.344	3.851	7.180	1.492	7.468
#1	605.1	25.97	31.59	157.7	.1399	.0873	.0601	5.319	.0252
#2	605.8	26.24	31.49	157.9	.1373	.0827	.0665	5.208	.0280

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0764**	**.4083**	**-.2081**	**-.0492**	**1133.**	**.0004**	**.0809**
Stddev	.0006	.0045	.0032	.0009	7.	.0264	.0024
%RSD	.7620	1.108	1.538	1.875	.6580	6397.	2.904
#1	.0760	.4051	-.2058	-.0499	1139.	.0191	.0826
#2	.0769	.4115	-.2103	-.0486	1128.	-.0182	.0793

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**174090.**	**36455.**	**2053.0**	**6348.0**
Stddev	198.	92.	18.6	52.1
%RSD	.11386	.25108	.90757	.81997
#1	174230.	36520.	2039.8	6311.2
#2	173950.	36391.	2066.2	6384.8

Zoom In Zoom Out

Sample Name: mp79776-s2 Acquired: 6/3/2014 2:49:09 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.339**	**.0528**	**.0489**	**.4955**	**1.446**	**.9281**	**6.482**	**1.780**
Stddev	.006	.0003	.0001	.0039	.002	.0023	.005	.010
%RSD	.2463	.5390	.1229	.7871	.1274	.2516	.0814	.5394
#1	2.335	.0530	.0488	.4983	1.447	.9297	6.478	1.787
#2	2.343	.0526	.0489	.4927	1.445	.9264	6.486	1.774

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0769**	**.5994**	**.9835**	**2.343**	**1.856**	**2.806**	**2.575**	**.6151**
Stddev	.0009	.0018	.0052	.007	.014	.015	.005	.0021
%RSD	1.142	.2963	.5239	.2915	.7574	.5478	.1919	.3364
#1	.0762	.6006	.9871	2.347	1.866	2.817	2.579	.6137
#2	.0775	.5981	.9799	2.338	1.846	2.795	2.572	.6166

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**13.37**	**31.42**	**580.2**	**26.33**	**34.03**	**168.2**	**.1453**	**.0910**
Stddev	.01	.23	.8	.13	.07	1.0	.0003	.0001
%RSD	.0872	.7448	.1333	.4902	.2001	.6103	.2298	.1248
#1	13.36	31.59	580.7	26.42	33.98	167.4	.1455	.0911
#2	13.38	31.26	579.6	26.24	34.08	168.9	.1450	.0909

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0520**	**5.226**	**.0185**	**.0781**	**.4135**	**.0215**	F **-.0412**	F **1017.**
Stddev	.0010	.024	.0001	.0001	.0016	.0012	.0000	5.
%RSD	2.016	.4488	.7861	.1404	.3959	5.411	.0557	.5337
#1	.0527	5.243	.0184	.0782	.4147	.0207	-.0412	1021.
#2	.0513	5.210	.0186	.0780	.4124	.0223	-.0412	1014.

Elem	Bi2230	Li6707
Avg	**.0149**	**.0420**
Stddev	.0002	.0003
%RSD	1.666	.7336
#1	.0150	.0422
#2	.0147	.0418

Zoom In Zoom Out

Sample Name: mp79776-s2 Acquired: 6/3/2014 2:49:09 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164460.**	**34703.**	**1867.6**	**5966.2**
Stddev	370.	49.	.6	14.4
%RSD	.22476	.14151	.03158	.24171
#1	164190.	34738.	1868.0	5956.0
#2	164720.	34668.	1867.2	5976.4

Zoom In Zoom Out

Sample Name: mp79776-s2 Acquired: 6/3/2014 2:55:11 Type: Unk
Method: Accutest1(v88) 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	**2.235**	**.0518**	**.0492**	**.5127**	**1.480**	**.9139**	**6.978**	**1.848**	**.0925**
Stddev	.007	.0005	.0005	.0020	.001	.0081	.003	.016	.0028
%RSD	.3365	.9896	1.089	.3815	.0379	.8844	.0470	.8468	2.983
#1	2.230	.0514	.0496	.5113	1.480	.9082	6.981	1.837	.0905
#2	2.241	.0521	.0488	.5141	1.479	.9196	6.976	1.859	.0944

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5989**	**1.053**	**2.184**	**1.986**	**2.990**	**2.344**	**.5903**	**13.04**	**31.87**
Stddev	.0016	.006	.025	.043	.021	.043	.0058	.06	.07
%RSD	.2611	.5355	1.124	2.146	.6944	1.846	.9750	.4279	.2180
#1	.5978	1.049	2.167	1.956	2.975	2.313	.5944	13.08	31.82
#2	.6000	1.057	2.202	2.016	3.005	2.374	.5862	13.00	31.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**618.4**	**26.16**	**31.96**	**159.4**	**.1516**	**.0784**	**.0693**	**5.305**	**.0214**
Stddev	2.4	.35	.09	.3	.0102	.0038	.0084	.037	.0140
%RSD	.3907	1.340	.2955	.2005	6.725	4.791	12.07	.6901	65.24
#1	616.7	25.91	32.03	159.1	.1444	.0757	.0753	5.279	.0313
#2	620.1	26.40	31.89	159.6	.1588	.0811	.0634	5.330	.0115

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0785**	**.4182**	**-.2625**	**-.0578**	**1151.**	**.0054**	**.0824**
Stddev	.0000	.0001	.0016	.0000	10.	.0025	.0103
%RSD	.0149	.0187	.6006	.0802	.8975	46.52	12.47
#1	.0785	.4182	-.2614	-.0578	1144.	.0036	.0896
#2	.0785	.4181	-.2636	-.0578	1158.	.0071	.0751

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**173330.**	**36338.**	**2050.3**	**6340.1**
Stddev	768.	77.	20.4	52.8
%RSD	.44305	.21125	.99576	.83318
#1	173870.	36393.	2064.7	6377.4
#2	172780.	36284.	2035.9	6302.7

Zoom In Zoom Out

Sample Name: jb67923-2a Acquired: 6/3/2014 3:01:09 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0335**	**.0005**	**-.0060**	**.0385**	**1.258**	**.6459**	**6.089**	**1.315**
Stddev	.0000	.0000	.0000	.0004	.014	.0005	.006	.018
%RSD	.0917	3.426	.4561	.9793	1.142	.0782	.0922	1.390
#1	.0335	.0005	-.0060	.0388	1.268	.6462	6.085	1.328
#2	.0335	.0005	-.0059	.0383	1.248	.6455	6.093	1.302

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0297**	**.1140**	**.5034**	**.1172**	F **-.0250**	**1.050**	**.0111**	**.0245**
Stddev	.0015	.0012	.0061	.0039	.0010	.014	.0012	.0000
%RSD	5.036	1.028	1.204	3.369	3.905	1.356	10.97	.1596
#1	.0286	.1149	.5077	.1200	-.0257	1.061	.0120	.0244
#2	.0307	.1132	.4991	.1144	-.0243	1.040	.0103	.0245

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**11.02**	**9.848**	**579.2**	**4.752**	**6.069**	**136.3**	**.1413**	**.0889**
Stddev	.01	.030	.9	.017	.076	.3	.0018	.0009
%RSD	.0790	.3035	.1475	.3545	1.251	.2302	1.278	.9832
#1	11.01	9.827	578.6	4.740	6.122	136.5	.1426	.0896
#2	11.02	9.869	579.8	4.764	6.015	136.0	.1400	.0883

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0505**	**4.716**	**.0175**	**.0767**	**.4086**	**.0052**	F **-.0427**	F **993.6**
Stddev	.0017	.081	.0002	.0001	.0038	.0000	.0000	9.6
%RSD	3.342	1.727	.8642	.1085	.9267	.2660	.0068	.9675
#1	.0493	4.774	.0176	.0767	.4113	.0052	-.0427	1000.
#2	.0517	4.658	.0174	.0768	.4059	.0052	-.0427	986.8

Elem	Bi2230	Li6707
Avg	**.0156**	**.0408**
Stddev	.0008	.0002
%RSD	5.343	.3846
#1	.0162	.0407
#2	.0150	.0410

Zoom In Zoom Out

Sample Name: jb67923-2a Acquired: 6/3/2014 3:01:09 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**167190.**	**34756.**	**1917.4**	**6118.7**
Stddev	936.	41.	11.3	45.7
%RSD	.55975	.11932	.58862	.74743
#1	166530.	34727.	1909.4	6086.3
#2	167850.	34785.	1925.4	6151.0

Zoom In Zoom Out

Sample Name: mp79776-sd1 Acquired: 6/3/2014 3:07:16 Type: Unk
Method: Accutest1(v88) 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	**.0311**	**.0005**	**-.0051**	**.0409**	**1.291**	**.6365**	**6.482**	**1.379**	**.0458**
Stddev	.0019	.0001	.0008	.0007	.006	.0007	.009	.017	.0019
%RSD	5.962	11.86	15.10	1.600	.4565	.1051	.1340	1.250	4.135
#1	.0298	.0004	-.0046	.0414	1.295	.6370	6.488	1.391	.0445
#2	.0324	.0005	-.0057	.0405	1.287	.6360	6.475	1.367	.0471

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1140**	**.5397**	**.1164**	**-.0186**	**1.129**	**.0249**	**.0178**	**11.10**	**10.22**
Stddev	.0001	.0040	.0028	.0043	.002	.0015	.0000	.02	.04
%RSD	.0695	.7438	2.376	23.21	.1791	6.177	.1046	.2021	.4316
#1	.1141	.5426	.1183	-.0216	1.131	.0260	.0178	11.12	10.18
#2	.1140	.5369	.1144	-.0155	1.128	.0239	.0177	11.09	10.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**626.3**	**4.764**	**6.154**	**135.8**	**.1403**	**.0855**	**.0561**	**5.120**	**.0198**
Stddev	.4	.083	.074	.4	.0019	.0023	.0018	.076	.0038
%RSD	.0632	1.745	1.203	.2916	1.356	2.632	3.216	1.490	19.27
#1	626.0	4.705	6.206	136.0	.1390	.0839	.0548	5.174	.0225
#2	626.6	4.823	6.102	135.5	.1417	.0871	.0573	5.066	.0171

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0768**	**.4175**	**-.1238**	**-.0502**	F **1149.**	**.0159**	**.0554**
Stddev	.0003	.0012	.0056	.0004	10.	.0057	.0039
%RSD	.3678	.2954	4.517	.7385	.8723	35.68	7.060
#1	.0766	.4184	-.1198	-.0505	1156.	.0119	.0526
#2	.0770	.4167	-.1277	-.0500	1142.	.0199	.0581

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172190.**	**35662.**	**2041.5**	**6349.5**
Stddev	376.	50.	13.4	53.9
%RSD	.21817	.13928	.65834	.84849
#1	171930.	35627.	2032.0	6311.4
#2	172460.	35697.	2051.0	6387.6

Zoom In Zoom Out

Sample Name: jb67923-2a Acquired: 6/3/2014 3:13:14 Type: Unk
Method: Accutest1(v88) 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	**.0305**	**-.0001**	**-.0015**	**.0424**	**1.273**	**.6359**	**6.374**	**1.366**	**.0449**
Stddev	.0009	.0000	.0003	.0024	.007	.0030	.025	.005	.0003
%RSD	2.880	3.570	21.49	5.566	.5157	.4669	.3865	.3529	.7115
#1	.0298	-.0001	-.0013	.0407	1.268	.6380	6.356	1.369	.0451
#2	.0311	-.0001	-.0018	.0440	1.277	.6338	6.391	1.362	.0447

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1082**	**.5795**	**.0909**	**-.0047**	**1.118**	**.0751**	**.0229**	**10.78**	**10.42**
Stddev	.0008	.0008	.0081	.0127	.000	.0002	.0024	.11	.04
%RSD	.7659	.1301	8.936	272.7	.0124	.2279	10.63	.9905	.3400
#1	.1088	.5790	.0967	-.0136	1.117	.0753	.0211	10.71	10.44
#2	.1077	.5801	.0852	.0043	1.118	.0750	.0246	10.86	10.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**612.2**	**4.851**	**5.364**	**130.9**	**.1413**	**.0788**	**.0640**	**5.124**	**.0140**
Stddev	1.4	.108	.366	.0	.0067	.0010	.0100	.014	.0109
%RSD	.2243	2.227	6.818	.0170	4.742	1.228	15.62	.2801	78.20
#1	613.2	4.927	5.623	130.9	.1460	.0781	.0711	5.134	.0063
#2	611.3	4.775	5.105	130.8	.1365	.0794	.0569	5.114	.0217

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0758**	**.4055**	**-.2954**	**-.0582**	**1139.**	**.0141**	**.0670**
Stddev	.0001	.0003	.0036	.0029	4.	.0047	.0024
%RSD	.1364	.0827	1.205	4.974	.3403	33.56	3.597
#1	.0759	.4058	-.2979	-.0603	1142.	.0175	.0653
#2	.0758	.4053	-.2929	-.0562	1136.	.0108	.0688

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**172850.**	**35891.**	**2058.8**	**6332.2**
Stddev	309.	106.	3.7	26.5
%RSD	.17877	.29576	.17964	.41925
#1	173060.	35816.	2056.2	6313.5
#2	172630.	35966.	2061.4	6351.0

Zoom In Zoom Out

Sample Name: mp79776-sd1 Acquired: 6/3/2014 3:19:13 Type: Unk
Method: Accutest1(v88) Mode: CONC Corr. Factor: 100.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2018**	**-.0004**	**.0091**	**.0301**	**1.297**	**.8082**	**6.593**	**1.351**	**.0669**
Stddev	.0009	.0014	.0064	.0117	.031	.0240	.061	.031	.0076
%RSD	.4363	389.0	70.69	38.65	2.376	2.966	.9197	2.293	11.42
#1	.2012	-.0014	.0045	.0219	1.275	.7912	6.550	1.373	.0723
#2	.2024	.0006	.0136	.0384	1.318	.8251	6.635	1.329	.0615

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0805**	**.9197**	**.0201**	**-.0374**	**1.114**	**.1785**	**-.0256**	**11.27**	**12.12**
Stddev	.0082	.0094	.0493	.0520	.010	.0185	.0092	.59	.14
%RSD	10.15	1.025	244.7	139.0	.8663	10.35	36.06	5.207	1.116
#1	.0862	.9264	-.0147	-.0742	1.121	.1655	-.0321	11.69	12.21
#2	.0747	.9131	.0550	-.0006	1.107	.1916	-.0191	10.86	12.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**628.1**	**5.212**	**4.028**	**134.4**	**.1279**	**.0511**	**.0494**	**10.21**	**.0714**
Stddev	.6	.450	.656	.2	.0486	.0072	.0490	.24	.0235
%RSD	.0957	8.629	16.30	.1295	38.00	14.19	99.27	2.307	32.86
#1	628.5	4.894	3.564	134.6	.1623	.0562	.0147	10.38	.0880
#2	627.6	5.530	4.492	134.3	.0935	.0459	.0841	10.04	.0548

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0769**	**.4538**	**-1.664**	**-.0902**	**1192.**	**.0630**	**.2010**
Stddev	.0053	.0113	.017	.0039	13.	.0093	.0282
%RSD	6.866	2.499	1.048	4.321	1.057	14.76	14.03
#1	.0806	.4458	-1.652	-.0929	1201.	.0696	.1811
#2	.0732	.4619	-1.676	-.0874	1183.	.0564	.2209

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**176130.**	**37010.**	**2088.2**	**6367.8**
Stddev	1342.	120.	14.2	61.2
%RSD	.76194	.32420	.67865	.96098
#1	177080.	36926.	2078.2	6324.5
#2	175180.	37095.	2098.2	6411.1

Zoom In Zoom Out

Sample Name: jb67923-4a Acquired: 6/3/2014 3:25:17 Type: Unk
Method: Accutest1(v88) 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	**.0353**	**.0004**	**.0006**	**.0106**	**.3874**	**.1060**	**2.012**	**.2030**	**.0180**
Stddev	.0006	.0003	.0013	.0015	.0003	.0017	.002	.0001	.0015
%RSD	1.615	73.72	222.0	13.88	.0713	1.638	.1146	.0290	8.161
#1	.0349	.0002	-.0003	.0116	.3876	.1072	2.011	.2030	.0170
#2	.0357	.0006	.0015	.0095	.3872	.1047	2.014	.2031	.0190

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0268**	**2.824**	**.0193**	**-.0107**	**.6086**	**.0400**	**-.0033**	**4.883**	**3.383**
Stddev	.0004	.002	.0000	.0001	.0038	.0032	.0099	.003	.008
%RSD	1.553	.0530	.2188	.9180	.6261	7.988	302.1	.0560	.2416
#1	.0265	2.823	.0193	-.0107	.6059	.0377	-.0102	4.881	3.388
#2	.0271	2.825	.0193	-.0108	.6113	.0423	.0037	4.885	3.377

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**216.7**	**.8893**	**2.549**	**67.18**	**.0914**	**.0046**	**.0178**	**3.806**	**.0101**
Stddev	.6	.1672	.154	.10	.0018	.0012	.0001	.000	.0033
%RSD	.2934	18.80	6.049	.1507	1.937	25.66	.6435	.0055	32.30
#1	217.1	.7710	2.440	67.11	.0902	.0054	.0177	3.806	.0078
#2	216.2	1.007	2.658	67.25	.0927	.0037	.0179	3.806	.0124

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0502**	**.1979**	**-.1415**	**-.0301**	**673.2**	**-.0040**	**.0355**
Stddev	.0001	.0010	.0027	.0010	2.1	.0066	.0039
%RSD	.1493	.5245	1.889	3.481	.3095	162.2	10.93
#1	.0502	.1986	-.1396	-.0293	671.7	.0006	.0382
#2	.0503	.1972	-.1434	-.0308	674.7	-.0087	.0328

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**174460.**	**36308.**	**2061.9**	**6359.0**
Stddev	192.	63.	3.3	4.5
%RSD	.10988	.17439	.16011	.07104
#1	174600.	36263.	2064.2	6362.2
#2	174320.	36352.	2059.6	6355.8

Zoom In Zoom Out

Sample Name: jb67923-5a Acquired: 6/3/2014 3:31:17 Type: Unk
Method: Accutest1(v88) 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	**.0334**	**.0007**	**-.0004**	**.0321**	**.7542**	**.0449**	**2.512**	**.3759**	**.0227**
Stddev	.0008	.0001	.0002	.0007	.0187	.0039	.057	.0045	.0008
%RSD	2.386	14.25	51.52	2.175	2.477	8.581	2.270	1.210	3.655
#1	.0328	.0008	-.0003	.0316	.7674	.0476	2.552	.3727	.0221
#2	.0340	.0006	-.0006	.0326	.7410	.0422	2.471	.3791	.0233

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0419**	**.4508**	**.0454**	**-.0098**	**1.008**	**.0319**	**.0013**	**15.67**	**6.924**
Stddev	.0018	.0011	.0045	.0022	.003	.0045	.0023	.03	.011
%RSD	4.357	.2443	9.976	22.15	.3380	14.06	171.4	.2151	.1646
#1	.0432	.4500	.0486	-.0113	1.005	.0350	-.0003	15.64	6.916
#2	.0406	.4516	.0422	-.0082	1.010	.0287	.0029	15.69	6.933

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**278.0**	**1.972**	**8.759**	**169.8**	**.1012**	**-.0007**	**.0565**	**3.272**	**.0019**
Stddev	.0	.019	.160	.1	.0032	.0010	.0027	.012	.0033
%RSD	.0100	.9750	1.826	.0769	3.122	146.0	4.707	.3769	170.9
#1	278.0	1.985	8.646	169.7	.0990	.0000	.0547	3.263	.0042
#2	278.1	1.958	8.872	169.9	.1034	-.0013	.0584	3.281	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0937**	**.7222**	**-.1552**	**-.0458**	F **1421.**	**.0092**	**.0572**
Stddev	.0001	.0166	.0037	.0005	8.	.0016	.0018
%RSD	.0944	2.296	2.390	1.106	.5902	17.61	3.086
#1	.0936	.7340	-.1526	-.0455	1415.	.0081	.0560
#2	.0938	.7105	-.1579	-.0462	1427.	.0104	.0585

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170700.**	**36062.**	**2055.6**	**6307.5**
Stddev	3486.	106.	9.9	31.7
%RSD	2.0419	.29360	.47985	.50218
#1	168240.	35987.	2062.6	6329.9
#2	173170.	36137.	2048.7	6285.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 3:37:17 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.214**	**2.018**	**2.064**	**1.899**	**1.812**	**2.175**	**1.838**	**1.887**	**.2418**
Stddev	.038	.044	.021	.018	.005	.006	.007	.018	.0011
%RSD	1.719	2.163	.9981	.9528	.2995	.2847	.3873	.9618	.4738
#1	2.241	2.048	2.050	1.886	1.816	2.170	1.843	1.874	.2426
#2	2.187	1.987	2.079	1.912	1.808	2.179	1.833	1.900	.2410
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.000								
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	**1.934**	F **1.766**	**2.089**	**1.995**	**1.875**	**2.179**	F **2.255**	**39.60**	F **35.46**
Stddev	.004	.014	.021	.025	.016	.026	.024	.81	.81
%RSD	.1882	.7920	1.023	1.248	.8486	1.205	1.063	2.040	2.283
#1	1.937	1.756	2.074	1.977	1.863	2.160	2.238	40.17	36.03
#2	1.932	1.776	2.104	2.012	1.886	2.197	2.272	39.03	34.89
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value		2.000					2.000		40.00
Range		-10.00%					10.00%		-10.00%

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.35**	F **34.13**	**41.32**	**42.30**	F **2.245**	**2.126**	**2.146**	**5.471**	**2.050**
Stddev	.82	.70	.74	.81	.026	.025	.005	.065	.022
%RSD	2.135	2.055	1.799	1.904	1.157	1.172	.2546	1.196	1.088
#1	38.93	34.62	41.84	42.87	2.226	2.109	2.142	5.425	2.034
#2	37.77	33.63	40.79	41.73	2.263	2.144	2.150	5.517	2.066
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		40.00			2.000				
Range		-10.00%			10.00%				

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 3:37:17 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.110**	**1.866**	**2.002**	**1.932**	**2.058**	F **2.338**	F **2.349**
Stddev	.039	.004	.029	.002	.021	.029	.042
%RSD	1.835	.1889	1.441	.0973	1.005	1.222	1.765
#1	2.137	1.869	1.982	1.934	2.044	2.318	2.379
#2	2.083	1.864	2.023	1.931	2.073	2.358	2.320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
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	**168420.**	**35428.**	**2000.3**	**5928.2**
Stddev	348.	667.	21.2	56.4
%RSD	.20647	1.8817	1.0602	.95202
#1	168670.	34956.	2015.2	5968.1
#2	168170.	35899.	1985.3	5888.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 3:43:07 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	W **.0006**	**.0004**	**.0001**	**.0021**	**.0003**	**-.0008**
Stddev	.0001	.0000	.0002	.0001	.0000	.0001	.0000	.0000
%RSD	52.98	12.83	38.07	26.30	5.028	3.132	2.250	2.000
#1	.0004	.0004	.0005	.0004	.0001	.0021	.0003	-.0008
#2	.0002	.0003	.0008	.0005	.0001	.0020	.0003	-.0008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0005					
Low Limit			-.0005					

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0002**	**-.0004**	**-.0005**	**-.0009**	**.0021**	**-.0007**
Stddev	.0002	.0001	.0000	.0005	.0002	.0006	.0002	.0004
%RSD	110.2	109.9	7.139	130.3	44.29	63.96	8.604	54.39
#1	.0003	.0002	.0002	-.0007	-.0006	-.0013	.0023	-.0009
#2	.0000	.0000	.0002	.0000	-.0003	-.0005	.0020	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**.0051**	**.0070**	**.0086**	**.0099**	**.0322**	**.0011**	**.0007**
Stddev	.0021	.0012	.0002	.0064	.0105	.0025	.0009	.0000
%RSD	60.13	24.40	3.295	74.39	106.2	7.804	82.78	.1602
#1	.0049	.0060	.0071	.0131	.0025	.0340	.0004	.0007
#2	.0020	.0042	.0068	.0041	.0173	.0304	.0017	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 3:43:07 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0024**	**.0003**	**.0004**	**.0004**	**-.0079**	**.0000**	W **.0086**
Stddev	.0007	.0009	.0000	.0000	.0001	.0010	.000	.0033
%RSD	85.18	36.02	1.473	6.536	25.75	12.71	93.08	38.11
#1	.0003	.0018	.0003	.0004	.0003	-.0072	.0000	.0063
#2	.0013	.0030	.0003	.0004	.0005	-.0086	.0000	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**.0020**
Stddev	.0002	.0004
%RSD	242.5	19.50
#1	-.0003	.0017
#2	.0001	.0023
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	**177650.**	**36646.**	**2123.6**	**6454.4**
Stddev	722.	141.	17.6	52.4
%RSD	.40637	.38466	.82845	.81127
#1	177140.	36547.	2111.2	6417.3
#2	178160.	36746.	2136.0	6491.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/3/2014 3:49:14 Type: QC
Method: Accutest1(v88) 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	**.2158**	**.0022**	W **.0036**	**.0496**	**.0096**	W **.0124**	**.0148**	**.0090**
Stddev	.0028	.0000	.0001	.0002	.0003	.0003	.0001	.0001
%RSD	1.281	1.168	3.238	.3527	3.046	2.670	.3627	.8545
#1	.2139	.0022	.0037	.0494	.0094	.0122	.0148	.0090
#2	.2178	.0022	.0035	.0497	.0098	.0127	.0148	.0091
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value			.0030			.0100		
Range			20.00%			20.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0511**	**.0189**	**.0089**	**.0103**	**.0029**	W **.0126**	**.0067**
Stddev	.0002	.0005	.0001	.0001	.0004	.0007	.0002	.0002
%RSD	3.898	1.016	.4345	.9046	3.606	23.82	1.908	2.837
#1	.0053	.0507	.0188	.0090	.0106	.0024	.0125	.0066
#2	.0050	.0514	.0189	.0088	.0101	.0033	.0128	.0069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.0100	
Range							20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2052**	**4.499**	**.1025**	**4.436**	**5.153**	**5.251**	**.1143**	**.0221**
Stddev	.0005	.059	.0003	.073	.073	.090	.0017	.0001
%RSD	.2631	1.305	.3325	1.655	1.419	1.719	1.484	.3340
#1	.2048	4.457	.1022	4.384	5.101	5.187	.1131	.0221
#2	.2056	4.540	.1027	4.488	5.205	5.315	.1155	.0220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/3/2014 3:49:14 Type: QC
Method: Accutest1(v88) 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	**.0567**	**.2342**	**.0109**	**.0107**	**.0102**	**.0507**	**.0108**	**.0544**
Stddev	.0011	.0018	.0003	.0002	.0003	.0004	.0002	.0013
%RSD	1.959	.7756	2.316	2.010	2.585	.7061	1.417	2.460
#1	.0559	.2329	.0107	.0106	.0100	.0505	.0107	.0535
#2	.0574	.2355	.0111	.0109	.0103	.0510	.0109	.0553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	W **.0250**	F **.0274**
Stddev	.0003	.0007
%RSD	1.342	2.588
#1	.0248	.0269
#2	.0252	.0279
Check ?	Chk Warn	Chk Fail
Value	.0200	.0200
Range	20.00%	30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**176300.**	**37046.**	**2098.3**	**6330.5**
Stddev	1429.	417.	14.6	30.5
%RSD	.81073	1.1251	.69666	.48159
#1	177310.	37340.	2108.6	6352.0
#2	175290.	36751.	2087.9	6308.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/3/2014 3:55:15 Type: QC
Method: Accutest1(v88) 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**	F **.0014**	**.0030**	**.0018**	F **.0042**	**.0030**	W **.0029**
Stddev	.0001	.0000	.0001	.0003	.0001	.0001	.0000	.0002
%RSD	1.851	3.733	8.788	9.972	4.048	1.767	1.320	6.132
#1	.0045	.0010	.0014	.0028	.0019	.0042	.0029	.0031
#2	.0043	.0010	.0013	.0032	.0018	.0041	.0030	.0028
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn
Value			.0010			.0020		.0040
Range			30.00%			30.00%		-20.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0017**	W **.0123**	W **.0022**	**.0021**	F **.0012**	F **.0080**	**.0029**
Stddev	.0001	.0001	.0001	.0005	.0016	.0010	.0022	.0002
%RSD	15.27	4.242	.7215	24.27	75.92	87.91	27.24	7.927
#1	.0011	.0018	.0124	.0026	.0010	.0019	.0095	.0031
#2	.0009	.0017	.0123	.0019	.0032	.0004	.0064	.0028
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value			.0100	.0030		.0025	.0050	
Range			20.00%	-20.00%		-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	**.1003**	**.9132**	**.0010**	**.0896**	**2.076**	**1.097**	**.0109**	**-.0004**
Stddev	.0023	.0009	.0004	.0043	.007	.000	.0005	.0000
%RSD	2.242	.1017	36.49	4.819	.3215	.0363	4.925	.8462
#1	.0988	.9125	.0013	.0927	2.080	1.096	.0113	-.0004
#2	.1019	.9139	.0008	.0866	2.071	1.097	.0105	-.0004
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: 6/3/2014 3:55:15 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0006**	**.0003**	**.0000**	**.0003**	F **-.0152**	F **-.0005**	F **.0012**
Stddev	.0003	.0005	.0007	.0000	.0001	.0009	.0000	.0006
%RSD	95.24	84.58	207.4	87.91	37.97	6.061	5.399	47.62
#1	.0006	.0009	.0009	.0000	.0004	-.0158	-.0006	.0008
#2	.0001	.0002	-.0002	.0000	.0002	-.0145	-.0005	.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 **-.0006**	F **.0021**
Stddev	.0001	.0005
%RSD	11.22	25.84
#1	-.0006	.0025
#2	-.0007	.0017
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**174930.**	**36807.**	**2098.3**	**6382.6**
Stddev	259.	111.	.1	4.0
%RSD	.14781	.30212	.00564	.06226
#1	174740.	36886.	2098.2	6385.4
#2	175110.	36729.	2098.4	6379.8

Sample Name: cria Acquired: 6/3/2014 4:01:20 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0019**	**.0000**	**-.0010**	**.0001**
Stddev	.0001	.000	.0002	.0001	.0000	.0001	.000	.0000	.0000
%RSD	43.66	29.00	67.66	38.83	.9686	4.839	127.0	1.331	15.29
#1	-.0002	.0000	.0003	.0002	.0000	.0018	.0000	-.0010	.0001
#2	-.0001	.0000	.0001	.0004	.0000	.0019	.0000	-.0010	.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**	**.0001**	**.0178**	**.0242**	**.0224**	**.4959**	**.0064**
Stddev	.0000	.0001	.0006	.0000	.0002	.0004	.0000	.0081	.0010
%RSD	26.95	14.02	3.123	19.13	1.066	1.572	.2225	1.638	15.40
#1	-.0002	.0007	.0199	.0001	.0177	.0244	.0225	.5016	.0071
#2	-.0001	.0008	.0208	.0001	.0179	.0239	.0224	.4901	.0057
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**	**-.0042**	**-.0180**	**.0222**	**-.0004**	**-.0005**	**.0003**	**-.0015**	**.0001**
Stddev	.0008	.0006	.0095	.0079	.0009	.0001	.0002	.0000	.0004
%RSD	.1522	15.26	53.08	35.38	235.6	12.43	63.02	1.348	687.6
#1	.4994	-.0047	-.0112	.0167	.0002	-.0005	.0002	-.0015	.0003
#2	.5004	-.0038	-.0247	.0278	-.0010	-.0006	.0005	-.0015	-.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Sample Name: cria Acquired: 6/3/2014 4:01:20 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0156**	**-.0006**	**.0011**	**-.0003**	**.0016**
Stddev	.000	.0000	.0007	.0000	.0028	.0002	.0005
%RSD	315.6	13.83	4.715	7.154	254.4	52.23	31.04
#1	.0000	.0003	-.0151	-.0006	.0031	-.0004	.0019
#2	.0000	.0004	-.0161	-.0005	-.0009	-.0002	.0012
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**176480.**	**36794.**	**2097.8**	**6391.0**
Stddev	334.	3.	12.2	46.5
%RSD	.18906	.00712	.57951	.72761
#1	176710.	36796.	2106.4	6423.9
#2	176240.	36792.	2089.3	6358.1

Sample Name: ccv Acquired: 6/3/2014 4:07:27 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.231**	**2.025**	**2.028**	**1.866**	**1.828**	F **2.205**	**1.845**	**1.855**	**.2442**
Stddev	.014	.012	.025	.024	.029	.031	.029	.025	.0041
%RSD	.6134	.5939	1.227	1.279	1.566	1.395	1.574	1.321	1.670
#1	2.222	2.016	2.011	1.849	1.807	2.183	1.824	1.838	.2414
#2	2.241	2.033	2.046	1.883	1.848	2.227	1.865	1.872	.2471
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	2.000					2.000			
Range	10.00%					10.00%			

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.948**	F **1.735**	**2.047**	**1.965**	**1.840**	**2.141**	F **2.216**	**39.73**	F **35.36**
Stddev	.031	.023	.024	.030	.029	.027	.029	.27	.03
%RSD	1.572	1.331	1.192	1.538	1.574	1.257	1.297	.6690	.0905
#1	1.926	1.719	2.030	1.943	1.820	2.122	2.196	39.54	35.33
#2	1.969	1.752	2.064	1.986	1.861	2.160	2.236	39.91	35.38
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value		2.000					2.000		40.00
Range		-10.00%					10.00%		-10.00%

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**	F **33.98**	**41.55**	**42.61**	F **2.210**	**2.091**	**2.174**	**5.372**	**2.018**
Stddev	.18	.03	.39	.35	.022	.026	.032	.060	.027
%RSD	.4793	.0789	.9450	.8142	.9777	1.229	1.457	1.123	1.338
#1	38.20	33.96	41.28	42.37	2.195	2.072	2.152	5.329	1.998
#2	38.46	34.00	41.83	42.86	2.225	2.109	2.197	5.415	2.037
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		40.00			2.000				
Range		-10.00%			10.00%				

Sample Name: ccv Acquired: 6/3/2014 4:07:27 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.119**	**1.875**	**1.972**	**1.948**	**2.013**	F **2.295**	F **2.379**
Stddev	.015	.024	.030	.026	.031	.028	.024
%RSD	.6881	1.291	1.520	1.317	1.521	1.211	1.017
#1	2.108	1.858	1.950	1.929	1.991	2.276	2.361
#2	2.129	1.893	1.993	1.966	2.035	2.315	2.396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
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	**166480.**	**35328.**	**2026.6**	**6006.5**
Stddev	1897.	194.	17.5	55.2
%RSD	1.1394	.54956	.86519	.91970
#1	167820.	35466.	2039.0	6045.6
#2	165140.	35191.	2014.2	5967.5

Sample Name: ccb Acquired: 6/3/2014 4:13:17 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0005**	**.0002**	**.0001**	**.0021**	**.0004**	**-.0010**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0003	.0001	.0000	.0000	.0002
%RSD	32.14	2.282	1.945	22.17	404.5	6.420	2.467	.8765	305.2
#1	.0004	.0004	.0005	.0002	.0003	.0022	.0004	-.0010	.0002
#2	.0003	.0004	.0005	.0003	-.0001	.0020	.0003	-.0010	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0009**	**.0008**	**-.0015**	**.0027**	**.0007**	**.0029**	**.0083**
Stddev	.0001	.0001	.0000	.0001	.0003	.0001	.0005	.0021	.0009
%RSD	116.2	51.20	3.901	11.11	19.88	4.494	74.71	71.38	10.86
#1	.0002	.0001	-.0009	.0009	-.0013	.0026	.0003	.0014	.0077
#2	.0000	.0001	-.0010	.0008	-.0017	.0028	.0010	.0044	.0089
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**	**.0021**	**-.0021**	**.0322**	**.0004**	**.0009**	**.0004**	**.0012**	**.0001**
Stddev	.0005	.0041	.0149	.0023	.0002	.0003	.0004	.0007	.0003
%RSD	8.731	191.7	709.0	7.013	62.33	33.34	95.27	58.94	309.9
#1	.0064	-.0008	.0085	.0306	.0005	.0011	.0007	.0017	.0003
#2	.0056	.0050	-.0127	.0338	.0002	.0007	.0001	.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									

Sample Name: ccb Acquired: 6/3/2014 4:13:17 Type: QC
Method: Accutest1(v88) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0005**	**-.0074**	**.0002**	**.0021**	**.0004**	**.0033**
Stddev	.0000	.0001	.0008	.0002	.0016	.0005	.0006
%RSD	1.562	12.81	11.22	90.72	79.66	122.3	18.97
#1	.0004	.0006	-.0068	.0004	.0032	.0007	.0037
#2	.0004	.0005	-.0080	.0001	.0009	.0001	.0028
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	**175510.**	**36645.**	**2104.8**	**6394.5**
Stddev	172.	161.	6.1	5.5
%RSD	.09813	.43966	.28930	.08569
#1	175390.	36531.	2109.1	6390.6
#2	175630.	36759.	2100.5	6398.4

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	0.000000	0.000000	No
			Zr	0.001080	0.000000	No
Be 313.042 {108}	☒	13	V	0.000649	0.000000	No
			Mo	-0.000037	0.000000	No
			Ti	-0.000287	0.000000	No
			Mn	0.000027	0.000000	No
			Ba	0.000015	0.000000	No
			Co	-0.000020	0.000000	No
			Ni	0.000004	0.000000	No
			Ca	0.000000	0.000000	No
			Cu	0.000034	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cd	0.000050	0.000000	No
			W	0.000000	0.000000	No
Cd 228.802 {448}	☒	13	As	0.005000	0.000000	No
			Ni	-0.000178	0.000000	No
			Fe	0.000005	0.000000	No
			V	0.000050	0.000000	No
			Ba	-0.000047	0.000000	No
			Co	-0.000950	0.000000	No
			Sr	0.000100	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	-0.000021	0.000000	No
			Cr	0.000025	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000026	0.000000	No
			Al	0.000000	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000006	0.000000	No
			Cr	-0.000100	0.000000	No
			Mo	-0.000400	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001639	0.000000	No
			Ba	0.000062	0.000000	No
			W	0.000000	0.000000	No
			Cd	-0.000060	0.000000	No
			Si	0.000000	0.000000	No
			Ca	0.000000	0.000000	No
Cr 267.716 {126}	☒	15	Mn	0.000402	0.000000	No
			V	0.000080	0.000000	No
			Mo	0.000018	0.000000	No
			Fe	-0.000009	0.000000	No
			Cd	-0.000050	0.000000	No
			Al	0.000001	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	0.000000	0.000000	No
			Ti	0.000000	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	-0.000005	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	0.000000	0.000000	No
			W	0.004000	0.000000	No
			Zr	0.000280	0.000000	No
Cu 324.754 {104}2	☒	22	Cr	0.000016	0.000000	No
			V	-0.000283	0.000000	No
			Mo	0.000406	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.000100	0.000000	No
				Fe	-0.000075	0.000000	No
				Al	0.000002	0.000000	No
				Sn	-0.000097	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000317	0.000000	No
				Zr	0.000000	0.000000	No
				Si	0.000009	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000060	0.000000	No
				Sb	0.000000	0.000000	No
				Mg	0.000002	0.000000	No
				Ca	-0.000001	0.000000	No
				Bi	0.000000	0.000000	No
				W	0.000000	0.000000	No
				K	0.000000	0.000000	No
	Mn 257.610 {131}	☒	8	Fe	-0.000076	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				As	0.000001	0.000000	No
				Ca	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Cr	-0.000100	0.000000	No
	Ni 231.604 {446}	☒	19	Fe	0.000017	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	0.000080	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000001	0.000000	No
				Mo	0.000485	0.000000	No
				V	0.000011	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.000040	0.000000	No
				Mn	-0.000080	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	14	Mn	0.000211	0.000000	No
				Mo	-0.000098	0.000000	No
				Ti	-0.000830	0.000000	No
				Fe	-0.000434	0.000000	No
				V	-0.000040	0.000000	No
				Zn	-0.000080	0.000000	No
				Ca	0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Sr	-0.000024	0.000000	No
				Mg	0.000001	0.000000	No
				Zr	0.005800	0.000000	No

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	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Si	-0.000021	0.000000	No
				Ba	0.000006	0.000000	No
				K	0.000000	0.000000	No
	V 292.402 {115}	☒	7	Ti	0.000630	0.000000	No
				Mo	-0.013100	0.000000	No
				Fe	0.000011	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.002600	0.000000	No
				Mn	-0.000200	0.000000	No
				Zr	0.000170	0.000000	No
	Zn 206.200 {464}	☒	20	Cr	-0.001125	0.000000	No
				Mo	0.000260	0.000000	No
				Fe	-0.000008	0.000000	No
				Si	0.000065	0.000000	No
				Mn	0.000350	0.000000	No
				Ba	-0.000060	0.000000	No
				Na	0.000003	0.000000	No
				Ca	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Sn	0.000255	0.000000	No
				Cu	-0.000774	0.000000	No
				As	0.000500	0.000000	No
				Be	0.000364	0.000000	No
				Pd	0.000280	0.000000	No
				Ti	-0.000080	0.000000	No
				Al	0.000005	0.000000	No
				Zr	0.000000	0.000000	No
				Bi	-0.003364	0.000000	No
				W	0.060000	0.000000	No
				K	0.000000	0.000000	No
	As 189.042 {478}	☒	23	Al	0.000003	0.000000	No
				Fe	-0.000008	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	0.000090	0.000000	No
				Mo	0.000040	0.000000	No
				Cr	-0.005750	0.000000	No
				V	0.000095	0.000000	No
				Co	-0.001500	0.000000	No
				Ba	-0.000067	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000228	0.000000	No
				Tl	0.000030	0.000000	No
				Be	-0.000007	0.000000	No
				Mg	-0.000000	0.000000	No
				Si	-0.000195	0.000000	No
				Zn	0.000115	0.000000	No
				Sr	0.000100	0.000000	No
				Pd	0.031510	0.000000	No
				Zr	-0.000411	0.000000	No
				Ti	-0.000070	0.000000	No
				W	0.000000	0.000000	No
				S	-0.000040	0.000000	No
				K	0.000000	0.000000	No
	Tl 190.856 {477}	☒	29	Cr	0.000421	0.000000	No
				Mo	-0.005200	0.000000	No
				Al	-0.000002	0.000000	No
				Fe	-0.000123	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				V	-0.028200	0.000000	No
				Mn	0.000800	0.000000	No
				Ca	-0.000006	0.000000	No
				Ti	-0.001400	0.000000	No
				Mg	-0.000002	0.000000	No
				Co	0.003472	0.000000	No
				Sr	-0.000400	0.000000	No
				B	-0.000025	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	0.000100	0.000000	No
				As	-0.000020	0.000000	No
				W	0.000000	0.000000	No
				Ni	0.000090	0.000000	No
				Cu	-0.000125	0.000000	No
				Zr	0.000000	0.000000	No
				Pd	0.000185	0.000000	No
				Pb	-0.000600	0.000000	No
				S	0.000010	0.000000	No
				Ag	0.000250	0.000000	No
				Be	0.000000	0.000000	No
				Sn	-0.000023	0.000000	No
				K	0.000000	0.000000	No
				Cd	-0.000240	0.000000	No
				Si	0.000293	0.000000	No
				Na	-0.000001	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000071	0.000000	No
				Fe	0.000035	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000033	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002050	0.000000	No
				Cu	-0.000031	0.000000	No
				V	0.000068	0.000000	No
				Co	0.000073	0.000000	No
				Ti	-0.000200	0.000000	No
				Si	-0.000042	0.000000	No
				Ba	-0.000010	0.000000	No
				Sb	0.000150	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000140	0.000000	No
				W	-0.002000	0.000000	No
				Mg	0.000002	0.000000	No
				Cd	-0.000018	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				S	-0.000010	0.000000	No
				Bi	0.000000	0.000000	No
	Se 196.090 {472}	☒	22	Al	-0.000024	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	0.000223	0.000000	No
				Mo	-0.000119	0.000000	No
				Fe	-0.000175	0.000000	No
				Co	-0.000330	0.000000	No
				V	-0.000200	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	0.080000	0.000000	No
				Si	0.000011	0.000000	No
				Tl	0.000204	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	0.000100	0.000000	No
				B	0.000025	0.000000	No
				Pd	0.000700	0.000000	No
				Ti	-0.000017	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.004300	0.000000	No
				Ba	0.000040	0.000000	No
				Mg	-0.000002	0.000000	No
				S	-0.000010	0.000000	No
	Sb 206.833 {463}	☒	14	Fe	-0.000010	0.000000	No
				Al	0.000006	0.000000	No
				Ca	-0.000001	0.000000	No
				Ni	-0.000856	0.000000	No
				Cr	0.006200	0.000000	No
				V	-0.004530	0.000000	No
				Zn	0.000188	0.000000	No
				Mo	0.000250	0.000000	No
				Ti	0.000100	0.000000	No
				Sn	-0.015500	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000003	0.000000	No
				Zr	-0.000300	0.000000	No
				Sr	0.000031	0.000000	No
	Al 396.152 { 85}	☒	4	Si	0.000350	0.000000	No
				Ca	-0.000265	0.000000	No
				Mo	0.039000	0.000000	No
				Zr	-0.008158	0.000000	No
	Ca 317.933 {106}	☒	18	Fe	0.000120	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004955	0.000000	No
				Be	0.001840	0.000000	No
				Ba	-0.001500	0.000000	No
				Cu	0.004200	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.001859	0.000000	No
				Pd	0.004700	0.000000	No
				Mn	0.000000	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.005000	0.000000	No
				Co	-0.000920	0.000000	No
				Cr	0.004000	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
				Pb	0.002000	0.000000	No
	Fe 259.940 {130}	☒	13	Co	0.000200	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002562	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000360	0.000000	No
				Mn	-0.002000	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000085	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			K	-0.000200	0.000000	No
			Zn	0.000080	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.016250	0.000000	No
			W	0.000000	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	12	Fe	-0.000715	0.000000	No
			Al	0.000032	0.000000	No
			Ca	-0.000012	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002360	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.000500	0.000000	No
Na 589.592 { 57}	☒	6	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000034	0.000000	No
			Al	0.000040	0.000000	No
			V	0.000000	0.000000	No
			Cr	0.000000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027950	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.000576	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.000684	0.000000	No
			V	-0.000048	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000060	0.000000	No
			Mo	-0.000320	0.000000	No
			Co	-0.005883	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000017	0.000000	No
			Si	-0.000040	0.000000	No
			Zr	-0.157000	0.000000	No
Si 212.412 {459}	☒	19	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.027230	0.000000	No
			V	-0.000190	0.000000	No
			Ti	0.043950	0.000000	No
			Al	0.000049	0.000000	No
			Cd	0.008630	0.000000	No
			Ba	0.000000	0.000000	No
			Fe	0.000129	0.000000	No
			Sn	0.007000	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002500	0.000000	No
			Mg	-0.000185	0.000000	No
			W	-0.007198	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000078	0.000000	No
			Cr	0.001600	0.000000	No
			Mn	0.001000	0.000000	No
			Zr	0.000540	0.000000	No
			B	0.001900	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.002020	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
			Al	-0.000004	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	0.000000	0.000000	No
			Ca	0.000047	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000204	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	27	Al	0.000005	0.000000	No
			Si	-0.000117	0.000000	No
			Ca	-0.000004	0.000000	No
			Fe	-0.000039	0.000000	No
			As	-0.000220	0.000000	No
			Mg	-0.000005	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.000710	0.000000	No
			Ti	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			V	0.001000	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000001	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	0.000000	0.000000	No
			Sn	-0.000500	0.000000	No
			Zr	-0.001000	0.000000	No
			B	0.000000	0.000000	No
			Sb	0.000000	0.000000	No
			Co	-0.002830	0.000000	No
			Ni	0.000000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	0.000000	0.000000	No
			Cu	-0.002860	0.000000	No
			Ba	0.000000	0.000000	No
			Tl	0.000000	0.000000	No
			Pb	0.000000	0.000000	No
Zr 339.198 { 99}	☒	10	Mo	0.000250	0.000000	No
			Ti	0.000000	0.000000	No
			Fe	-0.000068	0.000000	No
			Si	0.000125	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
			Be	-0.000500	0.000000	No
			Bi	0.000000	0.000000	No
			Ba	0.000700	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ag	0.000000	0.000000	No
	S 182.034 {485}	☒	6	Ca	0.000065	0.000000	No
				Mo	0.000000	0.000000	No
				Al	-0.000129	0.000000	No
				Fe	-0.000043	0.000000	No
				Mn	0.003160	0.000000	No
				Mg	0.000004	0.000000	No
	Bi 223.061 {451}	☒	4	Fe	0.000035	0.000000	No
				Ti	-0.002890	0.000000	No
				V	-0.000680	0.000000	No
				Cr	0.001100	0.000000	No
	Li 670.784 { 50}	☒	1	Mg	0.000006	0.000000	No

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000714	1.343333	0.000000	1.000000
	Be 313.042 {108}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000191	3.133650	0.000000	1.000000
	Cd 228.802 {448}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000906	1.076469	0.000000	1.000000
	Co 228.616 {448}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000316	0.419905	0.000000	1.000000
	Cr 267.716 {126}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000032	0.071179	0.000000	1.000000
	Cu 324.754 {104}2	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.002966	0.232877	0.000000	1.000000
	Mn 257.610 {131}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000080	0.387945	0.000000	1.000000
	Ni 231.604 {446}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.001605	0.327949	0.000000	1.000000
	Ag 328.068 {103}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000011	0.113908	0.000000	1.000000
	V 292.402 {115}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000109	0.121756	0.000000	1.000000
	Zn 206.200 {464}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000405	0.815678	0.000000	1.000000
	As 189.042 {478}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000608	0.160340	0.000000	1.000000
	Tl 190.856 {477}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000417	0.045376	0.000000	1.000000
	Pb 220.353 {453}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000126	0.138163	0.000000	1.000000
	Se 196.090 {472}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000944	0.101973	0.000000	1.000000
	Sb 206.833 {463}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000863	0.223969	0.000000	1.000000
	Al 396.152 { 85}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000052	0.026909	0.000000	1.000000
	Ca 317.933 {106}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.006461	0.061665	0.000000	1.000000
	Fe 259.940 {130}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000215	0.042691	0.000000	1.000000
	Mg 279.079 {121}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000090	0.005487	0.000000	1.000000
	K 766.490 { 44}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.001191	0.015508	0.000000	1.000000
	Na 589.592 { 57}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000282	0.062405	0.000000	1.000000
	B 208.959 {462}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000591	0.211101	0.000000	1.000000
	Mo 202.030 {467}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.001527	0.970726	0.000000	1.000000
	Pd 340.458 { 99}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000055	0.048087	0.000000	1.000000
	Si 212.412 {459}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.007378	0.277767	0.000000	1.000000
	Sn 189.989 {478}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000336	0.176718	0.000000	1.000000
	Sr 407.771 { 83}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000571	2.496330	0.000000	1.000000
	Ti 334.904 {101}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.000161	0.124683	0.000000	1.000000
	Y 360.073 { 94}*	10/25/2013 12:00:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	9/12/2013 9:42:19	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	4/16/2014 11:15:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	1/2/2014 9:54:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.009745	0.433998	0.000000	1.000000
	Zr 339.198 { 99}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000084	0.260007	0.000000	1.000000
	S 182.034 {485}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.002854	0.056413	0.000000	1.000000
	Bi 223.061 {451}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	-0.002343	0.315817	0.000000	1.000000
	Li 670.784 { 50}	6/2/2014 11:50:53	6/2/2014 11:50:53	Linear	1/Conc	0.000581	0.495127	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	0.000186	0.000619	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000038	0.000126	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000175	0.000583	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000264	0.000881	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000320	0.001067	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000234	0.000780	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000050	0.000167	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000309	0.001032	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000395	0.001318	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000248	0.000826	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000202	0.000673	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000938	0.003126	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001299	0.004331	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001061	0.003537	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001806	0.006021	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001038	0.003460	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007466	0.024886	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.002147	0.007155	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.001601	0.005336	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.016244	0.054148	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.026238	0.087460	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.005960	0.019867	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000706	0.002354	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000209	0.000696	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000866	0.002887	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000820	0.002734	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000744	0.002479	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000071	0.000237	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000339	0.001131	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	0.000939	0.003129	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000153	0.000510	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002900	0.009665	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001000	0.003335	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000777	0.002591	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/3/2014 18:31:43 Type: Cal
Method: Accutest1(v112) 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	**.0006**	**-.0001**	**.0007**	**-.0005**	**.0000**	**.0054**	**.0001**	**.0016**	**-.0001**
Stddev	.0000	.0001	.0002	.0000	.000	.0000	.0000	.0000	.0000
%RSD	.0814	53.78	21.22	3.545	131.2	.6186	1.189	1.045	70.75
#1	.0006	-.0001	.0008	-.0005	.0000	.0053	.0001	.0016	-.0001
#2	.0006	-.0001	.0006	-.0005	.0000	.0054	.0001	.0016	.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**	**.0002**	**-.0016**	**-.0004**	**-.0002**	**.0011**	**.0005**	**.0000**	**.0056**
Stddev	.0000	.0002	.0001	.0000	.0000	.0000	.0000	.000	.0001
%RSD	14.25	75.85	7.129	6.146	3.908	1.738	1.329	18.45	.9053
#1	-.0001	.0001	-.0017	-.0004	-.0002	.0011	.0005	.0000	.0057
#2	-.0001	.0003	-.0015	-.0004	-.0002	.0011	.0005	.0000	.0056

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.0001**	**.0003**	**.0009**	**.0015**	**.0007**	**-.0001**	**.0077**	**.0003**
Stddev	.0000	.0001	.0002	.0001	.0001	.0000	.0000	.0001	.0001
%RSD	16.98	96.32	65.95	6.740	5.840	2.801	4.933	.7264	27.88
#1	.0002	.0000	.0004	.0008	.0014	.0008	-.0001	.0078	.0004
#2	.0001	-.0002	.0002	.0009	.0015	.0007	-.0001	.0077	.0002

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	**-.0004**	**-.0002**	**.0028**	**-.0001**	**-.0032**	**-.0009**	**.0012**
Stddev	.0000	.0000	.0000	.0000	.0001	.0000	.0002
%RSD	7.984	7.772	1.156	10.22	2.520	2.325	12.84
#1	-.0004	-.0002	.0027	-.0001	-.0032	-.0009	.0013
#2	-.0004	-.0002	.0028	-.0001	-.0031	-.0010	.0011

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/3/2014 18:31:43 Type: Cal
Method: Accutest1(v112) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**161450.**	**31100.**	**2161.3**	**5830.8**
Stddev	128.	101.	.7	.8
%RSD	.07913	.32563	.03344	.01433
#1	161360.	31171.	2160.8	5831.4
#2	161540.	31028.	2161.8	5830.2

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/3/2014 18:37:46 Type: Cal
Method: Accutest1(v112) 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	**5.622**	**13.13**	**4.443**	**1.849**	**.3002**	**1.002**	**1.607**	**1.401**	**.0586**
Stddev	.008	.06	.066	.021	.0004	.002	.005	.015	.0001
%RSD	.1455	.4808	1.478	1.159	.1417	.2284	.3427	1.078	.1490
#1	5.616	13.18	4.490	1.864	.2998	1.004	1.603	1.412	.0585
#2	5.628	13.09	4.397	1.834	.3005	1.000	1.611	1.391	.0586

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	**.5133**	**3.532**	**.6845**	**.1860**	**.5998**	**.2637**	**1.003**	**2.256**	**5.236**
Stddev	.0004	.042	.0085	.0024	.0077	.0041	.016	.004	.026
%RSD	.0710	1.196	1.246	1.295	1.281	1.556	1.582	.2014	.4914
#1	.5130	3.562	.6906	.1877	.6052	.2666	1.014	2.259	5.254
#2	.5136	3.502	.6785	.1843	.5944	.2608	.9917	2.253	5.218

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	**3.660**	**.5198**	**1.287**	**5.313**	**1.111**	**4.057**	**.1958**	**3.159**	**.7336**
Stddev	.013	.0029	.003	.004	.017	.058	.0000	.047	.0102
%RSD	.3425	.5539	.1932	.0682	1.487	1.417	.0067	1.498	1.388
#1	3.669	.5218	1.288	5.316	1.123	4.097	.1958	3.192	.7408
#2	3.651	.5177	1.285	5.311	1.099	4.016	.1958	3.126	.7264

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	**10.61**	**.5181**	**1.844**	**1.071**	**.2534**	**1.326**	**2.259**
Stddev	.05	.0002	.031	.001	.0034	.020	.001
%RSD	.4816	.0480	1.664	.0579	1.344	1.535	.0532
#1	10.65	.5179	1.866	1.070	.2558	1.341	2.258
#2	10.58	.5183	1.822	1.071	.2509	1.312	2.260

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/3/2014 18:37:46 Type: Cal
Method: Accutest1(v112) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**151990.**	**29737.**	**2025.3**	**5406.0**
Stddev	223.	86.	27.3	59.6
%RSD	.14662	.29001	1.3501	1.1025
#1	152150.	29676.	2005.9	5363.9
#2	151830.	29798.	2044.6	5448.2

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/3/2014 18:43:52 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.069**	**2.048**	**2.058**	**2.038**	**1.971**	**2.088**	**2.078**	**.2446**
Stddev	.007	.017	.011	.003	.011	.018	.011	.005	.0026
%RSD	.3321	.8231	.5522	.1451	.5317	.9113	.5395	.2312	1.047
#1	2.027	2.081	2.056	2.061	2.046	1.984	2.096	2.081	.2464
#2	2.018	2.057	2.040	2.056	2.030	1.959	2.080	2.074	.2428
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**	**2.083**	**2.032**	**2.104**	**2.072**	**2.015**	**2.036**	**39.43**	**40.15**
Stddev	.015	.005	.010	.007	.004	.017	.016	.23	.35
%RSD	.7190	.2315	.4711	.3192	.1888	.8314	.8056	.5840	.8684
#1	2.023	2.086	2.039	2.109	2.075	2.027	2.047	39.60	40.40
#2	2.002	2.079	2.026	2.099	2.069	2.003	2.024	39.27	39.91
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	**40.33**	**39.55**	**39.38**	**39.72**	**2.032**	**2.064**	**1.961**	**5.016**	**2.074**
Stddev	.32	.38	.24	.25	.006	.013	.015	.028	.011
%RSD	.7850	.9532	.5991	.6176	.2914	.6136	.7738	.5653	.5218
#1	40.55	39.82	39.55	39.89	2.036	2.073	1.972	5.036	2.081
#2	40.10	39.29	39.22	39.55	2.028	2.055	1.950	4.996	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: ccvconf Acquired: 6/3/2014 18:43:52 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.014**	**2.023**	**1.954**	**1.959**	**2.013**	**1.982**
Stddev	.009	.014	.010	.013	.010	.015	.011
%RSD	.4585	.7133	.4965	.6554	.5087	.7558	.5641
#1	2.052	2.025	2.030	1.963	1.966	2.024	1.990
#2	2.039	2.004	2.016	1.945	1.952	2.002	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**156820.**	**30110.**	**2062.9**	**5513.2**
Stddev	939.	274.	11.7	17.2
%RSD	.59851	.90860	.56584	.31238
#1	156160.	29916.	2054.7	5501.0
#2	157490.	30303.	2071.2	5525.4

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/3/2014 18:49:42 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**-.0001**	**.0000**	**-.0002**	**.0001**	**.0006**	**.0003**
Stddev	.0000	.0000	.0000	.0002	.0001	.0005	.0001	.0001	.0001
%RSD	30.39	10.33	56.02	144.8	404.4	294.2	111.3	15.33	36.34
#1	.0001	.0001	.0000	-.0002	.0000	.0002	.0001	.0007	.0004
#2	.0002	.0001	.0001	.0000	.0001	-.0005	.0000	.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									

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**	**.0000**	**.0004**	**.0010**	**.0009**	**.0031**	**.0006**
Stddev	.0001	.0000	.0004	.001	.0007	.0020	.0008	.0049	.0010
%RSD	51.38	1.308	270.1	40760.	149.8	190.1	87.60	160.6	167.3
#1	.0003	-.0004	.0001	.0010	.0000	-.0004	.0003	.0065	.0013
#2	.0001	-.0004	-.0005	-.0010	.0009	.0024	.0015	-.0004	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0101**	**.0238**	**.0068**	**.0014**	**.0002**	**-.0001**	**.0005**	**.0002**
Stddev	.0019	.0070	.0022	.0019	.0003	.0002	.0000	.0001	.0000
%RSD	91.98	69.52	9.124	27.72	23.95	98.61	47.42	27.70	.5674
#1	.0033	.0051	.0254	.0055	.0017	.0003	-.0001	.0004	.0002
#2	.0007	.0150	.0223	.0082	.0012	.0000	-.0001	.0006	.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: ccbconf Acquired: 6/3/2014 18:49:42 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0046**	**.0002**	**-.0004**	**-.0002**	**.0006**
Stddev	.0000	.0002	.0009	.0001	.0003	.0007	.0004
%RSD	3.209	23.98	19.17	60.21	85.63	327.8	62.96
#1	.0002	.0008	.0052	.0003	-.0006	-.0007	.0008
#2	.0002	.0005	.0040	.0001	-.0001	.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**165670.**	**30889.**	**2129.5**	**5755.1**
Stddev	4974.	115.	9.3	20.8
%RSD	3.0026	.37367	.43838	.36224
#1	162150.	30971.	2122.9	5740.4
#2	169190.	30807.	2136.1	5769.9

Zoom In Zoom Out

Sample Name: icv Acquired: 6/3/2014 18:56:45 Type: QC
Method: Accutest1(v112) 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	**2.025**	**2.068**	**2.052**	**2.033**	**2.075**	**1.985**	W **2.129**	**2.080**
Stddev	.004	.003	.005	.005	.008	.009	.006	.006
%RSD	.2091	.1462	.2568	.2520	.3871	.4662	.2871	.2753
#1	2.022	2.069	2.058	2.038	2.082	1.985	2.135	2.086
#2	2.030	2.071	2.052	2.028	2.066	1.994	2.123	2.076
#3	2.024	2.065	2.047	2.032	2.078	1.976	2.129	2.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							2.000	
Range							5.000%	

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2529**	**2.017**	**2.088**	**2.067**	**2.081**	**2.047**	**2.019**	**2.024**
Stddev	.0005	.005	.008	.007	.004	.008	.008	.006
%RSD	.1982	.2744	.3810	.3595	.2146	.3731	.3994	.3032
#1	.2535	2.022	2.097	2.075	2.085	2.056	2.029	2.028
#2	.2527	2.011	2.083	2.065	2.076	2.042	2.014	2.026
#3	.2526	2.018	2.083	2.061	2.082	2.043	2.015	2.017
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	**40.50**	**40.95**	**41.84**	**41.75**	**41.39**	**40.99**	**2.037**	**1.990**
Stddev	.09	.05	.04	.02	.13	.12	.007	.006
%RSD	.2261	.1219	.0963	.0449	.3046	.3011	.3420	.3118
#1	40.51	41.01	41.83	41.76	41.44	40.94	2.045	1.997
#2	40.59	40.93	41.88	41.75	41.48	41.13	2.033	1.990
#3	40.41	40.92	41.80	41.73	41.24	40.89	2.033	1.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: icv Acquired: 6/3/2014 18:56:45 Type: QC
Method: Accutest1(v112) 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	F **2.214**	**5.126**	**2.047**	**2.037**	**2.089**	W **2.183**	W **2.170**	**2.001**
Stddev	.008	.009	.007	.003	.003	.009	.004	.005
%RSD	.3562	.1851	.3583	.1262	.1542	.4010	.1883	.2320
#1	2.212	5.136	2.055	2.036	2.092	2.191	2.174	2.006
#2	2.223	5.127	2.043	2.040	2.088	2.184	2.172	1.998
#3	2.208	5.117	2.043	2.035	2.086	2.174	2.166	1.998
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
Value	2.000					2.000	2.000	
Range	10.00%					5.000%	5.000%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	W **2.151**	F **2.304**
Stddev	.006	.009
%RSD	.2670	.4129
#1	2.152	2.300
#2	2.155	2.314
#3	2.144	2.296
Check ?	Chk Warn	Chk Fail
Value	2.000	2.000
Range	5.000%	10.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**154460.**	**29926.**	**2049.6**	**5474.5**
Stddev	392.	46.	5.0	9.0
%RSD	.25374	.15343	.24472	.16435
#1	154390.	29930.	2046.3	5464.7
#2	154880.	29878.	2047.2	5476.1
#3	154100.	29969.	2055.4	5482.5

Zoom In Zoom Out

Sample Name: icb Acquired: 6/3/2014 19:05:23 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**-.0001**	**.0000**	**.0000**	**.0000**	**.0000**	**.0005**	**.0003**
Stddev	.0001	.0000	.0001	.0002	.000	.000	.0000	.0000	.0001
%RSD	35.95	2.953	143.5	3958.	211.0	464.6	157.9	6.209	25.51
#1	.0002	.0001	-.0001	-.0001	.0000	.0001	.0000	.0005	.0004
#2	.0003	.0001	.0000	.0001	-.0001	-.0002	.0000	.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	**.0001**	**-.0002**	**-.0008**	**.0007**	**.0009**	**.0019**	**.0009**	**.0020**	**-.0006**
Stddev	.0000	.0003	.0002	.0012	.0009	.0016	.0005	.0029	.0016
%RSD	10.89	140.5	18.33	172.3	104.9	86.05	59.32	150.9	292.1
#1	.0001	-.0004	-.0007	.0015	.0002	.0030	.0005	-.0001	-.0017
#2	.0001	.0000	-.0009	-.0002	.0015	.0007	.0012	.0040	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0051**	**.0258**	**.0035**	**.0005**	**.0001**	**.0004**	**.0004**	**.0001**
Stddev	.0005	.0001	.0236	.0002	.0003	.0001	.0003	.0006	.0001
%RSD	88.99	1.688	91.55	6.734	57.37	136.8	86.32	139.4	146.7
#1	.0002	.0052	.0426	.0037	.0003	.0002	.0006	.0000	.0002
#2	.0009	.0051	.0091	.0034	.0008	.0000	.0001	.0009	.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: icb Acquired: 6/3/2014 19:05:23 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0029**	**.0000**	**.0002**	**.0005**	**.0001**
Stddev	.0001	.0002	.0011	.000	.0016	.0008	.0005
%RSD	90.40	50.90	36.01	302.7	764.9	159.1	858.7
#1	.0000	.0004	.0037	-.0001	.0014	-.0001	.0004
#2	.0001	.0002	.0022	.0000	-.0009	.0010	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**159690.**	**30770.**	**2113.7**	**5716.6**
Stddev	219.	120.	14.6	33.8
%RSD	.13722	.38995	.69241	.59106
#1	159840.	30685.	2124.1	5740.5
#2	159530.	30855.	2103.4	5692.7

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/3/2014 19:11:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.045**	**2.056**	**2.059**	**2.049**	**1.973**	F **2.102**	**2.085**	**.2448**
Stddev	.017	.012	.019	.014	.011	.012	.011	.014	.0012
%RSD	.8261	.6003	.9062	.6829	.5529	.6058	.5229	.6740	.4733
#1	1.973	2.030	2.028	2.038	2.034	1.956	2.087	2.064	.2431
#2	1.990	2.045	2.062	2.064	2.061	1.983	2.114	2.089	.2454
#3	2.010	2.060	2.064	2.066	2.053	1.976	2.104	2.094	.2453
#4	2.005	2.047	2.069	2.068	2.048	1.976	2.101	2.093	.2455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.094**	**2.037**	**2.091**	**2.073**	**2.044**	**2.038**	**39.05**	**39.71**
Stddev	.011	.014	.018	.015	.017	.010	.020	.26	.27
%RSD	.5260	.6861	.8823	.7361	.8275	.4998	.9716	.6734	.6811
#1	2.008	2.072	2.010	2.069	2.047	2.030	2.009	38.72	39.38
#2	2.033	2.101	2.047	2.094	2.081	2.041	2.042	39.02	39.72
#3	2.026	2.102	2.046	2.104	2.082	2.052	2.046	39.35	40.04
#4	2.024	2.100	2.047	2.098	2.082	2.051	2.055	39.10	39.68
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: 6/3/2014 19:11:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.86**	**39.19**	**38.94**	**39.30**	**2.036**	**2.070**	**1.965**	**5.015**	**2.080**
Stddev	.27	.27	.28	.26	.019	.017	.013	.045	.016
%RSD	.6769	.7008	.7301	.6720	.9376	.8274	.6796	.8932	.7812
#1	39.52	38.89	38.56	38.95	2.008	2.045	1.947	4.949	2.055
#2	39.86	39.22	38.91	39.24	2.040	2.076	1.978	5.029	2.085
#3	40.18	39.55	39.23	39.56	2.048	2.078	1.971	5.038	2.088
#4	39.88	39.11	39.06	39.43	2.048	2.081	1.964	5.045	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.027**	**2.028**	**1.961**	**1.956**	**2.007**	**1.953**
Stddev	.015	.011	.018	.011	.017	.020	.014
%RSD	.7620	.5250	.8617	.5403	.8735	.9839	.7258
#1	2.007	2.012	2.002	1.947	1.930	1.978	1.935
#2	2.024	2.038	2.033	1.972	1.964	2.014	1.949
#3	2.043	2.030	2.040	1.964	1.965	2.018	1.967
#4	2.033	2.030	2.038	1.963	1.963	2.020	1.962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/3/2014 19:11:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**155630.**	**30345.**	**2061.0**	**5507.2**
Stddev	605.	121.	15.5	33.8
%RSD	.38842	.39944	.75110	.61425
#1	156500.	30477.	2083.7	5557.3
#2	155140.	30356.	2055.8	5495.3
#3	155320.	30183.	2055.8	5492.8
#4	155570.	30365.	2048.8	5483.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 19:22:33 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0000**	**.0001**	**.0008**	**.0000**	**.0003**	**-.0001**
Stddev	.0000	.0000	.0000	.0001	.0001	.0012	.0000	.0001	.0003
%RSD	2.605	34.76	33.65	233.0	61.06	161.6	33.92	31.02	300.2
#1	.0002	.0000	.0001	.0000	.0001	-.0001	.0000	.0003	.0001
#2	.0002	.0001	.0001	.0001	.0001	.0016	.0000	.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	**.0000**	**-.0002**	**-.0007**	**.0005**	**.0002**	**.0011**	**.0008**	**.0044**	**-.0022**
Stddev	.0000	.0001	.0002	.0001	.0004	.0008	.0003	.0018	.0001
%RSD	119.2	88.55	30.13	19.02	213.1	74.80	36.31	39.71	4.147
#1	.0001	-.0003	-.0006	.0005	-.0001	.0016	.0011	.0032	-.0023
#2	.0000	-.0001	-.0009	.0004	.0005	.0005	.0006	.0057	-.0021
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**	**.0044**	**.0115**	**.0051**	**.0003**	**.0001**	**.0001**	**.0005**	**.0002**
Stddev	.0015	.0070	.0138	.0030	.0001	.0000	.0005	.0004	.0004
%RSD	217.7	158.6	119.5	58.41	26.02	3.424	481.7	81.23	192.0
#1	-.0004	.0093	.0018	.0072	.0004	.0001	.0005	.0008	-.0001
#2	.0017	-.0005	.0213	.0030	.0003	.0001	-.0003	.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									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 19:22:33 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0019**	**.0000**	**-.0011**	**.0002**	**.0009**
Stddev	.0000	.0002	.0006	.0001	.0015	.0000	.0006
%RSD	85.33	68.49	30.50	134.6	131.2	21.98	62.51
#1	.0001	.0001	.0024	.0001	-.0001	.0001	.0013
#2	.0000	.0004	.0015	.0000	-.0022	.0002	.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	**153140.**	**30978.**	**2139.5**	**5776.6**
Stddev	9558.	85.	1.7	4.1
%RSD	6.2412	.27475	.08032	.07063
#1	159900.	31038.	2140.7	5779.5
#2	146390.	30918.	2138.3	5773.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/3/2014 19:27:38 Type: QC
Method: Accutest1(v112) 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	**.1997**	**.0022**	**.0031**	**.0528**	**.0111**	**.0099**	**.0168**	**.0113**
Stddev	.0001	.0000	.0001	.0004	.0000	.0002	.0000	.0002
%RSD	.0558	1.829	2.613	.8285	.2178	1.910	.1856	1.904
#1	.1996	.0022	.0031	.0525	.0111	.0097	.0167	.0112
#2	.1998	.0021	.0030	.0531	.0112	.0100	.0168	.0115
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	**.0053**	**.0542**	W **.0243**	W **.0099**	W **.0123**	W **.0038**	**.0119**	**.0071**
Stddev	.0001	.0001	.0002	.0003	.0006	.0006	.0023	.0003
%RSD	1.068	.1330	.9347	2.985	4.713	16.12	19.01	4.142
#1	.0053	.0543	.0241	.0101	.0119	.0034	.0135	.0073
#2	.0053	.0542	.0244	.0097	.0127	.0042	.0103	.0069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass
Value			.0200	.0080	.0100	.0030		
Range			20.00%	20.00%	20.00%	20.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2110**	**5.089**	**.1072**	**5.065**	**5.087**	**4.987**	**.1033**	**.0211**
Stddev	.0086	.009	.0007	.021	.006	.000	.0004	.0001
%RSD	4.074	.1706	.6602	.4057	.1225	.0081	.4256	.5467
#1	.2171	5.083	.1077	5.079	5.082	4.987	.1030	.0211
#2	.2050	5.095	.1067	5.050	5.091	4.988	.1036	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/3/2014 19:27:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0470**	**.2112**	**.0104**	**.0105**	**.0111**	F **.0056**	**.0106**	**.0476**
Stddev	.0002	.0005	.0005	.0001	.0003	.0010	.0002	.0015
%RSD	.4794	.2295	4.626	.7701	2.402	17.09	1.794	3.183
#1	.0468	.2115	.0101	.0105	.0113	.0063	.0105	.0487
#2	.0471	.2108	.0108	.0106	.0109	.0049	.0108	.0465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value						.0500		
Range						-30.00%		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0213**	**.0213**
Stddev	.0001	.0003
%RSD	.3674	1.231
#1	.0214	.0211
#2	.0213	.0215
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	**158150.**	**30497.**	**2123.2**	**5720.7**
Stddev	474.	27.	5.4	15.2
%RSD	.29955	.08965	.25609	.26566
#1	157820.	30516.	2127.0	5731.5
#2	158490.	30478.	2119.3	5710.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/3/2014 19:33:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0010**	**.0031**	**.0023**	**.0019**	**.0034**	**.0048**
Stddev	.0000	.0000	.0002	.0001	.0001	.0002	.0000	.0004
%RSD	.8918	3.780	23.41	1.984	2.318	8.034	.4898	7.952
#1	.0042	.0010	.0011	.0030	.0023	.0020	.0033	.0050
#2	.0042	.0011	.0008	.0031	.0022	.0018	.0034	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0012**	**.0021**	W **.0127**	**.0035**	**.0023**	F **.0038**	F **.0025**	W **.0038**
Stddev	.0000	.0002	.0005	.0013	.0007	.0001	.0008	.0001
%RSD	3.390	7.261	4.054	36.45	31.94	3.838	33.04	3.463
#1	.0013	.0023	.0131	.0026	.0018	.0039	.0019	.0039
#2	.0012	.0020	.0123	.0044	.0028	.0037	.0031	.0037
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Warn
Value	.0010		.0100			.0025	.0050	.0030
Range	20.00%		20.00%			30.00%	-30.00%	20.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1052**	**1.048**	**.0011**	**.1063**	**2.067**	**1.034**	**.0099**	**-.0001**
Stddev	.0005	.001	.0008	.0028	.019	.004	.0002	.0002
%RSD	.4894	.0507	69.69	2.656	.9037	.4347	1.929	175.7
#1	.1056	1.048	.0006	.1043	2.080	1.037	.0100	.0000
#2	.1048	1.047	.0016	.1083	2.054	1.031	.0098	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/3/2014 19:33:38 Type: QC
Method: Accutest1(v112) 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**	**.0010**	**.0001**	**-.0001**	**.0002**	F **.0000**	F **-.0001**	F **.0003**
Stddev	.0001	.0008	.0005	.0000	.0001	.000	.0001	.0008
%RSD	37.54	82.68	631.5	35.38	45.65	49.61	96.60	308.6
#1	-.0001	.0015	.0004	.0000	.0002	.0000	.0000	-.0003
#2	-.0002	.0004	-.0003	-.0001	.0001	.0000	-.0002	.0008
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 **.0003**
Stddev	.0008	.0004
%RSD	180.3	111.2
#1	.0010	.0001
#2	-.0001	.0006
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**158800.**	**30755.**	**2128.5**	**5753.5**
Stddev	950.	63.	52.6	141.8
%RSD	.59851	.20415	2.4709	2.4643
#1	159470.	30799.	2091.4	5653.2
#2	158120.	30710.	2165.7	5853.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/3/2014 19:39:43 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**-.0001**	**-.0002**	**.0000**	**.0003**	**.0002**
Stddev	.0001	.0000	.0000	.0001	.0001	.0001	.000	.0001	.0002
%RSD	56.33	6.056	22.12	293.8	114.7	68.83	11.94	41.69	95.73
#1	.0001	.0000	-.0002	.0000	.0000	-.0001	.0000	.0002	.0001
#2	.0002	.0000	-.0002	.0001	-.0002	-.0003	.0000	.0003	.0003
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0010**	**.0212**	**-.0005**	**.0240**	**.0201**	**.0212**	**.5290**	**.0080**
Stddev	.0000	.0001	.0001	.0008	.0009	.0030	.0005	.0205	.0008
%RSD	45.30	11.81	.3283	176.1	3.659	14.76	2.501	3.873	10.06
#1	.0001	.0009	.0212	.0001	.0234	.0222	.0216	.5145	.0086
#2	.0001	.0011	.0213	-.0010	.0247	.0180	.0208	.5435	.0074
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	**.5570**	**.0057**	**.0059**	**-.0005**	**-.0015**	**-.0003**	**.0000**	**-.0020**	**.0006**
Stddev	.0261	.0008	.0347	.0053	.0000	.0001	.001	.0001	.0001
%RSD	4.683	13.50	586.7	967.5	2.777	22.92	1815.	6.195	12.92
#1	.5386	.0051	-.0186	.0032	-.0015	-.0004	-.0005	-.0019	.0006
#2	.5755	.0062	.0305	-.0043	-.0015	-.0003	.0004	-.0021	.0007
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/3/2014 19:39:43 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0010**	**-.0001**	**-.0012**	**-.0004**	**-.0005**
Stddev	.000	.0001	.0008	.0001	.0008	.0000	.0003
%RSD	172.1	26.51	80.29	112.6	69.16	8.472	66.06
#1	-.0001	.0003	-.0004	.0000	-.0006	-.0004	-.0003
#2	.0000	.0005	-.0016	-.0002	-.0018	-.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	**160530.**	**29667.**	**2139.0**	**5772.3**
Stddev	296.	1108.	.0	1.2
%RSD	.18454	3.7331	.00082	.02051
#1	160740.	30451.	2139.0	5771.5
#2	160320.	28884.	2139.0	5773.1

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/3/2014 19:45:48 Type: Unk
Method: Accutest1(v112) 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	**.0622**	**.0155**	**.0133**	**.0496**	**.0352**	**.0315**	**.0500**	**.0741**	**.0180**
Stddev	.0013	.0004	.0006	.0011	.0036	.0020	.0001	.0011	.0012
%RSD	2.152	2.885	4.286	2.161	10.33	6.207	.1288	1.536	6.579
#1	.0612	.0152	.0137	.0489	.0326	.0301	.0500	.0749	.0188
#2	.0631	.0159	.0129	.0504	.0377	.0329	.0500	.0733	.0171

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0307**	**.1933**	**.0474**	**.0210**	**.0466**	**.0745**	**.0516**	**1.616**	**15.79**
Stddev	.0010	.0025	.0072	.0022	.0063	.0083	.0088	.035	.40
%RSD	3.245	1.290	15.10	10.25	13.47	11.08	17.00	2.183	2.555
#1	.0314	.1951	.0424	.0195	.0422	.0804	.0454	1.591	15.50
#2	.0300	.1916	.0525	.0226	.0510	.0687	.0578	1.641	16.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0003**	**1.696**	**30.66**	**15.54**	**.1294**	**-.0034**	**.0021**	**.0070**	**.0029**
Stddev	.0039	.018	.54	.31	.0037	.0001	.0104	.0176	.0052
%RSD	1442.	1.058	1.761	2.005	2.853	1.848	487.7	253.4	178.6
#1	-.0030	1.683	30.28	15.32	.1320	-.0034	.0095	.0194	-.0008
#2	.0025	1.709	31.05	15.76	.1268	-.0034	-.0052	-.0055	.0066

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0010**	**.0006**	**-.0186**	**-.0015**	**-.0235**	**.0077**	**.0016**
Stddev	.0002	.0001	.0040	.0016	.0285	.0057	.0006
%RSD	24.19	21.48	21.38	104.8	121.5	74.73	35.34
#1	-.0011	.0005	-.0158	-.0004	-.0436	.0036	.0012
#2	-.0008	.0007	-.0214	-.0026	-.0033	.0117	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160560.**	**30451.**	**2128.2**	**5732.7**
Stddev	347.	632.	1.0	.6
%RSD	.21628	2.0739	.04607	.01005
#1	160810.	30897.	2128.9	5733.1
#2	160320.	30004.	2127.5	5732.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/3/2014 19:51:52 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0021**	**-.0003**	**-.0001**	**.0031**	**.0000**	**-.0004**	**.0029**
Stddev	.0000	.0000	.0000	.0001	.0001	.0000	.000	.0003	.0003
%RSD	3.001	203.9	.7225	40.86	65.82	.8632	6002.	88.76	9.772
#1	-.0002	.0000	.0021	-.0002	-.0001	.0031	-.0002	-.0006	.0027
#2	-.0002	.0000	.0021	-.0004	-.0002	.0031	.0002	-.0001	.0031
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**	**-.0006**	**.0027**	**.0005**	**-.0023**	**.0004**	**.0057**	**534.0**	**409.9**
Stddev	.0003	.0005	.0025	.0006	.0008	.0051	.0017	6.5	1.2
%RSD	36.99	79.73	91.34	107.0	32.23	1210.	30.03	1.226	.2806
#1	.0006	-.0010	.0010	.0009	-.0029	-.0032	.0069	538.6	410.7
#2	.0010	-.0003	.0045	.0001	-.0018	.0040	.0045	529.3	409.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**204.7**	**581.0**	**.1441**	**.0154**	**-.0019**	**-.0048**	**.0060**	**.0125**	**-.0004**
Stddev	.5	.9	.0138	.0055	.0002	.0001	.0000	.0011	.0010
%RSD	.2523	.1494	9.612	35.85	10.98	1.406	.3160	9.053	220.8
#1	204.3	581.6	.1539	.0193	-.0018	-.0048	.0060	.0133	.0003
#2	205.0	580.4	.1343	.0115	-.0021	-.0047	.0060	.0117	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/3/2014 19:51:52 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0067**	**.0004**	**.0100**	**.0066**	**-.0678**	**.0150**	**.0013**
Stddev	.0001	.0002	.0009	.0001	.0019	.0014	.0008
%RSD	1.317	36.98	9.357	.9000	2.766	9.222	58.42
#1	-.0068	.0005	.0106	.0067	-.0692	.0160	.0008
#2	-.0067	.0003	.0093	.0066	-.0665	.0140	.0019
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	**142970.**	**27619.**	**1877.7**	**4872.6**
Stddev	236.	34.	2.1	7.8
%RSD	.16506	.12403	.11024	.15994
#1	142800.	27595.	1876.3	4867.1
#2	143140.	27643.	1879.2	4878.1

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/3/2014 19:58:08 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5262**	**.5214**	**1.038**	**.4924**	**.4843**	**.5449**	**.5102**	**.9889**	**1.057**
Stddev	.0160	.0135	.009	.0010	.0008	.0015	.0018	.0064	.003
%RSD	3.040	2.582	.8890	.2090	.1565	.2813	.3580	.6444	.2525
#1	.5375	.5310	1.045	.4931	.4838	.5460	.5089	.9934	1.059
#2	.5149	.5119	1.032	.4917	.4848	.5438	.5115	.9844	1.055
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	**.4875**	**.9876**	**1.084**	**.9712**	**1.013**	**1.050**	**1.032**	**518.3**	**398.1**
Stddev	.0004	.0040	.013	.0071	.007	.006	.009	9.0	12.3
%RSD	.0739	.4093	1.159	.7313	.6556	.5873	.9049	1.740	3.077
#1	.4873	.9905	1.093	.9763	1.018	1.055	1.039	524.7	406.8
#2	.4878	.9848	1.075	.9662	1.009	1.046	1.026	511.9	389.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**198.3**	**573.1**	**.1125**	**.0152**	**-.0012**	**.4997**	**.5668**	**.0030**	**.0005**
Stddev	3.2	13.3	.0142	.0006	.0001	.0044	.0000	.0012	.0002
%RSD	1.600	2.320	12.64	3.909	11.96	.8829	.0036	40.88	30.33
#1	200.5	582.5	.1226	.0148	-.0013	.5028	.5668	.0038	.0006
#2	196.0	563.7	.1024	.0156	-.0011	.4966	.5668	.0021	.0004
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/3/2014 19:58:08 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0065**	**.0003**	**.5594**	F **.6051**	**.4387**	**.5761**	**.5644**
Stddev	.0001	.0002	.0051	.0018	.0000	.0077	.0191
%RSD	1.814	47.73	.9191	.3050	.0006	1.331	3.389
#1	-.0066	.0004	.5631	.6038	.4387	.5815	.5779
#2	-.0064	.0002	.5558	.6064	.4387	.5707	.5509
Check ?	None	None	Chk Pass	Chk Fail	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	**144010.**	**28274.**	**1913.5**	**4963.4**
Stddev	84.	532.	21.5	42.4
%RSD	.05845	1.8819	1.1210	.85392
#1	143950.	27898.	1898.3	4933.4
#2	144060.	28650.	1928.6	4993.4

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/3/2014 20:04:15 Type: Unk
Method: Accutest1(v112) Mode: CONC 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**	**.0007**	**-.0006**	**.0002**	**.0012**	**.0015**	**-.0004**	**.0058**
Stddev	.000	.000	.0002	.0001	.0000	.0000	.0000	.0002	.0004
%RSD	1298.	122.1	25.79	17.29	8.575	.6126	2.041	59.36	6.896
#1	-.0002	.0000	.0008	-.0005	.0002	.0012	.0014	-.0002	.0060
#2	.0001	.0000	.0005	-.0007	.0002	.0012	.0015	-.0006	.0055

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0050**	**.0011**	**.0019**	**-.0008**	**.0021**	**.0070**	**-.0053**	**-.0088**
Stddev	.0000	.0000	.0010	.0004	.0001	.0041	.0001	.0041	.0036
%RSD	5.584	.8511	97.61	21.45	10.99	195.4	1.135	77.35	40.95
#1	.0009	.0051	.0003	.0022	-.0009	.0049	.0069	-.0024	-.0113
#2	.0008	.0050	.0018	.0016	-.0007	-.0008	.0070	-.0081	-.0062

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**211.4**	**-.0266**	**.0981**	**.0040**	**-.0037**	**.0001**	**.0041**	**-.0146**	**-.0012**
Stddev	.1	.0178	.0089	.0074	.0005	.0003	.0007	.0009	.0002
%RSD	.0317	66.88	9.117	185.1	13.26	236.7	17.28	6.431	18.79
#1	211.4	-.0140	.1044	-.0012	-.0033	-.0001	.0046	-.0153	-.0011
#2	211.3	-.0392	.0918	.0093	-.0040	.0003	.0036	-.0139	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**.0064**	**.0076**	**-.0038**	**.0207**	**-.0001**
Stddev	.000	.0002	.0009	.0001	.0008	.0006	.0010
%RSD	23.11	551.2	14.32	1.956	21.52	2.667	2008.
#1	.0000	.0002	.0057	.0077	-.0044	.0211	.0007
#2	.0000	-.0001	.0070	.0075	-.0033	.0204	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	157120.	30209.	2096.5	5812.9
Stddev	126.	22.	4.9	2.0
%RSD	.08037	.07282	.23427	.03485
#1	157030.	30193.	2099.9	5814.3
#2	157210.	30224.	2093.0	5811.4

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/3/2014 20:10:21 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0001**	**-.0003**	**.0007**	**12.27**	**.0025**	**-.0006**	**.0004**	**.0002**
Stddev	.0001	.0000	.0004	.0007	1.66	.0042	.0009	.0000	.0001
%RSD	22.84	7.630	129.4	110.1	13.54	169.3	141.3	1.073	63.69
#1	.0005	.0001	-.0006	.0012	11.10	-.0005	.0000	.0003	.0001
#2	.0004	.0001	.0000	.0001	13.45	.0054	-.0013	.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0164**	**-.0030**	**.0335**	**.0011**	**.0005**	**-.0012**	**.1117**	**.0056**	**.0009**
Stddev	.0245	.0088	.0445	.0036	.0004	.0007	.0477	.0049	.0320
%RSD	149.0	299.6	132.8	321.8	78.59	64.18	42.75	87.08	3485.
#1	.0009	.0033	.0650	-.0014	.0002	-.0006	.0779	.0022	-.0217
#2	-.0337	-.0092	.0020	.0037	.0008	-.0017	.1455	.0091	.0236

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0129**	**.0089**	**-.0235**	**.0016**	**-.0031**	**.0006**	**-.0011**	**.0049**	**-.0003**
Stddev	.0050	.0111	.0212	.0055	.0001	.0000	.0007	.0111	.0005
%RSD	38.66	123.8	89.91	339.7	4.435	6.622	62.27	225.0	151.3
#1	.0164	.0168	-.0385	-.0023	-.0032	.0006	-.0006	-.0029	.0000
#2	.0094	.0011	-.0086	.0055	-.0030	.0005	-.0016	.0127	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0017**	**-.0028**	**-.0023**	**.0011**	**.0032**	**.0000**
Stddev	.0000	.0018	.0002	.0003	.0003	.0085	.001
%RSD	8.446	108.8	7.381	14.37	27.43	261.4	2155.
#1	.0000	.0004	-.0027	-.0021	.0009	-.0027	.0004
#2	.0001	.0029	-.0030	-.0025	.0013	.0092	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	30989.	2109.0	5766.1
Stddev	-----	5.	7.7	19.4
%RSD	-----	.01707	.36321	.33703
#1	161680.	30993.	2103.6	5752.3
#2	-----	30985.	2114.4	5779.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 20:16:24 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.068**	**2.062**	**2.078**	**2.078**	**1.986**	**2.131**	**2.099**	**.2466**
Stddev	.001	.001	.002	.003	.008	.002	.008	.005	.0002
%RSD	.0497	.0559	.0878	.1638	.4011	.0837	.3632	.2553	.0877
#1	2.019	2.068	2.061	2.076	2.073	1.985	2.126	2.096	.2464
#2	2.020	2.067	2.063	2.081	2.084	1.987	2.137	2.103	.2468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.113**	**2.046**	**2.111**	**2.092**	**2.024**	**2.044**	**39.52**	**40.13**
Stddev	.007	.006	.004	.004	.004	.012	.000	.00	.10
%RSD	.3537	.2902	.1928	.1947	.1707	.5694	.0029	.0103	.2541
#1	2.040	2.109	2.043	2.108	2.089	2.016	2.045	39.51	40.21
#2	2.050	2.118	2.048	2.114	2.095	2.033	2.044	39.52	40.06
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	**40.27**	**39.60**	**39.37**	**39.79**	**2.035**	**2.078**	**1.977**	**5.049**	**2.088**
Stddev	.06	.12	.00	.04	.001	.003	.001	.001	.007
%RSD	.1608	.2976	.0004	.0988	.0643	.1273	.0730	.0212	.3460
#1	40.31	39.68	39.37	39.76	2.034	2.076	1.976	5.049	2.083
#2	40.22	39.52	39.37	39.81	2.036	2.079	1.978	5.048	2.093
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: 6/3/2014 20:16:24 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.051**	**2.024**	**1.986**	**1.976**	**2.015**	**1.977**
Stddev	.000	.009	.006	.006	.005	.001	.004
%RSD	.0155	.4572	.3180	.3009	.2319	.0411	.1879
#1	2.047	2.045	2.019	1.982	1.973	2.014	1.974
#2	2.048	2.058	2.028	1.991	1.979	2.015	1.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	154970.	29905.	2061.7	5500.8
Stddev	287.	75.	.2	4.4
%RSD	.18504	.25090	.01182	.08016
#1	155170.	29852.	2061.8	5504.0
#2	154760.	29958.	2061.5	5497.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 20:22:14 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0000**	**.0000**	**.0002**	**.0000**	**.0000**	**.0003**	**.0003**
Stddev	.0000	.0000	.000	.0001	.0000	.0002	.0000	.0002	.0003
%RSD	9.274	51.26	190.0	2185.	16.25	1358.	218.3	46.97	94.52
#1	.0002	.0000	.0000	.0000	.0001	-.0001	.0000	.0002	.0005
#2	.0003	.0001	-.0001	.0001	.0002	.0002	.0000	.0005	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0008**	**.0006**	**-.0004**	**-.0001**	**-.0027**	**.0012**	**-.0012**	**.0041**
Stddev	.0001	.0000	.0003	.0004	.0007	.0038	.0000	.0076	.0019
%RSD	69.83	.2954	51.65	116.6	827.7	137.5	.0350	615.6	44.72
#1	.0002	.0008	.0004	-.0007	-.0005	-.0001	.0012	.0041	.0055
#2	.0001	.0008	.0008	-.0001	.0004	-.0054	.0012	-.0066	.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**-.0042**	**-.0174**	**-.0001**	**-.0018**	**-.0001**	**.0001**	**-.0004**	**.0000**
Stddev	.0011	.0097	.0318	.0046	.0003	.0001	.0004	.0007	.0008
%RSD	46.57	232.3	182.5	3236.	19.54	48.33	688.8	147.3	1876.
#1	.0015	.0027	-.0399	.0031	-.0020	-.0001	-.0002	-.0009	.0006
#2	.0030	-.0110	.0051	-.0034	-.0015	-.0002	.0003	.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: 6/3/2014 20:22:14 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0022**	**.0001**	**-.0010**	**.0006**	**.0003**
Stddev	.0000	.0003	.0003	.0000	.0002	.0003	.0000
%RSD	76.30	85.74	11.34	27.64	22.06	42.05	2.661
#1	.0001	.0006	.0020	.0001	-.0011	.0008	.0003
#2	.0000	.0001	.0024	.0001	-.0008	.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**159930.**	**30576.**	**2132.1**	**5741.2**
Stddev	260.	54.	17.6	48.4
%RSD	.16272	.17682	.82742	.84228
#1	159750.	30614.	2119.6	5707.0
#2	160120.	30537.	2144.5	5775.4

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/3/2014 20:28:19 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0042**	**.0010**	**.0011**	**.0032**	**.0013**	**-.0062**	**.0021**	**.0049**	**.0009**
Stddev	.0001	.0000	.0002	.0000	.0010	.0117	.0018	.0002	.0003
%RSD	1.547	1.939	17.17	1.314	74.45	187.8	85.13	3.323	32.98
#1	.0042	.0011	.0012	.0032	.0006	-.0145	.0008	.0048	.0007
#2	.0043	.0010	.0010	.0033	.0020	.0020	.0034	.0050	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0128**	**.0033**	**.0029**	**.0032**	**.0031**	**.0039**	**.1038**	**1.049**
Stddev	.0007	.0000	.0005	.0009	.0012	.0015	.0003	.0050	.006
%RSD	42.21	.3147	14.32	29.54	35.97	49.06	8.849	4.776	.5611
#1	.0012	.0128	.0037	.0023	.0041	.0042	.0041	.1073	1.054
#2	.0022	.0127	.0030	.0035	.0024	.0020	.0036	.1003	1.045

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0003**	**.1029**	**2.034**	**1.036**	**.0080**	**-.0002**	**.0006**	**.0005**	**.0002**
Stddev	.0010	.0055	.008	.006	.0000	.0001	.0006	.0004	.0006
%RSD	313.7	5.304	.4055	.6220	.3019	28.43	97.18	69.91	362.7
#1	-.0010	.0990	2.028	1.040	.0080	-.0002	.0010	.0008	.0006
#2	.0004	.1067	2.040	1.031	.0080	-.0002	.0002	.0003	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0007**	**-.0012**	**.0000**	**-.0002**	**.0004**	**-.0007**
Stddev	.0001	.0006	.0002	.0002	.0001	.0003	.0006
%RSD	263.9	83.45	14.47	643.0	56.52	59.32	91.63
#1	.0001	.0012	-.0013	.0002	-.0001	.0003	-.0002
#2	.0000	.0003	-.0011	-.0001	-.0003	.0006	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**30469.**	**2128.4**	**5731.7**
Stddev	-----	163.	3.7	7.8
%RSD	-----	.53592	.17612	.13628
#1	-----	30353.	2131.1	5737.2
#2	158710.	30584.	2125.8	5726.1

Zoom In Zoom Out

Sample Name: mp79767-mb1conf Acquired: 6/3/2014 20:34:22 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0000**	**.0000**	**-.0003**	**.0002**	**.0000**	**.0000**	**.0000**	**.0000**
Stddev	.0002	.000	.0001	.0001	.0000	.001	.0000	.0001	.000
%RSD	83.36	13140.	379.6	31.84	18.38	1335.	110.1	425.5	283.0
#1	.0004	.0000	-.0001	-.0002	.0001	.0003	.0000	-.0001	.0000
#2	.0001	.0000	.0001	-.0004	.0002	-.0004	.0000	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0009**	**-.0012**	**-.0007**	**.0004**	**.0000**	**.0008**	**-.0008**	**.0054**
Stddev	.0001	.0000	.0005	.0005	.0012	.0005	.0004	.0001	.0003
%RSD	59.38	.4228	45.07	77.50	285.6	2210.	52.70	16.76	4.685
#1	.0001	.0009	-.0016	-.0003	-.0004	-.0003	.0011	-.0007	.0056
#2	.0003	.0009	-.0008	-.0010	.0013	.0004	.0005	-.0009	.0052

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0037**	**.0053**	**-.0341**	**.0099**	**.0003**	**.0000**	**.0003**	**.0143**	**.0006**
Stddev	.0007	.0136	.0084	.0046	.0000	.000	.0002	.0001	.0001
%RSD	19.60	258.3	24.58	46.80	.8418	23.53	75.89	.4396	19.85
#1	.0042	-.0043	-.0401	.0131	.0003	.0000	.0005	.0143	.0005
#2	.0032	.0149	-.0282	.0066	.0003	.0000	.0001	.0142	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0005**	**-.0010**	**.0000**	**.0038**	**-.0005**	**.0002**
Stddev	.0000	.0002	.0006	.000	.0001	.0005	.0004
%RSD	93.69	33.03	59.19	373.4	3.843	85.86	252.2
#1	.0000	.0006	-.0006	-.0001	.0037	-.0002	-.0001
#2	.0000	.0004	-.0015	.0001	.0039	-.0009	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163120.**	**29766.**	**2123.7**	**5752.8**
Stddev	5481.	1003.	14.5	31.9
%RSD	3.3603	3.3681	.68217	.55451
#1	159250.	29057.	2113.4	5730.2
#2	167000.	30475.	2133.9	5775.4

Zoom In Zoom Out

Sample Name: jb67498-4 2 Acquired: 6/3/2014 20:40:25 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 20.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0182**	**.0370**	**.0014**	**.4086**	**.0704**	**.0483**	**2.882**	**.1575**
Stddev	.0007	.0001	.0004	.0034	.0035	.0136	.124	.0001
%RSD	4.054	.1627	30.63	.8283	5.041	28.27	4.291	.0556
#1	.0177	.0370	.0018	.4062	.0729	.0579	2.970	.1574
#2	.0187	.0371	.0011	.4110	.0679	.0386	2.795	.1575

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0009**	**.0057**	**1.638**	**.0644**	F **-.0532**	**.0372**	**-.0143**	**.0172**
Stddev	.0035	.0026	.002	.0196	.0085	.0052	.0408	.0006
%RSD	407.0	45.43	.1179	30.35	16.03	14.04	284.8	3.565
#1	.0016	.0076	1.636	.0783	-.0592	.0409	-.0432	.0168
#2	-.0033	.0039	1.639	.0506	-.0471	.0335	.0145	.0177

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**81.78**	**45.19**	**24.75**	**23.40**	**8.845**	**1012.**	**-.0212**	**-.0057**
Stddev	.54	.01	.04	.17	.127	1.	.0137	.0022
%RSD	.6564	.0300	.1418	.7158	1.433	.1248	64.68	38.47
#1	81.40	45.18	24.77	23.52	8.935	1011.	-.0115	-.0042
#2	82.16	45.20	24.73	23.28	8.755	1013.	-.0308	-.0073

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0132**	**36.39**	**-.0044**	**.4175**	**.0117**	**-.0373**	**-.0397**	**1169.**
Stddev	.0055	.15	.0051	.0023	.0034	.0051	.0021	2.
%RSD	41.55	.4209	116.1	.5453	29.23	13.61	5.292	.1696
#1	.0170	36.29	-.0079	.4159	.0093	-.0409	-.0382	1168.
#2	.0093	36.50	-.0008	.4192	.0141	-.0337	-.0411	1171.

Elem	Bi2230	Li6707
Avg	**.0043**	**.0366**
Stddev	.0163	.0013
%RSD	379.7	3.630
#1	.0158	.0375
#2	-.0072	.0357

Zoom In Zoom Out

Sample Name: jb67498-4 2 Acquired: 6/3/2014 20:40:25 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 20.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163580.**	**31048.**	**2138.7**	**5662.3**
Stddev	5602.	48.	8.3	15.5
%RSD	3.4249	.15602	.38816	.27374
#1	159620.	31083.	2144.5	5673.3
#2	167540.	31014.	2132.8	5651.4

Zoom In Zoom Out

Sample Name: mp79805-mb1 1 Acquired: 6/3/2014 20:46:24 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa tl

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**.0001**	**.0000**	**-.0006**	**.0000**	**.0003**	**.0000**
Stddev	.0000	.000	.0000	.0001	.000	.0000	.000	.0001	.0001
%RSD	11.06	1039.	27.61	225.1	348.9	1.167	108.0	43.08	5830.
#1	.0001	.0000	-.0001	.0000	.0000	-.0006	.0000	.0004	.0000
#2	.0001	.0000	-.0002	.0002	-.0001	-.0005	.0000	.0002	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0000**	**.0000**	**-.0009**	**.0016**	**-.0005**	**.0009**	**-.0056**	**-.0018**
Stddev	.0000	.000	.0003	.0015	.0006	.0009	.0008	.0008	.0011
%RSD	10.28	316.1	3839.	160.7	39.98	184.1	93.60	13.94	63.33
#1	.0001	.0001	.0002	.0001	.0020	-.0011	.0003	-.0061	-.0010
#2	.0001	-.0002	-.0002	-.0020	.0011	.0001	.0015	-.0050	-.0025

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0008**	**-.0009**	**-.0192**	**.0028**	**-.0029**	**-.0002**	**.0006**	**.0087**	**-.0004**
Stddev	.0005	.0094	.0296	.0008	.0002	.0000	.0005	.0004	.0004
%RSD	65.84	1087.	154.1	27.93	8.606	5.644	78.45	5.151	117.0
#1	.0004	.0058	-.0402	.0023	-.0027	-.0002	.0009	.0084	-.0007
#2	.0011	-.0075	.0017	.0034	-.0031	-.0002	.0003	.0090	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0018**	**-.0003**	**.0002**	**-.0005**	**.0006**
Stddev	.000	.0001	.0004	.0001	.0024	.0003	.0005
%RSD	165.0	91.33	21.43	50.00	1130.	58.22	84.90
#1	.0000	.0000	-.0021	-.0004	.0019	-.0003	.0009
#2	.0000	.0002	-.0015	-.0002	-.0015	-.0008	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**163760.**	**30543.**	**2118.6**	**5684.1**
Stddev	1277.	667.	28.0	65.8
%RSD	.77959	2.1847	1.3239	1.1575
#1	164660.	30071.	2138.4	5730.7
#2	162860.	31015.	2098.8	5637.6

Zoom In Zoom Out

Sample Name: mp79805-mb2 Acquired: 6/3/2014 20:52:29 Type: Unk
Method: Accutest1(v112) Mode: CONC 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**	**-.0001**	**.0000**	**.0003**	**.0002**
Stddev	.0001	.0000	.0000	.0001	.0002	.0003	.000	.0001	.0000
%RSD	44.05	22.61	15.24	83.23	367.8	340.9	52.97	18.58	16.91
#1	.0002	.0000	.0000	.0001	.0002	.0001	.0000	.0003	.0002
#2	.0001	.0000	.0000	.0000	-.0001	-.0003	.0000	.0004	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0001**	**-.0001**	**-.0007**	**.0004**	**-.0007**	**.0005**	**-.0031**	**-.0026**
Stddev	.000	.0001	.0002	.0017	.0010	.0016	.0001	.0022	.0017
%RSD	2085.	48.41	352.9	244.1	224.1	239.6	11.53	69.96	64.37
#1	.0001	-.0001	.0001	-.0019	-.0003	.0005	.0006	-.0016	-.0037
#2	-.0001	-.0001	-.0002	.0005	.0011	-.0018	.0005	-.0047	-.0014

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0005**	**.0013**	**-.0005**	**-.0030**	**-.0026**	**-.0001**	**.0000**	**.0011**	**.0002**
Stddev	.0016	.0032	.0279	.0016	.0001	.0001	.0010	.0001	.0005
%RSD	304.9	254.4	5629.	53.68	5.453	100.1	2728.	12.56	289.9
#1	.0016	.0035	-.0202	-.0042	-.0027	-.0002	.0008	.0012	-.0002
#2	-.0006	-.0010	.0192	-.0019	-.0025	.0000	-.0007	.0010	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0025**	**-.0001**	**.0002**	**.0000**	**.0001**
Stddev	.0000	.0000	.0008	.0001	.0031	.000	.0001
%RSD	790.0	8.688	30.05	125.6	1348.	4.786	49.60
#1	.0000	.0004	-.0020	.0000	-.0020	.0000	.0001
#2	.0000	.0003	-.0031	-.0002	.0024	.0000	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159010.**	**30560.**	**2139.7**	**5752.2**
Stddev	109.	152.	8.2	14.6
%RSD	.06865	.49856	.38535	.25428
#1	159080.	30668.	2145.5	5762.6
#2	158930.	30452.	2133.8	5741.9

Zoom In Zoom Out

Sample Name: mp79805-lc1 Acquired: 6/3/2014 20:58:34 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: check se

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4930**	**.4996**	**.5131**	**.4999**	**.5332**	**.4766**	**.5440**	**.5215**	**.2025**
Stddev	.0025	.0018	.0083	.0057	.0074	.0085	.0088	.0067	.0038
%RSD	.4975	.3675	1.610	1.148	1.396	1.778	1.609	1.284	1.882
#1	.4948	.5009	.5190	.5040	.5279	.4706	.5378	.5262	.1998
#2	.4913	.4983	.5073	.4959	.5385	.4826	.5502	.5167	.2052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5096**	**.5620**	**.5196**	**.5369**	**.5764**	**.5182**	**.5038**	**4.990**	**5.553**
Stddev	.0094	.0057	.0072	.0044	.0098	.0049	.0115	.018	.023
%RSD	1.851	1.020	1.378	.8244	1.704	.9446	2.276	.3625	.4080
#1	.5029	.5661	.5247	.5400	.5833	.5217	.5119	5.003	5.569
#2	.5163	.5580	.5146	.5338	.5695	.5148	.4957	4.977	5.537

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.652**	**5.423**	**9.930**	**10.04**	**.0021**	**.4934**	**.0007**	**-.0050**	**-.0002**
Stddev	.029	.016	.039	.04	.0002	.0067	.0001	.0009	.0006
%RSD	.5072	.2873	.3944	.3535	10.44	1.358	18.02	18.00	334.8
#1	5.672	5.434	9.958	10.07	.0022	.4981	.0008	-.0044	.0002
#2	5.632	5.412	9.902	10.02	.0019	.4886	.0006	-.0056	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5228**	**.0009**	**-.0002**	**.0008**	**-.0040**	**-.0004**
Stddev	.0001	.0092	.0002	.0002	.0031	.0002	.0003
%RSD	31.55	1.763	25.16	99.39	383.9	4.089	75.12
#1	-.0002	.5163	.0007	-.0003	-.0014	-.0039	-.0002
#2	-.0003	.5293	.0010	.0000	.0030	-.0041	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**155240.**	**30533.**	**2116.7**	**5724.3**
Stddev	2752.	106.	33.3	75.2
%RSD	1.7726	.34699	1.5718	1.3134
#1	157180.	30458.	2093.2	5671.2
#2	153290.	30608.	2140.2	5777.5

Zoom In Zoom Out

Sample Name: mp79805-lc2 Acquired: 6/3/2014 21:04:28 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: check se

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4868**	**.4930**	**.5091**	**.4950**	**.5096**	**.4562**	**.5202**	**.5170**	**.1944**
Stddev	.0015	.0020	.0005	.0003	.0066	.0046	.0060	.0012	.0008
%RSD	.3085	.4034	.0957	.0672	1.302	1.018	1.147	.2243	.3931
#1	.4857	.4944	.5088	.4947	.5049	.4529	.5160	.5162	.1939
#2	.4878	.4916	.5095	.4952	.5143	.4595	.5244	.5178	.1950

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4880**	**.5562**	**.5183**	**.5311**	**.5700**	**.5218**	**.5007**	**4.911**	**5.459**
Stddev	.0055	.0006	.0009	.0018	.0011	.0021	.0003	.013	.034
%RSD	1.133	.1052	.1830	.3306	.1896	.3985	.0679	.2553	.6174
#1	.4841	.5567	.5177	.5299	.5692	.5232	.5005	4.919	5.483
#2	.4919	.5558	.5190	.5323	.5708	.5203	.5009	4.902	5.435

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.567**	**5.367**	**9.797**	**9.911**	**.0018**	**.4910**	**.0013**	**.0043**	**-.0005**
Stddev	.021	.059	.010	.017	.0004	.0009	.0005	.0007	.0004
%RSD	.3840	1.093	.1061	.1750	19.80	.1880	37.89	16.22	95.38
#1	5.583	5.409	9.789	9.923	.0020	.4904	.0010	.0038	-.0008
#2	5.552	5.326	9.804	9.899	.0015	.4917	.0017	.0048	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4991**	**.0012**	**.0000**	**.0004**	**-.0053**	**.0001**
Stddev	.0000	.0060	.0005	.0001	.0009	.0002	.0005
%RSD	15.32	1.201	45.11	1122.	216.7	3.191	454.5
#1	-.0002	.4949	.0008	.0001	-.0002	-.0054	-.0002
#2	-.0002	.5033	.0015	-.0001	.0011	-.0052	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160620.**	**30908.**	**2114.4**	**5727.3**
Stddev	1836.	119.	5.7	12.8
%RSD	1.1431	.38564	.27069	.22435
#1	161920.	30824.	2118.4	5736.4
#2	159320.	30992.	2110.3	5718.2

Zoom In Zoom Out

Sample Name: mp79805-s1 Acquired: 6/3/2014 21:10:21 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.916**	**.0489**	**.0575**	**.5545**	**.2212**	**.2614**	**.8101**	**.5735**	**.0549**
Stddev	.310	.0076	.0074	.0028	.0009	.0002	.0013	.0017	.0006
%RSD	16.17	15.47	12.86	.5062	.4030	.0860	.1594	.3041	1.112
#1	1.697	.0435	.0627	.5525	.2218	.2612	.8110	.5723	.0545
#2	2.135	.0542	.0523	.5564	.2206	.2615	.8092	.5747	.0553

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5352**	**.6062**	**2.351**	**2.262**	**.6215**	**2.507**	**.5586**	**2.326**	**209.5**
Stddev	.0007	.0002	.014	.014	.0019	.007	.0037	.420	36.1
%RSD	.1395	.0249	.6067	.6041	.3051	.2847	.6646	18.06	17.25
#1	.5347	.6063	2.340	2.252	.6201	2.502	.5560	2.029	183.9
#2	.5357	.6060	2.361	2.271	.6228	2.512	.5612	2.623	235.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.016**	**40.57**	**45.85**	**104.9**	**.3130**	**.0004**	**-.0015**	**.7887**	**-.0025**
Stddev	.173	6.48	7.48	18.4	.0008	.0005	.0081	.0099	.0016
%RSD	17.04	15.97	16.32	17.51	.2597	137.0	541.8	1.261	62.23
#1	.8932	35.99	40.56	91.87	.3125	.0007	-.0072	.7957	-.0014
#2	1.138	45.15	51.14	117.8	.3136	.0000	.0042	.7817	-.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2786**	**.0023**	**.0017**	**-.0065**	F **272.8**	**-.0002**	**.1201**
Stddev	.0377	.0007	.0024	.0086	1.0	.0008	.0195
%RSD	13.54	32.12	143.9	131.2	.3507	538.1	16.22
#1	.2519	.0029	.0034	-.0005	272.2	-.0007	.1064
#2	.3053	.0018	.0000	-.0126	273.5	.0004	.1339

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**149050.**	*****	**1950.8**	**5167.3**
Stddev	57.	-----	12.2	31.7
%RSD	.03799	-----	.62415	.61290
#1	149010.	-----	1959.4	5189.7
#2	149090.	29758.	1942.2	5144.9

Zoom In Zoom Out

Sample Name: mp79805-s2 Acquired: 6/3/2014 21:16:24 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.271**	**.0573**	**.0532**	**.5627**	**.2390**	**.2857**	**.8771**	**.5811**
Stddev	.132	.0034	.0008	.0084	.0118	.0164	.0418	.0085
%RSD	5.807	5.997	1.459	1.500	4.931	5.744	4.761	1.468
#1	2.364	.0597	.0526	.5567	.2474	.2973	.9067	.5751
#2	2.178	.0549	.0537	.5687	.2307	.2740	.8476	.5871

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0601**	**.5801**	**.6099**	**2.394**	**2.292**	**.6324**	**2.513**	**.5705**
Stddev	.0029	.0279	.0114	.035	.026	.0081	.032	.0083
%RSD	4.746	4.805	1.868	1.485	1.117	1.289	1.265	1.458
#1	.0621	.5998	.6018	2.369	2.274	.6266	2.490	.5646
#2	.0581	.5604	.6179	2.419	2.310	.6381	2.535	.5764

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.724**	**249.4**	**1.199**	**47.94**	**54.36**	**125.5**	**.3263**	**-.0002**
Stddev	.158	11.5	.070	2.90	2.96	6.6	.0049	.0000
%RSD	5.800	4.601	5.857	6.046	5.444	5.247	1.493	1.229
#1	2.836	257.5	1.248	49.99	56.46	130.1	.3229	-.0002
#2	2.612	241.2	1.149	45.89	52.27	120.8	.3298	-.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0048**	**.8186**	**-.0021**	**.3305**	**.0019**	**.0010**	F **-.0130**	F **284.4**
Stddev	.0008	.0114	.0002	.0189	.0001	.0002	.0002	4.0
%RSD	17.16	1.392	10.27	5.705	3.269	23.86	1.511	1.396
#1	.0053	.8105	-.0019	.3438	.0020	.0008	-.0128	281.6
#2	.0042	.8266	-.0022	.3171	.0019	.0011	-.0131	287.2

Elem	Bi2230	Li6707
Avg	**-.0003**	**.1455**
Stddev	.0008	.0087
%RSD	239.9	5.948
#1	.0002	.1516
#2	-.0008	.1394

Zoom In Zoom Out

Sample Name: mp79805-s2 Acquired: 6/3/2014 21:16:24 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**140510.**	**28736.**	**1936.8**	**5136.4**
Stddev	5817.	1440.	23.8	62.8
%RSD	4.1398	5.0104	1.2298	1.2232
#1	136390.	27718.	1953.7	5180.8
#2	144620.	29754.	1920.0	5092.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 21:22:27 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.062**	**2.068**	**2.082**	**2.072**	**1.999**	**2.130**	**2.101**	**.2460**
Stddev	.002	.003	.003	.001	.008	.002	.011	.005	.0009
%RSD	.1071	.1494	.1202	.0632	.3999	.1205	.4916	.2168	.3676
#1	2.024	2.064	2.066	2.081	2.066	2.001	2.123	2.098	.2454
#2	2.021	2.060	2.070	2.083	2.078	1.997	2.137	2.104	.2467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.119**	**2.049**	**2.119**	**2.097**	**2.009**	**2.050**	**39.59**	**39.91**
Stddev	.007	.001	.001	.001	.006	.007	.002	.02	.08
%RSD	.3333	.0636	.0391	.0363	.2918	.3523	.0769	.0608	.2014
#1	2.040	2.120	2.048	2.120	2.092	2.004	2.051	39.61	39.97
#2	2.049	2.118	2.049	2.119	2.101	2.014	2.049	39.57	39.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.10**	**39.45**	**39.45**	**39.84**	**2.045**	**2.083**	**1.987**	**5.074**	**2.092**
Stddev	.05	.10	.05	.01	.001	.001	.001	.002	.004
%RSD	.1212	.2492	.1302	.0232	.0610	.0262	.0445	.0474	.2036
#1	40.14	39.52	39.41	39.84	2.044	2.084	1.986	5.076	2.089
#2	40.07	39.38	39.49	39.83	2.046	2.083	1.987	5.072	2.095
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: 6/3/2014 21:22:27 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.055**	**2.022**	**1.993**	**1.985**	**2.028**	**1.983**
Stddev	.003	.006	.005	.008	.006	.002	.004
%RSD	.1209	.3120	.2299	.3827	.2933	.0770	.1847
#1	2.046	2.050	2.018	1.988	1.989	2.029	1.986
#2	2.050	2.060	2.025	1.999	1.981	2.027	1.981
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	**154040.**	**29826.**	**2044.9**	**5459.3**
Stddev	395.	39.	.5	3.3
%RSD	.25615	.12926	.02630	.06068
#1	154320.	29799.	2044.6	5461.6
#2	153770.	29853.	2045.3	5456.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 21:28:19 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0000**	**.0000**	**.0003**	**-.0003**	**.0001**	**.0008**	**.0002**
Stddev	.0001	.0000	.000	.0000	.0001	.0001	.0000	.0001	.0001
%RSD	47.25	29.94	388.8	103.8	24.33	39.82	52.78	6.337	31.94
#1	.0004	.0002	.0001	.0000	.0002	-.0002	.0001	.0008	.0002
#2	.0002	.0001	-.0001	.0001	.0004	-.0004	.0000	.0008	.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**	**.0008**	**.0007**	**-.0001**	**-.0002**	**.0002**	**.0014**	**.0048**	**.0072**
Stddev	.0000	.0001	.0003	.0007	.0008	.0002	.0001	.0038	.0010
%RSD	6.098	18.76	47.62	499.9	418.8	115.6	4.472	78.20	14.41
#1	.0003	.0007	.0004	-.0006	-.0007	.0004	.0014	.0022	.0079
#2	.0003	.0009	.0009	.0003	.0004	.0000	.0013	.0075	.0064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**.0124**	**.0060**	**.0120**	**-.0018**	**.0000**	**.0000**	**.0001**	**.0005**
Stddev	.0010	.0060	.0114	.0039	.0001	.0000	.000	.0005	.0008
%RSD	29.15	48.43	189.2	32.94	7.366	11.22	630.6	971.9	158.5
#1	.0043	.0082	.0141	.0092	-.0017	.0000	.0001	.0004	.0011
#2	.0028	.0167	-.0020	.0148	-.0019	.0000	-.0001	-.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 21:28:19 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	**.0022**	**.0000**	**.0039**	**.0004**	**.0008**
Stddev	.0000	.0001	.0000	.0000	.0007	.0001	.0001
%RSD	8.329	26.29	2.078	32.76	18.98	13.40	16.39
#1	.0002	.0004	.0022	.0000	.0034	.0004	.0009
#2	.0002	.0006	.0021	.0000	.0045	.0004	.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	**160920.**	**30599.**	**2108.5**	**5667.0**
Stddev	413.	106.	46.1	121.7
%RSD	.25663	.34557	2.1861	2.1471
#1	161220.	30524.	2075.9	5581.0
#2	160630.	30674.	2141.1	5753.0

Zoom In Zoom Out

Sample Name: jb68057-3 Acquired: 6/3/2014 21:34:23 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0041**	**.0000**	**.0001**	**.0001**	**-.0001**	**.0017**	**.2540**	**.0043**
Stddev	.0007	.0000	.0004	.0000	.0003	.0000	.0002	.0009
%RSD	16.90	179.5	357.4	21.29	468.5	1.350	.0684	21.07
#1	.0036	.0001	-.0002	.0001	-.0003	.0017	.2539	.0036
#2	.0045	.0000	.0004	.0002	.0001	.0016	.2541	.0049

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0002**	**.0031**	**.0089**	F **-.0021**	**.0045**	**-.0045**	**-.0004**
Stddev	.0001	.0000	.0002	.0092	.0074	.0016	.0049	.0000
%RSD	58.33	16.45	5.431	103.0	350.3	34.98	108.5	4.549
#1	.0003	.0003	.0032	.0024	.0031	.0034	-.0079	-.0004
#2	.0001	.0002	.0030	.0154	-.0074	.0056	-.0010	-.0004

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.3481**	**199.3**	**.0051**	**17.18**	**22.60**	**85.76**	**.3194**	**-.0007**
Stddev	.0765	25.4	.0040	2.23	3.09	11.63	.0035	.0005
%RSD	21.98	12.73	77.80	12.97	13.65	13.56	1.099	70.36
#1	.2940	181.4	.0023	15.60	20.42	77.54	.3219	-.0004
#2	.4022	217.3	.0079	18.75	24.78	93.98	.3169	-.0011

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**.8018**	**-.0021**	**.2920**	**.0008**	**-.0019**	**-.0055**	F **280.1**
Stddev	.0053	.0190	.0004	.0331	.0010	.0006	.0078	2.0
%RSD	809.3	2.373	16.75	11.35	126.1	33.20	139.7	.7230
#1	-.0031	.8153	-.0019	.2686	.0015	-.0015	-.0001	281.5
#2	.0044	.7884	-.0024	.3154	.0001	-.0024	-.0110	278.6

Elem	Bi2230	Li6707
Avg	**.0019**	**.1257**
Stddev	.0011	.0177
%RSD	57.48	14.05
#1	.0026	.1132
#2	.0011	.1382

Zoom In Zoom Out

Sample Name: jb68057-3 Acquired: 6/3/2014 21:34:23 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**150510.**	*****	**1983.2**	**5242.9**
Stddev	460.	-----	15.5	38.6
%RSD	.30562	-----	.77950	.73597
#1	150840.	-----	1972.3	5215.6
#2	150190.	29970.	1994.1	5270.2

Zoom In Zoom Out

Sample Name: mp79805-sd1 Acquired: 6/3/2014 21:40:26 Type: Unk
Method: Accutest1(v112) 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	**.0058**	**.0000**	**.0005**	**-.0002**	**.0010**	**-.0011**	**.2522**	**.0049**	**.0008**
Stddev	.0006	.000	.0002	.0000	.0017	.0027	.0082	.0001	.0008
%RSD	10.11	2242.	42.14	8.693	164.9	240.1	3.234	1.150	109.5
#1	.0062	.0000	.0004	-.0003	-.0002	-.0030	.2464	.0050	.0014
#2	.0054	.0000	.0007	-.0002	.0022	.0008	.2580	.0049	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0079**	**.0154**	**-.0081**	**.0079**	**.0045**	**.0044**	**.5668**	**217.0**
Stddev	.0001	.0005	.0022	.0042	.0030	.0126	.0015	.0215	.4
%RSD	15.22	6.974	14.40	51.55	38.17	277.7	32.87	3.800	.1639
#1	.0004	.0082	.0169	-.0110	.0058	-.0044	.0034	.5516	216.8
#2	.0004	.0075	.0138	-.0051	.0101	.0134	.0054	.5821	217.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0017**	**18.27**	**23.42**	**89.71**	**.2871**	**-.0020**	**.0061**	**.7933**	**-.0012**
Stddev	.0011	.02	.17	.02	.0015	.0001	.0014	.0029	.0028
%RSD	64.19	.1225	.7359	.0169	.5223	6.570	22.35	.3676	238.2
#1	.0009	18.26	23.30	89.70	.2860	-.0019	.0071	.7954	-.0031
#2	.0024	18.29	23.54	89.72	.2882	-.0021	.0052	.7913	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3052**	**.0019**	**-.0084**	**-.0106**	**263.6**	**.0005**	**.1333**
Stddev	.0000	.0001	.0018	.0006	.8	.0014	.0001
%RSD	.0014	4.077	20.87	5.945	.3005	272.8	.0421
#1	.3052	.0018	-.0072	-.0102	263.0	.0015	.1333
#2	.3052	.0019	-.0096	-.0111	264.1	-.0005	.1332

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**158490.**	**30492.**	**2094.5**	**5620.9**
Stddev	4723.	60.	9.0	22.0
%RSD	2.9799	.19621	.42878	.39083
#1	161830.	30534.	2100.9	5636.4
#2	155150.	30449.	2088.2	5605.3

Zoom In Zoom Out

Sample Name: jb68093-1 Acquired: 6/3/2014 21:46:25 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0684**	**.0002**	**.0002**	**.0053**	**.0347**	**.0548**	**.1316**	**.0148**	**.0007**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0001	.0006	.0000
%RSD	.1171	4.829	56.37	2.082	.4480	.1834	.0536	4.230	6.411
#1	.0683	.0002	.0003	.0053	.0346	.0549	.1317	.0144	.0007
#2	.0684	.0002	.0001	.0052	.0348	.0547	.1316	.0153	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0272**	**.0449**	**.0083**	**.0009**	**.0304**	**-.0042**	**.0003**	**5.794**	**96.74**
Stddev	.0001	.0008	.0003	.0006	.0003	.0032	.0005	.008	.72
%RSD	.3420	1.718	3.992	70.30	1.144	76.51	158.1	.1324	.7448
#1	.0273	.0443	.0081	.0013	.0302	-.0065	.0006	5.799	97.25
#2	.0271	.0454	.0086	.0005	.0307	-.0019	.0000	5.789	96.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.079**	**1.331**	**48.58**	**278.2**	**.0349**	**.0101**	**.0011**	**10.93**	**.0023**
Stddev	.029	.022	.00	1.8	.0011	.0002	.0002	.23	.0006
%RSD	.4140	1.669	.0013	.6334	3.037	2.351	21.72	2.096	26.65
#1	7.100	1.347	48.58	279.5	.0342	.0099	.0013	10.77	.0018
#2	7.058	1.315	48.58	277.0	.0357	.0102	.0010	11.09	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.609**	**.1972**	**-.0003**	**-.0014**	**17.72**	**-.0014**	**.0096**
Stddev	.001	.0000	.0007	.0001	.39	.0005	.0005
%RSD	.0289	.0004	206.0	3.891	2.189	35.78	5.265
#1	1.608	.1972	.0002	-.0013	17.45	-.0010	.0092
#2	1.609	.1972	-.0009	-.0014	17.99	-.0018	.0100

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	151420.	29842.	1958.1	5083.5
Stddev	105.	62.	37.0	98.9
%RSD	.06904	.20696	1.8878	1.9457
#1	151490.	29799.	1984.2	5153.4
#2	151340.	29886.	1932.0	5013.5

Zoom In Zoom Out

Sample Name: mp79805-s1 Acquired: 6/3/2014 21:52:28 Type: Unk
Method: Accutest1(v112) 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	**2.037**	**.0531**	**.0470**	**.5286**	**.2195**	**.2432**	**.7960**	**.5519**	**.0519**
Stddev	.005	.0002	.0002	.0059	.0004	.0051	.0005	.0076	.0005
%RSD	.2286	.4500	.3333	1.125	.1996	2.094	.0593	1.382	.9182
#1	2.040	.0529	.0469	.5328	.2192	.2396	.7963	.5573	.0523
#2	2.034	.0533	.0471	.5244	.2198	.2468	.7956	.5465	.0516

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5251**	**.6078**	**2.131**	**2.113**	**.5924**	**2.067**	**.5128**	**2.690**	**233.4**
Stddev	.0009	.0064	.037	.046	.0074	.048	.0093	.017	.3
%RSD	.1715	1.060	1.731	2.180	1.247	2.326	1.807	.6447	.1091
#1	.5245	.6124	2.157	2.145	.5976	2.101	.5193	2.702	233.6
#2	.5258	.6033	2.105	2.080	.5871	2.033	.5062	2.678	233.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.111**	**43.31**	**47.88**	**111.7**	**.2709**	**-.0009**	**.0056**	**.7418**	**-.0023**
Stddev	.001	.00	.17	.2	.0036	.0005	.0008	.0152	.0004
%RSD	.0654	.0079	.3628	.2034	1.320	61.23	13.88	2.051	19.10
#1	1.110	43.31	48.00	111.9	.2734	-.0005	.0051	.7526	-.0020
#2	1.111	43.31	47.76	111.6	.2684	-.0013	.0062	.7310	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2939**	**.0033**	**-.0054**	**-.0113**	**247.8**	**.0006**	**.1294**
Stddev	.0009	.0005	.0050	.0010	4.3	.0050	.0029
%RSD	.3180	16.37	92.48	8.594	1.732	806.4	2.222
#1	.2945	.0030	-.0019	-.0120	250.9	.0041	.1274
#2	.2932	.0037	-.0089	-.0106	244.8	-.0029	.1315

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	159860.	30510.	2124.6	5698.0
Stddev	2107.	16.	26.2	61.9
%RSD	1.3178	.05092	1.2348	1.0866
#1	161350.	30499.	2106.0	5654.2
#2	158370.	30521.	2143.1	5741.7

Zoom In Zoom Out

Sample Name: mp79805-s2 Acquired: 6/3/2014 21:58:25 Type: Unk
Method: Accutest1(v112) 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	**2.182**	**.0574**	**.0571**	**.5367**	**.2766**	**.3320**	**1.018**	**.5592**	**.0646**
Stddev	.065	.0017	.0011	.0131	.0812	.1281	.300	.0176	.0187
%RSD	2.977	2.984	1.951	2.443	29.35	38.58	29.50	3.144	28.98
#1	2.136	.0562	.0563	.5275	.3340	.4225	1.231	.5468	.0779
#2	2.228	.0586	.0579	.5460	.2192	.2414	.8059	.5717	.0514

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6653**	**.6171**	**2.158**	**2.174**	**.6007**	**2.088**	**.5200**	**2.809**	**257.1**
Stddev	.1951	.0149	.061	.054	.0136	.057	.0099	.125	7.5
%RSD	29.32	2.417	2.841	2.496	2.264	2.746	1.897	4.442	2.923
#1	.8033	.6066	2.115	2.136	.5911	2.048	.5130	2.721	251.8
#2	.5274	.6277	2.201	2.212	.6103	2.129	.5269	2.898	262.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.190**	**47.08**	**52.12**	**122.2**	**.2855**	**.0002**	**-.0085**	**.8389**	**-.0035**
Stddev	.030	1.29	1.72	3.8	.0093	.0006	.0067	.0260	.0027
%RSD	2.543	2.748	3.300	3.140	3.258	243.4	79.05	3.099	78.03
#1	1.168	46.17	50.90	119.5	.2790	-.0002	-.0132	.8205	-.0054
#2	1.211	48.00	53.33	124.9	.2921	.0007	-.0037	.8573	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3350**	**.0026**	**-.0067**	**-.0002**	**257.7**	**-.0011**	**.1390**
Stddev	.0103	.0011	.0043	.0006	7.0	.0005	.0074
%RSD	3.083	42.10	63.87	297.8	2.726	42.80	5.323
#1	.3277	.0018	-.0037	-.0006	252.8	-.0015	.1337
#2	.3423	.0033	-.0097	.0002	262.7	-.0008	.1442

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	*****	2103.7	5653.2
Stddev	-----	-----	46.7	122.5
%RSD	-----	-----	2.2197	2.1668
#1	-----	29304.	2136.7	5739.8
#2	158690.	-----	2070.6	5566.6

Zoom In Zoom Out

Sample Name: jb68057-3 Acquired: 6/3/2014 22:04:19 Type: Unk
Method: Accutest1(v112) 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	**.0050**	**-.0002**	**.0000**	**-.0006**	**.0013**	**.0016**	**.2547**	**.0041**	**.0005**
Stddev	.0011	.0000	.000	.0012	.0002	.0008	.0000	.0017	.0017
%RSD	22.62	3.070	80.43	211.6	13.64	50.82	.0173	41.13	322.6
#1	.0042	-.0002	-.0001	.0003	.0015	.0022	.2547	.0053	-.0007
#2	.0057	-.0002	.0000	-.0014	.0012	.0010	.2546	.0029	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0264**	**.0161**	**-.0072**	**.0085**	**.0003**	**-.0006**	**.5956**	**216.2**
Stddev	.0002	.0001	.0015	.0046	.0017	.0048	.0015	.0026	5.7
%RSD	33.39	.2896	9.390	63.83	19.69	1710.	245.6	.4388	2.626
#1	.0009	.0264	.0151	-.0040	.0097	-.0031	.0004	.5937	212.2
#2	.0006	.0263	.0172	-.0105	.0073	.0036	-.0017	.5974	220.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0066**	**18.20**	**23.32**	**88.99**	**.2832**	**-.0012**	**.0059**	**.8466**	**-.0031**
Stddev	.0068	.45	.42	2.10	.0041	.0001	.0010	.0083	.0011
%RSD	103.4	2.497	1.821	2.362	1.441	6.114	16.96	.9849	36.80
#1	.0018	17.88	23.02	87.50	.2861	-.0012	.0052	.8525	-.0023
#2	.0114	18.52	23.62	90.47	.2803	-.0013	.0066	.8407	-.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3040**	**.0018**	**-.0139**	**-.0100**	**257.9**	**.0009**	**.1288**
Stddev	.0075	.0001	.0008	.0006	2.9	.0050	.0016
%RSD	2.470	6.370	5.970	5.855	1.120	580.9	1.213
#1	.2987	.0017	-.0145	-.0104	259.9	-.0027	.1277
#2	.3093	.0018	-.0133	-.0095	255.8	.0044	.1299

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	157000.	30653.	2110.3	5667.3
Stddev	271.	680.	17.2	39.3
%RSD	.17274	2.2188	.81597	.69373
#1	156800.	31134.	2098.1	5639.5
#2	157190.	30172.	2122.5	5695.1

Zoom In Zoom Out

Sample Name: mp79805-sd1 Acquired: 6/3/2014 22:10:20 Type: Unk
Method: Accutest1(v112) 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	**.0112**	**-.0004**	**-.0047**	**-.0059**	**.0012**	**-.0092**	**.2521**	**.0082**	**.0009**
Stddev	.0002	.0006	.0032	.0077	.0031	.0038	.0047	.0007	.0088
%RSD	2.114	157.9	67.28	131.3	252.7	40.82	1.874	8.350	1016.
#1	.0110	.0000	-.0069	-.0004	-.0010	-.0066	.2555	.0077	.0071
#2	.0114	-.0008	-.0025	-.0114	.0034	-.0119	.2488	.0087	-.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0035**	**.1678**	**.0105**	**-.0222**	**.0159**	**-.0492**	**.0283**	**.6035**	**214.2**
Stddev	.0046	.0015	.0211	.0150	.0055	.0363	.0034	.1137	1.0
%RSD	130.5	.8812	200.6	67.67	34.68	73.77	12.05	18.84	.4871
#1	.0003	.1668	-.0044	-.0116	.0120	-.0235	.0259	.5231	214.9
#2	.0067	.1689	.0255	-.0328	.0198	-.0749	.0307	.6839	213.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0817**	**18.03**	**23.01**	**87.16**	**.2318**	**-.0011**	**.0096**	**1.193**	**.0024**
Stddev	.0565	.08	.12	.12	.0129	.0018	.0180	.020	.0108
%RSD	69.14	.4225	.5030	.1362	5.586	165.8	188.9	1.686	455.8
#1	.0417	18.08	22.93	87.08	.2410	.0002	.0223	1.208	.0100
#2	.1216	17.97	23.09	87.24	.2227	-.0024	-.0032	1.179	-.0053

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3022**	**.0094**	**-.0663**	**-.0106**	**253.7**	**.0052**	**.1231**
Stddev	.0023	.0110	.0111	.0011	1.0	.0047	.0076
%RSD	.7710	116.3	16.70	9.932	.3859	90.55	6.171
#1	.3006	.0017	-.0585	-.0099	254.4	.0019	.1178
#2	.3039	.0172	-.0742	-.0114	253.1	.0086	.1285

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164370.**	**31410.**	**2144.7**	**5779.3**
Stddev	1982.	24.	1.8	14.1
%RSD	1.2061	.07670	.08552	.24315
#1	162960.	31393.	2143.4	5769.4
#2	165770.	31427.	2146.0	5789.2

Zoom In Zoom Out

Sample Name: mp79776-mb1conf Acquired: 6/3/2014 22:16:21 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0037**	**.0001**	**.0000**	**.0001**	**.0005**	**.0019**	**.0034**	**.0015**	**-.0002**
Stddev	.0002	.0000	.0000	.0000	.0003	.0009	.0002	.0001	.0002
%RSD	4.408	18.69	282.5	19.25	63.83	49.42	6.568	7.350	78.98
#1	.0036	.0001	.0000	.0001	.0003	.0012	.0032	.0016	-.0003
#2	.0039	.0001	.0000	.0001	.0008	.0026	.0035	.0015	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0054**	**-.0005**	**-.0010**	**.0123**	**.0030**	**.0019**	**.0153**	**.1607**
Stddev	.000	.0000	.0002	.0017	.0010	.0006	.0008	.0034	.0047
%RSD	699.9	.5911	36.77	175.0	8.418	21.03	40.49	22.18	2.910
#1	-.0001	.0054	-.0004	.0002	.0115	.0034	.0013	.0129	.1574
#2	.0001	.0054	-.0006	-.0021	.0130	.0025	.0024	.0177	.1640

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1841**	**.0269**	**.0059**	**.0872**	**-.0016**	**.0001**	**.0003**	**.2094**	**-.0001**
Stddev	.0059	.0027	.0003	.0038	.0001	.0002	.0003	.0013	.0001
%RSD	3.188	10.08	5.055	4.409	8.494	388.8	127.4	.6242	199.4
#1	.1800	.0250	.0062	.0845	-.0015	-.0001	.0005	.2104	-.0002
#2	.1883	.0288	.0057	.0899	-.0017	.0002	.0000	.2085	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0075**	**.0004**	**-.0020**	**-.0001**	**.8464**	**-.0004**	**.0000**
Stddev	.0003	.0003	.0006	.0001	.0073	.0002	.0007
%RSD	3.906	89.61	28.39	49.68	.8610	56.29	1710.
#1	.0073	.0006	-.0016	-.0002	.8515	-.0002	.0005
#2	.0077	.0001	-.0024	-.0001	.8412	-.0006	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159780.**	**30000.**	**2154.4**	**5809.2**
Stddev	7604.	1017.	14.4	31.2
%RSD	4.7590	3.3899	.66759	.53662
#1	165160.	30720.	2144.2	5787.2
#2	154410.	29281.	2164.5	5831.3

Zoom In Zoom Out

Sample Name: jb67923-4a 3 Acquired: 6/3/2014 22:22:23 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0326**	**.0004**	**.0009**	**.0102**	**.4363**	**.0713**	**2.300**	**.2316**
Stddev	.0001	.0000	.0000	.0000	.0003	.0001	.009	.0003
%RSD	.3375	4.063	1.572	.4893	.0646	.1684	.3816	.1472
#1	.0325	.0004	.0009	.0102	.4361	.0714	2.294	.2319
#2	.0327	.0003	.0009	.0102	.4365	.0713	2.306	.2314

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0056**	**.0323**	**3.259**	**.0291**	F **-.0220**	**.7222**	**.0131**	**.0105**
Stddev	.0009	.0000	.000	.0006	.0001	.0022	.0001	.0001
%RSD	16.21	.1007	.0079	1.936	.6207	.2981	.8492	1.123
#1	.0049	.0323	3.260	.0295	-.0219	.7207	.0132	.0106
#2	.0062	.0323	3.259	.0287	-.0221	.7237	.0131	.0104

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**4.971**	**3.759**	**219.0**	**1.062**	**2.867**	**63.76**	**.0744**	**.0096**
Stddev	.035	.029	1.8	.003	.005	.43	.0003	.0000
%RSD	.7105	.7779	.8364	.2854	.1641	.6803	.4000	.2681
#1	4.946	3.738	217.7	1.060	2.864	63.45	.0746	.0096
#2	4.996	3.780	220.3	1.064	2.870	64.06	.0741	.0097

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0105**	**2.967**	**.0026**	**.0493**	**.2148**	**.0164**	**-.0095**	F **549.1**
Stddev	.0003	.014	.0003	.0004	.0011	.0009	.0001	.1
%RSD	2.460	.4591	12.93	.7131	.5110	5.653	.6287	.0250
#1	.0103	2.977	.0028	.0490	.2140	.0171	-.0096	549.0
#2	.0107	2.957	.0023	.0495	.2156	.0158	-.0095	549.2

Elem	Bi2230	Li6707
Avg	**.0177**	**.0111**
Stddev	.0006	.0002
%RSD	3.520	1.994
#1	.0182	.0109
#2	.0173	.0112

Zoom In Zoom Out

Sample Name: jb67923-4a 3 Acquired: 6/3/2014 22:22:23 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**156520.**	**29711.**	**2068.4**	**5708.7**
Stddev	54.	175.	8.6	6.0
%RSD	.03432	.58889	.41655	.10479
#1	156560.	29834.	2062.3	5704.4
#2	156480.	29587.	2074.5	5712.9

Sample Name: ccv Acquired: 6/3/2014 22:28:26 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.074**	**2.070**	**2.101**	**2.105**	**1.990**	**2.170**	**2.121**	**.2468**
Stddev	.005	.003	.008	.013	.002	.000	.001	.012	.0004
%RSD	.2508	.1611	.4051	.6265	.0942	.0120	.0379	.5769	.1794
#1	2.031	2.077	2.065	2.091	2.104	1.990	2.169	2.112	.2471
#2	2.024	2.072	2.076	2.110	2.107	1.990	2.170	2.130	.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	**2.064**	**2.146**	**2.053**	**2.106**	**2.116**	**1.996**	**2.046**	**39.99**	**40.51**
Stddev	.002	.016	.010	.000	.011	.001	.011	.16	.16
%RSD	.1139	.7278	.4946	.0139	.5029	.0298	.5292	.3969	.3988
#1	2.062	2.135	2.046	2.105	2.109	1.996	2.038	40.10	40.40
#2	2.065	2.157	2.060	2.106	2.124	1.995	2.053	39.87	40.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.57**	**40.02**	**39.82**	**40.06**	**2.041**	**2.081**	**1.983**	**5.069**	**2.096**
Stddev	.02	.12	.22	.19	.009	.012	.000	.020	.013
%RSD	.0580	.2978	.5499	.4675	.4509	.5959	.0151	.3840	.6215
#1	40.55	39.93	39.97	40.19	2.035	2.072	1.983	5.056	2.087
#2	40.58	40.10	39.66	39.92	2.048	2.090	1.983	5.083	2.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: ccv Acquired: 6/3/2014 22:28:26 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.063**	**2.088**	**2.026**	**2.016**	**1.988**	**2.015**	**1.982**
Stddev	.009	.001	.014	.001	.009	.009	.009
%RSD	.4218	.0473	.6729	.0578	.4600	.4594	.4623
#1	2.069	2.088	2.016	2.017	1.982	2.009	1.989
#2	2.057	2.087	2.035	2.015	1.995	2.022	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**153940.**	**29759.**	**2064.2**	**5483.7**
Stddev	164.	49.	4.7	12.8
%RSD	.10647	.16354	.22736	.23280
#1	154050.	29793.	2067.5	5492.7
#2	153820.	29724.	2060.9	5474.7

Sample Name: ccb Acquired: 6/3/2014 22:34:17 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0000**	**.0000**	**.0002**	**-.0013**	**.0001**	**.0004**
Stddev	.0001	.0000	.0000	.000	.0000	.0013	.0000	.0000
%RSD	30.68	48.72	103.7	160.8	5.275	100.0	15.70	8.813
#1	.0003	.0001	.0000	.0000	.0002	-.0004	.0001	.0004
#2	.0002	.0001	.0001	-.0001	.0002	-.0023	.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	**.0002**	**.0002**	**.0008**	**.0000**	**-.0005**	**-.0002**	**-.0004**	**.0010**
Stddev	.0005	.0003	.0000	.001	.0004	.0006	.0010	.0003
%RSD	314.8	168.7	3.604	6369.	82.22	262.7	240.3	29.03
#1	-.0002	.0000	.0008	.0005	-.0008	-.0006	.0003	.0008
#2	.0005	.0003	.0008	-.0005	-.0002	.0002	-.0012	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0039**	**.0031**	**.0021**	**-.0251**	**.0080**	**-.0024**	**.0003**
Stddev	.0015	.0016	.0014	.0026	.0042	.0037	.0000	.0000
%RSD	107.4	40.32	43.52	121.5	16.64	45.67	1.675	17.51
#1	-.0025	.0050	.0041	.0039	-.0222	.0054	-.0025	.0002
#2	-.0003	.0028	.0022	.0003	-.0281	.0106	-.0024	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ccb Acquired: 6/3/2014 22:34:17 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0014**	**.0009**	**.0001**	**.0005**	**.0020**	**.0001**	W **.0092**
Stddev	.0006	.0013	.0006	.0000	.0004	.0006	.0000	.0019
%RSD	368.5	93.98	62.60	34.53	72.69	27.84	29.31	20.25
#1	-.0006	.0023	.0005	.0001	.0002	.0024	.0001	.0078
#2	.0003	.0005	.0014	.0001	.0007	.0016	.0001	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0006**	**.0002**
Stddev	.0004	.0001
%RSD	59.82	32.61
#1	-.0008	.0003
#2	-.0003	.0002
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**168700.**	**30722.**	**2128.4**	**5704.9**
Stddev	14770.	131.	23.1	64.9
%RSD	8.7550	.42633	1.0839	1.1379
#1	158260.	30815.	2112.0	5659.0
#2	179150.	30629.	2144.7	5750.8

Zoom In Zoom Out

Sample Name: jb67923-5a Acquired: 6/3/2014 22:40:22 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0324**	**.0010**	**.0013**	**.0337**	**.8280**	**.0117**	**2.772**	**.4229**
Stddev	.0004	.0000	.0000	.0000	.0035	.0005	.008	.0006
%RSD	1.137	.0723	.7671	.0290	.4221	4.224	.3040	.1466
#1	.0321	.0010	.0012	.0337	.8255	.0120	2.766	.4224
#2	.0326	.0010	.0013	.0337	.8304	.0113	2.778	.4233

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0062**	**.0463**	**.5056**	**.0463**	F **-.0362**	**1.185**	**.0148**	**.0128**
Stddev	.0016	.0002	.0005	.0003	.0012	.001	.0009	.0001
%RSD	26.15	.5030	.0911	.7194	3.183	.0380	5.973	.6939
#1	.0074	.0461	.5060	.0461	-.0370	1.185	.0154	.0127
#2	.0051	.0465	.5053	.0465	-.0354	1.184	.0142	.0129

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**15.87**	**7.783**	**281.0**	**2.285**	**8.687**	**158.1**	**.0866**	**.0065**
Stddev	.03	.004	1.3	.007	.017	1.1	.0009	.0003
%RSD	.1816	.0527	.4565	.3102	.1942	.7161	1.063	5.095
#1	15.85	7.780	281.9	2.280	8.675	158.9	.0872	.0067
#2	15.89	7.786	280.1	2.290	8.699	157.3	.0859	.0062

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0181**	**2.843**	**.0008**	**.0919**	**.7716**	**.0159**	**-.0061**	F **960.9**
Stddev	.0006	.016	.0003	.0004	.0003	.0009	.0002	1.0
%RSD	3.533	.5705	41.71	.4537	.0448	5.602	2.470	.1028
#1	.0185	2.854	.0010	.0916	.7719	.0165	-.0060	961.6
#2	.0176	2.831	.0006	.0922	.7714	.0152	-.0062	960.2

Elem	Bi2230	Li6707
Avg	**.0179**	**.0306**
Stddev	.0011	.0001
%RSD	6.090	.4548
#1	.0187	.0307
#2	.0171	.0305

Zoom In Zoom Out

Sample Name: jb67923-5a Acquired: 6/3/2014 22:40:22 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**154500.**	**29596.**	**2029.5**	**5554.5**
Stddev	146.	21.	2.3	1.8
%RSD	.09463	.07081	.11204	.03194
#1	154400.	29610.	2027.9	5553.3
#2	154610.	29581.	2031.1	5555.8

Zoom In Zoom Out

Sample Name: mp79732-mb1conf Acquired: 6/3/2014 22:46:30 Type: Unk
Method: Accutest1(v112) Mode: CONC 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**	**-.0003**	**.0000**	**.0000**	**.0008**	**.0001**	**.0009**	**.0000**
Stddev	.0001	.000	.0000	.0001	.000	.0004	.0001	.0003	.0001
%RSD	122.6	640.4	13.13	263.4	392.9	55.39	52.16	34.84	575.2
#1	.0000	.0000	-.0003	.0000	.0001	.0011	.0001	.0007	.0001
#2	.0001	.0000	-.0003	.0001	-.0002	.0005	.0001	.0011	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0013**	**.0017**	**.0031**	**.0006**	**-.0057**	**-.0005**	**-.0005**	**-.0042**
Stddev	.0001	.0003	.0001	.0003	.0001	.0016	.0004	.0013	.0082
%RSD	206.9	21.00	4.476	8.812	23.12	28.45	76.95	233.6	197.3
#1	.0000	.0011	.0017	.0029	.0005	-.0068	-.0002	.0004	-.0100
#2	-.0001	.0015	.0018	.0033	.0007	-.0045	-.0008	-.0015	.0016

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0077**	**-.0014**	**-.0288**	**.0068**	**-.0030**	**-.0005**	**-.0005**	**.0098**	**-.0001**
Stddev	.0013	.0001	.0003	.0048	.0006	.0002	.0001	.0005	.0001
%RSD	17.05	8.133	1.185	70.98	18.38	34.10	24.46	5.156	201.9
#1	.0087	-.0013	-.0290	.0034	-.0034	-.0006	-.0006	.0095	.0000
#2	.0068	-.0015	-.0285	.0102	-.0026	-.0003	-.0004	.0102	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0007**	**-.0029**	**-.0003**	**.0326**	**.0008**	**-.0003**
Stddev	.0000	.0002	.0003	.0000	.0045	.0006	.0006
%RSD	8.470	25.84	8.916	9.103	13.95	70.56	179.8
#1	.0000	.0008	-.0027	-.0003	.0358	.0004	-.0007
#2	.0000	.0005	-.0031	-.0002	.0294	.0012	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**156860.**	*****	**2161.5**	**5834.0**
Stddev	3638.	-----	25.9	50.6
%RSD	2.3193	-----	1.1994	.86744
#1	154290.	-----	2179.8	5869.7
#2	159430.	32507.	2143.1	5798.2

Zoom In Zoom Out

Sample Name: mp79732-s1 1 Acquired: 6/3/2014 22:52:35 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa tl

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.188**	**.0553**	**.0647**	**.5792**	**.2274**	**.2689**	**.8841**	**.5990**
Stddev	1.007	.0254	.0022	.0164	.0008	.0010	.0022	.0171
%RSD	46.00	45.94	3.428	2.826	.3514	.3880	.2539	2.857
#1	2.900	.0732	.0632	.5677	.2280	.2682	.8856	.5869
#2	1.477	.0373	.0663	.5908	.2269	.2697	.8825	.6112

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0552**	**.5187**	**.6354**	**2.459**	**2.310**	**.6410**	**2.448**	**.5393**
Stddev	.0003	.0000	.0198	.086	.067	.0194	.102	.0210
%RSD	.4624	.0042	3.121	3.485	2.919	3.028	4.152	3.897
#1	.0553	.5187	.6214	2.398	2.263	.6273	2.377	.5244
#2	.0550	.5187	.6494	2.520	2.358	.6548	2.520	.5542

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.413**	**53.99**	**2.341**	**58.14**	**39.39**	**353.1**	**2.735**	**2.251**
Stddev	1.115	25.02	1.080	26.75	18.05	169.7	.097	.079
%RSD	46.19	46.34	46.14	46.01	45.82	48.05	3.555	3.487
#1	3.202	71.69	3.105	77.06	52.15	473.0	2.666	2.196
#2	1.625	36.30	1.577	39.23	26.63	233.1	2.803	2.307

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**1.847**	**3.149**	**2.246**	**2.420**	**2.166**	**.0066**	**.0007**	**41.32**
Stddev	.004	.117	.078	1.114	.003	.0012	.0000	1.37
%RSD	.2381	3.714	3.457	46.01	.1304	18.17	5.106	3.319
#1	1.844	3.066	2.191	3.208	2.168	.0057	.0008	40.35
#2	1.850	3.232	2.301	1.633	2.164	.0074	.0007	42.29

Elem	Bi2230	Li6707
Avg	F **-.0284**	**.0053**
Stddev	.0018	.0035
%RSD	6.222	65.77
#1	-.0272	.0078
#2	-.0296	.0028

Zoom In Zoom Out

Sample Name: mp79732-s1 1 Acquired: 6/3/2014 22:52:35 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa tl

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**148030.**	*****	**1923.1**	**5011.3**
Stddev	158.	-----	61.3	138.4
%RSD	.10656	-----	3.1861	2.7623
#1	147920.	-----	1966.4	5109.2
#2	148140.	-----	1879.7	4913.4

Zoom In Zoom Out

Sample Name: mp79732-s2 Acquired: 6/3/2014 22:58:29 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**2.166**	**.0548**	**.0520**	**.5593**	**.2232**	**.2663**	**.8680**	**.5801**
Stddev	.004	.0000	.0002	.0025	.0006	.0012	.0019	.0009
%RSD	.1785	.0748	.3416	.4390	.2486	.4428	.2230	.1506
#1	2.169	.0549	.0519	.5575	.2236	.2655	.8694	.5795
#2	2.164	.0548	.0521	.5610	.2228	.2671	.8666	.5807

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0579**	**.5409**	**.6102**	**2.351**	**2.269**	**.6290**	**2.413**	**.5584**
Stddev	.0004	.0001	.0020	.011	.004	.0016	.008	.0017
%RSD	.6906	.0140	.3264	.4648	.1646	.2477	.3438	.3051
#1	.0576	.5409	.6088	2.343	2.266	.6279	2.407	.5572
#2	.0582	.5408	.6116	2.359	2.272	.6301	2.419	.5596

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.309**	**53.49**	**2.345**	**57.50**	**39.09**	**349.3**	**2.598**	**2.217**
Stddev	.000	.07	.005	.08	.02	2.4	.008	.010
%RSD	.0004	.1226	.1949	.1321	.0490	.6974	.3153	.4416
#1	2.309	53.44	2.342	57.45	39.07	347.6	2.593	2.210
#2	2.309	53.53	2.348	57.55	39.10	351.0	2.604	2.224

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**1.832**	**2.950**	**2.193**	**2.388**	**2.123**	**.0014**	**-.0033**	**40.59**
Stddev	.005	.014	.009	.001	.000	.0012	.0000	.15
%RSD	.2571	.4696	.3853	.0300	.0049	85.53	.4232	.3808
#1	1.829	2.940	2.187	2.389	2.123	.0022	-.0033	40.48
#2	1.836	2.960	2.199	2.388	2.123	.0006	-.0033	40.70

Elem	Bi2230	Li6707
Avg	F **-.0210**	**.0051**
Stddev	.0010	.0003
%RSD	4.862	6.172
#1	-.0217	.0048
#2	-.0202	.0053

Zoom In Zoom Out

Sample Name: mp79732-s2 Acquired: 6/3/2014 22:58:29 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**148690.**	**29742.**	**1950.0**	**5090.7**
Stddev	394.	61.	9.1	14.9
%RSD	.26476	.20439	.46871	.29290
#1	148410.	29785.	1956.5	5101.3
#2	148970.	29699.	1943.6	5080.2

Zoom In Zoom Out

Sample Name: jb67783-1 Acquired: 6/3/2014 23:04:25 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0322**	**.0000**	**-.0001**	**.0003**	**.0014**	**.0040**	**.2630**	**.0054**	**.0001**
Stddev	.0011	.000	.0000	.0002	.0002	.0004	.0086	.0000	.0002
%RSD	3.300	2475.	6.187	60.13	10.82	10.30	3.254	.6301	191.1
#1	.0329	.0000	-.0001	.0002	.0013	.0037	.2569	.0054	.0003
#2	.0314	.0000	-.0001	.0005	.0015	.0043	.2690	.0053	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0023**	**.0063**	**.0076**	**.0019**	**.0035**	**-.0070**	**-.0004**	**.0757**	**22.90**
Stddev	.0000	.0001	.0003	.0008	.0005	.0013	.0003	.0006	.87
%RSD	1.636	1.766	3.829	42.88	15.53	18.10	83.36	.8499	3.816
#1	.0023	.0062	.0078	.0024	.0039	-.0061	-.0006	.0762	23.52
#2	.0023	.0063	.0074	.0013	.0031	-.0079	-.0002	.0753	22.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.9945**	**25.44**	**10.19**	**268.2**	**.2653**	**.0013**	**.0000**	**.4588**	**-.0005**
Stddev	.0354	.99	.34	9.0	.0028	.0002	.0003	.0060	.0005
%RSD	3.560	3.894	3.324	3.353	1.056	12.30	1140.	1.303	97.20
#1	1.020	26.14	10.43	274.5	.2673	.0015	-.0002	.4630	-.0002
#2	.9694	24.74	9.953	261.8	.2634	.0012	.0003	.4545	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2242**	**.0012**	**-.0031**	**-.0016**	**34.76**	**.0013**	**.0043**
Stddev	.0078	.0001	.0008	.0001	.47	.0005	.0009
%RSD	3.493	4.811	26.51	4.881	1.344	35.14	19.91
#1	.2297	.0013	-.0037	-.0017	35.09	.0010	.0049
#2	.2186	.0012	-.0025	-.0016	34.43	.0016	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**150380.**	**30582.**	**1986.9**	**5206.2**
Stddev	4655.	931.	19.3	43.7
%RSD	3.0954	3.0458	.97290	.83911
#1	153670.	29924.	1973.3	5175.3
#2	147080.	31241.	2000.6	5237.1

Zoom In ▶ Zoom Out

Sample Name: mp79732-sd1 Acquired: 6/3/2014 23:10:29 Type: Unk
Method: Accutest1(v112) 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	**.0279**	**.0000**	**-.0009**	**-.0007**	**.0011**	**.0047**	**.2565**	**.0063**	**.0004**
Stddev	.0060	.000	.0004	.0011	.0002	.0007	.0004	.0011	.0007
%RSD	21.53	379.3	45.88	143.3	17.84	15.85	.1706	17.87	145.3
#1	.0322	.0000	-.0011	.0000	.0013	.0052	.2562	.0071	.0009
#2	.0237	.0000	-.0006	-.0015	.0010	.0041	.2568	.0055	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0098**	**.0105**	**.0054**	**.0063**	**-.0093**	**.0016**	**.0682**	**19.92**
Stddev	.0003	.0001	.0038	.0034	.0010	.0035	.0017	.0257	4.39
%RSD	14.28	1.093	36.28	62.83	15.92	37.64	106.0	37.67	22.06
#1	.0016	.0097	.0132	.0030	.0056	-.0118	.0028	.0863	23.02
#2	.0020	.0099	.0078	.0078	.0070	-.0068	.0004	.0500	16.81

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8629**	**22.01**	**8.486**	**231.2**	**.2346**	**.0005**	**-.0022**	**.4609**	**.0020**
Stddev	.1955	4.69	1.973	48.8	.0016	.0005	.0037	.0037	.0032
%RSD	22.65	21.32	23.25	21.08	.6968	98.88	171.1	.7999	161.2
#1	1.001	25.33	9.881	265.7	.2334	.0001	-.0048	.4583	-.0003
#2	.7247	18.69	7.091	196.7	.2357	.0008	.0005	.4635	.0043

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1938**	**.0020**	**-.0150**	**-.0013**	**30.38**	**.0027**	**.0095**
Stddev	.0405	.0004	.0010	.0009	.28	.0008	.0050
%RSD	20.89	17.85	6.789	74.42	.9082	30.74	51.88
#1	.2224	.0018	-.0157	-.0019	30.19	.0021	.0130
#2	.1652	.0023	-.0142	-.0006	30.58	.0033	.0060

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**156220.**	*****	**2095.2**	**5596.0**
Stddev	147.	-----	16.3	35.5
%RSD	.09419	-----	.77562	.63480
#1	156110.	30032.	2106.7	5621.1
#2	156320.	-----	2083.7	5570.9

Zoom In ▶ Zoom Out

Sample Name: mp79781-mb1 2 Acquired: 6/3/2014 23:16:28 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0001**	**-.0002**	**.0002**	**-.0001**	**.0000**	**.0003**	**-.0002**
Stddev	.0001	.0000	.0000	.0001	.0003	.0001	.0000	.0001	.0002
%RSD	91.59	623.2	28.46	68.96	105.6	62.26	480.1	48.26	91.82
#1	.0002	.0000	.0001	-.0001	.0001	-.0001	.0000	.0004	-.0004
#2	.0000	.0000	.0001	-.0002	.0004	-.0002	.0000	.0002	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0003**	**-.0005**	**-.0016**	**.0008**	**.0009**	**.0013**	**-.0030**	**.0005**
Stddev	.0001	.0002	.0003	.0005	.0002	.0024	.0005	.0050	.0004
%RSD	38.26	58.30	53.66	28.45	20.92	272.1	35.41	166.9	89.41
#1	.0002	.0004	-.0003	-.0013	.0007	.0026	.0010	.0005	.0008
#2	.0003	.0002	-.0007	-.0019	.0009	-.0008	.0017	-.0066	.0002

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0019**	**-.0013**	**-.0129**	**.0246**	**-.0019**	**.0001**	**.0005**	**.0099**	**.0003**
Stddev	.0007	.0139	.0086	.0013	.0004	.0000	.0004	.0002	.0000
%RSD	35.70	1101.	66.52	5.199	21.70	81.39	76.59	2.044	1.411
#1	.0024	-.0111	-.0068	.0237	-.0016	.0000	.0002	.0098	.0003
#2	.0014	.0086	-.0189	.0255	-.0022	.0001	.0007	.0100	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0012**	**-.0001**	**.0080**	**-.0003**	**.0004**
Stddev	.000	.0004	.0002	.0000	.0010	.0002	.0002
%RSD	6699.	91.80	12.94	5.239	13.01	62.93	47.30
#1	.0000	.0002	-.0013	-.0001	.0073	-.0004	.0006
#2	.0000	.0007	-.0011	-.0001	.0088	-.0002	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162250.**	**30796.**	**2137.3**	**5772.3**
Stddev	701.	2.	9.4	26.7
%RSD	.43230	.00775	.44122	.46255
#1	161760.	30794.	2130.7	5753.4
#2	162750.	30798.	2144.0	5791.2

Zoom In ▶ Zoom Out

Sample Name: mp79781-lc1 Acquired: 6/3/2014 23:22:30 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4934**	**.5033**	**.4959**	**.4956**	**.5157**	**.4568**	**.5274**	**.5140**	**.1890**
Stddev	.0003	.0006	.0038	.0049	.0040	.0019	.0016	.0048	.0003
%RSD	.0596	.1155	.7761	.9921	.7761	.4193	.2948	.9304	.1704
#1	.4932	.5028	.4932	.4921	.5185	.4555	.5285	.5106	.1892
#2	.4936	.5037	.4986	.4990	.5129	.4582	.5263	.5174	.1887

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4941**	**.5528**	**.5004**	**.5156**	**.5627**	**.4749**	**.4859**	**5.009**	**5.532**
Stddev	.0016	.0043	.0043	.0037	.0047	.0048	.0046	.009	.017
%RSD	.3197	.7719	.8543	.7202	.8396	1.001	.9438	.1832	.2993
#1	.4952	.5498	.4973	.5129	.5594	.4716	.4826	5.015	5.544
#2	.4930	.5558	.5034	.5182	.5661	.4783	.4891	5.003	5.520

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.637**	**5.430**	**9.917**	**10.02**	**.0078**	**.4947**	**.0018**	**.0369**	**.0002**
Stddev	.003	.011	.009	.01	.0003	.0054	.0010	.0006	.0004
%RSD	.0557	.2020	.0936	.0646	3.566	1.087	56.87	1.614	225.8
#1	5.639	5.438	9.924	10.02	.0080	.4908	.0011	.0364	-.0001
#2	5.635	5.423	9.911	10.03	.0076	.4985	.0026	.0373	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5067**	**.0038**	**.0023**	**.0041**	**-.0064**	**.0007**
Stddev	.0000	.0018	.0005	.0001	.0001	.0003	.0002
%RSD	16.90	.3483	13.59	2.408	2.394	4.005	36.40
#1	-.0002	.5080	.0042	.0022	.0040	-.0065	.0008
#2	-.0002	.5055	.0034	.0023	.0042	-.0062	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159910.**	**30013.**	**2120.3**	**5717.8**
Stddev	900.	12.	17.4	44.1
%RSD	.56260	.03914	.82264	.77073
#1	159280.	30022.	2132.7	5748.9
#2	160550.	30005.	2108.0	5686.6

Zoom In ▶ Zoom Out

Sample Name: jb64500-35 Acquired: 6/3/2014 23:28:22 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**-.0001**	**.0001**	**.0001**	**.0000**	**.0003**	**.0001**
Stddev	.0001	.000	.0002	.0001	.0003	.0006	.000	.0002	.0001
%RSD	43.94	75.30	2265.	167.2	289.5	444.3	586.6	85.49	74.65
#1	.0003	.0000	.0001	.0000	.0003	.0005	.0000	.0004	.0001
#2	.0002	.0000	-.0001	-.0001	-.0001	-.0003	.0000	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0005**	**-.0009**	**-.0012**	**.0003**	**.0025**	**.0016**	**-.0063**	**.0007**
Stddev	.0001	.0000	.0012	.0001	.0010	.0003	.0005	.0011	.0005
%RSD	127.6	9.873	131.4	10.19	367.8	13.39	29.64	18.25	67.83
#1	.0000	.0004	-.0001	-.0011	-.0004	.0023	.0019	-.0071	.0004
#2	.0002	.0005	-.0017	-.0013	.0010	.0028	.0012	-.0054	.0011

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0027**	**-.0032**	**-.0400**	**.0190**	**-.0024**	**.0001**	**.0006**	**.0168**	**.0003**
Stddev	.0005	.0016	.0066	.0042	.0002	.0001	.0006	.0000	.0005
%RSD	18.78	49.89	16.57	21.97	10.27	53.30	94.44	.0672	160.8
#1	.0031	-.0021	-.0447	.0220	-.0022	.0002	.0002	.0168	.0006
#2	.0023	-.0043	-.0353	.0161	-.0025	.0001	.0010	.0168	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0032**	**.0001**	**.0078**	**-.0010**	**-.0001**
Stddev	.000	.0003	.0004	.0001	.0002	.0013	.0003
%RSD	1432.	75.04	14.06	53.68	2.066	132.4	300.4
#1	.0000	.0007	-.0035	.0002	.0079	-.0019	.0001
#2	.0000	.0002	-.0029	.0001	.0077	-.0001	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**158430.**	**30866.**	**2160.1**	**5828.3**
Stddev	4170.	11.	4.5	17.4
%RSD	2.6317	.03578	.20771	.29821
#1	155490.	30874.	2163.3	5840.6
#2	161380.	30858.	2156.9	5816.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/3/2014 23:34:26 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.084**	**2.083**	**2.111**	**2.112**	**2.015**	**2.163**	**2.127**	**.2496**
Stddev	.010	.004	.005	.006	.012	.002	.006	.009	.0007
%RSD	.4909	.1892	.2276	.2764	.5763	.1145	.2725	.4395	.2606
#1	2.041	2.081	2.080	2.106	2.103	2.017	2.159	2.121	.2491
#2	2.055	2.087	2.087	2.115	2.120	2.013	2.167	2.134	.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	**2.074**	**2.150**	**2.064**	**2.134**	**2.125**	**2.009**	**2.066**	**40.14**	**40.60**
Stddev	.005	.008	.001	.009	.007	.002	.003	.08	.02
%RSD	.2542	.3924	.0294	.4426	.3386	.0970	.1239	.1872	.0588
#1	2.070	2.144	2.064	2.127	2.120	2.007	2.064	40.09	40.59
#2	2.077	2.156	2.065	2.140	2.130	2.010	2.067	40.19	40.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**40.05**	**39.98**	**40.26**	**2.057**	**2.098**	**2.000**	**5.103**	**2.113**
Stddev	.04	.11	.05	.09	.002	.000	.000	.004	.006
%RSD	.1005	.2786	.1206	.2279	.1012	.0006	.0069	.0701	.2943
#1	40.68	40.13	39.95	40.20	2.056	2.098	2.000	5.100	2.108
#2	40.73	39.97	40.02	40.32	2.059	2.098	2.000	5.105	2.117
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: 6/3/2014 23:34:26 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.074**	**2.081**	**2.036**	**2.018**	**1.998**	**2.037**	**2.006**
Stddev	.004	.002	.009	.000	.009	.000	.010
%RSD	.1908	.1070	.4221	.0066	.4553	.0157	.4901
#1	2.071	2.079	2.030	2.018	1.992	2.038	1.999
#2	2.077	2.082	2.042	2.017	2.004	2.037	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**153210.**	**29589.**	**2047.7**	**5449.6**
Stddev	82.	31.	.9	12.3
%RSD	.05336	.10336	.04406	.22575
#1	153270.	29611.	2048.3	5458.3
#2	153150.	29567.	2047.0	5440.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/3/2014 23:40:16 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0000**	**.0001**	**.0002**	**-.0003**	**.0001**	**.0005**
Stddev	.0002	.0000	.000	.0000	.0001	.0000	.0000	.0001
%RSD	159.6	25.07	1624.	30.72	29.83	12.38	7.172	19.60
#1	.0003	.0001	-.0001	.0001	.0002	-.0003	.0001	.0004
#2	.0000	.0001	.0001	.0001	.0003	-.0003	.0001	.0005
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**	**.0004**	**-.0005**	**.0007**	**-.0004**	**.0011**
Stddev	.0001	.0002	.0001	.0005	.0011	.0013	.0019	.0012
%RSD	49.10	58.40	7.154	117.8	242.9	186.4	473.1	109.0
#1	.0001	.0002	.0008	.0001	-.0013	-.0002	-.0018	.0020
#2	.0002	.0004	.0009	.0008	.0003	.0016	.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	**-.0031**	**.0028**	**.0023**	**.0103**	**-.0296**	**.0131**	**-.0017**	**.0000**
Stddev	.0010	.0038	.0016	.0060	.0003	.0095	.0002	.000
%RSD	33.66	137.3	68.82	58.24	.9005	72.38	12.21	693.9
#1	-.0038	.0055	.0034	.0061	-.0294	.0197	-.0015	.0001
#2	-.0023	.0001	.0012	.0146	-.0298	.0064	-.0018	-.0001
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: 6/3/2014 23:40:16 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0005**	**.0003**	**.0001**	**.0004**	**.0020**	**.0002**	W **.0062**
Stddev	.000	.0000	.0007	.0001	.0001	.0005	.0002	.0029
%RSD	305.1	7.300	287.0	68.17	34.89	23.81	113.0	47.35
#1	-.0001	.0005	.0008	.0002	.0003	.0024	.0003	.0041
#2	.0000	.0006	-.0003	.0001	.0005	.0017	.0000	.0083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0050
Low Limit								-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0005**	**.0005**
Stddev	.0002	.0006
%RSD	41.63	130.8
#1	-.0007	.0009
#2	-.0004	.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	**161540.**	**30747.**	**2169.0**	**5827.5**
Stddev	299.	126.	12.5	26.4
%RSD	.18527	.40883	.57822	.45329
#1	161750.	30658.	2160.1	5808.9
#2	161330.	30836.	2177.8	5846.2

Zoom In Zoom Out

Sample Name: jb67898-4 Acquired: 6/3/2014 23:46:21 Type: Unk
Method: Accutest1(v112) Mode: CONC 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**	**-.0003**	**.0003**	**-.0005**	**.0000**	**.0002**	**.0001**
Stddev	.0002	.000	.0001	.0001	.0002	.0002	.0000	.0001	.0005
%RSD	216.8	361.1	169.3	43.45	59.13	40.74	63.34	40.08	550.2
#1	.0003	.0000	.0000	-.0004	.0004	-.0007	.0000	.0001	-.0003
#2	-.0001	.0000	.0001	-.0002	.0001	-.0004	.0000	.0002	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0005**	**-.0006**	**-.0010**	**.0000**	**.0006**	**.0016**	**.0005**	**.0282**
Stddev	.0001	.0001	.0011	.0000	.001	.0001	.0000	.0038	.0024
%RSD	187.6	28.12	166.0	4.137	1937.	16.34	.5290	823.5	8.443
#1	.0000	.0004	.0001	-.0010	.0005	.0006	.0016	.0032	.0266
#2	.0001	.0006	-.0014	-.0010	-.0006	.0007	.0016	-.0023	.0299

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0040**	**.0024**	**-.0215**	**.0923**	**-.0020**	**.0002**	**.0004**	**.0303**	**.0008**
Stddev	.0013	.0168	.0211	.0046	.0001	.0000	.0002	.0008	.0002
%RSD	33.36	710.9	97.90	4.978	6.170	15.79	51.38	2.753	18.56
#1	.0030	.0142	-.0365	.0891	-.0019	.0002	.0003	.0297	.0009
#2	.0049	-.0095	-.0066	.0956	-.0021	.0002	.0006	.0309	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0001**	**.0000**	**.0220**	**-.0004**	**.0004**
Stddev	.0000	.0001	.0007	.0000	.0003	.0004	.0004
%RSD	52.93	31.04	493.2	134.9	1.565	103.0	80.51
#1	.0001	.0003	.0003	.0001	.0217	-.0007	.0007
#2	.0000	.0005	-.0006	.0000	.0222	-.0001	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**164630.**	**30650.**	**2142.9**	**5791.2**
Stddev	2519.	11.	15.1	46.5
%RSD	1.5299	.03438	.70241	.80265
#1	166410.	30657.	2153.6	5824.0
#2	162850.	30643.	2132.3	5758.3

Zoom In Zoom Out

Sample Name: jb67976-6 Acquired: 6/3/2014 23:52:24 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0000**	**.0000**	**-.0001**	**.0004**	**.0007**	**.0000**	**.0003**	**-.0001**
Stddev	.0001	.000	.000	.0001	.0000	.0013	.0001	.0001	.0000
%RSD	20.80	31.66	800.6	65.77	6.151	191.6	136.4	20.92	38.41
#1	.0003	.0000	.0001	-.0001	.0004	.0016	.0001	.0003	-.0002
#2	.0004	.0000	-.0001	-.0002	.0004	-.0002	.0000	.0004	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0007**	**-.0004**	**-.0010**	**.0005**	**.0010**	**.0011**	**.0025**	**.0431**
Stddev	.0000	.0000	.0009	.0002	.0003	.0006	.0003	.0029	.0136
%RSD	113.0	2.763	197.1	19.38	61.68	64.99	27.79	115.2	31.60
#1	.0000	.0007	-.0010	-.0011	.0007	.0005	.0009	.0046	.0334
#2	.0001	.0007	.0002	-.0008	.0003	.0014	.0013	.0005	.0527

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0043**	**.0132**	**-.0245**	**.1799**	**-.0017**	**.0000**	**-.0001**	**.0295**	**.0010**
Stddev	.0001	.0070	.0061	.0116	.0003	.0001	.0005	.0010	.0002
%RSD	1.281	53.34	24.72	6.429	18.13	341.4	703.4	3.358	17.01
#1	.0043	.0082	-.0202	.1717	-.0015	.0000	-.0004	.0288	.0009
#2	.0043	.0181	-.0288	.1881	-.0019	.0001	.0003	.0302	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**-.0014**	**.0003**	**.0086**	**-.0001**	**-.0003**
Stddev	.0000	.0002	.0005	.0001	.0005	.0002	.0003
%RSD	33.62	26.26	38.82	26.85	5.815	238.1	118.6
#1	.0001	.0005	-.0018	.0004	.0082	.0001	-.0005
#2	.0001	.0008	-.0010	.0003	.0089	-.0002	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**153180.**	*****	**2194.0**	**5916.4**
Stddev	13043.	-----	46.9	119.2
%RSD	8.5148	-----	2.1385	2.0140
#1	143950.	32115.	2227.2	6000.6
#2	162400.	-----	2160.8	5832.1

Zoom In Zoom Out

Sample Name: jb68098-2 Acquired: 6/3/2014 23:58:27 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**-.0001**	**.0001**	**.0001**	**.0001**	**.0000**	**-.0002**
Stddev	.0000	.000	.0000	.0001	.0005	.0001	.0000	.0001	.0001
%RSD	2.795	17.96	4.652	95.25	351.9	100.3	8.956	849.1	45.46
#1	.0002	.0000	.0000	-.0002	-.0002	.0000	.0000	-.0001	-.0001
#2	.0002	.0000	.0000	.0000	.0005	.0001	.0001	.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0002**	**-.0016**	**-.0007**	**.0004**	**.0051**	**.0007**	**.0013**	**.0005**
Stddev	.0001	.0001	.0004	.0004	.0006	.0004	.0002	.0056	.0019
%RSD	56.66	43.07	23.73	50.44	181.0	6.871	29.47	423.9	415.4
#1	.0002	.0003	-.0018	-.0009	-.0001	.0054	.0008	-.0027	-.0009
#2	.0001	.0002	-.0013	-.0004	.0008	.0049	.0005	.0053	.0018

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0030**	**.0011**	**-.0135**	**.0029**	**-.0025**	**.0001**	**-.0002**	**.0119**	**.0010**
Stddev	.0007	.0009	.0330	.0009	.0001	.0001	.0007	.0003	.0000
%RSD	23.74	80.48	245.1	31.47	4.204	61.18	374.2	2.149	2.252
#1	.0025	.0018	-.0368	.0022	-.0025	.0002	.0003	.0120	.0011
#2	.0035	.0005	.0099	.0035	-.0024	.0001	-.0006	.0117	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0015**	**.0001**	**.0023**	**-.0010**	**.0000**
Stddev	.0001	.0000	.0002	.0000	.0012	.0002	.0005
%RSD	194.5	13.45	14.06	9.820	51.96	24.76	1083.
#1	.0001	.0004	-.0016	.0002	.0014	-.0011	-.0003
#2	.0000	.0003	-.0013	.0001	.0031	-.0008	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159700.**	**30622.**	**2121.7**	**5742.5**
Stddev	9.	99.	5.6	4.1
%RSD	.00584	.32244	.26224	.07099
#1	159690.	30692.	2117.8	5739.6
#2	159710.	30552.	2125.7	5745.4

Zoom In Zoom Out

Sample Name: jb67897-7 Acquired: 6/4/2014 0:04:31 Type: Unk
Method: Accutest1(v112) Mode: CONC 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**	**.0000**	**-.0001**	**-.0003**	**.0002**	**.0028**	**.0000**	**.0001**	**.0002**
Stddev	.0000	.000	.0000	.0001	.0001	.0002	.0000	.0001	.0001
%RSD	1.869	446.9	81.23	23.44	23.24	5.609	50.11	102.5	28.10
#1	.0005	.0000	-.0001	-.0004	.0002	.0030	.0000	.0000	.0002
#2	.0005	.0000	.0000	-.0003	.0003	.0027	.0001	.0002	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0035**	**-.0014**	**-.0010**	**.0015**	**-.0002**	**.0018**	**-.0006**	**.0210**
Stddev	.0000	.0001	.0019	.0005	.0002	.0009	.0010	.0029	.0009
%RSD	32.65	1.487	131.7	46.49	13.78	443.1	57.98	502.2	4.188
#1	.0000	.0035	-.0028	-.0013	.0016	.0004	.0010	.0015	.0216
#2	.0000	.0035	-.0001	-.0007	.0013	-.0008	.0025	-.0026	.0204

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0033**	**.0096**	**-.0394**	**.1199**	**-.0026**	**.0001**	**.0000**	**.0335**	**.0004**
Stddev	.0003	.0077	.0011	.0017	.0002	.0002	.0001	.0012	.0002
%RSD	8.912	80.11	2.910	1.398	7.123	191.6	438.5	3.704	46.06
#1	.0035	.0151	-.0386	.1211	-.0025	.0000	-.0001	.0326	.0003
#2	.0031	.0042	-.0403	.1187	-.0028	.0003	.0001	.0343	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**-.0026**	**.0000**	**.0082**	**-.0007**	**.0002**
Stddev	.0000	.0000	.0002	.000	.0002	.0005	.0002
%RSD	1.866	.6726	8.224	426.0	1.963	67.79	86.98
#1	.0001	.0006	-.0024	-.0001	.0081	-.0010	.0004
#2	.0001	.0006	-.0027	.0000	.0084	-.0004	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**161050.**	**30931.**	**2136.9**	**5769.2**
Stddev	57.	624.	2.4	6.1
%RSD	.03525	2.0161	.11240	.10510
#1	161000.	31372.	2135.2	5773.5
#2	161090.	30490.	2138.6	5764.9

Zoom In Zoom Out

Sample Name: jb67912-11a Acquired: 6/4/2014 0:10:35 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0001**	**-.0001**	**.0004**	**.0011**	**.0002**	**.0005**	**.0001**
Stddev	.0001	.000	.0001	.0001	.0002	.0016	.0000	.0002	.0000
%RSD	73.01	406.3	92.70	64.61	41.45	140.4	4.822	51.59	29.30
#1	.0003	.0000	.0000	-.0001	.0003	.0022	.0002	.0003	.0001
#2	.0001	-.0001	.0002	-.0001	.0006	.0000	.0002	.0006	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0013**	**-.0001**	**-.0005**	**.0014**	**.0016**	**.0014**	**.0036**	**.0207**
Stddev	.0000	.0000	.0003	.0003	.0001	.0008	.0005	.0065	.0011
%RSD	11.46	.2138	291.2	74.97	7.945	51.60	34.14	178.9	5.284
#1	-.0002	.0013	-.0003	-.0002	.0013	.0010	.0010	-.0010	.0215
#2	-.0001	.0013	.0001	-.0007	.0015	.0022	.0017	.0083	.0200

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0025**	**.0108**	**-.0218**	**.0892**	**-.0024**	**.0000**	**.0006**	**.0177**	**.0013**
Stddev	.0014	.0035	.0134	.0013	.0001	.000	.0004	.0013	.0000
%RSD	57.27	32.24	61.24	1.485	5.182	718.1	63.83	7.322	1.653
#1	.0035	.0133	-.0313	.0883	-.0025	-.0002	.0003	.0168	.0013
#2	.0015	.0084	-.0124	.0901	-.0023	.0001	.0009	.0186	.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0033**	**-.0001**	**.0056**	**.0003**	**.0000**
Stddev	.0000	.0002	.0005	.0002	.0007	.0005	.0003
%RSD	50.79	78.16	14.35	180.6	12.73	145.8	1439.
#1	.0000	.0001	-.0037	-.0003	.0061	.0007	.0002
#2	.0001	.0004	-.0030	.0000	.0051	.0000	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**151330.**	**30840.**	**2164.0**	**5830.8**
Stddev	13893.	82.	43.5	111.0
%RSD	9.1801	.26719	2.0112	1.9034
#1	141510.	30782.	2194.7	5909.3
#2	161160.	30899.	2133.2	5752.3

Zoom In Zoom Out

Sample Name: jb67981-14 Acquired: 6/4/2014 0:16:39 Type: Unk
Method: Accutest1(v112) Mode: CONC 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**	**.0001**	**.0000**	**.0001**	**.0003**	**.0003**
Stddev	.0001	.0000	.0001	.0001	.0002	.000	.0000	.0001	.0002
%RSD	71.32	175.5	200.9	40.41	127.7	1084.	19.29	21.18	60.29
#1	.0001	.0000	.0000	-.0002	.0003	.0001	.0001	.0003	.0002
#2	.0002	.0000	-.0002	-.0001	.0000	-.0002	.0001	.0002	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0029**	**-.0014**	**-.0006**	**.0009**	**.0015**	**.0014**	**.0009**	**.0766**
Stddev	.0000	.0002	.0005	.0006	.0005	.0006	.0008	.0013	.0036
%RSD	38.05	8.113	35.83	98.50	51.94	36.49	58.95	143.6	4.674
#1	.0001	.0031	-.0017	-.0002	.0006	.0011	.0020	.0018	.0740
#2	.0000	.0027	-.0010	-.0010	.0013	.0019	.0008	.0000	.0791

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0051**	**.0036**	**-.0122**	**.0244**	**-.0025**	**.0000**	**.0000**	**.0257**	**.0010**
Stddev	.0001	.0155	.0083	.0088	.0002	.0002	.001	.0017	.0000
%RSD	2.096	430.1	67.66	36.13	6.534	3657.	7953.	6.644	4.360
#1	.0050	-.0074	-.0181	.0182	-.0027	.0001	.0006	.0269	.0009
#2	.0052	.0146	-.0064	.0307	-.0024	-.0001	-.0006	.0245	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0005**	**-.0032**	**.0000**	**.0182**	**-.0005**	**.0007**
Stddev	.0000	.0003	.0004	.000	.0024	.0006	.0005
%RSD	2.116	49.38	12.11	60.94	12.97	111.3	74.30
#1	.0001	.0004	-.0029	.0000	.0165	-.0010	.0003
#2	.0001	.0007	-.0034	.0000	.0199	-.0001	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159690.**	**30826.**	**2101.3**	**5686.8**
Stddev	1437.	179.	36.4	92.9
%RSD	.90014	.57918	1.7305	1.6329
#1	158670.	30953.	2075.6	5621.1
#2	160700.	30700.	2127.0	5752.4

Zoom In Zoom Out

Sample Name: jb67999-2a Acquired: 6/4/2014 0:22:44 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**-.0001**	**.0000**	**.0004**	**.0000**	**.0001**	**.0003**	**.0002**
Stddev	.0001	.000	.0000	.0000	.0000	.000	.0000	.0001	.0003
%RSD	84.67	308.9	1.150	116.7	7.348	419.9	11.59	34.13	164.1
#1	.0001	.0000	-.0001	.0001	.0004	-.0001	.0001	.0004	.0004
#2	.0003	.0000	-.0001	.0000	.0004	.0001	.0001	.0002	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0008**	**-.0009**	**.0000**	**.0006**	**.0000**	**.0017**	**.0010**	**.0186**
Stddev	.000	.0000	.0004	.000	.0003	.0011	.0001	.0022	.0007
%RSD	1912.	3.255	41.32	236.6	45.60	2598.	3.219	209.8	3.730
#1	.0000	.0009	-.0011	-.0001	.0004	-.0007	.0017	-.0005	.0181
#2	.0000	.0008	-.0006	.0000	.0008	.0008	.0016	.0026	.0191

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0074**	**.0072**	**-.0364**	**.0113**	**-.0029**	**-.0001**	**.0001**	**.0259**	**.0005**
Stddev	.0009	.0055	.0304	.0044	.0005	.0001	.0001	.0001	.0006
%RSD	11.67	76.29	83.46	39.00	16.73	89.27	64.23	.4201	128.5
#1	.0080	.0033	-.0578	.0144	-.0026	.0000	.0002	.0259	.0000
#2	.0067	.0111	-.0149	.0082	-.0033	-.0001	.0001	.0260	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0007**	**-.0025**	**-.0001**	**.0033**	**-.0009**	**-.0001**
Stddev	.0000	.0001	.0002	.0000	.0001	.0001	.0003
%RSD	9.314	13.52	9.735	24.61	3.208	15.10	259.3
#1	.0001	.0006	-.0023	-.0002	.0034	-.0008	-.0003
#2	.0001	.0008	-.0026	-.0001	.0032	-.0010	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159960.**	**30768.**	**2165.5**	**5839.4**
Stddev	2330.	160.	40.1	111.7
%RSD	1.4564	.52079	1.8512	1.9123
#1	161610.	30881.	2137.1	5760.4
#2	158310.	30654.	2193.8	5918.3

Zoom In Zoom Out

Sample Name: jb68102-1a Acquired: 6/4/2014 0:28:48 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0002**	**.0000**	**.0000**	**-.0005**	**.0005**	**-.0002**	**.0002**	**.0009**
Stddev	.0002	.000	.000	.0004	.0000	.0001	.0000	.0013
%RSD	95.77	9.955	762.8	83.95	2.299	56.24	22.35	146.9
#1	.0004	.0000	.0001	-.0007	.0005	-.0001	.0002	.0018
#2	.0001	.0000	-.0001	-.0002	.0005	-.0002	.0002	.0000

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0001**	**.0011**	**-.0020**	F **-.0022**	**-.0005**	**.0037**	**.0019**
Stddev	.0001	.0000	.0000	.0002	.0031	.0009	.0023	.0012
%RSD	416.2	5.633	.9449	9.990	139.5	169.6	60.84	59.89
#1	-.0001	.0001	.0011	-.0021	-.0044	-.0011	.0053	.0027
#2	.0001	.0001	.0011	-.0018	.0000	.0001	.0021	.0011

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0068**	**.0258**	**.0208**	**-.0070**	**-.0518**	**.0171**	**-.0034**	**.0000**
Stddev	.0056	.0123	.0034	.0024	.0052	.0054	.0006	.0000
%RSD	83.41	47.77	16.47	33.86	9.949	31.60	18.84	160.4
#1	.0028	.0344	.0232	-.0086	-.0554	.0210	-.0029	.0001
#2	.0107	.0171	.0183	-.0053	-.0482	.0133	-.0038	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**.0410**	**.0003**	**.0000**	**.0016**	**-.0027**	**-.0001**	**.0053**
Stddev	.0003	.0053	.0005	.0000	.0003	.0004	.0000	.0024
%RSD	203.6	12.81	150.4	122.2	19.67	13.97	20.88	46.21
#1	.0003	.0447	.0007	.0001	.0014	-.0029	-.0001	.0035
#2	-.0001	.0373	.0000	.0000	.0018	-.0024	-.0001	.0070

Elem	Bi2230	Li6707
Avg	**-.0001**	**.0007**
Stddev	.0007	.0006
%RSD	616.0	94.62
#1	-.0006	.0011
#2	.0004	.0002

Zoom In Zoom Out

Sample Name: jb68102-1a Acquired: 6/4/2014 0:28:48 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	162670.	*****	*****	*****
Stddev	430.	-----	-----	-----
%RSD	.26403	-----	-----	-----
#1	162370.	-----	-----	-----
#2	162980.	30959.	2147.9	5818.4

Zoom In Zoom Out

Sample Name: mp79779-mb1conf Acquired: 6/4/2014 0:34:51 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0001**	**-.0001**	**.0000**	**.0012**	**.0001**	**.0001**	**.0001**
Stddev	.0001	.0000	.0001	.0001	.000	.0000	.0000	.0000	.0002
%RSD	570.3	97.03	121.4	149.2	359.6	1.603	31.74	11.76	183.3
#1	.0001	.0000	.0000	.0000	.0000	.0012	.0001	.0001	.0002
#2	-.0001	.0000	-.0001	-.0001	.0000	.0012	.0001	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0011**	**.0004**	**-.0008**	**.0007**	**.0010**	**.0009**	**.0000**	**.0044**
Stddev	.0002	.0001	.0006	.0003	.0004	.0009	.0003	.003	.0009
%RSD	81.40	7.582	141.9	33.05	58.13	96.88	27.33	10610.	20.42
#1	.0001	.0010	.0008	-.0006	.0009	.0003	.0011	.0021	.0037
#2	.0004	.0011	.0000	-.0010	.0004	.0016	.0007	-.0021	.0050

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0037**	**.0016**	**-.0556**	**.0025**	**-.0031**	**-.0001**	**.0006**	**.0371**	**.0005**
Stddev	.0004	.0160	.0283	.0025	.0004	.0001	.0002	.0009	.0004
%RSD	9.481	997.2	50.83	100.2	12.83	118.1	27.07	2.313	87.45
#1	.0040	-.0097	-.0356	.0043	-.0033	-.0002	.0005	.0365	.0002
#2	.0035	.0130	-.0756	.0007	-.0028	.0000	.0007	.0377	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0004**	**-.0029**	**.0001**	**.0049**	**-.0005**	**.0001**
Stddev	.0000	.0000	.0000	.0001	.0012	.0004	.0000
%RSD	427.6	6.863	.2790	92.42	24.26	71.46	30.20
#1	.0000	.0003	-.0029	.0001	.0058	-.0008	.0001
#2	.0000	.0004	-.0029	.0000	.0041	-.0002	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**162100.**	**31325.**	**2144.4**	**5810.3**
Stddev	164.	1464.	10.4	24.5
%RSD	.10129	4.6730	.48279	.42157
#1	161980.	32360.	2151.7	5827.6
#2	162210.	30290.	2137.0	5793.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 0:40:56 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.082**	**2.073**	**2.095**	**2.081**	**2.002**	**2.118**	**2.117**	**.2488**
Stddev	.000	.003	.006	.004	.003	.007	.005	.004	.0001
%RSD	.0132	.1366	.2721	.2006	.1618	.3299	.2557	.2017	.0209
#1	2.036	2.084	2.069	2.092	2.084	1.998	2.122	2.114	.2488
#2	2.035	2.080	2.077	2.098	2.079	2.007	2.114	2.120	.2489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.138**	**2.059**	**2.117**	**2.106**	**2.041**	**2.061**	**39.56**	**40.68**
Stddev	.001	.005	.007	.009	.004	.006	.007	.04	.13
%RSD	.0687	.2417	.3204	.4062	.1779	.3090	.3595	.0972	.3078
#1	2.055	2.135	2.054	2.110	2.104	2.037	2.055	39.53	40.77
#2	2.053	2.142	2.064	2.123	2.109	2.045	2.066	39.58	40.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.50**	**40.01**	**39.39**	**39.82**	**2.052**	**2.094**	**1.987**	**5.078**	**2.111**
Stddev	.08	.12	.05	.03	.004	.006	.004	.013	.005
%RSD	.1889	.3005	.1239	.0638	.1851	.2704	.2271	.2475	.2495
#1	40.56	40.09	39.36	39.80	2.050	2.090	1.983	5.069	2.107
#2	40.45	39.92	39.43	39.84	2.055	2.098	1.990	5.087	2.115
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 0:40:56 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.037**	**2.029**	**1.973**	**2.002**	**2.031**	**1.988**
Stddev	.002	.001	.015	.001	.004	.007	.002
%RSD	.1138	.0592	.7146	.0441	.2014	.3605	.0842
#1	2.045	2.038	2.019	1.972	1.999	2.025	1.987
#2	2.049	2.036	2.039	1.973	2.005	2.036	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	**154710.**	**29656.**	**2053.3**	**5477.2**
Stddev	1.	9.	5.0	13.5
%RSD	.00093	.03179	.24160	.24560
#1	154700.	29663.	2056.8	5486.7
#2	154710.	29650.	2049.8	5467.7

Sample Name: ccb Acquired: 6/4/2014 0:46:46 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**-.0001**	**.0000**	**.0003**	**.0000**	**.0001**	**.0005**	**.0001**
Stddev	.0000	.0000	.0000	.0003	.0002	.0001	.0000	.0002	.0001
%RSD	14.40	34.82	30.14	4605.	72.64	326.0	18.41	38.50	201.5
#1	.0002	.0002	-.0001	.0002	.0002	.0001	.0001	.0006	.0000
#2	.0002	.0001	-.0001	-.0002	.0005	-.0001	.0001	.0003	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0009**	**-.0004**	**-.0002**	**.0005**	**-.0028**	**.0006**	**-.0021**	**.0062**
Stddev	.0001	.0000	.0003	.0001	.0012	.0004	.0008	.0001	.0021
%RSD	30.35	3.102	74.93	43.47	254.4	15.16	126.6	5.764	34.47
#1	.0003	.0009	-.0002	-.0001	-.0004	-.0025	.0011	-.0022	.0077
#2	.0002	.0008	-.0006	-.0003	.0014	-.0031	.0001	-.0020	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0083**	**-.0209**	**.0080**	**-.0019**	**.0001**	**.0000**	**.0001**	**-.0001**
Stddev	.0000	.0052	.0126	.0048	.0001	.0001	.000	.0001	.0003
%RSD	.5278	62.50	60.30	60.29	6.198	89.45	82.14	102.8	207.3
#1	.0032	.0047	-.0120	.0046	-.0019	.0001	.0000	.0000	.0001
#2	.0032	.0120	-.0298	.0114	-.0020	.0002	.0000	.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: ccb Acquired: 6/4/2014 0:46:46 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0037**	**.0001**	**.0014**	**.0004**	**.0010**
Stddev	.0000	.0001	.0011	.0002	.0011	.0001	.0001
%RSD	17.16	25.04	28.60	108.7	77.66	25.75	5.301
#1	.0001	.0004	.0045	.0000	.0021	.0004	.0011
#2	.0002	.0003	.0030	.0003	.0006	.0005	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**161570.**	**29950.**	**2170.7**	**5836.7**
Stddev	309.	807.	3.4	10.3
%RSD	.19104	2.6931	.15665	.17654
#1	161350.	29379.	2173.1	5844.0
#2	161790.	30520.	2168.3	5829.4

Sample Name: jb67931-3f 2 Acquired: 6/4/2014 0:52:51 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.1942**	**.0000**	**.0001**	**.0002**	**.0000**	**.0004**	**1.011**	**.0007**
Stddev	.0098	.0000	.0001	.0000	.0002	.0003	.000	.0002
%RSD	5.067	192.1	149.2	3.239	2196.	73.48	.0214	30.11
#1	.2012	.0000	.0002	.0002	-.0001	.0002	1.011	.0005
#2	.1873	.0000	.0000	.0002	.0002	.0006	1.011	.0008

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0007**	**.0000**	**.0013**	**.0169**	F **-.0025**	**.0009**	**.0008**	**.0002**
Stddev	.0016	.000	.0006	.0009	.0020	.0004	.0002	.0002
%RSD	216.1	152.9	43.32	5.120	78.68	44.72	31.18	105.0
#1	-.0018	-.0001	.0017	.0163	-.0011	.0006	.0006	.0004
#2	.0004	.0000	.0009	.0175	-.0039	.0012	.0010	.0001

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0497**	**22.00**	**4.935**	**7.612**	**1.757**	**27.44**	**.0380**	**.0002**
Stddev	.0008	1.23	.257	.425	.110	1.37	.0002	.0001
%RSD	1.612	5.575	5.212	5.584	6.267	4.987	.5182	58.89
#1	.0491	22.87	5.117	7.913	1.835	28.41	.0382	.0003
#2	.0502	21.14	4.753	7.312	1.679	26.47	.0379	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**6.670**	**-.0004**	**.1255**	**.0004**	**-.0004**	**-.0007**	**7.476**
Stddev	.0005	.028	.0007	.0069	.0005	.0010	.0006	.036
%RSD	692.7	.4263	150.9	5.464	137.2	247.4	86.63	.4807
#1	-.0003	6.690	.0000	.1303	.0007	-.0011	-.0003	7.502
#2	.0004	6.650	-.0009	.1206	.0000	.0003	-.0011	7.451

Elem	Bi2230	Li6707
Avg	**-.0006**	**.0127**
Stddev	.0001	.0005
%RSD	12.14	3.860
#1	-.0007	.0130
#2	-.0006	.0123

Sample Name: jb67931-3f 2 Acquired: 6/4/2014 0:52:51 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**157720.**	*****	**2093.2**	**5667.9**
Stddev	398.	-----	5.1	18.1
%RSD	.25265	-----	.24586	.31918
#1	158000.	-----	2089.5	5655.1
#2	157440.	30019.	2096.8	5680.7

Zoom In Zoom Out

Sample Name: jb67959-6 Acquired: 6/4/2014 0:58:49 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0773**	**.0005**	**.0005**	**.0021**	**.0208**	**.0726**	**.0552**	**.0081**	**.0012**
Stddev	.0000	.0000	.0000	.0001	.0001	.0003	.0002	.0030	.0002
%RSD	.0335	3.350	6.004	3.759	.7134	.4055	.2841	37.72	13.53
#1	.0774	.0005	.0005	.0021	.0207	.0724	.0553	.0059	.0013
#2	.0773	.0005	.0005	.0020	.0209	.0729	.0551	.0102	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0333**	**.0753**	**.0169**	**-.0017**	**.0213**	**.0073**	**.0010**	**14.83**	**83.62**
Stddev	.0001	.0483	.0007	.0013	.0029	.0005	.0004	.05	.01
%RSD	.1784	64.12	4.194	75.18	13.66	7.001	45.76	.3133	.0146
#1	.0334	.0412	.0164	-.0008	.0192	.0070	.0013	14.79	83.63
#2	.0333	.1094	.0174	-.0026	.0233	.0077	.0007	14.86	83.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**21.38**	**15.17**	**4.741**	**551.8**	**.0484**	**.0467**	**.0057**	**13.19**	**-.0009**
Stddev	.02	.01	.009	3.7	.0006	.0001	.0011	.04	.0002
%RSD	.1087	.0527	.1835	.6727	1.300	.1674	19.06	.3003	19.27
#1	21.36	15.16	4.735	549.2	.0480	.0467	.0049	13.22	-.0010
#2	21.39	15.17	4.748	554.4	.0489	.0468	.0064	13.16	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4865**	**.0879**	**-.0002**	**.0343**	**17.22**	**-.0010**	**.0041**
Stddev	.0013	.0003	.0002	.0001	.06	.0003	.0005
%RSD	.2633	.3330	155.1	.3218	.3625	34.49	11.98
#1	.4856	.0882	-.0003	.0343	17.18	-.0007	.0045
#2	.4874	.0877	.0000	.0344	17.27	-.0012	.0038

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**148290.**	**29726.**	**1976.2**	**4965.6**
Stddev	257.	13.	24.1	37.3
%RSD	.17342	.04236	1.2205	.75085
#1	148470.	29717.	1959.2	4939.2
#2	148110.	29735.	1993.3	4992.0

Zoom In Zoom Out

Sample Name: mp79672-mb4 3 Acquired: 6/4/2014 1:04:52 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0035**	**.0000**	**.0001**	**.0003**	**.0021**	**.0024**	**.0202**	**.0043**	**.0000**
Stddev	.0003	.0000	.0001	.0000	.0001	.0001	.0000	.0002	.0001
%RSD	9.176	67.97	208.7	13.42	2.900	5.880	.0355	3.800	318.1
#1	.0032	.0000	.0001	.0002	.0020	.0025	.0202	.0041	.0001
#2	.0037	.0000	.0000	.0003	.0021	.0023	.0201	.0044	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0104**	**-.0007**	**-.0014**	**.0011**	**.0033**	**.0008**	**.0707**	**5.443**
Stddev	.0002	.0000	.0011	.0000	.0001	.0000	.0009	.0047	.013
%RSD	165.2	.2312	159.2	1.626	8.665	.5703	110.6	6.695	.2471
#1	.0003	.0104	-.0015	-.0014	.0011	.0033	.0015	.0674	5.433
#2	.0000	.0104	.0001	-.0014	.0012	.0033	.0002	.0741	5.452

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0637**	**.2982**	**.0529**	**1.348**	**.0354**	**.0000**	**.0000**	**2.191**	**.0002**
Stddev	.0019	.0024	.0078	.005	.0004	.0002	.000	.009	.0000
%RSD	2.932	.8052	14.69	.3826	1.174	515.4	470.3	.4221	30.24
#1	.0651	.2999	.0584	1.345	.0357	.0002	.0001	2.197	.0001
#2	.0624	.2965	.0474	1.352	.0351	-.0001	-.0001	2.184	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0520**	**.0014**	**-.0026**	**.0000**	**.9840**	**-.0012**	**.0015**
Stddev	.0001	.0001	.0002	.000	.0052	.0002	.0000
%RSD	.2612	8.469	5.846	58.83	.5308	15.89	2.662
#1	.0521	.0013	-.0025	.0000	.9877	-.0013	.0016
#2	.0519	.0014	-.0027	.0000	.9804	-.0011	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160910.**	**30467.**	**2132.1**	**5813.2**
Stddev	57.	116.	8.1	16.0
%RSD	.03515	.38190	.37892	.27555
#1	160870.	30549.	2126.4	5801.9
#2	160950.	30385.	2137.8	5824.5

Zoom In Zoom Out

Sample Name: mp79672-lc2 Acquired: 6/4/2014 1:10:52 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5015**	**.5122**	**.5089**	**.5029**	**.5320**	**.4834**	**.5388**	**.5222**	**.1973**
Stddev	.0209	.0199	.0018	.0028	.0014	.0017	.0007	.0026	.0002
%RSD	4.163	3.880	.3629	.5529	.2630	.3443	.1298	.4915	.1259
#1	.4868	.4982	.5076	.5010	.5310	.4846	.5383	.5204	.1975
#2	.5163	.5263	.5102	.5049	.5330	.4822	.5392	.5240	.1972

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5119**	**.5576**	**.5121**	**.5275**	**.5698**	**.5048**	**.5012**	**5.001**	**5.592**
Stddev	.0007	.0012	.0012	.0007	.0012	.0028	.0002	.196	.227
%RSD	.1387	.2085	.2353	.1272	.2174	.5525	.0477	3.918	4.056
#1	.5114	.5568	.5112	.5270	.5689	.5028	.5010	4.862	5.431
#2	.5124	.5584	.5129	.5280	.5707	.5068	.5014	5.139	5.752

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.681**	**5.428**	**9.923**	**10.11**	**.0015**	**.5111**	**.0007**	**.0049**	**.0008**
Stddev	.221	.200	.368	.39	.0006	.0009	.0001	.0001	.0009
%RSD	3.898	3.685	3.712	3.896	38.80	.1784	12.72	2.331	115.1
#1	5.524	5.287	9.663	9.836	.0019	.5105	.0007	.0049	.0014
#2	5.837	5.569	10.18	10.39	.0011	.5118	.0006	.0050	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5202**	**.0024**	**.0002**	**.0015**	**-.0074**	**.0007**
Stddev	.0000	.0004	.0000	.0002	.0000	.0009	.0001
%RSD	10.09	.0837	1.454	68.20	.3184	11.95	20.14
#1	-.0001	.5205	.0023	.0001	.0015	-.0080	.0006
#2	-.0002	.5199	.0024	.0004	.0015	-.0068	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**158590.**	**30527.**	**2110.0**	**5747.7**
Stddev	129.	925.	1.3	10.9
%RSD	.08126	3.0296	.05974	.18999
#1	158680.	31181.	2110.9	5755.4
#2	158500.	29873.	2109.2	5740.0

Zoom In Zoom Out

Sample Name: jb67698-18 Acquired: 6/4/2014 1:16:43 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0528**	**.0009**	**.0005**	**.0035**	**.0292**	**.0090**	**.0438**	**.0079**
Stddev	.0001	.0000	.0001	.0001	.0001	.0001	.0003	.0001
%RSD	.2422	3.196	25.05	2.741	.2631	.5577	.7922	1.186
#1	.0529	.0009	.0004	.0034	.0292	.0089	.0435	.0078
#2	.0527	.0010	.0006	.0036	.0293	.0090	.0440	.0080

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0018**	**.0393**	**.0374**	**.0134**	F **-.0075**	**.0159**	**.0026**	**.0021**
Stddev	.0002	.0001	.0002	.0006	.0009	.0003	.0011	.0007
%RSD	13.91	.3093	.5952	4.816	11.91	2.188	44.06	33.66
#1	.0020	.0392	.0372	.0139	-.0069	.0156	.0018	.0026
#2	.0016	.0394	.0376	.0130	-.0081	.0161	.0034	.0016

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**16.01**	**2.111**	**19.18**	**1.710**	**1.796**	**2.286**	**.0825**	**.0004**
Stddev	.05	.000	.00	.010	.023	.016	.0001	.0001
%RSD	.2892	.0022	.0148	.5689	1.266	.6958	.1177	23.69
#1	16.04	2.111	19.18	1.703	1.780	2.297	.0825	.0003
#2	15.98	2.111	19.17	1.717	1.812	2.275	.0824	.0005

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0016**	**22.76**	**-.0022**	**.0083**	**.2208**	**.0001**	**.0009**	**1.115**
Stddev	.0010	.02	.0002	.0000	.0011	.0004	.0000	.007
%RSD	59.12	.1093	10.63	.1510	.5113	363.6	4.365	.6225
#1	.0023	22.78	-.0023	.0083	.2200	.0004	.0010	1.120
#2	.0009	22.74	-.0020	.0083	.2216	-.0002	.0009	1.110

Elem	Bi2230	Li6707
Avg	**-.0035**	**.0116**
Stddev	.0000	.0003
%RSD	1.290	3.006
#1	-.0035	.0118
#2	-.0035	.0113

Zoom In Zoom Out

Sample Name: jb67698-18 Acquired: 6/4/2014 1:16:43 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**161770.**	**30927.**	**2135.1**	**5777.7**
Stddev	546.	13.	.4	.1
%RSD	.33752	.04054	.02071	.00251
#1	162150.	30918.	2134.8	5777.6
#2	161380.	30936.	2135.4	5777.8

Zoom In Zoom Out

Sample Name: jb67698-34 Acquired: 6/4/2014 1:22:42 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0197**	**.0001**	**.0001**	**.0008**	**.0051**	**.0150**	**.0288**	**.0040**
Stddev	.0014	.0000	.0000	.0000	.0001	.0001	.0002	.0000
%RSD	7.209	8.806	30.44	3.620	2.393	.9680	.5599	.4084
#1	.0207	.0001	.0001	.0008	.0050	.0149	.0287	.0040
#2	.0187	.0001	.0002	.0008	.0052	.0151	.0289	.0040

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0006**	**.0073**	**.0146**	**.0015**	F **-.0026**	**.0203**	**.0032**	**.0011**
Stddev	.0002	.0000	.0001	.0003	.0009	.0001	.0002	.0000
%RSD	34.51	.3716	.6893	18.45	32.95	.3850	4.821	1.765
#1	.0008	.0073	.0145	.0013	-.0032	.0203	.0033	.0011
#2	.0005	.0073	.0146	.0017	-.0020	.0202	.0031	.0011

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**2.021**	**7.001**	**3.429**	**1.503**	**2.422**	**1.212**	**.0347**	**.0005**
Stddev	.133	.438	.224	.107	.172	.071	.0001	.0000
%RSD	6.576	6.249	6.530	7.086	7.081	5.842	.2822	1.570
#1	2.115	7.311	3.587	1.578	2.543	1.262	.0348	.0005
#2	1.927	6.692	3.271	1.428	2.301	1.161	.0347	.0005

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0008**	**5.478**	**.0000**	**.0289**	**.0531**	**-.0026**	**.0003**	**1.148**
Stddev	.0006	.038	.001	.0018	.0000	.0005	.0000	.002
%RSD	75.70	.6988	2830.	6.201	.0823	18.20	7.446	.1383
#1	.0004	5.451	-.0005	.0302	.0531	-.0029	.0003	1.147
#2	.0012	5.505	.0005	.0276	.0530	-.0023	.0003	1.149

Elem	Bi2230	Li6707
Avg	**-.0011**	**.0016**
Stddev	.0005	.0001
%RSD	44.58	5.229
#1	-.0007	.0015
#2	-.0014	.0016

Zoom In Zoom Out

Sample Name: jb67698-34 Acquired: 6/4/2014 1:22:42 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160840.**	**31463.**	**2115.1**	**5757.2**
Stddev	196.	1673.	14.4	34.2
%RSD	.12203	5.3179	.68079	.59467
#1	160970.	30280.	2125.2	5781.4
#2	160700.	32646.	2104.9	5733.0

Zoom In Zoom Out

Sample Name: mp79718-mb1 3 Acquired: 6/4/2014 1:28:41 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0045**	**.0000**	**.0000**	**.0000**	**.0001**	**.0008**	**.0048**	**.0036**	**.0001**
Stddev	.0002	.0000	.0000	.000	.0001	.0002	.0000	.0002	.0001
%RSD	4.188	44.88	51.25	291.8	50.39	19.07	.2488	4.838	109.7
#1	.0046	.0000	.0000	-.0001	.0002	.0009	.0048	.0035	.0000
#2	.0043	.0001	.0000	.0000	.0001	.0007	.0048	.0037	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0038**	**-.0005**	**-.0018**	**.0014**	**.0015**	**.0016**	**.0000**	**.2813**
Stddev	.0001	.0001	.0002	.0002	.0000	.0005	.0001	.0016	.0011
%RSD	65.52	2.248	35.65	13.34	.9040	33.43	7.671	22950.	.3883
#1	-.0002	.0039	-.0007	-.0016	.0014	.0011	.0015	.0012	.2805
#2	-.0001	.0038	-.0004	-.0020	.0014	.0018	.0017	-.0011	.2821

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0058**	**.0831**	**-.0220**	**.6029**	**-.0012**	**.0001**	**.0000**	**2.332**	**-.0001**
Stddev	.0010	.0117	.0376	.0040	.0003	.0002	.0007	.014	.0002
%RSD	17.66	14.07	170.9	.6581	25.69	152.5	2685.	.6008	150.0
#1	.0065	.0749	.0046	.6057	-.0014	.0002	.0005	2.341	-.0003
#2	.0051	.0914	-.0486	.6001	-.0010	.0000	-.0004	2.322	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0257**	**.0000**	**-.0027**	**-.0004**	**.0022**	**-.0008**	**.0008**
Stddev	.0001	.0002	.0007	.0001	.0012	.0005	.0002
%RSD	.2417	461.2	26.92	31.88	55.81	59.67	31.83
#1	.0256	-.0001	-.0022	-.0003	.0013	-.0005	.0009
#2	.0257	.0002	-.0032	-.0005	.0031	-.0011	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159440.**	**30120.**	**2110.2**	**5748.8**
Stddev	86.	13.	9.2	9.5
%RSD	.05403	.04271	.43737	.16525
#1	159500.	30111.	2103.7	5742.1
#2	159380.	30129.	2116.7	5755.5

Zoom In Zoom Out

Sample Name: mp79718-b1 Acquired: 6/4/2014 1:34:42 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.049**	**.0538**	**.0479**	**.5260**	**.2189**	**.2429**	**.5616**	**.5468**	**.0422**
Stddev	.002	.0000	.0002	.0027	.0005	.0008	.0017	.0028	.0002
%RSD	.1095	.0705	.3587	.5044	.2302	.3395	.3030	.5068	.5264
#1	2.051	.0539	.0478	.5241	.2192	.2423	.5628	.5448	.0420
#2	2.048	.0538	.0480	.5279	.2185	.2435	.5604	.5487	.0424

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5200**	**.5791**	**2.112**	**2.171**	**2.397**	**2.087**	**.5197**	**2.057**	**.2413**
Stddev	.0006	.0030	.011	.010	.012	.009	.0004	.009	.0017
%RSD	.1218	.5245	.5157	.4476	.5056	.4170	.0749	.4591	.7084
#1	.5204	.5770	2.104	2.164	2.388	2.081	.5195	2.064	.2426
#2	.5195	.5813	2.119	2.178	2.405	2.093	.5200	2.050	.2401

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.112**	**.0977**	**-.0076**	**.7232**	**-.0016**	**.0011**	**.0002**	**2.829**	**.0004**
Stddev	.006	.0008	.0053	.0005	.0004	.0000	.0003	.011	.0001
%RSD	.5876	.8640	70.57	.0736	23.60	1.586	187.6	.3814	21.25
#1	1.116	.0971	-.0113	.7228	-.0019	.0011	-.0001	2.821	.0004
#2	1.107	.0983	-.0038	.7235	-.0014	.0011	.0004	2.837	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0264**	**.0013**	**.0006**	**-.0018**	**.0029**	**-.0030**	**.0006**
Stddev	.0001	.0002	.0008	.0001	.0002	.0007	.0003
%RSD	.2117	18.15	150.7	6.971	5.250	24.42	43.67
#1	.0264	.0011	.0000	-.0017	.0030	-.0025	.0004
#2	.0263	.0015	.0012	-.0019	.0028	-.0035	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**159370.**	**30111.**	**2097.4**	**5718.8**
Stddev	587.	62.	4.5	19.0
%RSD	.36822	.20474	.21650	.33172
#1	158960.	30067.	2100.6	5732.2
#2	159790.	30155.	2094.2	5705.4

Zoom In Zoom Out

Sample Name: jb67698-55a Acquired: 6/4/2014 1:40:35 Type: Unk
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0008**	**.0000**	**.0000**	**-.0002**	**.0007**	**.0007**	**.0001**	**-.0001**	**.0002**
Stddev	.0001	.0000	.0000	.0003	.0002	.0001	.0000	.0001	.0001
%RSD	14.34	249.4	10.38	181.1	30.49	11.65	61.58	227.6	42.41
#1	.0009	.0000	.0000	.0000	.0008	.0006	.0000	.0000	.0002
#2	.0008	.0000	.0000	-.0004	.0005	.0007	.0001	-.0002	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0013**	**-.0016**	**-.0004**	**.0001**	**.0027**	**.0011**	**.0120**	**.2109**
Stddev	.000	.0001	.0004	.0002	.0003	.0040	.0004	.0098	.0085
%RSD	130.9	9.664	23.63	41.67	191.6	146.3	37.86	81.97	4.009
#1	.0000	.0012	-.0014	-.0005	.0003	-.0001	.0008	.0189	.2169
#2	-.0001	.0013	-.0019	-.0003	.0000	.0055	.0014	.0050	.2049

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0059**	**.0521**	**-.0010**	**7.213**	**.0447**	**.0001**	**.0002**	**.2780**	**.0004**
Stddev	.0013	.0046	.0078	.354	.0004	.0002	.0005	.0010	.0002
%RSD	22.41	8.815	788.2	4.905	.9854	236.9	303.1	.3717	61.46
#1	.0068	.0488	-.0065	7.463	.0444	.0002	-.0002	.2773	.0006
#2	.0049	.0553	.0045	6.963	.0451	.0000	.0005	.2787	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0007**	**-.0033**	**.0001**	**.4798**	**-.0010**	**.0007**
Stddev	.0000	.0002	.0011	.0000	.0056	.0001	.0008
%RSD	12.27	27.87	33.23	29.19	1.164	7.002	112.7
#1	.0002	.0005	-.0041	.0001	.4759	-.0009	.0013
#2	.0002	.0008	-.0025	.0001	.4838	-.0010	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**160280.**	**29748.**	**2103.4**	**5740.0**
Stddev	946.	1212.	10.5	25.6
%RSD	.59040	4.0725	.50052	.44582
#1	160950.	28891.	2110.8	5758.1
#2	159610.	30605.	2095.9	5721.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 1:46:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**2.086**	**2.060**	**2.064**	**2.081**	**2.013**	**2.126**	**2.087**	**.2489**
Stddev	.002	.003	.023	.019	.009	.004	.006	.019	.0004
%RSD	.0769	.1239	1.138	.9411	.4342	.1921	.2830	.8969	.1663
#1	2.042	2.084	2.076	2.078	2.088	2.010	2.130	2.100	.2486
#2	2.044	2.087	2.043	2.050	2.075	2.016	2.121	2.073	.2492
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	**2.052**	**2.104**	**2.038**	**2.107**	**2.086**	**2.041**	**2.043**	**39.69**	**40.41**
Stddev	.005	.019	.023	.023	.018	.023	.028	.04	.02
%RSD	.2619	.9093	1.118	1.113	.8396	1.121	1.352	.1062	.0467
#1	2.056	2.118	2.054	2.123	2.099	2.057	2.063	39.66	40.40
#2	2.049	2.090	2.022	2.090	2.074	2.025	2.024	39.72	40.42
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	**40.29**	**39.83**	**39.49**	**40.15**	**2.039**	**2.072**	**1.999**	**5.041**	**2.085**
Stddev	.05	.04	.07	.13	.022	.024	.002	.057	.023
%RSD	.1299	.1108	.1776	.3162	1.101	1.148	.1065	1.124	1.115
#1	40.26	39.79	39.44	40.06	2.055	2.089	1.998	5.081	2.101
#2	40.33	39.86	39.54	40.24	2.023	2.055	2.001	5.001	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: 6/4/2014 1:46:38 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**2.049**	**1.951**	**1.983**	**1.980**	**2.017**	**2.005**
Stddev	.004	.001	.013	.002	.025	.025	.005
%RSD	.1832	.0551	.6817	.0927	1.250	1.220	.2552
#1	2.056	2.050	1.960	1.984	1.997	2.035	2.002
#2	2.061	2.048	1.941	1.982	1.962	2.000	2.009
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	**154740.**	**29618.**	**2061.4**	**5513.2**
Stddev	10.	35.	20.4	43.6
%RSD	.00626	.11944	.99120	.79142
#1	154740.	29643.	2047.0	5482.4
#2	154750.	29593.	2075.9	5544.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 1:52:29 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0002**	**-.0001**	**.0003**	**.0005**	**.0001**	**.0005**	**.0000**
Stddev	.0000	.0000	.0001	.0002	.0001	.0002	.0000	.0001	.0001
%RSD	28.33	.1873	51.03	169.9	42.79	44.38	4.810	9.905	658.5
#1	.0002	.0001	.0001	-.0002	.0003	.0003	.0001	.0005	.0001
#2	.0001	.0001	.0003	.0000	.0002	.0006	.0001	.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**	**.0006**	**.0003**	**-.0009**	**-.0010**	**-.0017**	**.0006**	**-.0051**	**.0077**
Stddev	.0000	.0001	.0005	.0005	.0004	.0003	.0003	.0016	.0007
%RSD	18.52	15.95	174.3	55.10	36.34	17.77	49.81	31.07	8.680
#1	.0001	.0005	.0006	-.0012	-.0007	-.0015	.0009	-.0040	.0072
#2	.0002	.0006	-.0001	-.0005	-.0013	-.0019	.0004	-.0062	.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036**	**.0124**	**-.0328**	**.0051**	**-.0021**	**.0001**	**.0001**	**.0011**	**.0001**
Stddev	.0001	.0074	.0214	.0014	.0000	.0000	.0003	.0003	.0007
%RSD	1.592	59.70	65.30	27.59	.0702	2.942	299.4	27.04	492.1
#1	.0035	.0176	-.0479	.0061	-.0021	.0001	-.0001	.0013	-.0003
#2	.0036	.0072	-.0176	.0041	-.0021	.0001	.0003	.0009	.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: 6/4/2014 1:52:29 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0060**	**.0003**	**.0012**	**.0007**	**.0006**
Stddev	.0000	.0001	.0001	.0000	.0011	.0005	.0003
%RSD	16.41	17.29	1.454	7.861	90.34	65.57	46.36
#1	.0001	.0005	.0061	.0003	.0004	.0004	.0009
#2	.0001	.0004	.0060	.0003	.0020	.0010	.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	**159140.**	**30262.**	**2124.2**	**5739.8**
Stddev	160.	42.	7.1	6.3
%RSD	.10026	.13939	.33623	.10918
#1	159250.	30232.	2119.2	5735.4
#2	159030.	30292.	2129.3	5744.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 1:58:33 Type: QC
Method: Accutest1(v112) 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	**.2017**	**.0022**	**.0032**	**.0532**	**.0111**	**.0099**	**.0165**	**.0111**
Stddev	.0006	.0000	.0000	.0000	.0001	.0000	.0001	.0001
%RSD	.2848	.7871	.3947	.0602	1.335	.2639	.4878	.6434
#1	.2012	.0022	.0032	.0533	.0112	.0098	.0164	.0112
#2	.2021	.0022	.0032	.0532	.0110	.0099	.0166	.0111
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	**.0053**	**.0539**	W **.0240**	W **.0097**	W **.0122**	W **.0039**	W **.0128**	W **.0075**
Stddev	.0002	.0004	.0001	.0018	.0006	.0001	.0007	.0002
%RSD	4.340	.7192	.2881	18.84	4.696	1.541	5.699	2.767
#1	.0051	.0537	.0240	.0084	.0118	.0038	.0123	.0076
#2	.0055	.0542	.0241	.0110	.0127	.0039	.0134	.0073
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Warn	Chk Warn	Chk Warn
Value			.0200	.0080	.0100	.0030	.0100	.0060
Range			20.00%	20.00%	20.00%	20.00%	20.00%	20.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2159**	**5.055**	**.1075**	**5.032**	**5.021**	**5.004**	**.1016**	**.0213**
Stddev	.0037	.009	.0012	.024	.002	.003	.0006	.0002
%RSD	1.693	.1816	1.076	.4830	.0452	.0515	.6183	.9029
#1	.2185	5.062	.1067	5.015	5.023	5.002	.1020	.0214
#2	.2134	5.049	.1083	5.050	5.019	5.006	.1011	.0211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 1:58:33 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0470**	**.2129**	**.0106**	**.0105**	**.0111**	F **.0067**	**.0106**	**.0495**
Stddev	.0006	.0009	.0006	.0000	.0001	.0002	.0000	.0001
%RSD	1.373	.4157	5.659	.0836	1.220	2.857	.0875	.1900
#1	.0475	.2135	.0102	.0105	.0110	.0066	.0106	.0496
#2	.0466	.2123	.0110	.0105	.0112	.0068	.0106	.0494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value						.0500		
Range						-30.00%		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0216**	**.0219**
Stddev	.0001	.0003
%RSD	.5071	1.498
#1	.0216	.0216
#2	.0217	.0221
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	**159630.**	**30456.**	**2111.8**	**5713.1**
Stddev	642.	52.	3.9	3.9
%RSD	.40217	.17049	.18239	.06829
#1	160080.	30419.	2109.0	5710.3
#2	159170.	30493.	2114.5	5715.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 2:04:33 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0010**	**.0031**	**.0022**	**.0020**	**.0033**	**.0045**
Stddev	.0001	.0000	.0001	.0001	.0001	.0000	.0001	.0002
%RSD	1.294	1.666	10.44	3.253	4.911	1.890	2.424	3.638
#1	.0042	.0010	.0011	.0030	.0021	.0020	.0032	.0046
#2	.0043	.0011	.0009	.0031	.0023	.0020	.0033	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0023**	W **.0127**	**.0033**	**.0016**	F **.0034**	F **.0030**	**.0034**
Stddev	.0000	.0003	.0001	.0001	.0000	.0010	.0015	.0006
%RSD	5.114	12.20	.8650	1.750	1.877	29.42	51.06	16.95
#1	.0009	.0021	.0128	.0033	.0016	.0027	.0019	.0030
#2	.0009	.0025	.0126	.0033	.0016	.0042	.0041	.0038
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value			.0100			.0025	.0050	
Range			20.00%			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	**.1021**	**1.051**	**.0007**	**.1109**	**1.981**	**1.049**	W **.0080**	**.0000**
Stddev	.0143	.004	.0006	.0145	.004	.006	.0003	.0002
%RSD	13.96	.4138	82.99	13.11	.1909	.5770	3.711	682.7
#1	.1122	1.054	.0011	.1006	1.978	1.053	.0082	.0002
#2	.0920	1.048	.0003	.1212	1.983	1.045	.0078	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None
Value							.0100	
Range							-20.00%	

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 2:04:33 Type: QC
Method: Accutest1(v112) 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**	**.0009**	**.0002**	**-.0001**	**.0002**	F **.0004**	F **.0000**	F **-.0007**
Stddev	.0004	.0002	.0002	.0000	.0001	.0002	.000	.0014
%RSD	280.9	18.13	100.1	52.17	52.47	50.11	1562.	209.5
#1	.0004	.0010	.0003	-.0001	.0001	.0006	.0001	-.0017
#2	-.0001	.0008	.0001	.0000	.0003	.0003	-.0002	.0003
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0003**	F **.0011**
Stddev	.0010	.0000
%RSD	375.7	3.470
#1	-.0010	.0012
#2	.0004	.0011
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	**160670.**	**30266.**	**2138.1**	**5780.8**
Stddev	210.	73.	.8	2.9
%RSD	.13065	.24140	.03846	.05083
#1	160820.	30214.	2138.7	5778.8
#2	160520.	30318.	2137.5	5782.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 2:10:37 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0001**	**-.0002**	**.0000**	**.0002**	**.0003**
Stddev	.0001	.0000	.0000	.0001	.0000	.0004	.000	.0000	.0002
%RSD	94.75	70.76	21.86	847.0	3.729	206.5	80.77	5.011	64.14
#1	.0000	.0000	-.0003	-.0001	.0001	.0001	.0000	.0002	.0004
#2	.0001	.0000	-.0002	.0001	.0001	-.0004	.0000	.0002	.0002
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0010**	**.0196**	**-.0005**	**.0242**	**.0208**	**.0212**	**.4982**	**.0108**
Stddev	.0000	.0001	.0001	.0002	.0000	.0006	.0006	.0027	.0011
%RSD	25.04	8.751	.6387	32.43	.0890	2.747	3.035	.5406	10.05
#1	.0001	.0009	.0195	-.0007	.0242	.0212	.0207	.4963	.0115
#2	.0000	.0011	.0197	-.0004	.0242	.0204	.0216	.5001	.0100
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	**.5232**	**-.0005**	**-.0529**	**.0069**	**-.0030**	**-.0001**	**.0003**	**-.0024**	**.0004**
Stddev	.0007	.0102	.0259	.0010	.0005	.0002	.0003	.0006	.0004
%RSD	.1278	1937.	48.89	13.85	15.13	193.9	108.8	25.21	105.0
#1	.5236	.0067	-.0712	.0076	-.0027	-.0002	.0005	-.0020	.0007
#2	.5227	-.0077	-.0346	.0062	-.0033	.0000	.0001	-.0028	.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 2:10:37 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0009**	**.0000**	**.0021**	**.0001**	**.0002**
Stddev	.0000	.0000	.0009	.000	.0009	.0002	.0003
%RSD	86.55	4.966	100.7	11090.	44.24	146.9	155.6
#1	.0000	.0004	-.0003	.0001	.0015	.0002	.0004
#2	.0001	.0004	-.0016	-.0001	.0028	.0000	.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	**162740.**	**30867.**	**2156.7**	**5825.2**
Stddev	261.	5.	1.5	5.0
%RSD	.16016	.01500	.06883	.08501
#1	162560.	30871.	2155.7	5821.7
#2	162930.	30864.	2157.8	5828.7

Sample Name: icsa Acquired: 6/4/2014 2:16:42 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0021**	**-.0002**	**-.0001**	**.0029**	**.0002**	**-.0005**	**.0023**
Stddev	.0002	.0000	.0001	.0000	.0003	.0002	.0000	.0001	.0010
%RSD	94.65	816.9	5.299	6.279	342.0	6.631	18.93	24.04	44.19
#1	-.0003	.0000	.0020	-.0002	.0001	.0027	.0001	-.0004	.0016
#2	-.0001	.0000	.0022	-.0002	-.0003	.0030	.0002	-.0006	.0030
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**	**-.0004**	**.0010**	**.0003**	**-.0030**	**.0025**	**.0051**	**524.1**	**405.3**
Stddev	.0001	.0003	.0014	.0028	.0014	.0057	.0022	.8	.5
%RSD	15.51	68.00	138.4	1117.	45.70	229.8	43.14	.1498	.1218
#1	.0009	-.0002	.0020	-.0017	-.0020	-.0015	.0036	524.6	404.9
#2	.0007	-.0006	.0000	.0022	-.0040	.0065	.0067	523.5	405.6
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	**200.6**	**568.4**	**.1017**	**.0246**	**-.0038**	**-.0046**	**.0059**	**.0110**	**.0003**
Stddev	.8	.8	.0207	.0036	.0000	.0002	.0007	.0014	.0009
%RSD	.3876	.1371	20.35	14.83	1.197	3.517	12.73	12.40	264.3
#1	200.0	569.0	.0871	.0271	-.0038	-.0047	.0053	.0119	.0009
#2	201.1	567.9	.1163	.0220	-.0038	-.0044	.0064	.0100	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: icsa Acquired: 6/4/2014 2:16:42 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0066**	**.0000**	**.0084**	**.0068**	**-.0714**	**.0151**	**.0010**
Stddev	.0001	.0002	.0004	.0002	.0002	.0014	.0005
%RSD	1.359	905.5	4.619	3.047	.3489	9.531	51.45
#1	-.0066	.0002	.0082	.0067	-.0712	.0141	.0014
#2	-.0067	-.0001	.0087	.0069	-.0716	.0161	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**144020.**	**27749.**	**1879.3**	**4883.4**
Stddev	235.	16.	12.8	31.2
%RSD	.16285	.05818	.68176	.63943
#1	144180.	27737.	1888.3	4905.5
#2	143850.	27760.	1870.2	4861.3

Sample Name: icsab Acquired: 6/4/2014 2:22:58 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5363**	**.5337**	**1.056**	**.4964**	**.4827**	**.5452**	**.5074**	**.9992**	**1.057**
Stddev	.0045	.0049	.002	.0002	.0013	.0012	.0009	.0024	.000
%RSD	.8401	.9250	.1549	.0417	.2607	.2203	.1744	.2415	.0118
#1	.5331	.5302	1.057	.4966	.4818	.5460	.5068	1.001	1.057
#2	.5395	.5372	1.055	.4963	.4835	.5443	.5080	.9975	1.057
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	**.4866**	**.9988**	**1.099**	**.9771**	**1.021**	**1.083**	**1.052**	**526.9**	**405.9**
Stddev	.0009	.0012	.001	.0037	.000	.005	.005	8.3	3.5
%RSD	.1934	.1239	.1223	.3805	.0007	.4822	.4743	1.567	.8608
#1	.4859	.9997	1.100	.9797	1.021	1.080	1.056	521.1	403.4
#2	.4872	.9979	1.098	.9744	1.021	1.087	1.049	532.7	408.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**200.4**	**584.6**	**.0745**	**.0224**	**-.0018**	**.5074**	**.5664**	**.0020**	**.0021**
Stddev	2.2	6.1	.0099	.0020	.0005	.0008	.0018	.0014	.0003
%RSD	1.116	1.043	13.31	9.080	29.92	.1549	.3208	72.57	14.67
#1	198.8	580.3	.0675	.0210	-.0014	.5080	.5677	.0010	.0023
#2	202.0	588.9	.0815	.0238	-.0021	.5069	.5651	.0030	.0019
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Sample Name: icsab Acquired: 6/4/2014 2:22:58 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0067**	**.0004**	**.5661**	F **.6011**	**.4444**	**.5846**	**.5760**
Stddev	.0000	.0001	.0015	.0001	.0061	.0008	.0052
%RSD	.4616	11.82	.2642	.0087	1.363	.1337	.8959
#1	-.0067	.0004	.5671	.6012	.4487	.5852	.5724
#2	-.0067	.0005	.5650	.6011	.4401	.5841	.5797
Check ?	None	None	Chk Pass	Chk Fail	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	**144380.**	**27451.**	**1890.0**	**4928.0**
Stddev	195.	335.	6.4	7.4
%RSD	.13486	1.2199	.33969	.15005
#1	144520.	27687.	1885.5	4922.8
#2	144250.	27214.	1894.6	4933.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 2:29:08 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.096**	**2.121**	**2.112**	**2.084**	**2.007**	**2.136**	**2.139**	**.2512**
Stddev	.004	.008	.056	.050	.009	.001	.009	.050	.0009
%RSD	.2170	.3711	2.621	2.369	.4190	.0479	.3992	2.335	.3508
#1	2.051	2.101	2.160	2.147	2.091	2.007	2.142	2.174	.2518
#2	2.045	2.090	2.081	2.077	2.078	2.008	2.130	2.103	.2506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.075**	**2.160**	**2.097**	**2.152**	**2.135**	**2.114**	**2.101**	**40.17**	**40.72**
Stddev	.007	.051	.057	.053	.051	.051	.055	.14	.11
%RSD	.3545	2.364	2.728	2.470	2.370	2.407	2.599	.3580	.2661
#1	2.081	2.196	2.137	2.190	2.170	2.150	2.140	40.27	40.80
#2	2.070	2.124	2.056	2.115	2.099	2.078	2.063	40.06	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	**40.75**	**40.31**	**39.94**	**40.59**	**2.094**	**2.125**	**2.001**	**5.192**	**2.138**
Stddev	.09	.13	.14	.17	.057	.056	.002	.143	.057
%RSD	.2215	.3263	.3577	.4262	2.715	2.655	.0898	2.752	2.685
#1	40.81	40.40	40.04	40.71	2.135	2.164	2.002	5.293	2.178
#2	40.68	40.21	39.83	40.47	2.054	2.085	2.000	5.091	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: 6/4/2014 2:29:08 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.074**	**2.058**	**2.056**	**1.997**	**2.040**	**2.090**	**2.013**
Stddev	.005	.006	.052	.004	.058	.060	.009
%RSD	.2543	.3075	2.529	.2195	2.820	2.867	.4718
#1	2.078	2.062	2.093	2.000	2.081	2.133	2.020
#2	2.070	2.054	2.019	1.994	1.999	2.048	2.006
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	**153630.**	**29308.**	**2010.3**	**5385.2**
Stddev	75.	172.	46.2	112.9
%RSD	.04857	.58658	2.2985	2.0957
#1	153680.	29186.	1977.6	5305.4
#2	153570.	29429.	2043.0	5465.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 2:34:59 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0001**	**.0000**	**-.0001**	**.0002**	**.0000**	**.0000**	**.0001**
Stddev	.0001	.0000	.0001	.000	.0000	.0000	.000	.000	.0002
%RSD	36.40	120.4	54.21	79.02	24.82	22.39	14.86	4334.	146.2
#1	.0001	.0000	-.0001	.0000	-.0001	.0001	.0000	.0002	.0002
#2	.0002	.0000	-.0001	.0000	-.0001	.0002	-.0001	-.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	**.0001**	**.0001**	**.0000**	**-.0008**	**.0000**	**-.0031**	**.0003**	**-.0006**	**.0033**
Stddev	.0003	.0001	.0003	.0003	.0002	.0017	.0006	.0046	.0012
%RSD	454.1	60.81	109000.	34.37	1426.	53.36	198.4	756.1	37.28
#1	-.0001	.0001	-.0002	-.0010	.0002	-.0020	.0007	-.0039	.0042
#2	.0002	.0002	.0002	-.0006	-.0001	-.0043	-.0001	.0027	.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0029**	**-.0349**	**.0036**	**-.0024**	**.0002**	**.0006**	**.0024**	**-.0001**
Stddev	.0018	.0028	.0035	.0000	.0001	.0000	.0003	.0014	.0003
%RSD	97.08	98.73	10.14	1.020	2.160	7.754	55.96	57.48	320.6
#1	.0032	.0049	-.0374	.0036	-.0023	.0002	.0008	.0033	.0001
#2	.0006	.0009	-.0324	.0036	-.0024	.0002	.0003	.0014	-.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 2:34:59 Type: QC
Method: Accutest1(v112) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0065**	**.0003**	**-.0002**	**-.0010**	**-.0001**
Stddev	.0000	.0002	.0013	.0001	.0030	.0001	.0009
%RSD	101.2	61.73	19.74	35.10	1373.	8.606	978.4
#1	.0000	.0005	.0074	.0003	-.0024	-.0010	.0006
#2	.0000	.0002	.0056	.0002	.0019	-.0011	-.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	**160050.**	**30394.**	**2134.0**	**5769.7**
Stddev	70.	69.	89.9	232.3
%RSD	.04345	.22583	4.2132	4.0259
#1	160100.	30442.	2070.4	5605.5
#2	160010.	30345.	2197.5	5934.0

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
				Al	0.000000	0.000000	No
				Zr	0.001080	0.000000	No
	Be 313.042 {108}	☒	13	V	0.000649	0.000000	No
				Mo	-0.000037	0.000000	No
				Ti	-0.000287	0.000000	No
				Mn	0.000027	0.000000	No
				Ba	0.000015	0.000000	No
				Co	-0.000020	0.000000	No
				Ni	0.000004	0.000000	No
				Ca	0.000000	0.000000	No
				Cu	0.000034	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	0.000000	0.000000	No
				Cd	0.000050	0.000000	No
				W	0.000000	0.000000	No
	Cd 228.802 {448}	☒	13	As	0.005000	0.000000	No
				Ni	-0.000178	0.000000	No
				Fe	-0.000005	0.000000	No
				V	0.000050	0.000000	No
				Ba	-0.000047	0.000000	No
				Co	-0.000950	0.000000	No
				Sr	0.000100	0.000000	No
				Ca	-0.000003	0.000000	No
				Mn	-0.000021	0.000000	No
				Cr	0.000025	0.000000	No
				Si	-0.000005	0.000000	No
				Cu	-0.000026	0.000000	No
				Al	0.000000	0.000000	No
	Co 228.616 {448}	☒	10	Fe	0.000006	0.000000	No
				Cr	-0.000100	0.000000	No
				Mo	-0.000400	0.000000	No
				Ni	0.000256	0.000000	No
				Ti	0.001639	0.000000	No
				Ba	0.000062	0.000000	No
				W	0.000000	0.000000	No
				Cd	-0.000060	0.000000	No
				Si	0.000000	0.000000	No
				Ca	0.000000	0.000000	No
	Cr 267.716 {126}	☒	15	Mn	0.000402	0.000000	No
				V	0.000080	0.000000	No
				Mo	0.000018	0.000000	No
				Fe	-0.000009	0.000000	No
				Cd	-0.000050	0.000000	No
				Al	0.000001	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	0.000000	0.000000	No
				Ti	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Ba	-0.000005	0.000000	No
				Cu	0.000100	0.000000	No
				Sr	0.000000	0.000000	No
				W	0.004000	0.000000	No
				Zr	0.000280	0.000000	No
	Cu 324.754 {104}2	☒	22	Cr	0.000016	0.000000	No
				V	-0.000283	0.000000	No
				Mo	0.000406	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.000100	0.000000	No
				Fe	-0.000115	0.000000	No
				Al	0.000002	0.000000	No
				Sn	-0.000097	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000317	0.000000	No
				Zr	0.000000	0.000000	No
				Si	0.000009	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000060	0.000000	No
				Sb	0.000000	0.000000	No
				Mg	0.000002	0.000000	No
				Ca	-0.000001	0.000000	No
				Bi	0.000000	0.000000	No
				W	0.000000	0.000000	No
				K	0.000000	0.000000	No
	Mn 257.610 {131}	☒	8	Fe	-0.000101	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				As	0.000001	0.000000	No
				Ca	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Cr	-0.000100	0.000000	No
	Ni 231.604 {446}	☒	19	Fe	0.000017	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	0.000080	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000001	0.000000	No
				Mo	0.000485	0.000000	No
				V	0.000011	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.000040	0.000000	No
				Mn	-0.000080	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	14	Mn	0.000211	0.000000	No
				Mo	-0.000098	0.000000	No
				Ti	-0.000830	0.000000	No
				Fe	-0.000509	0.000000	No
				V	-0.000040	0.000000	No
				Zn	-0.000080	0.000000	No
				Ca	0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Sr	-0.000024	0.000000	No
				Mg	0.000001	0.000000	No
				Zr	0.005800	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Si	-0.000021	0.000000	No
				Ba	0.000006	0.000000	No
				K	0.000000	0.000000	No
	V 292.402 {115}	☒	7	Ti	0.000630	0.000000	No
				Mo	-0.013100	0.000000	No
				Fe	0.000011	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.002600	0.000000	No
				Mn	-0.000200	0.000000	No
				Zr	0.000170	0.000000	No
	Zn 206.200 {464}	☒	20	Cr	-0.001125	0.000000	No
				Mo	0.000260	0.000000	No
				Fe	-0.000008	0.000000	No
				Si	0.000065	0.000000	No
				Mn	0.000350	0.000000	No
				Ba	-0.000060	0.000000	No
				Na	0.000003	0.000000	No
				Ca	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Sn	0.000255	0.000000	No
				Cu	-0.000774	0.000000	No
				As	0.000500	0.000000	No
				Be	0.000364	0.000000	No
				Pd	0.000280	0.000000	No
				Ti	-0.000080	0.000000	No
				Al	0.000005	0.000000	No
				Zr	0.000000	0.000000	No
				Bi	-0.003364	0.000000	No
				W	0.060000	0.000000	No
				K	0.000000	0.000000	No
	As 189.042 {478}	☒	23	Al	0.000003	0.000000	No
				Fe	-0.000068	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	0.000090	0.000000	No
				Mo	0.000040	0.000000	No
				Cr	-0.005750	0.000000	No
				V	0.000095	0.000000	No
				Co	-0.001500	0.000000	No
				Ba	-0.000067	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000228	0.000000	No
				Tl	0.000030	0.000000	No
				Be	-0.000007	0.000000	No
				Mg	-0.000000	0.000000	No
				Si	-0.000195	0.000000	No
				Zn	0.000115	0.000000	No
				Sr	0.000100	0.000000	No
				Pd	0.031510	0.000000	No
				Zr	-0.000411	0.000000	No
				Ti	-0.000070	0.000000	No
				W	0.020000	0.000000	No
				S	-0.000040	0.000000	No
				K	0.000000	0.000000	No
	Tl 190.856 {477}	☒	29	Cr	0.000421	0.000000	No
				Mo	-0.007200	0.000000	No
				Al	-0.000002	0.000000	No
				Fe	-0.000123	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				V	-0.028200	0.000000	No
				Mn	0.000800	0.000000	No
				Ca	-0.000006	0.000000	No
				Ti	-0.001400	0.000000	No
				Mg	-0.000002	0.000000	No
				Co	0.003472	0.000000	No
				Sr	-0.000400	0.000000	No
				B	-0.000025	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	0.000100	0.000000	No
				As	-0.000020	0.000000	No
				W	0.000000	0.000000	No
				Ni	0.000090	0.000000	No
				Cu	-0.000125	0.000000	No
				Zr	0.000000	0.000000	No
				Pd	0.000185	0.000000	No
				Pb	-0.000600	0.000000	No
				S	0.000039	0.000000	No
				Ag	0.000250	0.000000	No
				Be	0.000000	0.000000	No
				Sn	-0.000023	0.000000	No
				K	0.000000	0.000000	No
				Cd	-0.000240	0.000000	No
				Si	0.000293	0.000000	No
				Na	-0.000001	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000071	0.000000	No
				Fe	0.000035	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000033	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.002050	0.000000	No
				Cu	-0.000031	0.000000	No
				V	0.000068	0.000000	No
				Co	0.000073	0.000000	No
				Ti	-0.000200	0.000000	No
				Si	-0.000042	0.000000	No
				Ba	-0.000010	0.000000	No
				Sb	0.000150	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000140	0.000000	No
				W	0.109900	0.000000	No
				Mg	0.000002	0.000000	No
				Cd	-0.000018	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				S	-0.000010	0.000000	No
				Bi	0.000000	0.000000	No
	Se 196.090 {472}	☒	22	Al	-0.000024	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	0.000223	0.000000	No
				Mo	-0.000119	0.000000	No
				Fe	-0.000358	0.000000	No
				Co	-0.000330	0.000000	No
				V	-0.000200	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	0.050000	0.000000	No
				Si	0.000011	0.000000	No
				Tl	0.000204	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	0.000100	0.000000	No
				B	0.000025	0.000000	No
				Pd	0.000700	0.000000	No
				Ti	-0.000017	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.004300	0.000000	No
				Ba	0.000040	0.000000	No
				Mg	-0.000002	0.000000	No
				S	-0.000010	0.000000	No
	Sb 206.833 {463}	☒	14	Fe	-0.000010	0.000000	No
				Al	0.000006	0.000000	No
				Ca	-0.000001	0.000000	No
				Ni	-0.000856	0.000000	No
				Cr	0.006200	0.000000	No
				V	-0.004530	0.000000	No
				Zn	0.000188	0.000000	No
				Mo	0.000250	0.000000	No
				Ti	0.000100	0.000000	No
				Sn	-0.015500	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000003	0.000000	No
				Zr	-0.000300	0.000000	No
				Sr	0.000031	0.000000	No
	Al 396.152 { 85}	☒	4	Si	0.000350	0.000000	No
				Ca	-0.000265	0.000000	No
				Mo	0.039000	0.000000	No
				Zr	-0.008158	0.000000	No
	Ca 317.933 {106}	☒	18	Fe	0.000120	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004955	0.000000	No
				Be	0.001840	0.000000	No
				Ba	-0.001500	0.000000	No
				Cu	0.004200	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.001859	0.000000	No
				Pd	0.004700	0.000000	No
				Mn	0.000000	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.005000	0.000000	No
				Co	-0.000920	0.000000	No
				Cr	0.004000	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
				Pb	0.002000	0.000000	No
	Fe 259.940 {130}	☒	13	Co	0.000200	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002562	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000360	0.000000	No
				Mn	-0.002000	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000085	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			K	-0.000200	0.000000	No
			Zn	0.000080	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.016250	0.000000	No
			W	0.000000	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	12	Fe	-0.000715	0.000000	No
			Al	0.000032	0.000000	No
			Ca	-0.000012	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002360	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.000500	0.000000	No
Na 589.592 { 57}	☒	6	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000034	0.000000	No
			Al	0.000040	0.000000	No
			V	0.000000	0.000000	No
			Cr	0.000000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027950	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.000576	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.000684	0.000000	No
			V	-0.000048	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000060	0.000000	No
			Mo	-0.000320	0.000000	No
			Co	-0.005883	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000017	0.000000	No
			Si	-0.000040	0.000000	No
			Zr	-0.157000	0.000000	No
Si 212.412 {459}	☒	19	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.027230	0.000000	No
			V	-0.000190	0.000000	No
			Ti	0.043950	0.000000	No
			Al	0.000049	0.000000	No
			Cd	0.008630	0.000000	No
			Ba	0.000000	0.000000	No
			Fe	0.000129	0.000000	No
			Sn	0.007000	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002500	0.000000	No
			Mg	-0.000185	0.000000	No
			W	-0.007198	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000078	0.000000	No
			Cr	0.001600	0.000000	No
			Mn	0.001000	0.000000	No
			Zr	0.000540	0.000000	No
			B	0.001900	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.002020	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
			Al	-0.000004	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	0.000000	0.000000	No
			Ca	0.000047	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000204	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	27	Al	0.000005	0.000000	No
			Si	-0.000117	0.000000	No
			Ca	-0.000004	0.000000	No
			Fe	-0.000039	0.000000	No
			As	-0.000220	0.000000	No
			Mg	-0.000005	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.000710	0.000000	No
			Ti	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			V	0.001000	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000001	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	0.000000	0.000000	No
			Sn	-0.000500	0.000000	No
			Zr	-0.001000	0.000000	No
			B	0.000000	0.000000	No
			Sb	0.000000	0.000000	No
			Co	-0.002830	0.000000	No
			Ni	0.000000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	0.000000	0.000000	No
			Cu	-0.002860	0.000000	No
			Ba	0.000000	0.000000	No
			Tl	0.000000	0.000000	No
			Pb	0.000000	0.000000	No
Zr 339.198 { 99}	☒	10	Mo	0.000250	0.000000	No
			Ti	0.000000	0.000000	No
			Fe	-0.000068	0.000000	No
			Si	0.000125	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
			Be	-0.000500	0.000000	No
			Bi	0.000000	0.000000	No
			Ba	0.000700	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ag	0.000000	0.000000	No
	S 182.034 {485}	☒	6	Ca	0.000065	0.000000	No
				Mo	0.000000	0.000000	No
				Al	-0.000129	0.000000	No
				Fe	-0.000043	0.000000	No
				Mn	0.003160	0.000000	No
				Mg	0.000004	0.000000	No
	Bi 223.061 {451}	☒	4	Fe	0.000035	0.000000	No
				Ti	-0.002890	0.000000	No
				V	-0.000680	0.000000	No
				Cr	0.001100	0.000000	No
	Li 670.784 { 50}	☒	1	Mg	0.000006	0.000000	No

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000634	1.403844	0.000000	1.000000
	Be 313.042 {108}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000099	3.281729	0.000000	1.000000
	Cd 228.802 {448}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000735	1.106416	0.000000	1.000000
	Co 228.616 {448}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000465	0.461592	0.000000	1.000000
	Cr 267.716 {126}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000004	0.074693	0.000000	1.000000
	Cu 324.754 {104}2	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.005357	0.249803	0.000000	1.000000
	Mn 257.610 {131}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000079	0.402514	0.000000	1.000000
	Ni 231.604 {446}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.001569	0.349421	0.000000	1.000000
	Ag 328.068 {103}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000069	0.122431	0.000000	1.000000
	V 292.402 {115}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000084	0.130299	0.000000	1.000000
	Zn 206.200 {464}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000211	0.835531	0.000000	1.000000
	As 189.042 {478}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.001628	0.164614	0.000000	1.000000
	Tl 190.856 {477}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000429	0.048299	0.000000	1.000000
	Pb 220.353 {453}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000166	0.135508	0.000000	1.000000
	Se 196.090 {472}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.001121	0.063207	0.000000	1.000000
	Sb 206.833 {463}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000500	0.254271	0.000000	1.000000
	Al 396.152 { 85}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000008	0.028163	0.000000	1.000000
	Ca 317.933 {106}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.005615	0.065230	0.000000	1.000000
	Fe 259.940 {130}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000162	0.045774	0.000000	1.000000
	Mg 279.079 {121}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000116	0.006505	0.000000	1.000000
	K 766.490 { 44}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000302	0.016107	0.000000	1.000000
	Na 589.592 { 57}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000866	0.066439	0.000000	1.000000
	B 208.959 {462}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.001472	0.269863	0.000000	1.000000
	Mo 202.030 {467}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000747	1.013573	0.000000	1.000000
	Pd 340.458 { 99}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000107	0.058692	0.000000	1.000000
	Si 212.412 {459}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.007727	0.304269	0.000000	1.000000
	Sn 189.989 {478}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.000302	0.183581	0.000000	1.000000
	Sr 407.771 { 83}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000413	2.650828	0.000000	1.000000
	Ti 334.904 {101}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000200	0.129414	0.000000	1.000000
	Y 360.073 { 94}*	10/25/2013 12:00:44	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	9/12/2013 9:42:19	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	4/16/2014 11:15:37	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	1/2/2014 9:54:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.002756	0.459692	0.000000	1.000000
	Zr 339.198 { 99}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000091	0.267837	0.000000	1.000000
	S 182.034 {485}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.003159	0.064059	0.000000	1.000000
	Bi 223.061 {451}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	-0.000941	0.332357	0.000000	1.000000
	Li 670.784 { 50}	6/3/2014 18:43:47	6/3/2014 18:43:47	Linear	1/Conc	0.001197	0.564462	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	0.000192	0.000639	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000039	0.000131	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	0.000267	0.000889	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000320	0.001065	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000236	0.000786	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000050	0.000168	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	0.000387	0.001289	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000241	0.000803	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000213	0.000710	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001080	0.003599	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001349	0.004497	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001201	0.004005	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003166	0.010552	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.000987	0.003289	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007634	0.025447	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.002180	0.007266	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.001608	0.005361	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.014712	0.049038	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027524	0.091745	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.006025	0.020082	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000599	0.001997	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000217	0.000724	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000748	0.002492	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	0.000779	0.002598	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000071	0.000237	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000341	0.001136	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	0.000958	0.003194	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000156	0.000521	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002790	0.009300	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001025	0.003417	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000737	0.002455	OK.	1.000000	0.000000	1	0

Sample Name: STDA Acquired: 6/4/2014 11:21:06 Type: Cal
Method: Accutest1(v343) 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	**.0016**	**.0001**	**.0003**	**.0001**	**.0000**	**.0023**	**.0000**	**-.0005**	**-.0003**
Stddev	.0000	.0001	.0001	.0001	.0001	.0000	.0000	.0000	.0000
%RSD	3.184	93.24	37.70	87.54	2836.	1.372	6.363	2.736	7.459
#1	.0015	.0000	.0002	.0000	.0001	.0024	.0000	-.0005	-.0003
#2	.0016	.0001	.0004	.0001	-.0001	.0023	.0000	-.0005	-.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**	**.0003**	**-.0003**	**-.0001**	**-.0001**	**-.0001**	**-.0001**	**-.0003**	**.0034**
Stddev	.0000	.0000	.0001	.0001	.0002	.0000	.0000	.0003	.0000
%RSD	150.9	3.975	20.65	70.76	184.9	15.50	32.96	102.9	1.459
#1	-.0000	.0003	-.0002	-.0001	-.0003	-.0001	-.0000	-.0005	.0035
#2	.0000	.0003	-.0003	-.0000	.0000	-.0001	-.0001	-.0001	.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	**.0002**	**.0000**	**-.0010**	**.0000**	**.0004**	**.0003**	**-.0000**	**.0030**	**.0002**
Stddev	.0000	.0000	.0001	.0000	.0000	.0001	.0000	.0001	.0000
%RSD	26.25	174.4	14.12	126.3	.8016	30.13	256.3	2.391	14.84
#1	.0001	-.0000	-.0011	.0000	.0004	.0003	.0000	.0029	.0002
#2	.0002	.0000	-.0009	.0001	.0004	.0004	-.0000	.0030	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**-.0002**	**.0028**	**-.0000**	**.0001**	**-.0002**	**.0010**
Stddev	.0000	.0001	.0002	.0001	.0000	.0002	.0001
%RSD	6.421	50.68	6.207	153.8	55.66	70.13	8.866
#1	-.0003	-.0002	.0027	-.0001	.0000	-.0004	.0009
#2	-.0003	-.0001	.0030	.0000	.0001	-.0001	.0011

Sample Name: STDA Acquired: 6/4/2014 11:21:06 Type: Cal
Method: Accutest1(v343) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	71503.	14220.	2867.1	3952.6
Stddev	115.	79.	5.1	8.0
%RSD	.16018	.55680	.17837	.20145
#1	71584.	14276.	2870.7	3958.2
#2	71422.	14164.	2863.5	3946.9

Sample Name: STDb Acquired: 6/4/2014 11:27:09 Type: Cal
Method: Accutest1(v343) 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	**8.680**	**4.643**	**3.572**	**2.362**	**.3378**	**.7868**	**2.295**	**1.879**	**.0515**
Stddev	.095	.065	.004	.002	.0075	.0281	.051	.001	.0013
%RSD	1.089	1.392	.1228	.0791	2.208	3.572	2.218	.0677	2.513
#1	8.746	4.688	3.569	2.360	.3325	.7669	2.259	1.878	.0506
#2	8.613	4.597	3.575	2.363	.3430	.8066	2.331	1.879	.0524

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	**.6085**	**4.020**	**.3831**	**.2577**	**.7482**	**.2751**	**.5908**	**2.116**	**3.243**
Stddev	.0144	.011	.0003	.0009	.0003	.0004	.0017	.030	.044
%RSD	2.374	.2656	.0868	.3360	.0359	.1609	.2875	1.435	1.354
#1	.5982	4.012	.3829	.2583	.7480	.2754	.5896	2.138	3.274
#2	.6187	4.027	.3834	.2571	.7484	.2747	.5920	2.095	3.212

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	**1.913**	**.3056**	**2.557**	**9.639**	**.8180**	**2.740**	**.1451**	**2.033**	**.6356**
Stddev	.024	.0028	.034	.122	.0007	.004	.0058	.002	.0010
%RSD	1.247	.9035	1.333	1.265	.0900	.1463	3.990	.0849	.1514
#1	1.930	.3075	2.581	9.725	.8175	2.737	.1410	2.031	.6349
#2	1.896	.3036	2.533	9.552	.8185	2.743	.1492	2.034	.6362

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	**12.47**	**.5287**	**1.090**	**1.483**	**.1741**	**.6473**	**3.418**
Stddev	.14	.0131	.010	.039	.0000	.0009	.042
%RSD	1.154	2.478	.9511	2.632	.0247	.1419	1.225
#1	12.57	.5194	1.082	1.455	.1741	.6467	3.448
#2	12.36	.5379	1.097	1.510	.1740	.6480	3.389

Sample Name: STDb Acquired: 6/4/2014 11:27:09 Type: Cal
Method: Accutest1(v343) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	68541.	14316.	2629.3	3528.0
Stddev	1556.	119.	4.2	2.3
%RSD	2.2697	.82995	.15853	.06436
#1	69641.	14232.	2632.2	3529.6
#2	67441.	14400.	2626.3	3526.4

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/4/2014 11:32:57 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.081**	**2.103**	**1.976**	**2.013**	**2.055**	**1.977**	**2.076**	**2.027**	**.2490**
Stddev	.002	.009	.033	.030	.003	.009	.001	.028	.0006
%RSD	.1047	.4082	1.689	1.475	.1227	.4551	.0363	1.392	.2480
#1	2.080	2.109	1.952	1.992	2.057	1.971	2.076	2.007	.2486
#2	2.083	2.097	2.000	2.034	2.053	1.983	2.075	2.047	.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	**2.026**	**2.029**	**1.970**	**2.051**	**2.032**	**1.970**	**1.972**	**40.96**	**41.75**
Stddev	.001	.033	.034	.029	.030	.030	.032	.10	.21
%RSD	.0383	1.639	1.725	1.437	1.482	1.511	1.645	.2560	.5041
#1	2.026	2.006	1.946	2.030	2.010	1.949	1.949	41.03	41.90
#2	2.025	2.053	1.994	2.072	2.053	1.991	1.995	40.89	41.60
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	**42.14**	**41.48**	**40.88**	**41.38**	**1.980**	**1.995**	**2.010**	**4.867**	**2.025**
Stddev	.17	.30	.14	.05	.036	.034	.013	.085	.037
%RSD	.4093	.7151	.3312	.1304	1.812	1.711	.6462	1.746	1.834
#1	42.26	41.69	40.98	41.34	1.955	1.971	2.001	4.807	1.999
#2	42.02	41.27	40.78	41.42	2.006	2.020	2.019	4.927	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: ccvconf Acquired: 6/4/2014 11:32:57 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.097**	**2.032**	**1.982**	**2.016**	**1.926**	**1.951**	**2.038**
Stddev	.001	.001	.049	.001	.029	.036	.005
%RSD	.0546	.0553	2.468	.0515	1.533	1.834	.2638
#1	2.098	2.032	1.948	2.017	1.905	1.926	2.034
#2	2.096	2.031	2.017	2.015	1.947	1.976	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	**70023.**	**14053.**	**2753.7**	**3705.1**
Stddev	2.	73.	38.5	42.7
%RSD	.00276	.51761	1.3987	1.1527
#1	70024.	14002.	2780.9	3735.3
#2	70021.	14105.	2726.4	3674.9

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/4/2014 11:38:47 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0002**	**.0001**	**.0002**	**-.0001**	**.0001**	**.0001**	**.0003**
Stddev	.0002	.0000	.0001	.0003	.0001	.0002	.0000	.0000	.0002
%RSD	264.4	20.13	44.93	540.4	83.73	233.6	4.835	1.386	46.97
#1	.0003	.0001	.0002	-.0002	.0001	.0001	.0002	.0001	.0002
#2	-.0001	.0001	.0001	.0003	.0003	-.0003	.0001	.0001	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**-.0000**	**.0002**	**.0010**	**-.0010**	**.0006**	**-.0023**	**.0031**
Stddev	.0000	.0001	.0002	.0003	.0004	.0007	.0007	.0094	.0012
%RSD	1.184	45.97	1310.	150.5	40.91	66.34	113.5	413.8	40.03
#1	.0001	.0002	.0001	.0004	.0007	-.0005	.0001	.0044	.0039
#2	.0001	.0004	-.0001	-.0000	.0012	-.0014	.0010	-.0089	.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	**.0045**	**-.0106**	**.0148**	**.0099**	**.0010**	**.0009**	**-.0010**	**-.0014**	**.0002**
Stddev	.0049	.0109	.0173	.0023	.0001	.0003	.0009	.0005	.0005
%RSD	108.9	102.7	117.1	23.14	13.14	29.06	95.01	33.65	187.0
#1	.0079	-.0183	.0025	.0083	.0010	.0011	-.0017	-.0017	.0006
#2	.0010	-.0029	.0270	.0115	.0009	.0007	-.0003	-.0010	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/4/2014 11:38:47 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0134**	**.0007**	**-.0000**	**.0013**	**.0005**
Stddev	.0001	.0001	.0021	.0000	.0012	.0001	.0002
%RSD	49.00	42.15	15.48	1.085	4724.	6.349	44.63
#1	.0001	.0002	.0149	.0007	.0009	.0014	.0003
#2	.0002	.0003	.0119	.0007	-.0009	.0013	.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	**70127.**	**14183.**	**2845.8**	**3919.0**
Stddev	1100.	29.	.3	6.5
%RSD	1.5690	.20190	.01210	.16518
#1	70905.	14163.	2845.6	3923.5
#2	69349.	14203.	2846.1	3914.4

Zoom In Zoom Out

Sample Name: icvconf Acquired: 6/4/2014 11:45:12 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.965**	**1.981**	**1.899**	**1.936**	**2.147**	**2.067**	**2.161**	**1.948**	**.2563**
Stddev	.068	.071	.003	.006	.116	.119	.118	.006	.0127
%RSD	3.433	3.571	.1815	.3332	5.413	5.735	5.452	.2927	4.970
#1	2.000	2.018	1.903	1.943	2.158	2.095	2.181	1.955	.2596
#2	2.008	2.026	1.898	1.930	2.257	2.170	2.267	1.945	.2671
#3	1.887	1.900	1.896	1.934	2.025	1.937	2.034	1.945	.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	**2.111**	**1.948**	**1.891**	**1.977**	**1.953**	**1.894**	**1.890**	**38.49**	**39.24**
Stddev	.113	.008	.005	.005	.004	.006	.001	1.39	1.45
%RSD	5.337	.4154	.2934	.2304	.2138	.3120	.0639	3.614	3.687
#1	2.131	1.957	1.894	1.980	1.957	1.901	1.891	39.17	39.95
#2	2.212	1.943	1.884	1.978	1.949	1.891	1.889	39.40	40.19
#3	1.989	1.944	1.894	1.972	1.954	1.891	1.891	36.89	37.57
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	**39.68**	**39.02**	**38.61**	**39.12**	**1.905**	**1.917**	**2.093**	**4.682**	**1.945**
Stddev	1.45	1.46	1.32	1.33	.003	.005	.120	.005	.005
%RSD	3.658	3.743	3.417	3.396	.1590	.2856	5.715	.1042	.2538
#1	40.43	39.76	39.24	39.79	1.908	1.923	2.121	4.687	1.951
#2	40.61	39.97	39.48	39.98	1.906	1.913	2.196	4.680	1.943
#3	38.01	37.34	37.09	37.59	1.902	1.914	1.962	4.678	1.942
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: icvconf Acquired: 6/4/2014 11:45:12 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.980**	**2.116**	**1.900**	**2.104**	**1.850**	**1.877**	**1.929**
Stddev	.069	.116	.004	.114	.004	.002	.061
%RSD	3.461	5.468	.1829	5.431	.2122	.1132	3.169
#1	2.016	2.138	1.901	2.125	1.854	1.879	1.959
#2	2.024	2.219	1.896	2.206	1.848	1.875	1.969
#3	1.901	1.991	1.903	1.981	1.846	1.877	1.858
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	**65093.**	**14290.**	**2743.8**	**3691.3**
Stddev	3125.	465.	1.9	5.4
%RSD	4.8007	3.2507	.07079	.14660
#1	64542.	14067.	2743.0	3686.8
#2	62281.	13980.	2746.0	3697.3
#3	68457.	14824.	2742.4	3689.7

Zoom In Zoom Out

Sample Name: icv Acquired: 6/4/2014 11:51:21 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.059**	**1.931**	**1.968**	**2.052**	**1.978**	**2.072**	**1.984**	**.2478**
Stddev	.016	.017	.009	.009	.076	.075	.073	.009	.0067
%RSD	.7651	.8035	.4786	.4716	3.686	3.786	3.537	.4768	2.691
#1	2.032	2.048	1.942	1.978	1.968	1.896	1.990	1.994	.2404
#2	2.042	2.051	1.926	1.963	2.074	1.997	2.097	1.980	.2494
#3	2.063	2.078	1.926	1.961	2.114	2.042	2.131	1.976	.2535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**1.978**	**1.932**	**2.003**	**1.986**	**1.922**	**1.926**	**39.90**	**40.68**
Stddev	.073	.013	.013	.007	.009	.012	.007	.40	.33
%RSD	3.608	.6694	.6702	.3582	.4428	.6221	.3876	1.002	.8163
#1	1.942	1.993	1.947	2.011	1.996	1.936	1.935	39.60	40.46
#2	2.045	1.973	1.926	2.000	1.982	1.916	1.922	39.74	40.53
#3	2.083	1.968	1.923	1.998	1.980	1.916	1.922	40.35	41.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.14**	**40.50**	**39.98**	**40.63**	**1.935**	**1.948**	**2.000**	**4.767**	**1.974**
Stddev	.34	.35	.35	.32	.008	.011	.076	.028	.012
%RSD	.8345	.8681	.8815	.7921	.4280	.5515	3.815	.5777	.6306
#1	40.90	40.31	39.76	40.34	1.944	1.960	1.916	4.799	1.988
#2	40.97	40.29	39.78	40.57	1.928	1.940	2.020	4.749	1.965
#3	41.53	40.91	40.38	40.98	1.932	1.943	2.064	4.754	1.969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/4/2014 11:51:21 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.029**	**1.951**	**2.017**	**1.885**	**1.915**	**2.011**
Stddev	.017	.070	.008	.077	.012	.006	.013
%RSD	.8186	3.468	.4015	3.818	.6180	.3030	.6271
#1	2.043	1.951	1.959	1.932	1.898	1.922	2.000
#2	2.053	2.048	1.948	2.039	1.879	1.911	2.008
#3	2.076	2.088	1.944	2.081	1.878	1.913	2.025
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	**68391.**	**14148.**	**2746.0**	**3693.1**
Stddev	2288.	140.	9.0	8.5
%RSD	3.3448	.98848	.32954	.23035
#1	70955.	14271.	2735.9	3683.3
#2	67660.	14177.	2753.5	3698.7
#3	66558.	13996.	2748.5	3697.2

Zoom In Zoom Out

Sample Name: icv Acquired: 6/4/2014 12:00:12 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.065**	**2.081**	**1.941**	**1.977**	**2.054**	**1.973**	**2.070**	**1.989**	**.2471**
Stddev	.004	.002	.006	.007	.006	.004	.004	.008	.0005
%RSD	.1825	.1140	.2918	.3700	.2721	.2075	.1929	.3865	.1984
#1	2.062	2.078	1.939	1.974	2.056	1.977	2.071	1.986	.2476
#2	2.063	2.082	1.936	1.971	2.048	1.969	2.066	1.984	.2469
#3	2.069	2.083	1.947	1.985	2.058	1.973	2.074	1.998	.2467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**1.989**	**1.939**	**2.012**	**1.992**	**1.934**	**1.935**	**40.46**	**41.17**
Stddev	.006	.006	.009	.006	.007	.005	.007	.12	.01
%RSD	.2838	.3240	.4473	.2958	.3745	.2731	.3397	.3083	.0337
#1	2.025	1.986	1.943	2.009	1.991	1.931	1.935	40.46	41.16
#2	2.016	1.984	1.929	2.009	1.985	1.932	1.928	40.34	41.18
#3	2.026	1.996	1.945	2.019	2.000	1.940	1.941	40.59	41.16
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	**41.59**	**40.97**	**40.50**	**41.05**	**1.944**	**1.960**	**1.998**	**4.790**	**1.985**
Stddev	.05	.07	.12	.10	.005	.006	.003	.017	.005
%RSD	.1216	.1791	.2964	.2555	.2371	.2956	.1290	.3436	.2508
#1	41.62	41.03	40.41	40.93	1.946	1.958	2.001	4.791	1.983
#2	41.53	40.99	40.47	41.08	1.939	1.955	1.996	4.773	1.981
#3	41.62	40.89	40.64	41.14	1.948	1.966	1.999	4.806	1.991
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 12:00:12 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.025**	**1.955**	**2.016**	**1.894**	**1.921**	**2.026**
Stddev	.004	.002	.009	.005	.005	.009	.007
%RSD	.1946	.1059	.4447	.2672	.2409	.4918	.3484
#1	2.076	2.023	1.951	2.019	1.894	1.921	2.018
#2	2.080	2.024	1.950	2.010	1.889	1.911	2.030
#3	2.084	2.027	1.965	2.019	1.898	1.930	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68539.**	**13906.**	**2735.7**	**3680.5**
Stddev	97.	26.	4.6	9.1
%RSD	.14168	.18646	.16892	.24676
#1	68550.	13893.	2736.5	3683.0
#2	68630.	13936.	2739.8	3688.0
#3	68437.	13890.	2730.7	3670.4

Zoom In Zoom Out

Sample Name: icb Acquired: 6/4/2014 12:13:54 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0003**	**.0000**	**.0001**	**.0003**	**.0001**	**.0004**	**-.0003**
Stddev	.0001	.0001	.0002	.0001	.0004	.0001	.0000	.0002	.0007
%RSD	242.3	94.70	62.26	334.1	539.6	54.35	36.55	46.55	252.4
#1	-.0000	.0000	.0004	.0001	.0004	.0002	.0001	.0005	.0002
#2	.0002	.0002	.0001	-.0000	-.0002	.0004	.0001	.0002	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0004**	**.0005**	**.0001**	**.0006**	**-.0009**	**-.0005**	**-.0004**	**.0041**
Stddev	.0004	.0002	.0000	.0007	.0009	.0008	.0004	.0003	.0021
%RSD	152.4	56.70	3.820	1306.	158.8	93.91	68.61	82.77	52.05
#1	.0006	.0005	.0006	.0005	.0013	-.0003	-.0008	-.0006	.0056
#2	-.0000	.0002	.0005	-.0004	-.0001	-.0014	-.0003	-.0002	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**-.0165**	**.0199**	**-.0006**	**.0002**	**.0003**	**-.0000**	**-.0016**	**.0001**
Stddev	.0028	.0094	.0039	.0072	.0003	.0000	.0008	.0002	.0000
%RSD	91.75	56.68	19.66	1276.	163.5	7.370	6864.	11.75	52.59
#1	.0050	-.0231	.0172	-.0056	.0004	.0003	.0006	-.0018	.0001
#2	.0011	-.0099	.0227	.0045	-.0000	.0004	-.0006	-.0015	.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 12:13:54 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0056**	**.0002**	**.0027**	**-.0000**	**.0001**
Stddev	.0000	.0004	.0003	.0001	.0006	.0004	.0011
%RSD	81.22	121.2	6.196	23.48	21.79	1016.	1376.
#1	.0001	.0006	.0058	.0002	.0031	-.0003	.0009
#2	.0000	.0000	.0053	.0003	.0023	.0002	-.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	**70562.**	**13894.**	**2839.3**	**3915.4**
Stddev	224.	70.	4.4	5.1
%RSD	.31703	.50619	.15431	.12987
#1	70404.	13844.	2842.4	3919.0
#2	70720.	13944.	2836.2	3911.8

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/4/2014 12:20:05 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.108**	**2.133**	**1.948**	**1.983**	F **2.220**	**2.148**	F **2.231**	**1.996**	**.2669**
Stddev	.037	.041	.109	.107	.167	.168	.166	.107	.0167
%RSD	1.767	1.942	5.576	5.385	7.519	7.837	7.437	5.359	6.259
#1	2.062	2.082	1.966	2.003	2.297	2.228	2.307	2.018	.2756
#2	2.095	2.116	1.794	1.831	2.418	2.347	2.430	1.844	.2863
#3	2.145	2.165	1.982	2.015	2.083	1.997	2.098	2.030	.2524
#4	2.131	2.168	2.049	2.082	2.080	2.021	2.091	2.094	.2536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					2.000		2.000		
Range					10.00%		10.00%		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.180**	**1.997**	**1.938**	**2.022**	**1.999**	**1.941**	**1.939**	**41.56**	**42.25**
Stddev	.160	.114	.118	.095	.106	.111	.112	.83	.83
%RSD	7.341	5.708	6.068	4.675	5.275	5.700	5.783	1.993	1.960
#1	2.255	2.019	1.954	2.046	2.017	1.961	1.955	40.56	41.22
#2	2.371	1.835	1.772	1.887	1.850	1.784	1.781	41.21	41.94
#3	2.049	2.033	1.978	2.046	2.035	1.977	1.977	42.23	42.94
#4	2.047	2.101	2.048	2.108	2.096	2.043	2.045	42.26	42.90
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: 6/4/2014 12:20:05 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.65**	**41.96**	**41.57**	**42.00**	**1.952**	**1.967**	**2.179**	**4.807**	**1.994**
Stddev	.89	.87	.75	.79	.107	.112	.171	.272	.113
%RSD	2.078	2.081	1.813	1.869	5.471	5.699	7.832	5.648	5.650
#1	41.58	40.91	40.66	41.02	1.968	1.986	2.261	4.849	2.011
#2	42.26	41.59	41.24	41.73	1.801	1.809	2.379	4.424	1.834
#3	43.38	42.80	42.17	42.70	1.988	2.003	2.019	4.894	2.032
#4	43.37	42.53	42.20	42.57	2.052	2.072	2.056	5.062	2.098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.126**	**2.186**	**1.962**	**2.176**	**1.898**	**1.925**	**2.069**
Stddev	.038	.161	.113	.165	.109	.108	.038
%RSD	1.790	7.382	5.734	7.587	5.717	5.593	1.824
#1	2.080	2.261	1.986	2.251	1.914	1.941	2.023
#2	2.111	2.379	1.806	2.374	1.745	1.773	2.053
#3	2.161	2.058	1.982	2.040	1.930	1.963	2.102
#4	2.153	2.049	2.075	2.041	2.001	2.025	2.097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/4/2014 12:20:05 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**64180.**	**13615.**	**2726.3**	**3667.9**
Stddev	4153.	209.	137.0	172.3
%RSD	6.4715	1.5359	5.0245	4.6971
#1	62028.	13879.	2699.9	3631.9
#2	59385.	13685.	2922.8	3915.3
#3	67668.	13427.	2677.1	3608.2
#4	67639.	13470.	2605.6	3516.3

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/4/2014 12:27:29 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.095**	**1.987**	**2.016**	**2.063**	**1.999**	**2.073**	**2.021**	**.2509**
Stddev	.032	.028	.025	.025	.057	.053	.053	.025	.0043
%RSD	1.528	1.311	1.260	1.263	2.754	2.678	2.582	1.241	1.730
#1	2.027	2.063	1.983	2.009	2.101	2.021	2.107	2.015	.2519
#2	2.040	2.082	1.965	1.998	2.101	2.045	2.109	2.004	.2551
#3	2.075	2.112	1.979	2.005	2.067	2.007	2.079	2.007	.2517
#4	2.096	2.123	2.023	2.054	1.981	1.922	1.995	2.058	.2448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.038**	**1.967**	**2.051**	**2.025**	**1.985**	**1.971**	**40.84**	**41.44**
Stddev	.051	.027	.025	.023	.024	.026	.027	.59	.49
%RSD	2.528	1.345	1.287	1.130	1.202	1.305	1.379	1.434	1.184
#1	2.065	2.029	1.962	2.047	2.019	1.981	1.967	40.17	40.86
#2	2.071	2.016	1.943	2.033	2.008	1.961	1.945	40.56	41.20
#3	2.041	2.028	1.959	2.038	2.011	1.978	1.962	41.13	41.79
#4	1.959	2.078	2.003	2.084	2.061	2.022	2.009	41.48	41.90
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: 6/4/2014 12:27:29 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.87**	**41.12**	**40.84**	**41.20**	**2.004**	**2.016**	**2.047**	**4.892**	**2.040**
Stddev	.59	.46	.60	.66	.026	.027	.051	.063	.029
%RSD	1.402	1.116	1.479	1.608	1.315	1.330	2.484	1.289	1.402
#1	41.16	40.61	40.13	40.49	1.996	2.007	2.063	4.884	2.032
#2	41.62	40.86	40.58	40.83	1.982	1.994	2.094	4.834	2.017
#3	42.23	41.56	41.15	41.54	1.996	2.009	2.057	4.868	2.028
#4	42.45	41.45	41.49	41.95	2.042	2.055	1.975	4.981	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.077**	**2.036**	**2.032**	**2.022**	**1.932**	**1.952**	**2.026**
Stddev	.031	.051	.028	.052	.027	.023	.035
%RSD	1.476	2.493	1.377	2.586	1.410	1.193	1.709
#1	2.045	2.065	2.021	2.052	1.923	1.950	1.991
#2	2.060	2.073	2.009	2.063	1.906	1.930	2.006
#3	2.093	2.042	2.024	2.028	1.927	1.944	2.043
#4	2.113	1.962	2.073	1.947	1.970	1.985	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/4/2014 12:27:29 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**69214.**	**14117.**	**2731.9**	**3694.5**
Stddev	1633.	151.	28.5	37.1
%RSD	2.3591	1.0670	1.0438	1.0034
#1	68314.	14287.	2736.2	3701.1
#2	67977.	14202.	2757.1	3721.2
#3	68985.	13997.	2743.2	3715.4
#4	71582.	13984.	2691.2	3640.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 12:39:11 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0001**	**-.0001**	**-.0000**	**.0004**	**.0001**	**.0002**	**.0003**
Stddev	.0001	.0000	.0003	.0000	.0009	.0001	.0000	.0001	.0005
%RSD	45.74	14.84	295.6	76.91	2016.	14.64	4.249	46.32	161.6
#1	-.0001	.0001	-.0001	-.0001	.0006	.0004	.0001	.0001	.0007
#2	-.0001	.0001	.0003	-.0000	-.0007	.0005	.0001	.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	**.0001**	**.0004**	**.0004**	**-.0004**	**-.0001**	**-.0025**	**.0004**	**-.0058**	**.0070**
Stddev	.0004	.0001	.0012	.0004	.0014	.0019	.0016	.0080	.0016
%RSD	300.4	35.25	319.4	91.64	1121.	75.15	394.7	136.5	22.49
#1	-.0001	.0003	.0012	-.0007	-.0011	-.0012	-.0007	-.0002	.0081
#2	.0004	.0005	-.0005	-.0001	.0009	-.0038	.0015	-.0114	.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	**.0039**	**.0095**	**.0300**	**.0156**	**.0012**	**.0008**	**.0006**	**-.0019**	**-.0004**
Stddev	.0020	.0348	.0097	.0022	.0000	.0000	.0018	.0000	.0005
%RSD	51.92	365.1	32.51	14.07	3.548	1.657	319.1	1.937	117.6
#1	.0053	-.0151	.0368	.0141	.0012	.0007	-.0007	-.0019	-.0008
#2	.0025	.0342	.0231	.0172	.0012	.0008	.0019	-.0019	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 12:39:11 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0006**	**.0128**	**.0006**	**-.0014**	**.0018**	**.0002**
Stddev	.0000	.0002	.0012	.0001	.0014	.0000	.0009
%RSD	27.23	40.37	9.623	11.47	103.8	.1177	470.7
#1	.0001	.0007	.0137	.0006	-.0004	.0018	-.0004
#2	.0001	.0004	.0120	.0007	-.0024	.0018	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70899.**	**13889.**	**2793.7**	**3893.6**
Stddev	8.	69.	26.3	32.1
%RSD	.01148	.49995	.94297	.82421
#1	70905.	13840.	2812.4	3916.3
#2	70893.	13938.	2775.1	3870.9

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 12:44:35 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2184**	**.0023**	**.0035**	**.0524**	**.0111**	**.0111**	**.0168**	**.0106**	**.0058**
Stddev	.0020	.0001	.0001	.0002	.0005	.0002	.0001	.0000	.0001
%RSD	.9029	2.790	3.412	.4440	4.472	1.976	.5500	.4209	2.537
#1	.2198	.0023	.0034	.0523	.0107	.0113	.0168	.0106	.0059
#2	.2170	.0024	.0036	.0526	.0114	.0110	.0169	.0106	.0057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0537**	**.0247**	**.0083**	**.0103**	**.0028**	**.0102**	**.0050**	**.2152**	**5.603**
Stddev	.0004	.0001	.0004	.0010	.0006	.0001	.0004	.0077	.037
%RSD	.8318	.5209	4.237	9.903	21.71	.8323	8.128	3.593	.6545
#1	.0534	.0246	.0085	.0096	.0032	.0103	.0052	.2206	5.628
#2	.0540	.0248	.0080	.0111	.0023	.0101	.0047	.2097	5.577
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	**.1170**	**5.629**	**5.422**	**5.497**	**.1010**	**.0212**	F **.0717**	**.2030**	**.0107**
Stddev	.0019	.043	.032	.030	.0004	.0001	.0029	.0007	.0006
%RSD	1.650	.7727	.5961	.5548	.4239	.5325	4.027	.3376	5.449
#1	.1156	5.660	5.445	5.519	.1013	.0211	.0697	.2025	.0103
#2	.1184	5.598	5.399	5.476	.1007	.0213	.0738	.2035	.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0500		
Range							30.00%		

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 12:44:35 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0113**	**.0109**	**.0567**	**.0120**	**.0498**	**.0214**	**.0221**
Stddev	.0001	.0003	.0001	.0001	.0003	.0002	.0003
%RSD	.5881	3.060	.1479	.6045	.5128	.8882	1.583
#1	.0114	.0107	.0567	.0120	.0497	.0213	.0219
#2	.0113	.0112	.0566	.0119	.0500	.0215	.0223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71517.**	**13870.**	**2812.2**	**3940.1**
Stddev	385.	113.	.1	3.8
%RSD	.53813	.81373	.00482	.09766
#1	71789.	13790.	2812.3	3942.8
#2	71245.	13949.	2812.1	3937.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 12:50:36 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0011**	**.0032**	**.0016**	F **.0028**	**.0034**	**.0044**
Stddev	.0000	.0001	.0001	.0001	.0000	.0004	.0000	.0002
%RSD	.4018	6.126	9.644	3.317	1.536	13.06	.9103	4.758
#1	.0042	.0010	.0011	.0033	.0016	.0031	.0034	.0045
#2	.0042	.0011	.0012	.0032	.0017	.0026	.0033	.0042
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**	**.0023**	F **.0131**	**.0028**	F **.0030**	F **.0036**	**.0040**	**.0036**
Stddev	.0006	.0002	.0000	.0006	.0002	.0005	.0006	.0009
%RSD	50.60	7.801	.1117	23.17	5.174	13.75	15.01	25.27
#1	.0017	.0024	.0131	.0032	.0029	.0033	.0045	.0030
#2	.0008	.0022	.0131	.0023	.0031	.0040	.0036	.0043
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value			.0100		.0020	.0025		
Range			30.00%		30.00%	30.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1057**	**1.141**	**.0011**	F **.1313**	**2.211**	**1.126**	**.0099**	**.0001**
Stddev	.0039	.027	.0005	.0237	.033	.029	.0001	.0002
%RSD	3.675	2.331	46.24	18.07	1.502	2.606	.5989	141.3
#1	.1085	1.160	.0008	.1145	2.234	1.146	.0100	.0003
#2	.1030	1.122	.0015	.1481	2.187	1.105	.0099	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value				.1000				
Range				30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 12:50:36 Type: QC
Method: Accutest1(v343) 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**	**.0010**	**-.0001**	**.0000**	**.0003**	F **.0025**	F **-.0001**	**.0031**
Stddev	.0000	.0002	.0004	.0000	.0001	.0003	.0000	.0019
%RSD	31.03	20.38	289.9	3882.	24.17	11.18	33.36	63.43
#1	-.0001	.0011	.0001	.0000	.0003	.0027	-.0001	.0017
#2	-.0001	.0009	-.0004	-.0000	.0004	.0023	-.0001	.0044
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						-30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0010**	F **.0001**
Stddev	.0013	.0001
%RSD	124.2	87.26
#1	.0001	.0000
#2	.0019	.0002
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71830.**	**14021.**	**2826.6**	**3950.1**
Stddev	80.	131.	6.7	13.4
%RSD	.11189	.93136	.23691	.34043
#1	71887.	13928.	2831.3	3959.6
#2	71773.	14113.	2821.9	3940.6

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 12:56:40 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0001**	**-.0000**	**.0008**	**.0001**	**.0001**	**.0006**	**.0001**
Stddev	.0000	.0000	.0000	.0002	.0002	.0001	.0000	.0000	.0004
%RSD	50.46	35.54	3.733	3038.	20.69	92.77	.2331	7.132	276.0
#1	-.0000	-.0000	.0001	-.0001	.0006	.0002	.0001	.0006	.0004
#2	-.0001	-.0000	.0001	.0001	.0009	.0000	.0001	.0007	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0023**	**.0211**	**-.0001**	**.0241**	**.0192**	**.0210**	**.5738**	**.0309**
Stddev	.0000	.0000	.0008	.0003	.0006	.0025	.0012	.0104	.0004
%RSD	38.01	1.719	3.598	209.9	2.674	13.30	5.897	1.820	1.229
#1	-.0001	.0023	.0217	-.0004	.0245	.0210	.0219	.5812	.0306
#2	-.0001	.0023	.0206	.0001	.0236	.0174	.0201	.5664	.0312
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	**.6208**	**-.0045**	**-.0030**	**.0028**	**-.0001**	**.0002**	**-.0010**	**-.0017**	**-.0000**
Stddev	.0045	.0205	.0175	.0008	.0003	.0001	.0007	.0001	.0005
%RSD	.7187	451.5	576.9	29.65	343.7	24.65	69.42	6.128	1197.
#1	.6240	-.0190	.0093	.0022	-.0003	.0002	-.0005	-.0017	-.0004
#2	.6177	.0099	-.0154	.0034	.0001	.0003	-.0014	-.0016	.0003
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/4/2014 12:56:40 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**.0000**	**.0006**	**.0000**	**-.0005**
Stddev	.0000	.0001	.0006	.0000	.0024	.0012	.0007
%RSD	114.5	91.49	77.85	28.68	415.8	6138.	138.6
#1	.0000	.0000	.0013	.0000	.0023	-.0008	-.0010
#2	.0001	.0002	.0004	.0000	-.0011	.0009	-.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	**72366.**	**13853.**	**2788.7**	**3902.6**
Stddev	94.	23.	17.0	16.0
%RSD	.12922	.16949	.61113	.40882
#1	72432.	13837.	2776.7	3891.4
#2	72300.	13870.	2800.8	3913.9

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 13:02:46 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0012**	**.0032**	**.0018**	**.0025**	**.0034**	**.0046**
Stddev	.0001	.0001	.0000	.0000	.0002	.0002	.0000	.0002
%RSD	2.241	12.25	3.102	1.343	10.55	6.236	.2064	5.303
#1	.0042	.0010	.0013	.0032	.0020	.0026	.0034	.0047
#2	.0041	.0012	.0012	.0032	.0017	.0024	.0034	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0015**	**.0019**	F **.0134**	**.0035**	**.0025**	F **.0035**	**.0050**	F **.0040**
Stddev	.0002	.0002	.0001	.0004	.0011	.0001	.0003	.0009
%RSD	15.53	9.590	.9370	11.21	44.97	1.931	6.961	23.22
#1	.0016	.0018	.0133	.0037	.0017	.0036	.0048	.0046
#2	.0013	.0021	.0135	.0032	.0033	.0035	.0053	.0033
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value	.0010		.0100			.0025		.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	**.1153**	**1.168**	**-.0021**	**.0972**	**2.276**	**1.141**	**.0098**	**.0000**
Stddev	.0110	.005	.0013	.0305	.006	.014	.0003	.0002
%RSD	9.504	.4054	61.73	31.34	.2778	1.204	3.010	2079.
#1	.1230	1.171	-.0012	.0757	2.280	1.150	.0096	.0001
#2	.1075	1.164	-.0030	.1187	2.271	1.131	.0100	-.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: 6/4/2014 13:02:46 Type: QC
Method: Accutest1(v343) 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	**-.0014**	**.0002**	**-.0003**	**.0000**	**.0003**	F **-.0006**	F **.0000**	F **-.0003**
Stddev	.0003	.0006	.0003	.0001	.0003	.0001	.0001	.0003
%RSD	24.59	359.7	107.2	385.8	96.92	18.70	2498.	113.4
#1	-.0017	.0006	-.0005	-.0000	.0001	-.0005	.0001	-.0001
#2	-.0012	-.0003	-.0001	.0001	.0004	-.0007	-.0000	-.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 **-.0007**	F **-.0002**
Stddev	.0002	.0007
%RSD	33.49	386.4
#1	-.0008	.0003
#2	-.0005	-.0006
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71966.**	**13876.**	**2817.6**	**3942.9**
Stddev	87.	26.	13.2	18.6
%RSD	.12151	.18523	.46825	.47192
#1	71904.	13857.	2826.9	3956.1
#2	72028.	13894.	2808.3	3929.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/4/2014 13:08:51 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0008**	**.0035**	**-.0016**	**.0008**	**.0008**	**.0058**	**.0006**	**.0050**
Stddev	.0001	.0000	.0000	.0001	.0007	.0000	.0001	.0004	.0021
%RSD	9.716	1.002	.8446	5.104	88.20	2.225	1.227	72.01	42.54
#1	-.0014	.0008	.0035	-.0016	.0013	.0009	.0059	.0009	.0035
#2	-.0016	.0008	.0036	-.0015	.0003	.0008	.0058	.0003	.0065
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	**.0048**	**.0020**	**.0031**	**.0003**	**.0051**	**.0100**	**.0027**	**551.2**	**413.8**
Stddev	.0000	.0004	.0026	.0032	.0028	.0031	.0003	8.8	3.4
%RSD	.1013	22.12	84.92	1054.	53.90	31.01	11.56	1.592	.8150
#1	.0048	.0023	.0012	.0026	.0032	.0078	.0025	544.9	411.4
#2	.0048	.0017	.0049	-.0020	.0071	.0122	.0029	557.4	416.2
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	**210.0**	**552.4**	**-.0582**	**-.0156**	**-.0009**	**.0007**	**-.0098**	**-.0022**	**-.0014**
Stddev	.4	.5	.0132	.0011	.0002	.0003	.0001	.0011	.0018
%RSD	.2127	.0991	22.62	6.880	25.22	39.84	1.088	50.82	127.9
#1	209.7	552.0	-.0675	-.0164	-.0007	.0009	-.0097	-.0029	-.0001
#2	210.3	552.8	-.0489	-.0149	-.0010	.0005	-.0098	-.0014	-.0028
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 13:08:51 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0013**	**-.0441**	**.0014**	**-.0203**	**.0297**	**.0043**
Stddev	.0000	.0001	.0003	.0001	.0014	.0003	.0006
%RSD	.7312	3.772	.7629	5.550	6.884	1.065	12.83
#1	-.0052	.0013	-.0438	.0014	-.0193	.0299	.0039
#2	-.0052	.0014	-.0443	.0013	-.0212	.0295	.0047
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	**62292.**	**13179.**	**2428.9**	**3237.7**
Stddev	188.	45.	3.6	.7
%RSD	.30142	.34287	.14657	.02019
#1	62160.	13147.	2426.4	3237.2
#2	62425.	13211.	2431.4	3238.2

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/4/2014 13:15:03 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5544**	**.5507**	**1.073**	**.4998**	**.5058**	**.5588**	**.5310**	**.9673**	**1.106**
Stddev	.0013	.0002	.009	.0050	.0024	.0006	.0002	.0099	.001
%RSD	.2257	.0327	.8234	1.001	.4756	.1160	.0348	1.027	.1165
#1	.5553	.5508	1.067	.4963	.5041	.5584	.5309	.9603	1.105
#2	.5535	.5506	1.079	.5034	.5075	.5593	.5312	.9743	1.107
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	**.5017**	**1.005**	**1.115**	**1.004**	**.9993**	**1.188**	**1.092**	**568.1**	**418.2**
Stddev	.0007	.009	.015	.009	.0101	.011	.011	5.8	2.4
%RSD	.1337	.9448	1.332	.9175	1.014	.9195	1.002	1.017	.5763
#1	.5013	.9988	1.105	.9979	.9921	1.180	1.084	572.2	419.9
#2	.5022	1.012	1.126	1.011	1.006	1.196	1.100	564.0	416.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**211.2**	**569.7**	**-.0287**	**-.0078**	**.0173**	**.5373**	**.5834**	**-.0018**	**-.0031**
Stddev	.5	.9	.0165	.0001	.0005	.0050	.0031	.0029	.0007
%RSD	.2533	.1613	57.37	1.639	3.063	.9336	.5381	164.3	21.74
#1	211.6	570.3	-.0171	-.0077	.0177	.5337	.5812	-.0038	-.0035
#2	210.8	569.0	-.0404	-.0079	.0170	.5408	.5856	.0003	-.0026
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 13:15:03 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.5581**	F **.6016**	**.4982**	**.5854**	F **.6105**
Stddev	.0001	.0002	.0091	.0027	.0051	.0043	.0020
%RSD	2.327	10.28	1.639	.4532	1.020	.7401	.3353
#1	-.0052	.0020	.5517	.5997	.4946	.5823	.6090
#2	-.0051	.0023	.5646	.6035	.5018	.5884	.6119
Check ?	None	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value				.5000			.5000
Range				20.00%			20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**61969.**	**12986.**	**2403.4**	**3212.0**
Stddev	77.	26.	18.0	23.2
%RSD	.12503	.19838	.74892	.72364
#1	61915.	13004.	2416.1	3228.4
#2	62024.	12968.	2390.7	3195.6

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/4/2014 13:21:04 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0008**	**.0027**	**-.0028**	**.0018**	**.0019**	**.0078**	**.0016**	**.0086**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0001	.0003	.0000
%RSD	23.02	2.821	1.984	2.243	11.48	4.792	1.092	15.88	.2670
#1	.0003	.0008	.0027	-.0028	.0016	.0019	.0077	.0018	.0086
#2	.0002	.0008	.0027	-.0027	.0019	.0018	.0079	.0014	.0086

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0045**	**.0115**	**.0072**	**-.0001**	**-.0002**	**.0116**	**-.0002**	**.0612**	**.0865**
Stddev	.0001	.0001	.0003	.0017	.0001	.0003	.0016	.0032	.0035
%RSD	1.582	1.078	4.619	1541.	51.54	2.159	730.8	5.270	4.040
#1	.0045	.0114	.0069	.0011	-.0003	.0114	.0009	.0590	.0890
#2	.0046	.0116	.0074	-.0013	-.0001	.0118	-.0014	.0635	.0840

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**229.2**	**.0382**	**-.0539**	**.0076**	**-.0025**	**.0011**	**-.0006**	**-.0042**	**-.0027**
Stddev	.1	.0170	.0106	.0068	.0004	.0002	.0010	.0005	.0005
%RSD	.0401	44.51	19.61	89.46	15.97	17.02	161.7	11.30	20.01
#1	229.1	.0502	-.0464	.0125	-.0028	.0009	-.0014	-.0038	-.0031
#2	229.3	.0262	-.0614	.0028	-.0022	.0012	.0001	-.0045	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0009**	**.0043**	**.0070**	**.0222**	**-.0000**
Stddev	.0001	.0002	.0004	.0001	.0009	.0007	.0005
%RSD	199.1	162.9	44.21	3.059	13.30	2.958	1523.
#1	.0001	-.0000	-.0012	.0042	.0076	.0226	.0003
#2	-.0000	.0003	-.0006	.0044	.0063	.0217	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70797.**	**13890.**	**2745.7**	**3876.5**
Stddev	106.	115.	.0	2.4
%RSD	.15012	.83060	.00002	.06296
#1	70872.	13808.	2745.7	3878.3
#2	70721.	13972.	2745.7	3874.8

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/4/2014 13:27:05 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0004**	**-.0003**	**-.0007**	**11.18**	**.0030**	**-.0011**	**.0000**	**.0005**
Stddev	.0002	.0000	.0000	.0001	.02	.0004	.0000	.0004	.0003
%RSD	55.23	13.16	3.597	19.47	.2084	11.93	2.411	754.8	57.76
#1	.0002	.0003	-.0003	-.0006	11.17	.0032	-.0012	.0003	.0003
#2	.0004	.0004	-.0003	-.0008	11.20	.0027	-.0011	-.0002	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0065**	**.0061**	**-.0022**	**.0013**	**-.0021**	**.0023**	**.0214**	**.0476**
Stddev	.0002	.0001	.0000	.0007	.0002	.0005	.0002	.0008	.0007
%RSD	16.16	1.257	.7526	31.23	13.32	23.09	9.366	3.803	1.481
#1	.0011	.0065	.0061	-.0017	.0012	-.0018	.0024	.0220	.0471
#2	.0009	.0066	.0060	-.0027	.0014	-.0024	.0021	.0209	.0481

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0658**	**.0042**	**.0037**	**.0151**	**-.0007**	**.0007**	**-.0010**	**.0177**	**-.0013**
Stddev	.0031	.0037	.0093	.0025	.0000	.0003	.0012	.0010	.0000
%RSD	4.738	87.29	255.6	16.24	5.901	37.67	120.3	5.860	1.866
#1	.0680	.0069	-.0030	.0168	-.0007	.0005	-.0018	.0170	-.0013
#2	.0636	.0016	.0103	.0134	-.0007	.0009	-.0001	.0184	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**.0016**	**-.0014**	**.0060**	**.0143**	**-.0003**
Stddev	.0001	.0004	.0000	.0003	.0013	.0019	.0010
%RSD	90.91	296.5	.9759	23.31	22.50	13.17	382.6
#1	.0000	-.0001	.0016	-.0012	.0070	.0129	.0005
#2	.0002	.0004	.0017	-.0016	.0050	.0156	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71760.**	**13910.**	**2733.9**	**3922.1**
Stddev	25.	39.	6.8	6.5
%RSD	.03469	.27965	.24711	.16690
#1	71777.	13938.	2738.6	3926.7
#2	71742.	13883.	2729.1	3917.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 13:33:10 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.118**	**2.151**	**2.035**	**2.055**	**2.084**	**2.058**	**2.093**	**2.041**	**.2602**
Stddev	.037	.037	.002	.009	.003	.001	.001	.008	.0020
%RSD	1.752	1.724	.0721	.4370	.1618	.0391	.0583	.3948	.7794
#1	2.144	2.178	2.034	2.048	2.082	2.058	2.092	2.036	.2616
#2	2.092	2.125	2.036	2.061	2.086	2.059	2.094	2.047	.2587
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	**2.067**	**2.088**	**1.986**	**2.091**	**2.045**	**2.058**	**2.016**	**42.93**	**42.67**
Stddev	.002	.010	.005	.003	.005	.003	.000	.72	.76
%RSD	.1033	.4822	.2739	.1335	.2645	.1391	.0201	1.683	1.783
#1	2.065	2.081	1.982	2.089	2.041	2.056	2.016	43.44	43.21
#2	2.068	2.095	1.990	2.093	2.049	2.060	2.016	42.42	42.13
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	**43.64**	**42.19**	**42.74**	**42.26**	**2.086**	**2.095**	**2.197**	**4.997**	**2.104**
Stddev	.85	.83	.64	.79	.002	.006	.002	.004	.005
%RSD	1.948	1.959	1.503	1.869	.0778	.2735	.1020	.0777	.2466
#1	44.24	42.78	43.20	42.82	2.084	2.091	2.195	4.994	2.100
#2	43.04	41.61	42.29	41.70	2.087	2.099	2.198	5.000	2.107
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 13:33:10 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.135**	**2.091**	**2.052**	**2.041**	**1.963**	**1.966**	**2.060**
Stddev	.034	.002	.020	.001	.008	.002	.036
%RSD	1.601	.0918	.9911	.0243	.4300	.0822	1.735
#1	2.159	2.090	2.037	2.041	1.957	1.965	2.086
#2	2.111	2.092	2.066	2.041	1.969	1.967	2.035
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	**68921.**	**13873.**	**2684.6**	**3667.3**
Stddev	24.	241.	8.6	15.4
%RSD	.03420	1.7370	.31980	.41912
#1	68904.	13703.	2690.7	3678.2
#2	68938.	14043.	2678.5	3656.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 13:39:00 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0002**	**-.0001**	**-.0001**	**.0004**	**.0001**	**.0002**	**.0005**
Stddev	.0002	.0001	.0001	.0000	.0001	.0002	.0000	.0004	.0003
%RSD	226.7	231.3	37.96	77.04	62.43	53.56	15.29	240.1	72.33
#1	.0002	-.0000	.0001	-.0001	-.0002	.0003	.0001	.0004	.0002
#2	-.0000	.0001	.0002	-.0000	-.0001	.0006	.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	**.0001**	**.0004**	**-.0005**	**.0003**	**.0008**	**-.0019**	**.0011**	**-.0014**	**.0112**
Stddev	.0001	.0000	.0007	.0001	.0001	.0010	.0012	.0024	.0043
%RSD	252.6	.5998	138.0	44.63	11.68	52.37	111.0	168.3	38.49
#1	-.0000	.0004	-.0000	.0002	.0008	-.0027	.0019	-.0032	.0081
#2	.0001	.0004	-.0009	.0004	.0009	-.0012	.0002	.0003	.0142
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	**.0147**	**-.0054**	**.0276**	**.0057**	**.0001**	**.0006**	**.0008**	**-.0003**	**.0000**
Stddev	.0029	.0011	.0281	.0018	.0000	.0002	.0009	.0002	.0004
%RSD	19.48	20.73	101.8	31.01	33.33	28.32	106.1	61.00	7563.
#1	.0168	-.0062	.0475	.0045	.0002	.0007	.0002	-.0002	-.0002
#2	.0127	-.0046	.0077	.0070	.0001	.0005	.0015	-.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 13:39:00 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0083**	**.0003**	**.0019**	**.0023**	**-.0000**
Stddev	.0000	.0003	.0022	.0000	.0011	.0013	.0004
%RSD	32.45	71.71	26.16	6.181	60.05	57.14	3056.
#1	-.0001	.0002	.0098	.0003	.0027	.0014	.0003
#2	-.0001	.0007	.0067	.0003	.0011	.0033	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73502.**	**14000.**	**2786.2**	**3913.5**
Stddev	2326.	9.	36.2	51.8
%RSD	3.1645	.06129	1.2989	1.3235
#1	71857.	13994.	2811.7	3950.1
#2	75147.	14007.	2760.6	3876.8

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/4/2014 13:45:05 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0001**	**-.0003**	**.0001**	**.0013**	**.0009**	**.0005**	**.0046**	**.0004**
Stddev	.0002	.0000	.0002	.0001	.0005	.0003	.0000	.0002	.0006
%RSD	16.95	59.27	52.01	60.31	38.95	31.28	2.380	4.294	156.8
#1	.0012	.0000	-.0002	.0002	.0016	.0007	.0005	.0044	-.0000
#2	.0010	.0001	-.0004	.0001	.0009	.0010	.0005	.0047	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0716**	**.0003**	**.0011**	**.0007**	**-.0017**	**-.0001**	**.0012**	**.1369**
Stddev	.0001	.0007	.0004	.0006	.0007	.0022	.0004	.0015	.0005
%RSD	79.23	.9230	127.4	53.07	104.3	131.5	621.7	123.2	.3660
#1	.0002	.0712	.0000	.0015	.0012	-.0001	-.0003	.0023	.1372
#2	.0001	.0721	.0006	.0007	.0002	-.0032	.0002	.0002	.1365

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0532**	**.0209**	**.0098**	**.0297**	**-.0000**	**.0010**	**-.0011**	**.0214**	**.0113**
Stddev	.0017	.0173	.0248	.0036	.0002	.0000	.0003	.0013	.0001
%RSD	3.226	82.95	253.8	12.21	2066.	1.928	23.17	5.941	1.252
#1	.0544	.0331	-.0078	.0323	-.0001	.0010	-.0013	.0205	.0114
#2	.0520	.0086	.0273	.0272	.0001	.0010	-.0009	.0223	.0112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0003**	**-.0027**	**-.0001**	**.0037**	**.0008**	**.0008**
Stddev	.0001	.0001	.0009	.0000	.0009	.0014	.0006
%RSD	25.59	19.73	34.75	45.24	25.29	174.7	71.22
#1	.0003	.0003	-.0033	-.0001	.0031	.0018	.0004
#2	.0002	.0004	-.0020	-.0000	.0044	-.0002	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70679.**	**14104.**	**2723.2**	**3860.6**
Stddev	115.	72.	19.7	24.6
%RSD	.16330	.51362	.72463	.63804
#1	70761.	14155.	2737.1	3878.0
#2	70598.	14053.	2709.2	3843.2

Zoom In Zoom Out

Sample Name: mp79835-mb1 2 Acquired: 6/4/2014 13:51:08 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0001**	**-.0000**	**.0007**	**.0007**	**.0001**	**.0039**	**.0001**
Stddev	.0001	.0001	.0001	.0000	.0003	.0001	.0001	.0001	.0003
%RSD	576.5	108.2	54.34	617.0	47.44	9.007	75.05	2.771	447.1
#1	.0001	-.0000	.0001	.0000	.0009	.0006	.0001	.0038	.0003
#2	-.0001	-.0002	.0001	-.0000	.0005	.0007	.0002	.0040	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0027**	**.0003**	**.0000**	**.0019**	**-.0010**	**.0001**	**.0009**	**.0243**
Stddev	.0000	.0001	.0007	.0006	.0005	.0006	.0000	.0053	.0008
%RSD	2.291	2.401	247.0	1339.	28.04	59.21	52.03	620.2	3.137
#1	.0002	.0027	-.0002	-.0004	.0015	-.0015	.0001	.0046	.0248
#2	.0002	.0028	.0008	.0005	.0022	-.0006	.0001	-.0029	.0238

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0072**	**.0021**	**.0074**	**.0087**	**.0002**	**.0012**	**-.0002**	**.0052**	**.0056**
Stddev	.0005	.0230	.0250	.0029	.0002	.0003	.0009	.0004	.0007
%RSD	7.093	1116.	335.4	33.13	137.7	23.43	348.9	7.027	12.54
#1	.0075	.0183	-.0102	.0107	.0000	.0014	-.0009	.0054	.0051
#2	.0068	-.0142	.0251	.0066	.0004	.0010	.0004	.0049	.0061

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0009**	**-.0005**	**.0001**	**.0073**	**.0013**	**.0008**
Stddev	.0000	.0007	.0008	.0002	.0008	.0008	.0008
%RSD	86.20	75.86	159.0	159.5	10.66	65.80	97.06
#1	-.0000	.0004	-.0011	.0002	.0067	.0007	.0003
#2	-.0000	.0014	.0001	-.0000	.0078	.0019	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70990.**	**14285.**	**2718.6**	**3849.0**
Stddev	457.	696.	38.8	56.9
%RSD	.64437	4.8704	1.4275	1.4776
#1	71314.	14777.	2746.0	3889.3
#2	70667.	13793.	2691.1	3808.8

Zoom In Zoom Out

Sample Name: jb68093-3 Acquired: 6/4/2014 13:57:12 Type: Unk
Method: Accutest1(v343) 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	**1.782**	**.0195**	**.0159**	**.5777**	**.8892**	**1.556**	**25.25**	**.6322**	**-.0092**
Stddev	.007	.0001	.0003	.0031	.0625	.104	1.00	.0002	.0333
%RSD	.3988	.5936	2.153	.5447	7.034	6.706	3.956	.0343	361.7
#1	1.787	.0196	.0156	.5799	.8449	1.482	24.54	.6324	.0143
#2	1.777	.0194	.0161	.5755	.9334	1.630	25.96	.6321	-.0328

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.857**	**1.668**	**.1350**	**.0062**	**.9260**	**.0678**	**.0013**	**513.0**	**163.1**
Stddev	.122	.001	.0003	.0064	.0053	.0001	.0012	2.6	.5
%RSD	6.546	.0588	.2191	103.6	.5711	.1392	93.60	.5055	.2949
#1	1.771	1.668	.1352	.0016	.9298	.0679	.0021	514.8	163.5
#2	1.943	1.667	.1348	.0107	.9223	.0677	.0004	511.2	162.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**765.5**	**118.6**	**34.57**	**60.82**	**.1387**	**.0116**	**.0672**	**108.1**	**.0354**
Stddev	1.5	.2	.13	.14	.0001	.0009	.0009	.3	.0044
%RSD	.1980	.1650	.3891	.2366	.0594	7.982	1.290	.2831	12.38
#1	766.6	118.7	34.66	60.92	.1386	.0122	.0666	107.9	.0323
#2	764.4	118.5	34.47	60.71	.1387	.0109	.0678	108.3	.0385

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9436**	**12.06**	**.1654**	**.0049**	**5.404**	**.0567**	**.3338**
Stddev	.0033	.81	.0010	.0034	.004	.0062	.0009
%RSD	.3491	6.703	.6198	70.49	.0660	10.92	.2628
#1	.9460	11.49	.1647	.0025	5.402	.0523	.3345
#2	.9413	12.63	.1661	.0073	5.407	.0611	.3332

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	70851.	14807.	2843.7	3688.7
Stddev	3950.	94.	1.2	1.5
%RSD	5.5751	.63222	.04208	.03942
#1	73644.	14741.	2844.5	3687.7
#2	68058.	14874.	2842.8	3689.7

Zoom In Zoom Out

Sample Name: jb68102-1a Acquired: 6/4/2014 14:03:13 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0000**	**.0001**	**-.0001**	**.0004**	**.0010**	**.0006**	**-.0000**	**.0003**
Stddev	.0001	.0000	.0000	.0001	.0001	.0003	.0000	.0000	.0004
%RSD	421.1	72.60	11.31	158.2	19.68	28.12	7.730	109.2	153.6
#1	.0001	-.0000	.0001	.0000	.0003	.0008	.0006	-.0000	.0006
#2	-.0001	-.0000	.0001	-.0002	.0005	.0012	.0006	-.0001	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0012**	**-.0011**	**-.0002**	**-.0001**	**-.0010**	**.0000**	**.0048**	**.0275**
Stddev	.0002	.0001	.0007	.0010	.0007	.0010	.0017	.0040	.0029
%RSD	367.5	9.721	59.73	474.5	489.2	107.6	4223.	84.91	10.58
#1	.0002	.0013	-.0007	.0005	.0003	-.0017	-.0012	.0076	.0254
#2	-.0001	.0012	-.0016	-.0009	-.0006	-.0002	.0013	.0019	.0295

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0434**	**-.0059**	**.0161**	**.0102**	**-.0002**	**.0002**	**-.0012**	**.0723**	**.0007**
Stddev	.0003	.0090	.0083	.0032	.0003	.0001	.0014	.0044	.0001
%RSD	.6175	151.7	51.29	31.64	169.6	38.63	118.1	6.103	15.55
#1	.0436	.0004	.0103	.0079	-.0004	.0001	-.0002	.0754	.0008
#2	.0432	-.0123	.0219	.0125	.0000	.0003	-.0021	.0691	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0019**	**.0012**	**-.0000**	**.0075**	**-.0002**	**-.0002**
Stddev	.0000	.0000	.0003	.0002	.0026	.0000	.0002
%RSD	54.04	1.387	24.72	1178.	34.84	14.52	105.7
#1	.0001	.0019	.0010	.0002	.0094	-.0002	-.0004
#2	.0000	.0018	.0014	-.0002	.0057	-.0002	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71046.	13947.	2740.9	3871.4
Stddev	44.	61.	10.1	15.1
%RSD	.06178	.44044	.36996	.39115
#1	71077.	13991.	2748.1	3882.1
#2	71015.	13904.	2733.8	3860.7

Zoom In Zoom Out

Sample Name: mp79856-b1 Acquired: 6/4/2014 14:09:17 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.204**	**.1096**	**.0995**	**1.009**	**.4146**	**.5037**	**1.032**	**1.012**	**.1088**
Stddev	.008	.0001	.0007	.006	.0015	.0009	.003	.006	.0002
%RSD	.1967	.0483	.7105	.5539	.3638	.1884	.2862	.6038	.1924
#1	4.198	.1096	.0990	1.005	.4136	.5031	1.029	1.008	.1087
#2	4.209	.1096	.1000	1.013	.4157	.5044	1.034	1.017	.1090

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9558**	**1.056**	**3.905**	**4.146**	**1.015**	**4.275**	**.9902**	**56.69**	**13.30**
Stddev	.0034	.008	.020	.015	.004	.018	.0023	.02	.07
%RSD	.3585	.7305	.5102	.3513	.4144	.4304	.2278	.0381	.5118
#1	.9534	1.051	3.891	4.136	1.012	4.262	.9886	56.70	13.35
#2	.9582	1.062	3.919	4.157	1.018	4.288	.9918	56.67	13.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**56.17**	**13.18**	**13.14**	**13.50**	**.9742**	**1.023**	**1.086**	**.9395**	**1.028**
Stddev	.18	.10	.03	.03	.0039	.004	.002	.0031	.004
%RSD	.3186	.7230	.2277	.2412	.3984	.3540	.2016	.3322	.4385
#1	56.29	13.24	13.12	13.48	.9715	1.021	1.084	.9373	1.025
#2	56.04	13.11	13.16	13.52	.9770	1.026	1.087	.9417	1.031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.041**	**.9817**	**.0455**	**.0020**	**.0120**	**.0080**	**.0001**
Stddev	.001	.0004	.0005	.0000	.0018	.0001	.0015
%RSD	.0700	.0399	1.161	2.384	14.91	1.772	2317.
#1	1.041	.9814	.0459	.0020	.0108	.0081	.0011
#2	1.042	.9820	.0451	.0020	.0133	.0079	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70709.**	**14022.**	**2734.0**	**3807.5**
Stddev	135.	10.	11.6	18.4
%RSD	.19104	.06778	.42409	.48405
#1	70804.	14015.	2742.2	3820.5
#2	70613.	14029.	2725.8	3794.4

Zoom In Zoom Out

Sample Name: jb68351-4 Acquired: 6/4/2014 14:15:07 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4539**	**.0063**	**.0023**	**.0427**	**.2616**	**.0871**	**.7924**	**.1178**	**.0041**
Stddev	.0006	.0001	.0001	.0001	.0003	.0009	.0008	.0002	.0001
%RSD	.1372	1.301	6.135	.1814	.1210	1.062	.1033	.2004	3.237
#1	.4543	.0062	.0024	.0428	.2613	.0864	.7919	.1176	.0040
#2	.4534	.0064	.0022	.0427	.2618	.0877	.7930	.1179	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2613**	**.3038**	**.0495**	**.0005**	**.1059**	**.0081**	**-.0006**	**141.4**	**8.874**
Stddev	.0005	.0001	.0001	.0002	.0011	.0019	.0031	1.1	.086
%RSD	.1728	.0479	.2925	37.65	1.017	23.93	540.4	.8125	.9699
#1	.2610	.3037	.0496	.0004	.1067	.0095	-.0028	142.2	8.935
#2	.2617	.3039	.0494	.0006	.1052	.0068	.0016	140.6	8.814

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**164.5**	**28.73**	**12.13**	**1.126**	**.0450**	**.0043**	**-.0348**	**3.588**	**.0186**
Stddev	1.2	.13	.07	.008	.0005	.0001	.0014	.056	.0008
%RSD	.7053	.4363	.5730	.7233	1.204	2.136	4.047	1.569	4.093
#1	165.3	28.82	12.18	1.120	.0446	.0043	-.0358	3.627	.0192
#2	163.7	28.64	12.08	1.132	.0453	.0042	-.0338	3.548	.0181

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0878**	**4.032**	**.0020**	**.1192**	**.9295**	**.0068**	**.1377**
Stddev	.0000	.005	.0002	.0001	.0005	.0001	.0017
%RSD	.0429	.1179	11.01	.0816	.0539	1.515	1.270
#1	.0879	4.035	.0019	.1191	.9299	.0068	.1364
#2	.0878	4.028	.0022	.1192	.9291	.0067	.1389

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74079.**	**15017.**	**2825.2**	**3707.3**
Stddev	248.	205.	7.9	12.8
%RSD	.33510	1.3676	.27827	.34415
#1	74255.	14872.	2819.7	3698.3
#2	73904.	15163.	2830.8	3716.4

Zoom In Zoom Out

Sample Name: jb68351-1 Acquired: 6/4/2014 14:21:03 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6412**	**.0071**	**.0034**	**.0612**	**.2889**	**.1656**	**2.227**	**.1299**	**.0028**
Stddev	.0013	.0000	.0001	.0001	.0014	.0005	.009	.0002	.0006
%RSD	.2064	.0637	3.680	.1256	.4805	.3119	.4262	.1566	21.17
#1	.6421	.0071	.0033	.0612	.2898	.1660	2.233	.1298	.0033
#2	.6402	.0071	.0035	.0611	.2879	.1652	2.220	.1301	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3547**	**.5282**	**.0796**	**.0020**	**.7476**	**.0118**	**-.0001**	**215.2**	**29.53**
Stddev	.0008	.0006	.0005	.0011	.0015	.0000	.0002	.3	.02
%RSD	.2239	.1222	.6473	55.25	.2020	.1265	133.8	.1359	.0552
#1	.3553	.5277	.0792	.0012	.7486	.0118	-.0003	215.0	29.54
#2	.3542	.5286	.0799	.0028	.7465	.0118	-.0000	215.4	29.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**234.2**	**22.14**	**11.39**	**1.349**	**.0289**	**.0083**	**-.0279**	**3.608**	**.0669**
Stddev	.2	.05	.03	.002	.0003	.0004	.0009	.013	.0000
%RSD	.0842	.2411	.2867	.1773	.9763	4.315	3.107	.3521	.0318
#1	234.4	22.10	11.37	1.348	.0291	.0085	-.0285	3.616	.0668
#2	234.1	22.18	11.41	1.351	.0287	.0080	-.0273	3.599	.0669

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1319**	**3.937**	**.0053**	**.0880**	**1.069**	**.0158**	**.1368**
Stddev	.0001	.017	.0002	.0006	.003	.0014	.0001
%RSD	.0987	.4206	4.583	.7161	.2682	8.684	.0951
#1	.1320	3.948	.0055	.0876	1.067	.0148	.1369
#2	.1318	3.925	.0051	.0885	1.071	.0167	.1367

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70490.**	**14577.**	**2726.0**	**3684.7**
Stddev	145.	14.	.1	1.4
%RSD	.20570	.09835	.00538	.03873
#1	70388.	14567.	2725.9	3683.6
#2	70593.	14587.	2726.1	3685.7

Zoom In Zoom Out

Sample Name: jb68351-2 Acquired: 6/4/2014 14:26:56 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6091**	**.0043**	**.0024**	**.0246**	**.1665**	**.1994**	**.6962**	**.0740**	**.0050**
Stddev	.0000	.0001	.0000	.0002	.0008	.0020	.0024	.0004	.0005
%RSD	.0028	2.848	.9513	.9778	.5101	.9871	.3437	.5880	10.53
#1	.6091	.0044	.0024	.0244	.1659	.2008	.6945	.0737	.0054
#2	.6091	.0042	.0024	.0248	.1671	.1980	.6978	.0743	.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2476**	**.8680**	**.0522**	**.0012**	**.2374**	**.0093**	**.0044**	**124.1**	**5.041**
Stddev	.0005	.0041	.0000	.0012	.0014	.0042	.0003	.2	.001
%RSD	.1876	.4708	.0500	96.28	.5726	45.34	7.982	.1253	.0281
#1	.2472	.8651	.0522	.0020	.2384	.0063	.0041	124.2	5.040
#2	.2479	.8709	.0521	.0004	.2364	.0122	.0046	124.0	5.042

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**128.1**	**12.75**	**6.541**	**.5962**	**.0192**	**.0136**	**-.0181**	**4.258**	**.0385**
Stddev	.2	.03	.040	.0026	.0001	.0002	.0013	.032	.0001
%RSD	.1406	.2576	.6134	.4282	.7327	1.318	7.362	.7539	.3516
#1	128.0	12.78	6.570	.5944	.0191	.0135	-.0172	4.281	.0386
#2	128.3	12.73	6.513	.5980	.0193	.0137	-.0191	4.236	.0384

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0684**	**2.616**	**.0068**	**.0580**	**2.518**	**.0065**	**.1365**
Stddev	.0000	.006	.0018	.0003	.008	.0002	.0019
%RSD	.0375	.2150	25.84	.5949	.3332	2.438	1.414
#1	.0684	2.620	.0056	.0578	2.512	.0066	.1351
#2	.0684	2.612	.0081	.0583	2.524	.0064	.1378

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70930.**	**14471.**	**2751.1**	**3749.1**
Stddev	181.	91.	9.4	9.0
%RSD	.25529	.62608	.34173	.23973
#1	70802.	14407.	2757.7	3755.4
#2	71058.	14535.	2744.4	3742.7

Zoom In Zoom Out

Sample Name: jb68351-3 Acquired: 6/4/2014 14:32:51 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4512**	**.0075**	**.0032**	**.0640**	**.2444**	**.1015**	**1.516**	**.1120**	**.0086**
Stddev	.0084	.0002	.0001	.0043	.0062	.0019	.031	.0053	.0003
%RSD	1.865	2.151	2.402	6.643	2.552	1.834	2.074	4.737	3.688
#1	.4572	.0076	.0033	.0610	.2488	.1028	1.538	.1083	.0083
#2	.4453	.0074	.0032	.0670	.2400	.1002	1.493	.1158	.0088

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2910**	**.5455**	**.0654**	**-.0010**	**.8668**	**.0107**	**-.0021**	**121.6**	**11.19**
Stddev	.0062	.0270	.0022	.0025	.0385	.0062	.0024	2.4	.22
%RSD	2.133	4.952	3.359	239.7	4.441	58.19	114.5	1.996	1.927
#1	.2954	.5264	.0638	.0007	.8395	.0151	-.0004	123.3	11.34
#2	.2866	.5646	.0669	-.0028	.8940	.0063	-.0038	119.9	11.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**218.2**	**23.41**	**11.52**	**.4910**	**.0433**	**.0061**	**-.0294**	**2.853**	**.0188**
Stddev	4.1	.42	.19	.0059	.0015	.0003	.0035	.123	.0003
%RSD	1.874	1.805	1.629	1.200	3.451	5.461	11.99	4.316	1.408
#1	221.1	23.71	11.65	.4952	.0422	.0058	-.0319	2.766	.0190
#2	215.3	23.11	11.39	.4868	.0443	.0063	-.0269	2.940	.0186

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0840**	**4.550**	**.0040**	**.0956**	**.5366**	**.0121**	**.1130**
Stddev	.0016	.096	.0011	.0019	.0247	.0004	.0022
%RSD	1.895	2.108	28.22	1.946	4.596	3.469	1.946
#1	.0851	4.618	.0032	.0969	.5191	.0118	.1146
#2	.0829	4.482	.0048	.0942	.5540	.0124	.1115

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74937.**	**14831.**	**2791.8**	**3691.0**
Stddev	1175.	240.	118.2	151.0
%RSD	1.5677	1.6199	4.2318	4.0906
#1	74106.	14661.	2875.4	3797.7
#2	75767.	15001.	2708.3	3584.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/4/2014 14:38:47 Type: Unk
Method: Accutest1(v343) 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	**10.77**	**11.00**	**10.33**	**10.38**	**10.41**	**10.24**	**10.37**	**10.31**	**1.295**
Stddev	.00	.02	.19	.21	.05	.03	.02	.21	.002
%RSD	.0065	.1414	1.861	1.994	.4388	.2484	.1775	2.031	.1297
#1	10.77	10.99	10.19	10.23	10.44	10.22	10.38	10.16	1.297
#2	10.77	11.01	10.46	10.53	10.37	10.25	10.36	10.46	1.294

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**10.27**	**10.59**	**10.07**	**10.55**	**10.31**	**10.45**	**10.23**	**220.5**	**217.9**
Stddev	.03	.25	.22	.15	.20	.20	.17	.6	.5
%RSD	.2595	2.328	2.139	1.445	1.960	1.953	1.659	.2525	.2155
#1	10.29	10.42	9.916	10.45	10.17	10.30	10.11	220.1	217.6
#2	10.25	10.77	10.22	10.66	10.46	10.59	10.35	220.9	218.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**222.3**	**213.9**	**219.5**	**215.6**	**10.57**	**10.63**	**10.91**	**25.40**	**10.66**
Stddev	.1	.6	.7	.7	.18	.22	.08	.45	.22
%RSD	.0444	.2748	.3048	.3056	1.659	2.061	.7373	1.774	2.089
#1	222.2	213.4	219.0	215.1	10.44	10.47	10.86	25.08	10.50
#2	222.3	214.3	220.0	216.0	10.69	10.78	10.97	25.72	10.81

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**10.90**	**10.34**	**10.35**	**10.13**	**9.978**	**9.960**	**10.50**
Stddev	.01	.01	.30	.02	.192	.151	.03
%RSD	.0524	.0486	2.853	.1609	1.927	1.519	.2388
#1	10.89	10.34	10.15	10.14	9.842	9.853	10.49
#2	10.90	10.33	10.56	10.12	10.11	10.07	10.52

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68703.**	**13646.**	**2638.3**	**3614.2**
Stddev	54.	15.	36.5	47.3
%RSD	.07820	.10880	1.3822	1.3098
#1	68665.	13635.	2664.1	3647.6
#2	68741.	13656.	2612.6	3580.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 14:45:42 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.090**	**2.149**	**1.982**	**1.998**	**2.029**	**1.995**	**2.025**	**1.985**	**.2511**
Stddev	.003	.005	.017	.016	.004	.012	.007	.018	.0015
%RSD	.1398	.2137	.8412	.7990	.2105	.6190	.3261	.9167	.6156
#1	2.092	2.152	1.970	1.986	2.032	1.986	2.030	1.972	.2500
#2	2.088	2.146	1.993	2.009	2.026	2.004	2.021	1.998	.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	**2.003**	**2.036**	**1.929**	**2.035**	**1.987**	**2.003**	**1.959**	**42.91**	**42.66**
Stddev	.004	.019	.018	.021	.016	.016	.014	.03	.08
%RSD	.1994	.9174	.9226	1.033	.7932	.7856	.7014	.0647	.1856
#1	2.006	2.023	1.916	2.020	1.976	1.992	1.949	42.89	42.60
#2	2.001	2.049	1.941	2.049	1.998	2.014	1.969	42.93	42.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**43.36**	**41.91**	**42.73**	**41.83**	**2.030**	**2.041**	**2.124**	**4.868**	**2.047**
Stddev	.02	.08	.01	.10	.018	.018	.021	.045	.017
%RSD	.0521	.1882	.0163	.2358	.8962	.8750	.9640	.9229	.8123
#1	43.35	41.86	42.74	41.90	2.017	2.028	2.109	4.836	2.035
#2	43.38	41.97	42.73	41.76	2.042	2.053	2.138	4.899	2.059
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 14:45:42 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.116**	**2.019**	**2.008**	**1.976**	**1.918**	**1.916**	**2.034**
Stddev	.002	.008	.027	.000	.014	.014	.009
%RSD	.0903	.3993	1.350	.0059	.7366	.7520	.4544
#1	2.117	2.025	1.989	1.976	1.908	1.906	2.040
#2	2.115	2.014	2.027	1.976	1.928	1.927	2.027
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	**68915.**	**13537.**	**2668.1**	**3649.0**
Stddev	52.	47.	18.3	23.9
%RSD	.07565	.34492	.68583	.65626
#1	68879.	13570.	2681.1	3665.9
#2	68952.	13504.	2655.2	3632.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 14:51:31 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0002**	**.0000**	**.0002**	**.0001**	**.0001**	**.0003**	**-.0001**
Stddev	.0002	.0001	.0002	.0001	.0001	.0003	.0000	.0004	.0002
%RSD	243.7	48.58	96.62	2374.	63.67	553.9	17.96	123.9	252.1
#1	-.0002	.0002	.0003	.0001	.0001	.0003	.0001	.0000	.0001
#2	.0001	.0001	.0001	-.0000	.0003	-.0002	.0001	.0006	-.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**	**.0007**	**.0006**	**.0008**	**.0009**	**-.0004**	**-.0001**	**.0050**	**.0146**
Stddev	.0004	.0000	.0009	.0004	.0008	.0006	.0000	.0062	.0047
%RSD	137.3	.4044	136.8	54.16	91.60	177.1	10.57	123.8	32.22
#1	.0005	.0007	.0012	.0005	.0015	-.0008	-.0001	.0094	.0113
#2	.0000	.0007	.0000	.0011	.0003	.0001	-.0001	.0006	.0179
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	**.0104**	**-.0014**	**.0276**	**.0066**	**.0006**	**.0007**	**-.0009**	**.0032**	**.0003**
Stddev	.0007	.0113	.0090	.0059	.0007	.0004	.0020	.0012	.0007
%RSD	6.676	824.6	32.72	90.31	115.5	53.58	221.6	37.11	190.3
#1	.0109	.0066	.0340	.0024	.0001	.0010	-.0024	.0023	-.0001
#2	.0099	-.0094	.0213	.0108	.0012	.0004	.0005	.0040	.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 14:51:31 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0000**	**.0129**	**.0006**	**.0017**	**.0004**	**.0002**
Stddev	.0001	.0000	.0024	.0000	.0003	.0003	.0005
%RSD	188.0	183.7	18.94	4.542	16.79	70.27	313.5
#1	-.0000	.0000	.0146	.0006	.0015	.0002	.0006
#2	.0001	-.0000	.0111	.0006	.0019	.0006	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71031.**	**13759.**	**2768.8**	**3884.5**
Stddev	34.	32.	11.6	14.4
%RSD	.04837	.23337	.41731	.36974
#1	71006.	13736.	2776.9	3894.7
#2	71055.	13781.	2760.6	3874.4

Zoom In Zoom Out

Sample Name: mp79856-mb1 Acquired: 6/4/2014 14:57:37 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0001**	**.0001**	**-.0000**	**.0002**	**.0007**	**.0018**	**.0007**	**.0003**
Stddev	.0001	.0001	.0000	.0001	.0005	.0006	.0000	.0000	.0003
%RSD	28.21	136.0	47.92	3197.	276.8	88.31	.9760	6.955	73.16
#1	.0005	.0000	.0001	-.0000	-.0002	.0003	.0018	.0007	.0005
#2	.0003	.0001	.0001	.0000	.0006	.0012	.0018	.0006	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0043**	**-.0002**	**-.0004**	**.0005**	**.0005**	**.0002**	**.0312**	**.1043**
Stddev	.0000	.0001	.0019	.0011	.0004	.0018	.0001	.0055	.0011
%RSD	5.270	1.172	1232.	263.5	74.56	364.2	58.44	17.75	1.015
#1	.0004	.0044	.0012	-.0012	.0008	-.0008	.0003	.0273	.1035
#2	.0004	.0043	-.0015	.0004	.0002	.0018	.0001	.0351	.1050

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0528**	**.0360**	**.0353**	**.0382**	**.0002**	**.0003**	**.0005**	**.0176**	**.0255**
Stddev	.0045	.0195	.0069	.0004	.0001	.0000	.0005	.0001	.0002
%RSD	8.513	54.14	19.64	1.108	45.20	8.752	107.9	.4994	.6583
#1	.0497	.0222	.0401	.0379	.0002	.0003	.0008	.0176	.0256
#2	.0560	.0498	.0304	.0385	.0001	.0003	.0001	.0175	.0253

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0016**	**.0037**	**.0008**	**.0160**	**.0008**	**-.0009**
Stddev	.0001	.0002	.0021	.0000	.0023	.0007	.0005
%RSD	65.17	13.51	56.27	3.437	14.50	89.05	54.35
#1	.0002	.0014	.0052	.0007	.0143	.0003	-.0013
#2	.0001	.0017	.0022	.0008	.0176	.0012	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71349.	14033.	2762.5	3896.9
Stddev	169.	32.	6.5	9.9
%RSD	.23633	.22501	.23545	.25322
#1	71230.	14055.	2767.1	3903.9
#2	71468.	14011.	2757.9	3889.9

Zoom In Zoom Out

Sample Name: jb68093-3 Acquired: 6/4/2014 15:03:41 Type: Unk
Method: Accutest1(v343) 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	**1.816**	**.0201**	**.0164**	**.5843**	**.8631**	**1.514**	**25.06**	**.6393**	**.0203**
Stddev	.024	.0001	.0006	.0080	.0106	.026	.21	.0081	.0039
%RSD	1.331	.7190	3.877	1.375	1.229	1.716	.8319	1.260	19.32
#1	1.833	.0202	.0159	.5786	.8706	1.532	25.21	.6336	.0175
#2	1.799	.0200	.0168	.5900	.8556	1.495	24.91	.6450	.0231

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.797**	**1.677**	**.1396**	**-.0030**	**.9331**	**.0788**	**.0005**	**526.2**	**167.6**
Stddev	.019	.019	.0012	.0013	.0066	.0163	.0029	5.9	2.0
%RSD	1.074	1.130	.8627	44.07	.7116	20.69	582.1	1.123	1.197
#1	1.811	1.664	.1388	-.0021	.9284	.0903	.0026	530.3	169.0
#2	1.784	1.691	.1405	-.0040	.9378	.0673	-.0016	522.0	166.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**782.7**	**121.4**	**35.57**	**62.29**	**.1396**	**.0106**	**.0715**	**109.7**	**.0322**
Stddev	8.3	1.5	.29	.70	.0005	.0003	.0012	1.6	.0005
%RSD	1.059	1.244	.8093	1.116	.3708	3.089	1.688	1.489	1.564
#1	788.5	122.5	35.78	62.79	.1400	.0109	.0706	108.5	.0318
#2	776.8	120.4	35.37	61.80	.1393	.0104	.0723	110.8	.0325

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9653**	**11.56**	**.1691**	**.0007**	**5.420**	**.0579**	**.3436**
Stddev	.0107	.11	.0044	.0033	.052	.0012	.0034
%RSD	1.113	.9372	2.627	471.1	.9633	2.102	.9957
#1	.9729	11.64	.1660	.0031	5.383	.0587	.3460
#2	.9577	11.48	.1722	-.0016	5.457	.0570	.3411

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	72838.	14461.	2838.7	3667.0
Stddev	798.	165.	35.1	39.7
%RSD	1.0961	1.1440	1.2349	1.0828
#1	72273.	14344.	2863.4	3695.1
#2	73402.	14578.	2813.9	3638.9

Zoom In Zoom Out

Sample Name: mp79859-b1 Acquired: 6/4/2014 15:09:40 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.320**	**.0594**	**.0522**	**.5607**	**.2363**	**.2922**	**.5858**	**.5604**	**.0542**
Stddev	.005	.0004	.0003	.0033	.0006	.0015	.0005	.0001	.0001
%RSD	.2352	.7095	.5037	.0557	.2464	.5133	.0775	.0234	.2485
#1	2.316	.0591	.0524	.5609	.2359	.2933	.5861	.5605	.0541
#2	2.324	.0597	.0520	.5605	.2367	.2911	.5854	.5603	.0543

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5422**	**.5820**	**2.069**	**2.296**	**2.253**	**2.165**	**.5280**	**2.373**	**.0735**
Stddev	.0010	.0002	.003	.002	.002	.008	.0037	.015	.0036
%RSD	.1802	.0401	.1612	.0936	.0905	.3886	.7080	.6249	4.945
#1	.5429	.5822	2.072	2.297	2.254	2.171	.5307	2.384	.0709
#2	.5415	.5818	2.067	2.294	2.251	2.159	.5254	2.363	.0760

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.321**	**.0362**	**.0293**	**.1052**	**.0003**	**.0010**	**.0016**	**.4709**	**.0005**
Stddev	.008	.0153	.0223	.0051	.0002	.0000	.0022	.0129	.0000
%RSD	.6246	42.18	76.12	4.883	64.24	.7906	143.4	2.736	6.652
#1	1.315	.0470	.0451	.1089	.0005	.0010	.0031	.4800	.0005
#2	1.327	.0254	.0136	.1016	.0002	.0010	-.0000	.4618	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0112**	**.0019**	**.0311**	**.0033**	**.0062**	**.0008**	**-.0001**
Stddev	.0000	.0006	.0001	.0000	.0030	.0004	.0002
%RSD	.0615	30.97	.1676	.0925	49.30	52.53	196.8
#1	.0112	.0023	.0311	.0033	.0040	.0011	.0000
#2	.0112	.0014	.0311	.0033	.0083	.0005	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	70051.	13675.	2720.2	3801.9
Stddev	92.	27.	1.4	5.4
%RSD	.13068	.19504	.04977	.14087
#1	69987.	13694.	2721.1	3805.7
#2	70116.	13656.	2719.2	3798.1

Zoom In Zoom Out

Sample Name: mp79859-mb1 Acquired: 6/4/2014 15:15:39 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0026**	**.0000**	**.0002**	**.0002**	**-.0003**	**.0005**	**.0025**	**.0014**	**.0009**
Stddev	.0001	.0001	.0001	.0002	.0001	.0000	.0000	.0001	.0003
%RSD	3.101	162.2	55.31	105.4	40.05	3.985	1.628	6.546	29.15
#1	.0026	-.0000	.0002	.0004	-.0002	.0005	.0024	.0015	.0007
#2	.0027	.0001	.0001	.0001	-.0004	.0005	.0025	.0013	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0019**	**.0001**	**-.0015**	**.0007**	**-.0007**	**.0012**	**.0035**	**.1203**
Stddev	.0001	.0000	.0003	.0002	.0005	.0009	.0005	.0099	.0012
%RSD	646.4	1.414	189.1	14.81	69.02	123.5	41.17	285.0	.9667
#1	-.0001	.0019	-.0000	-.0017	.0004	-.0013	.0015	.0105	.1194
#2	.0001	.0019	.0003	-.0013	.0011	-.0001	.0008	-.0035	.1211

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0106**	**.0196**	**.0071**	**.1084**	**.0010**	**.0002**	**.0005**	**.5002**	**.0001**
Stddev	.0008	.0156	.0079	.0027	.0001	.0001	.0013	.0007	.0000
%RSD	7.737	79.35	111.0	2.518	14.70	84.96	239.2	.1488	44.36
#1	.0100	.0306	.0126	.1065	.0009	.0001	.0014	.5007	.0001
#2	.0112	.0086	.0015	.1104	.0011	.0003	-.0004	.4996	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0121**	**.0009**	**.0001**	**-.0003**	**.0027**	**.0009**	**.0002**
Stddev	.0000	.0000	.0001	.0000	.0002	.0015	.0008
%RSD	.2742	5.525	151.8	2.803	7.342	178.2	463.4
#1	.0121	.0009	-.0000	-.0003	.0025	-.0002	-.0004
#2	.0121	.0008	.0001	-.0003	.0028	.0019	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	69856.	13750.	2716.3	3836.4
Stddev	28.	4.	5.9	10.2
%RSD	.04048	.03074	.21781	.26638
#1	69876.	13753.	2720.4	3843.6
#2	69836.	13747.	2712.1	3829.1

Zoom In Zoom Out

Sample Name: jb68093-1a Acquired: 6/4/2014 15:21:42 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0337**	**.0001**	**.0001**	**.0023**	**.0300**	**.0479**	**.0003**	**.0088**	**.0010**
Stddev	.0001	.0000	.0001	.0002	.0003	.0005	.0000	.0000	.0007
%RSD	.1591	29.56	51.04	7.542	1.108	.9481	13.30	.1578	71.93
#1	.0338	.0001	.0001	.0022	.0297	.0476	.0003	.0088	.0015
#2	.0337	.0001	.0002	.0024	.0302	.0482	.0003	.0088	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0165**	**.0010**	**-.0005**	**-.0046**	**.0021**	**.0020**	**.0017**	**1.461**	**79.24**
Stddev	.0003	.0000	.0008	.0004	.0009	.0022	.0009	.005	.02
%RSD	1.673	4.888	170.5	9.466	41.46	112.2	51.51	.3345	.0212
#1	.0163	.0009	.0001	-.0042	.0015	.0004	.0011	1.458	79.23
#2	.0167	.0010	-.0010	-.0049	.0027	.0036	.0023	1.464	79.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1474**	**.0855**	**53.77**	**311.4**	**.0628**	**.0137**	**.0061**	**4.961**	**-.0012**
Stddev	.0017	.0138	.01	2.1	.0004	.0002	.0008	.001	.0001
%RSD	1.182	16.20	.0267	.6677	.6945	1.388	13.46	.0091	7.313
#1	.1486	.0757	53.76	309.9	.0625	.0138	.0055	4.961	-.0013
#2	.1461	.0953	53.78	312.8	.0631	.0136	.0067	4.961	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.580**	**.0008**	**-.0033**	**-.0046**	**16.51**	**.0061**	**.0068**
Stddev	.001	.0001	.0001	.0000	.01	.0016	.0014
%RSD	.0809	8.520	3.541	.5390	.0430	26.96	20.46
#1	1.579	.0009	-.0032	-.0046	16.51	.0049	.0077
#2	1.581	.0008	-.0034	-.0046	16.52	.0073	.0058

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**66027.**	**13346.**	**2572.3**	**3513.6**
Stddev	48.	18.	1.0	3.1
%RSD	.07247	.13547	.03718	.08748
#1	65993.	13359.	2573.0	3515.7
#2	66061.	13333.	2571.7	3511.4

Zoom In Zoom Out

Sample Name: mp79863-lc1 1 Acquired: 6/4/2014 15:27:49 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5246**	**.5306**	**.5093**	**.4943**	**.5182**	**.5038**	**.5165**	**.5021**	**.2007**
Stddev	.0013	.0018	.0026	.0026	.0049	.0009	.0034	.0014	.0020
%RSD	.2523	.3379	.5138	.5193	.9362	.1802	.6533	.2824	.9864
#1	.5236	.5293	.5075	.4925	.5217	.5044	.5189	.5011	.2021
#2	.5255	.5319	.5112	.4961	.5148	.5031	.5141	.5031	.1993

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4852**	**.5282**	**.4987**	**.5373**	**.5147**	**.5431**	**.5087**	**5.418**	**5.978**
Stddev	.0033	.0025	.0008	.0025	.0020	.0028	.0028	.001	.009
%RSD	.6761	.4650	.1545	.4616	.3904	.5065	.5411	.0114	.1461
#1	.4875	.5265	.4982	.5355	.5133	.5412	.5067	5.418	5.972
#2	.4829	.5300	.4993	.5390	.5161	.5451	.5106	5.419	5.984

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.157**	**5.749**	**10.83**	**10.80**	**.0195**	**.5094**	**.0035**	**.0433**	**.0001**
Stddev	.010	.016	.04	.04	.0001	.0039	.0017	.0005	.0000
%RSD	.1606	.2707	.3367	.3805	.3314	.7643	49.72	1.192	31.19
#1	6.164	5.738	10.81	10.77	.0196	.5067	.0047	.0436	.0001
#2	6.150	5.760	10.86	10.83	.0195	.5122	.0023	.0429	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5140**	**.0076**	**.0006**	**.0091**	**.0026**	**-.0009**
Stddev	.0000	.0030	.0004	.0002	.0002	.0010	.0006
%RSD	27.82	.5839	5.323	30.43	1.937	39.23	64.40
#1	-.0001	.5161	.0073	.0004	.0090	.0033	-.0005
#2	-.0002	.5118	.0079	.0007	.0093	.0019	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69398.**	**13930.**	**2671.9**	**3772.2**
Stddev	209.	63.	18.0	22.5
%RSD	.30122	.45414	.67550	.59521
#1	69250.	13885.	2684.7	3788.1
#2	69545.	13974.	2659.2	3756.4

Zoom In Zoom Out

Sample Name: mp79863-mb1 1 Acquired: 6/4/2014 15:33:44 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0002**	**.0000**	**.0002**	**-.0004**	**.0007**	**.0001**	**.0000**	**-.0001**
Stddev	.0001	.0001	.0000	.0001	.0002	.0004	.0000	.0001	.0000
%RSD	225.9	71.20	52.60	55.94	51.52	65.69	3.295	237.9	12.49
#1	.0000	.0003	.0001	.0003	-.0005	.0010	.0001	-.0000	-.0001
#2	-.0001	.0001	.0000	.0001	-.0002	.0004	.0001	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0014**	**-.0006**	**.0008**	**.0019**	**-.0011**	**.0009**	**.0061**	**.0170**
Stddev	.0002	.0000	.0003	.0007	.0000	.0010	.0003	.0045	.0023
%RSD	75.20	2.596	43.28	80.71	.3489	87.69	38.96	73.76	13.31
#1	.0004	.0013	-.0004	.0004	.0019	-.0018	.0011	.0092	.0186
#2	.0001	.0014	-.0008	.0013	.0019	-.0004	.0006	.0029	.0154

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0019**	**-.0014**	**.0199**	**.0046**	**-.0003**	**-.0001**	**.0001**	**.0083**	**.0001**
Stddev	.0002	.0115	.0132	.0014	.0003	.0001	.0009	.0001	.0000
%RSD	12.69	827.6	66.20	31.44	106.3	124.2	738.2	1.385	.0906
#1	.0021	-.0095	.0106	.0056	-.0001	-.0000	-.0005	.0082	.0001
#2	.0018	.0067	.0292	.0036	-.0006	-.0001	.0007	.0084	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0002**	**-.0051**	**-.0005**	**.0089**	**.0003**	**-.0007**
Stddev	.0000	.0002	.0004	.0000	.0021	.0003	.0007
%RSD	32.63	103.7	8.821	8.345	23.70	107.9	102.2
#1	-.0001	.0001	-.0048	-.0004	.0104	.0001	-.0002
#2	-.0001	.0004	-.0054	-.0005	.0074	.0006	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69961.**	**12477.**	**2703.0**	**3834.6**
Stddev	224.	2073.	26.0	26.7
%RSD	.32069	16.615	.96129	.69715
#1	70120.	11011.	2721.4	3853.5
#2	69802.	13942.	2684.7	3815.7

Zoom In Zoom Out

Sample Name: jb68368-1 Acquired: 6/4/2014 15:39:50 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1955**	**.0002**	**.0002**	**.0017**	**.0533**	**.0096**	**.0302**	**.0117**	**.0023**
Stddev	.0005	.0000	.0002	.0000	.0008	.0002	.0002	.0001	.0004
%RSD	.2699	.5672	81.69	1.214	1.571	2.056	.7935	.8083	18.47
#1	.1951	.0002	.0004	.0017	.0539	.0094	.0303	.0118	.0026
#2	.1959	.0002	.0001	.0017	.0527	.0097	.0300	.0116	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0129**	**.1265**	**.0079**	**-.0054**	**.0067**	**-.0021**	**-.0002**	**.5639**	**123.9**
Stddev	.0001	.0004	.0003	.0000	.0004	.0026	.0007	.0003	.2
%RSD	.7985	.3384	3.494	.4483	5.460	123.0	397.1	.0610	.1803
#1	.0129	.1262	.0081	-.0054	.0064	-.0040	.0003	.5641	123.7
#2	.0128	.1268	.0078	-.0054	.0069	-.0003	-.0007	.5636	124.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5457**	**1.062**	**66.30**	**197.5**	**.0977**	**.0340**	**.0172**	**10.08**	**-.0020**
Stddev	.0010	.005	.27	2.9	.0004	.0003	.0020	.07	.0004
%RSD	.1843	.4700	.4096	1.484	.4376	.8325	11.67	.6495	22.32
#1	.5464	1.059	66.11	199.6	.0974	.0338	.0158	10.04	-.0017
#2	.5450	1.066	66.49	195.4	.0980	.0342	.0186	10.13	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.897**	**.0130**	**.0577**	**-.0106**	**51.86**	**.0036**	**.0556**
Stddev	.004	.0002	.0003	.0000	.32	.0002	.0000
%RSD	.2021	1.769	.5778	.3549	.6158	6.646	.0825
#1	1.894	.0132	.0580	-.0106	51.63	.0038	.0556
#2	1.900	.0129	.0575	-.0106	52.08	.0034	.0556

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**66327.**	**13741.**	**2523.3**	**3516.4**
Stddev	100.	33.	15.1	19.9
%RSD	.15065	.23711	.59677	.56469
#1	66397.	13764.	2533.9	3530.5
#2	66256.	13718.	2512.6	3502.4

Zoom In Zoom Out

Sample Name: jb67976-6 2 Acquired: 6/4/2014 15:45:57 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0008**	**.0001**	**.0001**	**.0003**
Stddev	.0001	.0001	.0002	.0001	.0003	.0006	.0000	.0000	.0002
%RSD	127.5	53.78	759.2	3630.	175.7	70.95	2.150	21.88	69.22
#1	.0000	.0001	-.0001	.0001	.0004	.0013	.0001	.0001	.0001
#2	.0002	.0001	.0001	-.0001	-.0000	.0004	.0001	.0001	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0010**	**-.0010**	**-.0005**	**.0014**	**-.0014**	**.0005**	**.0117**	**.0546**
Stddev	.0001	.0000	.0008	.0014	.0001	.0012	.0002	.0107	.0025
%RSD	16.31	1.115	78.59	272.0	6.611	86.47	37.55	91.74	4.653
#1	.0003	.0010	-.0004	-.0015	.0014	-.0023	.0006	.0041	.0528
#2	.0003	.0011	-.0015	.0005	.0015	-.0006	.0004	.0193	.0564

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0062**	**-.0096**	**.0171**	**.2129**	**.0004**	**.0000**	**-.0010**	**.0140**	**.0001**
Stddev	.0053	.0122	.0019	.0046	.0002	.0001	.0020	.0005	.0001
%RSD	84.83	127.8	10.83	2.172	53.89	203.1	203.7	3.871	92.35
#1	.0100	-.0182	.0184	.2162	.0003	.0001	-.0024	.0136	.0000
#2	.0025	-.0009	.0158	.2096	.0006	-.0000	.0004	.0144	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0017**	**-.0001**	**.0057**	**-.0001**	**.0003**
Stddev	.0001	.0001	.0005	.0001	.0020	.0004	.0006
%RSD	96.86	15.51	31.26	46.16	34.88	416.0	182.7
#1	.0001	.0004	-.0021	-.0001	.0043	.0002	.0008
#2	.0000	.0003	-.0013	-.0002	.0071	-.0004	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71040.**	**13865.**	**2758.6**	**3878.2**
Stddev	283.	54.	2.1	2.0
%RSD	.39822	.39069	.07646	.05215
#1	70840.	13904.	2760.1	3879.6
#2	71240.	13827.	2757.1	3876.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 15:52:02 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.099**	**2.144**	**1.988**	**1.997**	**2.049**	**2.000**	**2.033**	**1.983**	**.2526**
Stddev	.001	.002	.009	.011	.000	.006	.002	.009	.0001
%RSD	.0484	.1086	.4617	.5272	.0030	.2861	.0717	.4336	.0546
#1	2.098	2.146	1.981	1.990	2.049	2.004	2.032	1.977	.2527
#2	2.100	2.142	1.994	2.005	2.049	1.996	2.034	1.989	.2525
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**	**2.040**	**1.933**	**2.040**	**1.985**	**1.999**	**1.970**	**43.06**	**42.55**
Stddev	.004	.006	.012	.010	.013	.008	.007	.10	.05
%RSD	.1975	.3066	.6168	.4928	.6617	.3885	.3749	.2339	.1145
#1	2.011	2.036	1.925	2.032	1.975	1.993	1.965	43.13	42.58
#2	2.017	2.044	1.942	2.047	1.994	2.004	1.975	42.99	42.52
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	**43.25**	**41.76**	**42.99**	**42.06**	**2.035**	**2.044**	**2.128**	**4.886**	**2.051**
Stddev	.03	.08	.10	.02	.001	.009	.001	.019	.013
%RSD	.0747	.1816	.2284	.0458	.0390	.4584	.0381	.3948	.6393
#1	43.28	41.71	43.06	42.08	2.034	2.038	2.128	4.873	2.042
#2	43.23	41.82	42.92	42.05	2.036	2.051	2.127	4.900	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: 6/4/2014 15:52:02 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.124**	**2.021**	**1.985**	**1.982**	**1.916**	**1.933**	**2.054**
Stddev	.003	.004	.026	.000	.006	.007	.002
%RSD	.1410	.1775	1.331	.0169	.3378	.3453	.0753
#1	2.126	2.019	1.966	1.982	1.911	1.928	2.055
#2	2.122	2.024	2.004	1.982	1.920	1.937	2.053
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	**68655.**	**13541.**	**2651.1**	**3630.8**
Stddev	5.	27.	4.3	3.9
%RSD	.00714	.19850	.16275	.10825
#1	68659.	13560.	2654.2	3633.5
#2	68652.	13522.	2648.1	3628.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 15:57:51 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0001**	**.0001**	**-.0001**	**.0005**	**.0001**	**.0004**	**.0002**
Stddev	.0001	.0000	.0000	.0000	.0000	.0005	.0000	.0003	.0002
%RSD	50.98	40.75	34.29	8.349	2.063	104.8	23.23	65.47	84.18
#1	-.0001	.0001	.0001	.0001	-.0001	.0008	.0001	.0006	.0001
#2	-.0002	.0001	.0001	.0001	-.0001	.0001	.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	**-.0001**	**.0007**	**.0003**	**-.0003**	**.0010**	**.0008**	**.0002**	**.0050**	**.0126**
Stddev	.0002	.0000	.0002	.0009	.0008	.0023	.0006	.0069	.0014
%RSD	341.8	5.732	81.18	274.8	78.06	290.5	286.6	137.5	11.52
#1	-.0002	.0006	.0001	.0003	.0015	.0024	.0007	.0099	.0115
#2	.0001	.0007	.0004	-.0010	.0004	-.0008	-.0002	.0001	.0136
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	**.0032**	**-.0099**	**.0110**	**.0137**	**.0003**	**.0007**	**-.0012**	**.0029**	**.0002**
Stddev	.0011	.0171	.0333	.0024	.0001	.0003	.0009	.0002	.0004
%RSD	34.68	172.2	302.3	17.36	31.71	34.76	75.48	5.939	141.7
#1	.0040	.0022	.0345	.0154	.0002	.0009	-.0018	.0028	-.0000
#2	.0024	-.0220	-.0125	.0120	.0004	.0006	-.0006	.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: 6/4/2014 15:57:51 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0086**	**.0005**	**.0021**	**.0015**	**.0003**
Stddev	.0000	.0002	.0013	.0001	.0014	.0015	.0008
%RSD	92.90	45.48	15.42	18.13	65.86	100.7	291.2
#1	-.0000	.0002	.0095	.0005	.0031	.0004	.0009
#2	-.0000	.0004	.0076	.0004	.0011	.0026	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70435.**	**13610.**	**2763.7**	**3870.5**
Stddev	225.	1.	4.5	6.2
%RSD	.31986	.00612	.16239	.15909
#1	70594.	13610.	2766.8	3874.9
#2	70276.	13609.	2760.5	3866.2

Zoom In Zoom Out

Sample Name: crid Acquired: 6/4/2014 16:03:58 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0011**	**.0012**	**.0033**	**.0023**	**.0026**	**.0034**	**.0048**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0000	.0002
%RSD	2.845	3.905	3.057	.5635	5.272	3.763	.1294	3.274
#1	.0044	.0010	.0012	.0033	.0022	.0027	.0035	.0049
#2	.0045	.0011	.0011	.0033	.0024	.0025	.0034	.0046
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**	**.0020**	F **.0137**	**.0035**	**.0016**	F **.0035**	**.0044**	F **.0039**
Stddev	.0005	.0004	.0001	.0020	.0006	.0001	.0001	.0005
%RSD	87.26	20.75	.8802	56.90	37.21	1.650	2.301	13.70
#1	.0009	.0017	.0136	.0049	.0020	.0034	.0045	.0036
#2	.0002	.0024	.0138	.0021	.0012	.0035	.0043	.0043
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value	.0010		.0100			.0025		.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	**.1174**	**1.185**	**.0035**	**.1172**	**2.311**	**1.175**	**.0099**	**.0001**
Stddev	.0044	.001	.0024	.0212	.026	.009	.0003	.0001
%RSD	3.730	.0735	68.71	18.13	1.131	.7414	3.455	98.57
#1	.1143	1.185	.0052	.1322	2.293	1.181	.0096	.0001
#2	.1205	1.186	.0018	.1022	2.330	1.169	.0101	.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: 6/4/2014 16:03:58 Type: QC
Method: Accutest1(v343) 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**	**.0041**	**.0000**	**.0000**	**.0002**	F **.0009**	F **.0001**	F **.0027**
Stddev	.0001	.0000	.0001	.0000	.0001	.0007	.0001	.0008
%RSD	40.51	1.206	172.8	186.4	54.95	80.19	95.52	29.33
#1	-.0002	.0041	.0001	-.0000	.0001	.0004	.0000	.0021
#2	-.0003	.0040	-.0000	.0000	.0002	.0013	.0002	.0033
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0002**	F **-.0001**
Stddev	.0000	.0003
%RSD	6.245	396.6
#1	.0002	.0001
#2	.0002	-.0003
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70582.**	**13664.**	**2757.2**	**3860.2**
Stddev	164.	29.	4.2	13.2
%RSD	.23192	.21124	.15177	.34294
#1	70466.	13684.	2760.2	3869.5
#2	70698.	13644.	2754.3	3850.8

Zoom In Zoom Out

Sample Name: mp79781-mb1conf Acquired: 6/4/2014 16:10:01 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**-.0001**	**-.0003**	**.0003**	**.0001**	**.0002**	**.0003**
Stddev	.0000	.0001	.0001	.0000	.0003	.0004	.0000	.0001	.0001
%RSD	22.15	446.6	60.57	52.66	111.0	136.7	17.75	28.02	36.24
#1	-.0001	-.0001	.0001	-.0000	-.0001	.0000	.0001	.0001	.0002
#2	-.0001	.0000	.0003	-.0001	-.0006	.0005	.0001	.0002	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0007**	**-.0007**	**.0003**	**.0008**	**-.0006**	**.0013**	**-.0060**	**.0128**
Stddev	.0000	.0004	.0016	.0006	.0008	.0005	.0001	.0003	.0008
%RSD	34.71	57.03	228.8	196.9	105.4	91.14	7.075	5.770	6.055
#1	.0001	.0004	.0004	.0007	.0002	-.0010	.0014	-.0058	.0134
#2	.0001	.0009	-.0018	-.0001	.0013	-.0002	.0013	-.0062	.0123

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0031**	**-.0241**	**.0111**	**.0063**	**-.0004**	**.0001**	**-.0010**	**.0079**	**.0002**
Stddev	.0013	.0020	.0117	.0023	.0004	.0001	.0000	.0009	.0001
%RSD	42.23	8.472	105.0	36.02	99.15	75.37	.8510	11.30	70.95
#1	.0040	-.0255	.0029	.0047	-.0007	.0001	-.0010	.0073	.0003
#2	.0021	-.0227	.0194	.0080	-.0001	.0000	-.0010	.0086	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0004**	**-.0001**	**.0003**	**.0001**	**.0004**	**-.0006**
Stddev	.0000	.0005	.0010	.0000	.0019	.0010	.0006
%RSD	10.96	150.8	1468.	14.54	3278.	285.4	114.1
#1	-.0001	-.0000	.0006	.0003	-.0013	.0011	-.0001
#2	-.0001	.0007	-.0007	.0003	.0014	-.0004	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70752.**	**13834.**	**2762.1**	**3875.1**
Stddev	153.	33.	.4	4.4
%RSD	.21583	.23612	.01317	.11281
#1	70644.	13857.	2762.3	3878.2
#2	70860.	13811.	2761.8	3872.1

Zoom In Zoom Out

Sample Name: mp79695-bm1conf Acquired: 6/4/2014 16:16:06 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2214**	**.0025**	**.0034**	**.0532**	**.0113**	**.0113**	**.0170**	**.0110**	**.0055**
Stddev	.0001	.0001	.0000	.0004	.0005	.0000	.0002	.0000	.0002
%RSD	.0536	3.192	.8765	.7139	4.585	.2718	.9820	.0974	4.258
#1	.2214	.0024	.0035	.0530	.0116	.0112	.0171	.0110	.0054
#2	.2215	.0025	.0034	.0535	.0109	.0113	.0169	.0110	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0549**	**.0281**	**.0076**	**.0102**	**.0030**	**.0093**	**.0056**	**.2281**	**5.782**
Stddev	.0002	.0004	.0001	.0006	.0001	.0010	.0002	.0025	.014
%RSD	.3663	1.552	1.874	5.709	3.240	11.25	3.861	1.084	.2330
#1	.0551	.0278	.0075	.0107	.0031	.0086	.0057	.2264	5.773
#2	.0548	.0284	.0077	.0098	.0030	.0101	.0054	.2299	5.792

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1208**	**5.798**	**5.679**	**5.620**	**.1025**	**.0213**	**.0750**	**.2098**	**.0113**
Stddev	.0061	.043	.004	.003	.0010	.0000	.0004	.0008	.0004
%RSD	5.015	.7338	.0615	.0445	.9847	.2244	.4774	.3658	3.826
#1	.1250	5.768	5.676	5.619	.1032	.0213	.0753	.2092	.0110
#2	.1165	5.828	5.681	5.622	.1017	.0213	.0747	.2103	.0116

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0116**	**.0112**	**.0470**	**.0116**	**.0485**	**.0213**	**.0230**
Stddev	.0000	.0002	.0001	.0002	.0000	.0006	.0013
%RSD	.3290	1.463	.2154	1.682	.0003	2.950	5.632
#1	.0116	.0114	.0471	.0117	.0485	.0208	.0239
#2	.0116	.0111	.0470	.0114	.0485	.0217	.0221

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70467.**	**13612.**	**2765.5**	**3877.6**
Stddev	433.	7.	9.2	15.0
%RSD	.61450	.05416	.33216	.38566
#1	70160.	13607.	2771.9	3888.1
#2	70773.	13617.	2759.0	3867.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 16:21:07 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2118**	**.0023**	**.0032**	**.0510**	**.0111**	**.0102**	**.0163**	**.0103**	**.0052**
Stddev	.0003	.0000	.0002	.0004	.0005	.0000	.0000	.0000	.0001
%RSD	.1394	1.738	7.215	.6900	4.166	.0131	.1550	.4739	2.686
#1	.2120	.0023	.0034	.0512	.0115	.0102	.0163	.0103	.0051
#2	.2116	.0023	.0031	.0507	.0108	.0102	.0163	.0103	.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0528**	**.0235**	**.0077**	**.0099**	**.0033**	**.0094**	**.0047**	**.2239**	**5.590**
Stddev	.0002	.0001	.0008	.0005	.0001	.0006	.0006	.0088	.006
%RSD	.3561	.5882	10.80	5.195	3.407	6.383	12.04	3.909	.1103
#1	.0527	.0236	.0071	.0103	.0032	.0098	.0043	.2300	5.594
#2	.0530	.0234	.0083	.0096	.0034	.0089	.0051	.2177	5.586
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	**.1181**	**5.649**	**5.391**	**5.388**	**.0973**	**.0203**	F **.0723**	**.2005**	**.0105**
Stddev	.0065	.022	.033	.017	.0009	.0001	.0000	.0007	.0001
%RSD	5.502	.3957	.6166	.3121	.8941	.7256	.0038	.3568	.9716
#1	.1227	5.664	5.414	5.400	.0979	.0204	.0723	.2010	.0104
#2	.1135	5.633	5.367	5.376	.0967	.0202	.0723	.2000	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0500		
Range							30.00%		

Zoom In Zoom Out

Sample Name: cri Acquired: 6/4/2014 16:21:07 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0111**	**.0107**	**.0531**	**.0108**	**.0458**	**.0203**	**.0223**
Stddev	.0000	.0003	.0011	.0000	.0017	.0014	.0003
%RSD	.0629	2.940	1.999	.1580	3.625	6.884	1.249
#1	.0111	.0105	.0539	.0108	.0469	.0212	.0225
#2	.0110	.0109	.0524	.0108	.0446	.0193	.0221
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	**70513.**	**13528.**	**2760.2**	**3874.1**
Stddev	188.	37.	22.3	28.0
%RSD	.26599	.27673	.80656	.72316
#1	70646.	13502.	2744.4	3854.3
#2	70381.	13555.	2775.9	3893.9

Zoom In Zoom Out

Sample Name: mnconf Acquired: 6/4/2014 16:26:31 Type: Unk
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0001**	**-.0001**	**.0002**	**.0025**	**.0012**	**10.96**	**.0005**	**.0005**
Stddev	.0001	.0001	.0001	.0001	.0001	.0004	.88	.0002	.0001
%RSD	121.3	57.86	157.9	61.90	4.207	34.63	8.029	44.90	16.63
#1	-.0000	.0001	.0000	.0001	.0026	.0009	10.34	.0003	.0006
#2	-.0002	.0001	-.0002	.0003	.0024	.0015	11.58	.0006	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**.0068**	**.0021**	**-.0003**	**.0031**	**.0037**	**.0065**	**.0107**	**.0507**
Stddev	.0005	.0001	.0007	.0012	.0005	.0005	.0006	.0001	.0041
%RSD	9.010	1.613	32.00	414.7	16.05	14.74	9.529	1.288	8.119
#1	.0057	.0069	.0016	.0006	.0034	.0033	.0069	.0106	.0537
#2	.0065	.0068	.0025	-.0011	.0027	.0041	.0060	.0108	.0478

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0100**	**-.0004**	**.1622**	**.0093**	**-.0005**	**-.0005**	**-.0016**	**.0297**	**-.0003**
Stddev	.0024	.0204	.0131	.0006	.0005	.0001	.0011	.0004	.0000
%RSD	24.38	5646.	8.057	6.391	99.83	31.87	67.66	1.485	11.84
#1	-.0083	-.0148	.1530	.0098	-.0008	-.0004	-.0024	.0300	-.0003
#2	-.0117	.0141	.1714	.0089	-.0001	-.0006	-.0008	.0293	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0063**	**-.0001**	**.0194**	**.0009**	**-.0006**
Stddev	.0001	.0003	.0012	.0001	.0001	.0007	.0002
%RSD	128.5	83.82	19.66	143.4	.6504	76.76	39.50
#1	.0000	.0005	.0054	.0000	.0193	.0004	-.0008
#2	.0001	.0001	.0072	-.0002	.0195	.0013	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69544.**	**13928.**	**2780.4**	**3876.1**
Stddev	4871.	755.	16.5	19.1
%RSD	7.0041	5.4207	.59188	.49363
#1	72988.	13394.	2792.0	3889.7
#2	66100.	14462.	2768.7	3862.6

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/4/2014 16:31:13 Type: Unk
Method: Accutest1(v343) Mode: CONC 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**	**.0002**	**-.0001**	**-.0004**	**-.0009**	**-.0001**	**.0005**	**-.0001**
Stddev	.0000	.0000	.0000	.0000	.0006	.0000	.0000	.0003	.0003
%RSD	10.49	5.799	1.869	8.029	145.3	2.797	13.21	63.68	322.0
#1	.0001	-.0001	.0002	-.0001	.0000	-.0009	-.0001	.0003	.0001
#2	.0002	-.0001	.0002	-.0002	-.0008	-.0009	-.0001	.0008	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0054**	**.0012**	**.0007**	**.0020**	**.0019**	**.0009**	**.0303**	**.0347**
Stddev	.0001	.0001	.0000	.0002	.0019	.0015	.0005	.0037	.0010
%RSD	5.188	1.382	1.906	26.51	97.09	80.38	52.59	12.05	2.804
#1	.0014	.0055	.0012	.0008	.0006	.0008	.0012	.0329	.0354
#2	.0013	.0054	.0012	.0005	.0033	.0030	.0006	.0278	.0340

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0188**	**-.0142**	**.0496**	**.0141**	**.0044**	**-.0003**	**.0075**	**10.07**	**-.0016**
Stddev	.0012	.0130	.0065	.0056	.0006	.0001	.0010	.00	.0003
%RSD	6.571	90.99	13.08	39.93	12.66	50.99	13.87	.0166	17.25
#1	.0180	-.0234	.0450	.0101	.0048	-.0002	.0068	10.07	-.0014
#2	.0197	-.0051	.0541	.0180	.0040	-.0003	.0083	10.07	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**-.0001**	**.0067**	**-.0026**	**.0038**	**.0019**	**.0004**
Stddev	.0001	.0001	.0003	.0009	.0032	.0001	.0001
%RSD	17.34	110.8	4.160	36.29	85.58	5.325	41.14
#1	-.0003	-.0000	.0069	-.0019	.0015	.0018	.0003
#2	-.0004	-.0002	.0065	-.0032	.0060	.0019	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	72677.	13433.	2765.3	3889.6
Stddev	3251.	608.	6.5	2.9
%RSD	4.4725	4.5243	.23682	.07534
#1	70379.	13003.	2760.7	3887.5
#2	74976.	13862.	2769.9	3891.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/4/2014 16:48:14 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.097**	**2.154**	**1.988**	**2.002**	**2.047**	**1.984**	**2.036**	**1.990**	**.2528**
Stddev	.007	.004	.011	.008	.007	.004	.004	.006	.0004
%RSD	.3445	.1688	.5413	.3818	.3459	.2065	.2220	.2914	.1750
#1	2.092	2.157	1.980	1.997	2.052	1.981	2.040	1.986	.2525
#2	2.102	2.152	1.996	2.008	2.042	1.987	2.033	1.994	.2531
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**	**2.043**	**1.935**	**2.044**	**1.993**	**2.000**	**1.966**	**43.20**	**42.86**
Stddev	.004	.004	.010	.004	.004	.011	.013	.02	.16
%RSD	.2086	.1728	.5031	.1745	.2202	.5587	.6352	.0551	.3834
#1	2.015	2.040	1.928	2.041	1.990	1.992	1.958	43.22	42.98
#2	2.010	2.045	1.942	2.046	1.996	2.008	1.975	43.19	42.75
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	**43.52**	**42.09**	**43.10**	**42.10**	**2.023**	**2.043**	**2.113**	**4.873**	**2.054**
Stddev	.03	.22	.03	.13	.012	.011	.006	.033	.004
%RSD	.0698	.5170	.0630	.3049	.6049	.5327	.2738	.6809	.1983
#1	43.54	42.24	43.08	42.01	2.014	2.035	2.109	4.850	2.051
#2	43.50	41.93	43.12	42.19	2.031	2.051	2.117	4.897	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 16:48:14 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.124**	**2.020**	**1.989**	**1.976**	**1.912**	**1.929**	**2.042**
Stddev	.004	.001	.018	.002	.013	.014	.013
%RSD	.2011	.0279	.8898	.0978	.6516	.7165	.6213
#1	2.121	2.020	1.977	1.977	1.904	1.919	2.033
#2	2.127	2.021	2.002	1.974	1.921	1.938	2.051
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	68957.	13457.	2678.0	3658.5
Stddev	29.	86.	15.3	16.0
%RSD	.04266	.64081	.57268	.43808
#1	68978.	13396.	2688.8	3669.8
#2	68936.	13518.	2667.2	3647.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/4/2014 16:54:56 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0001**	**.0002**	**-.0002**	**.0002**	**.0001**	**.0001**	**-.0003**
Stddev	.0002	.0000	.0000	.0001	.0001	.0000	.0000	.0001	.0003
%RSD	153.3	14.74	24.43	73.43	62.63	9.614	51.50	212.2	133.4
#1	-.0003	.0001	.0001	.0003	-.0001	.0002	.0001	.0002	-.0005
#2	.0000	.0001	.0001	.0001	-.0003	.0002	.0001	-.0000	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0006**	**.0005**	**.0006**	**.0008**	**-.0020**	**-.0010**	**-.0043**	**.0147**
Stddev	.0002	.0002	.0004	.0004	.0003	.0003	.0006	.0080	.0022
%RSD	1077.	28.06	84.29	77.68	37.09	13.22	57.82	185.2	15.28
#1	.0001	.0007	.0008	.0009	.0010	-.0018	-.0006	.0013	.0163
#2	-.0002	.0005	.0002	.0003	.0006	-.0022	-.0014	-.0100	.0131
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	**.0038**	**-.0036**	**.0208**	**.0020**	**.0003**	**.0008**	**.0002**	**.0009**	**.0001**
Stddev	.0031	.0204	.0226	.0014	.0004	.0003	.0007	.0003	.0001
%RSD	81.54	572.1	108.2	73.22	132.1	38.26	384.1	32.99	97.92
#1	.0060	.0109	.0049	.0009	.0006	.0010	-.0003	.0012	.0000
#2	.0016	-.0180	.0368	.0030	.0000	.0005	.0007	.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									

Zoom In
Zoom Out

Sample Name: ccb Acquired: 6/4/2014 16:54:56 Type: QC
Method: Accutest1(v343) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0110**	**.0007**	**-.0000**	**.0019**	**-.0000**
Stddev	.0000	.0003	.0026	.0002	.0016	.0001	.0007
%RSD	57.67	88.89	23.46	25.06	4976.	6.894	3077.
#1	.0000	.0006	.0128	.0006	-.0012	.0019	-.0005
#2	.0001	.0001	.0092	.0008	.0011	.0018	.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	**70202.**	**13558.**	**2778.1**	**3881.8**
Stddev	123.	147.	24.9	30.2
%RSD	.17468	1.0830	.89652	.77772
#1	70115.	13661.	2760.5	3860.4
#2	70289.	13454.	2795.8	3903.1

	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	0.001380	0.000000	No
	Be 313.042 {108}	☒	13	V	0.000497	0.000000	No
				Mo	-0.000027	0.000000	No
				Ti	-0.000601	0.000000	No
				Mn	-0.000010	0.000000	No
				Ba	0.000038	0.000000	No
				Co	-0.000065	0.000000	No
				Ni	0.000000	0.000000	No
				Ca	-0.000000	0.000000	No
				Cu	0.000014	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	-0.000003	0.000000	No
				Cr	-0.000020	0.000000	No
				W	0.000000	0.000000	No
	Cd 228.802 {448}	☒	14	As	0.010250	0.000000	No
				Ni	-0.000173	0.000000	No
				Fe	-0.000012	0.000000	No
				V	0.000091	0.000000	No
				Ba	-0.000047	0.000000	No
				Co	-0.001503	0.000000	No
				Sr	-0.000020	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	0.000010	0.000000	No
				Cr	0.000025	0.000000	No
				Si	-0.000005	0.000000	No
				Cu	-0.000026	0.000000	No
				W	0.000000	0.000000	No
				Al	-0.000002	0.000000	No
	Co 228.616 {448}	☒	10	Fe	0.000032	0.000000	No
				Cr	-0.000049	0.000000	No
				Mo	-0.001939	0.000000	No
				Ni	0.000256	0.000000	No
				Ti	0.001812	0.000000	No
				Ba	-0.000371	0.000000	No
				W	-0.001840	0.000000	No
				Cd	-0.000510	0.000000	No
				Si	0.000000	0.000000	No
				Ca	-0.000003	0.000000	No
	Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
				V	-0.000022	0.000000	No
				Mo	0.000018	0.000000	No
				Fe	-0.000008	0.000000	No
				W	0.000253	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	0.000045	0.000000	No
				Cu	0.000100	0.000000	No
				Sr	-0.000100	0.000000	No
	Cu 324.754 {104}2	☒	20	Cr	-0.000200	0.000000	No
				V	-0.000233	0.000000	No
				Mo	0.000556	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.000082	0.000000	No
				Fe	-0.000075	0.000000	No
				Al	0.000006	0.000000	No
				Sn	-0.000097	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000427	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	-0.000000	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000300	0.000000	No
				Sb	0.000370	0.000000	No
				Mg	-0.000002	0.000000	No
				Ca	-0.000001	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	7	Fe	-0.000095	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				As	0.000001	0.000000	No
				Ca	-0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Ni	0.000028	0.000000	No
	Ni 231.604 {446}	☒	17	Fe	0.000014	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	-0.000525	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000002	0.000000	No
				Mo	-0.000374	0.000000	No
				V	-0.000032	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	-0.000002	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	15	Mn	0.000051	0.000000	No
				Mo	-0.003147	0.000000	No
				Ti	-0.001400	0.000000	No
				Fe	-0.000630	0.000000	No
				V	0.000028	0.000000	No
				Zn	0.000046	0.000000	No
				W	0.000000	0.000000	No
				Ca	-0.000015	0.000000	No
				Zr	0.002000	0.000000	No
				Al	-0.000002	0.000000	No
				Sr	-0.000200	0.000000	No
				Mg	-0.000008	0.000000	No
				Ba	-0.000056	0.000000	No
				Cr	0.000010	0.000000	No
				S	0.000000	0.000000	No
	V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.012000	0.000000	No
			Fe	-0.000004	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003049	0.000000	No
			Mn	-0.000900	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000710	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	0.000005	0.000000	No
			Si	-0.000035	0.000000	No
			Mn	-0.000045	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000255	0.000000	No
			Cu	0.000056	0.000000	No
			As	0.000500	0.000000	No
			Be	0.000364	0.000000	No
			Pd	-0.000008	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
As 189.042 {478}	☒	24	Al	0.000000	0.000000	No
			Fe	-0.000186	0.000000	No
			Ca	0.000010	0.000000	No
			Mn	-0.000105	0.000000	No
			Mo	0.002200	0.000000	No
			Cr	0.000400	0.000000	No
			V	0.000070	0.000000	No
			Co	-0.000164	0.000000	No
			Ba	-0.000067	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000228	0.000000	No
			Tl	0.000000	0.000000	No
			Be	-0.000007	0.000000	No
			Mg	0.000006	0.000000	No
			Si	-0.000135	0.000000	No
			Zn	0.000020	0.000000	No
			Sr	-0.000054	0.000000	No
			Pd	0.025218	0.000000	No
			Zr	0.002316	0.000000	No
			Ti	-0.000100	0.000000	No
			S	-0.000005	0.000000	No
			W	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Na	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000405	0.000000	No
			Mo	-0.009850	0.000000	No
			Al	0.000006	0.000000	No
			Fe	-0.000071	0.000000	No
			V	-0.031833	0.000000	No
			Mn	0.001598	0.000000	No
			Si	-0.000008	0.000000	No
			Ca	-0.000015	0.000000	No
			Ti	-0.002253	0.000000	No
			Mg	-0.000006	0.000000	No
			Co	0.003209	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Sr	-0.000006	0.000000	No
				B	0.003650	0.000000	No
				Ba	-0.000056	0.000000	No
				Zn	0.001447	0.000000	No
				As	0.000077	0.000000	No
				W	0.000000	0.000000	No
				Ni	-0.000136	0.000000	No
				Cu	0.000232	0.000000	No
				Zr	0.000067	0.000000	No
				Pd	0.000045	0.000000	No
				Pb	0.000000	0.000000	No
				S	0.000010	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000100	0.000000	No
				Sn	-0.000083	0.000000	No
				Li	0.000100	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000140	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	-0.000023	0.000000	No
				Zn	-0.000386	0.000000	No
				Mo	-0.000700	0.000000	No
				Cu	0.000110	0.000000	No
				V	-0.000338	0.000000	No
				Co	0.000111	0.000000	No
				Ti	-0.000016	0.000000	No
				Si	-0.000010	0.000000	No
				Ba	0.000020	0.000000	No
				Sb	-0.000200	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000117	0.000000	No
				W	0.020000	0.000000	No
				Mg	0.000013	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000138	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000935	0.000000	No
				Ni	0.000300	0.000000	No
				S	-0.000015	0.000000	No
	Se 196.090 {472}	☒	26	Al	-0.000001	0.000000	No
				Ca	0.000005	0.000000	No
				Mn	0.000151	0.000000	No
				Mo	0.000081	0.000000	No
				Fe	-0.000435	0.000000	No
				Co	0.000042	0.000000	No
				V	-0.000390	0.000000	No
				Sr	-0.000108	0.000000	No
				Cu	-0.000007	0.000000	No
				W	0.080000	0.000000	No
				Si	-0.000353	0.000000	No
				Tl	0.000000	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000450	0.000000	No
				B	-0.000175	0.000000	No
				Pd	-0.000223	0.000000	No
				Ti	-0.000359	0.000000	No
				Cd	0.000090	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Zr	0.000000	0.000000	No
				Ba	0.004800	0.000000	No
				Mg	-0.000004	0.000000	No
				Pb	0.000154	0.000000	No
				Ni	-0.000250	0.000000	No
				Cr	0.000100	0.000000	No
				K	0.000000	0.000000	No
				Na	0.000000	0.000000	No
	Sb 206.833 {463}	☒	17	Fe	0.000013	0.000000	No
				Al	-0.000001	0.000000	No
				Ca	-0.000001	0.000000	No
				Ni	-0.000686	0.000000	No
				Cr	0.015600	0.000000	No
				V	-0.002400	0.000000	No
				Zn	-0.000215	0.000000	No
				Mo	-0.000500	0.000000	No
				Ti	0.000300	0.000000	No
				Sn	-0.016050	0.000000	No
				Mg	-0.000001	0.000000	No
				Zr	-0.001760	0.000000	No
				Sr	0.000031	0.000000	No
				Mn	-0.000575	0.000000	No
				S	0.000001	0.000000	No
				W	0.030000	0.000000	No
				B	0.000000	0.000000	No
	Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
				Ca	-0.000172	0.000000	No
				Mo	0.034000	0.000000	No
				Zr	-0.000018	0.000000	No
				Ti	0.000419	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	0.006667	0.000000	No
				Pd	-0.000871	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.000923	0.000000	No
				Co	0.003280	0.000000	No
				Cr	0.000640	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
	Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002602	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000566	0.000000	No
				Mn	0.000000	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000953	0.000000	No
				K	0.000000	0.000000	No
				Zn	0.000046	0.000000	No
				Ti	-0.000631	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.020250	0.000000	No
			W	-0.006578	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000140	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	-0.015570	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	0.000000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.024280	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.020000	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001428	0.000000	No
			V	0.000552	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	0.000038	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.017300	0.000000	No
			Co	-0.007036	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000177	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	12	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.023200	0.000000	No
			V	-0.001400	0.000000	No
			Ti	0.006970	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000044	0.000000	No
			Sn	0.005721	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002000	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.003950	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000131	0.000000	No
			Pd	-0.000385	0.000000	No
Sr 407.771 { 83}	☒	3	Fe	0.000000	0.000000	No
			Ca	0.000043	0.000000	No
			Si	0.000033	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	0.000135	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000900	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.000015	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	-0.001000	0.000000	No
			Ni	-0.003000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.001300	0.000000	No
			Ba	-0.001360	0.000000	No
			Tl	-0.002600	0.000000	No
Zr 339.198 { 99}	☒	6	Mo	0.000250	0.000000	No
			Ti	-0.000050	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000870	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
S 182.034 {485}	☒	7	Ca	0.000063	0.000000	No
			Mo	0.000614	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	-0.000028	0.000000	No
			Mn	0.002300	0.000000	No
			W	-0.028686	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	6	Ti	-0.002693	0.000000	No
			V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000010	0.000000	No
			Mg	-0.000014	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	-0.003914	0.000000	No
	Li 670.784 { 50}	☒	None				

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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

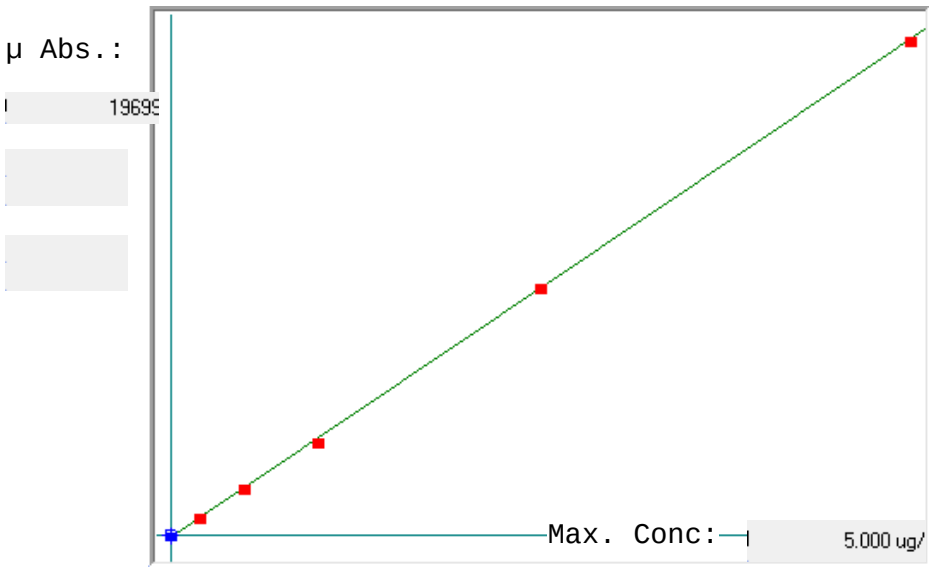
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Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	05 Jun 2014 14:13:18	CK STND	ug/l	-0.0306	-219	1.000	1.000
JB68108-1 - 1	05 Jun 2014 14:14:54	SMPL	ug/l	0.0522	109	1.000	1.000
JB68128-1 - 1	05 Jun 2014 14:16:11	SMPL	ug/l	0.0406	63	1.000	1.000
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

Linear



A= 0.0000e+000

B= 2.5250e-004

C= 2.4714e-002

Rho= 0.9999168

Accept=Accepted

Accepted Date=

06/05/14 12:23

11.4.1 11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	0.024	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: 6/9/2014 11:34:07 Type: Cal
Method: Accutest1(v365) 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	**.0039**	**.0001**	**.0007**	**.0000**	**.0000**	**.0062**	**.0000**	**-.0008**	**-.0002**
Stddev	.0001	.0002	.0000	.0002	.0000	.0001	.0001	.0001	.0000
%RSD	3.165	192.5	3.190	488.9	241.4	1.339	144.4	15.33	.6526
#1	.0040	.0003	.0007	.0001	.0000	.0063	.0001	-.0007	-.0002
#2	.0038	-.0000	.0007	-.0001	-.0000	.0061	-.0000	-.0008	-.0002

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**	**.0003**	**-.0006**	**-.0008**	**-.0001**	**.0002**	**.0002**	**-.0002**	**.0037**
Stddev	.0000	.0002	.0001	.0000	.0001	.0000	.0000	.0002	.0000
%RSD	726.0	59.57	20.62	4.204	149.9	10.19	5.570	112.4	.1818
#1	-.0000	.0002	-.0005	-.0008	.0000	.0002	.0002	-.0000	.0037
#2	.0000	.0005	-.0006	-.0008	-.0001	.0001	.0002	-.0004	.0037

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	**.0002**	**-.0000**	**.0044**	**-.0012**	**.0005**	**.0011**	**-.0000**	**.0056**	**.0004**
Stddev	.0000	.0000	.0004	.0005	.0001	.0000	.0000	.0000	.0000
%RSD	18.16	405.2	9.154	41.51	18.14	.6319	88.45	.7346	8.572
#1	.0001	-.0000	.0041	-.0015	.0006	.0011	-.0000	.0056	.0004
#2	.0002	.0000	.0046	-.0008	.0005	.0011	-.0000	.0057	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**-.0002**	**.0043**	**.0001**	**.0002**	**-.0007**	**.0001**
Stddev	.0001	.0000	.0007	.0000	.0002	.0000	.0005
%RSD	36.27	14.47	15.41	2.367	111.0	2.996	599.5
#1	-.0003	-.0002	.0048	.0001	.0003	-.0007	.0004
#2	-.0004	-.0001	.0039	.0001	.0000	-.0007	-.0003

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/9/2014 11:34:07 Type: Cal
Method: Accutest1(v365) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81341.**	**15028.**	**2656.1**	**3964.0**
Stddev	2168.	218.	2.3	7.9
%RSD	2.6654	1.4512	.08695	.20022
#1	79808.	14874.	2657.7	3969.6
#2	82874.	15182.	2654.5	3958.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/9/2014 11:40:09 Type: Cal
Method: Accutest1(v365) 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	**8.667**	**5.078**	**3.864**	**2.206**	**.2979**	**.7431**	**1.506**	**1.743**	**.0542**
Stddev	.041	.036	.006	.001	.0016	.0032	.007	.000	.0000
%RSD	.4759	.7120	.1669	.0430	.5298	.4369	.4529	.0239	.0763
#1	8.696	5.104	3.859	2.206	.2990	.7454	1.511	1.744	.0541
#2	8.637	5.053	3.868	2.205	.2968	.7408	1.502	1.743	.0542

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	**.5385**	**3.937**	**.4134**	**.2720**	**.7174**	**.3436**	**.6519**	**2.334**	**3.310**
Stddev	.0019	.004	.0003	.0005	.0004	.0011	.0015	.015	.019
%RSD	.3505	.0991	.0776	.1705	.0534	.3124	.2300	.6472	.5771
#1	.5399	3.934	.4131	.2716	.7171	.3429	.6509	2.345	3.324
#2	.5372	3.939	.4136	.2723	.7176	.3444	.6530	2.323	3.297

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	**2.112**	**.3130**	**2.766**	**9.431**	**1.059**	**2.645**	**.1910**	**2.219**	**.6426**
Stddev	.014	.0024	.015	.056	.001	.003	.0009	.002	.0013
%RSD	.6433	.7523	.5481	.5899	.0918	.1109	.4913	.1091	.2034
#1	2.121	.3146	2.776	9.470	1.058	2.643	.1917	2.218	.6416
#2	2.102	.3113	2.755	9.391	1.059	2.647	.1903	2.221	.6435

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	**12.53**	**.5005**	**1.096**	**1.310**	**.2024**	**.7004**	**3.321**
Stddev	.05	.0018	.009	.005	.0005	.0008	.019
%RSD	.3625	.3586	.8153	.3564	.2701	.1122	.5639
#1	12.56	.5018	1.090	1.313	.2020	.6998	3.334
#2	12.50	.4992	1.102	1.307	.2028	.7010	3.307

◀ Zoom In ▶ Zoom Out

Sample Name: STDb Acquired: 6/9/2014 11:40:09 Type: Cal
Method: Accutest1(v365) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74450.**	**14517.**	**2366.2**	**3337.0**
Stddev	186.	49.	3.0	3.6
%RSD	.25030	.33620	.12530	.10763
#1	74318.	14483.	2368.3	3339.5
#2	74582.	14552.	2364.1	3334.4

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/9/2014 11:45:57 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.053**	**2.060**	**2.086**	**2.066**	**1.988**	**2.077**	**2.088**	**.2513**
Stddev	.018	.019	.003	.003	.047	.035	.051	.003	.0044
%RSD	.8796	.9403	.1401	.1182	2.294	1.743	2.443	.1306	1.733
#1	2.018	2.039	2.058	2.084	2.099	2.013	2.113	2.086	.2544
#2	2.043	2.066	2.062	2.087	2.032	1.964	2.041	2.090	.2482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.077**	**2.054**	**2.150**	**2.105**	**2.077**	**2.067**	**39.63**	**40.36**
Stddev	.041	.001	.001	.010	.001	.001	.002	.27	.31
%RSD	2.063	.0604	.0442	.4675	.0528	.0646	.0914	.6755	.7735
#1	2.036	2.076	2.055	2.143	2.106	2.076	2.068	39.44	40.14
#2	1.977	2.077	2.053	2.157	2.104	2.078	2.065	39.82	40.59
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	**40.76**	**40.15**	**39.56**	**39.98**	**2.099**	**2.067**	**2.023**	**5.147**	**2.100**
Stddev	.24	.40	.35	.28	.006	.000	.028	.003	.004
%RSD	.5887	1.008	.8768	.6929	.2825	.0046	1.359	.0666	.2136
#1	40.59	39.86	39.31	39.79	2.095	2.067	2.042	5.145	2.097
#2	40.93	40.44	39.80	40.18	2.103	2.067	2.003	5.149	2.103
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: 6/9/2014 11:45:57 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.046**	**2.027**	**2.039**	**2.010**	**2.048**	**1.965**
Stddev	.015	.047	.029	.042	.001	.004	.012
%RSD	.7164	2.281	1.414	2.069	.0443	.2032	.6136
#1	2.033	2.079	2.007	2.069	2.009	2.045	1.957
#2	2.054	2.013	2.048	2.009	2.010	2.050	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**76496.**	**14713.**	**2432.9**	**3452.4**
Stddev	1500.	92.	.3	3.1
%RSD	1.9609	.62728	.01386	.09012
#1	75435.	14779.	2433.1	3454.6
#2	77557.	14648.	2432.6	3450.2

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/9/2014 11:51:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0004**	**.0001**	**.0002**	**.0002**	**.0005**	**.0002**	**.0001**	**.0005**
Stddev	.0002	.0000	.0002	.0002	.0002	.0004	.0000	.0003	.0003
%RSD	87.16	4.161	128.3	83.57	76.79	77.54	12.31	470.6	62.58
#1	.0001	.0004	.0000	.0004	.0004	.0007	.0003	-.0001	.0003
#2	.0003	.0004	.0003	.0001	.0001	.0002	.0002	.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0010**	**.0005**	**.0006**	**-.0009**	**.0008**	**.0062**	**.0049**
Stddev	.0002	.0001	.0001	.0001	.0000	.0012	.0000	.0044	.0016
%RSD	101.6	34.77	15.66	16.73	4.779	141.6	4.886	71.15	32.33
#1	-.0003	.0002	.0008	.0004	.0006	.0000	.0007	.0031	.0038
#2	-.0001	.0001	.0011	.0005	.0005	-.0017	.0008	.0093	.0061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0100**	**.0253**	**.0104**	**.0187**	**.0013**	**.0016**	**-.0004**	**.0008**	**-.0004**
Stddev	.0001	.0026	.0149	.0017	.0009	.0000	.0001	.0008	.0001
%RSD	1.375	10.27	143.2	8.894	64.86	.3038	34.34	98.36	24.42
#1	.0100	.0235	-.0001	.0175	.0019	.0016	-.0003	.0003	-.0005
#2	.0099	.0272	.0209	.0198	.0007	.0016	-.0004	.0014	-.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: ccbconf Acquired: 6/9/2014 11:51:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0006**	**.0259**	**.0011**	**-.0018**	**.0028**	**.0019**
Stddev	.0000	.0000	.0021	.0002	.0001	.0002	.0005
%RSD	15.68	.1477	8.275	16.26	5.140	7.588	24.38
#1	.0003	.0006	.0274	.0013	-.0019	.0030	.0015
#2	.0003	.0006	.0244	.0010	-.0017	.0027	.0022
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	**81479.**	**15024.**	**2637.5**	**3938.3**
Stddev	1015.	104.	43.1	66.4
%RSD	1.2461	.69458	1.6333	1.6872
#1	80761.	15098.	2668.0	3985.3
#2	82197.	14950.	2607.0	3891.3

Zoom In Zoom Out

Sample Name: icv Acquired: 6/9/2014 11:58:57 Type: QC
Method: Accutest1(v365) 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	**2.005**	**2.023**	**2.014**	**2.041**	**2.075**	**1.971**	**2.088**	**2.045**
Stddev	.023	.025	.020	.020	.060	.053	.061	.021
%RSD	1.153	1.238	.9687	.9619	2.907	2.684	2.942	1.005
#1	1.997	2.022	2.008	2.036	2.142	2.030	2.157	2.040
#2	1.988	1.998	1.999	2.025	2.024	1.927	2.038	2.027
#3	2.031	2.048	2.036	2.063	2.059	1.957	2.070	2.067
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	**.2506**	**2.015**	**2.027**	**2.004**	W **2.107**	**2.064**	**2.027**	**2.021**
Stddev	.0061	.058	.021	.020	.018	.020	.018	.019
%RSD	2.436	2.869	1.059	.9963	.8454	.9908	.8730	.9515
#1	.2573	2.079	2.024	1.998	2.106	2.057	2.028	2.015
#2	.2454	1.966	2.008	1.987	2.090	2.047	2.010	2.005
#3	.2492	1.999	2.050	2.026	2.126	2.087	2.045	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value					2.000			
Range					5.000%			

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.01**	**39.82**	**40.22**	**39.59**	**39.04**	**39.45**	**2.051**	**2.022**
Stddev	.47	.49	.51	.49	.50	.50	.020	.018
%RSD	1.215	1.226	1.265	1.242	1.280	1.262	.9809	.8706
#1	38.91	39.86	40.18	39.56	38.88	39.25	2.047	2.017
#2	38.59	39.31	39.73	39.12	38.65	39.08	2.033	2.007
#3	39.52	40.28	40.75	40.10	39.61	40.02	2.073	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: icv Acquired: 6/9/2014 11:58:57 Type: QC
Method: Accutest1(v365) 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	**2.005**	**5.029**	**2.052**	**2.018**	**2.058**	**1.982**	**2.043**	**1.963**
Stddev	.049	.043	.021	.025	.058	.031	.058	.017
%RSD	2.430	.8457	1.000	1.263	2.823	1.571	2.850	.8455
#1	2.059	5.015	2.049	2.012	2.123	1.960	2.108	1.958
#2	1.964	4.995	2.033	1.996	2.010	1.968	1.995	1.950
#3	1.992	5.077	2.074	2.046	2.041	2.018	2.027	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**1.996**	**1.937**
Stddev	.015	.026
%RSD	.7333	1.349
#1	1.991	1.925
#2	1.986	1.919
#3	2.013	1.967
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	**76106.**	**14924.**	**2482.4**	**3514.5**
Stddev	1917.	158.	18.5	24.9
%RSD	2.5184	1.0601	.74518	.70893
#1	74013.	14960.	2488.6	3523.5
#2	77775.	15061.	2497.1	3533.7
#3	76530.	14751.	2461.6	3486.4

Zoom In Zoom Out

Sample Name: icb Acquired: 6/9/2014 12:12:06 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0001**	**-.0003**	**.0008**	**-.0000**	**.0001**
Stddev	.0000	.0001	.0002	.0001	.0001	.0003	.0000	.0001
%RSD	4.382	91.74	172.6	133.6	35.09	33.13	95.31	90.23
#1	.0002	.0000	.0002	.0002	-.0002	.0006	-.0000	.0002
#2	.0002	.0002	-.0000	.0000	-.0003	.0009	-.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	**.0002**	**-.0003**	**.0000**	**.0011**	**-.0010**	F **-.0003**	**-.0001**	**.0009**
Stddev	.0005	.0002	.0000	.0003	.0009	.0001	.0012	.0008
%RSD	227.0	50.01	73.17	27.00	91.43	32.55	1118.	83.95
#1	.0005	-.0002	.0000	.0009	-.0017	-.0004	-.0009	.0004
#2	-.0001	-.0004	.0000	.0013	-.0004	-.0002	.0007	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.0030		
Low Limit						-.0003		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0011**	**.0030**	**-.0092**	**-.0140**	**.0115**	**.0008**	**.0004**
Stddev	.0011	.0001	.0017	.0059	.0127	.0111	.0000	.0000
%RSD	85.04	9.988	57.45	64.02	90.82	96.65	4.398	7.391
#1	.0021	.0012	.0018	-.0050	-.0050	.0194	.0008	.0004
#2	.0005	.0011	.0043	-.0133	-.0230	.0036	.0008	.0003
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: 6/9/2014 12:12:06 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0005**	**-.0008**	**.0001**	**.0005**	**.0084**	W **.0004**	**.0006**
Stddev	.0008	.0003	.0006	.0000	.0001	.0012	.0001	.0007
%RSD	107.1	58.06	70.95	30.16	15.75	14.78	29.53	119.4
#1	-.0013	.0007	-.0004	.0001	.0006	.0093	.0003	.0010
#2	-.0002	.0003	-.0012	.0001	.0005	.0075	.0005	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							-.0012	
Low Limit							-.0012	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0014**	**.0012**
Stddev	.0001	.0001
%RSD	6.079	5.751
#1	.0013	.0012
#2	.0015	.0011
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81513.**	**15234.**	**2690.4**	**4017.9**
Stddev	668.	15.	4.7	4.4
%RSD	.81893	.10142	.17460	.11060
#1	81986.	15244.	2693.7	4021.1
#2	81041.	15223.	2687.1	4014.8

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/9/2014 12:19:21 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.973**	**2.002**	**2.009**	**2.040**	**2.021**	**1.927**	**2.049**	**2.046**	**.2457**
Stddev	.030	.035	.030	.024	.007	.003	.006	.024	.0003
%RSD	1.518	1.771	1.490	1.153	.3253	.1698	.3022	1.161	.1229
#1	1.960	1.984	1.978	2.012	2.025	1.932	2.052	2.017	.2456
#2	2.003	2.032	2.022	2.050	2.022	1.926	2.048	2.055	.2457
#3	1.938	1.960	2.045	2.067	2.012	1.924	2.041	2.073	.2455
#4	1.992	2.030	1.993	2.033	2.027	1.928	2.055	2.039	.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	**1.962**	**2.036**	**2.003**	F **2.111**	**2.071**	**2.028**	**2.013**	**38.63**	**39.13**
Stddev	.005	.024	.030	.022	.024	.033	.031	.65	.62
%RSD	.2640	1.159	1.520	1.046	1.152	1.601	1.539	1.676	1.592
#1	1.966	2.009	1.967	2.087	2.040	1.992	1.978	38.34	38.92
#2	1.961	2.041	2.014	2.121	2.081	2.039	2.027	39.17	39.65
#3	1.956	2.065	2.038	2.137	2.096	2.067	2.048	37.85	38.34
#4	1.967	2.028	1.991	2.100	2.065	2.014	1.997	39.15	39.61
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%					

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/9/2014 12:19:21 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.60**	**39.06**	**38.61**	**39.05**	**2.047**	**2.018**	**1.959**	**5.010**	**2.057**
Stddev	.66	.75	.54	.53	.032	.029	.005	.076	.029
%RSD	1.677	1.932	1.410	1.356	1.550	1.461	.2501	1.510	1.422
#1	39.30	38.70	38.29	38.77	2.012	1.983	1.963	4.926	2.025
#2	40.19	39.50	39.13	39.61	2.057	2.026	1.957	5.038	2.064
#3	38.80	38.19	38.01	38.46	2.085	2.053	1.953	5.100	2.094
#4	40.10	39.85	39.00	39.35	2.033	2.009	1.964	4.977	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.985**	**2.008**	**1.986**	**1.990**	**1.963**	**1.988**	**1.923**
Stddev	.030	.006	.051	.006	.029	.034	.025
%RSD	1.520	.3240	2.557	.2797	1.475	1.718	1.284
#1	1.970	2.007	1.915	1.992	1.928	1.952	1.910
#2	2.016	2.007	1.989	1.991	1.970	2.000	1.950
#3	1.950	2.002	2.034	1.982	1.998	2.029	1.895
#4	2.003	2.017	2.007	1.995	1.958	1.969	1.935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/9/2014 12:19:21 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77517.**	**15040.**	**2497.6**	**3526.2**
Stddev	337.	210.	29.4	34.1
%RSD	.43534	1.3961	1.1788	.96771
#1	77435.	15145.	2527.0	3563.7
#2	77428.	14937.	2488.2	3513.4
#3	77997.	15275.	2460.7	3485.4
#4	77207.	14804.	2514.5	3542.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 12:34:09 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0000**	**.0001**	**.0003**	**.0004**	**.0001**	**.0002**	**.0000**
Stddev	.0001	.0001	.0001	.0004	.0003	.0003	.0000	.0004	.0003
%RSD	45.46	62.51	760.7	568.1	118.0	60.15	20.73	228.1	564.2
#1	.0004	.0003	.0001	-.0002	.0005	.0002	.0001	-.0001	-.0001
#2	.0002	.0001	-.0001	.0003	.0000	.0006	.0001	.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0000**	**.0009**	**.0001**	**.0006**	**-.0007**	**.0007**	**.0005**	**.0023**
Stddev	.0000	.0001	.0008	.0007	.0005	.0002	.0003	.0041	.0004
%RSD	8.586	474.0	83.49	562.8	88.80	31.91	40.78	768.3	18.50
#1	-.0003	.0000	.0004	-.0004	.0002	-.0005	.0009	.0034	.0026
#2	-.0003	-.0001	.0015	.0007	.0010	-.0008	.0005	-.0024	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**.0081**	**-.0134**	**.0066**	**.0009**	**.0005**	**.0001**	**-.0001**	**-.0006**
Stddev	.0036	.0231	.0115	.0032	.0001	.0001	.0007	.0009	.0010
%RSD	101.3	285.2	85.96	48.48	7.456	23.05	541.8	1225.	150.0
#1	.0061	-.0082	-.0215	.0088	.0010	.0005	.0006	.0006	.0000
#2	.0010	.0244	-.0053	.0043	.0009	.0004	-.0003	-.0007	-.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: 6/9/2014 12:34:09 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0074**	**.0002**	**-.0004**	**.0015**	**.0011**
Stddev	.0001	.0001	.0009	.0000	.0006	.0002	.0006
%RSD	87.95	19.78	12.00	17.77	139.8	15.81	55.46
#1	.0001	.0003	.0067	.0002	-.0008	.0014	.0007
#2	.0000	.0003	.0080	.0003	-.0000	.0017	.0015
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	**80945.**	**14958.**	**2685.2**	**3998.0**
Stddev	586.	84.	1.0	3.9
%RSD	.72439	.56123	.03616	.09700
#1	81360.	14899.	2684.6	3995.2
#2	80531.	15017.	2685.9	4000.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 12:39:52 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2026**	**.0022**	**.0033**	**.0517**	**.0111**	**.0104**	**.0164**	**.0105**	**.0052**
Stddev	.0052	.0001	.0002	.0003	.0003	.0005	.0001	.0001	.0003
%RSD	2.544	3.922	4.788	.5824	2.311	4.649	.6197	.5018	6.504
#1	.1990	.0022	.0032	.0515	.0113	.0101	.0165	.0105	.0054
#2	.2063	.0023	.0034	.0519	.0109	.0108	.0164	.0105	.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	**.0525**	**.0229**	**.0087**	**.0114**	F **.0041**	**.0104**	**.0077**	**.2082**	**5.063**
Stddev	.0003	.0002	.0011	.0001	.0001	.0020	.0005	.0072	.133
%RSD	.6279	1.089	12.13	1.073	3.404	18.96	6.091	3.473	2.635
#1	.0528	.0227	.0095	.0114	.0042	.0118	.0080	.2031	4.968
#2	.0523	.0230	.0080	.0113	.0040	.0090	.0074	.2133	5.157
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	**.1100**	**5.093**	**4.974**	**4.959**	**.1046**	**.0203**	**.0532**	**.2149**	**.0107**
Stddev	.0044	.123	.116	.115	.0002	.0001	.0006	.0002	.0000
%RSD	3.990	2.422	2.322	2.309	.1491	.5400	1.040	.0962	.1934
#1	.1069	5.005	4.892	4.878	.1047	.0202	.0536	.2148	.0107
#2	.1131	5.180	5.055	5.040	.1045	.0204	.0528	.2151	.0106
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: 6/9/2014 12:39:52 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0110**	**.0518**	**.0106**	**.0473**	**.0223**	**.0212**
Stddev	.0002	.0003	.0009	.0004	.0001	.0007	.0006
%RSD	1.942	2.583	1.753	3.494	.2526	3.314	3.055
#1	.0104	.0108	.0512	.0103	.0472	.0228	.0207
#2	.0107	.0112	.0524	.0109	.0473	.0218	.0216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79680.**	**14945.**	**2611.6**	**3867.7**
Stddev	161.	246.	6.2	13.3
%RSD	.20250	1.6427	.23582	.34467
#1	79794.	15118.	2616.0	3877.1
#2	79565.	14771.	2607.3	3858.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 12:45:54 Type: QC
Method: Accutest1(v365) 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**	**.0031**	**.0023**	F **.0027**	**.0033**	**.0042**
Stddev	.0000	.0000	.0001	.0000	.0001	.0000	.0000	.0000
%RSD	.0616	3.889	12.74	1.479	3.659	.7193	1.369	.0970
#1	.0042	.0010	.0009	.0031	.0024	.0027	.0033	.0042
#2	.0042	.0010	.0011	.0031	.0022	.0027	.0033	.0042
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**	**.0033**	**.0019**	**.0028**	**.0059**	**.0032**
Stddev	.0002	.0003	.0000	.0009	.0009	.0004	.0002	.0001
%RSD	17.67	15.20	.1973	28.50	47.04	12.84	2.750	3.624
#1	.0010	.0021	.0125	.0039	.0013	.0031	.0060	.0032
#2	.0013	.0017	.0124	.0026	.0025	.0026	.0058	.0033
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	**.1002**	**1.063**	**.0028**	**.1149**	**2.054**	**1.052**	**.0103**	**-.0001**
Stddev	.0069	.006	.0012	.0370	.007	.003	.0003	.0001
%RSD	6.924	.5808	43.31	32.20	.3279	.3178	2.620	50.22
#1	.0953	1.059	.0020	.0887	2.049	1.054	.0104	-.0002
#2	.1052	1.068	.0037	.1410	2.059	1.049	.0101	-.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: 6/9/2014 12:45:54 Type: QC
Method: Accutest1(v365) 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**	**-.0013**	**-.0008**	**-.0000**	**-.0002**	F **-.0011**	F **-.0001**	F **-.0012**
Stddev	.0000	.0003	.0007	.0000	.0004	.0006	.0000	.0014
%RSD	24.98	27.03	90.48	160.9	228.2	48.81	23.37	115.5
#1	-.0002	-.0015	-.0003	.0000	-.0004	-.0007	-.0001	-.0002
#2	-.0001	-.0010	-.0013	-.0000	.0001	-.0015	-.0001	-.0022
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 **.0001**
Stddev	.0002	.0008
%RSD	15.85	820.2
#1	-.0014	-.0004
#2	-.0012	.0006
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79593.**	**14875.**	**2626.7**	**3904.5**
Stddev	125.	121.	5.3	12.6
%RSD	.15720	.81401	.20118	.32237
#1	79505.	14960.	2622.9	3895.6
#2	79682.	14789.	2630.4	3913.4

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 12:51:59 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**.0005**	**-.0001**	**.0002**	**.0000**
Stddev	.0002	.0001	.0001	.0000	.0002	.0003	.0001	.0001	.0003
%RSD	403.5	323.6	109.8	19.43	452.7	67.56	77.04	45.73	1949.
#1	-.0001	-.0000	-.0002	-.0002	-.0002	.0007	-.0001	.0001	-.0002
#2	.0002	.0001	-.0000	-.0002	.0001	.0003	-.0000	.0002	.0002
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0003**	**.0201**	**-.0004**	**.0208**	**.0229**	**.0199**	**.4955**	**.0028**
Stddev	.0003	.0002	.0002	.0003	.0008	.0005	.0005	.0166	.0012
%RSD	85.33	46.17	1.112	86.75	3.954	2.290	2.259	3.355	43.98
#1	-.0005	.0005	.0203	-.0001	.0203	.0225	.0196	.4838	.0037
#2	-.0001	.0002	.0200	-.0006	.0214	.0232	.0202	.5073	.0019
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5302**	**.0061**	**-.0107**	**.0005**	**.0001**	**-.0002**	**-.0016**	**-.0009**	**-.0005**
Stddev	.0014	.0032	.0229	.0033	.0002	.0002	.0002	.0008	.0009
%RSD	.2641	52.17	213.5	666.2	171.3	152.2	11.01	84.76	202.5
#1	.5292	.0038	.0055	-.0019	-.0000	-.0003	-.0015	-.0004	-.0011
#2	.5312	.0083	-.0269	.0029	.0002	.0000	-.0017	-.0015	.0002
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 12:51:59 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**-.0038**	**-.0006**	**-.0028**	**-.0008**	**-.0002**
Stddev	.0001	.0002	.0002	.0001	.0010	.0003	.0000
%RSD	1340.	102.4	5.862	19.51	34.55	39.72	30.27
#1	.0000	.0004	-.0037	-.0005	-.0035	-.0010	-.0001
#2	-.0000	.0001	-.0040	-.0006	-.0021	-.0005	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79286.**	**14997.**	**2638.5**	**3920.9**
Stddev	38.	177.	21.0	41.2
%RSD	.04769	1.1832	.79637	1.0510
#1	79260.	15122.	2653.4	3950.1
#2	79313.	14871.	2623.6	3891.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/9/2014 12:58:05 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0007**	**.0026**	**-.0017**	**-.0015**	**.0032**	**-.0006**	**-.0006**	**-.0052**
Stddev	.0000	.0001	.0002	.0001	.0004	.0006	.0002	.0004	.0005
%RSD	1.901	8.261	6.260	5.384	26.83	19.08	31.92	72.37	9.899
#1	-.0013	.0007	.0025	-.0018	-.0018	.0027	-.0004	-.0009	-.0048
#2	-.0013	.0006	.0027	-.0016	-.0012	.0036	-.0007	-.0003	-.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	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0024**	**-.0007**	**.0005**	**-.0008**	**.0066**	**.0021**	**507.2**	**385.6**
Stddev	.0004	.0001	.0005	.0001	.0021	.0003	.0039	2.9	11.0
%RSD	8.984	3.328	78.09	18.19	282.1	4.891	184.9	.5667	2.844
#1	.0042	.0023	-.0003	.0004	-.0023	.0068	-.0006	505.2	377.8
#2	.0048	.0024	-.0011	.0005	.0007	.0063	.0048	509.3	393.4
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	**190.8**	**520.4**	**.0200**	**-.0190**	**-.0010**	**.0018**	**-.0346**	**-.0029**	**-.0044**
Stddev	2.5	7.3	.0230	.0011	.0008	.0003	.0015	.0014	.0008
%RSD	1.310	1.398	115.2	5.919	84.46	16.35	4.394	48.10	18.46
#1	189.0	515.3	.0037	-.0182	-.0015	.0016	-.0356	-.0019	-.0039
#2	192.6	525.6	.0363	-.0198	-.0004	.0020	-.0335	-.0039	-.0050
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: 6/9/2014 12:58:05 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0028**	**-.0422**	**-.0015**	**-.0130**	**.0248**	**.0043**
Stddev	.0004	.0003	.0019	.0002	.0021	.0002	.0004
%RSD	7.776	10.44	4.514	11.72	16.19	.9189	8.916
#1	-.0047	.0026	-.0408	-.0014	-.0115	.0246	.0046
#2	-.0053	.0030	-.0435	-.0016	-.0145	.0250	.0040
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	**66832.**	**13729.**	**2126.4**	**2974.4**
Stddev	843.	255.	8.2	13.9
%RSD	1.2609	1.8537	.38533	.46608
#1	67428.	13909.	2120.6	2964.6
#2	66236.	13549.	2132.2	2984.2

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/9/2014 13:04:17 Type: QC
Method: Accutest1(v365) 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	**.5011**	**.5001**	**1.040**	**.4893**	**.4864**	**.5338**	**.5168**	**.9711**
Stddev	.0030	.0015	.004	.0032	.0020	.0012	.0018	.0061
%RSD	.6015	.3052	.3498	.6544	.4103	.2327	.3397	.6284
#1	.5032	.5012	1.037	.4870	.4850	.5329	.5155	.9667
#2	.4989	.4990	1.042	.4916	.4879	.5346	.5180	.9754
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	**1.053**	**.4834**	**1.001**	**1.129**	**.9582**	**.9706**	**1.108**	**1.035**
Stddev	.004	.0018	.008	.005	.0049	.0061	.002	.001
%RSD	.3792	.3643	.7675	.4148	.5151	.6325	.1802	.0480
#1	1.050	.4821	.9954	1.126	.9547	.9663	1.106	1.034
#2	1.055	.4846	1.006	1.132	.9617	.9749	1.109	1.035
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	**493.7**	**372.2**	**189.0**	**505.6**	**.0445**	**-.0084**	**.0017**	**.5151**
Stddev	2.8	7.0	.1	1.0	.0446	.0009	.0002	.0021
%RSD	.5761	1.867	.0688	.1916	100.3	10.21	9.401	.4166
#1	495.7	367.3	189.1	504.9	.0129	-.0090	.0016	.5136
#2	491.7	377.2	188.9	506.2	.0760	-.0078	.0018	.5166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/9/2014 13:04:17 Type: QC
Method: Accutest1(v365) 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	**.5044**	**-.0044**	**-.0031**	**-.0046**	**.0019**	**.5321**	F **-.0009**	**.4928**
Stddev	.0040	.0003	.0008	.0003	.0010	.0030	.0000	.0012
%RSD	.7980	7.485	26.84	6.904	54.19	.5628	3.055	.2426
#1	.5016	-.0042	-.0037	-.0044	.0012	.5300	-.0009	.4919
#2	.5073	-.0046	-.0025	-.0048	.0026	.5342	-.0009	.4936
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	**.5469**	**.5708**
Stddev	.0022	.0051
%RSD	.3936	.8853
#1	.5454	.5744
#2	.5484	.5673
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	**68630.**	**14072.**	**2146.9**	**3008.7**
Stddev	336.	43.	12.4	20.9
%RSD	.48928	.30522	.57620	.69512
#1	68867.	14041.	2155.6	3023.5
#2	68392.	14102.	2138.1	2994.0

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/9/2014 13:10:19 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**.0007**	**.0018**	**-.0033**	**-.0009**	**.0001**	**-.0004**	**.0009**	**-.0085**
Stddev	.0000	.0001	.0000	.0001	.0002	.0002	.0000	.0007	.0001
%RSD	49.34	17.89	.1843	2.125	20.49	160.3	1.189	78.90	1.196
#1	.0001	.0006	.0018	-.0034	-.0008	-.0000	-.0004	.0014	-.0086
#2	.0001	.0008	.0018	-.0033	-.0011	.0003	-.0004	.0004	-.0085

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0048**	**.0041**	**.0004**	**.0010**	**.0007**	**-.0026**	**.0003**	**.0243**	**.0070**
Stddev	.0002	.0002	.0006	.0006	.0012	.0001	.0009	.0004	.0075
%RSD	3.551	5.715	133.9	60.76	182.9	2.240	259.8	1.687	107.7
#1	.0047	.0042	.0008	.0006	.0015	-.0025	.0009	.0240	.0017
#2	.0049	.0039	.0000	.0014	-.0002	-.0026	-.0003	.0246	.0123

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**207.9**	**.0214**	**.0033**	**.0027**	**-.0023**	**.0002**	**-.0250**	**.0068**	**-.0027**
Stddev	.7	.0039	.0120	.0099	.0005	.0003	.0020	.0003	.0002
%RSD	.3544	18.32	365.9	365.8	20.83	124.9	7.990	4.847	8.650
#1	207.4	.0186	.0118	.0097	-.0027	.0000	-.0236	.0066	-.0029
#2	208.4	.0241	-.0052	-.0043	-.0020	.0004	-.0265	.0070	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0005**	**-.0042**	**-.0003**	**.0018**	**.0192**	**-.0006**
Stddev	.0000	.0003	.0001	.0003	.0038	.0001	.0003
%RSD	141.1	64.98	3.006	95.41	212.8	.6184	41.36
#1	.0000	.0003	-.0043	-.0006	-.0009	.0193	-.0008
#2	.0000	.0008	-.0042	-.0001	.0045	.0191	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78672.**	**14851.**	**2581.8**	**3816.3**
Stddev	100.	41.	2.6	3.8
%RSD	.12729	.27276	.10073	.09885
#1	78602.	14880.	2580.0	3818.9
#2	78743.	14823.	2583.6	3813.6

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/9/2014 13:16:20 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**.0004**	**-.0002**	**-.0007**	**10.52**	**.0027**	**-.0005**	**.0002**	**.0001**
Stddev	.0002	.0000	.0002	.0001	.02	.0002	.0001	.0000	.0005
%RSD	54.10	8.683	74.96	11.96	.1586	6.421	26.39	7.728	630.8
#1	.0002	.0004	-.0004	-.0007	10.53	.0029	-.0004	.0002	-.0003
#2	.0004	.0004	-.0001	-.0008	10.51	.0026	-.0006	.0002	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**.0024**	**.0028**	**-.0010**	**.0025**	**.0001**	**.2250**	**.0024**	**.0111**
Stddev	.0000	.0002	.0010	.0014	.0002	.0002	.0013	.0011	.0002
%RSD	.2418	9.705	34.94	141.8	10.05	264.7	.5820	47.45	1.975
#1	.0017	.0026	.0035	-.0019	.0026	.0002	.2241	.0032	.0109
#2	.0017	.0023	.0021	.0000	.0023	-.0001	.2260	.0016	.0113

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0628**	**.0186**	**-.0067**	**.0009**	**-.0005**	**.0004**	**-.0014**	**.0160**	**-.0009**
Stddev	.0018	.0210	.0168	.0022	.0001	.0000	.0008	.0011	.0001
%RSD	2.908	113.1	250.5	234.8	11.85	9.336	55.16	6.715	13.71
#1	.0615	.0334	-.0186	.0025	-.0004	.0003	-.0019	.0152	-.0010
#2	.0641	.0037	.0052	-.0006	-.0005	.0004	-.0008	.0168	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0009**	**-.0020**	**-.0022**	**-.0014**	**.0109**	**.0002**
Stddev	.0000	.0000	.0009	.0001	.0006	.0009	.0004
%RSD	217.8	3.382	44.77	5.194	43.76	8.478	189.6
#1	-.0000	.0009	-.0014	-.0023	-.0009	.0115	-.0001
#2	.0000	.0009	-.0026	-.0022	-.0018	.0102	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80617.**	**14974.**	**2590.0**	**3915.9**
Stddev	343.	15.	27.6	38.0
%RSD	.42510	.09921	1.0638	.97012
#1	80375.	14984.	2609.5	3942.7
#2	80859.	14963.	2570.5	3889.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 13:22:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.056**	**2.040**	**2.073**	**2.063**	**1.975**	**2.098**	**2.083**	**.2484**
Stddev	.008	.004	.016	.012	.001	.004	.008	.014	.0017
%RSD	.3746	.1800	.7999	.5808	.0301	.1887	.3742	.6743	.7023
#1	2.024	2.058	2.029	2.065	2.063	1.977	2.104	2.073	.2496
#2	2.014	2.053	2.052	2.082	2.063	1.972	2.093	2.093	.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	**1.996**	**2.063**	**2.034**	**2.152**	**2.106**	**2.071**	**2.044**	**39.78**	**40.33**
Stddev	.001	.017	.014	.008	.014	.013	.013	.14	.14
%RSD	.0699	.7994	.6912	.3735	.6448	.6047	.6578	.3466	.3410
#1	1.997	2.052	2.024	2.147	2.096	2.062	2.034	39.88	40.24
#2	1.995	2.075	2.044	2.158	2.115	2.080	2.053	39.68	40.43
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	**40.82**	**40.29**	**39.59**	**39.95**	**2.081**	**2.054**	**2.005**	**5.098**	**2.090**
Stddev	.07	.16	.21	.10	.017	.017	.002	.038	.013
%RSD	.1652	.4090	.5386	.2600	.8323	.8044	.0776	.7395	.6323
#1	40.77	40.17	39.74	40.02	2.069	2.042	2.006	5.071	2.081
#2	40.87	40.40	39.44	39.87	2.094	2.065	2.004	5.124	2.099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 13:22:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.043**	**1.942**	**2.023**	**1.993**	**2.018**	**1.963**
Stddev	.003	.003	.044	.003	.011	.013	.011
%RSD	.1376	.1319	2.290	.1356	.5431	.6522	.5554
#1	2.034	2.045	1.911	2.025	1.986	2.009	1.971
#2	2.030	2.042	1.974	2.021	2.001	2.028	1.955
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	**76954.**	**14577.**	**2472.2**	**3486.9**
Stddev	25.	32.	19.9	22.2
%RSD	.03232	.21699	.80498	.63783
#1	76936.	14599.	2486.3	3502.7
#2	76971.	14554.	2458.2	3471.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 13:28:13 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0002**	**.0003**	**-.0002**	**.0001**	**.0001**	**.0002**
Stddev	.0000	.0001	.0001	.0001	.0002	.0005	.0000	.0001	.0003
%RSD	8.106	63.72	134.0	81.00	79.72	323.7	50.76	256.6	125.5
#1	.0003	.0001	.0000	.0003	.0005	.0002	.0001	-.0000	.0004
#2	.0002	.0000	.0001	.0001	.0001	-.0005	.0001	.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0009**	**-.0008**	**-.0002**	**-.0006**	**.0013**	**.0060**	**-.0015**
Stddev	.0005	.0000	.0006	.0002	.0008	.0011	.0006	.0058	.0012
%RSD	363.3	.6539	67.63	22.52	391.9	194.3	47.07	95.89	78.83
#1	.0002	.0001	.0005	-.0007	.0004	.0002	.0009	.0101	-.0023
#2	-.0005	.0001	.0013	-.0009	-.0007	-.0013	.0017	.0019	-.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0149**	**.0042**	**.0010**	**.0047**	**.0012**	**.0009**	**-.0010**	**.0100**	**-.0003**
Stddev	.0035	.0399	.0076	.0009	.0002	.0003	.0011	.0004	.0000
%RSD	23.77	944.9	748.2	19.79	20.50	36.67	109.0	3.905	6.407
#1	.0124	.0324	.0064	.0041	.0014	.0011	-.0018	.0103	-.0003
#2	.0174	-.0240	-.0044	.0054	.0010	.0007	-.0002	.0097	-.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: 6/9/2014 13:28:13 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0130**	**.0007**	**-.0033**	**-.0004**	**.0008**
Stddev	.0001	.0002	.0024	.0000	.0013	.0007	.0007
%RSD	265.4	175.4	18.27	6.766	40.93	182.9	92.12
#1	.0001	-.0000	.0147	.0008	-.0042	-.0009	.0003
#2	-.0000	.0003	.0114	.0007	-.0023	.0001	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80498.**	**14937.**	**2648.8**	**3937.3**
Stddev	188.	62.	12.4	21.5
%RSD	.23365	.41393	.46856	.54502
#1	80365.	14981.	2657.6	3952.5
#2	80631.	14894.	2640.1	3922.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 13:34:18 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2044**	**.0022**	**.0032**	**.0522**	**.0111**	**.0103**	**.0167**	**.0104**	**.0052**
Stddev	.0003	.0001	.0001	.0004	.0007	.0003	.0002	.0001	.0004
%RSD	.1575	3.939	1.998	.8102	6.182	3.013	.9543	.5613	8.401
#1	.2041	.0022	.0032	.0519	.0116	.0101	.0168	.0105	.0049
#2	.2046	.0023	.0033	.0525	.0106	.0105	.0166	.0104	.0055
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	**.0525**	**.0228**	**.0086**	**.0108**	**.0036**	**.0117**	**.0071**	**.2076**	**5.164**
Stddev	.0001	.0002	.0006	.0008	.0011	.0010	.0004	.0096	.012
%RSD	.1958	.7624	7.059	7.461	29.61	8.638	5.832	4.640	.2254
#1	.0525	.0226	.0081	.0114	.0028	.0110	.0074	.2008	5.155
#2	.0524	.0229	.0090	.0102	.0043	.0124	.0068	.2144	5.172
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	**.1182**	**5.160**	**4.990**	**5.013**	**.1037**	**.0206**	**.0535**	**.2171**	**.0096**
Stddev	.0024	.001	.022	.006	.0002	.0000	.0004	.0013	.0004
%RSD	2.054	.0188	.4349	.1232	.2128	.1058	.8022	.5963	3.809
#1	.1165	5.160	4.975	5.017	.1038	.0206	.0538	.2162	.0099
#2	.1199	5.159	5.006	5.009	.1035	.0206	.0532	.2181	.0093
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: 6/9/2014 13:34:18 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0106**	**.0507**	**.0108**	**.0470**	**.0201**	**.0208**
Stddev	.0001	.0006	.0006	.0000	.0017	.0004	.0003
%RSD	.5508	5.238	1.235	.4117	3.572	1.867	1.553
#1	.0107	.0110	.0511	.0108	.0482	.0203	.0211
#2	.0106	.0102	.0502	.0107	.0459	.0198	.0206
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	**79724.**	**14831.**	**2621.7**	**3867.1**
Stddev	61.	63.	3.0	8.5
%RSD	.07633	.42749	.11582	.21903
#1	79681.	14876.	2623.9	3873.1
#2	79767.	14787.	2619.6	3861.1

Zoom In Zoom Out

Sample Name: mp79912-mb1 2 Acquired: 6/9/2014 13:40:18 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0001**	**-.0002**	**.0001**	**.0007**	**-.0000**	**-.0002**	**.0003**
Stddev	.0001	.0000	.0000	.0001	.0002	.0002	.0001	.0000	.0003
%RSD	119.9	11.03	8.544	46.58	226.2	22.29	187.1	18.37	102.3
#1	.0000	.0000	.0001	-.0001	.0002	.0009	-.0001	-.0002	.0006
#2	.0001	.0000	.0001	-.0002	-.0000	.0006	.0000	-.0003	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0002**	**-.0008**	**-.0007**	**-.0003**	**.0012**	**.0020**	**-.0069**	**.0045**
Stddev	.0002	.0001	.0001	.0007	.0008	.0019	.0007	.0093	.0021
%RSD	118.2	31.68	17.48	95.84	250.7	163.1	37.74	134.6	47.64
#1	-.0000	.0002	-.0007	-.0002	.0002	.0025	.0025	-.0135	.0060
#2	-.0003	.0003	-.0009	-.0012	-.0008	-.0002	.0014	-.0003	.0030

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0052**	**.0079**	**-.0237**	**.0020**	**-.0001**	**.0002**	**-.0004**	**.0122**	**-.0005**
Stddev	.0004	.0014	.0090	.0014	.0000	.0003	.0005	.0004	.0004
%RSD	7.085	17.61	38.07	73.06	12.17	117.0	113.3	3.104	84.85
#1	.0055	.0089	-.0301	.0030	-.0001	.0000	-.0008	.0124	-.0008
#2	.0050	.0069	-.0173	.0009	-.0001	.0004	-.0001	.0119	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**.0032**	**.0005**	**.0044**	**-.0039**	**.0006**
Stddev	.0001	.0003	.0006	.0001	.0007	.0013	.0005
%RSD	183.4	384.7	18.29	23.92	15.71	32.82	75.49
#1	-.0000	-.0001	.0036	.0006	.0039	-.0030	.0003
#2	.0001	.0003	.0028	.0004	.0049	-.0048	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81770.**	**15171.**	**2644.7**	**3966.4**
Stddev	286.	32.	.1	2.4
%RSD	.35011	.20862	.00431	.06147
#1	81973.	15148.	2644.6	3968.1
#2	81568.	15193.	2644.7	3964.7

Zoom In Zoom Out

Sample Name: mp79912-lc1 2 Acquired: 6/9/2014 13:46:20 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4868**	**.4624**	**.4498**	**.4552**	**.4738**	**.4363**	**.4790**	**.4605**	**.1862**
Stddev	.0005	.0003	.0022	.0004	.0024	.0021	.0003	.0001	.0002
%RSD	.0991	.0741	.4806	.0906	.5170	.4862	.0586	.0133	.0847
#1	.4872	.4627	.4514	.4555	.4755	.4348	.4789	.4604	.1861
#2	.4865	.4622	.4483	.4549	.4721	.4378	.4792	.4605	.1863

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4440**	**.4629**	**.4538**	**.4861**	**.4692**	**.4676**	**.4387**	**4.810**	**5.433**
Stddev	.0010	.0003	.0020	.0022	.0007	.0024	.0035	.012	.009
%RSD	.2216	.0685	.4459	.4528	.1598	.5192	.8012	.2397	.1604
#1	.4447	.4626	.4552	.4876	.4687	.4693	.4411	4.802	5.439
#2	.4433	.4631	.4523	.4845	.4697	.4658	.4362	4.818	5.427

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.569**	**5.303**	**9.452**	**9.808**	**.0068**	**.4618**	**-.0019**	**.0358**	**.0009**
Stddev	.006	.039	.011	.005	.0000	.0010	.0002	.0002	.0007
%RSD	.1037	.7429	.1145	.0489	.5259	.2170	9.074	.6654	72.97
#1	5.573	5.331	9.459	9.811	.0068	.4625	-.0018	.0356	.0014
#2	5.565	5.275	9.444	9.804	.0069	.4611	-.0020	.0359	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4707**	**.0160**	**.0021**	**.0004**	**-.0026**	**.0013**
Stddev	.0000	.0013	.0000	.0001	.0008	.0011	.0009
%RSD	17.78	.2783	.0960	4.316	193.9	41.88	75.22
#1	-.0001	.4697	.0160	.0021	-.0002	-.0018	.0006
#2	-.0002	.4716	.0160	.0020	.0010	-.0034	.0019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	80257.	15095.	2613.6	3816.8
Stddev	455.	26.	8.3	3.8
%RSD	.56666	.17545	.31581	.10031
#1	79936.	15076.	2607.7	3814.0
#2	80579.	15114.	2619.4	3819.5

Zoom In Zoom Out

Sample Name: mp79912-s1 Acquired: 6/9/2014 13:52:14 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.081**	**.0529**	**.0495**	**.5184**	**.2104**	**.2673**	**1.419**	**.5208**	**.0085**
Stddev	.024	.0004	.0004	.0035	.0009	.0004	.005	.0037	.0005
%RSD	1.131	.7907	.8581	.6764	.4196	.1532	.3756	.7016	5.452
#1	2.064	.0526	.0498	.5209	.2110	.2670	1.423	.5233	.0082
#2	2.098	.0532	.0492	.5159	.2098	.2676	1.415	.5182	.0088

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4997**	**.5227**	**2.228**	**2.051**	**.5172**	**2.265**	**.5203**	**2.727**	**167.8**
Stddev	.0025	.0033	.022	.014	.0010	.017	.0038	.022	1.0
%RSD	.4982	.6287	1.012	.6889	.2024	.7356	.7247	.8160	.5698
#1	.5014	.5250	2.244	2.061	.5179	2.277	.5229	2.711	167.1
#2	.4979	.5204	2.212	2.041	.5165	2.253	.5176	2.743	168.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.273**	**61.10**	**40.87**	**220.4**	**.3246**	**.0017**	**.0101**	**12.06**	**-.0029**
Stddev	.052	.36	.52	2.0	.0043	.0004	.0002	.11	.0008
%RSD	.7171	.5964	1.282	.9258	1.327	24.54	2.118	.8974	27.06
#1	7.237	60.84	40.50	218.9	.3276	.0014	.0102	12.14	-.0023
#2	7.310	61.36	41.24	221.8	.3215	.0020	.0099	11.98	-.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6306**	**.0023**	**.0137**	**-.0099**	**23.67**	**.0039**	**.0360**
Stddev	.0061	.0003	.0005	.0001	.17	.0019	.0004
%RSD	.9739	14.94	3.869	.7175	.7090	50.13	1.078
#1	.6262	.0021	.0141	-.0099	23.79	.0025	.0357
#2	.6349	.0025	.0134	-.0100	23.55	.0052	.0363

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	74696.	14544.	2351.5	3294.3
Stddev	156.	25.	15.0	21.3
%RSD	.20938	.17383	.63875	.64549
#1	74585.	14561.	2340.9	3279.2
#2	74806.	14526.	2362.1	3309.3

Zoom In Zoom Out

Sample Name: mp79912-s2 Acquired: 6/9/2014 13:58:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.068**	**.0525**	**.0496**	**.5169**	**.2095**	**.2668**	**1.431**	**.5198**	**.0095**
Stddev	.005	.0000	.0000	.0035	.0002	.0022	.004	.0020	.0005
%RSD	.2252	.0927	.0930	.6745	.1008	.8353	.2711	.3914	5.536
#1	2.071	.0525	.0497	.5144	.2097	.2684	1.429	.5183	.0099
#2	2.064	.0526	.0496	.5194	.2094	.2652	1.434	.5212	.0092

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4982**	**.5212**	**2.234**	**2.050**	**.5150**	**2.268**	**.5220**	**2.722**	**169.9**
Stddev	.0003	.0040	.004	.012	.0031	.010	.0001	.003	.4
%RSD	.0587	.7632	.1718	.5866	.5982	.4361	.0196	.1107	.2100
#1	.4980	.5184	2.231	2.041	.5129	2.261	.5221	2.724	170.2
#2	.4984	.5240	2.237	2.058	.5172	2.275	.5219	2.720	169.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.353**	**61.46**	**40.92**	**221.6**	**.3311**	**.0017**	**.0115**	**12.34**	**-.0029**
Stddev	.047	.02	.06	2.9	.0007	.0001	.0024	.01	.0003
%RSD	.6395	.0272	.1360	1.294	.2039	6.561	21.17	.0877	8.896
#1	7.387	61.48	40.88	223.6	.3316	.0018	.0133	12.34	-.0031
#2	7.320	61.45	40.96	219.5	.3306	.0016	.0098	12.35	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6407**	**.0026**	**.0115**	**-.0102**	**24.22**	**.0049**	**.0357**
Stddev	.0009	.0003	.0003	.0001	.05	.0008	.0001
%RSD	.1414	13.24	2.692	.7560	.2156	16.65	.3979
#1	.6413	.0024	.0113	-.0103	24.18	.0043	.0358
#2	.6400	.0028	.0117	-.0102	24.25	.0055	.0356

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	74296.	14534.	2336.5	3277.8
Stddev	95.	30.	5.6	13.2
%RSD	.12814	.20338	.24107	.40299
#1	74364.	14513.	2340.5	3287.1
#2	74229.	14555.	2332.5	3268.5

Zoom In Zoom Out

Sample Name: jb68571-3 Acquired: 6/9/2014 14:04:06 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0419**	**.0000**	**.0004**	**.0001**	**.0019**	**.0052**	**.8962**	**.0017**	**.0027**
Stddev	.0011	.0000	.0001	.0000	.0001	.0001	.0015	.0002	.0003
%RSD	2.613	95.82	17.47	39.61	2.611	1.311	.1686	12.46	12.27
#1	.0426	.0001	.0005	.0000	.0019	.0051	.8973	.0019	.0029
#2	.0411	.0000	.0004	.0001	.0020	.0052	.8951	.0016	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**.0106**	**.0138**	**.0002**	**.0018**	**.0063**	**.0019**	**.6658**	**142.5**
Stddev	.0002	.0000	.0012	.0025	.0000	.0001	.0001	.0238	3.6
%RSD	8.282	.1317	8.542	1057.	.7493	1.520	5.704	3.568	2.492
#1	.0020	.0106	.0147	-.0016	.0018	.0064	.0020	.6826	145.1
#2	.0022	.0106	.0130	.0020	.0018	.0062	.0018	.6490	140.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.182**	**34.50**	**13.75**	**193.7**	**.3222**	**.0009**	**.0126**	**11.97**	**-.0033**
Stddev	.134	.81	.35	5.6	.0005	.0002	.0000	.02	.0015
%RSD	2.163	2.356	2.513	2.879	.1493	17.32	.1813	.1966	45.27
#1	6.276	35.08	14.00	197.6	.3219	.0008	.0126	11.96	-.0043
#2	6.087	33.93	13.51	189.7	.3226	.0010	.0126	11.99	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6292**	**.0008**	**-.0116**	**-.0114**	**23.35**	**.0011**	**.0347**
Stddev	.0148	.0001	.0011	.0000	.09	.0020	.0000
%RSD	2.359	6.610	9.372	.1949	.3662	187.4	.0302
#1	.6397	.0008	-.0124	-.0114	23.29	.0025	.0347
#2	.6187	.0009	-.0108	-.0114	23.41	-.0004	.0348

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	75324.	14595.	2383.7	3367.9
Stddev	176.	331.	9.1	16.7
%RSD	.23373	2.2656	.38187	.49720
#1	75200.	14361.	2390.2	3379.7
#2	75449.	14829.	2377.3	3356.0

Zoom In Zoom Out

Sample Name: mp79912-sd1 Acquired: 6/9/2014 14:10:10 Type: Unk
Method: Accutest1(v365) 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	**.0418**	**-.0001**	**.0003**	**-.0009**	**.0019**	**.0117**	**.9418**	**.0025**	**.0039**
Stddev	.0011	.0001	.0009	.0002	.0015	.0052	.0272	.0004	.0004
%RSD	2.570	124.0	300.8	25.07	75.32	44.22	2.884	15.05	10.74
#1	.0425	-.0000	.0009	-.0010	.0030	.0153	.9610	.0028	.0042
#2	.0410	-.0001	-.0003	-.0007	.0009	.0080	.9226	.0022	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0209**	**.0145**	**.0030**	**.0089**	**.0108**	**.0057**	**.6857**	**143.7**
Stddev	.0000	.0001	.0026	.0000	.0030	.0005	.0026	.0081	1.7
%RSD	.1721	.5838	17.70	1.276	33.12	4.284	45.79	1.184	1.214
#1	.0022	.0210	.0163	.0030	.0068	.0111	.0075	.6800	142.5
#2	.0022	.0208	.0127	.0029	.0110	.0105	.0038	.6914	145.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.235**	**34.79**	**13.28**	**194.9**	**.3267**	**-.0000**	**.0085**	**12.09**	**-.0094**
Stddev	.098	.58	.10	1.8	.0003	.0009	.0076	.12	.0052
%RSD	1.579	1.673	.7399	.9334	.0965	4769.	88.92	.9916	55.09
#1	6.165	34.37	13.21	193.6	.3269	-.0007	.0032	12.01	-.0058
#2	6.304	35.20	13.35	196.2	.3265	.0006	.0139	12.18	-.0131

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6300**	**.0025**	**-.0485**	**-.0143**	**22.65**	**-.0101**	**.0295**
Stddev	.0068	.0021	.0011	.0003	.21	.0002	.0026
%RSD	1.072	85.23	2.209	2.349	.9443	2.327	8.710
#1	.6253	.0010	-.0477	-.0146	22.50	-.0099	.0277
#2	.6348	.0039	-.0493	-.0141	22.80	-.0103	.0313

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	77300.	14716.	2548.2	3725.2
Stddev	1887.	242.	25.4	36.0
%RSD	2.4404	1.6431	.99783	.96762
#1	75966.	14887.	2566.2	3750.7
#2	78634.	14545.	2530.2	3699.7

Zoom In Zoom Out

Sample Name: jb68247-5 Acquired: 6/9/2014 14:16:11 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0410**	**.0000**	**.0001**	**.0005**	**.0034**	**.0075**	**.0093**	**.0029**	**.0006**
Stddev	.0003	.0000	.0001	.0001	.0003	.0000	.0000	.0002	.0002
%RSD	.7950	138.6	92.39	11.39	10.16	.2244	.4407	6.171	41.37
#1	.0407	.0001	.0002	.0006	.0036	.0075	.0093	.0028	.0008
#2	.0412	.0000	.0000	.0005	.0031	.0075	.0093	.0030	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.0286**	**.0005**	**-.0004**	**.0012**	**.0021**	**.0016**	**.3374**	**11.61**
Stddev	.0002	.0003	.0004	.0011	.0002	.0009	.0002	.0027	.16
%RSD	11.63	1.008	67.26	289.5	18.23	41.81	11.89	.7988	1.365
#1	.0017	.0284	.0008	.0004	.0013	.0027	.0015	.3393	11.49
#2	.0020	.0288	.0003	-.0012	.0010	.0015	.0018	.3355	11.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6967**	**4.590**	**2.462**	**16.48**	**.0407**	**-.0000**	**.0026**	**2.364**	**-.0010**
Stddev	.0072	.051	.036	.13	.0005	.0001	.0002	.007	.0012
%RSD	1.032	1.103	1.481	.8004	1.310	186.3	8.008	.2864	119.1
#1	.6916	4.554	2.436	16.39	.0404	.0000	.0028	2.359	-.0018
#2	.7017	4.626	2.488	16.58	.0411	-.0001	.0025	2.369	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0634**	**.0069**	**-.0068**	**-.0022**	**10.08**	**-.0031**	**.0012**
Stddev	.0008	.0004	.0005	.0003	.04	.0001	.0006
%RSD	1.212	6.403	7.415	15.30	.3902	3.084	54.67
#1	.0628	.0072	-.0072	-.0020	10.06	-.0030	.0016
#2	.0639	.0065	-.0065	-.0025	10.11	-.0032	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	81272.	14981.	2591.5	3852.4
Stddev	712.	159.	10.6	17.1
%RSD	.87579	1.0588	.40754	.44361
#1	80769.	15093.	2599.0	3864.5
#2	81776.	14869.	2584.0	3840.3

Zoom In Zoom Out

Sample Name: jb68247-5f Acquired: 6/9/2014 14:22:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0430**	**-.0000**	**-.0000**	**.0007**	**.0001**	**.0059**	**.0096**	**.0023**	**.0002**
Stddev	.0001	.0001	.0000	.0000	.0002	.0003	.0000	.0002	.0001
%RSD	.2259	226.8	555.6	3.280	190.1	5.223	.1929	9.117	39.09
#1	.0430	-.0001	-.0000	.0007	.0002	.0061	.0095	.0022	.0003
#2	.0429	.0000	.0000	.0007	-.0000	.0056	.0096	.0025	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0228**	**-.0007**	**-.0011**	**.0006**	**.0024**	**.0013**	**.0116**	**12.72**
Stddev	.0002	.0002	.0011	.0005	.0005	.0003	.0004	.0017	.03
%RSD	69.77	1.066	150.7	41.27	83.27	14.00	29.16	14.54	.2500
#1	-.0005	.0226	-.0015	-.0014	.0002	.0021	.0011	.0104	12.74
#2	-.0002	.0229	.0000	-.0008	.0010	.0026	.0016	.0128	12.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0197**	**5.046**	**2.621**	**18.23**	**.0454**	**.0001**	**.0035**	**2.197**	**-.0010**
Stddev	.0012	.003	.014	.06	.0007	.0000	.0017	.014	.0008
%RSD	5.997	.0639	.5269	.3457	1.600	38.12	47.46	.6353	83.69
#1	.0188	5.044	2.631	18.19	.0449	.0001	.0047	2.187	-.0016
#2	.0205	5.049	2.611	18.28	.0459	.0001	.0023	2.207	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0692**	**.0002**	**-.0050**	**-.0026**	**11.23**	**-.0031**	**.0012**
Stddev	.0000	.0005	.0005	.0000	.09	.0012	.0003
%RSD	.0498	243.1	9.241	.6298	.7872	37.60	28.40
#1	.0692	.0006	-.0047	-.0026	11.17	-.0023	.0014
#2	.0692	-.0001	-.0054	-.0026	11.29	-.0040	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80356.**	**14976.**	**2578.6**	**3818.0**
Stddev	353.	98.	11.7	20.0
%RSD	.43882	.65258	.45399	.52438
#1	80606.	14907.	2586.9	3832.1
#2	80107.	15045.	2570.3	3803.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 14:28:16 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**2.055**	**2.044**	**2.081**	**2.053**	**1.951**	**2.089**	**2.090**	**.2474**
Stddev	.002	.002	.025	.025	.005	.004	.006	.024	.0000
%RSD	.0900	.1056	1.243	1.212	.2263	.2275	.3015	1.132	.0144
#1	2.018	2.056	2.026	2.063	2.050	1.948	2.085	2.073	.2474
#2	2.021	2.053	2.062	2.099	2.056	1.954	2.094	2.107	.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	**1.989**	**2.075**	**2.040**	**2.150**	**2.114**	**2.079**	**2.050**	**39.68**	**40.34**
Stddev	.009	.031	.030	.026	.026	.030	.025	.03	.19
%RSD	.4745	1.487	1.495	1.215	1.243	1.456	1.224	.0777	.4623
#1	1.982	2.053	2.019	2.132	2.095	2.057	2.032	39.65	40.48
#2	1.995	2.097	2.062	2.169	2.133	2.100	2.068	39.70	40.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.74**	**40.26**	**39.63**	**39.99**	**2.085**	**2.061**	**1.984**	**5.112**	**2.102**
Stddev	.10	.17	.01	.02	.030	.029	.008	.066	.030
%RSD	.2564	.4290	.0303	.0498	1.426	1.418	.3958	1.287	1.436
#1	40.82	40.38	39.63	39.98	2.064	2.040	1.979	5.066	2.081
#2	40.67	40.14	39.62	40.00	2.106	2.082	1.990	5.159	2.124
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: 6/9/2014 14:28:16 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.034**	**1.866**	**2.006**	**1.996**	**2.026**	**1.965**
Stddev	.001	.009	.062	.009	.022	.027	.005
%RSD	.0701	.4214	3.345	.4545	1.092	1.341	.2565
#1	2.030	2.028	1.821	2.000	1.981	2.006	1.962
#2	2.032	2.040	1.910	2.013	2.012	2.045	1.969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77213.**	**14647.**	**2464.6**	**3474.9**
Stddev	364.	76.	26.1	34.0
%RSD	.47186	.51836	1.0600	.97759
#1	77470.	14593.	2483.1	3498.9
#2	76955.	14701.	2446.2	3450.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 14:34:06 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0001**	**.0009**	**.0001**	**.0001**	**.0009**
Stddev	.0003	.0000	.0000	.0003	.0001	.0000	.0000	.0000	.0000
%RSD	1141.	72.76	27.18	197.2	98.25	1.577	51.21	12.91	3.533
#1	-.0002	.0000	.0001	-.0003	.0000	.0009	.0001	.0001	.0009
#2	.0002	.0001	.0001	.0001	.0002	.0009	.0000	.0001	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**.0000**	**.0004**	**.0002**	**-.0008**	**.0006**	**-.0011**	**.0010**
Stddev	.0002	.0000	.0003	.0008	.0005	.0011	.0003	.0109	.0016
%RSD	82.77	16.97	743.6	224.2	305.4	136.7	42.40	962.1	161.6
#1	-.0001	.0001	.0003	.0010	.0005	-.0000	.0008	.0066	-.0001
#2	-.0003	.0002	-.0002	-.0002	-.0002	-.0016	.0004	-.0089	.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0054**	**-.0027**	**.0130**	**.0011**	**.0009**	**-.0009**	**.0109**	**-.0010**
Stddev	.0018	.0034	.0088	.0064	.0004	.0001	.0014	.0002	.0000
%RSD	75.43	62.39	324.8	49.40	35.28	12.99	145.8	1.668	3.038
#1	.0037	.0030	-.0089	.0085	.0013	.0008	.0000	.0111	-.0011
#2	.0011	.0078	.0035	.0176	.0008	.0009	-.0019	.0108	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 14:34:06 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0120**	**.0004**	**-.0005**	**-.0011**	**.0003**
Stddev	.0001	.0002	.0024	.0000	.0002	.0008	.0002
%RSD	40.16	134.0	20.30	2.833	35.84	72.50	95.28
#1	.0002	-.0003	.0137	.0004	-.0003	-.0006	.0004
#2	.0001	-.0000	.0103	.0004	-.0006	-.0017	.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	**79847.**	**15496.**	**2618.4**	**3894.8**
Stddev	719.	1131.	20.9	30.4
%RSD	.90056	7.2992	.79884	.78007
#1	80356.	16295.	2633.1	3916.3
#2	79339.	14696.	2603.6	3873.3

Zoom In Zoom Out

Sample Name: jb68285-1 Acquired: 6/9/2014 14:40:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0856**	**.0000**	**.0001**	**-.0004**	**.0011**	**.0013**	**.0011**	**.0006**	**.0014**
Stddev	.0001	.0000	.0002	.0000	.0000	.0001	.0000	.0002	.0002
%RSD	.1539	6.445	181.6	9.436	3.910	6.638	.0067	24.08	11.13
#1	.0855	.0000	-.0000	-.0004	.0011	.0013	.0011	.0007	.0013
#2	.0857	.0000	.0002	-.0004	.0010	.0012	.0011	.0005	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0039**	**.0012**	**.0002**	**.0025**	**.0020**	**.0007**	**.0333**	**60.36**
Stddev	.0003	.0002	.0004	.0008	.0007	.0011	.0004	.0004	.16
%RSD	154.8	4.270	34.04	405.1	26.62	57.31	60.04	1.350	.2670
#1	-.0004	.0038	.0015	.0008	.0021	.0027	.0004	.0336	60.24
#2	.0000	.0040	.0009	-.0004	.0030	.0012	.0010	.0330	60.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0214**	**15.10**	**3.617**	**41.02**	**.1107**	**.0001**	**.0043**	**3.851**	**-.0011**
Stddev	.0003	.03	.024	.27	.0007	.0002	.0009	.018	.0004
%RSD	1.494	.2279	.6584	.6693	.6684	162.7	20.35	.4612	38.94
#1	.0211	15.08	3.600	40.82	.1101	.0002	.0037	3.838	-.0014
#2	.0216	15.13	3.634	41.21	.1112	-.0000	.0049	3.863	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4152**	**.0005**	**.0047**	**-.0032**	**9.164**	**-.0008**	**.0015**
Stddev	.0016	.0001	.0002	.0001	.057	.0018	.0009
%RSD	.3906	23.76	4.124	3.839	.6181	216.5	58.12
#1	.4140	.0006	.0048	-.0033	9.124	.0004	.0021
#2	.4163	.0004	.0046	-.0031	9.204	-.0021	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77532.**	**14670.**	**2494.9**	**3632.4**
Stddev	260.	44.	13.8	21.4
%RSD	.33545	.30257	.55433	.58780
#1	77716.	14639.	2504.7	3647.5
#2	77348.	14702.	2485.2	3617.3

Zoom In Zoom Out

Sample Name: jb68285-2 Acquired: 6/9/2014 14:46:14 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0830**	**-.0001**	**.0001**	**-.0002**	**.0018**	**.0018**	**.0052**	**.0006**	**.0013**
Stddev	.0003	.0000	.0002	.0003	.0000	.0010	.0002	.0001	.0003
%RSD	.3437	9.280	106.4	144.7	.3167	53.29	3.229	18.46	26.31
#1	.0832	-.0001	.0002	-.0004	.0018	.0025	.0053	.0005	.0010
#2	.0828	-.0001	.0000	.0000	.0018	.0011	.0050	.0007	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0083**	**.0012**	**-.0019**	**.0030**	**.0009**	**.0012**	**.1044**	**58.91**
Stddev	.0005	.0004	.0005	.0005	.0013	.0012	.0005	.0022	.45
%RSD	213.3	4.495	43.27	26.02	44.03	124.1	40.92	2.103	.7585
#1	.0005	.0085	.0016	-.0022	.0021	.0017	.0009	.1059	59.22
#2	-.0001	.0080	.0008	-.0015	.0039	.0001	.0016	.1028	58.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2061**	**14.78**	**3.533**	**39.61**	**.1117**	**-.0001**	**.0041**	**4.037**	**-.0021**
Stddev	.0007	.11	.013	.07	.0050	.0001	.0012	.157	.0007
%RSD	.3439	.7758	.3591	.1853	4.484	106.9	28.82	3.894	33.50
#1	.2066	14.87	3.524	39.66	.1152	-.0001	.0049	4.148	-.0016
#2	.2056	14.70	3.542	39.56	.1081	-.0000	.0032	3.925	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4029**	**.0028**	**-.0011**	**-.0035**	**9.416**	**-.0030**	**.0012**
Stddev	.0020	.0003	.0005	.0001	.357	.0012	.0008
%RSD	.4871	11.38	40.33	1.650	3.795	40.80	66.77
#1	.4043	.0025	-.0008	-.0035	9.668	-.0039	.0006
#2	.4015	.0030	-.0015	-.0035	9.163	-.0021	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77635.**	**14920.**	**2453.8**	**3579.5**
Stddev	866.	58.	78.7	108.2
%RSD	1.1152	.38782	3.2089	3.0221
#1	77023.	14879.	2398.1	3503.0
#2	78248.	14961.	2509.5	3656.0

Zoom In Zoom Out

Sample Name: jb68285-3 Acquired: 6/9/2014 14:52:14 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0853**	**-.0000**	**.0001**	**-.0003**	**.0018**	**.0017**	**.0027**	**.0004**	**.0014**
Stddev	.0001	.0000	.0001	.0000	.0001	.0000	.0000	.0002	.0001
%RSD	.1625	201.2	93.41	11.44	6.257	3.006	.0346	55.64	10.35
#1	.0852	.0000	.0000	-.0003	.0019	.0017	.0027	.0006	.0013
#2	.0854	-.0001	.0002	-.0003	.0017	.0016	.0027	.0002	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0050**	**.0012**	**-.0010**	**.0020**	**.0006**	**.0014**	**.0616**	**60.95**
Stddev	.0001	.0001	.0008	.0011	.0005	.0010	.0003	.0011	.17
%RSD	41.15	1.195	67.91	102.5	26.67	171.4	23.82	1.862	.2828
#1	.0002	.0049	.0006	-.0018	.0024	-.0001	.0012	.0608	60.83
#2	.0003	.0050	.0018	-.0003	.0016	.0013	.0016	.0624	61.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0822**	**15.26**	**3.595**	**40.81**	**.1120**	**-.0001**	**.0019**	**3.960**	**-.0018**
Stddev	.0015	.06	.031	.18	.0003	.0000	.0019	.020	.0003
%RSD	1.839	.3609	.8513	.4376	.2481	60.12	99.27	.5037	16.41
#1	.0812	15.29	3.573	40.68	.1122	-.0000	.0033	3.946	-.0020
#2	.0833	15.22	3.616	40.94	.1118	-.0001	.0006	3.974	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4160**	**.0013**	**-.0046**	**-.0039**	**9.348**	**-.0032**	**.0016**
Stddev	.0007	.0004	.0010	.0001	.047	.0003	.0003
%RSD	.1643	30.04	20.79	1.796	.5007	7.897	19.79
#1	.4155	.0015	-.0039	-.0038	9.315	-.0034	.0018
#2	.4164	.0010	-.0053	-.0039	9.381	-.0030	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78181.**	**14696.**	**2482.2**	**3618.9**
Stddev	351.	11.	9.5	14.6
%RSD	.44882	.07399	.38161	.40246
#1	77933.	14688.	2488.9	3629.2
#2	78429.	14704.	2475.5	3608.6

Zoom In Zoom Out

Sample Name: jb68285-4 Acquired: 6/9/2014 14:58:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0864**	**.0001**	**.0003**	**-.0003**	**.0017**	**.0020**	**.0037**	**.0005**	**.0013**
Stddev	.0003	.0001	.0001	.0001	.0002	.0003	.0000	.0001	.0002
%RSD	.3315	135.7	48.09	15.66	11.13	17.04	.6290	9.778	12.60
#1	.0866	.0001	.0004	-.0003	.0016	.0022	.0037	.0005	.0014
#2	.0862	.0000	.0002	-.0004	.0019	.0018	.0036	.0006	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0067**	**.0007**	**-.0022**	**.0017**	**.0023**	**.0018**	**.0954**	**60.62**
Stddev	.0002	.0001	.0006	.0011	.0003	.0005	.0001	.0036	.03
%RSD	329.7	1.105	83.15	48.86	20.74	19.85	3.017	3.760	.0535
#1	.0001	.0067	.0003	-.0014	.0019	.0026	.0017	.0980	60.60
#2	-.0002	.0068	.0011	-.0029	.0014	.0020	.0018	.0929	60.65

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1589**	**15.25**	**3.571**	**42.58**	**.1085**	**-.0001**	**.0027**	**3.859**	**-.0020**
Stddev	.0006	.05	.004	.17	.0002	.0001	.0005	.006	.0009
%RSD	.3524	.3032	.1117	.4108	.1972	54.14	19.48	.1557	41.94
#1	.1593	15.21	3.574	42.70	.1086	-.0001	.0030	3.863	-.0014
#2	.1585	15.28	3.568	42.46	.1083	-.0001	.0023	3.854	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4196**	**.0056**	**-.0072**	**-.0034**	**8.870**	**-.0026**	**.0018**
Stddev	.0017	.0010	.0005	.0000	.015	.0003	.0003
%RSD	.3981	17.31	6.890	.1288	.1647	9.761	15.82
#1	.4208	.0049	-.0069	-.0034	8.880	-.0027	.0016
#2	.4184	.0062	-.0076	-.0034	8.860	-.0024	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77528.**	**14735.**	**2502.8**	**3645.4**
Stddev	171.	17.	6.3	8.1
%RSD	.22102	.11205	.25326	.22243
#1	77407.	14724.	2498.3	3639.6
#2	77650.	14747.	2507.3	3651.1

Zoom In Zoom Out

Sample Name: jb68285-5 Acquired: 6/9/2014 15:04:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0317**	**-.0001**	**.0001**	**-.0003**	**.0012**	**.0029**	**.0186**	**.0012**	**.0011**
Stddev	.0001	.0000	.0001	.0002	.0001	.0002	.0001	.0000	.0005
%RSD	.3280	23.06	127.6	49.70	5.109	6.281	.4856	1.415	42.66
#1	.0318	-.0001	.0000	-.0002	.0012	.0031	.0186	.0012	.0008
#2	.0316	-.0001	.0002	-.0004	.0011	.0028	.0187	.0012	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0151**	**.0012**	**.0000**	**.0025**	**.0027**	**.0020**	**.0328**	**47.35**
Stddev	.0001	.0001	.0006	.0014	.0008	.0003	.0012	.0006	.16
%RSD	55.21	.4931	52.11	4406.	33.66	9.724	60.96	1.783	.3322
#1	-.0002	.0151	.0008	.0011	.0031	.0025	.0011	.0332	47.46
#2	-.0004	.0152	.0017	-.0010	.0019	.0029	.0029	.0323	47.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0294**	**7.528**	**9.296**	**23.56**	**.0762**	**.0006**	**.0049**	**2.485**	**-.0015**
Stddev	.0012	.012	.067	.11	.0003	.0000	.0003	.008	.0003
%RSD	4.092	.1635	.7232	.4557	.4540	2.757	5.376	.3250	22.34
#1	.0286	7.537	9.343	23.63	.0765	.0006	.0047	2.491	-.0017
#2	.0303	7.520	9.248	23.48	.0760	.0006	.0051	2.479	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2115**	**.0004**	**-.0065**	**-.0029**	**22.84**	**-.0034**	**.0012**
Stddev	.0010	.0006	.0008	.0002	.03	.0007	.0001
%RSD	.4498	140.5	12.30	7.460	.1498	20.83	9.787
#1	.2122	.0008	-.0071	-.0027	22.87	-.0029	.0011
#2	.2108	.0000	-.0059	-.0030	22.82	-.0039	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78968.**	**14820.**	**2520.6**	**3716.6**
Stddev	204.	148.	.4	4.7
%RSD	.25890	1.0014	.01628	.12619
#1	78824.	14715.	2520.4	3719.9
#2	79113.	14925.	2520.9	3713.3

Zoom In Zoom Out

Sample Name: jb68285-6 Acquired: 6/9/2014 15:10:09 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0320**	**-.0000**	**.0002**	**-.0003**	**.0013**	**.0022**	**.0125**	**.0012**	**.0012**
Stddev	.0001	.0000	.0000	.0001	.0002	.0004	.0001	.0000	.0001
%RSD	.2243	100.2	26.61	33.19	12.25	19.39	.6429	2.842	8.683
#1	.0320	-.0000	.0001	-.0002	.0012	.0019	.0125	.0012	.0013
#2	.0319	-.0000	.0002	-.0004	.0014	.0025	.0126	.0011	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0144**	**.0015**	**-.0018**	**.0019**	**.0027**	**.0012**	**.0285**	**48.15**
Stddev	.0000	.0000	.0010	.0013	.0006	.0011	.0010	.0080	.07
%RSD	2.322	.2464	69.65	69.48	32.43	38.38	86.58	27.89	.1448
#1	-.0003	.0144	.0022	-.0009	.0023	.0020	.0019	.0342	48.20
#2	-.0003	.0144	.0007	-.0027	.0015	.0035	.0005	.0229	48.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0232**	**7.647**	**9.387**	**22.56**	**.0765**	**.0003**	**.0045**	**2.494**	**-.0014**
Stddev	.0010	.001	.049	.07	.0001	.0000	.0013	.002	.0005
%RSD	4.403	.0189	.5162	.3060	.1471	3.186	28.47	.0838	35.66
#1	.0240	7.648	9.421	22.61	.0766	.0003	.0054	2.496	-.0018
#2	.0225	7.646	9.353	22.51	.0764	.0003	.0036	2.493	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2135**	**.0005**	**-.0084**	**-.0029**	**22.88**	**-.0024**	**.0018**
Stddev	.0008	.0002	.0012	.0002	.04	.0006	.0009
%RSD	.3562	51.78	13.91	6.157	.1888	25.44	51.98
#1	.2140	.0006	-.0092	-.0028	22.91	-.0020	.0025
#2	.2130	.0003	-.0076	-.0031	22.85	-.0028	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78508.**	**14735.**	**2524.1**	**3711.9**
Stddev	398.	11.	4.9	5.0
%RSD	.50727	.07580	.19588	.13435
#1	78790.	14743.	2520.6	3708.3
#2	78226.	14728.	2527.6	3715.4

Zoom In Zoom Out

Sample Name: jb68285-7 Acquired: 6/9/2014 15:16:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0341**	**-.0000**	**.0002**	**-.0003**	**.0012**	**.0029**	**.0242**	**.0011**	**.0014**
Stddev	.0000	.0000	.0000	.0002	.0001	.0015	.0014	.0001	.0001
%RSD	.1131	103.2	18.46	66.04	4.651	50.94	5.579	8.960	4.754
#1	.0341	-.0001	.0003	-.0001	.0012	.0039	.0252	.0010	.0014
#2	.0342	-.0000	.0002	-.0004	.0013	.0018	.0233	.0011	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0180**	**.0008**	**-.0011**	**.0014**	**.0036**	**.0020**	**.0359**	**50.18**
Stddev	.0004	.0002	.0018	.0012	.0003	.0008	.0001	.0102	.04
%RSD	248.6	1.241	217.0	103.9	22.15	23.30	6.483	28.52	.0894
#1	.0001	.0182	.0021	-.0020	.0016	.0042	.0021	.0286	50.15
#2	-.0005	.0179	-.0004	-.0003	.0012	.0030	.0019	.0431	50.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0466**	**7.865**	**9.786**	**25.48**	**.0761**	**.0007**	**.0038**	**2.641**	**-.0018**
Stddev	.0024	.031	.100	.11	.0007	.0002	.0013	.008	.0001
%RSD	5.066	.3925	1.024	.4333	.9288	27.06	34.23	.3055	4.680
#1	.0483	7.843	9.857	25.56	.0766	.0008	.0029	2.647	-.0018
#2	.0450	7.886	9.715	25.40	.0756	.0006	.0047	2.635	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2224**	**.0005**	**-.0099**	**-.0036**	**22.99**	**-.0034**	**.0015**
Stddev	.0012	.0005	.0003	.0002	.02	.0002	.0006
%RSD	.5209	93.22	3.296	4.751	.0988	5.571	43.96
#1	.2233	.0002	-.0097	-.0034	23.01	-.0035	.0019
#2	.2216	.0008	-.0102	-.0037	22.97	-.0032	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78371.**	**14722.**	**2515.0**	**3700.9**
Stddev	3179.	10.	6.4	9.0
%RSD	4.0561	.06543	.25514	.24251
#1	76123.	14715.	2510.4	3694.6
#2	80619.	14729.	2519.5	3707.3

Zoom In Zoom Out

Sample Name: jb68285-8 Acquired: 6/9/2014 15:22:10 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**-.0001**	**.0003**	**.0001**	**-.0004**	**.0007**
Stddev	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0004
%RSD	7.083	555.2	16.72	19.97	155.6	44.90	55.91	19.37	60.87
#1	.0002	-.0000	.0001	-.0004	-.0002	.0004	.0001	-.0005	.0004
#2	.0002	.0000	.0000	-.0003	.0000	.0002	.0002	-.0004	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0006**	**-.0011**	**-.0029**	**.0008**	**.0006**	**.0021**	**.0059**	**.0113**
Stddev	.0001	.0000	.0008	.0007	.0002	.0010	.0003	.0058	.0042
%RSD	22.13	3.197	74.57	25.39	29.68	165.1	13.09	98.66	37.09
#1	-.0005	.0006	-.0005	-.0024	.0006	-.0001	.0023	.0100	.0084
#2	-.0004	.0006	-.0016	-.0035	.0010	.0014	.0019	.0018	.0143

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0085**	**-.0013**	**.0071**	**.0126**	**.0002**	**-.0001**	**-.0008**	**.0208**	**.0003**
Stddev	.0014	.0281	.0166	.0009	.0001	.0000	.0001	.0002	.0001
%RSD	16.57	2241.	232.0	7.400	31.51	59.28	9.634	1.016	24.27
#1	.0095	-.0212	.0189	.0132	.0003	-.0001	-.0007	.0206	.0002
#2	.0075	.0186	-.0046	.0119	.0002	-.0000	-.0008	.0209	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0065**	**.0006**	**.0032**	**-.0043**	**-.0002**
Stddev	.0001	.0004	.0004	.0002	.0008	.0001	.0011
%RSD	157.2	102.9	5.710	28.45	24.24	3.268	501.2
#1	-.0000	.0001	-.0062	.0008	.0026	-.0042	.0006
#2	.0001	.0006	-.0067	.0005	.0037	-.0044	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80812.**	**14717.**	**2620.5**	**3925.0**
Stddev	451.	441.	17.0	30.9
%RSD	.55820	2.9982	.64865	.78758
#1	81131.	15029.	2632.5	3946.9
#2	80493.	14405.	2608.5	3903.1

Zoom In Zoom Out

Sample Name: jb68343-1 Acquired: 6/9/2014 15:28:14 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1732**	**.0000**	**.0002**	**.0003**	**.0023**	**.0135**	**.7505**	**.0020**	**.0017**
Stddev	.0012	.0000	.0002	.0001	.0001	.0008	.0008	.0003	.0000
%RSD	.7058	90.59	63.85	40.07	2.902	5.740	.1083	12.45	.9770
#1	.1741	.0000	.0001	.0002	.0023	.0130	.7511	.0018	.0017
#2	.1723	.0001	.0003	.0003	.0024	.0141	.7499	.0022	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.2842**	**.0057**	**-.0034**	**.0009**	**.0018**	**.0021**	**.2515**	**70.06**
Stddev	.0004	.0032	.0004	.0007	.0005	.0001	.0006	.0037	.10
%RSD	50.78	1.126	7.482	21.18	58.29	7.295	30.39	1.452	.1357
#1	.0006	.2819	.0060	-.0039	.0005	.0019	.0026	.2490	70.13
#2	.0012	.2864	.0054	-.0029	.0013	.0017	.0017	.2541	70.00

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.002**	**25.15**	**8.403**	**104.4**	**.1143**	**.0103**	**.0031**	**3.547**	**-.0016**
Stddev	.013	.01	.056	.7	.0012	.0000	.0011	.033	.0001
%RSD	.6291	.0556	.6704	.6961	1.079	.2270	34.22	.9200	7.888
#1	2.011	25.16	8.443	104.9	.1135	.0103	.0024	3.524	-.0017
#2	1.993	25.14	8.363	103.9	.1152	.0103	.0039	3.570	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4384**	**.0057**	**-.0128**	**-.0032**	**11.77**	**-.0034**	**.0336**
Stddev	.0018	.0002	.0013	.0000	.13	.0000	.0002
%RSD	.4070	3.612	10.12	.3850	1.114	1.065	.4560
#1	.4397	.0055	-.0137	-.0032	11.68	-.0034	.0335
#2	.4372	.0058	-.0119	-.0032	11.86	-.0034	.0337

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77069.**	**14718.**	**2418.5**	**3483.7**
Stddev	184.	19.	19.9	29.3
%RSD	.23930	.13152	.82282	.84104
#1	76938.	14704.	2432.6	3504.4
#2	77199.	14732.	2404.4	3463.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 15:34:14 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.053**	**2.047**	**2.080**	**2.077**	**1.979**	**2.114**	**2.093**	**.2491**
Stddev	.007	.010	.021	.014	.004	.002	.003	.015	.0004
%RSD	.3267	.4980	1.024	.6561	.1850	.1041	.1271	.7199	.1424
#1	2.033	2.060	2.033	2.070	2.074	1.981	2.112	2.082	.2488
#2	2.023	2.045	2.062	2.090	2.080	1.978	2.116	2.104	.2493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.075**	**2.044**	**2.154**	**2.118**	**2.078**	**2.051**	**39.89**	**40.68**
Stddev	.002	.017	.026	.016	.017	.020	.018	.24	.14
%RSD	.0865	.8118	1.285	.7379	.8104	.9415	.8865	.6030	.3517
#1	2.006	2.064	2.026	2.143	2.106	2.064	2.038	40.06	40.78
#2	2.009	2.087	2.063	2.165	2.130	2.092	2.064	39.72	40.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.07**	**40.53**	**39.74**	**40.15**	**2.088**	**2.066**	**2.008**	**5.109**	**2.106**
Stddev	.15	.17	.16	.06	.020	.022	.002	.054	.015
%RSD	.3657	.4318	.3990	.1605	.9349	1.043	.0890	1.061	.7077
#1	41.18	40.65	39.85	40.20	2.074	2.050	2.009	5.071	2.095
#2	40.97	40.40	39.62	40.11	2.101	2.081	2.007	5.147	2.116
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: 6/9/2014 15:34:14 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.052**	**1.914**	**2.033**	**1.996**	**2.030**	**1.970**
Stddev	.004	.001	.052	.002	.021	.022	.002
%RSD	.1803	.0539	2.741	.0749	1.069	1.095	.1062
#1	2.048	2.053	1.877	2.032	1.981	2.014	1.971
#2	2.043	2.051	1.951	2.034	2.011	2.046	1.968
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	**76683.**	**14433.**	**2469.1**	**3479.5**
Stddev	117.	178.	22.7	24.3
%RSD	.15234	1.2327	.91928	.69756
#1	76600.	14307.	2485.1	3496.6
#2	76765.	14559.	2453.0	3462.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 15:40:04 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**-.0001**	**-.0000**	**.0001**	**.0003**	**.0000**	**.0003**	**.0003**
Stddev	.0000	.0000	.0000	.0000	.0002	.0003	.0000	.0002	.0004
%RSD	23.37	16.93	45.68	182.8	172.4	88.48	121.5	76.58	134.8
#1	.0001	.0001	-.0001	.0000	.0003	.0001	.0001	.0004	.0000
#2	.0002	.0001	-.0001	-.0000	-.0000	.0005	.0000	.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0001**	**.0007**	**.0005**	**.0001**	**-.0023**	**.0016**	**.0043**	**.0004**
Stddev	.0002	.0001	.0009	.0008	.0002	.0004	.0002	.0028	.0028
%RSD	49.60	57.89	126.5	162.1	183.0	17.83	9.955	65.59	724.0
#1	-.0005	.0002	.0013	-.0001	-.0000	-.0026	.0015	.0063	-.0016
#2	-.0002	.0001	.0001	.0010	.0002	-.0020	.0017	.0023	.0024
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	**.0041**	**-.0153**	**-.0071**	**.0190**	**.0008**	**.0008**	**-.0013**	**.0086**	**-.0001**
Stddev	.0047	.0139	.0237	.0044	.0008	.0005	.0001	.0002	.0007
%RSD	116.6	90.77	333.9	23.27	99.66	58.15	9.749	2.468	528.8
#1	.0074	-.0251	-.0239	.0159	.0002	.0012	-.0014	.0085	.0004
#2	.0007	-.0055	.0097	.0222	.0013	.0005	-.0012	.0088	-.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: 6/9/2014 15:40:04 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0137**	**.0006**	**-.0042**	**-.0011**	**.0005**
Stddev	.0001	.0001	.0011	.0001	.0015	.0003	.0001
%RSD	51.25	22.33	8.282	22.99	34.73	27.79	14.12
#1	.0002	.0003	.0145	.0006	-.0032	-.0009	.0004
#2	.0001	.0002	.0129	.0005	-.0053	-.0013	.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	**80119.**	**14791.**	**2646.3**	**3935.1**
Stddev	245.	63.	16.1	27.0
%RSD	.30578	.42390	.60661	.68542
#1	80292.	14747.	2657.6	3954.1
#2	79946.	14835.	2634.9	3916.0

Zoom In Zoom Out

Sample Name: jb68447-1 Acquired: 6/9/2014 15:46:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0689**	**.0000**	**.0003**	**-.0005**	**.0013**	**.0024**	**.0049**	**.0011**	**.0021**
Stddev	.0000	.0000	.0003	.0002	.0004	.0003	.0000	.0003	.0002
%RSD	.0326	119.7	93.93	41.64	27.84	11.55	.3214	26.50	8.953
#1	.0689	.0000	.0001	-.0006	.0010	.0026	.0049	.0009	.0020
#2	.0689	.0000	.0005	-.0003	.0015	.0022	.0049	.0014	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0018**	**.0022**	**.0004**	**.0004**	**.0039**	**.0019**	**.0545**	**92.21**
Stddev	.0002	.0001	.0007	.0016	.0013	.0004	.0006	.0034	.26
%RSD	244.2	2.831	31.98	409.4	319.8	10.66	30.08	6.237	.2773
#1	-.0002	.0018	.0027	-.0007	-.0005	.0041	.0023	.0521	92.03
#2	.0001	.0018	.0017	.0015	.0013	.0036	.0015	.0569	92.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2083**	**55.05**	**3.739**	**84.10**	**.0501**	**.0011**	**.0060**	**5.542**	**-.0018**
Stddev	.0000	.05	.019	.10	.0000	.0000	.0005	.088	.0003
%RSD	.0130	.0869	.5120	.1206	.0096	3.564	7.980	1.591	14.52
#1	.2083	55.02	3.753	84.17	.0501	.0011	.0056	5.605	-.0020
#2	.2083	55.09	3.726	84.03	.0501	.0012	.0063	5.480	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0924**	**.0014**	**.0034**	**-.0049**	**18.33**	**-.0022**	**.0033**
Stddev	.0001	.0004	.0014	.0001	.27	.0004	.0013
%RSD	.1235	28.00	40.95	2.909	1.457	19.29	39.58
#1	.0923	.0011	.0044	-.0048	18.52	-.0025	.0042
#2	.0925	.0016	.0024	-.0050	18.14	-.0019	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74895.**	**14551.**	**2450.3**	**3497.9**
Stddev	649.	7.	35.1	45.2
%RSD	.86684	.05082	1.4326	1.2917
#1	74436.	14556.	2425.5	3465.9
#2	75354.	14546.	2475.1	3529.8

Zoom In Zoom Out

Sample Name: jb68447-2 Acquired: 6/9/2014 15:52:11 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0362**	**-.0000**	**.0004**	**.0014**	**.0026**	**.0020**	**.0420**	**.0015**	**.0023**
Stddev	.0001	.0000	.0000	.0001	.0004	.0001	.0002	.0005	.0002
%RSD	.3583	14.77	2.256	10.49	15.72	3.552	.4387	29.97	7.764
#1	.0361	-.0000	.0004	.0013	.0023	.0020	.0421	.0012	.0024
#2	.0363	-.0000	.0004	.0015	.0029	.0019	.0419	.0019	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0016**	**.0032**	**-.0011**	**.0010**	**.0067**	**.0004**	**.0463**	**107.4**
Stddev	.0002	.0001	.0010	.0001	.0002	.0011	.0008	.0000	.2
%RSD	52.62	5.130	30.31	5.669	17.83	16.34	208.7	.0002	.1522
#1	.0003	.0016	.0039	-.0012	.0011	.0060	.0010	.0463	107.5
#2	.0006	.0017	.0025	-.0011	.0009	.0075	-.0002	.0463	107.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.248**	**46.32**	**4.170**	**16.70**	**.3042**	**.0008**	**.0057**	**4.770**	**-.0020**
Stddev	.009	.00	.024	.01	.0002	.0003	.0001	.012	.0002
%RSD	.2775	.0096	.5624	.0328	.0546	33.16	2.479	.2555	7.752
#1	3.254	46.32	4.153	16.70	.3043	.0006	.0058	4.762	-.0021
#2	3.242	46.32	4.187	16.70	.3040	.0010	.0056	4.779	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3075**	**.0007**	**-.0059**	**-.0046**	**22.20**	**-.0014**	**.0031**
Stddev	.0002	.0003	.0001	.0001	.07	.0007	.0001
%RSD	.0793	41.92	2.517	1.241	.2993	52.22	2.908
#1	.3077	.0009	-.0058	-.0045	22.16	-.0009	.0030
#2	.3074	.0005	-.0061	-.0046	22.25	-.0019	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77107.**	**14672.**	**2448.0**	**3485.4**
Stddev	72.	63.	3.0	5.6
%RSD	.09346	.43269	.12224	.16153
#1	77056.	14717.	2450.2	3489.4
#2	77158.	14627.	2445.9	3481.4

Zoom In Zoom Out

Sample Name: jb68447-3 Acquired: 6/9/2014 15:58:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0347**	**.0000**	**.0002**	**-.0003**	**.0004**	**.0020**	**.0034**	**-.0004**	**.0020**
Stddev	.0001	.0000	.0001	.0002	.0000	.0001	.0001	.0005	.0004
%RSD	.2413	45.59	43.11	66.11	7.754	6.086	3.550	116.3	21.22
#1	.0346	.0000	.0002	-.0005	.0005	.0021	.0033	-.0001	.0017
#2	.0347	.0000	.0003	-.0002	.0004	.0019	.0035	-.0007	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0009**	**.0023**	**-.0011**	**.0012**	**.0048**	**.0003**	**.0392**	**93.08**
Stddev	.0004	.0002	.0006	.0013	.0005	.0019	.0001	.0040	.20
%RSD	669.5	20.26	26.83	117.7	41.35	39.05	22.63	10.26	.2110
#1	-.0003	.0011	.0027	-.0002	.0008	.0034	.0004	.0420	93.22
#2	.0002	.0008	.0019	-.0020	.0015	.0061	.0003	.0363	92.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3070**	**49.83**	**6.030**	**9.762**	**.1061**	**-.0000**	**.0136**	**5.669**	**-.0016**
Stddev	.0002	.03	.009	.011	.0003	.0000	.0006	.010	.0008
%RSD	.0799	.0586	.1457	.1121	.3271	64.47	4.393	.1830	47.35
#1	.3068	49.81	6.024	9.754	.1058	-.0000	.0140	5.661	-.0011
#2	.3072	49.85	6.036	9.769	.1063	-.0000	.0131	5.676	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3594**	**.0007**	**-.0076**	**-.0073**	**55.14**	**-.0022**	**.0033**
Stddev	.0001	.0000	.0005	.0002	.23	.0008	.0003
%RSD	.0221	1.848	6.560	3.000	.4109	38.66	9.630
#1	.3594	.0007	-.0072	-.0071	54.98	-.0028	.0036
#2	.3593	.0007	-.0079	-.0074	55.30	-.0016	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77098.**	**14641.**	**2463.7**	**3559.4**
Stddev	214.	12.	5.4	12.3
%RSD	.27770	.08405	.21958	.34526
#1	76947.	14632.	2467.5	3568.1
#2	77250.	14650.	2459.9	3550.7

Zoom In Zoom Out

Sample Name: jb68447-4 Acquired: 6/9/2014 16:04:11 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0497**	**-.0000**	**.0004**	**-.0001**	**.0008**	**.0013**	**.0009**	**.0000**	**.0018**
Stddev	.0010	.0001	.0000	.0003	.0006	.0009	.0000	.0000	.0001
%RSD	2.021	11710.	3.448	321.6	72.23	69.62	4.987	99.44	5.533
#1	.0504	-.0001	.0004	.0001	.0004	.0007	.0009	.0000	.0017
#2	.0490	.0001	.0004	-.0003	.0012	.0019	.0009	.0000	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0017**	**.0009**	**-.0018**	**.0005**	**.0036**	**.0023**	**.0412**	**68.53**
Stddev	.0000	.0000	.0000	.0009	.0004	.0005	.0003	.0027	1.21
%RSD	24.16	.0092	4.203	52.21	67.87	14.12	15.17	6.486	1.759
#1	.0000	.0017	.0008	-.0011	.0008	.0032	.0020	.0393	69.38
#2	.0000	.0017	.0009	-.0024	.0003	.0039	.0025	.0431	67.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0588**	**38.51**	**3.027**	**4.185**	**.0748**	**.0001**	**.0057**	**7.599**	**-.0021**
Stddev	.0004	.60	.051	.069	.0002	.0002	.0023	.011	.0009
%RSD	.7160	1.547	1.684	1.657	.3088	196.2	40.58	.1384	41.28
#1	.0591	38.93	3.064	4.234	.0750	.0002	.0073	7.606	-.0028
#2	.0585	38.09	2.991	4.136	.0747	-.0000	.0041	7.592	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0731**	**.0006**	**-.0028**	**-.0068**	**5.816**	**-.0036**	**.0033**
Stddev	.0010	.0000	.0004	.0003	.010	.0003	.0007
%RSD	1.412	4.094	15.70	4.012	.1748	9.253	20.86
#1	.0738	.0006	-.0032	-.0066	5.809	-.0034	.0028
#2	.0724	.0006	-.0025	-.0070	5.823	-.0038	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76568.**	**14671.**	**2502.9**	**3594.3**
Stddev	1903.	222.	.7	5.0
%RSD	2.4851	1.5136	.02861	.13884
#1	77913.	14514.	2502.4	3597.8
#2	75222.	14828.	2503.4	3590.7

Zoom In Zoom Out

Sample Name: jb68447-5 Acquired: 6/9/2014 16:10:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0009**	**-.0001**	**.0001**	**-.0004**	**.0000**	**.0012**	**.0001**	**.0001**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0003	.0004	.0001	.0001	.0005
%RSD	5.569	58.15	77.50	24.40	4626.	28.79	88.66	101.7	202.6
#1	.0009	-.0001	.0002	-.0003	-.0002	.0010	.0000	.0000	.0001
#2	.0010	-.0000	.0000	-.0005	.0002	.0015	.0002	.0002	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0029**	**-.0006**	**-.0013**	**.0009**	**.0015**	**.0024**	**.0073**	**.0370**
Stddev	.0002	.0001	.0013	.0003	.0003	.0000	.0005	.0044	.0023
%RSD	44.78	5.237	206.1	23.24	36.59	.7653	21.20	59.90	6.225
#1	-.0007	.0028	-.0016	-.0016	.0011	.0015	.0028	.0042	.0354
#2	-.0004	.0030	.0003	-.0011	.0006	.0015	.0020	.0104	.0386

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0132**	**.0069**	**.0309**	**.0952**	**.0012**	**-.0002**	**-.0019**	**.0095**	**-.0005**
Stddev	.0016	.0054	.0078	.0006	.0002	.0004	.0000	.0007	.0003
%RSD	12.19	78.49	25.18	.6680	15.47	264.2	.3873	7.358	57.98
#1	.0121	.0031	.0364	.0957	.0013	-.0005	-.0019	.0090	-.0008
#2	.0144	.0107	.0254	.0948	.0010	.0001	-.0019	.0100	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0041**	**-.0002**	**.0079**	**-.0034**	**.0000**
Stddev	.0000	.0002	.0016	.0000	.0005	.0004	.0002
%RSD	52.77	73.32	39.48	8.598	6.749	10.70	571.7
#1	.0001	.0004	-.0030	-.0002	.0075	-.0037	-.0001
#2	.0000	.0001	-.0053	-.0002	.0083	-.0032	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80642.**	**14902.**	**2638.6**	**3946.6**
Stddev	156.	49.	7.3	13.9
%RSD	.19294	.32651	.27561	.35255
#1	80752.	14868.	2633.4	3936.8
#2	80532.	14937.	2643.7	3956.4

Zoom In Zoom Out

Sample Name: jb68546-1 Acquired: 6/9/2014 16:16:15 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0645**	**.0000**	**.0002**	**-.0002**	**-.0003**	**.0034**	**.1485**	**.0036**	**.0014**
Stddev	.0002	.0001	.0001	.0001	.0001	.0000	.0006	.0003	.0003
%RSD	.2609	291.7	28.02	36.64	37.89	.3055	.3940	7.313	19.90
#1	.0646	.0001	.0002	-.0002	-.0002	.0034	.1481	.0035	.0012
#2	.0643	-.0000	.0003	-.0001	-.0004	.0034	.1489	.0038	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.0501**	**.0002**	**-.0006**	**.0015**	**.0048**	**.0015**	**.0454**	**40.60**
Stddev	.0004	.0002	.0018	.0007	.0009	.0026	.0013	.0018	.14
%RSD	24.90	.4727	872.4	113.6	63.30	54.51	85.11	3.948	.3566
#1	.0018	.0503	.0015	-.0011	.0021	.0067	.0025	.0466	40.70
#2	.0013	.0500	-.0011	-.0001	.0008	.0030	.0006	.0441	40.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1064**	**12.33**	**9.431**	**10.99**	**.0376**	**-.0004**	**.0135**	**9.375**	**-.0024**
Stddev	.0005	.02	.003	.01	.0004	.0001	.0002	.006	.0003
%RSD	.4903	.1723	.0276	.0814	1.033	26.70	1.128	.0686	10.29
#1	.1068	12.34	9.433	10.99	.0379	-.0004	.0134	9.380	-.0023
#2	.1060	12.31	9.429	10.98	.0373	-.0003	.0136	9.371	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1092**	**.0003**	**-.0016**	**-.0093**	**26.84**	**-.0046**	**.0107**
Stddev	.0002	.0005	.0005	.0001	.03	.0004	.0008
%RSD	.1533	148.8	33.58	.6573	.0963	8.882	7.328
#1	.1094	-.0000	-.0012	-.0094	26.85	-.0043	.0102
#2	.1091	.0006	-.0019	-.0093	26.82	-.0049	.0113

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79246.**	**14791.**	**2524.2**	**3711.5**
Stddev	100.	73.	1.6	4.4
%RSD	.12557	.49022	.06250	.11807
#1	79176.	14739.	2523.1	3714.6
#2	79316.	14842.	2525.3	3708.4

Zoom In Zoom Out

Sample Name: mp79886-b2 Acquired: 6/9/2014 16:22:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.842**	**.1001**	**.0894**	**.9797**	**.4018**	**.4645**	**1.013**	**.9875**	**.0110**
Stddev	.005	.0001	.0003	.0025	.0002	.0007	.004	.0026	.0003
%RSD	.1396	.1222	.3241	.2567	.0553	.1441	.3500	.2671	2.843
#1	3.846	.1000	.0897	.9779	.4017	.4649	1.011	.9857	.0108
#2	3.838	.1002	.0892	.9814	.4020	.4640	1.016	.9894	.0113

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9291**	**.9830**	**3.890**	**4.052**	**.9927**	**3.958**	**.9315**	**51.38**	**12.52**
Stddev	.0014	.0052	.008	.011	.0030	.006	.0011	.03	.11
%RSD	.1510	.5254	.2063	.2763	.3001	.1548	.1188	.0605	.8601
#1	.9301	.9794	3.895	4.044	.9906	3.962	.9323	51.40	12.60
#2	.9281	.9867	3.884	4.060	.9948	3.954	.9307	51.36	12.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.92**	**12.52**	**11.93**	**12.57**	**.9465**	**1.017**	**.9346**	**.9749**	**1.021**
Stddev	.28	.08	.02	.03	.0001	.001	.0014	.0001	.002
%RSD	.5427	.6522	.1792	.2778	.0119	.0900	.1515	.0126	.1854
#1	52.12	12.57	11.92	12.59	.9465	1.017	.9356	.9748	1.020
#2	51.72	12.46	11.95	12.54	.9466	1.018	.9336	.9750	1.023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9798**	**.9777**	**.0444**	**.0043**	**.0094**	**.0018**	**.0003**
Stddev	.0035	.0001	.0002	.0000	.0019	.0007	.0001
%RSD	.3584	.0065	.4389	.1937	20.64	38.54	54.10
#1	.9823	.9777	.0445	.0043	.0080	.0013	.0004
#2	.9773	.9777	.0442	.0043	.0108	.0023	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78903.**	**14739.**	**2538.0**	**3639.9**
Stddev	329.	87.	6.9	.9
%RSD	.41716	.59020	.27155	.02584
#1	79136.	14678.	2533.1	3639.2
#2	78671.	14801.	2542.9	3640.6

Zoom In Zoom Out

Sample Name: jb68546-3 Acquired: 6/9/2014 16:28:00 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0837**	**.0000**	**.0003**	**.0001**	**.0002**	**.0010**	**.1666**	**.0044**	**.0007**
Stddev	.0001	.0001	.0001	.0000	.0000	.0009	.0001	.0001	.0001
%RSD	.0679	261.3	51.71	47.39	19.67	98.02	.0438	3.214	18.70
#1	.0837	.0001	.0002	.0000	.0002	.0016	.1666	.0043	.0008
#2	.0836	-.0000	.0004	.0001	.0001	.0003	.1665	.0045	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0028**	**.0245**	**.0031**	**.0006**	**.0010**	**.0044**	**.0004**	**.7225**	**42.66**
Stddev	.0001	.0002	.0009	.0010	.0006	.0004	.0009	.0028	.05
%RSD	3.995	.7598	29.25	186.2	61.53	8.325	240.2	.3884	.1132
#1	.0029	.0244	.0024	.0013	.0014	.0047	.0010	.7245	42.63
#2	.0027	.0247	.0037	-.0002	.0006	.0042	-.0003	.7205	42.70

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.83**	**12.71**	**9.791**	**11.47**	**.0608**	**-.0001**	**.0134**	**10.76**	**-.0027**
Stddev	.02	.03	.020	.00	.0002	.0000	.0003	.01	.0003
%RSD	.1696	.2064	.2066	.0343	.3207	4.343	2.055	.1036	10.98
#1	10.82	12.69	9.805	11.47	.0609	-.0001	.0135	10.75	-.0030
#2	10.84	12.73	9.776	11.47	.0606	-.0001	.0132	10.77	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1154**	**-.0002**	**-.0024**	**-.0102**	**27.29**	**-.0046**	**.0100**
Stddev	.0004	.0000	.0012	.0001	.07	.0004	.0001
%RSD	.3790	17.06	49.64	.5495	.2660	8.530	.8341
#1	.1150	-.0002	-.0032	-.0102	27.24	-.0048	.0099
#2	.1157	-.0002	-.0016	-.0103	27.34	-.0043	.0100

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78913.**	**14843.**	**2545.4**	**3722.1**
Stddev	328.	17.	4.6	10.8
%RSD	.41513	.11277	.18165	.29110
#1	79145.	14831.	2548.6	3729.8
#2	78681.	14855.	2542.1	3714.5

Zoom In Zoom Out

Sample Name: jb68546-4 Acquired: 6/9/2014 16:33:57 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0923**	**.0002**	**.0005**	**-.0005**	**.0006**	**.0019**	**.1553**	**.0031**	**.0001**
Stddev	.0008	.0000	.0000	.0001	.0002	.0003	.0007	.0003	.0010
%RSD	.8745	12.37	9.886	13.89	29.67	14.68	.4548	9.177	686.9
#1	.0929	.0002	.0005	-.0006	.0007	.0017	.1558	.0033	-.0006
#2	.0918	.0003	.0005	-.0005	.0005	.0021	.1548	.0029	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0036**	**.0127**	**.0042**	**.0003**	**.0021**	**.0044**	**.0015**	**.3089**	**41.12**
Stddev	.0001	.0001	.0015	.0010	.0006	.0018	.0004	.0009	.08
%RSD	3.335	.7679	35.73	311.3	30.41	40.67	25.26	.2995	.2043
#1	.0035	.0128	.0031	.0010	.0017	.0057	.0012	.3096	41.18
#2	.0037	.0127	.0053	-.0004	.0026	.0032	.0018	.3083	41.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**27.43**	**12.12**	**9.252**	**10.63**	**.0564**	**-.0002**	**.0110**	**11.44**	**-.0032**
Stddev	.08	.02	.101	.11	.0003	.0000	.0003	.02	.0004
%RSD	.3040	.1515	1.092	1.054	.5015	10.02	2.723	.1348	13.54
#1	27.48	12.10	9.323	10.71	.0566	-.0002	.0108	11.45	-.0035
#2	27.37	12.13	9.180	10.55	.0562	-.0002	.0112	11.43	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1111**	**.0000**	**-.0024**	**-.0107**	**26.77**	**-.0024**	**.0099**
Stddev	.0009	.0001	.0003	.0001	.02	.0005	.0008
%RSD	.7788	701.6	13.55	.8558	.0624	20.37	7.960
#1	.1117	.0001	-.0027	-.0106	26.78	-.0028	.0105
#2	.1105	-.0001	-.0022	-.0108	26.76	-.0021	.0093

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79174.**	**14946.**	**2534.7**	**3690.1**
Stddev	48.	86.	6.6	9.1
%RSD	.06000	.57259	.26042	.24571
#1	79140.	14885.	2530.0	3683.7
#2	79208.	15006.	2539.4	3696.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 16:39:56 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.064**	**2.064**	**2.091**	**2.064**	**1.984**	**2.113**	**2.101**	**.2479**
Stddev	.004	.005	.023	.021	.003	.010	.001	.023	.0001
%RSD	.2157	.2637	1.114	.9835	.1466	.5234	.0369	1.099	.0462
#1	2.031	2.060	2.048	2.077	2.062	1.991	2.113	2.085	.2480
#2	2.038	2.068	2.081	2.106	2.066	1.976	2.112	2.118	.2478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**2.081**	**2.057**	**2.170**	**2.128**	**2.089**	**2.071**	**39.95**	**40.38**
Stddev	.002	.027	.021	.016	.021	.022	.019	.06	.04
%RSD	.1187	1.302	1.003	.7537	.9799	1.048	.9266	.1592	.0955
#1	2.005	2.062	2.042	2.158	2.113	2.074	2.058	39.90	40.35
#2	2.001	2.100	2.072	2.181	2.143	2.105	2.085	39.99	40.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.89**	**40.34**	**40.00**	**40.43**	**2.102**	**2.079**	**2.012**	**5.161**	**2.119**
Stddev	.07	.12	.12	.00	.018	.023	.011	.051	.022
%RSD	.1770	.3043	.2965	.0045	.8796	1.087	.5350	.9870	1.035
#1	40.84	40.25	39.91	40.43	2.089	2.063	2.020	5.125	2.103
#2	40.94	40.43	40.08	40.43	2.115	2.095	2.005	5.197	2.134
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: 6/9/2014 16:39:56 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.056**	**1.930**	**2.027**	**2.008**	**2.050**	**1.995**
Stddev	.003	.003	.064	.005	.022	.021	.002
%RSD	.1294	.1452	3.304	.2293	1.111	1.036	.1117
#1	2.046	2.058	1.885	2.031	1.992	2.035	1.993
#2	2.050	2.054	1.975	2.024	2.024	2.065	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**76979.**	**14612.**	**2453.6**	**3463.2**
Stddev	72.	49.	19.4	27.2
%RSD	.09359	.33418	.78864	.78569
#1	76928.	14646.	2467.3	3482.4
#2	77030.	14577.	2439.9	3443.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 16:45:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**-.0000**	**.0001**	**-.0001**	**.0001**	**.0001**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0003	.0002	.0000	.0001	.0005
%RSD	100.4	1.038	23.08	229.1	638.4	134.9	24.05	80.46	718.7
#1	.0000	.0001	.0002	-.0001	.0003	-.0002	.0000	.0001	.0004
#2	.0002	.0001	.0001	.0000	-.0002	-.0000	.0001	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**.0007**	**.0004**	**.0006**	**-.0015**	**.0009**	**.0054**	**.0016**
Stddev	.0001	.0001	.0002	.0000	.0009	.0022	.0004	.0113	.0011
%RSD	73.91	69.85	25.39	9.861	153.9	150.5	44.42	209.4	69.47
#1	-.0003	.0001	.0008	.0004	.0013	-.0031	.0006	.0134	.0024
#2	-.0001	.0002	.0006	.0004	-.0001	.0001	.0011	-.0026	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.0090**	**.0019**	**.0159**	**.0009**	**.0010**	**.0004**	**.0088**	**-.0002**
Stddev	.0026	.0097	.0163	.0034	.0003	.0002	.0012	.0009	.0001
%RSD	54.13	107.6	836.0	21.30	34.21	24.57	317.9	10.84	50.71
#1	.0067	.0158	-.0095	.0135	.0012	.0011	-.0005	.0081	-.0003
#2	.0030	.0022	.0134	.0183	.0007	.0008	.0012	.0094	-.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: 6/9/2014 16:45:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0143**	**.0008**	**-.0022**	**-.0002**	**.0006**
Stddev	.0000	.0001	.0019	.0002	.0019	.0004	.0002
%RSD	.0727	16.67	13.47	24.22	86.46	188.6	32.95
#1	.0001	.0004	.0157	.0007	-.0008	-.0005	.0005
#2	.0001	.0005	.0130	.0009	-.0035	.0001	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80659.**	**14859.**	**2657.8**	**3953.4**
Stddev	65.	11.	21.2	31.8
%RSD	.08081	.07269	.79882	.80384
#1	80705.	14851.	2672.8	3975.9
#2	80613.	14867.	2642.7	3930.9

Zoom In Zoom Out

Sample Name: mp79888-mb1 1 Acquired: 6/9/2014 16:51:50 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0002**	**.0000**	**-.0001**	**.0007**	**-.0000**	**.0007**	**.0001**
Stddev	.0000	.0000	.0000	.0001	.0003	.0004	.0001	.0001	.0004
%RSD	87.27	164.2	29.31	169.5	379.1	51.18	4988.	13.50	356.6
#1	.0000	-.0000	-.0001	-.0000	.0001	.0005	-.0000	.0006	.0004
#2	.0001	.0000	-.0002	.0001	-.0003	.0010	.0000	.0007	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0004**	**.0019**	**.0044**	**.0002**	**-.0002**	**-.0007**	**.0032**	**.0036**
Stddev	.0003	.0002	.0011	.0010	.0014	.0015	.0002	.0018	.0013
%RSD	61.61	49.73	59.30	23.64	626.8	702.3	34.47	57.48	35.40
#1	-.0003	.0003	.0026	.0051	-.0008	-.0012	-.0005	.0019	.0027
#2	-.0007	.0006	.0011	.0036	.0013	.0008	-.0009	.0045	.0046

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0019**	**-.0220**	**-.0416**	**.0039**	**-.0003**	**-.0005**	**-.0004**	**.0036**	**-.0006**
Stddev	.0015	.0164	.0039	.0068	.0003	.0003	.0001	.0008	.0005
%RSD	79.68	74.48	9.396	172.4	120.9	69.15	17.80	21.95	71.95
#1	.0008	-.0104	-.0388	-.0009	-.0000	-.0003	-.0004	.0042	-.0003
#2	.0030	-.0336	-.0443	.0087	-.0005	-.0007	-.0005	.0030	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0007**	**-.0123**	**-.0006**	**.0010**	**.0019**	**-.0003**
Stddev	.0000	.0005	.0006	.0000	.0011	.0009	.0002
%RSD	9.255	77.49	5.119	4.660	113.5	46.16	77.37
#1	.0000	.0011	-.0127	-.0006	.0002	.0025	-.0001
#2	.0000	.0003	-.0119	-.0005	.0017	.0013	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82014.**	**15266.**	**2716.9**	**4130.1**
Stddev	140.	96.	52.5	52.8
%RSD	.17082	.63085	1.9334	1.2791
#1	81915.	15198.	2679.8	4092.8
#2	82114.	15334.	2754.1	4167.5

Zoom In Zoom Out

Sample Name: mp79888-mb2 1 Acquired: 6/9/2014 16:57:53 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**-.0003**	**.0014**	**-.0000**	**.0004**	**.0003**
Stddev	.0001	.0000	.0001	.0000	.0003	.0004	.0000	.0001	.0002
%RSD	59.06	1.008	39.86	20.26	121.5	24.85	227.5	13.02	88.22
#1	.0003	.0000	-.0001	.0003	-.0005	.0012	-.0000	.0004	.0004
#2	.0001	.0000	-.0002	.0002	-.0000	.0017	.0000	.0004	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0010**	**.0012**	**.0045**	**.0006**	**-.0014**	**-.0016**	**.0009**	**.0061**
Stddev	.0001	.0000	.0011	.0013	.0016	.0007	.0009	.0015	.0045
%RSD	21.71	4.880	89.91	29.93	282.5	45.94	55.60	163.0	74.18
#1	-.0004	.0010	.0004	.0054	.0017	-.0019	-.0022	-.0001	.0029
#2	-.0003	.0010	.0020	.0035	-.0006	-.0010	-.0009	.0020	.0093

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**.0005**	**-.0018**	**-.0000**	**-.0009**	**-.0008**	**-.0005**	**.0025**	**-.0013**
Stddev	.0007	.0028	.0202	.0003	.0000	.0001	.0013	.0000	.0004
%RSD	831.6	600.6	1111.	725.8	2.116	15.29	247.7	.4010	29.85
#1	-.0004	-.0015	-.0161	.0002	-.0009	-.0009	-.0014	.0025	-.0016
#2	.0006	.0025	.0125	-.0002	-.0009	-.0007	.0004	.0025	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0006**	**-.0130**	**-.0006**	**.0009**	**.0016**	**-.0003**
Stddev	.0000	.0001	.0005	.0001	.0020	.0008	.0000
%RSD	285.5	16.25	3.655	20.47	215.3	52.23	4.952
#1	.0000	.0007	-.0126	-.0006	.0024	.0021	-.0003
#2	-.0000	.0006	-.0133	-.0007	-.0005	.0010	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80137.**	**15064.**	**2638.7**	**4022.4**
Stddev	352.	6.	14.8	28.9
%RSD	.43984	.04060	.56169	.71885
#1	80386.	15068.	2649.2	4042.9
#2	79888.	15059.	2628.3	4002.0

Zoom In Zoom Out

Sample Name: mp79888-lc1 1 Acquired: 6/9/2014 17:03:57 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5367**	**.5089**	**.5242**	**.5017**	**.5205**	**.4812**	**.5311**	**.5100**	**.2120**
Stddev	.0018	.0009	.0005	.0026	.0045	.0011	.0021	.0027	.0009
%RSD	.3341	.1816	.1024	.5260	.8668	.2249	.3930	.5372	.4215
#1	.5380	.5096	.5238	.4999	.5173	.4804	.5296	.5080	.2113
#2	.5354	.5083	.5246	.5036	.5237	.4819	.5326	.5119	.2126

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4870**	**.5148**	**.5271**	**.5590**	**.5296**	**.5718**	**.5204**	**5.342**	**6.116**
Stddev	.0032	.0040	.0040	.0005	.0051	.0035	.0011	.016	.007
%RSD	.6594	.7691	.7599	.0950	.9710	.6172	.2086	.3073	.1080
#1	.4847	.5120	.5243	.5594	.5260	.5693	.5197	5.354	6.121
#2	.4892	.5176	.5300	.5587	.5333	.5743	.5212	5.331	6.111

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.163**	**5.889**	**10.60**	**10.92**	**.0053**	**.5072**	**-.0018**	**.0371**	**.0002**
Stddev	.008	.008	.01	.02	.0000	.0023	.0009	.0003	.0001
%RSD	.1368	.1307	.1338	.2098	.8256	.4438	49.70	.7424	42.83
#1	6.169	5.884	10.61	10.93	.0052	.5056	-.0012	.0373	.0003
#2	6.157	5.895	10.59	10.90	.0053	.5088	-.0024	.0369	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5189**	**.0008**	**.0003**	**.0048**	**.0009**	**.0010**
Stddev	.0000	.0010	.0012	.0001	.0012	.0015	.0005
%RSD	10.38	.1993	145.4	16.31	24.39	165.1	46.46
#1	-.0002	.5181	.0017	.0004	.0056	.0020	.0007
#2	-.0002	.5196	-.0000	.0003	.0040	-.0002	.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79787.**	**14964.**	**2597.3**	**3848.3**
Stddev	272.	15.	8.0	16.2
%RSD	.34119	.10279	.30832	.42091
#1	79979.	14953.	2603.0	3859.7
#2	79594.	14975.	2591.7	3836.8

Zoom In Zoom Out

Sample Name: mp79888-lc2 Acquired: 6/9/2014 17:09:50 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5274**	**.5004**	**.5120**	**.4936**	**.5090**	**.4685**	**.5200**	**.5028**	**.2064**
Stddev	.0002	.0003	.0001	.0038	.0047	.0065	.0038	.0032	.0013
%RSD	.0324	.0514	.0171	.7617	.9225	1.379	.7264	.6341	.6115
#1	.5275	.5002	.5120	.4909	.5057	.4640	.5173	.5006	.2055
#2	.5273	.5006	.5119	.4962	.5123	.4731	.5227	.5051	.2073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4772**	**.5066**	**.5160**	**.5502**	**.5194**	**.5578**	**.5073**	**5.241**	**5.907**
Stddev	.0041	.0030	.0003	.0025	.0030	.0005	.0018	.016	.030
%RSD	.8516	.5975	.0598	.4543	.5809	.0916	.3609	.3011	.5154
#1	.4743	.5045	.5162	.5484	.5172	.5581	.5086	5.252	5.886
#2	.4801	.5088	.5158	.5520	.5215	.5574	.5060	5.230	5.929

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**6.044**	**5.772**	**10.40**	**10.74**	**.0047**	**.4983**	**-.0013**	**.0239**	**.0005**
Stddev	.001	.012	.03	.01	.0000	.0015	.0002	.0001	.0004
%RSD	.0174	.2098	.3304	.1337	.3904	.3001	18.50	.4859	66.97
#1	6.043	5.781	10.37	10.73	.0047	.4972	-.0011	.0240	.0003
#2	6.045	5.764	10.42	10.75	.0048	.4993	-.0015	.0239	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5081**	**.0008**	**-.0001**	**.0025**	**.0012**	**.0011**
Stddev	.0001	.0040	.0004	.0002	.0002	.0016	.0001
%RSD	38.43	.7847	51.68	171.7	9.534	131.6	10.73
#1	-.0002	.5053	.0010	.0000	.0023	.0001	.0012
#2	-.0001	.5109	.0005	-.0003	.0026	.0024	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81256.**	**15134.**	**2638.3**	**3893.4**
Stddev	449.	26.	8.2	26.2
%RSD	.55245	.16855	.30984	.67221
#1	81574.	15152.	2644.0	3911.9
#2	80939.	15116.	2632.5	3874.9

Zoom In Zoom Out

Sample Name: mp79888-s1 Acquired: 6/9/2014 17:15:41 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.260**	**.0570**	**.0538**	**.5523**	**.2241**	**.2732**	**.8258**	**.5542**	**.0597**
Stddev	.096	.0023	.0006	.0040	.0008	.0010	.0003	.0039	.0002
%RSD	4.255	4.079	1.108	.7317	.3625	.3624	.0382	.7023	.3366
#1	2.192	.0553	.0533	.5495	.2247	.2739	.8260	.5514	.0596
#2	2.328	.0586	.0542	.5552	.2235	.2725	.8255	.5569	.0599

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5308**	**.5551**	**2.421**	**2.307**	**.5589**	**2.621**	**.5749**	**2.287**	**139.6**
Stddev	.0015	.0037	.020	.023	.0050	.024	.0064	.094	6.4
%RSD	.2808	.6578	.8041	1.012	.8929	.9157	1.109	4.111	4.558
#1	.5318	.5525	2.407	2.290	.5554	2.604	.5704	2.220	135.1
#2	.5297	.5576	2.435	2.323	.5624	2.638	.5794	2.353	144.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.505**	**52.45**	**32.73**	**91.38**	**.1897**	**.0022**	**.0098**	**5.709**	**-.0033**
Stddev	.072	2.54	1.39	3.94	.0019	.0000	.0015	.052	.0000
%RSD	4.806	4.853	4.247	4.307	1.012	.1473	15.00	.9064	.1312
#1	1.454	50.65	31.75	88.60	.1883	.0022	.0108	5.673	-.0033
#2	1.556	54.25	33.72	94.17	.1911	.0022	.0088	5.746	-.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2810**	**.0024**	**.0019**	**-.0068**	**45.81**	**.0033**	**.0084**
Stddev	.0124	.0001	.0010	.0001	.36	.0002	.0002
%RSD	4.424	6.223	50.69	1.936	.7775	7.159	2.270
#1	.2722	.0025	.0026	-.0067	45.56	.0031	.0083
#2	.2898	.0023	.0012	-.0069	46.07	.0034	.0085

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75685.**	**14437.**	**2402.4**	**3450.8**
Stddev	19.	527.	13.8	17.9
%RSD	.02551	3.6495	.57519	.51914
#1	75698.	14810.	2412.1	3463.5
#2	75671.	14065.	2392.6	3438.2

Zoom In Zoom Out

Sample Name: mp79888-s2 Acquired: 6/9/2014 17:21:32 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.211**	**.0557**	**.0526**	**.5444**	**.2231**	**.2721**	**.8184**	**.5471**	**.0597**
Stddev	.019	.0004	.0005	.0042	.0039	.0034	.0132	.0050	.0014
%RSD	.8413	.6499	.8791	.7633	1.730	1.244	1.614	.9184	2.317
#1	2.198	.0554	.0522	.5414	.2258	.2745	.8277	.5435	.0606
#2	2.224	.0559	.0529	.5473	.2203	.2697	.8091	.5507	.0587

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5299**	**.5484**	**2.386**	**2.280**	**.5508**	**2.578**	**.5667**	**2.225**	**133.5**
Stddev	.0085	.0049	.024	.016	.0035	.026	.0041	.029	1.3
%RSD	1.598	.9023	.9934	.7127	.6327	1.014	.7272	1.313	.9814
#1	.5359	.5449	2.369	2.268	.5483	2.559	.5638	2.204	132.5
#2	.5239	.5519	2.403	2.291	.5533	2.596	.5696	2.245	134.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.474**	**50.65**	**31.83**	**87.75**	**.1828**	**.0016**	**.0083**	**5.504**	**-.0026**
Stddev	.021	.41	.33	.81	.0017	.0000	.0008	.051	.0007
%RSD	1.427	.8170	1.025	.9267	.9422	.3682	9.162	.9320	25.97
#1	1.459	50.36	31.60	87.17	.1816	.0016	.0077	5.468	-.0021
#2	1.489	50.95	32.07	88.32	.1840	.0016	.0088	5.541	-.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2685**	**.0025**	**.0021**	**-.0066**	**44.07**	**.0036**	**.0063**
Stddev	.0027	.0005	.0009	.0000	.41	.0006	.0004
%RSD	1.020	18.88	45.12	.2444	.9326	17.81	6.966
#1	.2666	.0022	.0014	-.0066	43.78	.0031	.0066
#2	.2705	.0028	.0027	-.0066	44.36	.0040	.0060

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75026.**	**14547.**	**2409.7**	**3459.1**
Stddev	1009.	178.	18.9	24.8
%RSD	1.3447	1.2227	.78496	.71731
#1	74312.	14672.	2423.0	3476.6
#2	75739.	14421.	2396.3	3441.5

Zoom In Zoom Out

Sample Name: jb68374-7a Acquired: 6/9/2014 17:27:24 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0531**	**.0001**	**.0000**	**.0001**	**.0005**	**.0026**	**.2486**	**.0011**	**.0022**
Stddev	.0001	.0001	.0001	.0003	.0000	.0001	.0002	.0002	.0005
%RSD	.2354	160.1	547.0	328.9	8.306	5.453	.0759	15.08	22.45
#1	.0530	-.0000	.0001	.0003	.0004	.0027	.2485	.0012	.0025
#2	.0532	.0002	-.0001	-.0001	.0005	.0025	.2487	.0010	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**.0059**	**.0041**	**.0023**	**.0013**	**-.0013**	**.0373**	**106.9**
Stddev	.0003	.0002	.0005	.0022	.0003	.0011	.0000	.0031	.6
%RSD	461.8	17.58	8.613	54.46	11.28	79.98	3.638	8.428	.5159
#1	.0002	.0009	.0062	.0056	.0021	.0006	-.0012	.0395	106.6
#2	-.0001	.0011	.0055	.0025	.0025	.0021	-.0013	.0351	107.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3044**	**23.21**	**4.443**	**59.97**	**.1862**	**.0007**	**.0099**	**5.574**	**-.0031**
Stddev	.0041	.07	.014	.30	.0030	.0001	.0007	.108	.0009
%RSD	1.360	.3129	.3083	.4991	1.614	19.05	7.202	1.933	29.69
#1	.3015	23.16	4.452	59.76	.1841	.0008	.0104	5.497	-.0025
#2	.3073	23.26	4.433	60.19	.1883	.0006	.0094	5.650	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2663**	**.0008**	**-.0217**	**-.0073**	**44.34**	**.0031**	**.0063**
Stddev	.0011	.0003	.0001	.0002	.89	.0002	.0015
%RSD	.4203	37.59	.3069	2.371	2.014	7.758	23.49
#1	.2655	.0010	-.0218	-.0072	43.71	.0032	.0053
#2	.2671	.0006	-.0217	-.0075	44.97	.0029	.0074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76596.**	**14629.**	**2412.2**	**3541.7**
Stddev	56.	61.	40.8	60.6
%RSD	.07374	.41359	1.6929	1.7108
#1	76556.	14672.	2441.1	3584.6
#2	76636.	14586.	2383.3	3498.9

Zoom In Zoom Out

Sample Name: mp79888-sd1 Acquired: 6/9/2014 17:33:24 Type: Unk
Method: Accutest1(v365) 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	**.0484**	**.0001**	**.0005**	**-.0018**	**-.0004**	**.0059**	**.2419**	**.0025**	**-.0001**
Stddev	.0012	.0003	.0004	.0006	.0004	.0020	.0050	.0003	.0012
%RSD	2.454	321.8	76.46	31.81	108.1	34.45	2.085	10.16	1584.
#1	.0476	.0003	.0008	-.0022	-.0007	.0074	.2383	.0027	-.0009
#2	.0493	-.0001	.0002	-.0014	-.0001	.0045	.2454	.0023	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0011**	**.0181**	**.0048**	**.0040**	**.0017**	**.0060**	**.0039**	**.0697**	**97.69**
Stddev	.0017	.0001	.0016	.0042	.0046	.0012	.0023	.0074	1.93
%RSD	150.6	.7060	32.66	104.5	265.7	19.76	60.38	10.67	1.977
#1	-.0024	.0182	.0037	.0011	.0050	.0069	.0022	.0645	96.32
#2	.0001	.0180	.0059	.0070	-.0015	.0052	.0055	.0750	99.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2924**	**21.27**	**3.930**	**53.00**	**.1839**	**-.0001**	**-.0001**	**5.550**	**-.0104**
Stddev	.0033	.30	.105	.94	.0062	.0006	.0036	.227	.0002
%RSD	1.128	1.405	2.670	1.769	3.352	439.4	4585.	4.085	1.456
#1	.2901	21.06	3.856	52.34	.1795	-.0006	.0024	5.390	-.0103
#2	.2947	21.48	4.004	53.67	.1882	.0003	-.0026	5.711	-.0105

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2413**	**.0002**	**-.0502**	**-.0085**	**40.77**	**-.0130**	**.0076**
Stddev	.0052	.0004	.0010	.0001	1.63	.0008	.0034
%RSD	2.157	156.7	1.948	.7421	4.001	6.406	44.81
#1	.2377	.0005	-.0509	-.0086	39.62	-.0136	.0052
#2	.2450	-.0000	-.0495	-.0085	41.92	-.0124	.0100

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78243.**	**14580.**	**2564.7**	**3800.3**
Stddev	178.	8.	13.3	19.3
%RSD	.22783	.05620	.51783	.50672
#1	78117.	14575.	2574.1	3813.9
#2	78369.	14586.	2555.3	3786.7

Zoom In Zoom Out

Sample Name: jb68341-1 Acquired: 6/9/2014 17:39:24 Type: Unk
Method: Accutest1(v365) 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	**1.553**	**.0094**	**.0049**	**.1258**	**.2211**	**.3514**	**4.470**	**.2265**	**-.0103**
Stddev	.035	.0004	.0004	.0110	.0059	.0103	.110	.0169	.0004
%RSD	2.238	4.479	8.556	8.733	2.653	2.934	2.461	7.454	3.914
#1	1.528	.0091	.0046	.1180	.2169	.3441	4.392	.2146	-.0100
#2	1.577	.0097	.0051	.1336	.2252	.3587	4.548	.2385	-.0106

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2803**	**5.702**	**.0413**	**.0004**	**.4398**	**.0170**	**.0084**	**81.30**	**72.13**
Stddev	.0073	.459	.0054	.0011	.0267	.0055	.0008	1.91	1.73
%RSD	2.601	8.041	13.15	306.1	6.069	32.24	9.924	2.354	2.397
#1	.2752	5.378	.0374	.0012	.4209	.0209	.0090	79.95	70.91
#2	.2855	6.026	.0451	-.0004	.4587	.0132	.0079	82.66	73.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**231.4**	**43.29**	**23.41**	**47.58**	**.0590**	**.0077**	**.0677**	**100.3**	**.0024**
Stddev	5.4	1.04	.53	.90	.0035	.0004	.0082	7.7	.0026
%RSD	2.349	2.400	2.277	1.898	5.891	5.734	12.15	7.648	105.3
#1	227.5	42.56	23.03	46.94	.0565	.0080	.0619	94.85	.0043
#2	235.2	44.03	23.79	48.22	.0614	.0074	.0736	105.7	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3533**	**3.758**	**.0663**	**-.0826**	**7.170**	**.0083**	**.1248**
Stddev	.0081	.099	.0065	.0068	.577	.0014	.0030
%RSD	2.290	2.634	9.737	8.261	8.049	17.46	2.402
#1	.3476	3.688	.0618	-.0778	6.762	.0093	.1227
#2	.3590	3.828	.0709	-.0875	7.578	.0072	.1269

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78974.**	**15034.**	**2546.7**	**3645.3**
Stddev	263.	117.	.6	13.8
%RSD	.33315	.77929	.02253	.37900
#1	79160.	15117.	2547.1	3655.1
#2	78788.	14951.	2546.3	3635.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 17:45:20 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.055**	**2.088**	**2.064**	**2.093**	**2.087**	**1.999**	**2.143**	**2.105**	**.2500**
Stddev	.004	.005	.005	.011	.000	.014	.001	.016	.0009
%RSD	.1735	.2583	.2448	.5175	.0072	.6994	.0345	.7489	.3701
#1	2.052	2.092	2.060	2.085	2.087	2.009	2.143	2.094	.2507
#2	2.057	2.085	2.068	2.101	2.087	1.989	2.144	2.116	.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	**2.020**	**2.083**	**2.061**	**2.167**	**2.133**	**2.096**	**2.073**	**40.56**	**40.82**
Stddev	.002	.014	.012	.006	.009	.000	.005	.00	.19
%RSD	.1144	.6513	.5925	.2717	.4139	.0032	.2340	.0106	.4702
#1	2.019	2.074	2.052	2.163	2.127	2.096	2.070	40.56	40.96
#2	2.022	2.093	2.070	2.171	2.139	2.096	2.077	40.56	40.69
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	**41.42**	**40.95**	**40.37**	**40.79**	**2.108**	**2.082**	**2.029**	**5.168**	**2.123**
Stddev	.07	.20	.00	.06	.006	.009	.016	.013	.009
%RSD	.1727	.4875	.0027	.1480	.2717	.4542	.8057	.2566	.4401
#1	41.47	41.10	40.37	40.75	2.104	2.076	2.040	5.159	2.117
#2	41.37	40.81	40.36	40.83	2.112	2.089	2.017	5.178	2.130
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: 6/9/2014 17:45:20 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.066**	**2.076**	**1.946**	**2.047**	**2.016**	**2.055**	**2.010**
Stddev	.003	.001	.045	.000	.008	.003	.006
%RSD	.1378	.0293	2.340	.0014	.4032	.1413	.3112
#1	2.064	2.076	1.913	2.047	2.010	2.053	2.006
#2	2.068	2.075	1.978	2.047	2.021	2.057	2.015
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	**76009.**	**14293.**	**2446.7**	**3452.6**
Stddev	44.	12.	11.7	21.7
%RSD	.05789	.08259	.47829	.62845
#1	75978.	14285.	2455.0	3468.0
#2	76040.	14302.	2438.4	3437.3

Sample Name: ccb Acquired: 6/9/2014 17:51:11 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0001**	**-.0001**	**.0007**	**-.0000**	**.0001**	**.0001**
Stddev	.0002	.0000	.0000	.0000	.0002	.0001	.0000	.0000	.0001
%RSD	48.95	41.36	6.455	49.49	149.6	11.46	6362.	65.03	63.73
#1	.0002	.0001	.0000	.0000	-.0003	.0008	-.0000	.0000	.0001
#2	.0004	.0000	.0000	.0001	.0000	.0006	.0000	.0001	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0012**	**-.0006**	**.0000**	**-.0010**	**.0004**	**-.0008**	**-.0019**
Stddev	.0003	.0001	.0004	.0016	.0003	.0024	.0004	.0015	.0035
%RSD	153.9	25.69	37.73	285.7	995.1	246.8	103.3	199.4	182.2
#1	-.0005	.0002	.0008	-.0017	.0003	.0007	.0001	.0003	-.0044
#2	.0000	.0002	.0015	.0006	-.0002	-.0026	.0007	-.0018	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0018**	**-.0058**	**.0125**	**.0003**	**.0009**	**-.0007**	**.0055**	**-.0005**
Stddev	.0007	.0114	.0085	.0059	.0003	.0000	.0010	.0015	.0007
%RSD	16.83	630.1	147.9	47.19	95.78	3.337	150.1	26.85	150.2
#1	.0046	-.0063	-.0118	.0167	.0005	.0009	.0000	.0066	.0000
#2	.0036	.0099	.0003	.0083	.0001	.0009	-.0014	.0045	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: ccb Acquired: 6/9/2014 17:51:11 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0206**	**.0008**	**-.0035**	**-.0014**	**.0010**
Stddev	.0000	.0001	.0029	.0002	.0014	.0010	.0000
%RSD	7.250	28.82	14.18	23.12	39.71	74.24	.3910
#1	.0001	.0005	.0227	.0010	-.0025	-.0006	.0010
#2	.0001	.0003	.0186	.0007	-.0045	-.0021	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79693.**	**14666.**	**2623.2**	**3893.1**
Stddev	611.	19.	5.4	5.4
%RSD	.76624	.12653	.20703	.13991
#1	79262.	14679.	2619.4	3889.3
#2	80125.	14652.	2627.1	3897.0

Sample Name: jb68341-1 Acquired: 6/9/2014 17:57:16 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.751**	**.0098**	**.0050**	**.1132**	**.2230**	**.3896**	**4.450**	**.2052**	**-.0120**
Stddev	.001	.0001	.0002	.0014	.0007	.0020	.014	.0021	.0002
%RSD	.0519	.8005	3.247	1.279	.3245	.5192	.3224	1.029	1.432
#1	1.750	.0098	.0049	.1122	.2225	.3910	4.440	.2037	-.0121
#2	1.752	.0097	.0051	.1142	.2236	.3882	4.460	.2067	-.0119

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2886**	**4.966**	**.0420**	**-.0000**	**.4005**	**.0216**	**.0020**	**93.50**	**79.71**
Stddev	.0004	.060	.0006	.0011	.0059	.0003	.0002	.03	.33
%RSD	.1452	1.217	1.331	2579.	1.465	1.195	11.05	.0369	.4089
#1	.2883	4.924	.0424	.0007	.3964	.0218	.0022	93.52	79.94
#2	.2889	5.009	.0416	-.0008	.4047	.0214	.0019	93.47	79.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**244.9**	**48.22**	**27.47**	**55.57**	**.0519**	**.0037**	**.0569**	**91.69**	**.0060**
Stddev	.7	.18	.03	.12	.0007	.0000	.0018	1.13	.0001
%RSD	.2679	.3702	.1037	.2083	1.307	.1042	3.164	1.234	2.010
#1	245.3	48.34	27.45	55.49	.0515	.0037	.0556	90.89	.0061
#2	244.4	48.09	27.49	55.66	.0524	.0037	.0582	92.49	.0059

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3975**	**3.867**	**.0761**	**-.0750**	**6.907**	**.0171**	**.1476**
Stddev	.0005	.003	.0002	.0007	.096	.0015	.0007
%RSD	.1203	.0807	.3032	.9111	1.384	8.712	.4558
#1	.3971	3.865	.0759	-.0745	6.839	.0161	.1471
#2	.3978	3.869	.0763	-.0755	6.974	.0182	.1481

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81007.**	**15920.**	**2484.3**	**3468.7**
Stddev	228.	70.	26.9	34.5
%RSD	.28166	.43814	1.0812	.99363
#1	81168.	15871.	2503.3	3493.1
#2	80846.	15969.	2465.3	3444.3

Sample Name: jb68341-1f Acquired: 6/9/2014 18:03:12 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2450**	**.0001**	**.0002**	**.0012**	**.0005**	**.0035**	**2.402**	**.0035**	**.0020**
Stddev	.0059	.0000	.0001	.0000	.0001	.0004	.015	.0002	.0000
%RSD	2.400	30.77	37.15	.6639	21.04	12.95	.6422	4.943	.4596
#1	.2491	.0001	.0002	.0012	.0005	.0038	2.413	.0033	.0020
#2	.2408	.0001	.0003	.0012	.0004	.0031	2.391	.0036	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0038**	**.0047**	**.0034**	**.0024**	**.0024**	**.0006**	**.0706**	**108.7**
Stddev	.0000	.0000	.0006	.0013	.0010	.0007	.0005	.0034	2.5
%RSD	.1019	.1670	12.70	38.05	41.14	28.40	73.38	4.876	2.301
#1	.0022	.0038	.0043	.0043	.0031	.0028	.0009	.0681	110.5
#2	.0022	.0038	.0051	.0025	.0017	.0019	.0003	.0730	106.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.101**	**31.02**	**9.973**	**121.5**	**.0885**	**.0054**	**.0065**	**9.207**	**-.0031**
Stddev	.073	.72	.249	3.1	.0004	.0001	.0001	.007	.0006
%RSD	2.371	2.326	2.498	2.566	.4188	1.099	1.789	.0819	19.01
#1	3.153	31.53	10.15	123.7	.0888	.0054	.0065	9.213	-.0036
#2	3.049	30.51	9.797	119.3	.0882	.0054	.0064	9.202	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5133**	**.0016**	**-.0139**	**-.0085**	**1.211**	**.0003**	**.0079**
Stddev	.0129	.0001	.0005	.0000	.004	.0017	.0002
%RSD	2.510	6.499	3.311	.0657	.2883	610.1	2.296
#1	.5225	.0016	-.0136	-.0085	1.209	-.0009	.0080
#2	.5042	.0017	-.0142	-.0085	1.214	.0015	.0078

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75465.**	**14836.**	**2364.3**	**3416.5**
Stddev	420.	227.	5.0	15.6
%RSD	.55646	1.5296	.21265	.45702
#1	75168.	14676.	2367.9	3427.6
#2	75761.	14997.	2360.8	3405.5

Zoom In Zoom Out

Sample Name: jb68352-1 Acquired: 6/9/2014 18:09:11 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4964**	**.0027**	**.0023**	**.0207**	**.0710**	**.2234**	**1.194**	**.0571**	**.0008**
Stddev	.0010	.0001	.0001	.0005	.0001	.0017	.004	.0001	.0001
%RSD	.2065	2.385	3.158	2.234	.0761	.7684	.3662	.1327	11.25
#1	.4957	.0026	.0022	.0203	.0710	.2246	1.191	.0570	.0007
#2	.4971	.0027	.0023	.0210	.0709	.2222	1.197	.0572	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0918**	**.4155**	**.0214**	**.0074**	**.3767**	**.0091**	**.0014**	**35.35**	**48.18**
Stddev	.0000	.0029	.0001	.0016	.0013	.0019	.0002	.03	.10
%RSD	.0534	.6967	.3786	21.91	.3548	20.98	12.99	.0820	.2172
#1	.0917	.4135	.0214	.0086	.3757	.0104	.0012	35.33	48.25
#2	.0918	.4176	.0213	.0063	.3776	.0077	.0015	35.37	48.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**50.96**	**21.67**	**5.563**	**53.76**	**.0333**	**.0012**	**.0304**	**38.45**	**.0115**
Stddev	.13	.00	.017	.03	.0007	.0002	.0009	.14	.0004
%RSD	.2573	.0219	.2981	.0499	2.005	15.70	2.861	.3760	3.737
#1	51.05	21.68	5.551	53.78	.0328	.0010	.0310	38.35	.0118
#2	50.86	21.67	5.575	53.74	.0337	.0013	.0298	38.55	.0112

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1414**	**.8470**	**.0180**	**-.0327**	**3.483**	**.0023**	**.0404**
Stddev	.0001	.0015	.0001	.0001	.014	.0010	.0001
%RSD	.0920	.1751	.7754	.4457	.4050	42.46	.3256
#1	.1414	.8459	.0181	-.0328	3.473	.0016	.0405
#2	.1413	.8480	.0180	-.0326	3.493	.0030	.0404

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	79219.	15092.	2536.7	3597.9
Stddev	168.	81.	12.9	19.1
%RSD	.21241	.53898	.50693	.53023
#1	79338.	15150.	2545.8	3611.4
#2	79100.	15035.	2527.6	3584.4

Zoom In Zoom Out

Sample Name: mp79846-mb2 2 Acquired: 6/9/2014 18:15:07 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0001**	**.0001**	**-.0000**	**.0013**	**.0017**	**.0002**	**.0077**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0002	.0004	.0001	.0001	.0000
%RSD	10.18	4.141	98.89	758.2	17.31	22.20	26.40	.8993	12.95
#1	.0004	.0001	.0001	.0000	.0014	.0014	.0002	.0077	.0003
#2	.0004	.0001	.0000	-.0001	.0011	.0019	.0003	.0078	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0007**	**.0035**	**.0002**	**.0001**	**.0002**	**-.0003**	**.0009**	**.0150**	**.0469**
Stddev	.0001	.0000	.0008	.0002	.0006	.0005	.0010	.0044	.0027
%RSD	16.30	1.055	525.0	133.5	239.8	157.8	109.4	29.35	5.820
#1	-.0006	.0034	-.0004	.0000	.0006	-.0006	.0002	.0119	.0488
#2	-.0007	.0035	.0008	.0003	-.0002	.0000	.0016	.0181	.0449

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0246**	**.0057**	**.0008**	**.0338**	**-.0004**	**.0014**	**-.0006**	**.0117**	**.0078**
Stddev	.0001	.0162	.0167	.0026	.0003	.0002	.0011	.0005	.0010
%RSD	.3538	286.2	2104.	7.589	69.38	15.62	171.3	3.981	13.14
#1	.0245	-.0058	-.0110	.0356	-.0002	.0015	.0001	.0114	.0071
#2	.0246	.0171	.0126	.0319	-.0006	.0012	-.0014	.0120	.0085

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0011**	**-.0075**	**-.0004**	**.0062**	**-.0018**	**.0006**
Stddev	.0000	.0002	.0004	.0003	.0015	.0012	.0001
%RSD	11.81	18.64	5.125	62.91	24.35	65.36	14.86
#1	.0002	.0009	-.0073	-.0002	.0052	-.0027	.0005
#2	.0002	.0012	-.0078	-.0006	.0073	-.0010	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	80548.	14820.	2618.5	3951.6
Stddev	307.	13.	9.2	20.3
%RSD	.38135	.08495	.35091	.51364
#1	80765.	14829.	2625.0	3966.0
#2	80331.	14811.	2612.0	3937.3

Zoom In Zoom Out

Sample Name: mp79846-b2 2 Acquired: 6/9/2014 18:21:09 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.106**	**.1060**	**.0930**	**1.036**	**.4250**	**.4932**	**1.077**	**1.057**	**.1014**
Stddev	.007	.0002	.0006	.003	.0002	.0007	.000	.004	.0004
%RSD	.1653	.2113	.6135	.3101	.0436	.1414	.0388	.3941	.3836
#1	4.101	.1058	.0926	1.034	.4252	.4927	1.077	1.054	.1017
#2	4.111	.1061	.0934	1.038	.4249	.4937	1.077	1.060	.1011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9802**	**1.042**	**4.060**	**4.212**	**1.029**	**4.150**	**.9659**	**53.26**	**12.76**
Stddev	.0026	.005	.010	.002	.003	.010	.0010	.21	.04
%RSD	.2626	.5184	.2363	.0571	.3113	.2458	.1087	.3966	.2985
#1	.9820	1.038	4.054	4.211	1.026	4.143	.9651	53.11	12.79
#2	.9783	1.045	4.067	4.214	1.031	4.157	.9666	53.41	12.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**53.45**	**12.79**	**12.33**	**13.00**	**-.0002**	**.0046**	**-.0083**	**.0266**	**.0142**
Stddev	.08	.05	.02	.04	.0009	.0004	.0000	.0009	.0002
%RSD	.1542	.4188	.1892	.2834	370.1	8.214	.1692	3.430	1.586
#1	53.51	12.75	12.31	13.03	-.0008	.0049	-.0083	.0272	.0140
#2	53.39	12.83	12.35	12.98	.0004	.0044	-.0083	.0259	.0143

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0033**	**.0544**	**.0023**	**.0121**	**.0023**	**.0001**
Stddev	.0001	.0003	.0013	.0003	.0029	.0009	.0016
%RSD	28.28	8.080	2.305	14.03	23.70	38.03	1138.
#1	.0002	.0035	.0553	.0025	.0142	.0017	-.0010
#2	.0003	.0031	.0536	.0021	.0101	.0030	.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	78441.	14552.	2507.5	3614.7
Stddev	288.	11.	8.8	14.2
%RSD	.36707	.07604	.34912	.39154
#1	78237.	14544.	2513.7	3624.7
#2	78645.	14560.	2501.3	3604.7

Zoom In Zoom Out

Sample Name: mp79846-s1 Acquired: 6/9/2014 18:27:02 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.215**	**.1079**	**.0986**	**1.069**	**.5428**	**1.108**	**3.967**	**1.137**	**.1020**
Stddev	.006	.0003	.0007	.004	.0027	.006	.030	.005	.0007
%RSD	.1252	.2589	.6921	.3942	.4992	.5051	.7653	.4560	.6478
#1	5.210	.1081	.0981	1.066	.5447	1.104	3.989	1.133	.1015
#2	5.219	.1077	.0990	1.072	.5409	1.112	3.946	1.141	.1024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.129**	**5.243**	**4.057**	**4.113**	**19.01**	**4.108**	**.6039**	**115.3**	**36.29**
Stddev	.003	.027	.026	.030	.10	.026	.0042	.0	.21
%RSD	.3029	.5084	.6335	.7406	.5331	.6272	.6994	.0113	.5786
#1	1.131	5.225	4.039	4.092	18.94	4.089	.6009	115.3	36.44
#2	1.127	5.262	4.076	4.135	19.08	4.126	.6069	115.3	36.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**157.2**	**29.07**	**19.59**	**15.00**	**.0520**	**.0073**	**-.0189**	**4.268**	**.1865**
Stddev	.7	.10	.01	.02	.0003	.0005	.0012	.026	.0007
%RSD	.4541	.3584	.0695	.1122	.6292	6.752	6.322	.6211	.3748
#1	157.7	29.14	19.58	15.01	.0522	.0070	-.0198	4.249	.1860
#2	156.7	29.00	19.60	14.99	.0517	.0077	-.0181	4.286	.1870

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1622**	**3.109**	**.0625**	**.0461**	**2.977**	**.0135**	**.1118**
Stddev	.0002	.015	.0014	.0003	.020	.0005	.0005
%RSD	.1355	.4779	2.252	.5696	.6538	3.615	.4134
#1	.1623	3.120	.0635	.0462	2.964	.0132	.1122
#2	.1620	3.099	.0615	.0459	2.991	.0139	.1115

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	78612.	15056.	2474.4	3472.5
Stddev	334.	51.	9.2	12.0
%RSD	.42453	.33968	.37033	.34535
#1	78376.	15020.	2480.9	3481.0
#2	78848.	15093.	2467.9	3464.0

Zoom In Zoom Out

Sample Name: mp79846-s2 Acquired: 6/9/2014 18:32:53 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.147**	**.1056**	**.0950**	**1.021**	**.5198**	**2.275**	**3.628**	**1.082**	**.0986**
Stddev	.084	.0015	.0004	.011	.0113	.044	.077	.011	.0008
%RSD	1.637	1.440	.3946	1.075	2.179	1.941	2.126	.9664	.8472
#1	5.088	.1046	.0947	1.014	.5278	2.307	3.682	1.075	.0981
#2	5.207	.1067	.0952	1.029	.5118	2.244	3.573	1.089	.0992

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.087**	**4.826**	**3.886**	**3.958**	**17.91**	**3.937**	**.5792**	**110.5**	**33.08**
Stddev	.021	.060	.024	.035	.19	.027	.0017	1.7	.69
%RSD	1.928	1.252	.6153	.8766	1.035	.6921	.2930	1.557	2.075
#1	1.102	4.783	3.869	3.934	17.78	3.918	.5780	109.3	32.59
#2	1.072	4.868	3.903	3.983	18.04	3.956	.5804	111.8	33.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**147.6**	**27.58**	**18.80**	**14.50**	**.0467**	**.0067**	**-.0176**	**4.070**	**.1730**
Stddev	3.0	.43	.28	.22	.0007	.0002	.0006	.028	.0001
%RSD	2.021	1.542	1.478	1.520	1.498	3.253	3.121	.6750	.0575
#1	145.4	27.28	18.60	14.35	.0462	.0068	-.0172	4.051	.1729
#2	149.7	27.88	18.99	14.66	.0472	.0065	-.0180	4.090	.1730

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1527**	**3.011**	**.0564**	**.0418**	**3.197**	**.0130**	**.1073**
Stddev	.0026	.059	.0003	.0005	.028	.0013	.0013
%RSD	1.713	1.971	.5038	1.306	.8895	9.889	1.204
#1	.1508	3.053	.0562	.0422	3.177	.0139	.1064
#2	.1545	2.969	.0566	.0414	3.217	.0121	.1082

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	79116.	15057.	2515.7	3536.1
Stddev	1348.	249.	15.8	29.6
%RSD	1.7042	1.6547	.62663	.83631
#1	78163.	15233.	2526.9	3557.0
#2	80070.	14881.	2504.6	3515.1

Zoom In Zoom Out

Sample Name: jb67912-25a Acquired: 6/9/2014 18:38:43 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.066**	**.0044**	**.0054**	**.0372**	**.1204**	**.3447**	**6.106**	**.0847**	**.0003**
Stddev	.000	.0001	.0003	.0000	.0010	.0018	.010	.0002	.0005
%RSD	.0074	2.575	4.857	.0368	.8661	.5340	.1598	.2879	205.5
#1	1.066	.0045	.0052	.0372	.1211	.3460	6.099	.0845	-.0001
#2	1.066	.0044	.0056	.0372	.1197	.3434	6.112	.0849	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1622**	**4.248**	**.0467**	**-.0022**	**18.90**	**.0006**	**.0099**	**52.52**	**27.40**
Stddev	.0009	.035	.0014	.0013	.10	.0016	.0009	.04	.01
%RSD	.5742	.8272	2.975	57.46	.5244	257.0	9.206	.0795	.0448
#1	.1628	4.223	.0477	-.0031	18.83	.0017	.0105	52.54	27.41
#2	.1615	4.273	.0457	-.0013	18.97	-.0005	.0092	52.49	27.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.9**	**15.58**	**5.808**	**1.835**	**.0578**	**.0042**	**-.0177**	**2.175**	**.1753**
Stddev	.1	.11	.027	.001	.0001	.0002	.0027	.002	.0004
%RSD	.0752	.6965	.4579	.0743	.1534	5.346	15.40	.0688	.2428
#1	138.9	15.66	5.827	1.834	.0578	.0040	-.0158	2.174	.1750
#2	138.8	15.50	5.790	1.836	.0579	.0043	-.0196	2.176	.1756

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1970**	**2.826**	**.0052**	**.0296**	**2.799**	**.0134**	**.1063**
Stddev	.0003	.005	.0014	.0001	.006	.0008	.0014
%RSD	.1667	.1919	27.19	.2426	.2101	6.211	1.309
#1	.1968	2.830	.0042	.0296	2.795	.0128	.1054
#2	.1973	2.823	.0062	.0295	2.803	.0140	.1073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	80468.	15366.	2556.1	3646.6
Stddev	137.	56.	1.6	5.4
%RSD	.16985	.36282	.06424	.14822
#1	80371.	15327.	2555.0	3650.4
#2	80564.	15406.	2557.3	3642.8

Zoom In Zoom Out

Sample Name: mp79846-sd1 Acquired: 6/9/2014 18:44:44 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2148**	**.0009**	**.0009**	**.0073**	**.0250**	**.0657**	**1.296**	**.0168**	**.0008**
Stddev	.0020	.0000	.0001	.0004	.0004	.0007	.003	.0002	.0006
%RSD	.9383	1.616	7.107	4.887	1.764	1.056	.1895	1.413	76.47
#1	.2133	.0009	.0010	.0075	.0246	.0652	1.294	.0169	.0013
#2	.2162	.0009	.0009	.0070	.0253	.0662	1.298	.0166	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0326**	**.8676**	**.0095**	**-.0018**	**3.705**	**.0008**	**.0023**	**10.54**	**5.642**
Stddev	.0001	.0032	.0006	.0004	.012	.0005	.0013	.05	.011
%RSD	.4558	.3686	6.297	19.21	.3298	62.26	56.87	.5155	.1869
#1	.0325	.8698	.0100	-.0021	3.714	.0004	.0032	10.50	5.635
#2	.0327	.8653	.0091	-.0016	3.697	.0011	.0013	10.58	5.649

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**28.87**	**3.168**	**1.133**	**.3666**	**.0128**	**.0006**	**-.0038**	**.4577**	**.0345**
Stddev	.16	.042	.008	.0061	.0000	.0004	.0010	.0034	.0001
%RSD	.5575	1.324	.6924	1.651	.0451	74.95	26.57	.7537	.2391
#1	28.76	3.139	1.128	.3624	.0128	.0003	-.0031	.4602	.0344
#2	28.99	3.198	1.139	.3709	.0128	.0009	-.0045	.4553	.0346

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0396**	**.5723**	**-.0063**	**.0058**	**.5492**	**-.0005**	**.0205**
Stddev	.0003	.0017	.0005	.0001	.0024	.0003	.0005
%RSD	.7609	.2936	7.489	1.848	.4280	61.03	2.599
#1	.0394	.5711	-.0059	.0057	.5509	-.0003	.0208
#2	.0398	.5735	-.0066	.0059	.5476	-.0007	.0201

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	80906.	14958.	2636.8	3821.3
Stddev	33.	111.	16.6	15.4
%RSD	.04078	.73888	.62881	.40307
#1	80883.	15036.	2625.1	3810.4
#2	80929.	14879.	2648.5	3832.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 18:50:44 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.065**	**2.094**	**2.069**	**2.104**	**2.110**	**2.008**	**2.168**	**2.116**	**.2527**
Stddev	.001	.003	.009	.016	.004	.013	.003	.012	.0012
%RSD	.0532	.1374	.4344	.7421	.2120	.6483	.1575	.5647	.4759
#1	2.066	2.096	2.063	2.093	2.113	2.018	2.171	2.107	.2535
#2	2.064	2.092	2.076	2.115	2.107	1.999	2.166	2.124	.2518
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**	**2.093**	**2.068**	**2.182**	**2.141**	**2.106**	**2.076**	**40.76**	**40.98**
Stddev	.004	.017	.016	.007	.011	.008	.008	.03	.03
%RSD	.1945	.8316	.7774	.3192	.5184	.3634	.3677	.0673	.0836
#1	2.039	2.081	2.057	2.177	2.133	2.101	2.070	40.78	41.00
#2	2.033	2.105	2.080	2.187	2.149	2.111	2.081	40.74	40.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.52**	**40.84**	**40.64**	**41.08**	**2.115**	**2.091**	**2.042**	**5.176**	**2.131**
Stddev	.01	.01	.00	.02	.016	.012	.012	.017	.011
%RSD	.0298	.0200	.0113	.0576	.7470	.5524	.6086	.3298	.5261
#1	41.51	40.83	40.64	41.10	2.104	2.083	2.050	5.164	2.123
#2	41.52	40.85	40.63	41.07	2.127	2.100	2.033	5.188	2.139
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: 6/9/2014 18:50:44 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.077**	**2.091**	**1.962**	**2.059**	**2.025**	**2.052**	**2.028**
Stddev	.001	.006	.044	.008	.015	.006	.000
%RSD	.0289	.2704	2.235	.3698	.7532	.3063	.0069
#1	2.076	2.095	1.931	2.064	2.014	2.048	2.028
#2	2.077	2.087	1.993	2.053	2.036	2.057	2.029
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	**75677.**	**14381.**	**2448.3**	**3447.7**
Stddev	16.	34.	15.1	25.2
%RSD	.02117	.23528	.61599	.72959
#1	75666.	14405.	2459.0	3465.5
#2	75689.	14357.	2437.7	3429.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 18:56:34 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0000**	**.0002**	**.0010**	**.0001**	**-.0001**	**.0005**
Stddev	.0001	.0001	.0000	.0001	.0002	.0009	.0000	.0004	.0002
%RSD	227.1	189.1	9.174	1507.	85.86	94.08	2.909	467.7	41.76
#1	-.0000	-.0000	.0001	.0001	.0001	.0016	.0001	.0002	.0004
#2	.0001	.0002	.0000	-.0001	.0004	.0003	.0001	-.0003	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0002**	**.0009**	**-.0002**	**.0012**	**-.0017**	**.0016**	**-.0003**	**-.0026**
Stddev	.0003	.0001	.0007	.0017	.0007	.0000	.0001	.0023	.0006
%RSD	81.91	46.64	78.08	819.8	60.79	1.120	5.346	878.9	25.16
#1	-.0002	.0001	.0004	.0010	.0017	-.0017	.0015	-.0019	-.0021
#2	-.0006	.0003	.0014	-.0014	.0007	-.0017	.0017	.0014	-.0030
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	**.0070**	**.0068**	**.0068**	**.0057**	**.0007**	**.0008**	**-.0015**	**.0068**	**-.0008**
Stddev	.0014	.0163	.0025	.0009	.0002	.0000	.0001	.0007	.0002
%RSD	19.70	239.7	36.37	15.80	26.54	.6712	9.600	10.40	26.20
#1	.0080	-.0047	.0086	.0064	.0009	.0008	-.0014	.0073	-.0009
#2	.0060	.0183	.0051	.0051	.0006	.0008	-.0016	.0063	-.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: 6/9/2014 18:56:34 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0006**	**.0182**	**.0011**	**-.0028**	**-.0012**	**.0009**
Stddev	.0000	.0005	.0037	.0003	.0003	.0003	.0004
%RSD	58.00	91.95	20.17	28.82	10.49	24.80	39.46
#1	.0000	.0002	.0208	.0009	-.0026	-.0014	.0012
#2	.0001	.0010	.0156	.0013	-.0030	-.0010	.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	**79707.**	**14528.**	**2615.4**	**3888.4**
Stddev	191.	49.	12.6	21.8
%RSD	.23976	.33555	.48204	.56172
#1	79572.	14493.	2624.3	3903.9
#2	79842.	14562.	2606.5	3873.0

Zoom In Zoom Out

Sample Name: jb67912-6a Acquired: 6/9/2014 19:02:39 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.945**	**.0076**	**.1200**	**.1077**	**.2578**	**1.474**	**9.416**	**.2394**	**-.0803**
Stddev	.007	.0000	.0027	.0025	.0007	.002	.063	.0047	.0013
%RSD	.2336	.6233	2.228	2.339	.2529	.1339	.6633	1.984	1.597
#1	2.950	.0076	.1182	.1059	.2573	1.472	9.371	.2361	-.0794
#2	2.940	.0076	.1219	.1095	.2582	1.475	9.460	.2428	-.0812

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3260**	**26.05**	**.5585**	**-.0314**	**21.92**	**-.0190**	**.1016**	**65.01**	**393.4**
Stddev	.0012	.44	.0082	.0025	.35	.0055	.0022	.15	1.7
%RSD	.3773	1.692	1.463	8.078	1.591	28.77	2.162	.2285	.4345
#1	.3252	25.74	.5527	-.0296	21.68	-.0151	.1000	65.11	394.6
#2	.3269	26.36	.5643	-.0332	22.17	-.0228	.1031	64.90	392.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**664.1**	**11.34**	**8.294**	**5.368**	**.0779**	**.0590**	**-.0987**	**2.739**	**6.651**
Stddev	5.0	.01	.036	.035	.0017	.0010	.0017	.058	.125
%RSD	.7497	.1094	.4337	.6580	2.151	1.625	1.692	2.128	1.873
#1	667.7	11.33	8.319	5.393	.0767	.0583	-.0976	2.697	6.563
#2	660.6	11.35	8.268	5.343	.0791	.0597	-.0999	2.780	6.740

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.876**	**.9917**	**.0496**	**.0026**	**23.48**	**.0803**	**.1930**
Stddev	.006	.0040	.0009	.0002	.49	.0010	.0021
%RSD	.3213	.4002	1.905	8.099	2.071	1.223	1.092
#1	1.881	.9889	.0489	.0027	23.14	.0796	.1944
#2	1.872	.9945	.0503	.0024	23.83	.0810	.1915

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73674.**	**14626.**	**2229.9**	**3379.3**
Stddev	62.	8.	41.0	50.5
%RSD	.08460	.05426	1.8381	1.4942
#1	73719.	14631.	2258.9	3415.0
#2	73630.	14620.	2200.9	3343.6

Zoom In Zoom Out

Sample Name: jb68620-1q Acquired: 6/9/2014 19:08:47 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: bottleqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0014**	**.0000**	**-.0004**	**-.0000**	**.0003**	**.0059**	**.0014**	**.0014**	**-.0008**
Stddev	.0001	.0000	.0001	.0002	.0000	.0003	.0001	.0002	.0001
%RSD	10.01	98.53	23.01	878.1	7.594	4.298	6.545	17.28	14.96
#1	.0014	.0001	-.0003	.0001	.0003	.0061	.0014	.0015	-.0009
#2	.0013	.0000	-.0004	-.0002	.0003	.0057	.0013	.0012	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0056**	**.0021**	**.0046**	**.0043**	**.0011**	**-.0012**	**.0193**	**.1022**
Stddev	.0001	.0003	.0002	.0000	.0005	.0014	.0003	.0028	.0004
%RSD	47.51	4.497	10.40	.0050	10.93	132.7	28.64	14.55	.3487
#1	-.0001	.0057	.0019	.0046	.0046	.0001	-.0014	.0173	.1020
#2	-.0003	.0054	.0022	.0046	.0040	.0021	-.0010	.0213	.1025

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1154**	**.0149**	**-.0046**	**.1547**	**-.0011**	**-.0003**	**-.0009**	**-.0035**	**.0005**
Stddev	.0050	.0264	.0024	.0025	.0003	.0002	.0002	.0000	.0006
%RSD	4.342	176.7	51.28	1.626	30.81	58.72	21.11	.8078	107.3
#1	.1189	.0336	-.0063	.1530	-.0009	-.0002	-.0008	-.0035	.0009
#2	.1118	-.0037	-.0030	.1565	-.0014	-.0005	-.0011	-.0036	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0009**	**-.0135**	**-.0006**	**.0289**	**.0019**	**-.0001**
Stddev	.0000	.0001	.0007	.0001	.0009	.0008	.0002
%RSD	1.361	10.13	5.471	17.20	3.058	43.82	107.8
#1	.0005	.0008	-.0140	-.0005	.0283	.0013	-.0000
#2	.0005	.0009	-.0129	-.0007	.0295	.0024	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79672.**	**14790.**	**2621.5**	**3970.1**
Stddev	128.	42.	4.5	2.8
%RSD	.16090	.28081	.17260	.07002
#1	79581.	14820.	2618.3	3968.2
#2	79763.	14761.	2624.7	3972.1

Zoom In Zoom Out

Sample Name: jb67912-20a Acquired: 6/9/2014 19:14:49 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.229**	**.0053**	**.0029**	**.0558**	**.0978**	**.3084**	**1.874**	**.1441**	**-.0001**
Stddev	.002	.0001	.0000	.0006	.0004	.0010	.007	.0007	.0006
%RSD	.1369	2.484	.2800	1.090	.4545	.3365	.3798	.4623	406.3
#1	1.228	.0052	.0029	.0554	.0975	.3092	1.869	.1436	.0003
#2	1.230	.0053	.0029	.0563	.0981	.3077	1.879	.1446	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2707**	**1.090**	**.1450**	**-.0049**	**3.648**	**.0185**	**.0045**	**61.82**	**59.58**
Stddev	.0014	.005	.0003	.0003	.024	.0004	.0014	.15	.36
%RSD	.5175	.4520	.1846	6.587	.6645	2.065	31.65	.2369	.6025
#1	.2697	1.086	.1452	-.0051	3.631	.0188	.0035	61.72	59.33
#2	.2717	1.093	.1448	-.0046	3.665	.0183	.0055	61.93	59.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**77.05**	**6.010**	**9.505**	**4.227**	**.0629**	**.0539**	**-.0084**	**2.484**	**.0824**
Stddev	.51	.073	.009	.006	.0004	.0005	.0002	.006	.0000
%RSD	.6672	1.215	.0922	.1522	.6711	.8445	2.281	.2440	.0482
#1	76.68	5.958	9.499	4.232	.0632	.0536	-.0085	2.479	.0824
#2	77.41	6.062	9.511	4.222	.0626	.0543	-.0082	2.488	.0824

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4831**	**.9384**	**.0006**	**.0356**	**16.44**	**.0017**	**.1540**
Stddev	.0011	.0013	.0010	.0002	.07	.0007	.0010
%RSD	.2242	.1339	164.6	.5000	.4241	42.82	.6341
#1	.4824	.9393	-.0001	.0357	16.39	.0023	.1547
#2	.4839	.9375	.0013	.0355	16.49	.0012	.1533

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77846.**	**14960.**	**2472.4**	**3525.7**
Stddev	251.	98.	4.3	10.0
%RSD	.32211	.65730	.17408	.28324
#1	78024.	15029.	2475.5	3532.8
#2	77669.	14890.	2469.4	3518.6

Zoom In Zoom Out

Sample Name: jb67912-22a Acquired: 6/9/2014 19:20:45 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8479**	**.0039**	**.0018**	**.0554**	**.0917**	**.2560**	**1.139**	**.1422**	**-.0019**
Stddev	.0001	.0000	.0001	.0000	.0002	.0002	.003	.0009	.0010
%RSD	.0111	1.116	3.027	.0503	.2165	.0812	.2641	.6520	53.61
#1	.8479	.0039	.0018	.0554	.0918	.2561	1.141	.1429	-.0027
#2	.8480	.0040	.0019	.0554	.0915	.2559	1.136	.1416	-.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2502**	**1.679**	**.2212**	**-.0054**	**6.521**	**.0069**	**.0226**	**40.92**	**54.20**
Stddev	.0003	.005	.0023	.0013	.026	.0009	.0013	.07	.03
%RSD	.1181	.2862	1.043	24.62	.3950	12.73	5.838	.1634	.0565
#1	.2500	1.682	.2229	-.0063	6.540	.0075	.0235	40.97	54.22
#2	.2504	1.675	.2196	-.0044	6.503	.0062	.0216	40.88	54.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**110.9**	**4.593**	**5.773**	**2.996**	**.0195**	**.0557**	**-.0122**	**2.312**	**1.173**
Stddev	.0	.028	.010	.007	.0007	.0002	.0011	.010	.005
%RSD	.0084	.6136	.1681	.2282	3.594	.4004	8.643	.4418	.3898
#1	110.9	4.613	5.767	2.991	.0200	.0559	-.0130	2.319	1.177
#2	110.9	4.573	5.780	3.000	.0190	.0556	-.0115	2.304	1.170

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4273**	**.7661**	**-.0008**	**.0226**	**19.77**	**.0062**	**.1009**
Stddev	.0002	.0017	.0001	.0002	.09	.0008	.0011
%RSD	.0487	.2182	13.35	.8666	.4714	13.64	1.140
#1	.4271	.7673	-.0009	.0227	19.83	.0056	.1000
#2	.4274	.7649	-.0007	.0224	19.70	.0068	.1017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78400.**	**14866.**	**2526.1**	**3649.6**
Stddev	2.	36.	11.8	13.8
%RSD	.00248	.24353	.46707	.37741
#1	78399.	14841.	2517.8	3639.8
#2	78402.	14892.	2534.5	3659.3

Zoom In Zoom Out

Sample Name: jb67912-24a Acquired: 6/9/2014 19:26:39 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**6.071**	**.0092**	**.0304**	**.0731**	**.2493**	**1.108**	**3.716**	**.1813**	**.0000**
Stddev	.004	.0001	.0001	.0003	.0014	.005	.006	.0006	.0001
%RSD	.0665	.9500	.3017	.3539	.5600	.4694	.1699	.3423	201.7
#1	6.068	.0091	.0305	.0729	.2502	1.105	3.720	.1808	.0001
#2	6.074	.0093	.0303	.0733	.2483	1.112	3.711	.1817	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2878**	**11.08**	**.1782**	**-.0188**	**8.390**	**.0015**	**.0178**	**104.0**	**165.2**
Stddev	.0001	.02	.0001	.0003	.003	.0007	.0015	.1	.3
%RSD	.0263	.2244	.0397	1.576	.0321	45.50	8.629	.0993	.1842
#1	.2879	11.06	.1782	-.0186	8.388	.0010	.0189	103.9	165.0
#2	.2878	11.10	.1783	-.0190	8.392	.0020	.0167	104.1	165.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**153.2**	**16.37**	**11.75**	**5.872**	**.0748**	**.0377**	**-.0181**	**2.686**	**.5714**
Stddev	.3	.11	.00	.011	.0002	.0004	.0007	.001	.0014
%RSD	.2048	.6854	.0098	.1887	.2470	1.053	3.775	.0189	.2493
#1	153.0	16.29	11.75	5.880	.0746	.0374	-.0185	2.686	.5724
#2	153.4	16.45	11.75	5.864	.0749	.0379	-.0176	2.685	.5704

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9299**	**1.704**	**.0122**	**.0313**	**31.76**	**.0136**	**.1954**
Stddev	.0005	.004	.0020	.0001	.01	.0011	.0007
%RSD	.0579	.2080	16.72	.1733	.0437	8.352	.3547
#1	.9296	1.707	.0136	.0313	31.75	.0144	.1959
#2	.9303	1.702	.0107	.0312	31.77	.0128	.1949

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76860.**	**14965.**	**2407.5**	**3441.9**
Stddev	36.	77.	2.0	4.8
%RSD	.04640	.51197	.08243	.13941
#1	76834.	15019.	2408.9	3445.3
#2	76885.	14911.	2406.1	3438.5

Zoom In Zoom Out

Sample Name: jb67912-28a Acquired: 6/9/2014 19:32:32 Type: Unk
Method: Accutest1(v365) 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	**14.34**	**.0113**	**.5991**	**.1034**	**.3993**	**2.933**	**14.52**	**.2600**	**-.1209**
Stddev	.07	.0003	.0028	.0013	.0005	.028	.11	.0010	.0045
%RSD	.4692	2.577	.4726	1.270	.1169	.9444	.7254	.3817	3.735
#1	14.39	.0111	.6011	.1043	.3996	2.952	14.60	.2593	-.1241
#2	14.29	.0115	.5971	.1025	.3990	2.913	14.45	.2607	-.1177

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3497**	**153.4**	**.8589**	**-.2061**	**27.10**	**-.0423**	**.0897**	**42.07**	**209.2**
Stddev	.0040	.3	.0028	.0048	.08	.0043	.0033	.27	.6
%RSD	1.154	.2110	.3202	2.341	.2775	10.07	3.709	.6346	.2655
#1	.3526	153.7	.8570	-.2027	27.15	-.0393	.0920	42.25	209.6
#2	.3469	153.2	.8609	-.2095	27.04	-.0453	.0873	41.88	208.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2031.**	**15.65**	**7.271**	**4.847**	**.1673**	**.0279**	**-.2439**	**2.518**	**1.194**
Stddev	4.	.03	.047	.035	.0027	.0003	.0039	.015	.013
%RSD	.1962	.1915	.6393	.7289	1.593	1.097	1.590	.6056	1.054
#1	2034.	15.68	7.238	4.872	.1692	.0277	-.2467	2.528	1.202
#2	2029.	15.63	7.304	4.823	.1654	.0281	-.2412	2.507	1.185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9226**	**1.979**	**.5491**	**.0259**	**29.44**	**.1933**	**.2442**
Stddev	.0015	.023	.0132	.0005	.18	.0011	.0013
%RSD	.1625	1.167	2.409	2.079	.6223	.5638	.5352
#1	.9237	1.996	.5584	.0255	29.57	.1925	.2452
#2	.9215	1.963	.5397	.0263	29.31	.1940	.2433

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76934.**	**14407.**	**2460.1**	**3664.2**
Stddev	191.	14.	2.8	9.6
%RSD	.24802	.10045	.11456	.26136
#1	77069.	14417.	2462.1	3671.0
#2	76799.	14397.	2458.1	3657.4

Zoom In Zoom Out

Sample Name: jb67912-29a Acquired: 6/9/2014 19:38:24 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.011**	**.0065**	**.0160**	**.0592**	**.4387**	**.4837**	**2.389**	**.1738**	**-.0024**
Stddev	.005	.0001	.0003	.0005	.0037	.0104	.030	.0011	.0008
%RSD	.1664	1.897	1.932	.8379	.8395	2.152	1.245	.6278	34.43
#1	3.007	.0066	.0158	.0589	.4413	.4911	2.410	.1730	-.0030
#2	3.014	.0064	.0162	.0596	.4361	.4764	2.368	.1746	-.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2555**	**6.203**	**.1629**	**-.0121**	**6.952**	**-.0058**	**.0172**	**91.38**	**40.91**
Stddev	.0031	.033	.0014	.0031	.034	.0028	.0012	.22	.09
%RSD	1.223	.5235	.8699	25.84	.4865	48.44	7.183	.2353	.2200
#1	.2577	6.180	.1619	-.0099	6.928	-.0078	.0181	91.23	40.98
#2	.2533	6.226	.1639	-.0143	6.976	-.0038	.0164	91.54	40.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**169.9**	**21.57**	**10.91**	**1.814**	**.0547**	**.0163**	**-.0203**	**2.915**	**.2162**
Stddev	.0	.03	.01	.012	.0001	.0001	.0005	.010	.0007
%RSD	.0251	.1413	.0511	.6792	.2382	.7629	2.638	.3383	.3249
#1	169.9	21.59	10.91	1.805	.0547	.0164	-.0207	2.908	.2157
#2	170.0	21.55	10.92	1.823	.0546	.0162	-.0199	2.922	.2167

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3119**	**3.434**	**.0224**	**.0328**	**9.779**	**.0141**	**.1664**
Stddev	.0005	.055	.0004	.0004	.046	.0007	.0010
%RSD	.1516	1.606	1.796	1.088	.4736	5.038	.5831
#1	.3116	3.473	.0221	.0330	9.746	.0136	.1657
#2	.3122	3.395	.0227	.0325	9.812	.0146	.1671

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80500.**	**15377.**	**2501.3**	**3533.3**
Stddev	735.	18.	8.5	15.0
%RSD	.91339	.11396	.33862	.42444
#1	79980.	15365.	2507.3	3543.9
#2	81020.	15389.	2495.3	3522.7

Zoom In Zoom Out

Sample Name: jb67912-31a Acquired: 6/9/2014 19:44:18 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4929**	**.0022**	**.0024**	**.0394**	**.1245**	**.3284**	**1.585**	**.1109**	**-.0299**
Stddev	.0105	.0012	.0005	.0048	.0089	.0229	.114	.0000	.0384
%RSD	2.135	56.47	20.06	12.07	7.169	6.966	7.170	.0251	128.4
#1	.4854	.0013	.0021	.0428	.1308	.3446	1.665	.1109	-.0570
#2	.5003	.0031	.0027	.0360	.1182	.3122	1.504	.1109	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1189**	**1.066**	**.0977**	**-.0060**	**.5652**	**.0188**	**.0041**	**25.50**	**14.99**
Stddev	.0070	.014	.0153	.0061	.0028	.0105	.0006	.62	.25
%RSD	5.888	1.281	15.63	102.8	.5029	56.00	14.75	2.439	1.666
#1	.1238	1.056	.0869	-.0103	.5632	.0113	.0037	25.06	14.82
#2	.1139	1.075	.1085	-.0016	.5672	.0262	.0045	25.94	15.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.9**	**5.611**	**4.091**	**2.240**	**.0209**	**.0172**	**-.0136**	**2.141**	**.0960**
Stddev	2.6	.135	.113	.059	.0001	.0006	.0045	.001	.0034
%RSD	1.853	2.414	2.761	2.625	.4265	3.478	33.47	.0434	3.582
#1	137.0	5.515	4.011	2.198	.0208	.0168	-.0168	2.140	.0936
#2	140.7	5.706	4.171	2.281	.0209	.0176	-.0104	2.141	.0984

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1299**	**1.865**	**.0301**	**.0333**	**31.53**	**.0068**	**.0536**
Stddev	.0024	.136	.0066	.0019	.26	.0040	.0009
%RSD	1.857	7.311	21.87	5.676	.8368	58.71	1.648
#1	.1282	1.961	.0348	.0320	31.35	.0040	.0530
#2	.1316	1.768	.0254	.0347	31.72	.0096	.0542

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**14705.**	**2535.8**	**3719.5**
Stddev	-----	195.	17.2	29.8
%RSD	-----	1.3289	.67710	.80180
#1	-----	14843.	2547.9	3740.6
#2	78976.	14567.	2523.7	3698.4

Zoom In Zoom Out

Sample Name: mp79886-mb2 2 Acquired: 6/9/2014 19:50:14 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: multielements

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0012**	**.0000**	**.0001**	**-.0004**	**.0006**	**.0005**	**.0009**	**.0010**	**.0004**
Stddev	.0001	.0001	.0001	.0000	.0001	.0003	.0000	.0002	.0001
%RSD	4.524	181.6	87.15	1.853	16.66	63.45	3.522	24.39	21.73
#1	.0013	-.0000	.0000	-.0004	.0005	.0003	.0009	.0012	.0005
#2	.0012	.0001	.0002	-.0004	.0007	.0008	.0009	.0008	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0035**	**-.0020**	**-.0030**	**.0009**	**.0004**	**.0023**	**.0050**	**.1341**
Stddev	.0001	.0000	.0005	.0008	.0003	.0010	.0001	.0014	.0017
%RSD	34.86	1.077	23.44	27.92	33.74	214.9	6.179	28.10	1.280
#1	-.0002	.0035	-.0024	-.0036	.0006	.0011	.0024	.0040	.1353
#2	-.0003	.0035	-.0017	-.0024	.0011	-.0002	.0022	.0060	.1329

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0453**	**.0480**	**.0148**	**.0511**	**.0003**	**.0003**	**-.0001**	**.0239**	**.0157**
Stddev	.0032	.0041	.0062	.0035	.0006	.0002	.0004	.0004	.0002
%RSD	6.998	8.433	42.30	6.912	228.7	58.22	285.0	1.867	.9968
#1	.0475	.0509	.0192	.0486	.0007	.0005	-.0004	.0236	.0158
#2	.0431	.0452	.0103	.0536	-.0002	.0002	.0001	.0242	.0155

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0006**	**-.0028**	**-.0001**	**.0028**	**-.0049**	**.0001**
Stddev	.0000	.0002	.0009	.0001	.0032	.0001	.0003
%RSD	4.649	28.67	31.97	62.38	114.2	2.594	231.1
#1	.0005	.0005	-.0034	-.0001	.0005	-.0049	.0003
#2	.0005	.0007	-.0021	-.0002	.0051	-.0050	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81812.**	**14596.**	**2607.1**	**3881.4**
Stddev	2460.	5.	1.8	3.2
%RSD	3.0067	.03564	.06848	.08261
#1	83552.	14600.	2608.4	3883.7
#2	80073.	14592.	2605.8	3879.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 19:56:19 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**2.082**	**2.066**	**2.105**	**2.103**	**2.016**	**2.151**	**2.120**	**.2517**
Stddev	.011	.007	.020	.018	.004	.001	.005	.016	.0009
%RSD	.5240	.3258	.9821	.8529	.1722	.0362	.2287	.7530	.3764
#1	2.067	2.086	2.081	2.118	2.105	2.016	2.155	2.131	.2524
#2	2.051	2.077	2.052	2.093	2.100	2.015	2.148	2.108	.2511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.095**	**2.064**	**2.186**	**2.142**	**2.097**	**2.073**	**40.51**	**40.92**
Stddev	.007	.012	.018	.023	.020	.025	.022	.14	.13
%RSD	.3694	.5869	.8734	1.044	.9094	1.192	1.071	.3400	.3197
#1	2.036	2.104	2.077	2.202	2.156	2.115	2.089	40.61	41.02
#2	2.026	2.086	2.052	2.169	2.128	2.080	2.057	40.41	40.83
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	**41.36**	**40.83**	**40.52**	**40.96**	**2.110**	**2.091**	**2.048**	**5.164**	**2.125**
Stddev	.16	.10	.22	.30	.018	.016	.005	.055	.017
%RSD	.3754	.2566	.5536	.7283	.8741	.7771	.2375	1.064	.7980
#1	41.47	40.90	40.68	41.18	2.123	2.103	2.045	5.203	2.137
#2	41.25	40.75	40.36	40.75	2.097	2.080	2.052	5.125	2.113
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: 6/9/2014 19:56:19 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.072**	**2.079**	**1.963**	**2.054**	**2.014**	**2.044**	**2.017**
Stddev	.010	.007	.016	.003	.015	.025	.020
%RSD	.4864	.3181	.8085	.1652	.7450	1.234	.9883
#1	2.079	2.084	1.952	2.057	2.024	2.062	2.031
#2	2.065	2.074	1.974	2.052	2.003	2.027	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	**76151.**	**14376.**	**2452.9**	**3445.5**
Stddev	439.	20.	17.2	22.3
%RSD	.57676	.13906	.70238	.64812
#1	75841.	14362.	2440.7	3429.7
#2	76462.	14390.	2465.1	3461.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 20:02:08 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0000**	**-.0000**	**.0002**	**.0006**	**.0002**	**.0000**	**.0003**
Stddev	.0001	.0001	.0001	.0000	.0006	.0005	.0000	.0004	.0004
%RSD	129.0	92.30	2005.	85.06	317.3	84.86	12.98	60820.	125.9
#1	.0000	.0002	.0001	-.0000	.0006	.0002	.0002	.0003	.0000
#2	.0002	.0000	-.0001	-.0000	-.0002	.0009	.0002	-.0003	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0011**	**.0004**	**.0003**	**-.0011**	**.0013**	**-.0040**	**-.0026**
Stddev	.0002	.0000	.0001	.0005	.0005	.0019	.0008	.0118	.0006
%RSD	114.1	1.571	10.68	129.1	154.9	176.5	60.88	290.6	24.33
#1	-.0003	.0002	.0010	.0008	.0007	-.0024	.0018	.0043	-.0022
#2	-.0000	.0002	.0012	.0000	-.0000	.0003	.0007	-.0124	-.0031
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	**.0164**	**-.0006**	**-.0069**	**.0053**	**.0004**	**.0009**	**-.0004**	**.0044**	**-.0006**
Stddev	.0002	.0336	.0221	.0061	.0001	.0001	.0007	.0009	.0003
%RSD	1.328	5846.	318.3	114.6	23.66	13.79	198.1	20.50	46.65
#1	.0163	.0232	.0087	.0010	.0005	.0010	-.0009	.0038	-.0007
#2	.0166	-.0243	-.0226	.0096	.0003	.0008	.0001	.0051	-.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: 6/9/2014 20:02:08 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0190**	**.0012**	**-.0001**	**-.0018**	**.0002**
Stddev	.0000	.0004	.0035	.0002	.0000	.0002	.0014
%RSD	60.61	122.5	18.46	16.66	16.57	13.17	595.0
#1	.0001	.0000	.0215	.0013	-.0001	-.0017	.0013
#2	.0000	.0006	.0165	.0010	-.0001	-.0020	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79831.**	**14507.**	**2626.1**	**3892.3**
Stddev	739.	93.	8.1	17.3
%RSD	.92525	.64404	.30976	.44483
#1	80354.	14441.	2631.8	3904.5
#2	79309.	14573.	2620.3	3880.1

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 20:08:15 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2094**	**.0022**	**.0034**	**.0529**	**.0113**	**.0113**	**.0172**	**.0106**	**.0056**
Stddev	.0001	.0000	.0000	.0003	.0000	.0002	.0001	.0002	.0004
%RSD	.0288	.4408	.0727	.5965	.1755	1.973	.7344	1.798	6.764
#1	.2094	.0022	.0034	.0531	.0113	.0115	.0173	.0108	.0058
#2	.2095	.0022	.0034	.0527	.0113	.0112	.0171	.0105	.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0537**	**.0233**	**.0097**	**.0107**	**.0029**	**.0104**	**.0069**	**.2128**	**5.268**
Stddev	.0005	.0000	.0002	.0008	.0003	.0004	.0001	.0042	.027
%RSD	.8768	.0633	1.699	7.490	9.113	3.494	.9744	1.982	.5093
#1	.0541	.0233	.0096	.0113	.0031	.0101	.0069	.2158	5.249
#2	.0534	.0233	.0098	.0101	.0027	.0106	.0070	.2098	5.287
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	**.1196**	**5.252**	**5.205**	**5.180**	**.1054**	**.0207**	**.0553**	**.2181**	**.0099**
Stddev	.0001	.001	.048	.024	.0003	.0002	.0022	.0017	.0006
%RSD	.0944	.0240	.9255	.4610	.3065	.7528	3.898	.7579	6.380
#1	.1197	5.253	5.239	5.163	.1057	.0208	.0569	.2192	.0094
#2	.1195	5.251	5.171	5.197	.1052	.0206	.0538	.2169	.0103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/9/2014 20:08:15 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108**	**.0113**	**.0541**	**.0114**	**.0473**	**.0205**	**.0221**
Stddev	.0000	.0000	.0014	.0000	.0011	.0008	.0006
%RSD	.0700	.4248	2.559	.1597	2.264	3.904	2.664
#1	.0108	.0113	.0551	.0114	.0466	.0210	.0226
#2	.0108	.0114	.0531	.0114	.0481	.0199	.0217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79102.**	**14435.**	**2591.9**	**3813.2**
Stddev	340.	73.	4.3	2.3
%RSD	.42997	.50335	.16429	.05923
#1	78861.	14384.	2588.9	3814.8
#2	79342.	14487.	2594.9	3811.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 20:14:17 Type: QC
Method: Accutest1(v365) 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**	**.0032**	**.0020**	F **.0026**	**.0034**	**.0043**
Stddev	.0002	.0000	.0000	.0001	.0001	.0007	.0000	.0003
%RSD	5.437	2.728	1.673	3.353	3.751	27.29	.3771	8.085
#1	.0043	.0010	.0010	.0031	.0020	.0031	.0035	.0040
#2	.0040	.0010	.0010	.0033	.0019	.0021	.0034	.0045
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**	**.0126**	**.0034**	**.0023**	**.0027**	**.0053**	F **.0039**
Stddev	.0006	.0003	.0002	.0002	.0004	.0009	.0002	.0011
%RSD	45.31	13.70	1.804	7.024	19.32	34.55	4.242	28.54
#1	.0008	.0021	.0125	.0032	.0026	.0034	.0054	.0031
#2	.0016	.0017	.0128	.0036	.0019	.0021	.0051	.0047
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	**.1070**	**1.063**	**.0076**	**.1278**	**2.082**	**1.056**	**.0102**	**-.0001**
Stddev	.0048	.032	.0045	.0227	.062	.027	.0005	.0003
%RSD	4.527	2.960	59.07	17.80	2.973	2.527	5.027	371.0
#1	.1035	1.085	.0107	.1117	2.126	1.075	.0098	.0001
#2	.1104	1.041	.0044	.1439	2.038	1.037	.0106	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/9/2014 20:14:17 Type: QC
Method: Accutest1(v365) 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**	**-.0014**	**-.0008**	**-.0000**	**-.0000**	F **-.0011**	F **-.0001**	F **-.0018**
Stddev	.0007	.0000	.0007	.0000	.0000	.0006	.0000	.0027
%RSD	66.20	.2522	87.62	169.3	20.36	51.20	16.78	155.9
#1	-.0016	-.0014	-.0003	.0000	-.0000	-.0015	-.0001	-.0037
#2	-.0006	-.0014	-.0012	-.0001	-.0000	-.0007	-.0001	.0002
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 **-.0015**	F **.0011**
Stddev	.0016	.0003
%RSD	111.7	25.80
#1	-.0003	.0009
#2	-.0026	.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	**78816.**	**14661.**	**2626.1**	**3885.6**
Stddev	2660.	292.	15.6	24.9
%RSD	3.3744	1.9901	.59371	.63996
#1	76935.	14455.	2637.1	3903.2
#2	80696.	14868.	2615.0	3868.0

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 20:20:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0006**	**.0000**	**.0002**	**-.0001**
Stddev	.0001	.0001	.0000	.0000	.0002	.0001	.0000	.0001	.0002
%RSD	69.97	149.1	4.830	4.394	133.1	15.04	7.511	71.07	138.4
#1	.0001	.0001	-.0002	-.0001	-.0002	.0006	.0000	.0003	-.0000
#2	.0000	-.0000	-.0002	-.0001	-.0000	.0007	.0000	.0001	-.0002
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0004**	**.0210**	**.0003**	**.0219**	**.0237**	**.0203**	**.5183**	**.0027**
Stddev	.0002	.0002	.0003	.0020	.0002	.0003	.0015	.0059	.0020
%RSD	82.22	48.37	1.283	652.7	.8556	1.206	7.498	1.146	75.09
#1	-.0005	.0005	.0212	-.0011	.0221	.0239	.0193	.5225	.0013
#2	-.0001	.0003	.0208	.0017	.0218	.0235	.0214	.5141	.0041
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	**.5522**	**-.0051**	**-.0232**	**-.0042**	**-.0002**	**-.0005**	**-.0016**	**-.0007**	**-.0004**
Stddev	.0085	.0432	.0098	.0032	.0006	.0003	.0007	.0000	.0003
%RSD	1.543	851.1	42.48	78.00	234.1	75.07	43.80	1.880	90.21
#1	.5582	.0254	-.0162	-.0019	-.0007	-.0007	-.0021	-.0006	-.0006
#2	.5461	-.0356	-.0301	-.0065	.0002	-.0002	-.0011	-.0007	-.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/9/2014 20:20:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**-.0043**	**-.0002**	**-.0023**	**-.0024**	**.0002**
Stddev	.0000	.0004	.0006	.0000	.0032	.0001	.0010
%RSD	34.41	1721.	14.10	6.114	143.2	4.436	564.1
#1	.0001	.0003	-.0039	-.0002	.0000	-.0025	.0009
#2	.0001	-.0003	-.0047	-.0002	-.0045	-.0023	-.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	**78955.**	**14465.**	**2628.5**	**3889.2**
Stddev	490.	166.	6.7	9.9
%RSD	.62081	1.1507	.25648	.25571
#1	78608.	14347.	2633.3	3896.2
#2	79302.	14583.	2623.8	3882.2

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/9/2014 20:26:28 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0006**	**.0027**	**-.0016**	**-.0019**	**.0033**	**-.0004**	**-.0003**	**-.0068**
Stddev	.0000	.0000	.0001	.0001	.0003	.0006	.0002	.0009	.0008
%RSD	4.330	5.418	4.609	4.116	14.43	17.87	40.18	328.1	11.23
#1	-.0012	.0006	.0026	-.0017	-.0020	.0037	-.0003	.0004	-.0063
#2	-.0011	.0005	.0028	-.0016	-.0017	.0029	-.0005	-.0009	-.0073
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	**.0045**	**.0027**	**.0009**	**-.0031**	**-.0000**	**.0028**	**.0003**	**515.0**	**382.2**
Stddev	.0005	.0001	.0020	.0030	.0029	.0016	.0001	1.1	2.9
%RSD	11.80	3.562	218.3	97.25	148500.	56.83	31.73	.2084	.7520
#1	.0049	.0026	-.0005	-.0010	-.0020	.0040	.0004	515.8	384.3
#2	.0042	.0028	.0024	-.0052	.0020	.0017	.0002	514.3	380.2
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	**192.8**	**524.9**	**.0058**	**-.0166**	**-.0014**	**.0001**	**-.0333**	**-.0037**	**-.0047**
Stddev	.2	.3	.0055	.0020	.0014	.0000	.0001	.0018	.0002
%RSD	.1113	.0504	95.16	11.84	102.0	3.818	.2032	49.09	4.389
#1	192.6	524.7	.0019	-.0152	-.0004	.0001	-.0334	-.0024	-.0048
#2	192.9	525.1	.0097	-.0180	-.0024	.0001	-.0333	-.0050	-.0045
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: 6/9/2014 20:26:28 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0020**	**-.0466**	**-.0018**	**-.0159**	**.0221**	**.0044**
Stddev	.0001	.0001	.0001	.0000	.0007	.0016	.0003
%RSD	2.675	4.256	.1818	.4904	4.116	7.327	6.422
#1	-.0046	.0021	-.0466	-.0018	-.0164	.0210	.0042
#2	-.0045	.0020	-.0465	-.0018	-.0154	.0233	.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	**67088.**	**13520.**	**2091.7**	**2927.2**
Stddev	146.	48.	9.2	10.3
%RSD	.21731	.35374	.43972	.35253
#1	67191.	13486.	2098.2	2934.5
#2	66985.	13554.	2085.2	2919.9

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/9/2014 20:32:39 Type: QC
Method: Accutest1(v365) 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	**.5229**	**.5185**	**1.087**	**.5094**	**.5123**	**.5622**	**.5446**	**1.012**
Stddev	.0258	.0267	.004	.0013	.0029	.0013	.0028	.005
%RSD	4.928	5.141	.3221	.2602	.5703	.2390	.5177	.4558
#1	.5411	.5374	1.084	.5085	.5143	.5612	.5466	1.009
#2	.5046	.4997	1.089	.5104	.5102	.5631	.5426	1.015
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	**1.104**	**.5036**	**1.044**	**1.177**	**1.004**	**1.013**	**1.158**	**1.081**
Stddev	.005	.0036	.005	.006	.006	.001	.001	.008
%RSD	.4173	.7200	.5295	.5469	.6055	.0659	.0585	.7314
#1	1.107	.5062	1.040	1.172	.9995	1.013	1.158	1.075
#2	1.100	.5010	1.048	1.181	1.008	1.014	1.159	1.086
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	**523.9**	**388.0**	**198.1**	**527.9**	**.0261**	**-.0175**	**.0024**	**.5380**
Stddev	23.8	25.0	9.9	26.7	.0143	.0069	.0008	.0017
%RSD	4.548	6.447	5.015	5.051	54.70	39.57	33.21	.3174
#1	540.8	405.7	205.1	546.8	.0363	-.0224	.0018	.5368
#2	507.1	370.3	191.1	509.1	.0160	-.0126	.0029	.5392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/9/2014 20:32:39 Type: QC
Method: Accutest1(v365) 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	**.5340**	**-.0036**	**-.0043**	**-.0047**	**.0018**	**.5575**	F **-.0013**	**.5169**
Stddev	.0045	.0017	.0007	.0005	.0000	.0050	.0005	.0086
%RSD	.8509	47.98	17.07	9.758	.1765	.8918	35.10	1.658
#1	.5308	-.0048	-.0048	-.0051	.0018	.5540	-.0010	.5108
#2	.5372	-.0024	-.0038	-.0044	.0018	.5610	-.0016	.5230
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	**.5725**	F **.6030**
Stddev	.0008	.0286
%RSD	.1425	4.737
#1	.5719	.6232
#2	.5731	.5828
Check ?	Chk Pass	Chk Fail
Value		.5000
Range		20.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**66811.**	**13336.**	**2085.7**	**2923.9**
Stddev	221.	592.	6.7	5.9
%RSD	.33115	4.4353	.32286	.20253
#1	66655.	12918.	2090.5	2928.1
#2	66968.	13755.	2081.0	2919.7

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/9/2014 20:38:40 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**-.0005**	**.0001**	**.0003**	**-.0004**	**.0002**	**-.0002**
Stddev	.0000	.0001	.0002	.0000	.0002	.0002	.0000	.0004	.0001
%RSD	47.71	306.4	239.8	6.712	151.6	73.17	4.660	168.0	39.45
#1	.0001	-.0001	-.0001	-.0006	-.0000	.0002	-.0003	-.0000	-.0002
#2	.0001	.0000	.0002	-.0005	.0002	.0005	-.0004	.0005	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0048**	**.0011**	**.0008**	**.0017**	**.0027**	**.0002**	**.0654**	**.0342**
Stddev	.0001	.0002	.0008	.0016	.0006	.0021	.0006	.0025	.0005
%RSD	92.31	4.054	72.87	212.6	35.58	77.01	337.0	3.864	1.429
#1	-.0001	.0049	.0017	-.0004	.0012	.0012	-.0002	.0636	.0345
#2	-.0000	.0046	.0006	.0019	.0021	.0042	.0006	.0671	.0338

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0551**	**.0324**	**.0425**	**.0016**	**.0044**	**-.0003**	**.0099**	**10.45**	**-.0016**
Stddev	.0023	.0123	.0048	.0044	.0001	.0003	.0003	.05	.0003
%RSD	4.211	38.13	11.24	269.6	3.077	80.43	3.013	.4403	21.10
#1	.0567	.0411	.0391	-.0015	.0043	-.0001	.0097	10.48	-.0014
#2	.0534	.0237	.0459	.0048	.0045	-.0005	.0101	10.42	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0003**	**.0002**	**.0052**	**.0041**	**-.0019**	**.0045**	**.0002**
Stddev	.0000	.0003	.0016	.0008	.0002	.0003	.0003
%RSD	11.70	166.6	31.22	20.44	9.188	7.334	138.0
#1	-.0003	-.0000	.0041	.0047	-.0020	.0047	.0004
#2	-.0003	.0004	.0063	.0035	-.0018	.0042	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77828.**	**14422.**	**2630.3**	**3898.5**
Stddev	936.	114.	16.0	12.6
%RSD	1.2020	.79068	.60673	.32357
#1	78490.	14341.	2619.0	3889.6
#2	77167.	14502.	2641.5	3907.4

Zoom In Zoom Out

Sample Name: mnconf Acquired: 6/9/2014 20:44:43 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0001**	**-.0001**	**-.0000**	**.0024**	**.0018**	**10.44**	**.0004**	**.0017**
Stddev	.0000	.0001	.0001	.0000	.0004	.0003	.03	.0003	.0002
%RSD	13.66	107.8	134.7	12.07	15.54	17.13	.3110	74.28	9.125
#1	.0002	.0000	-.0000	-.0000	.0027	.0020	10.46	.0006	.0016
#2	.0002	.0002	-.0001	-.0000	.0021	.0016	10.41	.0002	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0021**	**.0008**	**-.0029**	**.0018**	**.0054**	**.0008**	**.0011**	**.0095**
Stddev	.0003	.0001	.0005	.0010	.0005	.0002	.0002	.0028	.0012
%RSD	6.281	2.573	62.92	33.78	25.44	2.955	24.35	250.6	12.08
#1	.0057	.0022	.0011	-.0022	.0015	.0055	.0007	-.0008	.0104
#2	.0052	.0021	.0004	-.0036	.0021	.0053	.0010	.0030	.0087

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0156**	**.0220**	**.1595**	**-.0012**	**-.0007**	**-.0009**	**-.0023**	**.0075**	**-.0010**
Stddev	.0043	.0054	.0198	.0029	.0004	.0001	.0010	.0007	.0001
%RSD	27.33	24.67	12.42	243.9	65.41	15.03	44.40	8.944	8.914
#1	.0126	.0182	.1736	-.0032	-.0010	-.0009	-.0016	.0070	-.0010
#2	.0186	.0259	.1455	.0009	-.0004	-.0008	-.0030	.0080	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0003**	**.0035**	**-.0004**	**.0087**	**-.0010**	**-.0001**
Stddev	.0000	.0002	.0010	.0001	.0006	.0002	.0003
%RSD	39.15	84.26	28.91	21.82	7.218	17.59	540.8
#1	-.0000	.0005	.0028	-.0004	.0092	-.0012	-.0003
#2	-.0000	.0001	.0042	-.0003	.0083	-.0009	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78478.**	**14029.**	**2616.7**	**3860.6**
Stddev	182.	164.	5.3	10.6
%RSD	.23209	1.1658	.20383	.27530
#1	78349.	13913.	2620.5	3868.1
#2	78607.	14145.	2612.9	3853.1

Zoom In Zoom Out

Sample Name: moconf Acquired: 6/9/2014 20:50:52 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**.0002**	**.0135**	**-.0011**	**.0020**	**-.0000**	**.0042**	**.0017**
Stddev	.0000	.0001	.0001	.0002	.0001	.0007	.0000	.0003	.0000
%RSD	.4475	73.24	34.42	1.227	6.803	31.94	146.7	6.338	.9036
#1	.0000	-.0002	.0003	.0134	-.0011	.0025	.0000	.0044	.0017
#2	.0000	-.0001	.0002	.0136	-.0012	.0016	-.0001	.0040	.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0081**	**.0065**	**-.0133**	**.0856**	**.0022**	**.0006**	**.0009**	**.0389**	**.0391**
Stddev	.0024	.0000	.0010	.0001	.0004	.0009	.0003	.0023	.0005
%RSD	29.69	.7422	7.718	.1524	15.92	136.6	37.54	5.852	1.387
#1	.0064	.0065	-.0140	.0855	.0025	.0000	.0012	.0405	.0395
#2	.0098	.0065	-.0126	.0857	.0020	.0013	.0007	.0373	.0387

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0214**	**-.0445**	**.0082**	**.0301**	**.0747**	**11.18**	**.0007**	**.0284**	**-.0009**
Stddev	.0023	.0151	.0002	.0019	.0011	.07	.0015	.0006	.0009
%RSD	10.66	33.93	1.958	6.230	1.439	.5912	229.1	2.248	105.2
#1	.0230	-.0551	.0084	.0314	.0739	11.13	.0017	.0279	-.0015
#2	.0197	-.0338	.0081	.0288	.0754	11.22	-.0004	.0288	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0003**	**-.0032**	**.0029**	**.0108**	**-.0028**	**-.0001**
Stddev	.0000	.0002	.0005	.0000	.0001	.0002	.0002
%RSD	31.62	65.36	15.41	.2087	.6535	8.365	447.4
#1	.0001	-.0005	-.0029	.0029	.0109	-.0026	.0001
#2	.0000	-.0002	-.0035	.0029	.0108	-.0030	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80899.**	**14166.**	**2598.0**	**3859.7**
Stddev	1009.	115.	9.9	10.8
%RSD	1.2469	.81065	.38056	.27908
#1	80186.	14247.	2605.0	3867.3
#2	81612.	14084.	2591.0	3852.1

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/9/2014 20:58:09 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.105**	**2.105**	**2.108**	**2.135**	**2.133**	**2.020**	**2.141**	**2.133**	**.2563**
Stddev	.006	.002	.018	.018	.003	.007	.007	.013	.0003
%RSD	.2795	.0923	.8610	.8202	.1442	.3723	.3074	.6221	.1171
#1	2.109	2.106	2.095	2.123	2.136	2.015	2.146	2.124	.2565
#2	2.101	2.104	2.121	2.148	2.131	2.026	2.137	2.142	.2560

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.066**	**2.139**	**2.086**	**2.189**	**2.158**	**2.122**	**2.107**	**40.70**	**41.68**
Stddev	.001	.015	.021	.008	.012	.016	.015	.06	.13
%RSD	.0681	.6817	.9976	.3648	.5508	.7668	.6862	.1493	.3186
#1	2.067	2.129	2.072	2.184	2.149	2.110	2.097	40.75	41.58
#2	2.065	2.150	2.101	2.195	2.166	2.133	2.117	40.66	41.77

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**41.97**	**41.55**	**41.28**	**41.96**	**2.140**	**2.108**	**2.060**	**5.255**	**2.149**
Stddev	.09	.03	.09	.14	.021	.017	.004	.042	.015
%RSD	.2083	.0805	.2241	.3272	.9563	.8208	.2016	.7953	.7131
#1	41.91	41.57	41.35	42.06	2.125	2.096	2.057	5.226	2.138
#2	42.03	41.52	41.22	41.86	2.154	2.121	2.063	5.285	2.160

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.124**	**2.108**	**1.981**	**2.076**	**2.053**	**2.073**	**2.058**
Stddev	.001	.004	.051	.003	.015	.020	.012
%RSD	.0614	.2132	2.578	.1342	.7055	.9547	.5874
#1	2.125	2.112	1.945	2.074	2.043	2.059	2.066
#2	2.123	2.105	2.017	2.078	2.064	2.087	2.049

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75047.**	**13992.**	**2427.0**	**3444.7**
Stddev	314.	79.	20.0	24.4
%RSD	.41847	.56625	.82425	.70870
#1	74825.	14048.	2441.2	3461.9
#2	75270.	13936.	2412.9	3427.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 21:05:26 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.068**	**2.073**	**2.070**	**2.098**	**2.084**	**1.977**	**2.089**	**2.092**	**.2550**
Stddev	.003	.003	.014	.017	.013	.006	.008	.017	.0002
%RSD	.1575	.1655	.6770	.7928	.5993	.2939	.3989	.8212	.0959
#1	2.070	2.075	2.060	2.087	2.076	1.982	2.083	2.080	.2551
#2	2.066	2.070	2.080	2.110	2.093	1.973	2.095	2.104	.2548
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**	**2.107**	**2.048**	**2.146**	**2.115**	**2.063**	**2.067**	**39.87**	**40.92**
Stddev	.006	.021	.020	.017	.017	.012	.010	.13	.11
%RSD	.2827	.9833	.9646	.7991	.7787	.5999	.4857	.3278	.2671
#1	2.023	2.092	2.034	2.134	2.104	2.055	2.060	39.97	40.85
#2	2.031	2.121	2.062	2.158	2.127	2.072	2.074	39.78	41.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.99**	**40.92**	**40.70**	**41.05**	**2.091**	**2.066**	**2.018**	**5.157**	**2.106**
Stddev	.06	.10	.03	.08	.014	.017	.007	.038	.015
%RSD	.1351	.2536	.0731	.1925	.6701	.8328	.3737	.7358	.6948
#1	40.95	40.85	40.72	41.11	2.081	2.054	2.024	5.130	2.095
#2	41.03	40.99	40.68	41.00	2.101	2.079	2.013	5.184	2.116
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: 6/9/2014 21:05:26 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.079**	**2.072**	**2.042**	**2.043**	**2.029**	**2.024**	**2.025**
Stddev	.001	.003	.029	.002	.009	.014	.008
%RSD	.0608	.1654	1.426	.1184	.4260	.7011	.4112
#1	2.080	2.070	2.021	2.042	2.023	2.014	2.031
#2	2.078	2.074	2.062	2.045	2.036	2.034	2.019
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	**75299.**	**14125.**	**2436.7**	**3460.1**
Stddev	384.	65.	18.5	24.4
%RSD	.50945	.46233	.75874	.70416
#1	75570.	14171.	2449.8	3477.3
#2	75027.	14079.	2423.6	3442.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 21:11:15 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0000**	**.0002**	**.0001**	**.0013**	**.0002**	**-.0001**	**.0003**
Stddev	.0000	.0001	.0002	.0001	.0002	.0002	.0000	.0003	.0001
%RSD	6.521	27.33	515.3	34.90	121.6	19.30	5.464	637.0	25.74
#1	.0003	.0002	.0002	.0002	.0002	.0015	.0002	.0002	.0004
#2	.0004	.0002	-.0001	.0001	.0000	.0011	.0002	-.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0003**	**.0000**	**.0004**	**-.0006**	**.0012**	**.0090**	**.0063**
Stddev	.0006	.0002	.0008	.0002	.0014	.0008	.0001	.0046	.0018
%RSD	1431.	93.46	266.7	1561.	306.9	134.6	9.135	51.12	28.01
#1	.0004	.0003	-.0003	-.0001	-.0005	-.0000	.0012	.0057	.0050
#2	-.0004	.0001	.0009	.0002	.0014	-.0011	.0011	.0122	.0075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	**.0050**	**-.0004**	**.0085**	**.0015**	**.0019**	**-.0004**	**.0085**	**-.0004**
Stddev	.0017	.0060	.0001	.0042	.0000	.0004	.0005	.0006	.0008
%RSD	17.77	119.5	21.26	49.14	2.562	22.81	135.4	6.488	201.6	
#1	.0083	.0093	-.0005	.0056	.0014	.0022	-.0008	.0089	-.0010
#2	.0108	.0008	-.0004	.0115	.0015	.0016	-.0000	.0081	.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: 6/9/2014 21:11:15 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0239**	**.0014**	**-.0037**	**-.0011**	**-.0000**
Stddev	.0001	.0003	.0035	.0000	.0013	.0001	.0007
%RSD	65.11	122.3	14.83	2.090	35.87	5.522	2691.
#1	.0001	.0000	.0264	.0014	-.0028	-.0010	-.0005
#2	.0002	.0004	.0214	.0013	-.0046	-.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	**79404.**	**14293.**	**2590.7**	**3887.2**
Stddev	8.	300.	19.2	23.5
%RSD	.00972	2.1010	.74224	.60448
#1	79410.	14505.	2604.3	3903.8
#2	79399.	14081.	2577.1	3870.6

Zoom In Zoom Out

Sample Name: jb68366-1a Acquired: 6/9/2014 21:17:20 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3384**	**.0034**	**.0013**	**.0318**	**.0727**	**.0192**	**2.921**	**.0676**	**.0020**
Stddev	.0001	.0000	.0003	.0003	.0009	.0001	.003	.0002	.0001
%RSD	.0401	.6882	25.12	1.007	1.273	.6764	.0924	.2221	6.237
#1	.3385	.0034	.0016	.0316	.0734	.0191	2.923	.0675	.0019
#2	.3383	.0035	.0011	.0321	.0721	.0193	2.919	.0677	.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1023**	**.1351**	**.0130**	**-.0031**	**.0475**	**-.0002**	**.0027**	**41.54**	**9.362**
Stddev	.0000	.0004	.0006	.0034	.0007	.0006	.0012	.02	.012
%RSD	.0003	.3078	4.978	107.5	1.517	361.2	44.04	.0565	.1237
#1	.1023	.1348	.0135	-.0007	.0470	.0003	.0019	41.56	9.353
#2	.1023	.1354	.0126	-.0055	.0480	-.0006	.0036	41.52	9.370

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**99.63**	**12.46**	**6.851**	**3.941**	**.0421**	**.0017**	**-.0101**	**5.052**	**.0235**
Stddev	.08	.06	.024	.011	.0001	.0002	.0002	.003	.0002
%RSD	.0793	.4788	.3471	.2685	.1457	12.61	1.804	.0548	.6959
#1	99.58	12.41	6.868	3.948	.0421	.0019	-.0100	5.053	.0234
#2	99.69	12.50	6.834	3.934	.0420	.0016	-.0102	5.050	.0236

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0561**	**1.316**	**.0197**	**.0466**	**.1748**	**.0044**	**.0376**
Stddev	.0000	.001	.0014	.0001	.0042	.0017	.0001
%RSD	.0026	.0531	6.866	.1218	2.388	37.51	.3610
#1	.0561	1.317	.0207	.0466	.1719	.0032	.0377
#2	.0561	1.316	.0188	.0466	.1778	.0056	.0375

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78841.**	**14690.**	**2554.1**	**3686.8**
Stddev	194.	58.	5.8	5.2
%RSD	.24598	.39601	.22608	.13970
#1	78703.	14731.	2550.0	3683.2
#2	78978.	14649.	2558.1	3690.4

Zoom In Zoom Out

Sample Name: mp79886-lc2 2 Acquired: 6/9/2014 21:23:16 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.373**	**.6951**	**.8227**	**.3942**	**.6943**	**.3653**	**3.183**	**1.772**	**.2413**
Stddev	.015	.0077	.0059	.0025	.0111	.0049	.050	.013	.0040
%RSD	1.098	1.103	.7126	.6463	1.595	1.349	1.563	.7514	1.637
#1	1.363	.6897	.8186	.3924	.6865	.3618	3.148	1.763	.2386
#2	1.384	.7005	.8269	.3960	.7022	.3688	3.218	1.781	.2441

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6783**	**1.733**	**.8240**	**1.503**	**1.405**	**.9060**	**.6293**	**56.77**	**35.05**
Stddev	.0091	.013	.0033	.013	.011	.0047	.0059	.75	.27
%RSD	1.335	.7228	.4032	.8458	.7976	.5159	.9422	1.321	.7704
#1	.6719	1.724	.8216	1.494	1.397	.9027	.6251	56.24	34.86
#2	.6847	1.741	.8263	1.512	1.412	.9093	.6335	57.30	35.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.81**	**20.96**	**18.26**	**4.128**	**.6930**	**.4667**	**-.0094**	**5.170**	**.6523**
Stddev	.73	.18	.18	.043	.0037	.0030	.0004	.033	.0048
%RSD	.9709	.8666	1.006	1.033	.5274	.6513	4.248	.6445	.7425
#1	74.29	20.83	18.13	4.098	.6904	.4645	-.0096	5.147	.6489
#2	75.32	21.09	18.39	4.159	.6955	.4688	-.0091	5.194	.6558

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6062**	**2.219**	**.0436**	**.0573**	**1.249**	**.0028**	**.0474**
Stddev	.0064	.031	.0017	.0011	.010	.0017	.0012
%RSD	1.062	1.382	3.931	1.919	.7658	62.52	2.437
#1	.6016	2.197	.0448	.0566	1.242	.0040	.0466
#2	.6107	2.241	.0424	.0581	1.256	.0016	.0483

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75886.**	**14911.**	**2493.8**	**3564.8**
Stddev	975.	120.	8.5	12.2
%RSD	1.2843	.80233	.34187	.34176
#1	76575.	14996.	2499.8	3573.5
#2	75197.	14826.	2487.8	3556.2

Zoom In Zoom Out

Sample Name: mp79886-s1 Acquired: 6/9/2014 21:29:04 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.129**	**.1012**	**.0959**	**1.011**	**.5208**	**.5362**	**2.805**	**1.050**	**.0181**
Stddev	.015	.0001	.0001	.002	.0073	.0061	.030	.000	.0007
%RSD	.3572	.0867	.1366	.1462	1.395	1.142	1.063	.0200	3.788
#1	4.118	.1011	.0958	1.012	.5157	.5319	2.784	1.050	.0185
#2	4.139	.1013	.0960	1.010	.5260	.5406	2.826	1.050	.0176

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.117**	**1.261**	**3.791**	**3.805**	**1.107**	**3.846**	**.6168**	**153.1**	**21.26**
Stddev	.011	.002	.015	.003	.001	.016	.0042	.3	.06
%RSD	.9604	.1697	.4031	.0893	.0782	.4156	.6815	.1991	.2866
#1	1.109	1.259	3.801	3.802	1.107	3.857	.6198	152.9	21.21
#2	1.124	1.262	3.780	3.807	1.106	3.835	.6139	153.3	21.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**176.2**	**39.49**	**23.90**	**17.39**	**.9818**	**.9757**	**.4591**	**6.055**	**.9805**
Stddev	.4	.23	.04	.02	.0003	.0018	.0054	.023	.0000
%RSD	.2048	.5821	.1569	.1029	.0260	.1860	1.170	.3855	.0011
#1	176.0	39.32	23.87	17.37	.9820	.9769	.4553	6.071	.9805
#2	176.5	39.65	23.92	17.40	.9816	.9744	.4629	6.038	.9805

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.088**	**5.506**	**.0596**	**.0525**	**38.19**	**.0084**	**.1042**
Stddev	.004	.060	.0004	.0006	.10	.0003	.0004
%RSD	.3725	1.098	.6653	1.160	.2625	3.020	.4119
#1	1.085	5.463	.0599	.0521	38.26	.0086	.1045
#2	1.091	5.549	.0593	.0529	38.12	.0082	.1038

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	78703.	15003.	2480.0	3512.8
Stddev	769.	40.	10.7	10.8
%RSD	.97656	.26510	.42970	.30837
#1	79246.	14975.	2472.5	3505.2
#2	78159.	15031.	2487.6	3520.5

Zoom In Zoom Out

Sample Name: mp79886-s2 Acquired: 6/9/2014 21:34:51 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.071**	**.1002**	**.0955**	**1.000**	**.4819**	**.4974**	**2.636**	**1.027**	**.0175**
Stddev	.033	.0003	.0008	.004	.0113	.0135	.050	.004	.0007
%RSD	.8185	.3383	.8736	.4259	2.351	2.707	1.899	.3667	3.895
#1	4.047	.0999	.0961	1.003	.4739	.4879	2.601	1.029	.0180
#2	4.094	.1004	.0949	.9971	.4899	.5070	2.671	1.024	.0170

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.062**	**1.182**	**3.764**	**3.828**	**1.078**	**3.823**	**.6611**	**126.7**	**22.83**
Stddev	.022	.004	.018	.017	.005	.024	.0044	1.0	.15
%RSD	2.041	.3138	.4852	.4420	.4896	.6186	.6580	.7539	.6750
#1	1.047	1.184	3.777	3.840	1.082	3.840	.6642	126.1	22.73
#2	1.077	1.179	3.751	3.816	1.074	3.806	.6581	127.4	22.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**163.3**	**33.76**	**20.98**	**16.74**	**.9754**	**.9658**	**.4560**	**5.822**	**.9674**
Stddev	1.1	.13	.20	.14	.0076	.0057	.0107	.037	.0067
%RSD	.6646	.3964	.9664	.8302	.7780	.5905	2.353	.6397	.6882
#1	162.5	33.67	20.84	16.64	.9808	.9698	.4484	5.849	.9721
#2	164.1	33.86	21.12	16.84	.9700	.9617	.4635	5.796	.9627

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.096**	**4.400**	**.0542**	**.0453**	**35.82**	**.0090**	**.0777**
Stddev	.008	.080	.0016	.0008	.21	.0008	.0011
%RSD	.7204	1.826	2.866	1.825	.5727	9.123	1.441
#1	1.090	4.344	.0553	.0447	35.97	.0084	.0769
#2	1.102	4.457	.0531	.0458	35.68	.0096	.0785

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	79991.	15076.	2485.2	3505.3
Stddev	1367.	59.	16.7	17.1
%RSD	1.7092	.38824	.67297	.48796
#1	80958.	15117.	2473.4	3493.2
#2	79024.	15034.	2497.1	3517.4

Zoom In Zoom Out

Sample Name: jb68100-13a Acquired: 6/9/2014 21:40:39 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2595**	**.0047**	**.0016**	**.0455**	**.1096**	**.0607**	**2.506**	**.0807**	**.0061**
Stddev	.0069	.0002	.0001	.0009	.0036	.0010	.052	.0010	.0012
%RSD	2.652	4.129	3.900	2.036	3.276	1.699	2.084	1.270	20.30
#1	.2643	.0048	.0017	.0448	.1070	.0600	2.469	.0800	.0070
#2	.2546	.0045	.0016	.0461	.1121	.0614	2.543	.0815	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1700**	**.2363**	**.0310**	**-.0049**	**.1208**	**.0046**	**.0035**	**68.91**	**20.52**
Stddev	.0036	.0021	.0004	.0011	.0009	.0019	.0003	1.75	.53
%RSD	2.102	.8692	1.222	22.85	.7377	40.27	7.706	2.536	2.575
#1	.1674	.2349	.0313	-.0057	.1202	.0059	.0037	70.14	20.89
#2	.1725	.2378	.0307	-.0041	.1214	.0033	.0033	67.67	20.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.0**	**22.03**	**7.362**	**3.853**	**.0452**	**.0035**	**-.0082**	**4.051**	**.0351**
Stddev	2.7	.61	.199	.094	.0002	.0000	.0020	.035	.0002
%RSD	2.414	2.783	2.704	2.432	.4474	.4565	23.83	.8610	.5522
#1	114.9	22.47	7.503	3.919	.0453	.0035	-.0068	4.026	.0349
#2	111.1	21.60	7.222	3.787	.0450	.0035	-.0096	4.076	.0352

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1162**	**3.638**	**.0002**	**.0292**	**30.41**	**.0032**	**.0762**
Stddev	.0025	.072	.0010	.0004	.28	.0018	.0015
%RSD	2.152	1.975	587.9	1.405	.9137	57.83	2.020
#1	.1179	3.587	-.0006	.0290	30.21	.0045	.0773
#2	.1144	3.689	.0009	.0295	30.61	.0019	.0752

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79747.**	**15110.**	**2535.3**	**3671.3**
Stddev	1337.	370.	16.4	24.4
%RSD	1.6763	2.4514	.64873	.66481
#1	80692.	14848.	2547.0	3688.6
#2	78802.	15372.	2523.7	3654.1

Zoom In Zoom Out

Sample Name: mp79886-sd1 Acquired: 6/9/2014 21:46:34 Type: Unk
Method: Accutest1(v365) 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	**.2732**	**.0048**	**.0016**	**.0459**	**.1133**	**.0693**	**2.611**	**.0819**	**.0087**
Stddev	.0003	.0000	.0003	.0010	.0036	.0002	.003	.0011	.0026
%RSD	.0953	.4074	19.45	2.144	3.168	.2805	.1049	1.323	30.42
#1	.2734	.0048	.0018	.0453	.1158	.0695	2.613	.0811	.0105
#2	.2730	.0048	.0014	.0466	.1108	.0692	2.609	.0826	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1736**	**.2619**	**.0314**	**-.0115**	**.1224**	**.0056**	**.0025**	**70.87**	**22.32**
Stddev	.0012	.0006	.0060	.0004	.0024	.0006	.0017	.04	.06
%RSD	.6822	.2231	19.02	3.778	1.958	10.65	68.50	.0619	.2684
#1	.1727	.2623	.0271	-.0112	.1207	.0052	.0037	70.90	22.36
#2	.1744	.2615	.0356	-.0118	.1241	.0060	.0013	70.84	22.28

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**121.2**	**22.78**	**7.525**	**3.981**	**.0571**	**.0016**	**-.0089**	**4.322**	**.0298**
Stddev	.3	.01	.077	.028	.0002	.0000	.0060	.018	.0014
%RSD	.2635	.0289	1.029	.7122	.4260	.7026	66.82	.4097	4.753
#1	121.4	22.78	7.470	3.961	.0572	.0016	-.0131	4.310	.0288
#2	121.0	22.77	7.580	4.001	.0569	.0016	-.0047	4.335	.0308

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1215**	**3.735**	**-.0332**	**.0280**	**30.79**	**-.0066**	**.0802**
Stddev	.0001	.002	.0028	.0005	.11	.0042	.0011
%RSD	.0775	.0617	8.556	1.773	.3574	63.45	1.355
#1	.1215	3.737	-.0312	.0276	30.71	-.0096	.0810
#2	.1216	3.734	-.0352	.0283	30.87	-.0037	.0794

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78428.**	**14435.**	**2575.2**	**3825.6**
Stddev	14.	31.	7.4	12.5
%RSD	.01750	.21795	.28846	.32592
#1	78418.	14412.	2580.5	3834.4
#2	78437.	14457.	2570.0	3816.8

Zoom In Zoom Out

Sample Name: jb67976-1 Acquired: 6/9/2014 21:52:32 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3214**	**.0033**	**.0017**	**.0430**	**.1201**	**.1100**	**2.195**	**.2138**	**.0057**
Stddev	.0004	.0000	.0001	.0003	.0001	.0004	.002	.0021	.0001
%RSD	.1223	.0748	7.146	.6109	.0641	.3796	.0822	.9827	1.605
#1	.3217	.0033	.0018	.0428	.1200	.1097	2.193	.2123	.0058
#2	.3211	.0033	.0016	.0432	.1201	.1103	2.196	.2152	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1592**	**.2088**	**.0182**	**-.0071**	**.0443**	**.0037**	**.0052**	**37.47**	**13.92**
Stddev	.0003	.0018	.0005	.0004	.0009	.0022	.0008	.03	.01
%RSD	.2177	.8710	2.590	5.744	2.075	58.51	15.36	.0731	.1032
#1	.1594	.2075	.0179	-.0068	.0436	.0053	.0058	37.49	13.91
#2	.1590	.2101	.0185	-.0074	.0449	.0022	.0046	37.45	13.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**93.16**	**27.71**	**10.13**	**2.086**	**.0260**	**.0032**	**-.0103**	**4.739**	**.0355**
Stddev	.06	.05	.02	.002	.0005	.0003	.0010	.026	.0001
%RSD	.0671	.1854	.1739	.0949	1.887	8.962	9.297	.5524	.3871
#1	93.20	27.75	10.14	2.087	.0263	.0034	-.0110	4.720	.0356
#2	93.11	27.67	10.11	2.085	.0257	.0030	-.0096	4.757	.0354

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0487**	**3.338**	**.0045**	**.0360**	**.3164**	**.0024**	**.0655**
Stddev	.0001	.003	.0008	.0003	.0017	.0004	.0009
%RSD	.2264	.0881	18.78	.7374	.5428	17.55	1.401
#1	.0487	3.340	.0039	.0362	.3152	.0027	.0662
#2	.0488	3.336	.0051	.0358	.3176	.0021	.0649

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78859.**	**14757.**	**2527.3**	**3633.0**
Stddev	364.	39.	11.4	16.7
%RSD	.46130	.26455	.44908	.46092
#1	78602.	14785.	2535.3	3644.9
#2	79116.	14730.	2519.3	3621.2

Zoom In Zoom Out

Sample Name: jb67976-2 Acquired: 6/9/2014 21:58:30 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4059**	**.0040**	**.0019**	**.0535**	**.1596**	**.1028**	**1.863**	**.2771**	**.0062**
Stddev	.0008	.0000	.0002	.0001	.0008	.0015	.004	.0008	.0008
%RSD	.1872	.8152	8.518	.1191	.4748	1.413	.2244	.2826	13.30
#1	.4064	.0040	.0020	.0535	.1590	.1039	1.860	.2777	.0068
#2	.4053	.0040	.0017	.0536	.1601	.1018	1.866	.2766	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1982**	**.2593**	**.0201**	**-.0064**	**.0602**	**.0013**	**.0048**	**47.02**	**23.61**
Stddev	.0009	.0003	.0008	.0001	.0003	.0006	.0005	.07	.01
%RSD	.4626	.1260	3.925	2.297	.5803	48.44	9.840	.1466	.0307
#1	.1975	.2591	.0207	-.0063	.0599	.0009	.0051	47.07	23.61
#2	.1988	.2596	.0196	-.0065	.0604	.0018	.0044	46.97	23.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**104.3**	**34.13**	**11.02**	**1.705**	**.0332**	**.0014**	**-.0139**	**3.963**	**.0341**
Stddev	.0	.03	.03	.008	.0007	.0000	.0006	.017	.0006
%RSD	.0321	.0901	.2913	.4446	1.970	3.227	4.665	.4155	1.701
#1	104.3	34.11	10.99	1.710	.0337	.0014	-.0134	3.975	.0336
#2	104.3	34.15	11.04	1.699	.0327	.0014	-.0144	3.952	.0345

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0737**	**3.492**	**.0002**	**.0394**	**.2101**	**.0025**	**.0748**
Stddev	.0000	.002	.0025	.0001	.0003	.0019	.0002
%RSD	.0536	.0648	1445.	.2135	.1442	77.59	.2261
#1	.0737	3.490	-.0016	.0394	.2103	.0011	.0749
#2	.0738	3.493	.0020	.0393	.2099	.0038	.0747

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78367.**	**14827.**	**2516.7**	**3593.5**
Stddev	179.	24.	4.2	4.8
%RSD	.22878	.16385	.16635	.13379
#1	78494.	14810.	2513.8	3590.1
#2	78241.	14844.	2519.7	3596.9

Zoom In Zoom Out

Sample Name: jb67976-3 Acquired: 6/9/2014 22:04:28 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2923**	**.0033**	**.0017**	**.0470**	**.1462**	**.0766**	**1.865**	**.3122**	**.0062**
Stddev	.0003	.0001	.0003	.0003	.0007	.0005	.011	.0012	.0009
%RSD	.1116	2.161	15.72	.5381	.4960	.6430	.5708	.3977	15.05
#1	.2925	.0032	.0015	.0468	.1467	.0769	1.872	.3113	.0055
#2	.2921	.0033	.0018	.0472	.1457	.0762	1.857	.3131	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1409**	**.2012**	**.0211**	**-.0056**	**.0426**	**.0029**	**.0023**	**36.24**	**13.63**
Stddev	.0003	.0013	.0005	.0000	.0004	.0009	.0001	.02	.04
%RSD	.2279	.6566	2.151	.0557	.8528	32.18	5.566	.0545	.3162
#1	.1411	.2003	.0207	-.0056	.0428	.0036	.0024	36.23	13.67
#2	.1406	.2021	.0214	-.0056	.0423	.0023	.0022	36.25	13.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.88**	**38.31**	**10.30**	**2.273**	**.0325**	**.0013**	**-.0101**	**4.429**	**.0362**
Stddev	.17	.02	.00	.003	.0003	.0001	.0006	.024	.0002
%RSD	.1888	.0623	.0354	.1107	1.069	8.366	5.548	.5430	.6245
#1	91.00	38.29	10.30	2.272	.0327	.0013	-.0105	4.412	.0360
#2	90.76	38.33	10.30	2.275	.0322	.0014	-.0097	4.446	.0363

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0529**	**3.415**	**.0026**	**.0317**	**.6419**	**-.0014**	**.0615**
Stddev	.0001	.007	.0009	.0000	.0026	.0007	.0001
%RSD	.1436	.1981	33.62	.1104	.4059	51.06	.1969
#1	.0530	3.419	.0032	.0318	.6400	-.0019	.0616
#2	.0529	3.410	.0020	.0317	.6437	-.0009	.0614

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78375.**	**14720.**	**2507.7**	**3607.3**
Stddev	24.	105.	9.1	11.2
%RSD	.03046	.71409	.36398	.30966
#1	78358.	14646.	2514.2	3615.2
#2	78392.	14794.	2501.3	3599.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 22:10:27 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.105**	**2.076**	**2.116**	**2.111**	**2.113**	**2.000**	**2.020**	**2.083**	**.2582**
Stddev	.004	.004	.008	.008	.006	.001	.005	.011	.0004
%RSD	.1916	.1763	.3850	.3962	.3094	.0331	.2330	.5051	.1531
#1	2.108	2.079	2.110	2.105	2.109	2.000	2.016	2.075	.2580
#2	2.102	2.074	2.122	2.117	2.118	2.000	2.023	2.090	.2585
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	**2.067**	**2.128**	**2.063**	**2.133**	**2.105**	**2.082**	**2.108**	**39.47**	**41.79**
Stddev	.004	.013	.008	.008	.010	.003	.008	.06	.15
%RSD	.1939	.6160	.3933	.3542	.4688	.1570	.3940	.1534	.3498
#1	2.064	2.119	2.057	2.127	2.098	2.080	2.102	39.43	41.89
#2	2.070	2.137	2.068	2.138	2.112	2.085	2.114	39.52	41.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.30**	**41.41**	**41.36**	**41.66**	**2.118**	**2.076**	**2.057**	**5.266**	**2.109**
Stddev	.00	.17	.02	.05	.006	.009	.003	.015	.007
%RSD	.0032	.4186	.0580	.1083	.2772	.4369	.1287	.2911	.3306
#1	41.30	41.29	41.34	41.70	2.114	2.069	2.058	5.255	2.104
#2	41.30	41.53	41.38	41.63	2.122	2.082	2.055	5.277	2.114
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: 6/9/2014 22:10:27 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.120**	**2.080**	**1.964**	**2.071**	**2.062**	**2.049**	**2.045**
Stddev	.004	.002	.030	.003	.005	.001	.004
%RSD	.1885	.1141	1.507	.1276	.2404	.0689	.1886
#1	2.122	2.082	1.943	2.069	2.059	2.048	2.048
#2	2.117	2.078	1.985	2.073	2.066	2.050	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74268.**	**14101.**	**2386.7**	**3451.3**
Stddev	134.	36.	9.6	13.7
%RSD	.18090	.25850	.40033	.39690
#1	74363.	14127.	2393.4	3460.9
#2	74173.	14076.	2379.9	3441.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 22:16:16 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**.0000**	**-.0000**	**-.0002**	F **.0025**	**-.0000**	**-.0003**	**.0000**
Stddev	.0001	.0001	.0000	.0000	.0004	.0003	.0000	.0001	.0000
%RSD	76.19	68.45	58.01	49.46	257.6	11.64	8492.	34.45	141.8
#1	-.0002	-.0000	.0000	-.0000	-.0004	.0027	-.0000	-.0004	-.0000
#2	-.0001	-.0001	.0001	-.0000	.0001	.0023	.0000	-.0002	.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	**-.0002**	**-.0000**	**.0008**	**-.0007**	**-.0002**	**-.0012**	**.0006**	**-.0040**	**.0084**
Stddev	.0003	.0002	.0005	.0017	.0007	.0001	.0003	.0010	.0014
%RSD	129.5	1840.	60.79	231.5	349.8	11.21	54.01	23.82	17.12
#1	-.0004	.0001	.0005	-.0020	-.0007	-.0013	.0004	-.0033	.0074
#2	-.0000	-.0001	.0012	.0005	.0003	-.0011	.0009	-.0047	.0094
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**	**.0188**	**.0036**	**.0030**	**.0004**	**.0009**	**-.0012**	**.0046**	**-.0010**
Stddev	.0025	.0191	.0049	.0011	.0001	.0004	.0007	.0006	.0005
%RSD	94.83	101.7	135.8	37.78	12.75	43.14	58.80	13.76	55.88
#1	.0009	.0053	.0070	.0038	.0004	.0012	-.0007	.0041	-.0013
#2	.0043	.0323	.0001	.0022	.0005	.0006	-.0017	.0050	-.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: 6/9/2014 22:16:16 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0127**	**.0006**	**-.0030**	**-.0015**	**.0014**
Stddev	.0000	.0001	.0021	.0001	.0008	.0005	.0000
%RSD	36.29	37.21	16.66	22.73	26.73	35.45	.9865
#1	.0001	.0003	.0142	.0007	-.0036	-.0011	.0014
#2	.0000	.0002	.0112	.0005	-.0024	-.0019	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77648.**	**14250.**	**2523.6**	**3858.0**
Stddev	217.	6.	20.9	33.8
%RSD	.27903	.04218	.82770	.87599
#1	77495.	14246.	2538.4	3881.9
#2	77802.	14255.	2508.9	3834.1

Zoom In Zoom Out

Sample Name: jb67976-4 Acquired: 6/9/2014 22:22:21 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3201**	**.0038**	**.0017**	**.0506**	**.1330**	**.0988**	**1.360**	**.3287**	**.0064**
Stddev	.0003	.0000	.0002	.0001	.0013	.0004	.002	.0001	.0005
%RSD	.0903	.0333	10.80	.2394	.9748	.4221	.1308	.0426	8.322
#1	.3203	.0038	.0016	.0507	.1339	.0985	1.361	.3288	.0067
#2	.3199	.0038	.0018	.0505	.1321	.0991	1.359	.3286	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1823**	**.2451**	**.0188**	**-.0064**	**.0515**	**.0012**	**.0034**	**45.38**	**13.60**
Stddev	.0007	.0001	.0002	.0014	.0013	.0012	.0003	.09	.01
%RSD	.4098	.0523	1.169	22.56	2.429	94.60	8.451	.1961	.0556
#1	.1818	.2452	.0187	-.0054	.0506	.0021	.0036	45.44	13.60
#2	.1828	.2451	.0190	-.0075	.0524	.0004	.0032	45.31	13.59

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**115.7**	**37.29**	**10.10**	**1.556**	**.0303**	**.0014**	**-.0137**	**4.454**	**.0309**
Stddev	.3	.04	.03	.004	.0000	.0000	.0002	.009	.0002
%RSD	.2537	.0969	.2771	.2348	.0758	2.868	1.597	.1948	.4940
#1	115.9	37.26	10.08	1.553	.0303	.0014	-.0135	4.448	.0310
#2	115.5	37.31	10.12	1.558	.0303	.0014	-.0138	4.460	.0308

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0558**	**3.327**	**.0097**	**.0357**	**.3130**	**.0058**	**.0771**
Stddev	.0000	.001	.0012	.0003	.0023	.0015	.0007
%RSD	.0650	.0149	12.47	.7400	.7345	25.02	.9316
#1	.0558	3.327	.0105	.0356	.3114	.0048	.0766
#2	.0558	3.327	.0088	.0359	.3147	.0068	.0776

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78294.**	**14792.**	**2514.9**	**3635.4**
Stddev	205.	53.	8.0	9.0
%RSD	.26244	.36062	.31927	.24794
#1	78440.	14754.	2520.6	3641.8
#2	78149.	14830.	2509.2	3629.0

Zoom In Zoom Out

Sample Name: jb67976-5 Acquired: 6/9/2014 22:28:17 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3789**	**.0042**	**.0019**	**.0474**	**.1350**	**.0893**	**1.355**	**.2338**	**.0068**
Stddev	.0010	.0000	.0000	.0003	.0003	.0003	.001	.0008	.0002
%RSD	.2716	.4773	.0099	.6556	.2148	.3076	.0485	.3607	3.263
#1	.3782	.0042	.0019	.0472	.1352	.0891	1.356	.2332	.0069
#2	.3797	.0042	.0019	.0476	.1348	.0895	1.355	.2344	.0066

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1795**	**.2636**	**.0308**	**-.0075**	**.0587**	**.0019**	**.0038**	**53.59**	**15.52**
Stddev	.0002	.0010	.0000	.0006	.0001	.0008	.0028	.18	.03
%RSD	.0948	.3837	.0733	7.844	.1571	44.32	73.54	.3423	.1666
#1	.1794	.2629	.0308	-.0071	.0586	.0025	.0057	53.46	15.50
#2	.1796	.2643	.0308	-.0080	.0587	.0013	.0018	53.72	15.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**103.3**	**26.84**	**10.78**	**1.381**	**.0385**	**.0023**	**-.0128**	**3.780**	**.0297**
Stddev	.3	.14	.05	.010	.0002	.0001	.0005	.012	.0003
%RSD	.2987	.5248	.4514	.7533	.3936	2.692	4.231	.3090	.9156
#1	103.1	26.74	10.75	1.373	.0386	.0023	-.0124	3.772	.0299
#2	103.5	26.94	10.82	1.388	.0384	.0023	-.0132	3.789	.0295

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0557**	**3.404**	**.0050**	**.0409**	**1.340**	**.0026**	**.0839**
Stddev	.0002	.006	.0013	.0003	.001	.0007	.0001
%RSD	.2773	.1799	26.61	.6230	.0442	26.36	.1641
#1	.0556	3.409	.0041	.0407	1.340	.0031	.0840
#2	.0558	3.400	.0059	.0411	1.339	.0021	.0838

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78009.**	**14789.**	**2483.1**	**3588.9**
Stddev	62.	24.	6.4	7.9
%RSD	.07948	.15964	.25774	.22023
#1	78052.	14805.	2487.6	3594.5
#2	77965.	14772.	2478.6	3583.3

Zoom In Zoom Out

Sample Name: jb67976-8 Acquired: 6/9/2014 22:34:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3004**	**.0030**	**.0016**	**.0392**	**.1213**	**.0722**	**4.801**	**.1845**	**.0075**
Stddev	.0004	.0000	.0001	.0001	.0004	.0006	.007	.0007	.0002
%RSD	.1173	.6831	5.871	.2206	.3147	.8843	.1373	.4023	2.557
#1	.3007	.0029	.0017	.0392	.1211	.0718	4.806	.1850	.0076
#2	.3002	.0030	.0015	.0391	.1216	.0727	4.797	.1840	.0074

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1999**	**.2273**	**.0193**	**-.0072**	**.0450**	**.0037**	**.0054**	**36.27**	**16.94**
Stddev	.0005	.0014	.0011	.0004	.0016	.0023	.0013	.10	.00
%RSD	.2499	.6032	5.591	5.886	3.662	62.90	23.33	.2751	.0164
#1	.1996	.2283	.0185	-.0069	.0439	.0053	.0063	36.34	16.94
#2	.2003	.2263	.0201	-.0075	.0462	.0020	.0045	36.20	16.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.00**	**27.07**	**8.664**	**1.086**	**.0227**	**.0006**	**-.0112**	**3.807**	**.0309**
Stddev	.02	.06	.013	.003	.0003	.0001	.0005	.015	.0004
%RSD	.0259	.2287	.1446	.3071	1.250	11.87	4.274	.3957	1.305
#1	85.99	27.02	8.673	1.084	.0229	.0005	-.0116	3.817	.0306
#2	86.02	27.11	8.656	1.088	.0225	.0006	-.0109	3.796	.0312

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0524**	**3.087**	**.0054**	**.0307**	**.3932**	**.0008**	**.0644**
Stddev	.0000	.003	.0006	.0001	.0059	.0016	.0007
%RSD	.0745	.0829	10.96	.3657	1.491	207.7	1.108
#1	.0524	3.089	.0050	.0306	.3973	.0019	.0639
#2	.0525	3.085	.0058	.0308	.3891	-.0004	.0649

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79027.**	**14730.**	**2503.6**	**3645.8**
Stddev	153.	6.	7.4	9.3
%RSD	.19306	.04288	.29718	.25527
#1	78920.	14734.	2498.3	3639.2
#2	79135.	14725.	2508.9	3652.4

Zoom In Zoom Out

Sample Name: jb67976-9 Acquired: 6/9/2014 22:40:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3375**	**.0034**	**.0016**	**.0432**	**.1304**	**.0930**	**4.454**	**.1733**	**.0087**
Stddev	.0044	.0001	.0000	.0007	.0029	.0039	.115	.0021	.0014
%RSD	1.291	2.539	1.142	1.590	2.190	4.203	2.572	1.205	15.79
#1	.3406	.0033	.0016	.0427	.1284	.0903	4.373	.1718	.0097
#2	.3345	.0034	.0016	.0437	.1325	.0958	4.535	.1748	.0077

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1604**	**.2348**	**.0153**	**-.0077**	**.0458**	**.0021**	**.0046**	**43.39**	**15.03**
Stddev	.0047	.0028	.0019	.0000	.0003	.0011	.0006	.48	.11
%RSD	2.945	1.176	12.72	.2114	.5772	52.61	13.93	1.101	.7367
#1	.1571	.2328	.0139	-.0077	.0456	.0013	.0042	43.73	15.10
#2	.1638	.2367	.0167	-.0077	.0460	.0029	.0051	43.05	14.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**97.60**	**29.27**	**14.21**	**1.305**	**.0232**	**.0003**	**-.0121**	**3.713**	**.0350**
Stddev	.76	.30	.19	.013	.0011	.0002	.0005	.030	.0000
%RSD	.7778	1.012	1.326	.9913	4.642	51.26	4.372	.7994	.1043
#1	98.13	29.48	14.35	1.314	.0225	.0004	-.0125	3.692	.0350
#2	97.06	29.06	14.08	1.296	.0240	.0002	-.0117	3.734	.0350

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0531**	**3.809**	**.0067**	**.0320**	**.4413**	**.0020**	**.0926**
Stddev	.0005	.098	.0003	.0009	.0017	.0003	.0012
%RSD	.8768	2.572	4.110	2.791	.3923	16.47	1.317
#1	.0535	3.739	.0065	.0314	.4400	.0017	.0934
#2	.0528	3.878	.0069	.0327	.4425	.0022	.0917

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77888.**	**14523.**	**2464.3**	**3575.7**
Stddev	1585.	125.	10.8	17.8
%RSD	2.0354	.86220	.43684	.49819
#1	79009.	14435.	2471.9	3588.3
#2	76767.	14612.	2456.7	3563.1

Zoom In Zoom Out

Sample Name: jb67976-10 Acquired: 6/9/2014 22:46:06 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3912**	**.0041**	**.0019**	**.0611**	**.2236**	**.1096**	**3.491**	**.4446**	**.0095**
Stddev	.0007	.0001	.0000	.0000	.0007	.0001	.004	.0005	.0003
%RSD	.1859	1.858	2.345	.0093	.2915	.0658	.1096	.1147	3.551
#1	.3917	.0041	.0019	.0611	.2240	.1097	3.488	.4442	.0098
#2	.3907	.0042	.0019	.0611	.2231	.1096	3.494	.4449	.0093

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1912**	**.2399**	**.0224**	**-.0095**	**.0633**	**.0028**	**.0065**	**48.03**	**42.98**
Stddev	.0005	.0005	.0013	.0006	.0002	.0005	.0017	.10	.04
%RSD	.2662	.2209	5.687	5.995	.2723	16.67	26.33	.2077	.0836
#1	.1909	.2395	.0215	-.0099	.0635	.0032	.0077	48.10	42.96
#2	.1916	.2403	.0233	-.0091	.0632	.0025	.0053	47.96	43.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**121.6**	**42.27**	**14.21**	**1.745**	**.0288**	**.0007**	**-.0135**	**5.797**	**.0362**
Stddev	.1	.06	.03	.004	.0005	.0001	.0013	.016	.0015
%RSD	.0614	.1509	.2283	.2252	1.870	13.25	9.771	.2714	4.261
#1	121.5	42.22	14.23	1.742	.0284	.0008	-.0125	5.786	.0351
#2	121.6	42.31	14.18	1.747	.0292	.0006	-.0144	5.808	.0373

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0971**	**4.414**	**.0048**	**.0398**	**.4884**	**.0048**	**.0883**
Stddev	.0004	.004	.0000	.0002	.0003	.0014	.0008
%RSD	.3682	.1008	.4448	.5697	.0642	29.38	.9509
#1	.0974	4.410	.0048	.0399	.4887	.0058	.0889
#2	.0969	4.417	.0048	.0396	.4882	.0038	.0877

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77335.**	**14634.**	**2457.6**	**3526.7**
Stddev	161.	43.	.8	1.0
%RSD	.20826	.29432	.03379	.02878
#1	77448.	14603.	2457.0	3526.0
#2	77221.	14664.	2458.2	3527.4

Zoom In Zoom Out

Sample Name: jb67976-11 Acquired: 6/9/2014 22:52:03 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3202**	**.0033**	**.0017**	**.0369**	**.0965**	**.0918**	**3.501**	**.1862**	**.0063**
Stddev	.0002	.0000	.0000	.0000	.0001	.0001	.014	.0001	.0003
%RSD	.0614	.8344	.7066	.1189	.1469	.1399	.4124	.0639	5.537
#1	.3204	.0033	.0017	.0369	.0966	.0917	3.511	.1863	.0060
#2	.3201	.0032	.0017	.0369	.0964	.0919	3.491	.1861	.0065

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1395**	**.2016**	**.0199**	**-.0066**	**.0468**	**.0011**	**.0031**	**39.68**	**12.51**
Stddev	.0006	.0007	.0011	.0014	.0007	.0002	.0005	.10	.02
%RSD	.4040	.3261	5.649	21.69	1.526	15.97	15.53	.2525	.1252
#1	.1399	.2012	.0207	-.0076	.0473	.0009	.0028	39.75	12.52
#2	.1391	.2021	.0191	-.0056	.0462	.0012	.0035	39.61	12.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**79.42**	**26.99**	**7.799**	**.8252**	**.0262**	**.0008**	**-.0072**	**5.527**	**.0392**
Stddev	.16	.05	.014	.0020	.0007	.0002	.0012	.009	.0006
%RSD	.2006	.1906	.1773	.2474	2.573	26.32	16.65	.1560	1.527
#1	79.53	27.03	7.808	.8266	.0258	.0009	-.0081	5.521	.0396
#2	79.30	26.96	7.789	.8237	.0267	.0006	-.0064	5.533	.0387

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0410**	**2.543**	**.0048**	**.0279**	**.3252**	**.0000**	**.0620**
Stddev	.0000	.008	.0008	.0001	.0006	.0001	.0006
%RSD	.0350	.3044	15.70	.4214	.1959	517.2	.9012
#1	.0410	2.549	.0053	.0279	.3248	.0001	.0617
#2	.0410	2.538	.0043	.0278	.3257	-.0000	.0624

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	78129.	14626.	2501.6	3624.2
Stddev	359.	10.	2.6	2.9
%RSD	.45980	.07022	.10558	.08113
#1	77875.	14633.	2499.8	3622.1
#2	78383.	14619.	2503.5	3626.3

Zoom In Zoom Out

Sample Name: jb67976-12 Acquired: 6/9/2014 22:57:59 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3877**	**.0041**	**.0015**	**.0386**	**.1189**	**.0864**	**.5970**	**.1795**	**.0062**
Stddev	.0002	.0001	.0000	.0003	.0003	.0005	.0007	.0017	.0001
%RSD	.0520	2.106	.6045	.8920	.2290	.6027	.1184	.9690	1.539
#1	.3878	.0041	.0015	.0384	.1191	.0860	.5975	.1783	.0061
#2	.3875	.0042	.0015	.0388	.1188	.0868	.5965	.1807	.0063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1604**	**.2250**	**.0225**	**-.0069**	**.0607**	**.0038**	**.0035**	**54.35**	**10.56**
Stddev	.0001	.0026	.0013	.0016	.0009	.0015	.0008	.13	.01
%RSD	.0529	1.154	5.874	23.59	1.475	39.90	22.33	.2480	.1047
#1	.1603	.2231	.0234	-.0058	.0613	.0048	.0040	54.45	10.57
#2	.1604	.2268	.0216	-.0081	.0601	.0027	.0029	54.26	10.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**89.29**	**18.86**	**9.154**	**2.256**	**.0292**	**.0011**	**-.0110**	**3.708**	**.0279**
Stddev	.14	.10	.012	.001	.0006	.0001	.0003	.051	.0010
%RSD	.1529	.5109	.1354	.0623	1.919	9.328	3.049	1.361	3.429
#1	89.38	18.93	9.145	2.255	.0288	.0010	-.0113	3.673	.0272
#2	89.19	18.80	9.163	2.257	.0296	.0012	-.0108	3.744	.0286

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0489**	**2.944**	**-.0007**	**.0372**	**.3382**	**-.0006**	**.0806**
Stddev	.0002	.004	.0005	.0000	.0019	.0006	.0001
%RSD	.3539	.1381	69.65	.0640	.5661	86.44	.1496
#1	.0487	2.946	-.0003	.0372	.3368	-.0010	.0807
#2	.0490	2.941	-.0010	.0372	.3395	-.0003	.0805

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	79073.	14881.	2515.1	3625.2
Stddev	148.	70.	18.9	25.1
%RSD	.18759	.46914	.74991	.69358
#1	78969.	14832.	2528.5	3643.0
#2	79178.	14930.	2501.8	3607.4

Zoom In Zoom Out

Sample Name: jb68100-3a Acquired: 6/9/2014 23:03:55 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.267**	**.0092**	**.0187**	**.1350**	**.3235**	**.8985**	**4.091**	**.5989**	**-.0109**
Stddev	.008	.0000	.0000	.0007	.0012	.0027	.015	.0022	.0014
%RSD	.2378	.0875	.1463	.4877	.3746	.3033	.3716	.3737	12.89
#1	3.272	.0092	.0187	.1354	.3243	.8966	4.102	.6005	-.0119
#2	3.261	.0092	.0187	.1345	.3226	.9004	4.080	.5973	-.0099

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4557**	**8.255**	**.7852**	**-.0040**	**29.22**	**.0310**	**.0532**	**73.58**	**125.1**
Stddev	.0018	.034	.0020	.0023	.13	.0013	.0016	.09	.0
%RSD	.3962	.4135	.2543	56.90	.4577	4.074	3.005	.1160	.0058
#1	.4570	8.279	.7866	-.0056	29.31	.0301	.0544	73.52	125.1
#2	.4544	8.231	.7838	-.0024	29.13	.0319	.0521	73.64	125.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**583.5**	**8.161**	**9.918**	**6.272**	**.0603**	**.2649**	**-.0977**	**5.590**	**.2363**
Stddev	2.4	.120	.030	.033	.0008	.0021	.0016	.054	.0013
%RSD	.4179	1.464	.3079	.5305	1.268	.7854	1.589	.9646	.5597
#1	585.2	8.077	9.940	6.296	.0608	.2664	-.0966	5.628	.2372
#2	581.8	8.246	9.896	6.249	.0597	.2634	-.0988	5.552	.2353

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5662**	**1.575**	**.0147**	**.0482**	**6.800**	**.0768**	**.1799**
Stddev	.0007	.001	.0038	.0002	.050	.0002	.0021
%RSD	.1251	.0391	25.57	.3566	.7407	.2378	1.170
#1	.5667	1.576	.0174	.0483	6.836	.0769	.1814
#2	.5657	1.575	.0120	.0481	6.764	.0767	.1784

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	73687.	14402.	2291.1	3515.6
Stddev	178.	38.	14.2	15.4
%RSD	.24181	.26702	.61948	.43927
#1	73561.	14429.	2281.1	3504.7
#2	73813.	14375.	2301.1	3526.6

Zoom In Zoom Out

Sample Name: jb68100-4a Acquired: 6/9/2014 23:09:51 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.601**	**.0052**	**.0128**	**.0804**	**.2001**	**3.730**	**1.919**	**.2301**	**.0963**
Stddev	.003	.0000	.0003	.0004	.0005	.008	.004	.0008	.0003
%RSD	.0955	.4485	2.073	.4966	.2612	.2124	.2218	.3407	.2963
#1	2.600	.0052	.0130	.0802	.2005	3.724	1.922	.2295	.0961
#2	2.603	.0052	.0127	.0807	.1997	3.736	1.916	.2306	.0965

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2799**	**2.369**	**.1314**	**-.0101**	**5.330**	**.0104**	**.0351**	**65.55**	**31.59**
Stddev	.0009	.012	.0003	.0009	.016	.0021	.0011	.05	.15
%RSD	.3361	.4847	.2482	8.831	.2932	19.98	3.087	.0758	.4798
#1	.2792	2.360	.1316	-.0094	5.319	.0119	.0344	65.51	31.69
#2	.2805	2.377	.1312	-.0107	5.341	.0090	.0359	65.58	31.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**208.6**	**7.181**	**10.09**	**3.310**	**.0576**	**.0350**	**-.0243**	**4.361**	**.7685**
Stddev	.7	.007	.03	.009	.0002	.0002	.0005	.003	.0023
%RSD	.3369	.0927	.2501	.2564	.3712	.5668	2.146	.0722	.3028
#1	209.1	7.186	10.08	3.316	.0575	.0352	-.0239	4.359	.7669
#2	208.1	7.177	10.11	3.304	.0578	.0349	-.0247	4.363	.7702

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4852**	**1.491**	**.0068**	**.0511**	**25.19**	**.0148**	**.1345**
Stddev	.0012	.000	.0004	.0001	.05	.0015	.0005
%RSD	.2547	.0084	5.781	.2116	.2013	10.34	.3693
#1	.4861	1.492	.0070	.0512	25.15	.0159	.1349
#2	.4843	1.491	.0065	.0510	25.22	.0137	.1342

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	76946.	14677.	2417.9	3612.0
Stddev	467.	72.	.6	2.3
%RSD	.60664	.48904	.02458	.06468
#1	76616.	14728.	2418.4	3613.7
#2	77276.	14626.	2417.5	3610.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/9/2014 23:15:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.117**	**2.078**	**2.117**	**2.108**	**2.107**	**2.004**	**1.999**	**2.077**	**.2590**
Stddev	.006	.006	.005	.010	.002	.008	.004	.014	.0008
%RSD	.3073	.2893	.2505	.4780	.0780	.4177	.1856	.6563	.2901
#1	2.121	2.082	2.113	2.101	2.109	2.010	2.002	2.067	.2596
#2	2.112	2.074	2.121	2.115	2.106	1.998	1.996	2.087	.2585
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	**2.065**	**2.127**	**2.061**	**2.129**	**2.097**	**2.082**	**2.106**	**39.57**	**41.73**
Stddev	.001	.013	.009	.006	.011	.001	.003	.06	.11
%RSD	.0662	.6219	.4245	.2893	.5214	.0320	.1531	.1466	.2639
#1	2.066	2.117	2.054	2.124	2.090	2.083	2.104	39.61	41.80
#2	2.064	2.136	2.067	2.133	2.105	2.082	2.108	39.53	41.65
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	**41.18**	**41.20**	**41.66**	**42.08**	**2.120**	**2.074**	**2.060**	**5.262**	**2.103**
Stddev	.08	.07	.01	.04	.005	.008	.015	.014	.009
%RSD	.2048	.1742	.0242	.0895	.2314	.3668	.7311	.2644	.4137
#1	41.24	41.25	41.67	42.10	2.116	2.069	2.071	5.252	2.097
#2	41.12	41.15	41.65	42.05	2.123	2.079	2.049	5.271	2.110
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: 6/9/2014 23:15:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.130**	**2.070**	**1.954**	**2.067**	**2.071**	**2.040**	**2.066**
Stddev	.004	.001	.028	.004	.010	.000	.006
%RSD	.2055	.0416	1.412	.2079	.4853	.0201	.2712
#1	2.133	2.071	1.935	2.070	2.064	2.040	2.070
#2	2.127	2.070	1.974	2.064	2.079	2.040	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74135.**	**14085.**	**2376.4**	**3442.6**
Stddev	72.	26.	6.9	13.3
%RSD	.09709	.18676	.29175	.38703
#1	74186.	14066.	2381.3	3452.0
#2	74084.	14104.	2371.5	3433.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/9/2014 23:21:36 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0001**	**-.0000**	F **.0036**	**.0001**	**.0001**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0001	.0007	.0000	.0001	.0005
%RSD	484.4	6.186	45.73	60.00	385.4	19.50	28.14	157.4	238.1
#1	.0001	.0001	.0001	.0001	.0000	.0041	.0001	-.0000	.0006
#2	-.0001	.0001	.0002	.0002	-.0001	.0031	.0001	.0002	-.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**	**-.0001**	**.0005**	**-.0008**	**.0004**	**.0010**	**-.0001**	**.0075**	**.0105**
Stddev	.0001	.0000	.0005	.0004	.0006	.0004	.0011	.0053	.0015
%RSD	38.50	47.25	86.17	46.98	138.1	41.08	1114.	70.30	13.90
#1	-.0004	-.0001	.0009	-.0010	.0009	.0013	.0006	.0113	.0095
#2	-.0002	-.0000	.0002	-.0005	.0000	.0007	-.0008	.0038	.0115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0174**	**-.0148**	**-.0007**	**.0057**	**.0007**	**.0009**	**-.0014**	**.0032**	**-.0001**
Stddev	.0019	.0149	.0034	.0019	.0007	.0001	.0006	.0001	.0006
%RSD	11.13	100.7	501.5	33.00	96.94	9.209	47.05	3.794	667.0
#1	.0160	-.0253	-.0030	.0071	.0012	.0010	-.0009	.0032	-.0005
#2	.0188	-.0043	.0017	.0044	.0002	.0009	-.0018	.0031	.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: 6/9/2014 23:21:36 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0006**	**.0123**	**.0007**	**-.0009**	**-.0016**	**.0005**
Stddev	.0000	.0004	.0003	.0001	.0017	.0003	.0024
%RSD	65.79	59.17	2.399	16.38	179.0	17.66	518.8
#1	.0001	.0004	.0125	.0007	-.0021	-.0018	.0021
#2	.0000	.0009	.0121	.0006	.0002	-.0014	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77873.**	**14276.**	**2534.0**	**3878.1**
Stddev	295.	37.	13.0	26.4
%RSD	.37941	.25588	.51209	.68190
#1	77664.	14302.	2543.2	3896.8
#2	78082.	14250.	2524.9	3859.4

Zoom In Zoom Out

Sample Name: jb68100-5a Acquired: 6/9/2014 23:27:41 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.051**	**.0059**	**.0054**	**.0948**	**.1264**	**1.391**	**1.730**	**.1779**	**.0081**
Stddev	.001	.0000	.0001	.0002	.0002	.000	.008	.0007	.0000
%RSD	.0574	.0127	2.391	.1890	.1372	.0321	.4468	.3951	.0415
#1	1.052	.0059	.0053	.0947	.1265	1.391	1.736	.1774	.0081
#2	1.051	.0059	.0055	.0950	.1262	1.392	1.725	.1784	.0081

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2788**	**1.555**	**.0900**	**-.0104**	**1.182**	**.0070**	**.0133**	**70.56**	**60.25**
Stddev	.0008	.006	.0002	.0021	.000	.0022	.0009	.02	.20
%RSD	.2846	.3904	.2588	20.66	.0102	32.09	6.717	.0214	.3382
#1	.2782	1.551	.0899	-.0089	1.182	.0054	.0127	70.57	60.11
#2	.2794	1.560	.0902	-.0119	1.182	.0085	.0140	70.55	60.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**117.3**	**4.530**	**8.870**	**4.063**	**.0728**	**.0402**	**-.0131**	**5.458**	**.2029**
Stddev	.3	.012	.003	.003	.0001	.0004	.0014	.012	.0000
%RSD	.2604	.2719	.0300	.0782	.2046	.9764	10.70	.2173	.0070
#1	117.0	4.521	8.869	4.061	.0729	.0399	-.0140	5.450	.2029
#2	117.5	4.539	8.872	4.065	.0727	.0404	-.0121	5.467	.2029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3964**	**1.165**	**.0129**	**.0458**	**10.84**	**.0020**	**.1550**
Stddev	.0003	.001	.0017	.0001	.02	.0002	.0002
%RSD	.0828	.0471	13.56	.1942	.1736	12.02	.1136
#1	.3962	1.165	.0141	.0459	10.83	.0022	.1549
#2	.3967	1.164	.0117	.0457	10.86	.0018	.1551

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77098.**	**14757.**	**2447.0**	**3574.6**
Stddev	211.	29.	6.5	13.7
%RSD	.27370	.19569	.26684	.38342
#1	77247.	14778.	2451.7	3584.3
#2	76949.	14737.	2442.4	3564.9

Zoom In Zoom Out

Sample Name: jb68100-6a Acquired: 6/9/2014 23:33:39 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.959**	**.0073**	**.0084**	**.0846**	**.1518**	**.9717**	**1.679**	**.2681**	**.0105**
Stddev	.007	.0001	.0001	.0002	.0001	.0046	.002	.0014	.0003
%RSD	.3742	1.172	.9914	.1906	.0467	.4741	.0987	.5126	2.518
#1	1.964	.0072	.0084	.0844	.1518	.9684	1.678	.2671	.0103
#2	1.953	.0074	.0083	.0847	.1517	.9749	1.680	.2690	.0107

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2899**	**6.270**	**.2039**	**-.0064**	**22.26**	**.0228**	**1.643**	**67.59**	**80.15**
Stddev	.0006	.056	.0026	.0009	.17	.0006	.009	.20	.10
%RSD	.2121	.8867	1.251	14.54	.7635	2.674	.5808	.2954	.1225
#1	.2894	6.231	.2021	-.0057	22.14	.0224	1.636	67.74	80.22
#2	.2903	6.309	.2057	-.0070	22.38	.0233	1.650	67.45	80.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**124.2**	**7.089**	**10.22**	**6.153**	**.0340**	**.0422**	**-.0159**	**4.274**	**1.300**
Stddev	.2	.011	.04	.031	.0003	.0004	.0002	.024	.012
%RSD	.1707	.1574	.3451	.5016	1.019	.9522	1.341	.5693	.9240
#1	124.3	7.081	10.25	6.175	.0342	.0419	-.0158	4.257	1.292
#2	124.0	7.097	10.20	6.131	.0338	.0424	-.0161	4.291	1.309

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5757**	**1.239**	**.0062**	**.0402**	**9.961**	**.0295**	**.1530**
Stddev	.0014	.006	.0002	.0001	.083	.0026	.0011
%RSD	.2370	.4698	2.524	.3701	.8375	8.946	.6870
#1	.5767	1.235	.0063	.0403	9.902	.0314	.1538
#2	.5748	1.243	.0061	.0401	10.02	.0277	.1523

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78056.**	**14876.**	**2456.8**	**3589.3**
Stddev	79.	91.	12.6	18.9
%RSD	.10155	.61030	.51163	.52784
#1	78000.	14940.	2465.7	3602.7
#2	78112.	14812.	2447.9	3575.9

Zoom In Zoom Out

Sample Name: jb68100-7a Acquired: 6/9/2014 23:39:34 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.848**	**.0067**	**.0060**	**.1068**	**.1630**	**.8877**	**1.208**	**.3366**	**.0245**
Stddev	.014	.0001	.0000	.0011	.0088	.0384	.063	.0034	.0002
%RSD	.7775	.9658	.7435	1.002	5.403	4.327	5.184	1.010	.9278
#1	1.838	.0067	.0061	.1060	.1568	.8605	1.163	.3342	.0246
#2	1.858	.0066	.0060	.1075	.1692	.9148	1.252	.3390	.0243

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3077**	**4.331**	**.2117**	**-.0073**	**14.30**	**.0251**	**.0492**	**76.91**	**35.20**
Stddev	.0144	.055	.0008	.0034	.16	.0040	.0009	.67	.40
%RSD	4.683	1.275	.3624	46.85	1.086	15.93	1.806	.8712	1.150
#1	.2975	4.292	.2123	-.0097	14.19	.0223	.0485	76.44	34.92
#2	.3179	4.370	.2112	-.0049	14.41	.0279	.0498	77.39	35.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.1**	**5.771**	**12.22**	**6.966**	**.0401**	**.0463**	**-.0141**	**4.649**	**.7885**
Stddev	1.3	.074	.12	.057	.0005	.0005	.0018	.044	.0089
%RSD	1.042	1.280	.9913	.8161	1.131	1.116	12.82	.9581	1.123
#1	126.1	5.718	12.14	6.926	.0398	.0459	-.0129	4.618	.7822
#2	128.0	5.823	12.31	7.006	.0404	.0466	-.0154	4.681	.7947

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4966**	**1.358**	**.0066**	**.0514**	**18.44**	**.0095**	**.1841**
Stddev	.0046	.066	.0003	.0028	.21	.0002	.0017
%RSD	.9340	4.872	5.189	5.480	1.159	1.761	.9364
#1	.4933	1.311	.0068	.0494	18.29	.0097	.1829
#2	.4999	1.405	.0064	.0534	18.59	.0094	.1853

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79982.**	**14655.**	**2434.4**	**3555.6**
Stddev	3090.	169.	15.2	25.1
%RSD	3.8638	1.1557	.62323	.70608
#1	82167.	14775.	2445.1	3573.4
#2	77797.	14535.	2423.7	3537.9

Zoom In Zoom Out

Sample Name: jb68100-9a Acquired: 6/9/2014 23:45:30 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.403**	**.0059**	**.0039**	**.0605**	**.1370**	**.3800**	**1.244**	**.1495**	**.0063**
Stddev	.003	.0002	.0001	.0004	.0001	.0023	.004	.0022	.0007
%RSD	.2194	2.849	3.051	.7182	.0755	.5927	.3218	1.457	10.70
#1	1.405	.0061	.0038	.0602	.1371	.3816	1.246	.1479	.0058
#2	1.401	.0058	.0040	.0608	.1369	.3784	1.241	.1510	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2250**	**1.040**	**.2553**	**-.0071**	**2.001**	**.0198**	**.0357**	**54.06**	**78.92**
Stddev	.0002	.013	.0002	.0010	.022	.0023	.0008	.14	.25
%RSD	.0736	1.277	.0810	14.64	1.117	11.52	2.167	.2611	.3208
#1	.2251	1.031	.2555	-.0064	1.985	.0182	.0363	54.16	79.10
#2	.2249	1.050	.2552	-.0079	2.016	.0214	.0352	53.96	78.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**99.80**	**5.447**	**9.825**	**5.697**	**.0364**	**.0358**	**-.0095**	**4.474**	**.2690**
Stddev	.34	.016	.003	.027	.0005	.0006	.0000	.050	.0028
%RSD	.3455	.3011	.0292	.4685	1.294	1.645	.1218	1.121	1.037
#1	100.0	5.459	9.827	5.716	.0361	.0353	-.0095	4.438	.2671
#2	99.56	5.435	9.823	5.678	.0367	.0362	-.0095	4.509	.2710

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4509**	**.9948**	**-.0046**	**.0314**	**30.69**	**.0053**	**.1325**
Stddev	.0008	.0041	.0012	.0002	.33	.0007	.0001
%RSD	.1823	.4162	26.36	.5001	1.090	13.68	.0974
#1	.4514	.9978	-.0055	.0313	30.46	.0058	.1326
#2	.4503	.9919	-.0038	.0315	30.93	.0048	.1324

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75570.**	**14344.**	**2392.1**	**3532.4**
Stddev	161.	39.	22.6	33.6
%RSD	.21367	.27160	.94444	.95024
#1	75456.	14316.	2408.1	3556.1
#2	75684.	14371.	2376.1	3508.6

Zoom In Zoom Out

Sample Name: jb68100-12a Acquired: 6/9/2014 23:51:25 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.621**	**.0127**	**.0075**	**.0983**	**.4382**	**.7937**	**2.022**	**.2512**	**.0262**
Stddev	.065	.0008	.0001	.0023	.0268	.0484	.119	.0016	.0009
%RSD	3.987	5.973	1.486	2.374	6.115	6.096	5.901	.6170	3.267
#1	1.667	.0132	.0075	.0966	.4572	.8279	2.107	.2502	.0256
#2	1.576	.0122	.0074	.0999	.4193	.7595	1.938	.2523	.0268

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5660**	**3.726**	**.1231**	**-.0190**	**16.89**	**.0088**	**.0270**	**250.9**	**35.20**
Stddev	.0350	.030	.0015	.0029	.12	.0027	.0018	10.4	1.39
%RSD	6.190	.8171	1.217	15.04	.7390	30.37	6.826	4.166	3.945
#1	.5907	3.704	.1241	-.0169	16.81	.0107	.0283	258.2	36.18
#2	.5412	3.747	.1220	-.0210	16.98	.0069	.0257	243.5	34.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**269.6**	**59.50**	**27.33**	**8.525**	**.1171**	**.0164**	**-.0362**	**4.440**	**.4009**
Stddev	10.6	2.32	1.00	.300	.0008	.0006	.0041	.026	.0019
%RSD	3.943	3.904	3.666	3.514	.6722	3.561	11.37	.5810	.4654
#1	277.1	61.15	28.03	8.737	.1166	.0169	-.0391	4.422	.3995
#2	262.0	57.86	26.62	8.313	.1177	.0160	-.0333	4.458	.4022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3418**	**8.829**	**.0060**	**.0986**	**38.43**	**.0303**	**.7239**
Stddev	.0136	.534	.0009	.0059	.29	.0005	.0249
%RSD	3.981	6.047	15.01	5.960	.7518	1.642	3.446
#1	.3515	9.206	.0054	.1027	38.22	.0306	.7416
#2	.3322	8.451	.0067	.0944	38.63	.0299	.7063

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80946.**	**15505.**	**2460.2**	**3399.8**
Stddev	4139.	551.	10.8	17.0
%RSD	5.1133	3.5515	.43970	.49862
#1	78019.	15115.	2467.9	3411.8
#2	83873.	15894.	2452.6	3387.8

Zoom In Zoom Out

Sample Name: mp79770-mb1conf Acquired: 6/9/2014 23:57:18 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**.0001**	**.0002**	**-.0002**	**.0002**	**.0031**	**.0007**	**.0006**	**.0011**
Stddev	.0003	.0000	.0000	.0000	.0000	.0002	.0000	.0002	.0003
%RSD	24.82	34.37	10.77	16.75	17.41	6.169	1.760	36.87	24.02
#1	.0009	.0001	.0002	-.0002	.0002	.0030	.0007	.0007	.0009
#2	.0012	.0001	.0002	-.0002	.0002	.0032	.0007	.0004	.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0109**	**-.0005**	**-.0016**	**.0002**	**.0028**	**.0020**	**.0424**	**.1285**
Stddev	.0001	.0000	.0011	.0000	.0001	.0015	.0001	.0046	.0014
%RSD	17.62	.1957	194.1	.1592	55.39	54.25	7.319	10.80	1.069
#1	-.0004	.0109	.0002	-.0016	.0003	.0038	.0019	.0456	.1275
#2	-.0005	.0109	-.0013	-.0016	.0001	.0017	.0021	.0392	.1295

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0813**	**.0301**	**-.0005**	**.0551**	**.0005**	**.0001**	**-.0007**	**.0444**	**.0107**
Stddev	.0047	.0007	.0171	.0018	.0002	.0001	.0000	.0003	.0002
%RSD	5.792	2.449	3183.	3.299	44.60	158.9	.0755	.5652	1.957
#1	.0846	.0296	-.0126	.0539	.0006	.0001	-.0007	.0445	.0108
#2	.0779	.0306	.0116	.0564	.0003	-.0000	-.0007	.0442	.0105

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0014**	**-.0047**	**.0002**	**.0081**	**-.0061**	**.0005**
Stddev	.0000	.0002	.0002	.0001	.0022	.0002	.0010
%RSD	3.151	11.08	3.168	32.67	27.15	2.784	203.1
#1	.0004	.0015	-.0049	.0001	.0096	-.0060	.0012
#2	.0004	.0013	-.0046	.0002	.0065	-.0062	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78383.**	**14610.**	**2514.8**	**3892.3**
Stddev	45.	47.	1.5	3.4
%RSD	.05768	.32395	.06148	.08721
#1	78351.	14576.	2515.9	3894.7
#2	78415.	14643.	2513.7	3889.9

Zoom In Zoom Out

Sample Name: jb67822-1a 2 Acquired: 6/10/2014 0:03:24 Type: Unk
Method: Accutest1(v365) 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	**.4830**	**.0081**	**.0173**	**.2367**	**.4434**	**1.086**	**18.33**	**.5081**	**.0055**
Stddev	.0024	.0004	.0002	.0004	.0024	.009	.02	.0016	.0027
%RSD	.4911	4.348	.9229	.1725	.5476	.7879	.0962	.3239	50.15
#1	.4847	.0078	.0174	.2370	.4417	1.092	18.34	.5093	.0074
#2	.4814	.0083	.0172	.2364	.4452	1.080	18.32	.5070	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5619**	**2.378**	**.2756**	**-.0166**	**.7007**	**-.0145**	**.0365**	**93.89**	**47.47**
Stddev	.0008	.002	.0042	.0045	.0041	.0007	.0014	.48	.08
%RSD	.1366	.0856	1.534	27.28	.5911	5.131	3.770	.5131	.1707
#1	.5624	2.377	.2726	-.0134	.7036	-.0150	.0374	94.23	47.52
#2	.5613	2.380	.2786	-.0198	.6978	-.0139	.0355	93.55	47.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1149.**	**7.259**	**4.930**	**2.062**	**.1029**	**.0132**	**-.1733**	**5.434**	**.0675**
Stddev	4.	.009	.063	.003	.0000	.0007	.0040	.042	.0012
%RSD	.3710	.1229	1.267	.1659	.0208	4.975	2.285	.7740	1.790
#1	1152.	7.265	4.975	2.064	.1029	.0136	-.1705	5.464	.0683
#2	1146.	7.252	4.886	2.060	.1029	.0127	-.1761	5.405	.0666

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3248**	**4.067**	**.0150**	**.0615**	**34.95**	**.1222**	**.0475**
Stddev	.0011	.003	.0002	.0003	.08	.0063	.0003
%RSD	.3336	.0695	1.140	.5214	.2163	5.172	.5628
#1	.3256	4.069	.0152	.0617	35.00	.1178	.0473
#2	.3240	4.065	.0149	.0613	34.89	.1267	.0476

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75354.**	**14307.**	**2403.1**	**3688.7**
Stddev	78.	121.	8.0	1.1
%RSD	.10311	.84659	.33161	.03103
#1	75299.	14222.	2397.4	3687.9
#2	75409.	14393.	2408.7	3689.5

Zoom In Zoom Out

Sample Name: mp79915-mb1 2 Acquired: 6/10/2014 0:09:26 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: cr,pb(16th)

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**.0000**	**.0002**	**-.0003**	**.0011**	**.0027**	**.0009**	**.0021**	**.0007**
Stddev	.0002	.0000	.0000	.0001	.0002	.0003	.0001	.0001	.0001
%RSD	23.45	11420.	2.092	35.88	22.03	11.56	8.349	5.163	9.951
#1	.0012	.0000	.0002	-.0003	.0012	.0029	.0010	.0021	.0007
#2	.0008	-.0000	.0002	-.0002	.0009	.0025	.0009	.0022	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0006**	**.0038**	**-.0020**	**-.0009**	**.0003**	**.0021**	**.0011**	**.0206**	**.1735**
Stddev	.0003	.0002	.0003	.0003	.0011	.0001	.0001	.0067	.0055
%RSD	47.93	4.230	13.01	38.36	387.9	5.868	7.016	32.64	3.144
#1	-.0008	.0037	-.0022	-.0006	-.0005	.0022	.0011	.0253	.1696
#2	-.0004	.0039	-.0018	-.0011	.0010	.0020	.0010	.0158	.1773

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0907**	**.0640**	**.0210**	**.0685**	**.0006**	**.0003**	**-.0006**	**.0618**	**.0362**
Stddev	.0008	.0094	.0118	.0000	.0004	.0002	.0002	.0002	.0006
%RSD	.8796	14.62	56.08	.0066	81.30	65.46	41.93	.3061	1.790
#1	.0913	.0574	.0293	.0686	.0009	.0002	-.0007	.0619	.0367
#2	.0901	.0706	.0127	.0685	.0002	.0005	-.0004	.0617	.0357

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0012**	**-.0041**	**-.0002**	**.0062**	**-.0039**	**.0006**
Stddev	.0001	.0004	.0007	.0001	.0004	.0010	.0006
%RSD	11.99	35.83	16.71	40.53	5.776	25.13	113.6
#1	.0005	.0009	-.0036	-.0003	.0060	-.0032	.0010
#2	.0006	.0016	-.0046	-.0002	.0065	-.0046	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78048.**	**14458.**	**2531.1**	**3868.8**
Stddev	421.	66.	4.8	1.6
%RSD	.53883	.45730	.18781	.04132
#1	77751.	14411.	2527.8	3867.6
#2	78345.	14505.	2534.5	3869.9

Zoom In Zoom Out

Sample Name: mp79915-b1 2 Acquired: 6/10/2014 0:15:28 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.959**	**.0986**	**.0985**	**.9765**	**.4038**	**.4630**	**.9444**	**.9670**	**.0123**
Stddev	.006	.0003	.0000	.0044	.0031	.0029	.0006	.0055	.0002
%RSD	.1540	.2630	.0327	.4515	.7797	.6257	.0670	.5689	1.322
#1	3.963	.0988	.0985	.9734	.4061	.4651	.9449	.9631	.0124
#2	3.954	.0984	.0984	.9796	.4016	.4610	.9440	.9709	.0122

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9460**	**.9940**	**3.856**	**3.939**	**.9654**	**3.908**	**.9289**	**50.51**	**12.90**
Stddev	.0011	.0066	.025	.012	.0028	.019	.0029	.03	.03
%RSD	.1131	.6636	.6624	.3057	.2936	.4813	.3093	.0541	.2436
#1	.9467	.9893	3.838	3.931	.9634	3.895	.9269	50.53	12.92
#2	.9452	.9987	3.874	3.948	.9674	3.921	.9309	50.49	12.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.94**	**12.72**	**12.42**	**13.07**	**.0002**	**.0016**	**-.0115**	**.1078**	**.0369**
Stddev	.10	.02	.08	.06	.0001	.0000	.0007	.0006	.0001
%RSD	.1921	.1317	.6419	.4331	38.73	2.781	5.783	.5656	.3515
#1	52.01	12.73	12.37	13.03	.0003	.0016	-.0120	.1074	.0368
#2	51.87	12.70	12.48	13.11	.0002	.0016	-.0111	.1083	.0370

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0042**	**.0401**	**.0016**	**.0129**	**.0016**	**.0004**
Stddev	.0001	.0005	.0005	.0000	.0013	.0009	.0004
%RSD	21.71	11.86	1.219	1.965	9.846	55.44	96.05
#1	.0005	.0038	.0397	.0016	.0138	.0010	.0001
#2	.0004	.0046	.0404	.0017	.0120	.0022	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76190.**	**14253.**	**2459.3**	**3630.9**
Stddev	241.	19.	10.7	18.1
%RSD	.31608	.13020	.43654	.49775
#1	76020.	14240.	2466.9	3643.6
#2	76360.	14267.	2451.7	3618.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 0:21:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.123**	**2.075**	**2.138**	**2.131**	**2.094**	**1.982**	**1.984**	**2.101**	**.2571**
Stddev	.000	.000	.004	.005	.070	.070	.066	.005	.0075
%RSD	.0124	.0136	.1712	.2400	3.330	3.547	3.347	.2479	2.929
#1	2.122	2.075	2.135	2.128	2.143	2.032	2.031	2.097	.2624
#2	2.123	2.075	2.140	2.135	2.044	1.933	1.937	2.104	.2517
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	**2.051**	**2.149**	**2.084**	**2.149**	**2.121**	**2.103**	**2.130**	**39.58**	**41.90**
Stddev	.067	.006	.006	.001	.001	.005	.001	.08	.17
%RSD	3.246	.3017	.2766	.0293	.0479	.2247	.0262	.2034	.4154
#1	2.098	2.145	2.080	2.149	2.121	2.106	2.130	39.52	42.02
#2	2.004	2.154	2.088	2.150	2.122	2.099	2.130	39.64	41.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.30**	**41.23**	**41.69**	**42.11**	**2.139**	**2.094**	**2.046**	**5.314**	**2.125**
Stddev	.08	.21	.07	.02	.004	.006	.069	.009	.007
%RSD	.1927	.5113	.1627	.0505	.1866	.2871	3.378	.1594	.3132
#1	41.36	41.38	41.64	42.09	2.136	2.089	2.095	5.308	2.120
#2	41.25	41.08	41.74	42.12	2.142	2.098	1.997	5.320	2.130
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 0:21:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.138**	**2.058**	**1.983**	**2.053**	**2.086**	**2.062**	**2.067**
Stddev	.000	.070	.027	.072	.008	.001	.001
%RSD	.0172	3.395	1.371	3.494	.3904	.0404	.0470
#1	2.137	2.107	1.964	2.104	2.080	2.063	2.067
#2	2.138	2.009	2.003	2.003	2.092	2.062	2.066
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	**75011.**	**14044.**	**2367.4**	**3432.7**
Stddev	1941.	27.	3.6	6.1
%RSD	2.5873	.19487	.15200	.17650
#1	73639.	14025.	2369.9	3437.0
#2	76383.	14064.	2364.9	3428.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 0:27:14 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**.0002**	**.0006**	F **.0023**	**.0001**	**-.0000**	**.0005**
Stddev	.0004	.0001	.0002	.0001	.0001	.0001	.0001	.0001	.0003
%RSD	785.7	90.60	171.8	31.71	17.15	6.125	89.88	203.4	61.79
#1	-.0002	.0000	-.0000	.0001	.0007	.0024	.0002	.0000	.0007
#2	.0003	.0002	.0002	.0002	.0006	.0022	.0000	-.0001	.0003
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**	**.0001**	**-.0004**	**-.0006**	**.0004**	**-.0013**	**.0014**	**.0011**	**.0102**
Stddev	.0002	.0000	.0014	.0009	.0011	.0009	.0001	.0007	.0003
%RSD	75.87	67.31	367.1	139.1	294.3	69.40	7.595	66.81	2.580
#1	-.0001	.0001	.0006	-.0000	-.0004	-.0019	.0015	.0016	.0100
#2	-.0004	.0000	-.0014	-.0012	.0012	-.0007	.0014	.0006	.0104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079**	**.0193**	**-.0055**	**.0004**	**.0004**	**.0009**	**-.0007**	**.0020**	**-.0008**
Stddev	.0009	.0012	.0351	.0002	.0002	.0001	.0014	.0007	.0002
%RSD	10.80	6.078	637.8	58.75	55.21	13.94	197.0	35.88	25.25
#1	.0073	.0184	-.0304	.0006	.0006	.0008	.0003	.0025	-.0006
#2	.0085	.0201	.0193	.0002	.0003	.0010	-.0018	.0015	-.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: 6/10/2014 0:27:14 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0008**	**.0114**	**.0006**	**-.0047**	**-.0015**	**.0002**
Stddev	.0000	.0001	.0014	.0002	.0003	.0004	.0003
%RSD	39.79	8.667	12.68	38.83	5.404	29.00	186.9
#1	.0001	.0008	.0124	.0004	-.0049	-.0018	.0004
#2	.0000	.0009	.0104	.0008	-.0045	-.0012	-.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	**78051.**	**14746.**	**2549.4**	**3893.0**
Stddev	205.	731.	16.5	24.5
%RSD	.26304	4.9591	.64604	.62874
#1	78197.	15263.	2561.0	3910.3
#2	77906.	14228.	2537.8	3875.7

Zoom In Zoom Out

Sample Name: mp79915-s1 Acquired: 6/10/2014 0:33:18 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.196**	**.0992**	**.0986**	**1.086**	**.5261**	**.7787**	**3.834**	**1.183**	**.0153**
Stddev	.123	.0029	.0000	.004	.0011	.0029	.018	.005	.0023
%RSD	2.932	2.890	.0208	.4169	.2164	.3726	.4561	.4298	14.82
#1	4.283	.1012	.0986	1.083	.5253	.7808	3.822	1.179	.0169
#2	4.109	.0971	.0986	1.089	.5269	.7767	3.847	1.187	.0137

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.135**	**1.355**	**3.760**	**3.713**	**1.122**	**3.765**	**.5634**	**201.9**	**24.64**
Stddev	.004	.007	.006	.012	.005	.005	.0009	5.9	.69
%RSD	.3222	.4975	.1629	.3090	.4382	.1428	.1526	2.916	2.781
#1	1.132	1.350	3.755	3.705	1.118	3.761	.5640	206.1	25.13
#2	1.138	1.360	3.764	3.721	1.125	3.769	.5628	197.8	24.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**297.6**	**70.42**	**28.46**	**12.86**	**.0260**	**.0094**	**-.0448**	**12.56**	**.0537**
Stddev	8.1	2.11	.86	.38	.0001	.0001	.0019	.00	.0004
%RSD	2.706	3.001	3.031	2.951	.2014	.6424	4.170	.0227	.7180
#1	303.3	71.91	29.07	13.13	.0259	.0093	-.0461	12.56	.0540
#2	291.9	68.92	27.85	12.59	.0260	.0094	-.0434	12.57	.0534

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0653**	**5.786**	**.0749**	**.1072**	**.3421**	**.0257**	**.2991**
Stddev	.0019	.013	.0015	.0001	.0004	.0014	.0093
%RSD	2.885	.2285	1.943	.0540	.1162	5.437	3.117
#1	.0667	5.776	.0759	.1072	.3418	.0267	.3057
#2	.0640	5.795	.0738	.1071	.3424	.0247	.2925

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78544.**	**15386.**	**2473.8**	**3407.6**
Stddev	258.	338.	1.4	7.9
%RSD	.32883	2.1937	.05737	.23205
#1	78727.	15147.	2474.8	3413.2
#2	78361.	15625.	2472.8	3402.0

Zoom In Zoom Out

Sample Name: mp79915-s2 Acquired: 6/10/2014 0:39:10 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.198**	**.1000**	**.0972**	**1.079**	**.5465**	**.9400**	**3.600**	**1.182**	**.0139**
Stddev	.020	.0007	.0006	.012	.0056	.0127	.035	.013	.0032
%RSD	.4667	.6616	.6104	1.127	1.033	1.356	.9795	1.113	22.93
#1	4.212	.1005	.0967	1.071	.5425	.9310	3.575	1.172	.0161
#2	4.184	.0996	.0976	1.088	.5505	.9490	3.625	1.191	.0116

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.146**	**1.343**	**3.680**	**3.618**	**1.140**	**3.649**	**.5512**	**203.6**	**23.48**
Stddev	.012	.014	.035	.043	.012	.035	.0067	1.2	.16
%RSD	1.035	1.002	.9416	1.184	1.059	.9465	1.220	.5917	.6953
#1	1.138	1.334	3.655	3.588	1.132	3.625	.5464	204.5	23.60
#2	1.155	1.353	3.704	3.648	1.149	3.673	.5559	202.8	23.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**372.7**	**70.46**	**28.93**	**12.82**	**.0235**	**.0084**	**-.0563**	**12.23**	**.0512**
Stddev	2.8	.75	.16	.06	.0003	.0003	.0000	.13	.0017
%RSD	.7412	1.059	.5565	.4505	1.167	3.950	.0826	1.075	3.325
#1	374.6	70.99	29.04	12.86	.0233	.0082	-.0562	12.14	.0500
#2	370.7	69.93	28.82	12.78	.0236	.0087	-.0563	12.32	.0524

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0670**	**5.647**	**.0616**	**.1072**	**.3267**	**.0337**	**.2964**
Stddev	.0003	.054	.0027	.0008	.0061	.0014	.0015
%RSD	.4094	.9611	4.408	.7849	1.874	4.208	.4909
#1	.0672	5.608	.0635	.1066	.3224	.0327	.2974
#2	.0668	5.685	.0597	.1078	.3310	.0347	.2954

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79706.**	**15418.**	**2517.3**	**3432.1**
Stddev	663.	88.	19.9	29.4
%RSD	.83201	.57233	.78867	.85559
#1	80175.	15355.	2531.3	3452.8
#2	79237.	15480.	2503.2	3411.3

Zoom In Zoom Out

Sample Name: jb68234-8 Acquired: 6/10/2014 0:45:02 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5653**	**.0087**	**.0038**	**.1242**	**.1689**	**.3694**	**3.194**	**.2322**	**.0081**
Stddev	.0010	.0000	.0000	.0004	.0002	.0006	.019	.0011	.0001
%RSD	.1712	.0460	.9826	.3057	.1043	.1580	.6038	.4834	.8856
#1	.5660	.0087	.0039	.1239	.1688	.3698	3.207	.2314	.0080
#2	.5646	.0086	.0038	.1245	.1690	.3690	3.180	.2330	.0081

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2735**	**.4671**	**.0646**	**-.0079**	**.2005**	**.0058**	**.0058**	**172.9**	**15.68**
Stddev	.0014	.0018	.0003	.0014	.0009	.0021	.0014	.5	.07
%RSD	.5132	.3948	.4735	17.76	.4348	36.86	25.16	.2884	.4217
#1	.2745	.4658	.0644	-.0089	.1999	.0043	.0047	173.2	15.73
#2	.2725	.4684	.0648	-.0069	.2012	.0073	.0068	172.5	15.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**282.4**	**67.10**	**16.94**	**.7169**	**.0258**	**.0089**	**-.0388**	**9.870**	**.0543**
Stddev	1.3	.39	.09	.0001	.0007	.0001	.0011	.006	.0009
%RSD	.4497	.5804	.5114	.0126	2.524	.8436	2.920	.0577	1.678
#1	283.3	67.37	17.00	.7169	.0253	.0088	-.0380	9.866	.0550
#2	281.5	66.82	16.87	.7170	.0262	.0089	-.0397	9.874	.0537

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0761**	**6.302**	**.0139**	**.1084**	**.4189**	**.0191**	**.3266**
Stddev	.0002	.028	.0004	.0004	.0031	.0015	.0011
%RSD	.2408	.4407	2.764	.3725	.7342	7.933	.3232
#1	.0762	6.322	.0136	.1086	.4167	.0180	.3273
#2	.0759	6.283	.0142	.1081	.4211	.0202	.3258

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81078.**	**15642.**	**2583.6**	**3482.6**
Stddev	658.	128.	3.7	.9
%RSD	.81213	.81623	.14511	.02579
#1	80612.	15552.	2581.0	3482.0
#2	81543.	15732.	2586.3	3483.2

Zoom In Zoom Out

Sample Name: mp79915-sd1 Acquired: 6/10/2014 0:50:58 Type: Unk
Method: Accutest1(v365) 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	**.6216**	**.0095**	**.0046**	**.1264**	**.1872**	**.3884**	**3.571**	**.2401**	**.0180**
Stddev	.0017	.0002	.0011	.0009	.0001	.0034	.003	.0013	.0000
%RSD	.2784	2.571	24.32	.7271	.0450	.8625	.0864	.5265	.1712
#1	.6228	.0093	.0054	.1271	.1872	.3908	3.569	.2392	.0180
#2	.6203	.0097	.0038	.1258	.1871	.3861	3.573	.2410	.0180

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2966**	**.5290**	**.0728**	**-.0163**	**.2103**	**.0173**	**.0065**	**185.9**	**17.65**
Stddev	.0009	.0012	.0007	.0021	.0031	.0021	.0054	.0	.02
%RSD	.2917	.2175	.9160	12.88	1.483	12.16	82.67	.0066	.1259
#1	.2960	.5282	.0733	-.0148	.2125	.0187	.0103	186.0	17.67
#2	.2972	.5298	.0723	-.0177	.2081	.0158	.0027	185.9	17.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**332.3**	**73.11**	**18.08**	**.7764**	**.0373**	**.0100**	**-.0484**	**11.28**	**.0578**
Stddev	.6	.38	.17	.0028	.0004	.0007	.0007	.02	.0008
%RSD	.1790	.5236	.9332	.3606	1.003	6.690	1.440	.1935	1.356
#1	332.7	73.38	18.20	.7744	.0370	.0095	-.0479	11.30	.0573
#2	331.9	72.84	17.97	.7784	.0375	.0104	-.0489	11.27	.0584

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0830**	**6.856**	**-.0222**	**.1172**	**.4617**	**.0142**	**.3451**
Stddev	.0008	.015	.0053	.0002	.0056	.0032	.0027
%RSD	.9254	.2235	23.97	.1367	1.206	22.76	.7729
#1	.0825	6.867	-.0260	.1171	.4578	.0165	.3432
#2	.0836	6.846	-.0185	.1173	.4657	.0119	.3470

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78492.**	**14681.**	**2543.2**	**3711.0**
Stddev	76.	64.	3.1	.8
%RSD	.09645	.43304	.12281	.02037
#1	78545.	14636.	2541.0	3710.4
#2	78438.	14726.	2545.4	3711.5

Zoom In Zoom Out

Sample Name: jb67967-5 Acquired: 6/10/2014 0:56:56 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3385**	**.0032**	**.0020**	**.0261**	**.1022**	**.0909**	**.7737**	**.0676**	**.0049**
Stddev	.0015	.0001	.0002	.0002	.0004	.0003	.0010	.0001	.0003
%RSD	.4512	3.047	8.169	.7803	.3677	.3413	.1333	.0873	5.651
#1	.3374	.0033	.0021	.0263	.1025	.0906	.7730	.0676	.0047
#2	.3396	.0031	.0019	.0260	.1019	.0911	.7745	.0676	.0051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1300**	**.3140**	**.0244**	**-.0047**	**.1808**	**.0042**	**.0038**	**73.67**	**6.767**
Stddev	.0001	.0005	.0010	.0006	.0006	.0021	.0013	.25	.040
%RSD	.0395	.1705	4.285	13.74	.3528	49.14	33.50	.3369	.5873
#1	.1299	.3137	.0252	-.0042	.1812	.0056	.0047	73.49	6.795
#2	.1300	.3144	.0237	-.0051	.1803	.0027	.0029	73.84	6.739

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**89.45**	**11.77**	**4.674**	**.3225**	**.0204**	**.0025**	**-.0089**	**7.199**	**.0452**
Stddev	.37	.02	.027	.0009	.0002	.0001	.0009	.009	.0006
%RSD	.4191	.1987	.5759	.2845	1.085	3.244	9.840	.1326	1.331
#1	89.72	11.78	4.655	.3219	.0203	.0025	-.0083	7.192	.0448
#2	89.19	11.75	4.693	.3232	.0206	.0026	-.0096	7.205	.0457

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0461**	**1.476**	**.0026**	**.0176**	**.3104**	**.0006**	**.0702**
Stddev	.0001	.003	.0005	.0004	.0021	.0002	.0006
%RSD	.1389	.2273	17.34	2.149	.6793	24.98	.8728
#1	.0461	1.474	.0029	.0179	.3089	.0005	.0706
#2	.0462	1.479	.0023	.0174	.3119	.0007	.0697

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76869.**	**14384.**	**2473.7**	**3623.8**
Stddev	288.	23.	.4	3.9
%RSD	.37445	.16301	.01473	.10752
#1	76665.	14367.	2473.4	3621.0
#2	77072.	14401.	2474.0	3626.5

Zoom In Zoom Out

Sample Name: jb67967-6 Acquired: 6/10/2014 1:02:53 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.002**	**.0081**	**.0028**	**.0730**	**.1977**	**.4191**	**2.437**	**.1684**	**.0095**
Stddev	.004	.0000	.0001	.0020	.0041	.0093	.054	.0044	.0005
%RSD	.4475	.1032	3.396	2.770	2.088	2.219	2.218	2.618	5.753
#1	.9988	.0081	.0029	.0715	.1947	.4125	2.399	.1653	.0098
#2	1.005	.0081	.0028	.0744	.2006	.4256	2.476	.1715	.0091

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2657**	**.4127**	**.0411**	**-.0096**	**.1158**	**-.0004**	**.0062**	**89.64**	**45.35**
Stddev	.0053	.0112	.0019	.0001	.0003	.0015	.0000	.37	.30
%RSD	1.980	2.704	4.544	.7390	.2595	344.3	.0839	.4171	.6544
#1	.2620	.4048	.0397	-.0096	.1155	.0006	.0062	89.38	45.14
#2	.2694	.4206	.0424	-.0097	.1160	-.0015	.0062	89.91	45.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**187.1**	**49.67**	**22.25**	**1.212**	**.0950**	**.0044**	**-.0232**	**7.150**	**.0523**
Stddev	1.2	.41	.14	.010	.0032	.0004	.0021	.188	.0007
%RSD	.6672	.8265	.6513	.8470	3.411	7.997	8.844	2.622	1.356
#1	186.3	49.38	22.15	1.205	.0927	.0041	-.0217	7.017	.0518
#2	188.0	49.96	22.36	1.219	.0973	.0046	-.0246	7.282	.0528

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1227**	**4.329**	**.0039**	**.0676**	**.2600**	**.0069**	**.1842**
Stddev	.0007	.091	.0007	.0013	.0048	.0010	.0003
%RSD	.5503	2.106	17.83	1.986	1.833	14.79	.1590
#1	.1222	4.264	.0044	.0667	.2566	.0062	.1840
#2	.1232	4.393	.0034	.0686	.2634	.0076	.1844

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76602.**	**14436.**	**2494.1**	**3527.9**
Stddev	1312.	84.	51.4	73.2
%RSD	1.7133	.58508	2.0593	2.0761
#1	77530.	14496.	2530.5	3579.7
#2	75674.	14377.	2457.8	3476.1

Zoom In Zoom Out

Sample Name: jb67967-7 Acquired: 6/10/2014 1:08:47 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.374**	**.0037**	**.0132**	**.0658**	**.8420**	**.4914**	**.4139**	**.1651**	**.0076**
Stddev	.000	.0001	.0001	.0000	.0043	.0017	.0006	.0005	.0007
%RSD	.0148	1.401	.3822	.0566	.5052	.3426	.1438	.2904	9.293
#1	1.374	.0037	.0132	.0658	.8450	.4902	.4143	.1655	.0071
#2	1.374	.0036	.0133	.0659	.8390	.4926	.4134	.1648	.0081

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3102**	**1.947**	**.2123**	**-.0102**	**2.442**	**.0250**	**.0396**	**54.85**	**17.27**
Stddev	.0000	.002	.0002	.0013	.000	.0008	.0009	.12	.12
%RSD	.0074	.0815	.0731	12.60	.0029	3.162	2.310	.2150	.7185
#1	.3102	1.946	.2122	-.0111	2.442	.0255	.0403	54.77	17.36
#2	.3102	1.948	.2124	-.0093	2.442	.0244	.0390	54.93	17.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**95.50**	**11.37**	**4.949**	**.6517**	**.0323**	**.0133**	**-.0074**	**6.813**	**.1545**
Stddev	.55	.03	.035	.0049	.0005	.0002	.0009	.010	.0004
%RSD	.5772	.2366	.7097	.7562	1.500	1.661	12.22	.1415	.2595
#1	95.89	11.39	4.924	.6482	.0327	.0134	-.0081	6.820	.1548
#2	95.11	11.35	4.974	.6552	.0320	.0131	-.0068	6.806	.1543

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1134**	**1.697**	**.0051**	**.0081**	**10.37**	**.0051**	**.0680**
Stddev	.0000	.003	.0002	.0001	.01	.0014	.0003
%RSD	.0129	.1485	4.887	1.217	.1449	26.47	.5052
#1	.1133	1.699	.0049	.0082	10.35	.0042	.0677
#2	.1134	1.695	.0053	.0080	10.38	.0061	.0682

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77433.**	**14585.**	**2469.3**	**3642.0**
Stddev	249.	83.	.6	2.2
%RSD	.32120	.56798	.02443	.06000
#1	77257.	14526.	2468.9	3643.5
#2	77609.	14643.	2469.7	3640.5

Zoom In Zoom Out

Sample Name: jb67967-8 Acquired: 6/10/2014 1:14:41 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.117**	**.0071**	**.0036**	**.0632**	**.1591**	**.8189**	**3.844**	**.1375**	**.0075**
Stddev	.006	.0000	.0000	.0009	.0021	.0145	.038	.0027	.0009
%RSD	.5676	.3510	.5630	1.452	1.302	1.768	.9984	1.935	11.70
#1	1.121	.0071	.0036	.0639	.1605	.8291	3.872	.1394	.0069
#2	1.112	.0071	.0036	.0626	.1576	.8086	3.817	.1357	.0082

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2798**	**.4594**	**.0737**	**-.0102**	**.0932**	**-.0016**	**.0061**	**77.83**	**16.46**
Stddev	.0029	.0083	.0027	.0009	.0012	.0001	.0011	.34	.07
%RSD	1.027	1.810	3.608	9.301	1.273	5.466	18.87	.4358	.4326
#1	.2819	.4653	.0756	-.0109	.0940	-.0015	.0069	78.07	16.52
#2	.2778	.4535	.0718	-.0095	.0924	-.0017	.0053	77.59	16.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**186.9**	**34.26**	**18.38**	**1.068**	**.0871**	**.0071**	**-.0207**	**10.11**	**.0490**
Stddev	.8	.06	.04	.008	.0010	.0007	.0004	.18	.0006
%RSD	.4401	.1793	.2313	.7336	1.136	9.695	1.949	1.808	1.303
#1	187.5	34.31	18.41	1.073	.0878	.0076	-.0210	10.24	.0494
#2	186.3	34.22	18.35	1.062	.0864	.0066	-.0204	9.984	.0485

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0893**	**3.416**	**.0138**	**.0716**	**.2740**	**.0046**	**.1369**
Stddev	.0004	.042	.0017	.0003	.0057	.0008	.0011
%RSD	.4361	1.240	12.18	.4786	2.091	16.22	.7796
#1	.0896	3.446	.0150	.0719	.2781	.0052	.1377
#2	.0890	3.386	.0127	.0714	.2700	.0041	.1361

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	78217.	14723.	2527.7	3573.6
Stddev	775.	54.	41.0	50.8
%RSD	.99088	.36994	1.6227	1.4211
#1	77669.	14684.	2498.7	3537.6
#2	78765.	14761.	2556.7	3609.5

Zoom In Zoom Out

Sample Name: jb68234-1 Acquired: 6/10/2014 1:20:37 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.039**	**.0096**	**.0059**	**.1853**	**.1677**	**.4390**	**3.021**	**.3134**	**.0022**
Stddev	.005	.0001	.0001	.0000	.0000	.0007	.007	.0001	.0008
%RSD	.4703	1.400	1.368	.0051	.0044	.1515	.2186	.0399	38.39
#1	1.042	.0096	.0058	.1853	.1677	.4395	3.025	.3134	.0028
#2	1.035	.0095	.0059	.1853	.1677	.4385	3.016	.3133	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5210**	**.4626**	**.1653**	**-.0125**	**.2251**	**-.0005**	**.0126**	**178.0**	**9.210**
Stddev	.0021	.0008	.0021	.0022	.0008	.0030	.0012	.7	.007
%RSD	.4071	.1810	1.276	17.95	.3650	603.3	9.654	.4088	.0723
#1	.5225	.4620	.1668	-.0141	.2245	.0016	.0135	178.5	9.215
#2	.5195	.4632	.1638	-.0109	.2257	-.0026	.0118	177.5	9.206

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**338.1**	**24.81**	**15.50**	**.3023**	**.0325**	**.0620**	**-.0481**	**8.904**	**.0454**
Stddev	.7	.10	.08	.0049	.0007	.0004	.0016	.006	.0007
%RSD	.1962	.4088	.4964	1.619	2.090	.6709	3.380	.0650	1.530
#1	338.6	24.74	15.56	.3058	.0330	.0623	-.0469	8.908	.0459
#2	337.7	24.88	15.45	.2989	.0321	.0617	-.0492	8.900	.0449

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0595**	**3.099**	**.0103**	**.1206**	**.1710**	**.0239**	**.1918**
Stddev	.0002	.006	.0010	.0008	.0005	.0012	.0012
%RSD	.2569	.1866	9.703	.6370	.3161	4.850	.6346
#1	.0596	3.103	.0095	.1211	.1714	.0247	.1927
#2	.0594	3.095	.0110	.1200	.1706	.0231	.1909

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	81382.	15615.	2584.3	3518.4
Stddev	226.	22.	4.8	6.0
%RSD	.27824	.14346	.18713	.16916
#1	81222.	15630.	2580.8	3514.2
#2	81543.	15599.	2587.7	3522.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 1:26:32 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.116**	**2.071**	**2.133**	**2.131**	**2.112**	**1.987**	**2.012**	**2.100**	**.2577**
Stddev	.005	.002	.017	.022	.006	.003	.006	.023	.0004
%RSD	.2206	.0904	.7962	1.017	.3087	.1736	.3135	1.075	.1734
#1	2.112	2.070	2.121	2.116	2.117	1.984	2.017	2.084	.2580
#2	2.119	2.073	2.145	2.147	2.107	1.989	2.008	2.116	.2574
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	**2.071**	**2.148**	**2.082**	**2.158**	**2.125**	**2.100**	**2.127**	**39.60**	**41.70**
Stddev	.004	.027	.020	.020	.024	.019	.015	.04	.11
%RSD	.1701	1.255	.9738	.9229	1.129	.8879	.7107	.1050	.2666
#1	2.073	2.129	2.067	2.144	2.108	2.087	2.116	39.57	41.62
#2	2.068	2.167	2.096	2.172	2.142	2.113	2.137	39.62	41.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.14**	**41.15**	**41.79**	**42.12**	**2.136**	**2.093**	**2.046**	**5.305**	**2.124**
Stddev	.10	.14	.07	.15	.021	.020	.014	.043	.022
%RSD	.2379	.3287	.1695	.3490	.9890	.9597	.6778	.8189	1.031
#1	41.07	41.06	41.74	42.02	2.121	2.079	2.036	5.274	2.108
#2	41.21	41.25	41.84	42.22	2.151	2.107	2.056	5.335	2.139
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 1:26:32 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.128**	**2.078**	**1.968**	**2.070**	**2.083**	**2.060**	**2.071**
Stddev	.006	.005	.049	.001	.022	.011	.011
%RSD	.2963	.2656	2.511	.0599	1.056	.5198	.5310
#1	2.123	2.082	1.933	2.071	2.067	2.052	2.063
#2	2.132	2.074	2.003	2.069	2.098	2.068	2.079
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	74103.	13996.	2378.1	3438.8
Stddev	153.	69.	19.7	29.3
%RSD	.20583	.49650	.82992	.85089
#1	73995.	13946.	2392.1	3459.5
#2	74210.	14045.	2364.2	3418.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 1:32:22 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0000**	**.0004**	F **.0023**	**.0003**	**.0001**	**.0004**
Stddev	.0000	.0000	.0001	.0002	.0001	.0002	.0000	.0002	.0001
%RSD	1.704	36.43	84.67	1184.	31.69	10.39	2.394	168.4	25.25
#1	.0002	.0001	.0002	.0001	.0003	.0025	.0003	.0003	.0004
#2	.0002	.0002	.0000	-.0001	.0004	.0021	.0003	-.0000	.0003
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**	**.0001**	**-.0003**	**-.0003**	**-.0001**	**.0008**	**.0009**	**-.0077**	**.0100**
Stddev	.0000	.0000	.0007	.0003	.0002	.0006	.0000	.0053	.0015
%RSD	9.629	7.008	261.0	102.2	277.5	71.06	3.894	68.19	15.40
#1	-.0004	.0001	-.0008	-.0005	-.0002	.0004	.0009	-.0115	.0089
#2	-.0003	.0001	.0002	-.0001	.0001	.0013	.0009	-.0040	.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	**.0210**	**.0037**	**.0007**	**.0034**	**-.0000**	**.0009**	**-.0009**	**.0034**	**-.0002**
Stddev	.0014	.0306	.0123	.0019	.0003	.0003	.0001	.0002	.0008
%RSD	6.755	823.8	1750.	56.42	4680.	30.02	10.99	4.810	447.5
#1	.0200	-.0179	-.0080	.0020	.0002	.0011	-.0009	.0033	-.0008
#2	.0220	.0253	.0094	.0047	-.0002	.0007	-.0008	.0035	.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: 6/10/2014 1:32:22 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0112**	**.0007**	**-.0062**	**-.0016**	**.0012**
Stddev	.0000	.0000	.0023	.0000	.0014	.0006	.0003
%RSD	16.32	155.7	20.93	1.189	23.28	36.85	24.59
#1	.0001	-.0000	.0129	.0007	-.0052	-.0020	.0014
#2	.0001	.0001	.0096	.0007	-.0072	-.0012	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77240.**	**14078.**	**2534.0**	**3866.7**
Stddev	230.	36.	8.7	16.8
%RSD	.29818	.25240	.34165	.43406
#1	77077.	14053.	2540.1	3878.5
#2	77403.	14104.	2527.9	3854.8

Zoom In Zoom Out

Sample Name: jb68234-2 Acquired: 6/10/2014 1:38:28 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9677**	**.0096**	**.0036**	**.1110**	**.1756**	**.1744**	**6.898**	**.2349**	**.0094**
Stddev	.0062	.0000	.0001	.0007	.0025	.0018	.079	.0010	.0006
%RSD	.6366	.2566	3.763	.6718	1.403	1.023	1.138	.4194	6.666
#1	.9721	.0096	.0035	.1104	.1773	.1756	6.953	.2342	.0099
#2	.9633	.0096	.0037	.1115	.1739	.1731	6.842	.2355	.0090

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3183**	**.6843**	**.0614**	**-.0107**	**.1588**	**.0007**	**.0045**	**214.0**	**12.11**
Stddev	.0043	.0021	.0005	.0009	.0012	.0009	.0014	1.2	.08
%RSD	1.355	.3061	.8665	8.592	.7555	139.0	32.18	.5546	.6578
#1	.3213	.6828	.0610	-.0114	.1580	.0013	.0034	214.8	12.16
#2	.3152	.6858	.0618	-.0101	.1597	.0000	.0055	213.2	12.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**242.1**	**71.71**	**20.18**	**.4523**	**.0365**	**.0079**	**-.0306**	**11.78**	**.0614**
Stddev	1.5	.55	.18	.0024	.0004	.0003	.0005	.00	.0004
%RSD	.6030	.7722	.9055	.5385	1.164	3.634	1.492	.0000	.6654
#1	243.1	72.11	20.31	.4540	.0362	.0081	-.0310	11.78	.0611
#2	241.0	71.32	20.05	.4505	.0368	.0077	-.0303	11.78	.0617

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0891**	**7.303**	**.0306**	**.0998**	**.2909**	**.0142**	**.4172**
Stddev	.0004	.063	.0015	.0014	.0031	.0004	.0035
%RSD	.4514	.8614	4.933	1.387	1.049	3.146	.8367
#1	.0893	7.348	.0317	.1008	.2887	.0145	.4197
#2	.0888	7.259	.0295	.0988	.2931	.0139	.4147

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79708.**	**15500.**	**2533.9**	**3432.9**
Stddev	522.	79.	6.3	1.0
%RSD	.65466	.50847	.24960	.02974
#1	79339.	15444.	2529.4	3433.7
#2	80077.	15556.	2538.3	3432.2

Zoom In Zoom Out

Sample Name: jb68234-3 Acquired: 6/10/2014 1:44:27 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9180**	**.0114**	**.0055**	**.1702**	**.1775**	**.2953**	**9.142**	**.3130**	**.0077**
Stddev	.0007	.0000	.0001	.0003	.0000	.0007	.082	.0007	.0001
%RSD	.0714	.2213	1.706	.1568	.0094	.2430	.8996	.2293	.8409
#1	.9175	.0114	.0056	.1704	.1774	.2958	9.083	.3125	.0076
#2	.9185	.0114	.0054	.1700	.1775	.2948	9.200	.3135	.0077

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3025**	**.7233**	**.0987**	**-.0116**	**.2337**	**-.0009**	**.0070**	**226.2**	**32.42**
Stddev	.0004	.0002	.0001	.0003	.0015	.0007	.0011	.6	.05
%RSD	.1443	.0302	.1313	2.770	.6274	79.68	16.27	.2533	.1643
#1	.3028	.7231	.0988	-.0118	.2347	-.0015	.0062	225.8	32.38
#2	.3022	.7234	.0986	-.0114	.2326	-.0004	.0078	226.6	32.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**331.8**	**157.1**	**20.83**	**.5843**	**.0389**	**.0114**	**-.0497**	**10.76**	**.0674**
Stddev	.6	.7	.08	.0010	.0003	.0001	.0003	.03	.0006
%RSD	.1759	.4583	.3987	.1672	.8420	1.290	.5959	.2986	.9430
#1	331.3	156.5	20.77	.5836	.0391	.0115	-.0495	10.78	.0679
#2	332.2	157.6	20.89	.5850	.0387	.0113	-.0500	10.73	.0670

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0720**	**9.458**	**.0241**	**.1421**	**.3560**	**.0264**	**.6729**
Stddev	.0001	.015	.0004	.0006	.0019	.0010	.0026
%RSD	.1788	.1615	1.688	.4199	.5245	3.611	.3804
#1	.0721	9.469	.0244	.1425	.3547	.0257	.6711
#2	.0719	9.448	.0238	.1417	.3573	.0271	.6747

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86334.**	**16836.**	**2723.5**	**3350.7**
Stddev	36.	23.	7.8	4.1
%RSD	.04119	.13819	.28591	.12320
#1	86309.	16852.	2718.0	3347.8
#2	86359.	16819.	2729.0	3353.6

Zoom In Zoom Out

Sample Name: jb68234-4 Acquired: 6/10/2014 1:50:27 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6221**	**.0101**	**.0038**	**.0900**	**.1521**	**.3079**	**4.780**	**.4915**	**.0090**
Stddev	.0017	.0000	.0004	.0001	.0015	.0002	.033	.0023	.0008
%RSD	.2685	.2500	9.972	.1198	1.014	.0767	.6812	.4669	9.307
#1	.6233	.0101	.0041	.0900	.1532	.3081	4.803	.4899	.0084
#2	.6209	.0101	.0035	.0901	.1510	.3078	4.757	.4931	.0096

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3041**	**.6528**	**.0629**	**-.0119**	**.1930**	**-.0015**	**.0060**	**253.6**	**18.26**
Stddev	.0002	.0036	.0019	.0001	.0019	.0022	.0010	.1	.02
%RSD	.0497	.5528	3.070	.9432	.9770	150.0	16.30	.0349	.0857
#1	.3042	.6502	.0642	-.0118	.1943	-.0031	.0053	253.6	18.25
#2	.3040	.6553	.0615	-.0119	.1916	.0001	.0067	253.5	18.28

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**263.2**	**124.0**	**17.41**	**.5052**	**.0254**	**.0344**	**-.0391**	**7.986**	**.0551**
Stddev	.4	.2	.04	.0007	.0003	.0000	.0013	.004	.0004
%RSD	.1569	.1600	.2339	.1309	1.149	.0595	3.354	.0534	.7650
#1	263.0	123.8	17.44	.5048	.0256	.0344	-.0382	7.989	.0548
#2	263.5	124.1	17.38	.5057	.0252	.0344	-.0400	7.983	.0554

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0884**	**10.05**	**.0070**	**.1294**	**.3095**	**.0205**	**.7088**
Stddev	.0001	.03	.0017	.0002	.0044	.0003	.0019
%RSD	.1692	.3301	24.77	.1563	1.421	1.567	.2726
#1	.0885	10.08	.0082	.1295	.3126	.0202	.7102
#2	.0883	10.03	.0057	.1293	.3064	.0207	.7075

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83785.**	**16375.**	**2656.7**	**3374.9**
Stddev	198.	23.	1.1	3.7
%RSD	.23628	.13804	.04226	.10873
#1	83645.	16359.	2655.9	3377.5
#2	83925.	16391.	2657.5	3372.3

Zoom In Zoom Out

Sample Name: jb68234-5 Acquired: 6/10/2014 1:56:20 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.007**	**.0072**	**.0030**	**.0500**	**.1794**	**.3956**	**.5007**	**.2559**	**.0154**
Stddev	.007	.0001	.0001	.0007	.0005	.0042	.0021	.0021	.0018
%RSD	.7470	1.941	3.430	1.315	.2815	1.056	.4224	.8219	11.89
#1	1.012	.0073	.0030	.0495	.1790	.3985	.4992	.2544	.0166
#2	1.002	.0071	.0029	.0505	.1797	.3926	.5022	.2574	.0141

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2371**	**.8401**	**.0242**	**-.0221**	**.0727**	**.0026**	**.0050**	**248.6**	**227.1**
Stddev	.0002	.0075	.0005	.0004	.0010	.0001	.0014	2.3	2.7
%RSD	.0832	.8881	2.019	1.608	1.381	2.549	27.87	.9108	1.175
#1	.2370	.8348	.0246	-.0224	.0734	.0026	.0060	250.2	229.0
#2	.2372	.8454	.0239	-.0219	.0720	.0025	.0040	247.0	225.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**202.1**	**304.3**	**46.48**	**1.966**	**.0287**	**.0012**	**-.0301**	**9.245**	**.0715**
Stddev	2.6	3.4	.34	.017	.0015	.0002	.0002	.052	.0007
%RSD	1.273	1.101	.7369	.8523	5.249	18.47	.6947	.5610	1.011
#1	203.9	306.7	46.72	1.977	.0298	.0011	-.0300	9.208	.0710
#2	200.3	302.0	46.24	1.954	.0277	.0014	-.0303	9.281	.0720

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4276**	**11.71**	**-.0165**	**.1294**	**.0620**	**.0154**	**.7658**
Stddev	.0040	.01	.0019	.0004	.0010	.0016	.0065
%RSD	.9379	.0450	11.50	.3375	1.644	10.30	.8470
#1	.4304	11.72	-.0152	.1297	.0613	.0165	.7704
#2	.4247	11.71	-.0179	.1291	.0627	.0143	.7612

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84903.**	**16771.**	**2596.2**	**3077.7**
Stddev	169.	158.	2.9	11.0
%RSD	.19952	.93941	.11262	.35662
#1	84784.	16659.	2598.3	3085.4
#2	85023.	16882.	2594.1	3069.9

Zoom In Zoom Out

Sample Name: jb68234-6 Acquired: 6/10/2014 2:02:15 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4426**	**.0063**	**.0026**	**.0432**	**.1005**	**.1647**	**2.261**	**.1438**	**.0243**
Stddev	.0000	.0001	.0002	.0006	.0001	.0004	.004	.0012	.0003
%RSD	.0008	1.435	9.132	1.418	.1163	.2322	.1690	.8386	1.087
#1	.4426	.0063	.0025	.0427	.1006	.1645	2.264	.1430	.0241
#2	.4426	.0064	.0028	.0436	.1004	.1650	2.258	.1447	.0245

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1905**	**.3628**	**.0320**	**-.0087**	**.0884**	**.0140**	**.0028**	**153.7**	**1046.**
Stddev	.0000	.0018	.0002	.0035	.0004	.0012	.0010	.3	9.
%RSD	.0133	.4859	.6944	39.91	.4557	8.465	34.89	.1851	.8640
#1	.1905	.3615	.0321	-.0112	.0882	.0132	.0021	153.5	1039.
#2	.1905	.3640	.0318	-.0062	.0887	.0149	.0035	153.9	1052.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**138.5**	**240.6**	**23.56**	**1.675**	**.0124**	**.0016**	**-.0246**	**10.07**	**.0628**
Stddev	.2	.5	.03	.013	.0002	.0000	.0000	.03	.0004
%RSD	.1405	.1937	.1319	.7581	1.990	.2197	.0226	.2786	.5806
#1	138.4	240.3	23.54	1.684	.0123	.0016	-.0246	10.05	.0631
#2	138.7	241.0	23.58	1.666	.0126	.0016	-.0246	10.09	.0626

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.256**	**8.333**	**-.1256**	**.0953**	**.3877**	**.0191**	**.6060**
Stddev	.002	.003	.0001	.0002	.0034	.0003	.0001
%RSD	.0800	.0304	.0712	.1686	.8892	1.758	.0159
#1	2.257	8.335	-.1256	.0955	.3852	.0189	.6061
#2	2.254	8.331	-.1255	.0952	.3901	.0194	.6059

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71396.**	**14454.**	**2168.2**	**2811.8**
Stddev	191.	.	5.1	10.0
%RSD	.26712	.00135	.23668	.35536
#1	71531.	14454.	2171.8	2818.9
#2	71262.	14454.	2164.5	2804.8

Zoom In Zoom Out

Sample Name: jb68234-7 Acquired: 6/10/2014 2:08:17 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9501**	**.0081**	**.0040**	**.1123**	**.1382**	**1.671**	**7.562**	**.1910**	**.0079**
Stddev	.0011	.0001	.0001	.0008	.0004	.010	.042	.0004	.0004
%RSD	.1164	1.384	1.506	.7120	.2881	.5988	.5571	.1849	4.879
#1	.9509	.0080	.0040	.1117	.1385	1.664	7.591	.1907	.0082
#2	.9493	.0082	.0040	.1129	.1379	1.678	7.532	.1912	.0076

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2390**	**2.024**	**.0569**	**-.0115**	**.4244**	**.0032**	**.0074**	**131.1**	**17.49**
Stddev	.0000	.009	.0010	.0012	.0026	.0043	.0014	.1	.04
%RSD	.0038	.4528	1.712	10.57	.6195	133.9	19.64	.0530	.2170
#1	.2390	2.018	.0563	-.0124	.4226	.0002	.0064	131.1	17.47
#2	.2390	2.031	.0576	-.0107	.4263	.0063	.0084	131.2	17.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**207.3**	**43.34**	**14.82**	**.7740**	**.0223**	**.0079**	**-.0260**	**10.67**	**.1019**
Stddev	.6	.00	.01	.0051	.0003	.0003	.0012	.01	.0004
%RSD	.2939	.0103	.0428	.6531	1.449	4.183	4.746	.1030	.3995
#1	206.8	43.33	14.81	.7776	.0220	.0081	-.0269	10.66	.1017
#2	207.7	43.34	14.82	.7704	.0225	.0076	-.0251	10.68	.1022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2177**	**3.804**	**.0175**	**.0183**	**.6886**	**.0109**	**.2546**
Stddev	.0004	.000	.0001	.0002	.0020	.0007	.0007
%RSD	.1767	.0063	.6355	.8626	.2907	6.475	.2940
#1	.2175	3.804	.0174	.0182	.6872	.0104	.2551
#2	.2180	3.804	.0175	.0184	.6901	.0114	.2541

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83211.**	**15787.**	**2631.1**	**3483.1**
Stddev	49.	67.	2.9	2.7
%RSD	.05864	.42328	.10873	.07785
#1	83177.	15834.	2629.0	3485.1
#2	83246.	15740.	2633.1	3481.2

Zoom In Zoom Out

Sample Name: jb68234-9 Acquired: 6/10/2014 2:14:19 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8701**	**.0104**	**.0052**	**.1627**	**.2609**	**.2244**	**1.764**	**.4150**	**.0111**
Stddev	.0015	.0001	.0001	.0012	.0020	.0015	.001	.0031	.0002
%RSD	.1752	1.036	1.047	.7462	.7841	.6623	.0518	.7469	1.451
#1	.8712	.0104	.0052	.1618	.2624	.2254	1.765	.4128	.0110
#2	.8690	.0103	.0052	.1635	.2595	.2233	1.764	.4172	.0112

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3330**	**.7513**	**.1127**	**-.0230**	**.1608**	**.0061**	**.0105**	**297.5**	**49.29**
Stddev	.0008	.0045	.0003	.0005	.0037	.0026	.0014	.2	.05
%RSD	.2430	.6018	.2439	2.087	2.314	42.60	13.16	.0534	.1085
#1	.3336	.7481	.1125	-.0227	.1582	.0079	.0096	297.4	49.32
#2	.3324	.7545	.1129	-.0233	.1635	.0043	.0115	297.6	49.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**298.5**	**486.4**	**27.49**	**1.379**	**.0176**	**.0142**	**-.0429**	**9.535**	**.0777**
Stddev	.3	.7	.00	.005	.0002	.0000	.0006	.021	.0006
%RSD	.1065	.1464	.0158	.3593	1.096	.3311	1.326	.2179	.7915
#1	298.8	485.9	27.49	1.382	.0178	.0142	-.0433	9.520	.0772
#2	298.3	486.9	27.49	1.375	.0175	.0143	-.0425	9.550	.0781

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1052**	**13.69**	**.0054**	**.1385**	**.2632**	**.0306**	**1.251**
Stddev	.0003	.00	.0005	.0003	.0024	.0006	.005
%RSD	.2407	.0171	9.044	.2182	.9214	1.808	.4407
#1	.1054	13.69	.0058	.1387	.2615	.0302	1.255
#2	.1050	13.68	.0051	.1382	.2649	.0310	1.247

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87604.**	**17554.**	**2713.0**	**3110.8**
Stddev	154.	37.	1.9	7.5
%RSD	.17573	.21237	.06860	.24009
#1	87495.	17527.	2711.7	3116.1
#2	87713.	17580.	2714.3	3105.6

Zoom In Zoom Out

Sample Name: jb68234-10 Acquired: 6/10/2014 2:20:13 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7215**	**.0097**	**.0048**	**.1419**	**.2062**	**.2546**	**3.923**	**.2558**	**.0102**
Stddev	.0000	.0001	.0002	.0008	.0012	.0021	.014	.0004	.0008
%RSD	.0020	1.085	4.753	.5431	.5952	.8378	.3629	.1587	7.741
#1	.7215	.0098	.0047	.1414	.2070	.2531	3.933	.2555	.0108
#2	.7215	.0097	.0050	.1424	.2053	.2561	3.913	.2560	.0097

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3645**	**.6356**	**.0733**	**-.0096**	**.1881**	**.0059**	**.0088**	**246.1**	**15.60**
Stddev	.0004	.0033	.0006	.0022	.0007	.0006	.0027	.1	.08
%RSD	.1222	.5219	.8057	22.57	.3653	10.81	31.15	.0337	.5398
#1	.3642	.6333	.0728	-.0111	.1885	.0063	.0069	246.0	15.66
#2	.3648	.6380	.0737	-.0081	.1876	.0054	.0108	246.1	15.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**316.7**	**78.19**	**19.94**	**.6923**	**.0419**	**.0101**	**-.0375**	**14.76**	**.0724**
Stddev	.9	.05	.03	.0055	.0011	.0010	.0006	.06	.0004
%RSD	.2722	.0588	.1494	.7975	2.572	9.909	1.662	.4061	.5571
#1	317.3	78.22	19.96	.6884	.0411	.0094	-.0370	14.72	.0721
#2	316.1	78.16	19.92	.6962	.0426	.0108	-.0379	14.81	.0726

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1186**	**10.22**	**.0156**	**.1325**	**.4047**	**.0196**	**.5039**
Stddev	.0004	.01	.0039	.0009	.0052	.0030	.0021
%RSD	.3124	.1179	25.10	.6891	1.279	15.26	.4194
#1	.1188	10.23	.0184	.1331	.4010	.0175	.5054
#2	.1183	10.21	.0128	.1318	.4083	.0217	.5024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76363.**	**14753.**	**2417.4**	**3409.8**
Stddev	559.	15.	6.1	7.0
%RSD	.73255	.10430	.25285	.20492
#1	75967.	14742.	2421.7	3414.8
#2	76758.	14764.	2413.0	3404.9

Zoom In Zoom Out

Sample Name: jb68234-11 Acquired: 6/10/2014 2:26:06 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.191**	**.0115**	**.0056**	**.1437**	**.2353**	**.4264**	**5.428**	**.4015**	**.0119**
Stddev	.022	.0004	.0001	.0010	.0126	.0240	.144	.0019	.0084
%RSD	1.842	3.603	1.236	.6689	5.354	5.632	2.650	.4806	70.81
#1	1.175	.0118	.0056	.1430	.2443	.4434	5.530	.4001	.0059
#2	1.206	.0112	.0057	.1444	.2264	.4094	5.327	.4028	.0178

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3349**	**1.075**	**.0538**	**-.0247**	**.2979**	**.0007**	**.0062**	**309.9**	**64.34**
Stddev	.0168	.004	.0007	.0024	.0003	.0022	.0008	6.7	1.47
%RSD	5.008	.3754	1.220	9.795	.0968	324.9	12.24	2.155	2.290
#1	.3468	1.072	.0534	-.0230	.2977	-.0009	.0067	305.2	63.30
#2	.3231	1.078	.0543	-.0264	.2981	.0022	.0057	314.7	65.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**355.5**	**348.3**	**28.42**	**2.070**	**.0306**	**.0062**	**-.0519**	**10.62**	**.0740**
Stddev	7.7	7.6	.60	.046	.0001	.0005	.0021	.01	.0031
%RSD	2.172	2.185	2.119	2.207	.2461	7.882	4.083	.1041	4.178
#1	350.0	343.0	27.99	2.038	.0306	.0058	-.0534	10.61	.0762
#2	361.0	353.7	28.84	2.102	.0305	.0065	-.0504	10.63	.0718

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1609**	**13.08**	**.0095**	**.1536**	**.6979**	**.0325**	**.9090**
Stddev	.0034	.69	.0005	.0066	.0061	.0021	.0165
%RSD	2.124	5.253	5.011	4.311	.8708	6.335	1.818
#1	.1585	13.57	.0092	.1583	.6936	.0339	.8973
#2	.1633	12.60	.0098	.1490	.7022	.0310	.9207

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93088.**	**17680.**	**2788.7**	**3135.8**
Stddev	3815.	403.	.7	1.9
%RSD	4.0985	2.2777	.02487	.06012
#1	90390.	17965.	2788.2	3137.1
#2	95786.	17395.	2789.2	3134.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 2:32:06 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.121**	**2.077**	**2.130**	**2.127**	**2.127**	**2.001**	**2.034**	**2.098**	**.2593**
Stddev	.002	.003	.022	.018	.007	.000	.006	.018	.0002
%RSD	.0950	.1643	1.037	.8220	.3287	.0055	.3079	.8621	.0925
#1	2.122	2.079	2.114	2.114	2.132	2.001	2.038	2.085	.2591
#2	2.119	2.074	2.145	2.139	2.122	2.001	2.029	2.111	.2595
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	**2.080**	**2.147**	**2.077**	**2.155**	**2.128**	**2.102**	**2.121**	**39.83**	**41.58**
Stddev	.006	.017	.018	.025	.020	.012	.022	.06	.05
%RSD	.2920	.7795	.8869	1.143	.9286	.5676	1.019	.1546	.1090
#1	2.084	2.135	2.064	2.138	2.114	2.094	2.105	39.87	41.61
#2	2.076	2.159	2.090	2.173	2.142	2.111	2.136	39.79	41.54
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	**41.14**	**41.27**	**42.04**	**42.21**	**2.131**	**2.089**	**2.062**	**5.285**	**2.123**
Stddev	.02	.07	.08	.01	.024	.021	.004	.052	.017
%RSD	.0413	.1706	.1813	.0227	1.138	.9961	.2168	.9868	.8024
#1	41.16	41.22	42.09	42.22	2.114	2.074	2.059	5.248	2.111
#2	41.13	41.32	41.98	42.21	2.148	2.104	2.065	5.322	2.135
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 2:32:06 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.129**	**2.097**	**1.961**	**2.077**	**2.082**	**2.053**	**2.077**
Stddev	.003	.005	.053	.002	.028	.024	.001
%RSD	.1478	.2227	2.720	.0825	1.366	1.186	.0548
#1	2.132	2.100	1.923	2.078	2.061	2.036	2.077
#2	2.127	2.093	1.998	2.076	2.102	2.070	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73976.**	**13870.**	**2384.7**	**3442.8**
Stddev	250.	57.	17.3	23.9
%RSD	.33796	.40977	.72455	.69346
#1	73799.	13830.	2396.9	3459.6
#2	74153.	13910.	2372.4	3425.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 2:37:55 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0000**	**.0001**	F **.0027**	**.0005**	**.0001**	**.0008**
Stddev	.0001	.0001	.0001	.0001	.0000	.0004	.0001	.0002	.0003
%RSD	33.89	117.6	101.4	196.2	31.79	13.89	10.95	336.9	36.63
#1	.0002	.0002	.0001	-.0000	.0002	.0029	.0005	.0002	.0009
#2	.0003	.0000	.0000	.0001	.0001	.0024	.0005	-.0001	.0006
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**	**.0002**	**-.0003**	**-.0007**	**-.0012**	**.0007**	**.0009**	**.0041**	**.0120**
Stddev	.0002	.0001	.0007	.0004	.0001	.0009	.0004	.0069	.0007
%RSD	71.56	33.45	216.3	56.44	5.585	142.8	50.78	168.1	6.097
#1	-.0001	.0001	.0002	-.0010	-.0012	-.0000	.0012	.0090	.0126
#2	-.0004	.0002	-.0008	-.0004	-.0013	.0013	.0006	-.0008	.0115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0468**	**.0101**	**-.0191**	**.0038**	**.0003**	**.0009**	**-.0013**	**-.0053**	**-.0007**
Stddev	.0013	.0195	.0172	.0001	.0002	.0001	.0003	.0003	.0002
%RSD	2.865	193.1	90.20	3.843	65.03	12.97	23.55	5.149	32.26
#1	.0458	.0238	-.0069	.0039	.0001	.0010	-.0011	-.0055	-.0008
#2	.0477	-.0037	-.0313	.0037	.0004	.0008	-.0015	-.0051	-.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: 6/10/2014 2:37:55 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**.0111**	**.0006**	**.0004**	**-.0020**	**.0011**
Stddev	.0001	.0006	.0033	.0000	.0015	.0004	.0004
%RSD	209.1	69.93	29.16	4.451	369.2	22.23	33.34
#1	.0001	.0004	.0134	.0006	-.0007	-.0017	.0009
#2	-.0000	.0012	.0088	.0006	.0015	-.0023	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77536.**	**13900.**	**2526.9**	**3853.6**
Stddev	596.	9.	23.5	36.8
%RSD	.76814	.06794	.92982	.95501
#1	77957.	13907.	2510.3	3827.6
#2	77115.	13894.	2543.6	3879.6

Zoom In Zoom Out

Sample Name: jb68234-12 Acquired: 6/10/2014 2:44:01 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7208**	**.0103**	**.0045**	**.1925**	**.1590**	**1.230**	**7.864**	**.3016**	**.0119**
Stddev	.0146	.0001	.0002	.0011	.0009	.002	.117	.0001	.0028
%RSD	2.021	1.076	5.243	.5882	.5872	.1431	1.491	.0467	23.55
#1	.7311	.0104	.0047	.1917	.1584	1.231	7.781	.3015	.0139
#2	.7105	.0102	.0044	.1934	.1597	1.229	7.947	.3017	.0099

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1810**	**.5465**	**.0619**	**-.0093**	**.4778**	**.0076**	**.0048**	**152.2**	**85.12**
Stddev	.0013	.0024	.0009	.0004	.0006	.0010	.0002	2.9	1.77
%RSD	.7131	.4307	1.506	4.721	.1162	13.64	4.670	1.937	2.081
#1	.1801	.5448	.0625	-.0096	.4774	.0084	.0050	154.3	86.38
#2	.1819	.5482	.0612	-.0090	.4782	.0069	.0047	150.1	83.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**299.9**	**202.6**	**30.18**	**1.314**	**.0212**	**.0048**	**-.0369**	**12.72**	**.0603**
Stddev	6.1	4.2	.56	.021	.0003	.0001	.0002	.01	.0005
%RSD	2.033	2.086	1.848	1.585	1.432	2.427	.6103	.0582	.8345
#1	304.2	205.6	30.57	1.328	.0210	.0049	-.0370	12.71	.0607
#2	295.6	199.6	29.78	1.299	.0214	.0048	-.0367	12.72	.0600

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1364**	**7.023**	**.0248**	**.1349**	**23.89**	**.0243**	**.5167**
Stddev	.0028	.030	.0012	.0002	.05	.0001	.0088
%RSD	2.033	.4234	5.025	.1445	.2066	.4897	1.695
#1	.1384	7.002	.0257	.1348	23.86	.0244	.5229
#2	.1345	7.044	.0239	.1350	23.93	.0242	.5105

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80840.**	**15415.**	**2534.8**	**3270.1**
Stddev	319.	336.	1.3	6.1
%RSD	.39517	2.1808	.05119	.18649
#1	81066.	15178.	2535.7	3274.4
#2	80615.	15653.	2533.9	3265.8

Zoom In Zoom Out

Sample Name: jb68234-13 Acquired: 6/10/2014 2:50:01 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6126**	**.0038**	**.0139**	**.0366**	**.1064**	**21.98**	**2.236**	**.3306**	**.0145**
Stddev	.0003	.0000	.0002	.0001	.0004	.02	.009	.0006	.0000
%RSD	.0473	.9505	1.706	.3982	.4196	.1116	.4175	.1818	.1476
#1	.6128	.0038	.0138	.0365	.1061	21.99	2.229	.3302	.0146
#2	.6124	.0038	.0141	.0367	.1068	21.96	2.242	.3310	.0145

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1413**	**20.09**	**.0323**	**-.0375**	**3.842**	**.0107**	**.0229**	**90.96**	**12.16**
Stddev	.0005	.04	.0004	.0007	.007	.0008	.0001	.02	.03
%RSD	.3720	.2158	1.154	1.956	.1863	7.870	.5853	.0240	.2854
#1	.1409	20.06	.0326	-.0381	3.837	.0113	.0228	90.95	12.18
#2	.1416	20.12	.0321	-.0370	3.847	.0101	.0230	90.98	12.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**121.8**	**44.97**	**11.85**	**.3058**	**.0199**	**.0108**	**-.0058**	**10.47**	**.7567**
Stddev	.3	.12	.00	.0045	.0003	.0002	.0006	.01	.0028
%RSD	.2187	.2607	.0225	1.460	1.462	1.834	9.509	.0605	.3640
#1	121.9	44.88	11.85	.3089	.0197	.0107	-.0054	10.47	.7548
#2	121.6	45.05	11.85	.3026	.0201	.0109	-.0062	10.48	.7587

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0504**	**4.195**	**.0590**	**.0399**	**.5209**	**-.0097**	**.1770**
Stddev	.0000	.006	.0006	.0000	.0006	.0004	.0003
%RSD	.0271	.1367	.9762	.0285	.1063	4.398	.1528
#1	.0504	4.191	.0586	.0399	.5205	-.0100	.1768
#2	.0504	4.199	.0594	.0399	.5213	-.0094	.1772

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78208.**	**14619.**	**2516.4**	**3538.3**
Stddev	3.	28.	6.5	6.0
%RSD	.00392	.19111	.25660	.16987
#1	78206.	14599.	2511.9	3534.0
#2	78210.	14639.	2521.0	3542.5

Zoom In Zoom Out

Sample Name: jb68234-14 Acquired: 6/10/2014 2:56:02 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6020**	**.0080**	**.0041**	**.0504**	**.1636**	**.4506**	**1.814**	**.2323**	**.0137**
Stddev	.0024	.0001	.0000	.0004	.0003	.0001	.000	.0012	.0008
%RSD	.4039	1.607	.9991	.8534	.1682	.0311	.0240	.5140	6.067
#1	.6037	.0081	.0041	.0501	.1634	.4507	1.814	.2314	.0131
#2	.6002	.0079	.0041	.0507	.1638	.4505	1.813	.2331	.0143

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2498**	**1.226**	**.0318**	**-.0186**	**.1565**	**.0049**	**.0064**	**250.2**	**19.94**
Stddev	.0003	.006	.0013	.0007	.0034	.0017	.0006	1.3	.05
%RSD	.1308	.4704	4.032	3.559	2.144	34.65	8.688	.5018	.2726
#1	.2496	1.222	.0328	-.0181	.1541	.0061	.0060	251.1	19.97
#2	.2500	1.231	.0309	-.0191	.1589	.0037	.0068	249.3	19.90

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**210.7**	**190.0**	**24.91**	**.2837**	**.0245**	**.0065**	**-.0279**	**9.128**	**.0825**
Stddev	.9	.5	.12	.0040	.0004	.0002	.0013	.033	.0001
%RSD	.4165	.2614	.4850	1.397	1.740	3.407	4.616	.3601	.1279
#1	211.3	190.4	25.00	.2865	.0242	.0063	-.0270	9.105	.0825
#2	210.1	189.7	24.83	.2809	.0248	.0066	-.0288	9.151	.0824

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0993**	**11.82**	**.0102**	**.1245**	**.1524**	**.0124**	**.5901**
Stddev	.0006	.00	.0014	.0003	.0010	.0004	.0059
%RSD	.5958	.0288	13.35	.2279	.6725	2.945	1.006
#1	.0998	11.82	.0092	.1243	.1531	.0127	.5943
#2	.0989	11.82	.0111	.1247	.1517	.0122	.5859

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82660.**	**15962.**	**2597.7**	**3283.4**
Stddev	51.	115.	2.2	4.7
%RSD	.06117	.72271	.08527	.14162
#1	82696.	16044.	2599.3	3286.6
#2	82624.	15881.	2596.1	3280.1

Zoom In Zoom Out

Sample Name: jb68234-15 Acquired: 6/10/2014 3:01:57 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7279**	**.0098**	**.0040**	**.1285**	**.1494**	**.3559**	**3.697**	**.3055**	**.0188**
Stddev	.0025	.0001	.0002	.0001	.0030	.0081	.062	.0000	.0017
%RSD	.3462	1.433	6.179	.0769	2.009	2.281	1.672	.0075	8.815
#1	.7297	.0097	.0038	.1284	.1473	.3501	3.653	.3056	.0200
#2	.7261	.0099	.0042	.1285	.1515	.3616	3.741	.3055	.0177

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1699**	**.6869**	**.0676**	**-.0128**	**.1034**	**.0059**	**.0080**	**212.5**	**62.27**
Stddev	.0032	.0025	.0014	.0001	.0015	.0036	.0006	.3	.06
%RSD	1.890	.3646	2.027	.7297	1.424	61.10	8.006	.1627	.0953
#1	.1677	.6851	.0667	-.0127	.1024	.0033	.0075	212.8	62.32
#2	.1722	.6886	.0686	-.0129	.1045	.0084	.0084	212.3	62.23

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**217.2**	**309.8**	**46.46**	**.5361**	**.0236**	**.0181**	**-.0279**	**10.95**	**.0769**
Stddev	.1	.1	.04	.0078	.0013	.0001	.0002	.01	.0017
%RSD	.0514	.0339	.0934	1.449	5.399	.4207	.6148	.0653	2.150
#1	217.3	309.9	46.49	.5307	.0227	.0181	-.0281	10.95	.0758
#2	217.1	309.7	46.43	.5416	.0245	.0182	-.0278	10.94	.0781

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1076**	**11.61**	**.0114**	**.1699**	**.1271**	**.0120**	**.8236**
Stddev	.0003	.22	.0007	.0037	.0014	.0003	.0023
%RSD	.3165	1.860	6.533	2.160	1.132	2.752	.2785
#1	.1078	11.45	.0109	.1673	.1261	.0117	.8252
#2	.1073	11.76	.0119	.1725	.1281	.0122	.8220

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80210.**	**14947.**	**2493.5**	**3203.0**
Stddev	1653.	12.	1.6	4.8
%RSD	2.0609	.07822	.06459	.15081
#1	81379.	14938.	2494.6	3206.5
#2	79041.	14955.	2492.3	3199.6

Zoom In Zoom Out

Sample Name: jb68234-16 Acquired: 6/10/2014 3:07:52 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7025**	**.0046**	**.0107**	**.0675**	**.1972**	**36.78**	**1.591**	**.8257**	**.0203**
Stddev	.0020	.0000	.0003	.0006	.0015	.59	.017	.0039	.0011
%RSD	.2884	1.027	2.422	.8318	.7631	1.612	1.051	.4671	5.508
#1	.7039	.0045	.0109	.0671	.1983	37.19	1.603	.8229	.0195
#2	.7010	.0046	.0105	.0679	.1962	36.36	1.579	.8284	.0210

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1733**	**14.47**	**.0477**	**-.0330**	**4.685**	**.0050**	**.0405**	**103.8**	**25.38**
Stddev	.0009	.09	.0001	.0003	.024	.0039	.0010	.2	.09
%RSD	.5200	.6018	.2939	.9701	.5088	79.59	2.492	.1736	.3615
#1	.1739	14.41	.0476	-.0332	4.668	.0022	.0398	103.9	25.44
#2	.1727	14.53	.0478	-.0327	4.702	.0077	.0412	103.7	25.31

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**195.2**	**71.42**	**10.48**	**.4813**	**.0287**	**.0096**	**-.0149**	**10.95**	**1.384**
Stddev	.5	.00	.03	.0015	.0004	.0001	.0002	.01	.006
%RSD	.2484	.0018	.2916	.3089	1.294	1.112	1.475	.0561	.4569
#1	195.6	71.42	10.50	.4824	.0284	.0095	-.0151	10.94	1.380
#2	194.9	71.42	10.46	.4803	.0290	.0097	-.0148	10.95	1.389

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0915**	**3.815**	**.0622**	**.0339**	**1.676**	**-.0113**	**.1925**
Stddev	.0001	.029	.0004	.0000	.009	.0005	.0009
%RSD	.1042	.7706	.5919	.1084	.5146	4.299	.4700
#1	.0916	3.836	.0619	.0339	1.670	-.0110	.1931
#2	.0915	3.794	.0624	.0338	1.683	-.0116	.1919

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77215.**	**14785.**	**2451.2**	**3480.1**
Stddev	719.	31.	4.0	9.4
%RSD	.93171	.20728	.16197	.27007
#1	76707.	14763.	2454.0	3486.7
#2	77724.	14806.	2448.4	3473.4

Zoom In Zoom Out

Sample Name: mp79878-mb2 2 Acquired: 6/10/2014 3:13:50 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**.0000**	**.0001**	**-.0002**	**.0037**	**.0097**	**.0009**	**.0182**	**.0007**
Stddev	.0001	.0001	.0002	.0001	.0000	.0014	.0000	.0007	.0007
%RSD	19.68	131.1	148.2	58.91	1.014	14.45	.6980	3.600	98.65
#1	.0004	.0000	.0002	-.0003	.0038	.0107	.0009	.0177	.0002
#2	.0006	.0001	-.0000	-.0001	.0037	.0087	.0009	.0187	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0006**	**.0037**	**-.0010**	**-.0040**	**.0005**	**.0021**	**.0014**	**.0299**	**.1410**
Stddev	.0000	.0000	.0004	.0020	.0009	.0022	.0008	.0034	.0042
%RSD	3.542	.0289	37.92	48.83	170.4	106.2	58.82	11.40	3.006
#1	-.0007	.0037	-.0007	-.0054	-.0001	.0005	.0020	.0275	.1380
#2	-.0006	.0037	-.0013	-.0026	.0011	.0036	.0008	.0323	.1440

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0978**	**.0477**	**.0451**	**.0497**	**.0001**	**.0037**	**-.0001**	**.0314**	**.0325**
Stddev	.0003	.0008	.0228	.0050	.0001	.0004	.0004	.0026	.0013
%RSD	.2819	1.614	50.65	10.04	95.09	9.434	337.4	8.275	3.920
#1	.0980	.0483	.0612	.0462	.0000	.0035	-.0004	.0296	.0316
#2	.0976	.0472	.0289	.0532	.0001	.0040	.0002	.0332	.0334

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0018**	**-.0051**	**-.0001**	**.0027**	**-.0048**	**.0002**
Stddev	.0001	.0006	.0001	.0001	.0021	.0005	.0001
%RSD	18.81	33.22	1.815	191.0	78.53	11.13	43.95
#1	.0003	.0014	-.0051	.0000	.0012	-.0051	.0002
#2	.0004	.0023	-.0050	-.0002	.0043	-.0044	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77697.**	**14148.**	**2534.2**	**3868.2**
Stddev	257.	51.	107.3	158.4
%RSD	.33025	.35951	4.2331	4.0945
#1	77516.	14184.	2610.1	3980.2
#2	77879.	14112.	2458.4	3756.2

Zoom In Zoom Out

Sample Name: mp79878-lc1 Acquired: 6/10/2014 3:19:54 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.505**	**.7381**	**.8609**	**.4085**	**.6950**	**.3742**	**3.138**	**1.838**	**.2441**
Stddev	.004	.0031	.0015	.0019	.0004	.0011	.006	.007	.0010
%RSD	.2832	.4208	.1746	.4730	.0632	.3059	.2066	.3582	.4015
#1	1.508	.7403	.8598	.4071	.6953	.3733	3.133	1.834	.2434
#2	1.502	.7359	.8619	.4098	.6947	.3750	3.142	1.843	.2448

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6936**	**1.804**	**.8596**	**1.538**	**1.469**	**.9593**	**.6782**	**59.30**	**36.76**
Stddev	.0007	.013	.0008	.004	.007	.0007	.0020	.17	.10
%RSD	.0952	.7175	.0938	.2547	.4803	.0765	.2996	.2917	.2842
#1	.6931	1.795	.8591	1.535	1.464	.9588	.6768	59.42	36.83
#2	.6941	1.813	.8602	1.541	1.474	.9598	.6797	59.18	36.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**82.61**	**21.83**	**19.70**	**4.436**	**.7197**	**.4796**	**-.0084**	**6.354**	**.6905**
Stddev	.14	.00	.10	.030	.0007	.0010	.0011	.004	.0022
%RSD	.1704	.0025	.5287	.6870	.1010	.2018	13.05	.0688	.3219
#1	82.71	21.83	19.77	4.457	.7202	.4789	-.0091	6.351	.6889
#2	82.51	21.82	19.62	4.414	.7192	.4803	-.0076	6.357	.6921

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6544**	**2.381**	**.0210**	**.0586**	**1.320**	**.0013**	**.0516**
Stddev	.0019	.005	.0009	.0003	.005	.0010	.0000
%RSD	.2970	.1955	4.092	.4671	.3733	83.16	.0127
#1	.6558	2.378	.0216	.0584	1.317	.0005	.0516
#2	.6531	2.385	.0204	.0588	1.324	.0020	.0516

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76626.**	**14342.**	**2452.7**	**3535.6**
Stddev	31.	21.	1.2	4.6
%RSD	.04057	.14801	.04889	.12927
#1	76648.	14327.	2453.5	3538.9
#2	76604.	14357.	2451.8	3532.4

Zoom In Zoom Out

Sample Name: mp79878-b2 Acquired: 6/10/2014 3:25:43 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.302**	**.1074**	**.1016**	**1.048**	**.4244**	**.4836**	**.9993**	**1.056**	**.1034**
Stddev	.046	.0017	.0011	.009	.0106	.0107	.0275	.009	.0015
%RSD	1.074	1.588	1.067	.8219	2.500	2.214	2.756	.8456	1.460
#1	4.269	.1062	.1008	1.042	.4319	.4912	1.019	1.049	.1044
#2	4.335	.1086	.1023	1.054	.4169	.4760	.9798	1.062	.1023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9858**	**1.065**	**4.050**	**4.137**	**1.020**	**4.113**	**.9707**	**53.65**	**13.40**
Stddev	.0260	.010	.037	.040	.010	.031	.0059	.68	.21
%RSD	2.637	.9259	.9168	.9557	.9658	.7485	.6068	1.267	1.544
#1	1.004	1.058	4.024	4.109	1.013	4.091	.9666	53.17	13.25
#2	.9674	1.072	4.077	4.165	1.027	4.135	.9749	54.13	13.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**54.34**	**13.25**	**13.22**	**13.76**	**.0003**	**.0053**	**-.0126**	**.0593**	**.0299**
Stddev	.78	.30	.19	.19	.0001	.0000	.0006	.0006	.0009
%RSD	1.437	2.298	1.433	1.348	31.80	.1228	4.375	.9569	2.909
#1	53.79	13.04	13.08	13.63	.0003	.0053	-.0130	.0597	.0293
#2	54.89	13.47	13.35	13.89	.0002	.0053	-.0123	.0589	.0305

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0043**	**.0398**	**.0013**	**.0089**	**.0027**	**.0001**
Stddev	.0001	.0002	.0005	.0000	.0014	.0005	.0005
%RSD	24.28	4.250	1.224	.1900	15.95	17.37	455.5
#1	.0004	.0044	.0395	.0013	.0079	.0024	.0004
#2	.0003	.0041	.0402	.0013	.0099	.0030	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77886.**	**13854.**	**2460.4**	**3612.9**
Stddev	1698.	130.	9.6	15.8
%RSD	2.1794	.93868	.38920	.43862
#1	76685.	13946.	2467.2	3624.1
#2	79086.	13762.	2453.7	3601.7

Zoom In Zoom Out

Sample Name: mp79878-d1 Acquired: 6/10/2014 3:31:37 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0983**	**.0013**	**.0007**	**.0565**	**.0390**	**.0175**	**.1498**	**.0414**	**.0023**
Stddev	.0003	.0001	.0001	.0001	.0004	.0002	.0004	.0002	.0003
%RSD	.2913	4.020	19.83	.1458	.9519	1.064	.2471	.4527	13.94
#1	.0985	.0013	.0008	.0566	.0388	.0173	.1496	.0415	.0026
#2	.0981	.0012	.0006	.0564	.0393	.0176	.1501	.0412	.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0623**	**.1079**	**.0032**	**-.0025**	**.0310**	**-.0111**	**.0029**	**50.54**	**1.751**
Stddev	.0010	.0008	.0007	.0003	.0002	.0003	.0017	.02	.004
%RSD	1.536	.7514	22.37	12.03	.6742	2.760	57.31	.0451	.2429
#1	.0616	.1073	.0037	-.0027	.0312	-.0108	.0017	50.56	1.754
#2	.0630	.1084	.0027	-.0023	.0309	-.0113	.0041	50.53	1.748

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**30.26**	**1.674**	**1.305**	**.1331**	**.0040**	**.0013**	**-.0013**	**4.446**	**.0375**
Stddev	.05	.037	.006	.0099	.0004	.0000	.0007	.002	.0005
%RSD	.1803	2.192	.4819	7.460	10.83	1.174	56.54	.0419	1.337
#1	30.30	1.700	1.300	.1261	.0043	.0013	-.0008	4.445	.0378
#2	30.23	1.648	1.309	.1401	.0037	.0013	-.0018	4.447	.0371

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0163**	**.9743**	**.1653**	**.0153**	**.1749**	**-.0006**	**.0105**
Stddev	.0001	.0024	.0011	.0001	.0020	.0005	.0009
%RSD	.5072	.2442	.6589	.7322	1.145	78.92	8.410
#1	.0162	.9726	.1645	.0154	.1763	-.0010	.0098
#2	.0163	.9760	.1660	.0152	.1734	-.0003	.0111

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77928.**	**14262.**	**2512.2**	**3769.3**
Stddev	57.	22.	.2	7.2
%RSD	.07252	.15309	.00859	.19087
#1	77888.	14278.	2512.3	3774.4
#2	77968.	14247.	2512.0	3764.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 3:37:38 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.123**	**2.069**	**2.125**	**2.124**	**2.123**	**2.020**	**2.030**	**2.096**	**.2596**
Stddev	.005	.000	.012	.010	.002	.005	.008	.009	.0008
%RSD	.2357	.0216	.5634	.4512	.0945	.2654	.3874	.4420	.2987
#1	2.120	2.068	2.116	2.118	2.124	2.017	2.036	2.089	.2601
#2	2.127	2.069	2.133	2.131	2.121	2.024	2.024	2.102	.2590
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	**2.077**	**2.136**	**2.074**	**2.154**	**2.121**	**2.098**	**2.121**	**39.74**	**41.62**
Stddev	.001	.008	.006	.006	.006	.008	.012	.09	.08
%RSD	.0303	.3609	.2725	.2638	.2673	.3864	.5710	.2352	.2006
#1	2.077	2.131	2.070	2.150	2.117	2.092	2.113	39.67	41.56
#2	2.076	2.142	2.078	2.158	2.125	2.103	2.130	39.80	41.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.08**	**41.12**	**42.21**	**42.32**	**2.128**	**2.086**	**2.083**	**5.281**	**2.118**
Stddev	.08	.03	.14	.15	.011	.011	.005	.029	.007
%RSD	.1889	.0849	.3201	.3577	.5046	.5171	.2274	.5474	.3320
#1	41.03	41.09	42.11	42.22	2.121	2.079	2.086	5.261	2.113
#2	41.14	41.14	42.30	42.43	2.136	2.094	2.080	5.302	2.123
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 3:37:38 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.134**	**2.091**	**1.957**	**2.077**	**2.078**	**2.053**	**2.082**
Stddev	.006	.004	.039	.004	.020	.010	.008
%RSD	.2608	.1843	1.991	.1705	.9497	.5073	.4054
#1	2.130	2.093	1.929	2.075	2.064	2.046	2.076
#2	2.138	2.088	1.984	2.080	2.092	2.061	2.088
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	**74628.**	**13943.**	**2402.2**	**3463.4**
Stddev	61.	32.	13.0	15.3
%RSD	.08216	.23106	.54179	.44202
#1	74585.	13965.	2411.4	3474.2
#2	74671.	13920.	2393.0	3452.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 3:43:29 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0001**	**-.0002**	F **.0024**	**.0001**	**-.0001**	**.0006**
Stddev	.0002	.0001	.0001	.0000	.0001	.0002	.0000	.0001	.0006
%RSD	626.9	299.1	1173.	62.31	83.64	9.187	10.15	110.6	106.7
#1	.0001	.0001	.0001	-.0000	-.0001	.0022	.0001	-.0000	.0010
#2	-.0002	-.0000	-.0001	-.0001	-.0003	.0025	.0002	-.0002	.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	**-.0005**	**.0000**	**.0005**	**.0011**	**-.0003**	**-.0007**	**.0009**	**-.0021**	**.0074**
Stddev	.0003	.0000	.0010	.0018	.0000	.0000	.0000	.0036	.0012
%RSD	69.89	82.14	210.5	165.6	.1283	4.499	3.413	172.9	16.47
#1	-.0002	.0000	-.0002	.0024	-.0003	-.0007	.0009	-.0046	.0065
#2	-.0007	.0000	.0012	-.0002	-.0003	-.0007	.0009	.0005	.0083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0173**	**-.0015**	**-.0027**	**-.0038**	**.0005**	**.0006**	**-.0007**	**-.0011**	**-.0012**
Stddev	.0052	.0062	.0164	.0053	.0004	.0001	.0004	.0004	.0002
%RSD	29.75	409.3	611.4	140.8	79.72	19.02	55.85	33.93	12.98
#1	.0210	-.0059	-.0143	-.0000	.0002	.0005	-.0010	-.0014	-.0011
#2	.0137	.0029	.0089	-.0075	.0008	.0007	-.0004	-.0009	-.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: 6/10/2014 3:43:29 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0002**	**.0124**	**.0006**	**-.0037**	**-.0013**	**.0004**
Stddev	.0001	.0003	.0009	.0001	.0003	.0002	.0009
%RSD	241.6	190.1	7.213	22.14	7.523	14.28	223.6
#1	-.0001	-.0004	.0130	.0007	-.0035	-.0012	-.0002
#2	.0000	.0001	.0118	.0005	-.0039	-.0015	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**78173.**	**14125.**	**2581.1**	**3924.5**
Stddev	342.	37.	13.2	24.8
%RSD	.43769	.25983	.51052	.63118
#1	78415.	14151.	2590.4	3942.0
#2	77931.	14099.	2571.8	3907.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 3:49:34 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2145**	**.0023**	**.0035**	**.0542**	**.0117**	**.0128**	**.0165**	**.0104**	**.0064**
Stddev	.0024	.0000	.0002	.0000	.0001	.0002	.0002	.0002	.0003
%RSD	1.098	1.338	5.051	.0535	1.200	1.857	.9760	1.614	4.579
#1	.2162	.0022	.0036	.0542	.0116	.0129	.0163	.0103	.0066
#2	.2129	.0023	.0034	.0542	.0118	.0126	.0166	.0106	.0061
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	**.0542**	**.0240**	**.0081**	**.0086**	**.0037**	**.0108**	**.0073**	**.2106**	**5.294**
Stddev	.0002	.0000	.0000	.0016	.0003	.0007	.0002	.0126	.074
%RSD	.4417	.1889	.1821	18.51	7.319	6.079	3.396	5.990	1.402
#1	.0541	.0240	.0081	.0098	.0035	.0103	.0074	.2195	5.346
#2	.0544	.0239	.0081	.0075	.0039	.0113	.0071	.2016	5.241
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	**.1240**	**5.251**	**5.347**	**5.292**	**.1084**	**.0209**	**.0565**	**.2249**	**.0105**
Stddev	.0031	.068	.076	.069	.0005	.0002	.0017	.0003	.0007
%RSD	2.467	1.300	1.418	1.297	.4321	.8286	3.067	.1232	6.679
#1	.1218	5.299	5.401	5.340	.1080	.0208	.0577	.2247	.0100
#2	.1261	5.202	5.293	5.243	.1087	.0210	.0552	.2251	.0110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 3:49:34 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0111**	**.0113**	**.0508**	**.0111**	**.0476**	**.0215**	**.0216**
Stddev	.0002	.0004	.0002	.0001	.0017	.0014	.0000
%RSD	1.496	3.514	.3077	1.283	3.663	6.490	.1996
#1	.0112	.0115	.0507	.0110	.0464	.0205	.0216
#2	.0110	.0110	.0509	.0112	.0489	.0225	.0216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77866.**	**14211.**	**2529.0**	**3820.7**
Stddev	769.	152.	4.0	3.7
%RSD	.98732	1.0700	.15777	.09586
#1	78410.	14103.	2526.1	3818.1
#2	77322.	14318.	2531.8	3823.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 3:55:36 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0012**	**.0033**	**.0019**	F **.0052**	**.0035**	**.0046**
Stddev	.0002	.0000	.0002	.0002	.0001	.0002	.0000	.0002
%RSD	3.823	.7941	17.15	5.511	5.343	4.234	.4768	4.816
#1	.0044	.0011	.0014	.0032	.0020	.0053	.0035	.0044
#2	.0041	.0011	.0011	.0034	.0018	.0050	.0035	.0047
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	F **.0018**	**.0015**	F **.0134**	**.0029**	**.0024**	**.0031**	**.0046**	**.0028**
Stddev	.0004	.0002	.0002	.0000	.0004	.0008	.0003	.0006
%RSD	19.55	12.54	1.405	1.421	15.54	26.89	6.720	22.83
#1	.0020	.0013	.0132	.0029	.0021	.0036	.0048	.0032
#2	.0015	.0016	.0135	.0029	.0026	.0025	.0044	.0023
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010		.0100					
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	**.1115**	**1.122**	**.0154**	**.1125**	**2.213**	**1.128**	**.0107**	**-.0004**
Stddev	.0125	.004	.0007	.0028	.033	.009	.0002	.0001
%RSD	11.17	.3970	4.609	2.471	1.472	.7511	1.665	23.19
#1	.1203	1.125	.0149	.1145	2.236	1.122	.0106	-.0004
#2	.1027	1.119	.0159	.1105	2.190	1.134	.0108	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 3:55:36 Type: QC
Method: Accutest1(v365) 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**	**-.0006**	**-.0008**	**-.0000**	**.0003**	F **-.0035**	F **-.0003**	F **-.0029**
Stddev	.0008	.0005	.0008	.0000	.0005	.0013	.0001	.0006
%RSD	60.70	74.36	105.3	1332.	190.1	37.24	26.69	19.88
#1	-.0008	-.0009	-.0013	-.0000	-.0001	-.0026	-.0003	-.0033
#2	-.0019	-.0003	-.0002	.0000	.0006	-.0045	-.0004	-.0025
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 **-.0018**	F **.0003**
Stddev	.0001	.0002
%RSD	7.044	67.79
#1	-.0019	.0002
#2	-.0017	.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	**76797.**	**14070.**	**2509.2**	**3816.5**
Stddev	213.	37.	19.4	29.6
%RSD	.27742	.26270	.77190	.77581
#1	76646.	14043.	2522.9	3837.4
#2	76947.	14096.	2495.5	3795.5

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 4:01:40 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0000**	**-.0001**	**-.0001**	**.0022**	**.0001**	**.0002**	**.0001**
Stddev	.0001	.0001	.0001	.0003	.0006	.0002	.0001	.0002	.0003
%RSD	113.4	166.1	717.3	247.1	807.9	11.42	98.91	121.4	411.6
#1	.0000	.0001	-.0001	-.0003	.0004	.0023	.0001	.0003	.0002
#2	.0002	-.0000	.0001	.0001	-.0005	.0020	.0000	.0000	-.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	**-.0005**	**.0004**	**.0206**	**.0005**	**.0214**	**.0252**	**.0220**	**.5242**	**.0101**
Stddev	.0001	.0000	.0008	.0010	.0006	.0011	.0006	.0016	.0002
%RSD	26.15	4.041	3.661	202.5	2.975	4.469	2.941	.3115	1.564
#1	-.0006	.0004	.0200	-.0002	.0209	.0244	.0216	.5230	.0100
#2	-.0004	.0004	.0211	.0012	.0218	.0260	.0225	.5254	.0102
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	**.5643**	**-.0115**	**-.0233**	**-.0073**	**-.0005**	**-.0004**	**-.0010**	**-.0012**	**-.0006**
Stddev	.0042	.0113	.0006	.0027	.0000	.0001	.0007	.0009	.0005
%RSD	.7476	98.46	2.486	36.54	5.875	21.00	68.03	77.64	79.23
#1	.5673	-.0035	-.0237	-.0092	-.0005	-.0005	-.0005	-.0018	-.0009
#2	.5613	-.0195	-.0229	-.0054	-.0005	-.0003	-.0015	-.0005	-.0003
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 4:01:40 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0054**	**-.0002**	**-.0023**	**-.0023**	**.0005**
Stddev	.0000	.0006	.0001	.0001	.0006	.0005	.0002
%RSD	47.16	612.0	.9475	40.24	23.89	22.11	31.78
#1	.0000	-.0005	-.0054	-.0002	-.0019	-.0020	.0004
#2	.0000	.0003	-.0055	-.0003	-.0027	-.0027	.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	**77095.**	**13882.**	**2545.0**	**3869.3**
Stddev	125.	36.	22.6	31.8
%RSD	.16263	.26092	.88842	.82109
#1	77184.	13907.	2561.0	3891.8
#2	77006.	13856.	2529.0	3846.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 4:07:47 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.143**	**2.091**	**2.151**	**2.153**	**2.133**	**2.033**	**2.046**	**2.125**	**.2628**
Stddev	.001	.000	.022	.015	.004	.004	.005	.014	.0012
%RSD	.0546	.0021	1.015	.6875	.2035	.2098	.2528	.6425	.4530
#1	2.142	2.091	2.136	2.143	2.130	2.036	2.042	2.115	.2620
#2	2.143	2.091	2.166	2.163	2.136	2.030	2.050	2.134	.2637
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	**2.090**	**2.169**	**2.102**	**2.178**	**2.153**	**2.123**	**2.142**	**40.13**	**42.13**
Stddev	.005	.013	.019	.020	.016	.018	.020	.07	.02
%RSD	.2208	.5964	.9032	.9081	.7259	.8404	.9512	.1862	.0581
#1	2.086	2.160	2.088	2.164	2.142	2.110	2.128	40.07	42.14
#2	2.093	2.178	2.115	2.192	2.164	2.135	2.156	40.18	42.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.58**	**41.66**	**42.52**	**42.65**	**2.159**	**2.115**	**2.098**	**5.346**	**2.148**
Stddev	.05	.04	.01	.04	.023	.020	.002	.064	.017
%RSD	.1245	.0855	.0340	.0900	1.060	.9312	.0895	1.205	.7790
#1	41.62	41.68	42.53	42.62	2.143	2.101	2.099	5.300	2.136
#2	41.55	41.63	42.51	42.67	2.176	2.129	2.097	5.392	2.160
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 4:07:47 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.153**	**2.109**	**2.017**	**2.096**	**2.106**	**2.080**	**2.093**
Stddev	.003	.006	.039	.003	.018	.024	.003
%RSD	.1255	.3075	1.927	.1320	.8471	1.142	.1636
#1	2.155	2.105	1.990	2.094	2.093	2.063	2.091
#2	2.151	2.114	2.045	2.098	2.118	2.096	2.096
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	**74181.**	**13725.**	**2369.5**	**3416.1**
Stddev	117.	11.	19.0	21.8
%RSD	.15827	.07854	.80237	.63902
#1	74264.	13733.	2383.0	3431.6
#2	74098.	13718.	2356.1	3400.7

Sample Name: ccb Acquired: 6/10/2014 4:13:37 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0002**	**-.0001**	**.0002**	F **.0025**	**.0002**	**-.0001**	**.0005**
Stddev	.0001	.0001	.0000	.0000	.0001	.0003	.0000	.0001	.0003
%RSD	147.4	37.20	21.34	87.52	40.61	10.87	14.62	63.08	61.45
#1	.0002	.0001	.0001	-.0001	.0001	.0027	.0002	-.0002	.0003
#2	-.0000	.0002	.0002	-.0000	.0002	.0023	.0002	-.0001	.0008
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	**-.0006**	**.0000**	**-.0000**	**-.0013**	**-.0004**	**.0010**	**-.0007**	**-.0026**	**.0107**
Stddev	.0002	.0003	.0007	.0001	.0010	.0003	.0001	.0038	.0010
%RSD	37.87	38440.	6292.	5.753	281.4	30.31	21.94	145.6	9.338
#1	-.0005	-.0002	-.0005	-.0012	.0004	.0012	-.0006	.0001	.0100
#2	-.0008	.0002	.0005	-.0014	-.0011	.0008	-.0008	-.0054	.0114
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	**.0139**	**.0155**	**.0063**	**.0065**	**.0004**	**.0008**	**-.0008**	**-.0011**	**-.0007**
Stddev	.0019	.0132	.0000	.0010	.0006	.0002	.0000	.0009	.0007
%RSD	13.77	85.15	.0805	16.07	143.3	28.78	3.561	82.43	90.79
#1	.0152	.0062	.0063	.0058	-.0000	.0009	-.0008	-.0018	-.0012
#2	.0125	.0249	.0063	.0073	.0009	.0006	-.0008	-.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									

Sample Name: ccb Acquired: 6/10/2014 4:13:37 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0174**	**.0010**	**-.0027**	**-.0020**	**.0005**
Stddev	.0000	.0002	.0030	.0002	.0004	.0000	.0015
%RSD	7.762	52.01	16.94	21.60	14.54	1.621	302.4
#1	.0001	.0005	.0195	.0011	-.0024	-.0020	-.0006
#2	.0002	.0002	.0154	.0008	-.0030	-.0020	.0015
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	**77517.**	**13917.**	**2542.6**	**3865.8**
Stddev	170.	37.	39.9	59.3
%RSD	.21895	.26894	1.5673	1.5347
#1	77397.	13943.	2570.8	3907.8
#2	77637.	13890.	2514.4	3823.9

Sample Name: mp79878-s1 Acquired: 6/10/2014 4:19:43 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.272**	**.1049**	**.1019**	**1.101**	**.5345**	**.5110**	**1.212**	**1.066**	**.1065**
Stddev	.018	.0006	.0003	.005	.0011	.0030	.001	.006	.0000
%RSD	.4182	.5612	.2662	.4753	.2129	.5891	.0440	.5579	.0050
#1	4.284	.1053	.1017	1.097	.5337	.5131	1.211	1.062	.1065
#2	4.259	.1045	.1021	1.105	.5354	.5088	1.212	1.070	.1065

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.118**	**1.196**	**4.029**	**4.039**	**1.042**	**4.098**	**.7196**	**120.5**	**14.66**
Stddev	.001	.009	.014	.015	.006	.017	.0007	.5	.02
%RSD	.0406	.7786	.3359	.3715	.5562	.4243	.1022	.4013	.1096
#1	1.118	1.190	4.020	4.029	1.038	4.085	.7191	120.8	14.65
#2	1.119	1.203	4.039	4.050	1.046	4.110	.7201	120.2	14.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**113.9**	**14.54**	**14.21**	**13.39**	**.0058**	**.0032**	**-.0161**	**5.954**	**.0342**
Stddev	.2	.02	.09	.03	.0002	.0003	.0003	.017	.0009
%RSD	.1672	.1526	.6294	.2224	4.043	8.127	1.596	.2838	2.502
#1	114.0	14.55	14.28	13.41	.0060	.0030	-.0159	5.942	.0336
#2	113.8	14.52	14.15	13.37	.0056	.0034	-.0163	5.966	.0348

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0242**	**1.109**	**.2821**	**.0279**	**.2405**	**.0080**	**.0141**
Stddev	.0001	.001	.0002	.0001	.0041	.0013	.0002
%RSD	.6069	.0549	.0840	.4759	1.719	15.97	1.488
#1	.0243	1.108	.2819	.0280	.2375	.0071	.0143
#2	.0241	1.109	.2823	.0279	.2434	.0089	.0140

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74713.**	**13926.**	**2394.7**	**3523.6**
Stddev	72.	96.	1.2	4.6
%RSD	.09695	.68970	.05037	.12941
#1	74764.	13858.	2395.6	3526.8
#2	74662.	13994.	2393.9	3520.4

Sample Name: mp79878-s2 Acquired: 6/10/2014 4:25:35 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.273**	**.1053**	**.1025**	**1.091**	**.4635**	**.5062**	**1.149**	**1.066**	**.1067**
Stddev	.010	.0006	.0006	.006	.0000	.0058	.003	.006	.0001
%RSD	.2270	.5934	.5481	.5122	.0084	1.145	.2343	.5667	.1194
#1	4.280	.1058	.1021	1.087	.4635	.5103	1.147	1.062	.1067
#2	4.267	.1049	.1029	1.095	.4635	.5021	1.151	1.070	.1066

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.052**	**1.170**	**4.035**	**4.093**	**1.038**	**4.121**	**.7349**	**108.2**	**14.42**
Stddev	.002	.006	.024	.015	.008	.018	.0019	.5	.08
%RSD	.2060	.5347	.5990	.3616	.7503	.4471	.2617	.4864	.5518
#1	1.053	1.165	4.018	4.083	1.032	4.108	.7336	108.5	14.47
#2	1.050	1.174	4.052	4.104	1.043	4.134	.7363	107.8	14.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**80.35**	**14.49**	**14.16**	**13.47**	**.0052**	**.0025**	**-.0101**	**5.847**	**.0339**
Stddev	.49	.11	.05	.00	.0005	.0003	.0013	.023	.0005
%RSD	.6087	.7520	.3248	.0265	10.02	9.826	12.94	.3970	1.458
#1	80.70	14.57	14.20	13.48	.0048	.0027	-.0110	5.830	.0336
#2	80.01	14.41	14.13	13.47	.0055	.0024	-.0091	5.863	.0343

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0183**	**.8695**	**.2210**	**.0182**	**.1758**	**.0045**	**.0124**
Stddev	.0002	.0027	.0013	.0000	.0021	.0008	.0004
%RSD	.8494	.3141	.5915	.1144	1.184	17.13	3.439
#1	.0184	.8676	.2200	.0182	.1773	.0051	.0127
#2	.0182	.8714	.2219	.0182	.1743	.0040	.0121

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75378.**	**13952.**	**2421.7**	**3549.6**
Stddev	117.	166.	4.2	3.8
%RSD	.15476	1.1891	.17506	.10814
#1	75295.	13835.	2424.7	3552.4
#2	75460.	14069.	2418.7	3546.9

Zoom In Zoom Out

Sample Name: jb68149-11 Acquired: 6/10/2014 4:31:27 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1003**	**.0014**	**.0008**	**.0666**	**.0398**	**.0180**	**.1486**	**.0395**	**.0025**
Stddev	.0002	.0000	.0000	.0002	.0003	.0003	.0006	.0002	.0000
%RSD	.2165	.4942	2.026	.2778	.8178	1.566	.3977	.5032	.6868
#1	.1005	.0014	.0009	.0667	.0396	.0178	.1482	.0394	.0025
#2	.1002	.0014	.0008	.0664	.0401	.0182	.1490	.0397	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0637**	**.1147**	**.0026**	**-.0001**	**.0366**	**-.0148**	**.0021**	**52.33**	**1.797**
Stddev	.0005	.0002	.0004	.0003	.0005	.0006	.0015	.10	.011
%RSD	.7324	.1814	14.99	249.7	1.476	4.018	74.93	.1948	.6239
#1	.0633	.1145	.0029	.0001	.0370	-.0153	.0032	52.40	1.805
#2	.0640	.1148	.0023	-.0004	.0363	-.0144	.0010	52.26	1.789

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**29.65**	**1.713**	**1.380**	**.1476**	**.0047**	**-.0001**	**-.0003**	**4.775**	**.0432**
Stddev	.11	.024	.013	.0044	.0006	.0002	.0005	.002	.0001
%RSD	.3588	1.407	.9446	3.009	13.05	184.1	179.3	.0462	.2956
#1	29.73	1.696	1.389	.1507	.0042	-.0003	.0001	4.774	.0431
#2	29.57	1.730	1.370	.1445	.0051	.0000	-.0007	4.777	.0433

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0166**	**.9728**	**.2266**	**.0158**	**.1758**	**-.0008**	**.0112**
Stddev	.0001	.0017	.0015	.0002	.0018	.0015	.0002
%RSD	.6100	.1748	.6737	1.026	1.027	191.3	2.005
#1	.0167	.9716	.2277	.0156	.1745	-.0018	.0110
#2	.0165	.9740	.2256	.0159	.1770	.0003	.0113

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77276.**	**14114.**	**2502.0**	**3749.9**
Stddev	215.	69.	2.1	1.9
%RSD	.27778	.49052	.08302	.05188
#1	77428.	14065.	2503.4	3751.3
#2	77124.	14163.	2500.5	3748.5

Zoom In Zoom Out

Sample Name: mp79878-sd1 Acquired: 6/10/2014 4:37:25 Type: Unk
Method: Accutest1(v365) 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	**.0999**	**.0020**	**.0009**	**.0664**	**.0393**	**.0265**	**.1482**	**.0399**	**.0051**
Stddev	.0002	.0004	.0009	.0025	.0002	.0026	.0003	.0023	.0001
%RSD	.2394	20.41	104.7	3.721	.5867	9.782	.1690	5.694	1.149
#1	.0997	.0017	.0002	.0647	.0395	.0246	.1480	.0383	.0051
#2	.1001	.0023	.0015	.0682	.0392	.0283	.1484	.0415	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0599**	**.1412**	**-.0000**	**.0026**	**.0344**	**-.0044**	**.0034**	**51.83**	**2.548**
Stddev	.0012	.0033	.0009	.0022	.0004	.0125	.0019	.33	.030
%RSD	1.970	2.331	1949.	84.67	1.262	283.7	56.54	.6365	1.182
#1	.0590	.1389	-.0007	.0041	.0341	.0044	.0020	52.07	2.527
#2	.0607	.1435	.0006	.0010	.0347	-.0132	.0048	51.60	2.569

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**29.71**	**1.768**	**1.328**	**.3944**	**.0156**	**-.0014**	**-.0019**	**4.957**	**.0403**
Stddev	.04	.206	.041	.0262	.0001	.0010	.0022	.118	.0009
%RSD	.1208	11.66	3.095	6.643	.9333	68.35	114.9	2.372	2.285
#1	29.68	1.622	1.358	.3759	.0155	-.0007	-.0035	4.874	.0396
#2	29.73	1.914	1.299	.4130	.0157	-.0021	-.0004	5.040	.0409

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0184**	**.9600**	**.1958**	**.0105**	**.1955**	**-.0077**	**.0096**
Stddev	.0005	.0005	.0077	.0020	.0026	.0006	.0025
%RSD	2.822	.0546	3.941	19.25	1.348	8.159	25.82
#1	.0180	.9604	.1903	.0120	.1936	-.0082	.0079
#2	.0187	.9597	.2012	.0091	.1973	-.0073	.0114

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78092.**	**14079.**	**2532.4**	**3806.7**
Stddev	62.	9.	52.2	77.3
%RSD	.07886	.06155	2.0598	2.0301
#1	78049.	14085.	2569.3	3861.3
#2	78136.	14073.	2495.5	3752.1

Zoom In Zoom Out

Sample Name: jb68149-7 Acquired: 6/10/2014 4:43:27 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0108**	**.0001**	**.0002**	**.0150**	**.0110**	**.0063**	**.0236**	**.0169**	**.0004**
Stddev	.0003	.0000	.0002	.0003	.0004	.0001	.0006	.0004	.0005
%RSD	3.153	17.25	94.88	1.669	3.565	.9054	2.363	2.136	119.7
#1	.0111	.0001	.0001	.0149	.0107	.0063	.0232	.0171	.0001
#2	.0106	.0001	.0003	.0152	.0113	.0062	.0240	.0166	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0068**	**.0161**	**-.0004**	**-.0008**	**.0059**	**-.0021**	**.0015**	**2.814**	**2.972**
Stddev	.0000	.0001	.0002	.0008	.0009	.0017	.0002	.096	.087
%RSD	.2965	.6998	41.02	97.03	15.00	78.98	12.91	3.428	2.928
#1	.0068	.0160	-.0003	-.0014	.0053	-.0009	.0014	2.882	3.034
#2	.0067	.0162	-.0005	-.0003	.0065	-.0033	.0017	2.746	2.911

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.097**	**.3146**	**.3002**	**.2030**	**.0019**	**.0017**	**-.0002**	**2.026**	**.0387**
Stddev	.131	.0143	.0108	.0008	.0002	.0003	.0014	.007	.0001
%RSD	2.567	4.537	3.603	.3996	9.343	16.06	583.8	.3375	.3422
#1	5.190	.3247	.3079	.2036	.0018	.0019	.0008	2.021	.0386
#2	5.005	.3045	.2926	.2024	.0020	.0015	-.0012	2.030	.0388

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0189**	**.0617**	**.0722**	**.0006**	**.1150**	**-.0026**	**.0000**
Stddev	.0004	.0017	.0005	.0001	.0025	.0010	.0001
%RSD	2.271	2.816	.6466	19.53	2.150	38.54	470.8
#1	.0192	.0605	.0719	.0006	.1168	-.0019	.0001
#2	.0186	.0630	.0725	.0007	.1133	-.0033	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79150.**	**13860.**	**2535.1**	**3838.2**
Stddev	2004.	337.	7.9	13.1
%RSD	2.5321	2.4289	.31047	.34133
#1	80567.	13622.	2540.7	3847.4
#2	77733.	14098.	2529.5	3828.9

Zoom In Zoom Out

Sample Name: jb68149-8 Acquired: 6/10/2014 4:49:28 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0074**	**.0001**	**.0002**	**.0204**	**.0125**	**.0045**	**.0126**	**.0198**	**.0005**
Stddev	.0001	.0001	.0000	.0000	.0003	.0005	.0001	.0002	.0000
%RSD	1.972	169.3	10.84	.0923	2.181	11.95	.7520	.8518	3.524
#1	.0073	.0001	.0002	.0204	.0127	.0049	.0127	.0199	.0005
#2	.0075	-.0000	.0002	.0204	.0123	.0041	.0125	.0196	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0048**	**.0397**	**-.0008**	**-.0018**	**.0055**	**-.0062**	**.0015**	**2.537**	**3.763**
Stddev	.0001	.0003	.0013	.0003	.0002	.0020	.0012	.007	.006
%RSD	1.392	.6905	150.4	17.98	3.875	32.86	75.10	.2890	.1536
#1	.0048	.0395	.0001	-.0020	.0056	-.0048	.0024	2.532	3.759
#2	.0047	.0399	-.0017	-.0016	.0053	-.0077	.0007	2.543	3.768

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.227**	**1.689**	**.1832**	**.0730**	**.0008**	**.0019**	**.0003**	**1.959**	**.0324**
Stddev	.007	.010	.0013	.0001	.0001	.0002	.0003	.005	.0011
%RSD	.1754	.5853	.7355	.1341	11.23	12.87	80.18	.2626	3.534
#1	4.222	1.682	.1841	.0729	.0008	.0021	.0005	1.956	.0332
#2	4.232	1.696	.1822	.0731	.0007	.0018	.0001	1.963	.0316

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0067**	**.0701**	**.0995**	**-.0001**	**.0523**	**-.0033**	**.0006**
Stddev	.0000	.0004	.0001	.0002	.0000	.0004	.0004
%RSD	.4327	.5766	.0724	133.9	.0677	13.14	71.74
#1	.0067	.0704	.0994	-.0003	.0523	-.0036	.0003
#2	.0067	.0698	.0995	-.0000	.0523	-.0030	.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78391.**	**13654.**	**2530.5**	**3826.8**
Stddev	239.	10.	12.2	19.4
%RSD	.30493	.07021	.48256	.50585
#1	78222.	13647.	2539.1	3840.4
#2	78560.	13660.	2521.9	3813.1

Zoom In Zoom Out

Sample Name: jb68149-9 Acquired: 6/10/2014 4:55:30 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0127**	**.0000**	**.0002**	**.0442**	**.0096**	**.0065**	**.0092**	**.0215**	**.0007**
Stddev	.0001	.0001	.0001	.0002	.0003	.0000	.0001	.0001	.0010
%RSD	.9495	1079.	50.93	.4176	2.834	.0988	.7922	.2945	128.0
#1	.0127	-.0001	.0002	.0441	.0098	.0065	.0092	.0216	.0014
#2	.0128	.0001	.0003	.0444	.0094	.0065	.0091	.0215	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0040**	**.0725**	**-.0034**	**-.0001**	**.0050**	**-.0148**	**.0015**	**2.292**	**.5504**
Stddev	.0004	.0005	.0009	.0016	.0003	.0000	.0002	.008	.0021
%RSD	10.27	.7229	25.51	1506.	5.517	.0133	11.81	.3294	.3902
#1	.0043	.0722	-.0040	-.0013	.0048	-.0148	.0014	2.287	.5519
#2	.0037	.0729	-.0028	.0010	.0052	-.0148	.0016	2.298	.5489

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.442**	**.1764**	**.2705**	**.1941**	**.0009**	**-.0005**	**.0010**	**1.836**	**.0326**
Stddev	.012	.0227	.0214	.0039	.0001	.0003	.0011	.001	.0001
%RSD	.3449	12.86	7.905	2.006	6.722	47.67	116.6	.0763	.2059
#1	3.433	.1925	.2856	.1914	.0009	-.0007	.0002	1.835	.0325
#2	3.450	.1604	.2554	.1969	.0009	-.0004	.0017	1.837	.0326

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0068**	**.0491**	**.2218**	**.0010**	**.0369**	**-.0037**	**.0011**
Stddev	.0000	.0002	.0008	.0001	.0017	.0005	.0012
%RSD	.2650	.3251	.3394	12.62	4.491	12.28	105.8
#1	.0068	.0492	.2213	.0009	.0381	-.0040	.0020
#2	.0068	.0490	.2224	.0011	.0357	-.0034	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77409.**	**13966.**	**2538.6**	**3861.0**
Stddev	184.	75.	4.3	16.3
%RSD	.23765	.53796	.17035	.42247
#1	77539.	14019.	2541.7	3872.5
#2	77279.	13913.	2535.6	3849.4

Zoom In Zoom Out

Sample Name: jb68149-10 Acquired: 6/10/2014 5:01:32 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0186**	**.0002**	**.0004**	**.0561**	**.0241**	**.0146**	**.0422**	**.0218**	**.0016**
Stddev	.0000	.0000	.0001	.0009	.0000	.0005	.0003	.0002	.0000
%RSD	.0505	5.022	31.74	1.544	.1673	3.665	.6425	.8668	.5978
#1	.0186	.0002	.0003	.0554	.0240	.0150	.0424	.0216	.0016
#2	.0186	.0002	.0005	.0567	.0241	.0142	.0421	.0219	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0097**	**.1179**	**-.0031**	**-.0001**	**.0075**	**-.0183**	**.0016**	**4.340**	**7.964**
Stddev	.0001	.0016	.0005	.0002	.0004	.0006	.0002	.025	.015
%RSD	1.136	1.352	17.99	344.9	5.063	3.358	11.18	.5693	.1844
#1	.0097	.1167	-.0034	-.0002	.0078	-.0187	.0015	4.323	7.954
#2	.0098	.1190	-.0027	.0001	.0073	-.0179	.0018	4.358	7.974

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.27**	**.6799**	**.4044**	**.1898**	**.0023**	**-.0014**	**.0012**	**2.720**	**.0409**
Stddev	.02	.0056	.0332	.0038	.0003	.0001	.0000	.017	.0011
%RSD	.1992	.8234	8.216	1.999	11.26	5.529	3.367	.6220	2.766
#1	10.29	.6759	.4279	.1925	.0021	-.0014	.0013	2.708	.0401
#2	10.26	.6838	.3809	.1871	.0025	-.0015	.0012	2.732	.0417

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0583**	**.1104**	**.2673**	**.0016**	**.2180**	**-.0018**	**.0025**
Stddev	.0002	.0012	.0013	.0001	.0026	.0004	.0001
%RSD	.4133	1.112	.4828	3.786	1.170	21.99	3.593
#1	.0585	.1113	.2663	.0016	.2162	-.0021	.0024
#2	.0582	.1096	.2682	.0015	.2198	-.0015	.0025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76628.**	**14062.**	**2524.5**	**3795.8**
Stddev	302.	33.	9.4	17.3
%RSD	.39362	.23544	.37219	.45696
#1	76414.	14086.	2531.1	3808.1
#2	76841.	14039.	2517.8	3783.6

Zoom In Zoom Out

Sample Name: jb68149-12 Acquired: 6/10/2014 5:07:30 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0118**	**.0002**	**.0001**	**.0345**	**.0218**	**.0065**	**.0192**	**.0212**	**.0012**
Stddev	.0001	.0001	.0000	.0002	.0010	.0015	.0014	.0002	.0001
%RSD	.6163	22.93	28.77	.6610	4.493	22.55	7.519	1.051	4.237
#1	.0119	.0002	.0001	.0347	.0225	.0075	.0203	.0213	.0012
#2	.0118	.0003	.0002	.0344	.0211	.0055	.0182	.0210	.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0107**	**.0293**	**.0007**	**-.0017**	**.0194**	**-.0099**	**.0022**	**3.959**	**2.373**
Stddev	.0011	.0002	.0008	.0011	.0007	.0010	.0005	.004	.017
%RSD	10.40	.6859	105.9	66.83	3.513	9.745	21.65	.1086	.7018
#1	.0115	.0292	.0013	-.0009	.0199	-.0092	.0018	3.962	2.385
#2	.0099	.0295	.0002	-.0025	.0189	-.0106	.0025	3.956	2.361

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.491**	**.3375**	**.3800**	**.1389**	**.0021**	**.0005**	**.0012**	**2.483**	**.0404**
Stddev	.051	.0153	.0030	.0030	.0003	.0001	.0012	.009	.0006
%RSD	.5986	4.533	.7884	2.147	12.56	13.93	93.35	.3588	1.456
#1	8.527	.3267	.3779	.1368	.0019	.0005	.0004	2.477	.0400
#2	8.455	.3483	.3821	.1410	.0022	.0006	.0021	2.490	.0408

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0437**	**.0724**	**.1457**	**.0001**	**.0361**	**-.0027**	**.0038**
Stddev	.0001	.0053	.0005	.0001	.0004	.0005	.0006
%RSD	.1874	7.287	.3533	57.33	1.237	17.46	16.37
#1	.0436	.0762	.1453	.0002	.0358	-.0031	.0034
#2	.0438	.0687	.1461	.0001	.0364	-.0024	.0043

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81648.**	**14211.**	**2543.5**	**3838.4**
Stddev	4692.	27.	3.9	2.3
%RSD	5.7468	.18754	.15153	.06083
#1	78330.	14192.	2546.2	3840.0
#2	84966.	14230.	2540.7	3836.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 5:13:32 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.114**	**2.059**	**2.138**	**2.139**	**2.136**	**2.018**	**2.051**	**2.114**	**.2594**
Stddev	.015	.015	.048	.042	.036	.019	.032	.042	.0028
%RSD	.7043	.7189	2.250	1.942	1.685	.9581	1.568	1.968	1.090
#1	2.124	2.069	2.104	2.109	2.161	2.031	2.074	2.084	.2614
#2	2.103	2.048	2.172	2.168	2.110	2.004	2.028	2.143	.2574
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	**2.084**	**2.155**	**2.088**	**2.166**	**2.139**	**2.112**	**2.132**	**39.65**	**41.39**
Stddev	.031	.044	.039	.045	.038	.044	.041	.30	.26
%RSD	1.477	2.063	1.878	2.080	1.758	2.084	1.922	.7498	.6287
#1	2.105	2.124	2.061	2.134	2.112	2.081	2.104	39.86	41.57
#2	2.062	2.187	2.116	2.198	2.166	2.143	2.161	39.44	41.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.87**	**40.84**	**42.14**	**42.31**	**2.143**	**2.103**	**2.073**	**5.316**	**2.135**
Stddev	.24	.35	.14	.17	.044	.046	.021	.117	.047
%RSD	.5888	.8590	.3225	.4108	2.051	2.184	1.037	2.191	2.180
#1	41.04	41.08	42.24	42.43	2.111	2.070	2.089	5.233	2.102
#2	40.70	40.59	42.05	42.19	2.174	2.135	2.058	5.398	2.168
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 5:13:32 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.124**	**2.098**	**1.983**	**2.086**	**2.086**	**2.073**	**2.083**
Stddev	.010	.028	.075	.028	.044	.045	.006
%RSD	.4883	1.314	3.772	1.326	2.088	2.158	.3095
#1	2.132	2.118	1.930	2.106	2.055	2.041	2.088
#2	2.117	2.079	2.036	2.067	2.117	2.104	2.079
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	**74364.**	**13960.**	**2392.2**	**3445.4**
Stddev	880.	90.	43.0	55.9
%RSD	1.1835	.64747	1.7976	1.6231
#1	73741.	13896.	2422.6	3485.0
#2	74986.	14024.	2361.8	3405.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 5:19:22 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**.0001**	**-.0004**	**.0017**	**.0001**	**.0002**	**-.0002**
Stddev	.0001	.0000	.0000	.0000	.0002	.0003	.0000	.0001	.0003
%RSD	80.38	34.19	5.632	21.75	64.55	14.80	.2791	44.31	215.9
#1	.0002	.0001	.0001	.0001	-.0005	.0015	.0001	.0001	.0001
#2	.0000	.0002	.0001	.0001	-.0002	.0019	.0001	.0002	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0001**	**.0005**	**-.0002**	**.0008**	**-.0005**	**.0003**	**.0051**	**.0074**
Stddev	.0002	.0002	.0007	.0009	.0011	.0029	.0006	.0146	.0045
%RSD	32.80	176.5	147.1	466.0	127.8	609.0	175.3	283.8	61.12
#1	-.0004	.0002	-.0000	.0004	.0001	-.0026	-.0001	.0155	.0042
#2	-.0006	-.0000	.0009	-.0008	.0016	.0016	.0007	-.0052	.0106
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	**.0055**	**.0047**	**.0266**	**.0043**	**.0007**	**.0008**	**-.0004**	**-.0015**	**-.0006**
Stddev	.0015	.0132	.0154	.0104	.0004	.0002	.0005	.0004	.0003
%RSD	26.32	282.4	57.98	241.4	52.09	17.95	107.1	26.94	54.90
#1	.0045	.0140	.0157	.0116	.0009	.0009	-.0001	-.0012	-.0004
#2	.0066	-.0047	.0375	-.0030	.0004	.0007	-.0008	-.0018	-.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: 6/10/2014 5:19:22 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0138**	**.0009**	**-.0050**	**-.0014**	**.0004**
Stddev	.0000	.0008	.0022	.0001	.0026	.0013	.0002
%RSD	29.67	595.7	15.71	8.452	50.95	92.39	64.53
#1	.0001	.0004	.0153	.0009	-.0032	-.0005	.0006
#2	.0001	-.0007	.0122	.0010	-.0068	-.0023	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77202.**	**14015.**	**2543.9**	**3866.5**
Stddev	286.	236.	3.9	9.5
%RSD	.37037	1.6818	.15480	.24592
#1	77405.	13849.	2546.7	3873.2
#2	77000.	14182.	2541.2	3859.8

Zoom In Zoom Out

Sample Name: jb68149-13 Acquired: 6/10/2014 5:25:27 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2105**	**.0030**	**.0010**	**.0445**	**.0821**	**.0317**	**.3236**	**.1434**	**.0028**
Stddev	.0025	.0001	.0002	.0002	.0007	.0011	.0036	.0002	.0000
%RSD	1.185	3.210	18.36	.5455	.9087	3.511	1.111	.1378	.8711
#1	.2088	.0030	.0011	.0447	.0826	.0325	.3262	.1435	.0028
#2	.2123	.0031	.0008	.0443	.0815	.0309	.3211	.1433	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1269**	**.1068**	**.0138**	**-.0003**	**.0376**	**.0040**	**.0023**	**123.5**	**2.266**
Stddev	.0016	.0009	.0004	.0002	.0005	.0032	.0020	1.4	.033
%RSD	1.287	.8452	2.706	85.46	1.430	81.18	85.77	1.097	1.438
#1	.1281	.1074	.0136	-.0001	.0379	.0017	.0009	122.6	2.243
#2	.1258	.1061	.0141	-.0004	.0372	.0063	.0037	124.5	2.289

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.08**	**3.009**	**2.922**	**.3458**	**.0093**	**.0214**	**.0024**	**10.87**	**.0284**
Stddev	.56	.015	.037	.0041	.0005	.0001	.0009	.04	.0009
%RSD	1.101	.5067	1.252	1.180	5.666	.3765	36.36	.3999	3.206
#1	50.68	2.998	2.896	.3429	.0090	.0214	.0017	10.90	.0277
#2	51.48	3.020	2.948	.3487	.0097	.0213	.0030	10.84	.0290

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0280**	**1.875**	**.0056**	**.0270**	**1.518**	**.0042**	**.0247**
Stddev	.0003	.025	.0014	.0006	.008	.0009	.0003
%RSD	.9251	1.356	24.07	2.096	.5258	20.26	1.282
#1	.0278	1.893	.0066	.0274	1.523	.0036	.0244
#2	.0281	1.857	.0047	.0266	1.512	.0048	.0249

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76435.**	**14178.**	**2475.0**	**3727.0**
Stddev	880.	77.	13.4	21.7
%RSD	1.1510	.54264	.54008	.58346
#1	75813.	14233.	2465.5	3711.6
#2	77057.	14124.	2484.4	3742.4

Zoom In Zoom Out

Sample Name: jb68149-14 Acquired: 6/10/2014 5:31:24 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2085**	**.0030**	**.0012**	**.0347**	**.0771**	**.0328**	**.1816**	**.0688**	**.0054**
Stddev	.0012	.0000	.0002	.0002	.0001	.0006	.0007	.0002	.0003
%RSD	.5726	.7809	15.71	.7160	.1827	1.729	.3716	.2651	6.137
#1	.2093	.0030	.0013	.0345	.0770	.0324	.1821	.0687	.0052
#2	.2077	.0030	.0010	.0349	.0772	.0332	.1811	.0690	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1707**	**.1254**	**.0098**	**-.0051**	**.0700**	**-.0004**	**.0018**	**127.3**	**2.121**
Stddev	.0002	.0004	.0020	.0001	.0001	.0028	.0012	.8	.005
%RSD	.1168	.3369	20.17	2.744	.2098	724.6	65.84	.6457	.2443
#1	.1706	.1251	.0084	-.0050	.0701	-.0024	.0026	127.9	2.124
#2	.1709	.1257	.0112	-.0052	.0699	.0016	.0010	126.7	2.117

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**63.59**	**3.251**	**3.235**	**.5492**	**.0106**	**.0056**	**-.0058**	**3.822**	**.0445**
Stddev	.22	.021	.003	.0061	.0002	.0005	.0006	.004	.0006
%RSD	.3520	.6311	.0978	1.103	2.330	8.095	11.20	.1101	1.257
#1	63.75	3.237	3.233	.5535	.0108	.0053	-.0053	3.825	.0442
#2	63.43	3.266	3.238	.5449	.0104	.0060	-.0062	3.819	.0449

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0273**	**3.005**	**.0048**	**.0512**	**.4843**	**.0023**	**.0257**
Stddev	.0003	.008	.0002	.0000	.0019	.0016	.0006
%RSD	.9780	.2782	3.228	.0900	.3858	72.52	2.215
#1	.0275	3.011	.0049	.0511	.4856	.0034	.0261
#2	.0271	3.000	.0047	.0512	.4829	.0011	.0253

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76702.**	**14174.**	**2466.3**	**3680.6**
Stddev	268.	117.	1.8	6.4
%RSD	.35000	.82696	.07277	.17255
#1	76512.	14091.	2465.0	3685.1
#2	76892.	14257.	2467.6	3676.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 5:37:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.131**	**2.078**	**2.119**	**2.125**	**2.117**	**2.010**	**2.028**	**2.096**	**.2592**
Stddev	.005	.001	.012	.011	.001	.003	.002	.013	.0004
%RSD	.2166	.0490	.5561	.5320	.0302	.1509	.0716	.5947	.1568
#1	2.134	2.078	2.111	2.117	2.117	2.012	2.029	2.087	.2589
#2	2.127	2.079	2.127	2.133	2.118	2.008	2.027	2.105	.2595
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	**2.071**	**2.147**	**2.070**	**2.149**	**2.127**	**2.090**	**2.112**	**40.01**	**41.84**
Stddev	.000	.015	.015	.011	.012	.004	.008	.10	.07
%RSD	.0196	.6780	.7423	.5183	.5822	.2144	.3926	.2424	.1751
#1	2.071	2.137	2.059	2.141	2.118	2.087	2.106	40.08	41.79
#2	2.071	2.157	2.080	2.157	2.136	2.094	2.118	39.94	41.89
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	**41.27**	**41.40**	**42.42**	**42.47**	**2.121**	**2.083**	**2.069**	**5.264**	**2.117**
Stddev	.03	.01	.19	.18	.011	.010	.004	.028	.010
%RSD	.0644	.0284	.4407	.4208	.5032	.4719	.1928	.5315	.4617
#1	41.25	41.39	42.55	42.59	2.114	2.076	2.072	5.244	2.110
#2	41.29	41.41	42.28	42.34	2.129	2.090	2.066	5.284	2.124
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 5:37:23 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.139**	**2.088**	**1.986**	**2.078**	**2.071**	**2.049**	**2.088**
Stddev	.004	.004	.034	.001	.012	.007	.009
%RSD	.1694	.2039	1.720	.0558	.5538	.3484	.4146
#1	2.141	2.091	1.962	2.079	2.063	2.044	2.094
#2	2.136	2.085	2.010	2.077	2.079	2.054	2.081
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	**74885.**	**13751.**	**2410.5**	**3472.8**
Stddev	31.	40.	13.9	18.9
%RSD	.04142	.28820	.57587	.54505
#1	74907.	13779.	2420.3	3486.1
#2	74863.	13723.	2400.7	3459.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 5:43:12 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0003**	**.0000**	**-.0001**	F **.0024**	**.0002**	**.0000**	**.0001**
Stddev	.0002	.0000	.0002	.0002	.0002	.0002	.0000	.0001	.0004
%RSD	143.5	15.75	59.85	544.9	184.4	7.051	22.15	284.5	338.9
#1	.0003	.0002	.0004	.0002	-.0002	.0025	.0002	.0002	.0004
#2	-.0000	.0002	.0001	-.0001	.0000	.0022	.0001	-.0001	-.0002
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	**-.0002**	**.0002**	**.0004**	**-.0003**	**-.0007**	**-.0006**	**.0009**	**.0094**	**.0076**
Stddev	.0001	.0000	.0008	.0015	.0000	.0007	.0012	.0024	.0033
%RSD	45.64	20.41	233.7	470.5	4.904	126.1	124.0	25.16	42.98
#1	-.0002	.0002	.0010	.0007	-.0007	-.0011	.0018	.0078	.0053
#2	-.0001	.0001	-.0002	-.0014	-.0007	-.0001	.0001	.0111	.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0126**	**-.0076**	**-.0033**	**.0052**	**.0008**	**.0008**	**-.0007**	**-.0005**	**-.0003**
Stddev	.0025	.0077	.0069	.0076	.0002	.0002	.0008	.0013	.0003
%RSD	19.85	102.1	211.0	145.8	20.83	24.65	107.4	234.2	117.0
#1	.0109	-.0130	.0016	.0105	.0010	.0010	-.0013	-.0014	-.0001
#2	.0144	-.0021	-.0082	-.0002	.0007	.0007	-.0002	.0004	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 5:43:12 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0202**	**.0012**	**-.0022**	**-.0027**	**-.0002**
Stddev	.0001	.0002	.0016	.0000	.0001	.0012	.0002
%RSD	55.08	144.8	8.020	1.582	5.406	44.98	68.66
#1	.0001	.0000	.0213	.0012	-.0021	-.0018	-.0001
#2	.0002	-.0002	.0190	.0012	-.0022	-.0035	-.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	**77310.**	**13893.**	**2538.6**	**3863.3**
Stddev	224.	27.	15.2	27.8
%RSD	.29037	.19352	.59929	.71986
#1	77151.	13912.	2549.3	3882.9
#2	77468.	13874.	2527.8	3843.6

Zoom In Zoom Out

Sample Name: cri Acquired: 6/10/2014 5:49:18 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2207**	**.0024**	**.0035**	**.0551**	**.0117**	**.0123**	**.0166**	**.0112**	**.0060**
Stddev	.0005	.0000	.0000	.0001	.0000	.0000	.0001	.0001	.0002
%RSD	.2238	.0678	.1256	.1687	.2681	.2764	.8879	1.090	3.559
#1	.2210	.0024	.0035	.0552	.0117	.0123	.0165	.0111	.0062
#2	.2203	.0024	.0035	.0551	.0117	.0123	.0167	.0113	.0059
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	**.0562**	**.0246**	**.0083**	**.0094**	**.0030**	**.0105**	**.0074**	**.2130**	**5.484**
Stddev	.0001	.0002	.0006	.0009	.0001	.0002	.0003	.0059	.002
%RSD	.2556	.6895	6.697	9.481	3.683	1.918	4.023	2.774	.0271
#1	.0563	.0245	.0079	.0088	.0030	.0104	.0076	.2172	5.483
#2	.0561	.0247	.0087	.0100	.0031	.0107	.0072	.2088	5.485
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	**.1220**	**5.407**	**5.504**	**5.468**	**.1110**	**.0215**	**.0559**	**.2296**	**.0108**
Stddev	.0043	.029	.008	.021	.0010	.0002	.0006	.0029	.0010
%RSD	3.554	.5294	.1523	.3790	.8920	.7320	1.110	1.257	9.537
#1	.1250	5.427	5.498	5.453	.1103	.0214	.0564	.2275	.0101
#2	.1189	5.386	5.510	5.483	.1117	.0216	.0555	.2316	.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: 6/10/2014 5:49:18 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0116**	**.0111**	**.0564**	**.0117**	**.0474**	**.0209**	**.0231**
Stddev	.0001	.0000	.0008	.0001	.0004	.0010	.0006
%RSD	.5481	.1200	1.338	.4648	.7559	4.809	2.502
#1	.0116	.0111	.0569	.0117	.0476	.0217	.0227
#2	.0115	.0111	.0559	.0117	.0471	.0202	.0235
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	**76338.**	**13770.**	**2483.6**	**3762.2**
Stddev	107.	139.	5.4	7.3
%RSD	.14078	1.0071	.21568	.19453
#1	76414.	13672.	2487.4	3767.4
#2	76262.	13868.	2479.8	3757.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 5:55:19 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0010**	**.0012**	**.0033**	**.0023**	F **.0038**	**.0033**	**.0044**
Stddev	.0001	.0001	.0001	.0001	.0001	.0005	.0001	.0000
%RSD	1.291	8.300	10.49	3.637	4.289	13.28	1.709	.3238
#1	.0044	.0011	.0012	.0032	.0022	.0042	.0033	.0044
#2	.0045	.0010	.0011	.0034	.0023	.0035	.0033	.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**	**.0015**	F **.0133**	**.0038**	**.0024**	F **.0034**	**.0061**	F **.0044**
Stddev	.0003	.0002	.0001	.0008	.0019	.0004	.0013	.0009
%RSD	28.85	15.64	.5123	21.18	80.84	10.54	20.45	19.83
#1	.0009	.0017	.0133	.0044	.0038	.0032	.0070	.0050
#2	.0014	.0013	.0134	.0032	.0010	.0037	.0052	.0037
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value			.0100			.0025		.0030
Range			30.00%			30.00%		30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1148**	**1.134**	**.0054**	**.1117**	**2.217**	**1.136**	**.0104**	**-.0003**
Stddev	.0028	.003	.0020	.0047	.002	.001	.0008	.0000
%RSD	2.422	.2359	36.93	4.205	.1026	.1133	8.116	11.17
#1	.1168	1.136	.0068	.1084	2.215	1.135	.0109	-.0002
#2	.1128	1.132	.0040	.1150	2.218	1.137	.0098	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/10/2014 5:55:19 Type: QC
Method: Accutest1(v365) 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	**-.0014**	**-.0024**	**-.0006**	**.0000**	**.0000**	F **-.0023**	F **-.0001**	F **-.0014**
Stddev	.0015	.0007	.0004	.0000	.0003	.0007	.0000	.0010
%RSD	103.6	28.09	70.19	45.93	602.4	31.83	27.25	68.49
#1	-.0004	-.0020	-.0003	.0000	-.0002	-.0018	-.0001	-.0021
#2	-.0024	-.0029	-.0009	.0000	.0002	-.0028	-.0001	-.0007
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 **.0005**
Stddev	.0005	.0000
%RSD	95.27	5.496
#1	-.0009	.0005
#2	-.0002	.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	**77538.**	**13936.**	**2557.1**	**3882.9**
Stddev	108.	113.	5.8	10.1
%RSD	.13929	.81405	.22817	.25962
#1	77462.	13856.	2561.2	3890.0
#2	77614.	14016.	2553.0	3875.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/10/2014 6:01:24 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0000**	**.0002**	**-.0002**	**.0016**	**-.0001**	**-.0000**	**.0001**
Stddev	.0001	.0000	.0002	.0000	.0000	.0002	.0000	.0001	.0004
%RSD	90.67	59.01	2886.	.5110	13.33	12.33	41.59	330.6	279.5
#1	.0001	.0001	-.0001	.0002	-.0002	.0015	-.0001	.0001	.0004
#2	.0000	.0000	.0001	.0002	-.0002	.0017	-.0000	-.0001	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0004**	**.0207**	**.0005**	**.0213**	**.0227**	**.0213**	**.5093**	**.0107**
Stddev	.0001	.0000	.0005	.0024	.0001	.0010	.0005	.0058	.0043
%RSD	19.11	7.648	2.586	448.4	.3174	4.626	2.154	1.137	40.82
#1	-.0006	.0004	.0210	.0022	.0213	.0219	.0216	.5052	.0076
#2	-.0005	.0004	.0203	-.0012	.0214	.0234	.0210	.5134	.0137
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	**.5587**	**.0007**	**-.0075**	**.0006**	**-.0007**	**-.0003**	**-.0002**	**-.0027**	**-.0005**
Stddev	.0016	.0191	.0115	.0037	.0004	.0000	.0010	.0004	.0003
%RSD	.2892	2856.	153.4	586.0	50.36	6.796	486.0	13.50	72.61
#1	.5575	.0142	-.0157	.0033	-.0005	-.0003	-.0009	-.0030	-.0007
#2	.5598	-.0128	.0006	-.0020	-.0010	-.0003	.0005	-.0025	-.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 6:01:24 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**-.0044**	**-.0002**	**-.0036**	**-.0008**	**.0005**
Stddev	.0000	.0004	.0013	.0002	.0006	.0012	.0001
%RSD	112.8	226.1	29.46	88.97	18.04	149.3	28.41
#1	.0001	.0005	-.0035	-.0001	-.0040	-.0016	.0004
#2	.0000	-.0001	-.0053	-.0004	-.0031	.0000	.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	**79000.**	**13878.**	**2570.1**	**3913.7**
Stddev	1152.	25.	29.5	35.0
%RSD	1.4576	.18010	1.1470	.89550
#1	78185.	13860.	2590.9	3938.4
#2	79814.	13896.	2549.2	3888.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 6:07:31 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.152**	**2.094**	**2.151**	**2.152**	**2.144**	**2.049**	**2.059**	**2.124**	**.2642**
Stddev	.002	.001	.018	.021	.001	.014	.001	.021	.0018
%RSD	.0867	.0379	.8611	.9910	.0429	.6624	.0285	.9627	.6796
#1	2.151	2.094	2.138	2.137	2.144	2.039	2.059	2.110	.2630
#2	2.153	2.095	2.164	2.167	2.143	2.058	2.059	2.139	.2655
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	**2.100**	**2.172**	**2.097**	**2.179**	**2.149**	**2.124**	**2.143**	**40.27**	**42.24**
Stddev	.001	.024	.028	.014	.026	.018	.013	.01	.01
%RSD	.0337	1.087	1.337	.6475	1.227	.8305	.5962	.0155	.0228
#1	2.100	2.155	2.077	2.169	2.130	2.111	2.134	40.27	42.24
#2	2.101	2.188	2.117	2.189	2.167	2.136	2.152	40.26	42.23
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	**41.64**	**41.77**	**42.74**	**42.88**	**2.156**	**2.115**	**2.107**	**5.340**	**2.147**
Stddev	.02	.05	.04	.08	.022	.022	.017	.050	.021
%RSD	.0467	.1279	.0893	.1967	1.013	1.045	.8183	.9266	.9705
#1	41.63	41.74	42.77	42.82	2.141	2.099	2.095	5.305	2.132
#2	41.66	41.81	42.72	42.94	2.172	2.130	2.119	5.375	2.162
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 6:07:31 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.163**	**2.121**	**2.017**	**2.110**	**2.104**	**2.081**	**2.107**
Stddev	.005	.004	.043	.001	.018	.015	.004
%RSD	.2214	.1702	2.105	.0607	.8810	.7327	.1738
#1	2.159	2.118	1.987	2.109	2.091	2.070	2.104
#2	2.166	2.123	2.047	2.111	2.117	2.092	2.109
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	**73840.**	**13631.**	**2373.7**	**3425.8**
Stddev	284.	17.	16.6	24.2
%RSD	.38459	.12255	.69967	.70674
#1	74041.	13620.	2385.4	3442.9
#2	73639.	13643.	2361.9	3408.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 6:13:21 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0002**	**.0001**	**.0004**	**.0016**	**.0001**	**.0001**	**.0004**
Stddev	.0001	.0001	.0000	.0000	.0003	.0003	.0000	.0001	.0004
%RSD	52.25	41.44	1.692	32.33	68.62	17.12	12.69	81.09	105.3
#1	.0001	.0001	.0002	.0001	.0006	.0018	.0001	.0002	.0007
#2	.0002	.0002	.0002	.0002	.0002	.0014	.0002	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0001**	**-.0003**	**.0005**	**-.0003**	**.0007**	**.0068**	**.0095**
Stddev	.0000	.0001	.0007	.0013	.0002	.0023	.0007	.0074	.0011
%RSD	30.33	113.9	566.1	389.1	32.35	751.2	88.41	109.2	11.12
#1	-.0002	.0001	.0006	.0006	.0006	.0013	.0003	.0120	.0087
#2	-.0001	.0000	-.0004	-.0012	.0004	-.0019	.0012	.0015	.0102
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**	**.0133**	**.0108**	**.0034**	**.0006**	**.0007**	**-.0010**	**-.0015**	**-.0007**
Stddev	.0010	.0032	.0026	.0026	.0001	.0001	.0013	.0002	.0011
%RSD	18.42	24.33	23.88	74.36	16.15	9.512	127.1	15.22	161.9
#1	.0064	.0110	.0126	.0052	.0006	.0008	-.0020	-.0013	.0001
#2	.0049	.0156	.0090	.0016	.0007	.0007	-.0001	-.0017	-.0015
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 6:13:21 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0193**	**.0013**	**-.0046**	**.0001**	**.0013**
Stddev	.0000	.0001	.0019	.0002	.0006	.0001	.0005
%RSD	8.257	13.34	9.888	16.92	12.77	107.2	34.95
#1	.0002	.0004	.0206	.0015	-.0050	.0000	.0010
#2	.0001	.0005	.0179	.0012	-.0042	.0001	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**78327.**	**14058.**	**2579.5**	**3922.3**
Stddev	496.	72.	13.6	23.8
%RSD	.63359	.51163	.52652	.60752
#1	78678.	14007.	2589.1	3939.1
#2	77976.	14109.	2569.9	3905.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/10/2014 6:21:45 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0007**	**.0033**	**-.0013**	**-.0025**	**.0013**	**-.0001**	**.0003**	**.0069**
Stddev	.0001	.0001	.0001	.0000	.0007	.0004	.0001	.0008	.0001
%RSD	7.211	22.04	2.948	3.751	28.79	29.85	65.04	226.8	1.305
#1	-.0012	.0006	.0034	-.0012	-.0020	.0015	-.0001	-.0002	.0068
#2	-.0013	.0008	.0033	-.0013	-.0031	.0010	-.0002	.0009	.0069
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	**.0032**	**.0029**	**.0004**	**-.0015**	**-.0041**	**.0039**	**-.0004**	**517.6**	**404.1**
Stddev	.0000	.0001	.0007	.0005	.0000	.0064	.0024	4.6	.9
%RSD	1.427	4.658	183.6	34.28	1.073	165.7	590.7	.8877	.2131
#1	.0032	.0028	-.0001	-.0018	-.0041	.0084	-.0021	520.9	403.5
#2	.0032	.0030	.0009	-.0011	-.0041	-.0007	.0013	514.4	404.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**195.4**	**542.4**	**.0046**	**-.0272**	**-.0022**	**.0009**	**-.0390**	**-.0052**	**-.0044**
Stddev	.2	.5	.0077	.0067	.0013	.0012	.0002	.0005	.0019
%RSD	.0806	.0858	166.5	24.72	58.69	126.7	.6114	10.17	43.23
#1	195.5	542.1	-.0008	-.0225	-.0031	.0001	-.0392	-.0056	-.0058
#2	195.3	542.7	.0101	-.0320	-.0013	.0018	-.0388	-.0049	-.0031
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 6:21:45 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0019**	**-.0394**	**-.0002**	**-.0193**	**.0269**	**.0049**
Stddev	.0001	.0004	.0032	.0003	.0052	.0015	.0008
%RSD	1.505	22.37	8.010	170.6	26.62	5.510	16.24
#1	-.0049	.0016	-.0371	-.0004	-.0230	.0279	.0044
#2	-.0050	.0022	-.0416	.0000	-.0157	.0258	.0055
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	**65167.**	**12879.**	**2038.9**	**2924.9**
Stddev	282.	12.	1.3	.3
%RSD	.43270	.09179	.06242	.00999
#1	65367.	12887.	2038.0	2924.7
#2	64968.	12871.	2039.8	2925.1

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/10/2014 6:27:57 Type: QC
Method: Accutest1(v365) 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	**.5165**	**.4934**	**1.132**	**.5218**	**.5292**	**.5772**	**.5284**	**1.015**
Stddev	.0354	.0367	.009	.0059	.0077	.0151	.0097	.013
%RSD	6.854	7.437	.7758	1.136	1.462	2.620	1.835	1.242
#1	.4914	.4674	1.126	.5176	.5347	.5879	.5353	1.006
#2	.5415	.5193	1.138	.5260	.5238	.5665	.5216	1.024
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	**1.157**	**.5302**	**1.082**	**1.195**	**.9949**	**1.009**	**1.165**	**1.118**
Stddev	.019	.0096	.018	.014	.0083	.014	.007	.008
%RSD	1.676	1.818	1.627	1.173	.8369	1.388	.6141	.6993
#1	1.171	.5370	1.070	1.185	.9890	.9993	1.160	1.112
#2	1.143	.5234	1.095	1.205	1.001	1.019	1.170	1.123
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	**489.1**	**383.4**	**187.6**	**509.7**	**.0293**	**-.0187**	**.0024**	**.5441**
Stddev	29.2	17.2	12.2	34.2	.0377	.0006	.0003	.0060
%RSD	5.967	4.493	6.474	6.708	128.6	3.225	11.49	1.108
#1	468.5	371.2	179.1	485.5	.0027	-.0191	.0022	.5398
#2	509.8	395.5	196.2	533.9	.0560	-.0182	.0026	.5484
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 6:27:57 Type: QC
Method: Accutest1(v365) 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	**.5500**	**-.0067**	**-.0036**	**-.0048**	**.0022**	**.5688**	F **-.0005**	**.5308**
Stddev	.0144	.0017	.0008	.0001	.0000	.0092	.0011	.0095
%RSD	2.612	26.28	20.70	2.058	2.120	1.611	218.2	1.795
#1	.5602	-.0079	-.0042	-.0048	.0022	.5623	-.0013	.5240
#2	.5399	-.0054	-.0031	-.0047	.0023	.5753	.0003	.5375
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	**.5845**	**.5924**
Stddev	.0039	.0412
%RSD	.6697	6.953
#1	.5817	.5633
#2	.5872	.6215
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	**64291.**	**13504.**	**2036.0**	**2925.2**
Stddev	898.	706.	16.2	26.4
%RSD	1.3972	5.2293	.79735	.90368
#1	63656.	14003.	2047.4	2943.9
#2	64926.	13004.	2024.5	2906.5

Zoom In Zoom Out

Sample Name: mp79910-lc1 1 Acquired: 6/10/2014 6:33:58 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5343**	**.4852**	**.5202**	**.4891**	**.5094**	**.4601**	**.4878**	**.4884**	**.2054**
Stddev	.0002	.0010	.0040	.0048	.0027	.0026	.0025	.0048	.0005
%RSD	.0292	.2117	.7605	.9818	.5218	.5627	.5091	.9727	.2318
#1	.5344	.4845	.5174	.4857	.5113	.4583	.4896	.4851	.2051
#2	.5342	.4859	.5230	.4925	.5075	.4619	.4861	.4918	.2057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4809**	**.5073**	**.5121**	**.5351**	**.5073**	**.5519**	**.5129**	**5.096**	**5.924**
Stddev	.0027	.0060	.0054	.0044	.0051	.0064	.0031	.009	.018
%RSD	.5534	1.185	1.056	.8221	.9973	1.153	.6132	.1810	.2953
#1	.4828	.5030	.5083	.5320	.5037	.5474	.5107	5.103	5.936
#2	.4790	.5115	.5159	.5382	.5108	.5564	.5151	5.090	5.911

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.923**	**5.738**	**10.63**	**10.88**	**.0057**	**.4899**	**-.0037**	**.0271**	**.0015**
Stddev	.004	.041	.01	.02	.0003	.0043	.0002	.0011	.0003
%RSD	.0766	.7130	.1364	.1638	6.054	.8786	6.474	4.127	22.13
#1	5.927	5.709	10.62	10.89	.0054	.4868	-.0038	.0264	.0017
#2	5.920	5.767	10.64	10.86	.0059	.4929	-.0035	.0279	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5036**	**.0004**	**.0004**	**.0350**	**.0004**	**.0000**
Stddev	.0000	.0013	.0013	.0000	.0020	.0002	.0005
%RSD	3.788	.2624	355.7	.1154	5.771	53.18	1141.
#1	-.0002	.5045	-.0006	.0004	.0364	.0006	-.0003
#2	-.0002	.5026	.0013	.0004	.0336	.0003	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76724.**	**13985.**	**2480.5**	**3771.4**
Stddev	313.	42.	17.3	30.2
%RSD	.40837	.30224	.69788	.79987
#1	76503.	13955.	2492.8	3792.8
#2	76946.	14015.	2468.3	3750.1

Zoom In Zoom Out

Sample Name: mp79910-mb1 Acquired: 6/10/2014 6:39:54 Type: Unk
Method: Accutest1(v365) Mode: CONC 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**	**-.0002**	**.0002**	**-.0004**	**.0027**	**.0000**	**.0006**	**.0002**
Stddev	.0000	.0000	.0001	.0000	.0003	.0001	.0000	.0002	.0005
%RSD	19.79	17.20	27.77	3.006	90.79	4.834	36.59	27.39	286.2
#1	-.0001	.0001	-.0002	.0002	-.0006	.0026	.0001	.0005	-.0002
#2	-.0001	.0001	-.0002	.0002	-.0001	.0028	.0000	.0007	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0002**	**.0011**	**.0039**	**.0001**	**-.0000**	**-.0009**	**.0246**	**.0263**
Stddev	.0000	.0000	.0001	.0009	.0006	.0009	.0009	.0034	.0034
%RSD	2.242	22.66	5.940	23.95	406.1	3591.	102.4	13.83	12.82
#1	-.0002	.0002	.0012	.0032	-.0003	.0006	-.0002	.0222	.0287
#2	-.0002	.0002	.0011	.0045	.0006	-.0007	-.0016	.0270	.0239

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0252**	**.0385**	**-.0170**	**-.0033**	**-.0010**	**-.0005**	**-.0009**	**.0009**	**-.0011**
Stddev	.0044	.0223	.0177	.0035	.0006	.0003	.0000	.0002	.0002
%RSD	17.48	57.88	104.0	105.5	66.71	70.78	2.894	22.88	15.73
#1	.0283	.0227	-.0045	-.0058	-.0005	-.0002	-.0009	.0008	-.0010
#2	.0221	.0542	-.0294	-.0008	-.0014	-.0007	-.0009	.0010	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0006**	**-.0128**	**-.0008**	**.0533**	**.0011**	**-.0000**
Stddev	.0001	.0001	.0015	.0001	.0013	.0008	.0004
%RSD	248.6	15.28	12.03	11.84	2.402	79.81	3995.
#1	-.0001	.0006	-.0117	-.0007	.0524	.0017	.0003
#2	.0000	.0005	-.0138	-.0008	.0542	.0005	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77750.**	**14135.**	**2543.2**	**3976.8**
Stddev	77.	48.	25.1	32.4
%RSD	.09893	.33716	.98536	.81423
#1	77804.	14169.	2561.0	3999.7
#2	77695.	14102.	2525.5	3953.9

Zoom In Zoom Out

Sample Name: mp79910-s1 Acquired: 6/10/2014 6:46:00 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.258**	**.0540**	**.0596**	**.5439**	**.2248**	**.3405**	**.5298**	**.5409**	**.0079**
Stddev	.008	.0002	.0003	.0010	.0016	.0001	.0012	.0003	.0002
%RSD	.3411	.3461	.5708	.1773	.7167	.0174	.2246	.0575	2.195
#1	2.253	.0539	.0593	.5432	.2237	.3404	.5290	.5406	.0080
#2	2.264	.0542	.0598	.5446	.2259	.3405	.5307	.5411	.0077

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5324**	**.5664**	**2.376**	**2.349**	**.5587**	**2.622**	**.5843**	**2.159**	**73.08**
Stddev	.0022	.0007	.008	.014	.0012	.017	.0047	.009	.23
%RSD	.4048	.1211	.3299	.5739	.2108	.6527	.8112	.4005	.3127
#1	.5309	.5659	2.371	2.339	.5579	2.610	.5810	2.153	72.92
#2	.5339	.5669	2.382	2.358	.5595	2.634	.5877	2.165	73.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.176**	**46.06**	**31.95**	**48.98**	**.0092**	**-.0003**	**.0096**	**13.31**	**-.0042**
Stddev	.008	.25	.08	.18	.0003	.0001	.0010	.10	.0001
%RSD	.6675	.5417	.2577	.3649	3.276	45.68	9.973	.7559	3.182
#1	1.171	45.88	31.90	48.85	.0090	-.0002	.0103	13.24	-.0043
#2	1.182	46.23	32.01	49.10	.0094	-.0004	.0089	13.38	-.0041

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2659**	**.0019**	**.0166**	**-.0121**	**8.610**	**.0023**	**.0027**
Stddev	.0009	.0003	.0001	.0003	.053	.0001	.0001
%RSD	.3266	13.72	.8954	2.191	.6141	3.785	4.512
#1	.2653	.0017	.0167	-.0119	8.573	.0022	.0026
#2	.2665	.0021	.0164	-.0123	8.648	.0024	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75058.**	**14054.**	**2386.7**	**3534.8**
Stddev	327.	96.	14.0	11.8
%RSD	.43613	.68410	.58470	.33333
#1	75290.	14122.	2396.5	3543.2
#2	74827.	13986.	2376.8	3526.5

Zoom In Zoom Out

Sample Name: mp79910-s2 Acquired: 6/10/2014 6:51:53 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.248**	**.0541**	**.0720**	**.5490**	**.2342**	**.3584**	**.5560**	**.5470**	**.0065**
Stddev	.035	.0003	.0174	.0049	.0097	.0180	.0234	.0053	.0010
%RSD	1.545	.6194	24.23	.8968	4.159	5.016	4.200	.9664	15.99
#1	2.273	.0544	.0596	.5455	.2273	.3457	.5395	.5433	.0072
#2	2.224	.0539	.0843	.5525	.2411	.3711	.5726	.5507	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5554**	**.5735**	**2.402**	**2.364**	**.5659**	**2.655**	**.5876**	**2.117**	**73.65**
Stddev	.0210	.0047	.025	.012	.0025	.035	.0032	.067	1.17
%RSD	3.780	.8270	1.034	.5193	.4486	1.300	.5515	3.150	1.591
#1	.5405	.5701	2.385	2.355	.5641	2.631	.5853	2.164	74.48
#2	.5702	.5768	2.420	2.372	.5677	2.680	.5898	2.069	72.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.160**	**46.30**	**31.86**	**49.04**	**.0101**	**.0000**	**.0000**	**13.72**	**-.0031**
Stddev	.041	.72	.58	.81	.0004	.0005	.0163	.17	.0014
%RSD	3.515	1.546	1.808	1.658	4.066	1973.	139300.	1.261	45.98
#1	1.189	46.81	32.27	49.61	.0098	-.0003	.0115	13.60	-.0041
#2	1.131	45.80	31.45	48.46	.0104	.0004	-.0115	13.84	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2714**	**.0026**	**.0044**	**-.0062**	**8.846**	**.0009**	**.0040**
Stddev	.0024	.0010	.0168	.0085	.094	.0013	.0002
%RSD	.8671	37.90	382.6	136.4	1.068	154.5	4.476
#1	.2730	.0019	.0163	-.0122	8.779	.0018	.0038
#2	.2697	.0033	-.0075	-.0002	8.913	-.0001	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**14007.**	**2353.4**	**3482.5**
Stddev	-----	248.	25.6	30.6
%RSD	-----	1.7677	1.0885	.87858
#1	73641.	13832.	2371.5	3504.2
#2	-----	14182.	2335.3	3460.9

Zoom In Zoom Out

Sample Name: jb68344-2 Acquired: 6/10/2014 6:57:48 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0795**	**.0000**	**.0000**	**-.0004**	**.0008**	**.0753**	**.0016**	**.0053**	**.0014**
Stddev	.0001	.0001	.0001	.0002	.0003	.0008	.0000	.0001	.0006
%RSD	.1508	144.7	310.5	51.74	36.70	1.115	2.652	2.767	40.77
#1	.0794	.0001	.0001	-.0003	.0010	.0758	.0016	.0054	.0018
#2	.0796	-.0000	-.0000	-.0006	.0006	.0747	.0017	.0052	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0005**	**.0105**	**.0034**	**.0059**	**.0025**	**.0046**	**-.0011**	**.0550**	**46.16**
Stddev	.0003	.0001	.0001	.0010	.0006	.0013	.0004	.0006	.17
%RSD	63.68	1.225	2.022	17.63	23.69	28.27	33.16	1.017	.3735
#1	-.0007	.0106	.0033	.0052	.0029	.0037	-.0008	.0546	46.29
#2	-.0003	.0104	.0034	.0067	.0021	.0055	-.0014	.0553	46.04

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0485**	**18.14**	**3.143**	**20.36**	**.0092**	**-.0008**	**.0130**	**13.09**	**-.0037**
Stddev	.0040	.06	.001	.04	.0002	.0004	.0003	.04	.0001
%RSD	8.343	.3126	.0451	.1731	2.320	50.09	2.356	.2931	2.175
#1	.0513	18.18	3.142	20.34	.0093	-.0010	.0128	13.11	-.0036
#2	.0456	18.10	3.144	20.39	.0090	-.0005	.0132	13.06	-.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2689**	**.0003**	**-.0063**	**-.0124**	**8.328**	**.0014**	**.0036**
Stddev	.0007	.0005	.0002	.0002	.018	.0010	.0001
%RSD	.2423	163.5	2.887	1.860	.2128	70.35	2.041
#1	.2693	-.0000	-.0064	-.0126	8.341	.0007	.0036
#2	.2684	.0007	-.0062	-.0122	8.316	.0021	.0037

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75486.**	**13952.**	**2456.8**	**3727.5**
Stddev	145.	29.	2.4	3.2
%RSD	.19152	.20519	.09888	.08561
#1	75588.	13931.	2455.0	3725.2
#2	75384.	13972.	2458.5	3729.7

Zoom In Zoom Out

Sample Name: mp79910-sd1 Acquired: 6/10/2014 7:03:50 Type: Unk
Method: Accutest1(v365) 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	**.0797**	**.0004**	**.0006**	**-.0013**	**.0019**	**.0804**	**.0024**	**.0047**	**.0038**
Stddev	.0008	.0005	.0009	.0005	.0011	.0007	.0000	.0011	.0015
%RSD	1.032	149.2	146.6	35.71	58.31	.9264	.7180	23.24	39.05
#1	.0803	.0007	.0012	-.0010	.0011	.0809	.0023	.0054	.0049
#2	.0791	-.0000	-.0000	-.0016	.0026	.0799	.0024	.0039	.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0028**	**.0208**	**.0053**	**.0040**	**.0044**	**.0079**	**-.0035**	**.0974**	**46.43**
Stddev	.0012	.0008	.0023	.0038	.0058	.0030	.0005	.0283	.37
%RSD	42.01	3.812	42.93	95.28	133.1	37.84	12.93	29.06	.7942
#1	-.0037	.0202	.0069	.0013	.0085	.0058	-.0039	.0774	46.69
#2	-.0020	.0214	.0037	.0066	.0003	.0100	-.0032	.1175	46.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0760**	**18.17**	**3.023**	**19.83**	**.0079**	**-.0024**	**.0081**	**12.32**	**-.0089**
Stddev	.0028	.02	.011	.03	.0017	.0016	.0002	.20	.0012
%RSD	3.629	.1186	.3653	.1669	21.95	65.42	2.848	1.622	13.94
#1	.0740	18.19	3.031	19.86	.0092	-.0013	.0080	12.18	-.0097
#2	.0779	18.16	3.015	19.81	.0067	-.0035	.0083	12.47	-.0080

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2690**	**.0019**	**-.0381**	**-.0135**	**7.424**	**-.0051**	**.0031**
Stddev	.0016	.0015	.0028	.0004	.092	.0036	.0034
%RSD	.5881	79.11	7.252	3.119	1.240	71.12	111.4
#1	.2701	.0008	-.0361	-.0132	7.359	-.0025	.0007
#2	.2679	.0030	-.0400	-.0138	7.489	-.0076	.0055

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76372.**	**13739.**	**2527.3**	**3860.3**
Stddev	730.	161.	24.2	31.2
%RSD	.95561	1.1712	.95862	.80700
#1	75856.	13626.	2544.4	3882.3
#2	76888.	13853.	2510.2	3838.3

Zoom In Zoom Out

Sample Name: jb67795-1 Acquired: 6/10/2014 7:09:53 Type: Unk
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0225**	**-.0001**	**-.0001**	**-.0000**	**.0000**	**.0050**	**.0087**	**.0020**	**.0010**
Stddev	.0001	.0000	.0001	.0001	.0000	.0004	.0000	.0002	.0002
%RSD	.2336	18.45	94.74	581.3	97.64	8.268	.3091	9.198	19.69
#1	.0226	-.0001	-.0001	-.0001	.0000	.0047	.0087	.0019	.0012
#2	.0225	-.0001	-.0000	.0001	.0001	.0053	.0088	.0021	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.1032**	**.0022**	**.0044**	**.0014**	**.0016**	**-.0009**	**.0322**	**16.59**
Stddev	.0002	.0014	.0001	.0010	.0002	.0018	.0000	.0010	.06
%RSD	45.04	1.332	3.363	23.87	13.29	113.3	4.547	3.245	.3882
#1	-.0003	.1023	.0022	.0036	.0015	.0003	-.0009	.0315	16.63
#2	-.0005	.1042	.0023	.0051	.0012	.0028	-.0009	.0329	16.54

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0291**	**2.709**	**2.473**	**32.33**	**.0256**	**-.0007**	**.0029**	**3.475**	**-.0026**
Stddev	.0012	.008	.001	.00	.0011	.0002	.0003	.036	.0000
%RSD	3.963	.2933	.0363	.0098	4.309	20.80	10.49	1.051	1.427
#1	.0283	2.715	2.473	32.33	.0248	-.0006	.0027	3.450	-.0026
#2	.0299	2.703	2.472	32.34	.0263	-.0008	.0031	3.501	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0799**	**.0005**	**-.0127**	**-.0035**	**5.955**	**.0012**	**.0043**
Stddev	.0002	.0004	.0005	.0001	.074	.0005	.0003
%RSD	.2938	86.33	4.043	3.110	1.237	43.80	5.855
#1	.0801	.0002	-.0124	-.0035	5.903	.0008	.0042
#2	.0798	.0008	-.0131	-.0036	6.007	.0015	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76155.**	**14077.**	**2469.3**	**3793.0**
Stddev	26.	69.	28.5	35.3
%RSD	.03466	.48984	1.1561	.93061
#1	76136.	14028.	2489.4	3817.9
#2	76173.	14126.	2449.1	3768.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/10/2014 7:15:57 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.118**	**2.056**	**2.170**	**2.163**	**2.161**	**2.055**	**2.055**	**2.131**	**.2655**
Stddev	.060	.070	.015	.015	.004	.008	.002	.013	.0008
%RSD	2.857	3.424	.6760	.6999	.1718	.3949	.0930	.6244	.3054
#1	2.075	2.007	2.159	2.152	2.164	2.061	2.053	2.122	.2661
#2	2.161	2.106	2.180	2.173	2.159	2.049	2.056	2.141	.2649
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	**2.117**	**2.186**	**2.112**	**2.183**	**2.158**	**2.134**	**2.161**	**39.43**	**41.67**
Stddev	.001	.016	.012	.015	.015	.006	.013	1.21	1.43
%RSD	.0309	.7435	.5449	.6623	.7017	.2900	.5875	3.056	3.443
#1	2.116	2.175	2.104	2.173	2.147	2.130	2.153	38.58	40.66
#2	2.117	2.198	2.120	2.193	2.169	2.138	2.170	40.28	42.69
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	**41.01**	**41.02**	**42.18**	**42.25**	**2.166**	**2.126**	**2.116**	**5.382**	**2.161**
Stddev	1.27	1.57	1.22	1.19	.014	.015	.011	.032	.011
%RSD	3.108	3.830	2.894	2.819	.6607	.7128	.5109	.6016	.5124
#1	40.11	39.91	41.32	41.40	2.156	2.115	2.124	5.359	2.153
#2	41.91	42.13	43.04	43.09	2.176	2.137	2.109	5.405	2.169
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 7:15:57 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.129**	**2.124**	**2.027**	**2.120**	**2.121**	**2.099**	**2.079**
Stddev	.061	.001	.035	.001	.011	.010	.058
%RSD	2.887	.0637	1.729	.0364	.5357	.4728	2.794
#1	2.086	2.124	2.002	2.120	2.113	2.092	2.037
#2	2.173	2.123	2.052	2.119	2.129	2.106	2.120
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	**73104.**	**13756.**	**2342.2**	**3392.9**
Stddev	239.	395.	11.8	16.1
%RSD	.32660	2.8684	.50537	.47556
#1	72935.	14035.	2350.6	3404.3
#2	73273.	13477.	2333.9	3381.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/10/2014 7:21:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**.0002**	**.0003**	F **.0028**	**.0002**	**.0002**	**.0006**
Stddev	.0001	.0001	.0001	.0003	.0005	.0009	.0001	.0005	.0001
%RSD	285.3	59.10	47.21	173.2	177.5	33.04	52.78	230.3	12.36
#1	-.0000	.0001	.0001	-.0000	.0006	.0022	.0001	.0006	.0005
#2	.0001	.0002	.0003	.0004	-.0001	.0035	.0002	-.0001	.0006
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	**-.0004**	**.0002**	**-.0008**	**.0004**	**.0000**	**.0000**	**.0009**	**-.0007**	**.0133**
Stddev	.0005	.0001	.0008	.0015	.0008	.0006	.0005	.0032	.0027
%RSD	133.8	28.21	99.44	357.7	1656.	1639.	54.50	495.4	20.65
#1	-.0000	.0002	-.0013	-.0006	-.0005	.0005	.0005	-.0029	.0113
#2	-.0008	.0003	-.0002	.0015	.0006	-.0004	.0012	.0016	.0152
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**	**.0025**	**.0012**	**.0088**	**.0008**	**.0008**	**-.0008**	**.0066**	**-.0006**
Stddev	.0034	.0005	.0033	.0047	.0003	.0002	.0016	.0002	.0005
%RSD	55.16	18.21	284.6	53.78	40.74	21.18	193.6	2.672	81.49
#1	.0085	.0022	.0035	.0054	.0010	.0009	.0003	.0068	-.0010
#2	.0037	.0029	-.0012	.0121	.0006	.0007	-.0020	.0065	-.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 7:21:46 Type: QC
Method: Accutest1(v365) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**.0165**	**.0009**	**-.0022**	**.0002**	**.0011**
Stddev	.0001	.0001	.0017	.0000	.0024	.0001	.0010
%RSD	71.85	561.8	10.13	.6445	111.7	35.68	85.98
#1	.0001	.0001	.0176	.0009	-.0005	.0003	.0018
#2	.0002	-.0001	.0153	.0009	-.0039	.0002	.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	**76097.**	**13748.**	**2518.1**	**3843.5**
Stddev	511.	73.	42.0	61.5
%RSD	.67091	.53026	1.6688	1.6010
#1	76458.	13799.	2547.9	3887.0
#2	75736.	13696.	2488.4	3800.0

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	0.001380	0.000000	No
Be 313.042 {108}	☒	13	V	0.000497	0.000000	No
			Mo	-0.000027	0.000000	No
			Ti	-0.000701	0.000000	No
			Mn	-0.000010	0.000000	No
			Ba	0.000038	0.000000	No
			Co	-0.000065	0.000000	No
			Ni	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	-0.000003	0.000000	No
			Cr	-0.000020	0.000000	No
			W	0.000000	0.000000	No
Cd 228.802 {448}	☒	14	As	0.010250	0.000000	No
			Ni	-0.000173	0.000000	No
			Fe	-0.000012	0.000000	No
			V	0.000091	0.000000	No
			Ba	-0.000047	0.000000	No
			Co	-0.001503	0.000000	No
			Sr	-0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000010	0.000000	No
			Cr	0.000025	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000026	0.000000	No
			W	0.000000	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	0.000032	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001939	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001812	0.000000	No
			Ba	-0.000371	0.000000	No
			W	-0.001840	0.000000	No
			Cd	-0.000510	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	-0.000022	0.000000	No
			Mo	0.000018	0.000000	No
			Fe	-0.000008	0.000000	No
			W	0.000253	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	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	20	Cr	-0.000200	0.000000	No
			V	-0.000233	0.000000	No
			Mo	0.000556	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000082	0.000000	No
			Fe	-0.000055	0.000000	No
			Al	0.000006	0.000000	No
			Sn	-0.000097	0.000000	No
			Zn	-0.000004	0.000000	No
			Co	-0.000427	0.000000	No
			Zr	0.000000	0.000000	No
			Si	0.000080	0.000000	No
			Mn	-0.000080	0.000000	No
			Se	0.000050	0.000000	No
			Ba	-0.000000	0.000000	No
			Ag	-0.000077	0.000000	No
			Pb	0.000300	0.000000	No
			Sb	0.000370	0.000000	No
			Mg	-0.000002	0.000000	No
			Ca	-0.000001	0.000000	No
			W	0.000000	0.000000	No
Mn 257.610 {131}	☒	7	Fe	0.000000	0.000000	No
			Si	0.000050	0.000000	No
			Ba	0.000100	0.000000	No
			As	0.000001	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000028	0.000000	No
Ni 231.604 {446}	☒	17	Fe	0.000014	0.000000	No
			Zn	0.000079	0.000000	No
			Be	0.000213	0.000000	No
			Co	-0.000525	0.000000	No
			Tl	0.000209	0.000000	No
			Mg	0.000002	0.000000	No
			Mo	-0.000374	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Al	-0.000002	0.000000	No
			Cr	0.000006	0.000000	No
			Si	-0.000030	0.000000	No
			Sn	0.000079	0.000000	No
			Ba	0.000000	0.000000	No
			Ca	0.000001	0.000000	No
			W	0.000000	0.000000	No
Ag 328.068 {103}	☒	15	Mn	0.000051	0.000000	No
			Mo	-0.000147	0.000000	No
			Ti	-0.001500	0.000000	No
			Fe	-0.000335	0.000000	No
			V	0.000028	0.000000	No
			Zn	0.000046	0.000000	No
			W	0.000000	0.000000	No
			Ca	-0.000015	0.000000	No
			Zr	0.007000	0.000000	No
			Al	-0.000002	0.000000	No
			Sr	-0.000200	0.000000	No
			Mg	-0.000008	0.000000	No
			Ba	-0.000056	0.000000	No
			Cr	0.000010	0.000000	No
			S	0.000000	0.000000	No
V 292.402 {115}	☒	6	Ti	0.000530	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.013500	0.000000	No
			Fe	-0.000004	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003049	0.000000	No
			Mn	-0.000900	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000710	0.000000	No
			Mo	-0.000300	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	0.000005	0.000000	No
			Si	-0.000035	0.000000	No
			Mn	-0.000045	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000255	0.000000	No
			Cu	0.000056	0.000000	No
			As	0.000500	0.000000	No
			Be	0.000364	0.000000	No
			Pd	-0.000008	0.000000	No
			Bi	-0.001400	0.000000	No
			W	0.000000	0.000000	No
As 189.042 {478}	☒	24	Al	0.000016	0.000000	No
			Fe	-0.000131	0.000000	No
			Ca	-0.000015	0.000000	No
			Mn	-0.000105	0.000000	No
			Mo	0.003000	0.000000	No
			Cr	-0.003800	0.000000	No
			V	0.000070	0.000000	No
			Co	-0.000164	0.000000	No
			Ba	-0.000067	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000228	0.000000	No
			Tl	0.000000	0.000000	No
			Be	-0.000007	0.000000	No
			Mg	0.000000	0.000000	No
			Si	-0.000135	0.000000	No
			Zn	0.000020	0.000000	No
			Sr	-0.000054	0.000000	No
			Pd	0.025218	0.000000	No
			Zr	0.002316	0.000000	No
			Ti	-0.000100	0.000000	No
			S	-0.000005	0.000000	No
			W	0.020000	0.000000	No
			K	0.000000	0.000000	No
			Na	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000405	0.000000	No
			Mo	-0.007750	0.000000	No
			Al	-0.000026	0.000000	No
			Fe	0.000005	0.000000	No
			V	-0.029200	0.000000	No
			Mn	0.001598	0.000000	No
			Si	-0.000169	0.000000	No
			Ca	-0.000002	0.000000	No
			Ti	-0.003900	0.000000	No
			Mg	0.000000	0.000000	No
			Co	0.003209	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Sr	-0.000006	0.000000	No
				B	0.003650	0.000000	No
				Ba	-0.000056	0.000000	No
				Zn	0.001447	0.000000	No
				As	0.000077	0.000000	No
				W	0.000000	0.000000	No
				Ni	0.000064	0.000000	No
				Cu	0.000232	0.000000	No
				Zr	0.000067	0.000000	No
				Pd	0.000045	0.000000	No
				Pb	-0.000500	0.000000	No
				S	0.000010	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	-0.000083	0.000000	No
				Li	0.000100	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000126	0.000000	No
				Fe	0.000051	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	-0.000023	0.000000	No
				Zn	-0.000386	0.000000	No
				Mo	-0.000700	0.000000	No
				Cu	0.000110	0.000000	No
				V	-0.000338	0.000000	No
				Co	0.000111	0.000000	No
				Ti	-0.000016	0.000000	No
				Si	-0.000010	0.000000	No
				Ba	0.000020	0.000000	No
				Sb	-0.000200	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000117	0.000000	No
				W	0.000000	0.000000	No
				Mg	-0.000001	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000138	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.000935	0.000000	No
				Ni	0.000300	0.000000	No
				S	-0.000015	0.000000	No
	Se 196.090 {472}	☒	26	Al	-0.000001	0.000000	No
				Ca	0.000005	0.000000	No
				Mn	0.000151	0.000000	No
				Mo	0.000081	0.000000	No
				Fe	-0.000133	0.000000	No
				Co	0.000042	0.000000	No
				V	0.000110	0.000000	No
				Sr	-0.000108	0.000000	No
				Cu	-0.000007	0.000000	No
				W	0.090000	0.000000	No
				Si	-0.000353	0.000000	No
				Tl	0.000000	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000450	0.000000	No
				B	-0.000175	0.000000	No
				Pd	-0.000223	0.000000	No
				Ti	-0.000359	0.000000	No
				Cd	0.000090	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Zr	0.000000	0.000000	No
			Ba	0.004800	0.000000	No
			Mg	-0.000004	0.000000	No
			Pb	0.000154	0.000000	No
			Ni	-0.000250	0.000000	No
			Cr	0.000100	0.000000	No
			K	0.000000	0.000000	No
			Na	0.000000	0.000000	No
Sb 206.833 {463}	☒	17	Fe	0.000013	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	-0.000001	0.000000	No
			Ni	-0.000686	0.000000	No
			Cr	-0.008500	0.000000	No
			V	-0.002400	0.000000	No
			Zn	-0.000215	0.000000	No
			Mo	0.000500	0.000000	No
			Ti	0.000300	0.000000	No
			Sn	-0.016050	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.001760	0.000000	No
			Sr	0.000031	0.000000	No
			Mn	-0.000075	0.000000	No
			S	0.000001	0.000000	No
			W	0.000000	0.000000	No
			B	0.000000	0.000000	No
Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
			Ca	-0.000172	0.000000	No
			Mo	0.034000	0.000000	No
			Zr	-0.000018	0.000000	No
			Ti	0.000419	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	0.006667	0.000000	No
			Pd	-0.000871	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	0.003280	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.010000	0.000000	No
Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
			Si	-0.001181	0.000000	No
			Tl	-0.002602	0.000000	No
			Se	0.000000	0.000000	No
			Cr	-0.000566	0.000000	No
			Mn	0.000000	0.000000	No
			V	-0.000064	0.000000	No
			Cu	0.000953	0.000000	No
			K	0.000000	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000631	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
			Pd	-0.000714	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.020250	0.000000	No
			W	-0.006578	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000140	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	-0.015570	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	0.000000	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.024280	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.020000	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001428	0.000000	No
			V	0.000552	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	0.000038	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	-0.017300	0.000000	No
			Co	-0.007036	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000177	0.000000	No
			Si	-0.001040	0.000000	No
Si 212.412 {459}	☒	12	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.023200	0.000000	No
			V	-0.001400	0.000000	No
			Ti	0.006970	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000044	0.000000	No
			Sn	0.005721	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002000	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.003950	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000131	0.000000	No
			Pd	-0.000385	0.000000	No
Sr 407.771 { 83}	☒	3	Fe	0.000000	0.000000	No
			Ca	0.000043	0.000000	No
			Si	0.000033	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	0.000135	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.002300	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000900	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	-0.000015	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	-0.001000	0.000000	No
			Ni	-0.003000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	-0.002600	0.000000	No
			Cu	-0.001300	0.000000	No
			Ba	-0.001360	0.000000	No
			Tl	-0.002600	0.000000	No
Zr 339.198 { 99}	☒	6	Mo	0.000250	0.000000	No
			Ti	-0.000050	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000870	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
S 182.034 {485}	☒	7	Ca	0.000063	0.000000	No
			Mo	0.000614	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	-0.000028	0.000000	No
			Mn	0.002300	0.000000	No
			W	-0.028686	0.000000	No
			Zn	-0.001538	0.000000	No
Bi 223.061 {451}	☒	6	Ti	-0.002693	0.000000	No
			V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000010	0.000000	No
			Mg	-0.000014	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	-0.003914	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}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.003933	2.162560	0.000000	1.000000
Be 313.042 {108}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000111	1.269972	0.000000	1.000000
Cd 228.802 {448}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000675	0.957800	0.000000	1.000000
Co 228.616 {448}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000033	0.552556	0.000000	1.000000
Cr 267.716 {126}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000017	0.074441	0.000000	1.000000
Cu 324.754 {104}2	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.006192	0.184355	0.000000	1.000000
Mn 257.610 {131}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000038	0.376515	0.000000	1.000000
Ni 231.604 {446}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000763	0.435998	0.000000	1.000000
Ag 328.068 {103}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000153	0.110394	0.000000	1.000000
V 292.402 {115}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000006	0.136975	0.000000	1.000000
Zn 206.200 {464}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000345	0.985561	0.000000	1.000000
As 189.042 {478}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000552	0.099202	0.000000	1.000000
Tl 190.856 {477}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000774	0.070403	0.000000	1.000000
Pb 220.353 {453}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000059	0.179915	0.000000	1.000000
Se 196.090 {472}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000154	0.078759	0.000000	1.000000
Sb 206.833 {463}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000195	0.167742	0.000000	1.000000
Al 396.152 { 85}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000213	0.029141	0.000000	1.000000
Ca 317.933 {106}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.003659	0.041248	0.000000	1.000000
Fe 259.940 {130}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000167	0.026399	0.000000	1.000000
Mg 279.079 {121}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000011	0.003918	0.000000	1.000000
K 766.490 { 44}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.004357	0.034606	0.000000	1.000000
Na 589.592 { 57}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.001197	0.117977	0.000000	1.000000
B 208.959 {462}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000519	0.258249	0.000000	1.000000
Mo 202.030 {467}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.001145	0.648102	0.000000	1.000000
Pd 340.458 { 99}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000021	0.049123	0.000000	1.000000
Si 212.412 {459}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.005635	0.217959	0.000000	1.000000
Sn 189.989 {478}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000389	0.161128	0.000000	1.000000
Sr 407.771 { 83}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000337	3.129982	0.000000	1.000000
Ti 334.904 {101}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000157	0.125006	0.000000	1.000000
Y 360.073 { 94}*	6/10/2014 9:56:02	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/10/2014 9:56:02	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/10/2014 9:56:02	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/10/2014 9:56:02	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.004338	0.276678	0.000000	1.000000
Zr 339.198 { 99}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000090	0.327095	0.000000	1.000000
S 182.034 {485}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000152	0.051959	0.000000	1.000000
Bi 223.061 {451}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	-0.000671	0.177031	0.000000	1.000000
Li 670.784 { 50}	6/10/2014 9:56:02	6/9/2014 11:45:51	Linear	1/Conc	0.000082	0.830133	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	0.000207	0.000691	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000114	0.000381	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000194	0.000647	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000262	0.000872	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000530	0.001766	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000512	0.001706	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000099	0.000329	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000378	0.001259	OK.	1.000000	0.000000	1	0
Ag 328.068 {103}	1.000000	0.000000	0.000729	0.002429	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000401	0.001337	OK.	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000165	0.000551	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.001279	0.004263	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.001832	0.006105	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001282	0.004272	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002118	0.007060	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001239	0.004131	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.011286	0.037619	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.004127	0.013756	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.003430	0.011432	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.029427	0.098091	OK.	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.023983	0.079945	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.006754	0.022515	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000596	0.001988	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000283	0.000944	OK.	1.000000	0.000000	1	0
Pd 340.458 { 99}	1.000000	0.000000	0.001574	0.005246	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.000957	0.003192	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.000797	0.002657	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000092	0.000305	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000596	0.001988	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	0.001285	0.004282	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000243	0.000811	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.002604	0.008681	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001510	0.005032	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.001030	0.003434	OK.	1.000000	0.000000	1	0

MA34211

Method: ACCUTEST Operator: Admin Date of Analysis: 11 Jun 2014 11:14:54

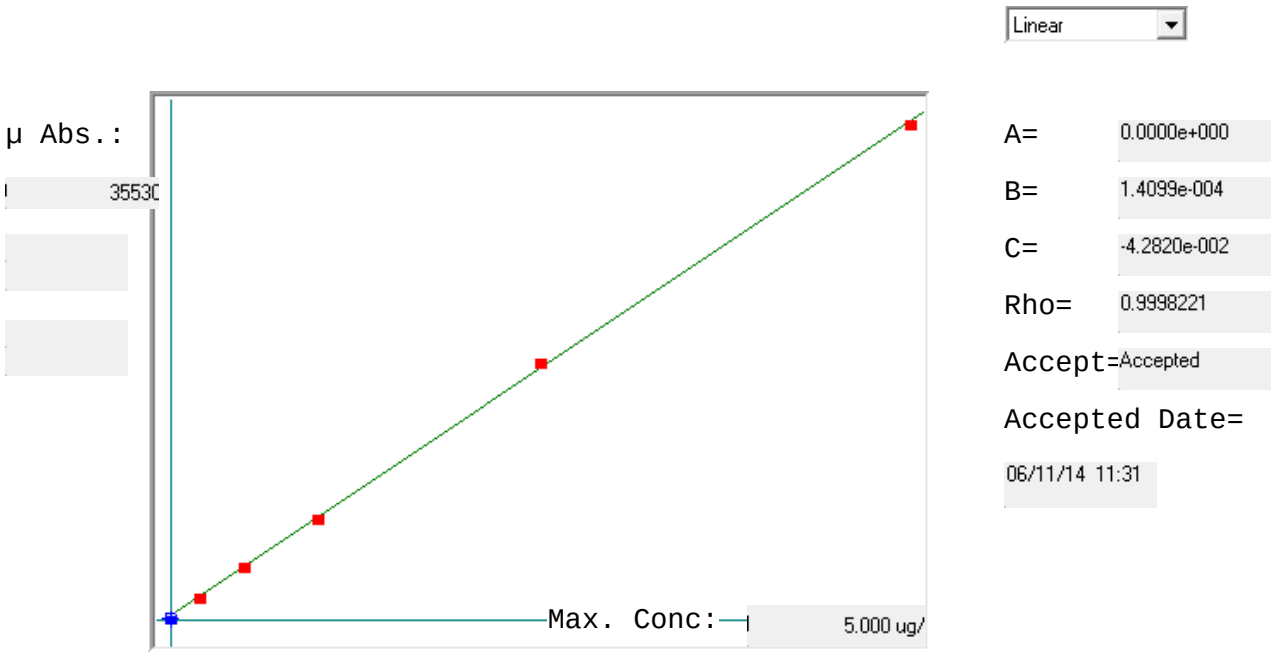
Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	11 Jun 2014 11:18:14	Std	ug/l	-	215	1.000	1.000
STDB - 1	11 Jun 2014 11:22:36	Std	ug/l	-	1641	1.000	1.000
STDC - 1	11 Jun 2014 11:23:55	Std	ug/l	-	3850	1.000	1.000
STDD - 1	11 Jun 2014 11:25:15	Std	ug/l	-	7304	1.000	1.000
STDE - 1	11 Jun 2014 11:26:35	Std	ug/l	-	18536	1.000	1.000
STDF - 1	11 Jun 2014 11:27:59	Std	ug/l	-	35530	1.000	1.000
ICV - 1	11 Jun 2014 11:32:40	SMPL	ug/l	3.0457	21906	1.000	1.000
ICB - 1	11 Jun 2014 11:33:59	SMPL	ug/l	-0.0167	185	1.000	1.000
CCV - 1	11 Jun 2014 11:35:31	CK STND	ug/l	105.0% 2.6240	18915	1.000	1.000
CCB - 1	11 Jun 2014 11:36:47	CK STND	ug/l	-0.0249	127	1.000	1.000
CRI - 1	11 Jun 2014 11:38:15	SMPL	ug/l	0.1658	1480	1.000	1.000
LODCONF - 1	11 Jun 2014 11:51:58	SMPL	ug/l	0.1025	1031	1.000	1.000
LOQCONF - 1	11 Jun 2014 11:53:14	SMPL	ug/l	0.1883	1639	1.000	1.000
MP79976-MB1 - 1	11 Jun 2014 11:54:34	SMPL	ug/l	-0.0745	-225	1.000	1.000
MP79976-LC1 - 1	11 Jun 2014 11:55:53	SMPL	ug/l	6.4399	23142	1.000	2.000
MP79976-S1 - 1	11 Jun 2014 11:57:09	SMPL	ug/l	2.7399	19737	1.000	1.000
MP79976-S2 - 1	11 Jun 2014 11:58:41	SMPL	ug/l	2.4731	17845	1.000	1.000
JB67898-1 - 1	11 Jun 2014 12:00:00	SMPL	ug/l	2.8044	20195	1.000	1.000
JB67898-2 - 1	11 Jun 2014 12:01:30	SMPL	ug/l	0.0302	518	1.000	1.000
JB67897-1 - 1	11 Jun 2014 12:03:00	SMPL	ug/l	0.0574	711	1.000	1.000
CCV - 1	11 Jun 2014 12:04:20	CK STND	ug/l	108.9% 2.7231	19618	1.000	1.000
CCB - 1	11 Jun 2014 12:05:38	CK STND	ug/l	-0.0812	-272	1.000	1.000
JB67897-3 - 1	11 Jun 2014 12:07:07	SMPL	ug/l	0.1141	1113	1.000	1.000
JB67897-4 - 1	11 Jun 2014 12:08:25	SMPL	ug/l	0.5362	4107	1.000	1.000
JB67897-5 - 1	11 Jun 2014 12:09:45	SMPL	ug/l	1.1057	8146	1.000	1.000
JB67897-8 - 1	11 Jun 2014 12:11:05	SMPL	ug/l	1.7025	12379	1.000	1.000
JB67897-2A - 1	11 Jun 2014 12:12:25	SMPL	ug/l	1.0288	7601	1.000	1.000
JB67897-6A - 1	11 Jun 2014 12:13:52	SMPL	ug/l	1.4302	10448	1.000	1.000
JB67912-2A - 1	11 Jun 2014 12:15:11	SMPL	ug/l	1.4650	10695	1.000	1.000
JB67912-3A - 1	11 Jun 2014 12:16:31	SMPL	ug/l	1.3466	9855	1.000	1.000
JB67912-6A - 1	11 Jun 2014 12:17:55	SMPL	ug/l	5.6827	40610	1.000	1.000
JB67912-9A - 1	11 Jun 2014 12:19:21	SMPL	ug/l	0.5234	4016	1.000	1.000
CCV - 1	11 Jun 2014 12:20:56	CK STND	ug/l	(H)113.8% 2.8450	20483	1.000	1.000
CCB - 1	11 Jun 2014 12:22:15	CK STND	ug/l	-0.0599	-121	1.000	1.000
JB67912-20A - 1	11 Jun 2014 12:23:44	SMPL	ug/l	0.7868	5884	1.000	1.000
JB67912-22A - 1	11 Jun 2014 12:25:01	SMPL	ug/l	0.2074	1775	1.000	1.000
JB67912-24A - 1	11 Jun 2014 12:26:24	SMPL	ug/l	3.7314	26770	1.000	1.000
JB67912-28A - 1	11 Jun 2014 12:27:44	SMPL	ug/l	3.6487	26183	1.000	1.000
JB67912-29A - 1	11 Jun 2014 12:29:21	SMPL	ug/l	3.1726	22806	1.000	1.000
JB67912-31A - 1	11 Jun 2014 12:30:53	SMPL	ug/l	0.0755	839	1.000	1.000
JB67587-11R - 1	11 Jun 2014 12:32:24	SMPL	ug/l	4.0278	28872	1.000	1.000
JB67912-6A - 1	11 Jun 2014 12:33:43	SMPL	ug/l	5.3568	19301	1.000	2.000
MP79977-MB1 - 1	11 Jun 2014 12:37:25	SMPL	ug/l	-0.0424	3	1.000	1.000
CCV - 1	11 Jun 2014 12:38:42	CK STND	ug/l	(H)118.6% 2.9656	21338	1.000	1.000
CCB - 1	11 Jun 2014 12:39:57	CK STND	ug/l	-0.0737	-219	1.000	1.000
MP79977-LC1 - 1	11 Jun 2014 12:41:29	SMPL	ug/l	6.4757	23269	1.000	2.000
MP79977-S1 - 1	11 Jun 2014 12:42:47	SMPL	ug/l	2.1104	15272	1.000	1.000
MP79977-S2 - 1	11 Jun 2014 12:44:19	SMPL	ug/l	2.2006	15912	1.000	1.000
JB68561-1 - 1	11 Jun 2014 12:45:47	SMPL	ug/l	-0.0258	121	1.000	1.000
JB67929-1A - 1	11 Jun 2014 12:49:06	SMPL	ug/l	17.0939	121547	1.000	1.000
JB67929-2A - 1	11 Jun 2014 12:50:22	SMPL	ug/l	-0.0468	-28	1.000	1.000
JB67929-3A - 1	11 Jun 2014 12:52:08	SMPL	ug/l	0.1797	1578	1.000	1.000
JB67929-4A - 1	11 Jun 2014 12:53:27	SMPL	ug/l	0.3988	3132	1.000	1.000
JB67929-5A - 1	11 Jun 2014 12:54:48	SMPL	ug/l	0.3098	2501	1.000	1.000
JB67929-6A - 1	11 Jun 2014 12:56:11	SMPL	ug/l	0.1464	1342	1.000	1.000
CCV - 1	11 Jun 2014 12:57:31	CK STND	ug/l	108.7% 2.7187	19587	1.000	1.000
CCB - 1	11 Jun 2014 12:58:50	CK STND	ug/l	-0.1034	-430	1.000	1.000
JB67268-2 - 1	11 Jun 2014 13:00:18	SMPL	ug/l	-0.0190	169	1.000	1.000
JB67929-1A - 1	11 Jun 2014 13:05:02	SMPL	ug/l	17.3276	24884	1.000	5.000
JB67976-1 - 1	11 Jun 2014 13:06:18	SMPL	ug/l	-0.0255	123	1.000	1.000
JB67976-2 - 1	11 Jun 2014 13:07:52	SMPL	ug/l	-0.0038	277	1.000	1.000
JB67976-3 - 1	11 Jun 2014 13:09:11	SMPL	ug/l	-0.0045	272	1.000	1.000
JB67976-4 - 1	11 Jun 2014 13:10:30	SMPL	ug/l	0.0092	369	1.000	1.000
JB67976-5 - 1	11 Jun 2014 13:11:47	SMPL	ug/l	-0.0310	84	1.000	1.000
JB67976-8 - 1	11 Jun 2014 13:13:05	SMPL	ug/l	-0.0191	168	1.000	1.000
JB67976-9 - 1	11 Jun 2014 13:14:24	SMPL	ug/l	-0.0158	192	1.000	1.000
JB67976-10 - 1	11 Jun 2014 13:15:43	SMPL	ug/l	-0.0203	160	1.000	1.000
CCV - 1	11 Jun 2014 13:17:01	CK STND	ug/l	105.6% 2.6398	19027	1.000	1.000
CCB - 1	11 Jun 2014 13:18:17	CK STND	ug/l	-0.0451	-16	1.000	1.000

MA34211

Method: ACCUTEST Operator: Admin Date of Analysis: 11 Jun 2014 11:14:54

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB67976-11 - 1	11 Jun 2014 13:19:45	SMPL	ug/l	-0.0286	101	1.000	1.000
JB67976-12 - 1	11 Jun 2014 13:21:05	SMPL	ug/l	-0.0159	191	1.000	1.000
JB68561-3 - 1	11 Jun 2014 13:22:22	SMPL	ug/l	-0.0258	121	1.000	1.000
JB68561-5 - 1	11 Jun 2014 13:23:40	SMPL	ug/l	-0.0183	174	1.000	1.000
MP79978-MB1 - 1	11 Jun 2014 13:44:37	SMPL	ug/l	-0.0252	125	1.000	1.000
MP79978-LC1 - 1	11 Jun 2014 13:45:54	SMPL	ug/l	6.2540	22483	1.000	2.000
MP79978-S1 - 1	11 Jun 2014 13:47:11	SMPL	ug/l	1.9609	14212	1.000	1.000
MP79978-S2 - 1	11 Jun 2014 13:48:36	SMPL	ug/l	2.1464	15528	1.000	1.000
JB68603-1A - 1	11 Jun 2014 13:50:06	SMPL	ug/l	-0.1008	-411	1.000	1.000
JB68602-1A - 1	11 Jun 2014 13:51:34	SMPL	ug/l	0.3047	2465	1.000	1.000
CCV - 1	11 Jun 2014 13:52:52	CK STND	ug/l	99.3% 2.4834	17918	1.000	1.000
CCB - 1	11 Jun 2014 13:54:11	CK STND	ug/l	-0.0933	-358	1.000	1.000
JB68604-1A - 1	11 Jun 2014 13:55:42	SMPL	ug/l	0.4845	3740	1.000	1.000
JB68822-1A - 1	11 Jun 2014 13:57:01	SMPL	ug/l	1.1650	8567	1.000	1.000
JB68823-1A - 1	11 Jun 2014 13:58:24	SMPL	ug/l	0.4810	3715	1.000	1.000
JB68824-1A - 1	11 Jun 2014 14:00:01	SMPL	ug/l	0.1842	1610	1.000	1.000
JB68829-1 - 1	11 Jun 2014 14:01:23	SMPL	ug/l	-0.0297	93	1.000	1.000
JB68829-2 - 1	11 Jun 2014 14:02:42	SMPL	ug/l	0.0295	513	1.000	1.000
JB68829-3 - 1	11 Jun 2014 14:04:01	SMPL	ug/l	0.4003	3143	1.000	1.000
JB68829-4 - 1	11 Jun 2014 14:05:20	SMPL	ug/l	0.0664	775	1.000	1.000
JB68829-5 - 1	11 Jun 2014 14:06:40	SMPL	ug/l	0.0210	453	1.000	1.000
JB67999-7A - 1	11 Jun 2014 14:08:00	SMPL	ug/l	0.3679	2913	1.000	1.000
CCV - 1	11 Jun 2014 14:09:18	CK STND	ug/l	(H)111.2% 2.7812	20030	1.000	1.000
CCB - 1	11 Jun 2014 14:10:37	CK STND	ug/l	-0.0650	-157	1.000	1.000
JB67999-11A - 1	11 Jun 2014 14:12:08	SMPL	ug/l	0.2833	2313	1.000	1.000
JB67999-13A - 1	11 Jun 2014 14:13:27	SMPL	ug/l	1.1233	8271	1.000	1.000
JB67999-18A - 1	11 Jun 2014 14:14:47	SMPL	ug/l	1.9436	14089	1.000	1.000
JB67999-21A - 1	11 Jun 2014 14:16:15	SMPL	ug/l	10.7065	76243	1.000	1.000
JB67999-22A - 1	11 Jun 2014 14:17:35	SMPL	ug/l	0.4740	3666	1.000	1.000
JB67941-1 - 1	11 Jun 2014 14:19:22	SMPL	ug/l	-0.0483	-39	1.000	1.000
MP79990-MB1 - 1	11 Jun 2014 14:20:44	SMPL	ug/l	-0.0444	-11	1.000	1.000
MP79990-LC1 - 1	11 Jun 2014 14:22:01	SMPL	ug/l	5.9523	21413	1.000	2.000
MP79990-S1 - 1	11 Jun 2014 14:23:19	SMPL	ug/l	2.2219	16063	1.000	1.000
MP79990-S2 - 1	11 Jun 2014 14:24:49	SMPL	ug/l	2.1673	15676	1.000	1.000
CCV - 1	11 Jun 2014 14:26:19	CK STND	ug/l	(H)111.2% 2.7796	20019	1.000	1.000
CCB - 1	11 Jun 2014 14:27:47	CK STND	ug/l	-0.0493	-46	1.000	1.000
JB67981-8 - 1	11 Jun 2014 14:29:17	SMPL	ug/l	0.4701	3638	1.000	1.000
JB67981-1 - 1	11 Jun 2014 14:30:35	SMPL	ug/l	0.4371	3404	1.000	1.000
JB67981-2 - 1	11 Jun 2014 14:31:55	SMPL	ug/l	0.3477	2770	1.000	1.000
JB67981-3 - 1	11 Jun 2014 14:33:15	SMPL	ug/l	0.3837	3025	1.000	1.000
JB67981-4 - 1	11 Jun 2014 14:34:35	SMPL	ug/l	0.3311	2652	1.000	1.000
JB67981-5 - 1	11 Jun 2014 14:35:56	SMPL	ug/l	0.3479	2771	1.000	1.000
JB67981-6 - 1	11 Jun 2014 14:37:16	SMPL	ug/l	-0.0119	219	1.000	1.000
JB67981-9 - 1	11 Jun 2014 14:38:37	SMPL	ug/l	0.9091	6752	1.000	1.000
JB67981-10 - 1	11 Jun 2014 14:39:56	SMPL	ug/l	0.2458	2047	1.000	1.000
JB67981-11 - 1	11 Jun 2014 14:41:20	SMPL	ug/l	0.8408	6267	1.000	1.000
CCV - 1	11 Jun 2014 14:42:40	CK STND	ug/l	105.1% 2.6264	18932	1.000	1.000
CCB - 1	11 Jun 2014 14:44:04	CK STND	ug/l	-0.0582	-109	1.000	1.000
JB67981-12 - 1	11 Jun 2014 14:45:33	SMPL	ug/l	1.0125	7485	1.000	1.000
JB67981-7A - 1	11 Jun 2014 14:46:53	SMPL	ug/l	1.2777	9366	1.000	1.000
JB67981-13A - 1	11 Jun 2014 14:48:18	SMPL	ug/l	0.2177	1848	1.000	1.000
JB67999-21A - 1	11 Jun 2014 15:13:53	SMPL	ug/l	10.1365	14683	1.000	5.000
CCV - 1	11 Jun 2014 15:15:10	CK STND	ug/l	(H)110.7% 2.7686	19941	1.000	1.000
CCB - 1	11 Jun 2014 15:16:39	CK STND	ug/l	-0.0394	24	1.000	1.000
CRI - 1	11 Jun 2014 16:13:05	SMPL	ug/l	0.1990	1715	1.000	1.000
JB68935-7A - 1	11 Jun 2014 16:36:47	SMPL	ug/l	0.2947	2394	1.000	1.000
JB68935-14A - 1	11 Jun 2014 16:38:04	SMPL	ug/l	0.1094	1080	1.000	1.000
JB68938-9A - 1	11 Jun 2014 16:39:25	SMPL	ug/l	0.2908	2366	1.000	1.000
JB68938-16A - 1	11 Jun 2014 16:40:45	SMPL	ug/l	-0.0394	24	1.000	1.000
JB68938-21A - 1	11 Jun 2014 16:42:06	SMPL	ug/l	0.0007	309	1.000	1.000
JB68899-1 - 1	11 Jun 2014 16:43:25	SMPL	ug/l	0.3198	2572	1.000	1.000
JB68899-2 - 1	11 Jun 2014 16:44:44	SMPL	ug/l	0.4117	3224	1.000	1.000
CCV - 1	11 Jun 2014 16:46:05	CK STND	ug/l	104.9% 2.6214	18897	1.000	1.000
CCB - 1	11 Jun 2014 16:47:24	CK STND	ug/l	-0.0530	-72	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	-0.013	-0.013	215	0.000	215				
STDB	0.200	0.189	-0.011	1641	0.0 %	1641				
STDC	0.500	0.500	-0.000	3850	0.0 %	3850				
STDD	1.000	0.987	-0.013	7304	0.0 %	7304				
STDE	2.500	2.571	0.071	18536	0.0 %	18536				
STDF	5.000	4.966	-0.034	35530	0.0 %	35530				

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Sample Name: STDA Acquired: 6/11/2014 11:07:56 Type: Cal
Method: Accutest 2(v84) 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	**.0062**	**.0001**	**-.0002**	**-.0000**	**.0000**	**.0054**	**-.0000**	**.0002**	**-.0002**
Stddev	.0002	.0001	.0001	.0001	.0000	.0001	.0000	.0000	.0000
%RSD	3.534	54.45	55.77	223.7	116.6	1.688	38.21	4.379	.4088
#1	.0063	.0002	-.0001	.0000	.0001	.0053	-.0000	.0002	-.0002
#2	.0060	.0001	-.0003	-.0001	.0000	.0054	-.0001	.0002	-.0002

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**	**.0000**	**.0001**	**.0000**	**-.0001**	**.0003**	**-.0003**	**-.0003**	**.0062**
Stddev	.0001	.0003	.0001	.0000	.0001	.0001	.0002	.0000	.0000
%RSD	389.8	1663.	125.1	10.52	84.20	28.41	66.96	6.111	.6508
#1	-.0000	.0002	.0001	.0000	-.0000	.0004	-.0002	-.0003	.0063
#2	.0001	-.0002	.0000	.0000	-.0001	.0002	-.0005	-.0003	.0062

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**	**-.0038**	**.0003**	**.0001**	**.0004**	**.0005**	**.0024**	**.0001**
Stddev	.0001	.0000	.0001	.0001	.0001	.0002	.0000	.0002	.0001
%RSD	305.8	54.19	3.351	28.89	87.37	44.88	3.794	8.443	59.77
#1	.0001	-.0001	-.0038	.0004	.0001	.0003	.0005	.0022	.0002
#2	-.0000	-.0000	-.0037	.0003	.0002	.0005	.0005	.0025	.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	**.0000**	**-.0002**	**.0053**	**-.0002**	**.0002**	**-.0011**	**.0023**
Stddev	.0001	.0001	.0002	.0000	.0001	.0003	.0005
%RSD	116.3	22.68	4.042	21.24	54.85	27.59	19.74
#1	.0000	-.0003	.0052	-.0001	.0001	-.0013	.0027
#2	.0001	-.0002	.0055	-.0002	.0003	-.0009	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86754.**	**17701.**	**2196.7**	**4797.5**
Stddev	287.	77.	.4	6.5
%RSD	.33103	.43237	.01809	.13541
#1	86551.	17647.	2197.0	4802.0
#2	86957.	17755.	2196.4	4792.9

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/11/2014 11:11:08 Type: Cal
Method: Accutest 2(v84) 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	**6.245**	**5.049**	**3.050**	**1.800**	**.3369**	**.7183**	**1.977**	**1.343**	**.0512**
Stddev	.004	.002	.002	.003	.0011	.0051	.007	.001	.0004
%RSD	.0704	.0337	.0725	.1812	.3213	.7095	.3370	.0932	.8563
#1	6.248	5.047	3.048	1.802	.3377	.7219	1.982	1.344	.0515
#2	6.242	5.050	3.051	1.798	.3362	.7147	1.972	1.342	.0509

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	**.5154**	**4.065**	**.3781**	**.2004**	**.5924**	**.2828**	**.5691**	**2.659**	**3.451**
Stddev	.0020	.004	.0002	.0003	.0004	.0002	.0003	.001	.003
%RSD	.3836	.1111	.0504	.1660	.0600	.0854	.0573	.0217	.0777
#1	.5168	4.068	.3782	.2007	.5927	.2826	.5688	2.659	3.449
#2	.5140	4.062	.3780	.2002	.5922	.2830	.5693	2.660	3.453

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	**1.916**	**.0435**	**1.967**	**6.977**	**.8283**	**3.100**	**.1691**	**2.164**	**.6808**
Stddev	.003	.0000	.004	.012	.0002	.002	.0011	.000	.0006
%RSD	.1346	.0527	.1943	.1769	.0249	.0525	.6254	.0095	.0847
#1	1.914	.0436	1.970	6.986	.8281	3.101	.1699	2.164	.6813
#2	1.918	.0435	1.964	6.968	.8284	3.099	.1684	2.164	.6804

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	**10.89**	**.4847**	**1.379**	**1.233**	**.2155**	**.7320**	**2.245**
Stddev	.05	.0022	.012	.006	.0001	.0012	.002
%RSD	.4206	.4436	.8428	.5155	.0632	.1576	.1019
#1	10.86	.4863	1.387	1.238	.2154	.7312	2.246
#2	10.92	.4832	1.371	1.229	.2156	.7329	2.243

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79269.**	**17589.**	**2057.5**	**4111.2**
Stddev	42.	24.	1.8	.4
%RSD	.05256	.13885	.08549	.00890
#1	79240.	17606.	2058.7	4111.5
#2	79299.	17572.	2056.2	4111.0

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/11/2014 11:14:08 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.034**	**2.001**	**2.001**	**2.037**	**1.967**	**2.037**	**2.028**	**.2477**
Stddev	.015	.010	.009	.005	.001	.005	.006	.004	.0002
%RSD	.7234	.4698	.4400	.2730	.0582	.2333	.3045	.1924	.0962
#1	2.013	2.027	1.995	1.997	2.036	1.964	2.032	2.026	.2476
#2	2.033	2.041	2.008	2.004	2.038	1.971	2.041	2.031	.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	**1.990**	**2.040**	**1.995**	**2.075**	**2.039**	**2.007**	**2.008**	**39.74**	**40.22**
Stddev	.002	.004	.007	.001	.006	.014	.010	.32	.25
%RSD	.1121	.2218	.3284	.0329	.3127	.7062	.5050	.8155	.6237
#1	1.988	2.037	1.991	2.074	2.035	1.996	2.001	39.51	40.04
#2	1.991	2.043	2.000	2.075	2.044	2.017	2.015	39.97	40.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.22**	**39.77**	**39.78**	**39.95**	**2.034**	**2.027**	**2.004**	**4.973**	**2.050**
Stddev	.14	.26	.37	.32	.009	.008	.001	.022	.003
%RSD	.3602	.6620	.9363	.8016	.4494	.3827	.0567	.4482	.1615
#1	40.11	39.59	39.52	39.73	2.027	2.021	2.003	4.957	2.047
#2	40.32	39.96	40.05	40.18	2.040	2.032	2.004	4.988	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: ccvconf Acquired: 6/11/2014 11:14:08 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**2.004**	**2.053**	**1.990**	**1.970**	**2.015**	**1.983**
Stddev	.012	.005	.004	.005	.013	.014	.014
%RSD	.5912	.2308	.1690	.2459	.6630	.7116	.7148
#1	2.015	2.001	2.051	1.987	1.961	2.005	1.973
#2	2.032	2.007	2.056	1.994	1.979	2.026	1.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81346.**	**17736.**	**2123.6**	**4293.6**
Stddev	36.	115.	9.6	16.5
%RSD	.04377	.64732	.44992	.38354
#1	81321.	17817.	2130.3	4305.3
#2	81371.	17654.	2116.8	4282.0

11.7

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/11/2014 11:17:05 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**-.0001**	**.0001**	**-.0003**	F **.0012**	**.0001**	**.0000**	**-.0006**
Stddev	.0002	.0001	.0002	.0003	.0002	.0001	.0000	.0001	.0011
%RSD	171.2	68.70	124.1	428.8	70.19	4.561	43.78	648.8	204.4
#1	.0000	.0002	-.0000	.0003	-.0004	.0013	.0001	.0001	.0002
#2	-.0002	.0001	-.0003	-.0002	-.0001	.0012	.0001	-.0001	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**.0003**	**.0006**	F **.0031**	**-.0003**	**-.0003**	**-.0018**	**.0007**	**.0099**	**.0043**
Stddev	.0000	.0001	.0002	.0007	.0006	.0016	.0012	.0077	.0032
%RSD	15.88	23.00	5.998	206.0	179.4	90.08	172.1	78.25	74.41
#1	.0003	.0005	.0032	.0002	-.0007	-.0030	.0015	.0153	.0066
#2	.0003	.0007	.0029	-.0008	.0001	-.0007	-.0002	.0044	.0020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0027						
Low Limit			-.0027						

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0316**	**.0329**	**.0247**	**.0016**	**.0015**	**-.0001**	**-.0002**	**-.0006**
Stddev	.0005	.0071	.0327	.0041	.0004	.0001	.0010	.0000	.0002
%RSD	10.63	22.43	99.41	16.69	21.62	9.886	658.9	6.299	24.91
#1	.0047	.0266	.0561	.0276	.0019	.0014	.0005	-.0002	-.0005
#2	.0055	.0366	.0098	.0217	.0014	.0016	-.0008	-.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									

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/11/2014 11:17:05 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0319**	F **.0011**	**.0018**	**-.0004**	**.0003**
Stddev	.0001	.0002	.0058	.0002	.0008	.0015	.0004
%RSD	47.99	90.58	18.14	15.11	45.85	434.1	147.1
#1	.0001	-.0001	.0278	.0012	.0023	-.0014	.0005
#2	.0002	-.0004	.0360	.0010	.0012	.0007	-.0000
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	**85863.**	**17286.**	**2207.1**	**4814.0**
Stddev	241.	736.	8.7	11.3
%RSD	.28113	4.2585	.39467	.23435
#1	85692.	16766.	2213.2	4822.0
#2	86033.	17807.	2200.9	4806.0

Zoom In Zoom Out

Sample Name: icv Acquired: 6/11/2014 11:20:16 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.022**	**2.000**	**2.004**	**2.038**	**1.961**	**2.034**	**2.027**	**.2466**
Stddev	.006	.007	.002	.002	.000	.007	.003	.003	.0013
%RSD	.3073	.3288	.0749	.0757	.0061	.3450	.1224	.1524	.5319
#1	2.008	2.017	1.999	2.003	2.038	1.957	2.032	2.024	.2457
#2	2.017	2.027	2.001	2.005	2.038	1.966	2.036	2.029	.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	**1.984**	**2.038**	**1.998**	**2.069**	**2.041**	**1.998**	**2.004**	**39.55**	**40.09**
Stddev	.000	.000	.001	.004	.007	.000	.005	.16	.12
%RSD	.0120	.0028	.0312	.1931	.3556	.0069	.2528	.4154	.2959
#1	1.984	2.038	1.997	2.066	2.036	1.998	2.000	39.43	40.01
#2	1.983	2.038	1.998	2.072	2.046	1.998	2.007	39.67	40.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.92**	**39.18**	**39.76**	**39.88**	**2.029**	**2.023**	**1.997**	**4.959**	**2.048**
Stddev	.24	.17	.01	.06	.003	.000	.003	.007	.004
%RSD	.5926	.4457	.0340	.1528	.1349	.0156	.1686	.1379	.1709
#1	39.75	39.06	39.76	39.84	2.027	2.023	1.994	4.954	2.046
#2	40.09	39.30	39.75	39.92	2.031	2.023	1.999	4.963	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/11/2014 11:20:16 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**1.995**	**2.009**	**1.983**	**1.970**	**2.012**	**1.974**
Stddev	.006	.004	.010	.004	.009	.004	.003
%RSD	.3260	.1741	.5055	.2254	.4468	.1868	.1571
#1	2.002	1.993	2.016	1.980	1.964	2.009	1.972
#2	2.011	1.997	2.001	1.986	1.976	2.014	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81464.**	**17740.**	**2125.9**	**4290.6**
Stddev	451.	179.	2.3	.9
%RSD	.55364	1.0079	.10652	.02072
#1	81783.	17866.	2124.3	4291.2
#2	81145.	17613.	2127.5	4290.0

Zoom In Zoom Out

Sample Name: icb Acquired: 6/11/2014 11:23:12 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**-.0000**	**-.0001**	**-.0001**	**.0009**	**.0001**	**-.0000**	**-.0010**
Stddev	.0002	.0000	.0003	.0001	.0002	.0005	.0001	.0001	.0002
%RSD	121.9	29.59	2142.	100.8	308.9	57.22	50.01	243.3	18.10
#1	-.0004	.0001	-.0002	-.0000	.0001	.0012	.0002	.0000	-.0008
#2	-.0000	.0001	.0002	-.0002	-.0002	.0005	.0001	-.0001	-.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	**.0005**	**.0006**	**.0016**	**-.0006**	**-.0000**	**.0017**	**-.0000**	**.0094**	**.0012**
Stddev	.0001	.0001	.0001	.0015	.0002	.0000	.0012	.0106	.0050
%RSD	28.63	17.60	8.692	237.5	1031.	.4071	7809.	112.8	419.1
#1	.0006	.0006	.0015	-.0017	-.0002	.0017	-.0009	.0019	-.0023
#2	.0004	.0007	.0017	.0004	.0001	.0017	.0009	.0169	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**-.0712**	**.0452**	**.0018**	**.0008**	**.0012**	**.0006**	**-.0006**	**-.0001**
Stddev	.0023	.0311	.0178	.0055	.0002	.0000	.0007	.0004	.0000
%RSD	98.13	43.71	39.39	303.2	27.37	3.589	123.3	63.94	20.68
#1	.0007	-.0932	.0578	-.0021	.0010	.0013	.0011	-.0003	-.0001
#2	.0040	-.0492	.0326	.0057	.0007	.0012	.0001	-.0008	-.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: 6/11/2014 11:23:12 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0244**	**.0008**	**.0024**	**-.0002**	**-.0008**
Stddev	.0000	.0008	.0039	.0000	.0011	.0001	.0008
%RSD	23.97	809.6	15.76	1.137	45.65	83.26	94.13
#1	.0001	.0004	.0217	.0008	.0016	-.0002	-.0003
#2	.0002	-.0006	.0272	.0008	.0032	-.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	**84925.**	**18607.**	**2211.9**	**4820.2**
Stddev	1375.	269.	6.5	10.2
%RSD	1.6195	1.4462	.29509	.21108
#1	83953.	18797.	2207.3	4813.0
#2	85898.	18417.	2216.5	4827.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 11:26:25 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.008**	**1.994**	**1.996**	**2.022**	**1.945**	**2.017**	**2.015**	**.2447**
Stddev	.004	.003	.001	.001	.002	.001	.003	.002	.0004
%RSD	.2082	.1307	.0559	.0486	.0958	.0564	.1484	.1122	.1794
#1	2.000	2.006	1.995	1.995	2.020	1.944	2.015	2.013	.2444
#2	1.994	2.009	1.993	1.996	2.023	1.946	2.019	2.017	.2450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.965**	**2.029**	**1.986**	**2.061**	**2.031**	**1.990**	**1.996**	**39.27**	**39.84**
Stddev	.000	.002	.001	.005	.001	.004	.001	.03	.09
%RSD	.0076	.1008	.0314	.2548	.0566	.1870	.0397	.0654	.2215
#1	1.965	2.027	1.986	2.058	2.030	1.987	1.995	39.25	39.77
#2	1.965	2.030	1.987	2.065	2.032	1.992	1.996	39.29	39.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.60**	**38.49**	**39.34**	**39.57**	**2.021**	**2.014**	**1.977**	**4.945**	**2.043**
Stddev	.05	.13	.12	.08	.001	.003	.004	.004	.001
%RSD	.1351	.3357	.3065	.1921	.0513	.1594	.1762	.0734	.0529
#1	39.56	38.39	39.42	39.62	2.021	2.012	1.975	4.943	2.042
#2	39.63	38.58	39.25	39.52	2.020	2.017	1.980	4.948	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: 6/11/2014 11:26:25 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**1.979**	**1.995**	**1.968**	**1.961**	**2.008**	**1.964**
Stddev	.005	.003	.003	.001	.009	.002	.004
%RSD	.2596	.1249	.1328	.0250	.4814	.1206	.2309
#1	1.993	1.977	1.997	1.968	1.954	2.010	1.967
#2	1.985	1.981	1.993	1.968	1.968	2.007	1.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81891.**	**17753.**	**2128.2**	**4299.3**
Stddev	115.	40.	4.6	9.3
%RSD	.14102	.22294	.21510	.21607
#1	81973.	17781.	2131.5	4305.9
#2	81810.	17725.	2125.0	4292.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 11:29:21 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0004**	**.0001**	**-.0005**	**.0008**	**.0001**	**-.0001**	**-.0008**
Stddev	.0000	.0000	.0000	.0000	.0004	.0001	.0000	.0001	.0003
%RSD	4.485	21.50	6.982	26.54	97.17	7.181	6.500	103.5	33.70
#1	.0001	.0000	-.0004	.0002	-.0008	.0008	.0001	-.0000	-.0010
#2	.0001	.0000	-.0004	.0001	-.0001	.0009	.0001	-.0002	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0007**	F **.0030**	**-.0012**	**-.0000**	**-.0002**	**.0009**	F **.0207**	**.0011**
Stddev	.0002	.0001	.0007	.0022	.0004	.0005	.0003	.0004	.0029
%RSD	263.5	12.56	23.91	181.7	937.9	217.5	32.53	1.960	256.7
#1	-.0001	.0008	.0035	-.0028	-.0003	-.0005	.0011	.0204	-.0009
#2	.0002	.0007	.0025	.0004	.0002	.0001	.0007	.0210	.0032
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.0027					.0200	
Low Limit			-.0027					-.0200	

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**.0116**	**.0257**	**.0081**	**.0009**	**.0010**	**-.0005**	**-.0006**	**-.0005**
Stddev	.0005	.1627	.0055	.0066	.0011	.0001	.0000	.0005	.0005
%RSD	8.500	1407.	21.30	82.43	131.2	12.34	1.083	74.13	99.81
#1	.0062	-.1035	.0218	.0127	.0016	.0009	-.0005	-.0003	-.0002
#2	.0055	.1266	.0296	.0034	.0001	.0011	-.0005	-.0010	-.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: 6/11/2014 11:29:21 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0238**	**.0007**	**-.0003**	**.0007**	**.0003**
Stddev	.0000	.0002	.0038	.0000	.0004	.0002	.0016
%RSD	24.40	66.62	16.02	2.232	130.3	30.38	523.5
#1	.0001	-.0004	.0211	.0007	-.0006	.0009	.0014
#2	.0001	-.0001	.0265	.0007	-.0000	.0006	-.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	**86308.**	**17852.**	**2244.7**	**4889.1**
Stddev	225.	5.	40.2	84.3
%RSD	.26113	.03049	1.7887	1.7246
#1	86149.	17856.	2216.3	4829.4
#2	86468.	17848.	2273.1	4948.7

Zoom In Zoom Out

Sample Name: cri Acquired: 6/11/2014 11:32:32 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1822**	**.0019**	**.0030**	**.0504**	**.0112**	**.0109**	**.0159**	**.0103**	**.0042**
Stddev	.0374	.0004	.0002	.0003	.0003	.0001	.0001	.0002	.0007
%RSD	20.52	19.28	6.767	.6774	3.101	1.234	.5159	2.114	17.95
#1	.1558	.0016	.0029	.0507	.0110	.0110	.0159	.0105	.0047
#2	.2086	.0021	.0032	.0502	.0114	.0108	.0160	.0102	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0508**	**.0236**	**.0102**	**.0087**	**.0034**	**.0124**	**.0068**	**.1970**	**4.535**
Stddev	.0005	.0002	.0012	.0002	.0009	.0003	.0010	.0432	.913
%RSD	.9630	1.059	11.79	2.011	24.86	2.732	15.09	21.91	20.14
#1	.0504	.0237	.0111	.0086	.0040	.0126	.0060	.1665	3.889
#2	.0511	.0234	.0094	.0088	.0028	.0121	.0075	.2276	5.181

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0952**	**4.860**	**4.554**	**4.455**	**.1074**	**.0211**	**.0536**	**.2074**	**.0100**
Stddev	.0195	1.056	.848	.849	.0007	.0001	.0023	.0000	.0004
%RSD	20.46	21.73	18.62	19.06	.6256	.5162	4.278	.0102	4.102
#1	.0814	4.113	3.954	3.855	.1079	.0210	.0520	.2074	.0103
#2	.1090	5.607	5.153	5.056	.1069	.0212	.0552	.2074	.0098

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0094**	**.0105**	**.0623**	**.0105**	**.0512**	**.0228**	**.0185**
Stddev	.0017	.0000	.0034	.0003	.0008	.0003	.0035
%RSD	17.84	.3716	5.448	2.900	1.478	1.391	18.89
#1	.0083	.0105	.0599	.0107	.0507	.0231	.0160
#2	.0106	.0104	.0647	.0103	.0517	.0226	.0209

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84873.**	*****	**2184.9**	**4684.1**
Stddev	659.	-----	4.0	11.3
%RSD	.77625	-----	.18448	.24111
#1	85339.	-----	2182.0	4676.2
#2	84407.	17613.	2187.7	4692.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 11:35:43 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0010**	**.0010**	**.0033**	F **.0014**	F **.0031**	**.0033**	**.0042**
Stddev	.0001	.0000	.0001	.0001	.0004	.0002	.0000	.0002
%RSD	2.119	4.784	11.61	3.409	31.15	5.389	.2484	5.276
#1	.0040	.0009	.0010	.0033	.0011	.0030	.0033	.0040
#2	.0041	.0010	.0009	.0032	.0017	.0033	.0033	.0044
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	F **.0007**	**.0019**	**.0126**	**.0037**	**.0024**	F **.0042**	**.0056**	**.0030**
Stddev	.0003	.0002	.0000	.0004	.0003	.0009	.0015	.0000
%RSD	41.85	12.54	.0728	10.85	11.01	20.44	27.57	.7239
#1	.0005	.0020	.0127	.0040	.0022	.0049	.0045	.0030
#2	.0008	.0017	.0126	.0034	.0026	.0036	.0067	.0030
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value	.0010					.0025		
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	**.1042**	**1.063**	**.0057**	F **-.0170**	**2.100**	**1.020**	**.0109**	**-.0001**
Stddev	.0082	.006	.0008	.0959	.033	.006	.0005	.0000
%RSD	7.874	.5882	14.60	564.2	1.575	.5922	4.979	41.81
#1	.0984	1.059	.0051	.0508	2.077	1.015	.0113	-.0001
#2	.1099	1.067	.0063	-.0848	2.123	1.024	.0105	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value				.1000				
Range				-30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 11:35:43 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**-.0015**	**-.0010**	**-.0000**	**-.0000**	F **-.0023**	F **.0000**	**.0042**
Stddev	.0010	.0009	.0010	.0001	.0000	.0006	.0002	.0009
%RSD	145.7	58.81	105.7	210.4	18.27	28.77	560.7	21.43
#1	.0013	-.0021	-.0002	.0000	-.0001	-.0027	.0002	.0048
#2	-.0000	-.0008	-.0017	-.0001	-.0000	-.0018	-.0001	.0036
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						-30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0008**	F **-.0024**
Stddev	.0015	.0024
%RSD	182.7	100.5
#1	-.0002	-.0007
#2	.0019	-.0041
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	**85948.**	**17749.**	**2215.1**	**4807.9**
Stddev	193.	90.	2.9	4.6
%RSD	.22476	.50682	.13179	.09595
#1	86085.	17812.	2213.0	4804.6
#2	85811.	17685.	2217.2	4811.1

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 11:38:54 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0002**	**.0000**	**-.0003**	**.0008**	**.0001**	**.0004**	**-.0008**
Stddev	.0001	.0001	.0004	.0000	.0001	.0001	.0000	.0000	.0004
%RSD	921.4	153.2	193.6	74.98	26.45	14.04	39.88	9.278	49.14
#1	.0001	-.0001	.0001	.0000	-.0004	.0007	.0001	.0004	-.0005
#2	-.0001	.0000	-.0005	.0000	-.0003	.0009	.0001	.0004	-.0011
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0017**	**.0222**	**-.0011**	**.0222**	**.0191**	**.0218**	**.5192**	**.0048**
Stddev	.0001	.0001	.0007	.0012	.0004	.0015	.0024	.0131	.0006
%RSD	47.77	3.587	2.940	107.4	1.846	7.696	10.77	2.525	12.51
#1	.0003	.0017	.0227	-.0020	.0224	.0201	.0235	.5099	.0044
#2	.0002	.0016	.0218	-.0003	.0219	.0180	.0202	.5284	.0052
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	**.5309**	**.1187**	**-.0051**	**.0015**	**-.0004**	**-.0002**	**.0003**	**.0020**	**-.0001**
Stddev	.0044	.0743	.0034	.0049	.0007	.0001	.0004	.0002	.0003
%RSD	.8325	62.61	67.47	327.6	158.3	51.20	149.7	11.57	235.1
#1	.5277	.1713	-.0027	.0050	-.0009	-.0001	.0005	.0021	.0001
#2	.5340	.0662	-.0075	-.0020	.0001	-.0002	-.0000	.0018	-.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 11:38:54 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0027**	**-.0000**	**.0017**	**-.0008**	**-.0022**
Stddev	.0000	.0001	.0014	.0000	.0027	.0002	.0005
%RSD	.5426	21.74	53.50	232.7	152.6	23.05	21.14
#1	.0001	-.0004	-.0037	-.0001	-.0001	-.0006	-.0019
#2	.0001	-.0006	-.0017	.0000	.0036	-.0009	-.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	**84988.**	**17703.**	**2166.1**	**4716.7**
Stddev	83.	109.	5.3	10.4
%RSD	.09798	.61377	.24433	.22153
#1	85047.	17779.	2169.8	4724.1
#2	84929.	17626.	2162.4	4709.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/11/2014 11:42:06 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2134**	**.0020**	**.0034**	**.0522**	**.0109**	**.0124**	**.0163**	**.0107**	**.0046**
Stddev	.0015	.0000	.0000	.0003	.0000	.0007	.0001	.0000	.0007
%RSD	.7226	1.940	.3338	.5723	.1258	5.951	.4682	.1589	15.79
#1	.2123	.0020	.0034	.0524	.0109	.0118	.0164	.0107	.0051
#2	.2145	.0020	.0034	.0520	.0109	.0129	.0163	.0107	.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0531**	**.0243**	**.0092**	**.0098**	**.0027**	F **.0153**	**.0067**	**.2233**	**5.295**
Stddev	.0000	.0002	.0005	.0006	.0001	.0008	.0016	.0052	.045
%RSD	.0630	.8294	5.389	6.437	4.792	5.384	23.76	2.346	.8535
#1	.0532	.0242	.0096	.0103	.0028	.0159	.0056	.2196	5.263
#2	.0531	.0245	.0089	.0094	.0026	.0147	.0079	.2270	5.327
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	**.1112**	**5.680**	**5.265**	**5.204**	**.1101**	**.0213**	**.0569**	**.2162**	**.0104**
Stddev	.0017	.123	.007	.031	.0001	.0000	.0002	.0002	.0004
%RSD	1.543	2.173	.1408	.6004	.1341	.1522	.3093	.1024	3.780
#1	.1100	5.593	5.260	5.182	.1100	.0213	.0570	.2164	.0106
#2	.1124	5.768	5.270	5.226	.1102	.0214	.0568	.2161	.0101
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: 6/11/2014 11:42:06 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0110**	**.0102**	**.0546**	**.0107**	**.0546**	**.0230**	**.0216**
Stddev	.0000	.0001	.0021	.0000	.0015	.0020	.0002
%RSD	.0216	.5104	3.839	.4004	2.704	8.805	.7889
#1	.0110	.0101	.0531	.0107	.0557	.0215	.0217
#2	.0110	.0102	.0561	.0106	.0536	.0244	.0215
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	**83312.**	**17532.**	**2141.8**	**4590.7**
Stddev	115.	113.	.1	6.2
%RSD	.13840	.64536	.00307	.13404
#1	83230.	17612.	2141.8	4595.1
#2	83393.	17452.	2141.9	4586.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 11:45:16 Type: QC
Method: Accutest 2(v84) 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	**.0048**	**.0011**	**.0009**	**.0031**	**.0019**	F **.0030**	**.0033**	**.0041**
Stddev	.0002	.0002	.0001	.0003	.0001	.0003	.0000	.0002
%RSD	4.702	23.71	12.61	9.142	4.640	10.63	.3295	4.661
#1	.0050	.0012	.0010	.0034	.0018	.0032	.0033	.0039
#2	.0047	.0009	.0008	.0029	.0020	.0028	.0033	.0042
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	F **-.0002**	**.0019**	F **.0133**	**.0037**	**.0015**	F **.0033**	**.0056**	F **.0053**
Stddev	.0000	.0004	.0001	.0005	.0017	.0011	.0032	.0005
%RSD	16.50	21.11	.7292	13.49	113.8	33.60	56.32	9.734
#1	-.0001	.0022	.0134	.0033	.0003	.0040	.0034	.0049
#2	-.0002	.0016	.0132	.0040	.0027	.0025	.0079	.0056
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value	.0010		.0100			.0025		.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	**.1194**	**1.178**	**.0054**	F **-.0273**	**2.294**	**1.137**	**.0102**	**.0000**
Stddev	.0041	.099	.0029	.1611	.172	.095	.0001	.0001
%RSD	3.395	8.358	53.57	589.4	7.498	8.379	1.104	545.5
#1	.1222	1.248	.0033	.0866	2.415	1.204	.0101	.0001
#2	.1165	1.109	.0074	-.1413	2.172	1.069	.0102	-.0000
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value				.1000				
Range				-30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 11:45:16 Type: QC
Method: Accutest 2(v84) 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**	**-.0008**	**-.0005**	**-.0000**	**.0001**	F **-.0060**	F **-.0003**	F **.0024**
Stddev	.0021	.0005	.0006	.0000	.0000	.0019	.0001	.0037
%RSD	3431.	58.81	129.0	207.5	48.16	31.37	41.07	153.0
#1	.0014	-.0005	-.0000	-.0000	.0001	-.0073	-.0004	-.0002
#2	-.0016	-.0012	-.0009	.0000	.0001	-.0047	-.0002	.0050
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 **.0022**	F **-.0000**
Stddev	.0008	.0005
%RSD	37.80	34630.
#1	.0016	.0003
#2	.0028	-.0003
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**83916.**	**16569.**	**2143.3**	**4657.1**
Stddev	18.	1238.	7.3	13.8
%RSD	.02166	7.4703	.34195	.29536
#1	83929.	15693.	2148.5	4666.8
#2	83903.	17444.	2138.1	4647.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/11/2014 11:48:27 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**-.0001**	**.0015**	**-.0003**	**-.0003**	**-.0023**	**.0035**	**-.0001**	**.0079**
Stddev	.0001	.0001	.0000	.0005	.0001	.0003	.0000	.0005	.0014
%RSD	6.353	62.11	2.744	160.0	34.24	14.17	.8278	864.0	17.28
#1	-.0017	-.0001	.0014	.0000	-.0003	-.0021	.0035	.0003	.0088
#2	-.0019	-.0002	.0015	-.0006	-.0002	-.0025	.0035	-.0004	.0069
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**	**.0018**	**-.0013**	**-.0017**	**.0070**	**.0112**	**525.3**	**395.8**
Stddev	.0006	.0001	.0002	.0007	.0025	.0075	.0010	1.3	4.9
%RSD	1936.	42.80	12.83	55.88	145.8	106.7	8.906	.2447	1.231
#1	.0005	.0003	.0019	-.0008	-.0034	.0017	.0119	526.2	399.3
#2	-.0004	.0002	.0016	-.0018	.0001	.0123	.0105	524.4	392.4
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	**196.2**	**570.9**	**.1976**	**-.0159**	**-.0076**	**-.0015**	**.0203**	**-.0228**	**-.0027**
Stddev	1.0	.2	.0559	.0029	.0012	.0006	.0000	.0021	.0008
%RSD	.5187	.0275	28.28	18.06	15.90	38.83	.0444	9.043	30.05
#1	196.9	570.8	.1581	-.0180	-.0084	-.0019	.0203	-.0243	-.0033
#2	195.4	571.0	.2372	-.0139	-.0067	-.0011	.0203	-.0214	-.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/11/2014 11:48:27 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0055**	**.0013**	**-.0039**	**.0004**	**-.0152**	**.0229**	**.0110**
Stddev	.0002	.0007	.0024	.0002	.0004	.0003	.0001
%RSD	3.097	55.87	63.05	50.70	2.465	1.271	.8677
#1	-.0056	.0008	-.0056	.0003	-.0149	.0231	.0110
#2	-.0054	.0019	-.0021	.0006	-.0154	.0227	.0111
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	**71990.**	**16824.**	**1901.6**	**3698.4**
Stddev	98.	100.	2.3	9.7
%RSD	.13575	.59704	.11846	.26355
#1	71921.	16753.	1903.1	3705.2
#2	72059.	16896.	1900.0	3691.5

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/11/2014 11:51:44 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4808**	**.4748**	**1.066**	**.5047**	**.5109**	**.5250**	**.5163**	**1.020**	**1.002**
Stddev	.0654	.0656	.014	.0032	.0008	.0147	.0104	.001	.089
%RSD	13.61	13.81	1.327	.6325	.1620	2.796	2.014	.1092	8.864
#1	.4345	.4284	1.076	.5024	.5114	.5146	.5089	1.020	.9393
#2	.5270	.5211	1.056	.5069	.5103	.5353	.5236	1.021	1.065

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4910**	**.9998**	**1.132**	**.9892**	**.9890**	**1.020**	**1.097**	**494.6**	**376.6**
Stddev	.0032	.0064	.004	.0209	.0382	.073	.015	41.7	38.7
%RSD	.6451	.6438	.3267	2.116	3.857	7.137	1.339	8.428	10.27
#1	.4888	.9952	1.134	.9744	.9621	.9684	1.087	465.2	349.3
#2	.4933	1.004	1.129	1.004	1.016	1.071	1.108	524.1	404.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**184.2**	**532.5**	**.1131**	**.0205**	**.0025**	**.5150**	**.5315**	**-.0097**	**-.0010**
Stddev	25.6	73.8	.0519	.0190	.0109	.0061	.0325	.0188	.0008
%RSD	13.91	13.86	45.91	92.77	435.6	1.187	6.114	193.0	86.93
#1	166.1	480.3	.0764	.0340	.0102	.5107	.5085	.0036	-.0004
#2	202.3	584.7	.1499	.0071	-.0052	.5193	.5545	-.0230	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0020**	**.0027**	**.5726**	**-.0055**	**.5242**	**.5549**	**.5194**
Stddev	.0107	.0019	.0036	.0088	.0147	.0010	.0693
%RSD	542.4	69.63	.6237	160.6	2.813	.1773	13.34
#1	.0095	.0040	.5701	-.0117	.5346	.5542	.4704
#2	-.0056	.0014	.5752	.0007	.5138	.5556	.5684

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71715.**	*****	**1885.8**	**3678.1**
Stddev	153.	-----	17.0	25.9
%RSD	.21350	-----	.90287	.70501
#1	71607.	-----	1897.8	3696.4
#2	71824.	16616.	1873.7	3659.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 11:54:55 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.084**	**2.085**	**2.078**	**2.071**	**2.125**	**2.044**	**2.114**	**2.088**	**.2573**
Stddev	.005	.008	.014	.013	.006	.006	.004	.012	.0001
%RSD	.2244	.3684	.6671	.6035	.2647	.2914	.1924	.5630	.0287
#1	2.081	2.079	2.068	2.062	2.121	2.040	2.111	2.080	.2572
#2	2.088	2.090	2.088	2.079	2.129	2.048	2.117	2.097	.2573
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	**2.065**	**2.107**	**2.067**	**2.138**	**2.109**	**2.071**	**2.083**	**40.95**	**41.42**
Stddev	.007	.009	.016	.011	.011	.015	.014	.14	.04
%RSD	.3586	.4483	.7537	.5135	.5332	.7195	.6561	.3389	.0893
#1	2.060	2.100	2.056	2.130	2.101	2.060	2.074	40.85	41.39
#2	2.071	2.113	2.078	2.146	2.117	2.081	2.093	41.04	41.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.16**	**40.52**	**41.10**	**41.35**	**2.106**	**2.097**	**2.089**	**5.157**	**2.121**
Stddev	.17	.27	.01	.00	.014	.011	.007	.035	.014
%RSD	.4099	.6694	.0293	.0051	.6547	.5329	.3321	.6882	.6556
#1	41.04	40.33	41.11	41.35	2.096	2.089	2.084	5.132	2.112
#2	41.28	40.71	41.10	41.35	2.115	2.104	2.094	5.182	2.131
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: 6/11/2014 11:54:55 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.076**	**2.076**	**2.042**	**2.064**	**2.041**	**2.094**	**2.045**
Stddev	.009	.003	.001	.007	.008	.016	.001
%RSD	.4373	.1428	.0240	.3648	.4061	.7656	.0600
#1	2.069	2.074	2.042	2.058	2.035	2.083	2.044
#2	2.082	2.078	2.042	2.069	2.047	2.106	2.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79208.**	**17359.**	**2070.0**	**4192.1**
Stddev	365.	58.	11.9	22.9
%RSD	.46029	.33529	.57508	.54596
#1	79466.	17400.	2078.4	4208.3
#2	78950.	17318.	2061.6	4175.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 11:57:51 Type: QC
Method: Accutest 2(v84) 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**	**-.0004**	**.0001**	**-.0003**	**.0004**	**.0001**	**.0000**
Stddev	.0002	.0000	.0001	.0002	.0000	.0004	.0001	.0002
%RSD	728.1	14.06	23.79	193.1	9.985	105.3	78.28	530.8
#1	-.0001	.0001	-.0005	.0002	-.0003	.0007	.0000	-.0001
#2	.0001	.0001	-.0003	-.0000	-.0003	.0001	.0001	.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	**-.0005**	**.0000**	**.0004**	**.0012**	**.0001**	**.0002**	**-.0003**	**.0015**
Stddev	.0004	.0002	.0001	.0013	.0009	.0004	.0003	.0003
%RSD	77.16	1642.	30.28	107.8	1353.	200.4	81.57	21.71
#1	-.0002	.0002	.0003	.0003	.0007	.0005	-.0001	.0013
#2	-.0008	-.0002	.0005	.0021	-.0006	-.0001	-.0005	.0018
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	**.0129**	**.0058**	**.0058**	**.0258**	**-.0206**	**-.0038**	**.0010**	**.0010**
Stddev	.0088	.0050	.0007	.0065	.0023	.0131	.0002	.0000
%RSD	68.62	87.49	12.88	25.27	10.93	349.2	24.12	3.823
#1	.0191	.0093	.0053	.0304	-.0222	.0055	.0008	.0010
#2	.0066	.0022	.0064	.0212	-.0190	-.0131	.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: 6/11/2014 11:57:51 Type: QC
Method: Accutest 2(v84) 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**	**.0000**	F **-.0012**	**.0001**	**-.0001**	F **.0160**	**.0002**	**-.0005**
Stddev	.0002	.0009	.0006	.0002	.0008	.0042	.0002	.0019
%RSD	15.68	4333.	49.83	268.9	530.3	25.99	73.98	381.3
#1	-.0012	-.0006	-.0008	.0002	-.0007	.0131	.0001	.0009
#2	-.0014	.0007	-.0016	-.0001	.0004	.0190	.0004	-.0019
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.0012			.0050		
Low Limit			-.0012			-.0050		

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0006**	**.0016**
Stddev	.0010	.0008
%RSD	172.0	52.99
#1	-.0013	.0010
#2	.0001	.0022
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	**84122.**	**17066.**	**2153.6**	**4703.3**
Stddev	92.	460.	10.4	15.4
%RSD	.10973	2.6966	.48126	.32687
#1	84057.	16741.	2160.9	4714.1
#2	84187.	17391.	2146.3	4692.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/11/2014 12:01:03 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**-.0002**	**.0015**	**-.0007**	**.0003**	**-.0024**	**.0037**	**.0005**	**.0094**
Stddev	.0001	.0001	.0000	.0002	.0006	.0002	.0001	.0002	.0003
%RSD	4.991	36.08	.1365	35.17	218.5	8.113	1.441	34.70	2.770
#1	-.0017	-.0002	.0015	-.0009	.0007	-.0022	.0038	.0004	.0096
#2	-.0018	-.0001	.0015	-.0005	-.0001	-.0025	.0037	.0006	.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0008**	**.0059**	**-.0010**	**-.0033**	**.0082**	**.0109**	**514.3**	**394.6**
Stddev	.0006	.0000	.0027	.0008	.0016	.0054	.0032	5.7	.3
%RSD	28270.	.3733	46.30	84.36	47.59	65.88	29.24	1.103	.0795
#1	.0004	.0008	.0039	-.0015	-.0044	.0121	.0086	510.3	394.3
#2	-.0004	.0008	.0078	-.0004	-.0022	.0044	.0131	518.4	394.8
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	**196.6**	**572.3**	**.1468**	**-.0096**	**-.0061**	**-.0010**	**.0199**	**-.0195**	**-.0013**
Stddev	.7	.9	.0149	.0102	.0025	.0000	.0013	.0006	.0008
%RSD	.3372	.1599	10.12	106.5	41.58	1.913	6.308	3.095	61.98
#1	197.1	571.6	.1363	-.0024	-.0043	-.0010	.0208	-.0190	-.0008
#2	196.1	572.9	.1573	-.0169	-.0079	-.0009	.0190	-.0199	-.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: 6/11/2014 12:01:03 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0054**	**.0016**	**.0078**	**.0007**	**-.0125**	**.0247**	**.0084**
Stddev	.0000	.0004	.0000	.0001	.0039	.0009	.0010
%RSD	.7728	22.72	.0676	16.66	31.00	3.742	11.60
#1	-.0054	.0019	.0078	.0006	-.0098	.0241	.0091
#2	-.0054	.0014	.0078	.0008	-.0152	.0254	.0077
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	**72417.**	**16780.**	**1899.1**	**3698.4**
Stddev	333.	24.	3.9	5.4
%RSD	.45918	.14489	.20788	.14575
#1	72181.	16763.	1901.9	3702.2
#2	72652.	16797.	1896.3	3694.6

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/11/2014 12:04:21 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5225**	**.5138**	**1.039**	**.5001**	**.5101**	**.5313**	**.5206**	**1.006**	**1.061**
Stddev	.0034	.0049	.000	.0011	.0016	.0035	.0023	.002	.006
%RSD	.6467	.9500	.0114	.2178	.3184	.6634	.4458	.1620	.5793
#1	.5249	.5173	1.039	.5009	.5112	.5338	.5222	1.005	1.066
#2	.5202	.5104	1.039	.4994	.5089	.5288	.5190	1.007	1.057
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	**.4915**	**.9893**	**1.111**	**.9987**	**1.003**	**1.057**	**1.087**	**524.6**	**397.7**
Stddev	.0024	.0019	.004	.0010	.000	.003	.001	7.6	.4
%RSD	.4922	.1959	.3440	.0972	.0238	.2758	.0625	1.448	.1106
#1	.4932	.9879	1.108	.9994	1.003	1.055	1.088	529.9	398.0
#2	.4898	.9906	1.113	.9980	1.003	1.059	1.087	519.2	397.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**199.9**	**573.5**	**.1908**	**-.0237**	**-.0038**	**.5102**	**.5557**	**-.0188**	**-.0033**
Stddev	1.7	6.8	.0186	.0069	.0002	.0004	.0047	.0021	.0002
%RSD	.8378	1.192	9.756	29.04	5.811	.0751	.8527	10.99	5.711
#1	201.1	578.3	.2039	-.0285	-.0040	.5099	.5591	-.0202	-.0032
#2	198.7	568.6	.1776	-.0188	-.0037	.5104	.5524	-.0173	-.0035
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/11/2014 12:04:21 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0055**	**.0013**	**.5747**	F **.0009**	**.5036**	**.5446**	**.5627**
Stddev	.0002	.0007	.0004	.0001	.0048	.0003	.0042
%RSD	3.192	53.18	.0654	15.37	.9589	.0467	.7428
#1	-.0054	.0008	.5749	.0010	.5002	.5444	.5656
#2	-.0056	.0018	.5744	.0008	.5070	.5448	.5597
Check ?	None	None	Chk Pass	Chk Fail	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	**71664.**	**16743.**	**1896.8**	**3699.2**
Stddev	54.	109.	4.5	7.0
%RSD	.07572	.65299	.23661	.18853
#1	71626.	16666.	1900.0	3704.1
#2	71703.	16820.	1893.6	3694.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 12:07:31 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.101**	**2.095**	**2.075**	**2.067**	**2.136**	**2.054**	**2.120**	**2.090**	**.2583**
Stddev	.004	.001	.010	.008	.002	.003	.001	.007	.0002
%RSD	.1990	.0690	.4751	.3779	.0750	.1678	.0410	.3256	.0637
#1	2.103	2.096	2.068	2.062	2.135	2.057	2.121	2.086	.2584
#2	2.098	2.094	2.082	2.073	2.137	2.052	2.120	2.095	.2582
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	**2.076**	**2.106**	**2.069**	**2.136**	**2.109**	**2.072**	**2.084**	**41.25**	**41.59**
Stddev	.000	.009	.014	.013	.011	.021	.016	.08	.01
%RSD	.0196	.4460	.6954	.5863	.5328	1.031	.7692	.1917	.0250
#1	2.075	2.099	2.059	2.127	2.101	2.057	2.072	41.30	41.60
#2	2.076	2.112	2.080	2.145	2.117	2.088	2.095	41.19	41.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.43**	**40.81**	**41.34**	**41.50**	**2.103**	**2.098**	**2.105**	**5.157**	**2.123**
Stddev	.05	.27	.07	.06	.015	.008	.002	.031	.008
%RSD	.1253	.6541	.1627	.1555	.7243	.3900	.1091	.6007	.3745
#1	41.46	41.00	41.39	41.54	2.092	2.092	2.104	5.135	2.117
#2	41.39	40.62	41.30	41.45	2.114	2.104	2.107	5.179	2.128
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: 6/11/2014 12:07:31 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.089**	**2.081**	**2.048**	**2.070**	**2.038**	**2.092**	**2.055**
Stddev	.005	.001	.001	.000	.009	.012	.001
%RSD	.2512	.0473	.0428	.0042	.4307	.5778	.0513
#1	2.092	2.081	2.049	2.070	2.032	2.084	2.056
#2	2.085	2.082	2.048	2.070	2.045	2.101	2.054
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	**78541.**	**17254.**	**2069.9**	**4193.8**
Stddev	89.	21.	13.4	24.6
%RSD	.11290	.12357	.64973	.58627
#1	78604.	17269.	2079.4	4211.1
#2	78479.	17239.	2060.4	4176.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 12:10:27 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**-.0000**	**-.0000**	**-.0001**	F **.0016**	**.0001**	**.0000**	**-.0007**
Stddev	.0003	.0000	.0003	.0001	.0001	.0006	.0000	.0001	.0010
%RSD	234.4	36.59	678.8	425.0	102.5	34.97	54.15	133.6	139.2
#1	.0001	.0001	.0002	.0001	-.0002	.0012	.0001	.0000	-.0000
#2	-.0004	.0001	-.0002	-.0001	-.0000	.0020	.0000	.0001	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**.0002**	**.0007**	**.0021**	**-.0001**	**.0007**	**.0006**	**.0012**	**.0170**	**.0072**
Stddev	.0003	.0000	.0005	.0004	.0009	.0018	.0009	.0058	.0014
%RSD	124.8	1.781	23.36	374.5	134.8	305.5	73.87	34.07	19.36
#1	.0004	.0007	.0018	.0002	.0000	.0019	.0006	.0211	.0081
#2	.0000	.0007	.0025	-.0004	.0013	-.0007	.0018	.0129	.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	**.0065**	**-.1503**	**.0523**	**-.0055**	**.0010**	**.0011**	**-.0004**	**.0009**	**.0005**
Stddev	.0013	.1129	.0089	.0037	.0010	.0001	.0002	.0015	.0003
%RSD	19.19	75.12	16.93	66.72	104.4	11.09	47.10	163.6	56.26
#1	.0074	-.0705	.0586	-.0081	.0017	.0010	-.0005	-.0001	.0003
#2	.0057	-.2302	.0461	-.0029	.0002	.0012	-.0003	.0020	.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: 6/11/2014 12:10:27 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0187**	**.0004**	**.0018**	**.0001**	**.0004**
Stddev	.0000	.0000	.0047	.0000	.0005	.0007	.0005
%RSD	14.39	8.467	25.32	5.343	28.23	608.6	123.8
#1	.0002	-.0002	.0154	.0004	.0014	-.0004	.0000
#2	.0002	-.0002	.0221	.0004	.0021	.0006	.0007
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	**83274.**	**17371.**	**2152.5**	**4696.1**
Stddev	200.	60.	8.1	17.3
%RSD	.23982	.34604	.37711	.36742
#1	83133.	17414.	2158.2	4708.3
#2	83415.	17329.	2146.7	4683.9

Zoom In Zoom Out

Sample Name: mp79962-mb1conf Acquired: 6/11/2014 12:13:39 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0004**	**.0000**	**-.0000**	**-.0000**	**-.0001**	**.0020**	**.0002**	**.0001**	**-.0009**
Stddev	.0003	.0001	.0002	.0000	.0001	.0001	.0000	.0003	.0000
%RSD	71.26	234.3	691.2	34.25	129.9	5.623	10.84	495.4	2.985
#1	-.0002	.0001	.0001	-.0000	-.0000	.0020	.0001	.0003	-.0009
#2	-.0006	-.0000	-.0001	-.0001	-.0001	.0021	.0002	-.0001	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0035**	**.0011**	**-.0015**	**.0010**	**-.0005**	**.0002**	**.0134**	**.0260**
Stddev	.0001	.0002	.0005	.0002	.0021	.0002	.0008	.0026	.0008
%RSD	13.18	6.270	42.81	13.92	224.3	34.64	331.6	19.39	3.215
#1	.0004	.0033	.0008	-.0016	.0025	-.0004	.0008	.0152	.0266
#2	.0004	.0037	.0014	-.0013	-.0006	-.0006	-.0003	.0115	.0254

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0171**	**.1050**	**.0052**	**-.0084**	**.0004**	**.0006**	**-.0005**	**.0120**	**.0001**
Stddev	.0017	.0337	.0351	.0070	.0001	.0001	.0012	.0007	.0002
%RSD	10.09	32.07	681.7	83.22	31.22	18.17	246.1	5.879	285.6
#1	.0183	.0812	-.0197	-.0133	.0003	.0007	-.0014	.0125	.0002
#2	.0159	.1288	.0300	-.0035	.0005	.0005	.0004	.0115	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0005**	**.0096**	**.0004**	**.0081**	**-.0005**	**-.0024**
Stddev	.0000	.0001	.0018	.0003	.0045	.0006	.0006
%RSD	12.36	26.75	18.37	69.33	55.70	116.9	24.87
#1	.0003	.0005	.0084	.0005	.0049	-.0001	-.0029
#2	.0003	.0004	.0109	.0002	.0113	-.0009	-.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84127.**	**17927.**	**2147.9**	**4689.1**
Stddev	208.	312.	9.5	16.3
%RSD	.24682	1.7424	.44139	.34789
#1	83980.	18148.	2154.6	4700.6
#2	84273.	17706.	2141.2	4677.5

Zoom In Zoom Out

Sample Name: jb68355-4 2 Acquired: 6/11/2014 12:16:51 Type: Unk
Method: Accutest 2(v84) 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	**1.333**	**.0016**	**.0096**	**.1284**	**.8668**	**.2221**	**85.51**	**1.595**	**.0705**
Stddev	.013	.0002	.0002	.0005	.0030	.0014	.56	.005	.0024
%RSD	.9529	12.54	1.988	.3743	.3477	.6489	.6548	.3469	3.475
#1	1.324	.0015	.0094	.1280	.8647	.2231	85.90	1.599	.0687
#2	1.342	.0017	.0097	.1287	.8689	.2211	85.11	1.591	.0722

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1587**	**.8988**	**.1135**	**.0489**	**.2270**	**.0487**	**.0079**	**77.99**	**205.6**
Stddev	.0010	.0020	.0020	.0003	.0014	.0003	.0011	.91	2.1
%RSD	.6265	.2170	1.805	.5311	.6356	.6846	14.33	1.161	1.016
#1	.1595	.9002	.1150	.0487	.2281	.0485	.0088	77.35	204.1
#2	.1580	.8975	.1121	.0491	.2260	.0489	.0071	78.63	207.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**334.8**	**33.95**	**5.277**	**10.02**	**.1323**	**.0130**	**-.0070**	**53.89**	**-.0054**
Stddev	4.1	.83	.000	.06	.0001	.0013	.0014	.20	.0013
%RSD	1.239	2.450	.0051	.6218	.0731	9.855	19.91	.3694	24.77
#1	331.9	33.36	5.277	9.972	.1323	.0121	-.0061	54.03	-.0063
#2	337.8	34.54	5.277	10.06	.1322	.0139	-.0080	53.75	-.0045

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8050**	**1.004**	**.0560**	**-.0001**	**37.81**	**.0678**	**.1165**
Stddev	.0091	.000	.0031	.0005	.15	.0027	.0010
%RSD	1.127	.0032	5.570	365.6	.3915	4.051	.8954
#1	.7986	1.004	.0538	-.0005	37.91	.0698	.1173
#2	.8115	1.004	.0583	.0002	37.70	.0659	.1158

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83381.**	**18340.**	**2135.5**	**4354.6**
Stddev	140.	194.	2.9	3.2
%RSD	.16824	1.0574	.13802	.07239
#1	83282.	18477.	2133.4	4352.4
#2	83480.	18203.	2137.6	4356.9

Zoom In Zoom Out

Sample Name: jb68355-7 Acquired: 6/11/2014 12:19:59 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0271**	**.0000**	**.0001**	**.0004**	**.0152**	**.0012**	**.0379**	**.0140**	**-.0008**
Stddev	.0013	.0001	.0003	.0004	.0002	.0008	.0000	.0005	.0000
%RSD	4.896	310.7	589.4	100.5	1.039	70.97	.0519	3.507	4.362
#1	.0262	.0001	-.0002	.0001	.0153	.0006	.0379	.0144	-.0008
#2	.0280	-.0001	.0003	.0006	.0151	.0018	.0379	.0137	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0045**	**.0015**	**-.0012**	**.0003**	**.0008**	**.0006**	**.1574**	**29.31**
Stddev	.0003	.0001	.0010	.0005	.0002	.0011	.0015	.0039	1.19
%RSD	152.1	3.184	63.80	41.91	58.05	138.8	272.3	2.456	4.056
#1	.0004	.0046	.0022	-.0008	.0005	.0015	.0017	.1601	28.47
#2	-.0000	.0044	.0008	-.0015	.0002	.0000	-.0005	.1546	30.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1982**	**10.31**	**1.439**	**26.77**	**.0224**	**.0002**	**.0015**	**3.788**	**-.0013**
Stddev	.0086	.58	.033	1.02	.0012	.0003	.0005	.024	.0002
%RSD	4.344	5.588	2.276	3.826	5.369	127.6	34.34	.6308	12.27
#1	.1922	9.899	1.416	26.04	.0233	.0000	.0012	3.805	-.0012
#2	.2043	10.71	1.462	27.49	.0216	.0004	.0019	3.771	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0930**	**.0022**	**.0027**	**-.0005**	**5.336**	**-.0005**	**.0018**
Stddev	.0036	.0004	.0036	.0001	.023	.0016	.0010
%RSD	3.894	17.84	134.5	26.61	.4341	319.0	55.37
#1	.0904	.0019	.0001	-.0004	5.352	-.0017	.0024
#2	.0956	.0025	.0052	-.0006	5.320	.0006	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82066.**	**17915.**	**2092.5**	**4419.3**
Stddev	18.	628.	9.3	16.0
%RSD	.02216	3.5045	.44405	.36169
#1	82079.	18359.	2099.1	4430.6
#2	82053.	17471.	2085.9	4408.0

Zoom In Zoom Out

Sample Name: jb67753-19undconf Acquired: 6/11/2014 12:23:08 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1743**	**.0001**	**-.0034**	**.0006**	**.0038**	**.0140**	**.1201**	**.0065**	**-.0011**
Stddev	.0092	.0001	.0001	.0000	.0004	.0001	.0000	.0009	.0013
%RSD	5.253	67.91	2.844	6.504	10.46	.7023	.0222	13.38	110.2
#1	.1808	.0002	-.0033	.0006	.0041	.0139	.1201	.0072	-.0003
#2	.1678	.0001	-.0035	.0006	.0035	.0141	.1201	.0059	-.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.2515**	**1.991**	**-.0073**	**.0025**	**.0129**	**.0251**	**.5166**	**62.96**
Stddev	.0000	.0002	.026	.0007	.0005	.0021	.0006	.0372	3.30
%RSD	.7643	.0707	1.325	10.23	20.32	16.19	2.213	7.203	5.237
#1	.0034	.2514	1.973	-.0067	.0028	.0144	.0255	.5429	65.29
#2	.0034	.2516	2.010	-.0078	.0021	.0114	.0247	.4903	60.63

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2973**	**3.490**	**2.933**	**1109.**	**.1866**	**.0042**	**.0011**	**2.912**	**.0003**
Stddev	.0217	.258	.116	83.	.0030	.0005	.0014	.044	.0009
%RSD	7.293	7.386	3.939	7.518	1.616	12.45	127.0	1.509	263.2
#1	.3127	3.672	3.015	1168.	.1844	.0038	.0020	2.881	.0010
#2	.2820	3.308	2.852	1050.	.1887	.0045	.0001	2.943	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2654**	**.0094**	**.1718**	**.0003**	**1.168**	**.0048**	**.0012**
Stddev	.0144	.0008	.0205	.0000	.015	.0001	.0003
%RSD	5.435	8.554	11.90	3.392	1.245	1.725	25.51
#1	.2756	.0099	.1574	.0003	1.157	.0048	.0014
#2	.2552	.0088	.1863	.0004	1.178	.0049	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74858.**	**17497.**	**1979.8**	**3755.4**
Stddev	145.	642.	18.9	31.0
%RSD	.19404	3.6702	.95551	.82636
#1	74960.	17043.	1993.2	3777.3
#2	74755.	17951.	1966.5	3733.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 12:33:53 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.114**	**2.115**	**2.050**	**2.044**	**2.122**	**2.053**	**2.121**	**2.071**	**.2571**
Stddev	.029	.031	.011	.011	.014	.017	.013	.011	.0006
%RSD	1.349	1.453	.5455	.5570	.6441	.8164	.6046	.5468	.2346
#1	2.135	2.136	2.058	2.052	2.113	2.041	2.112	2.079	.2566
#2	2.094	2.093	2.042	2.036	2.132	2.065	2.130	2.063	.2575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.071**	**2.087**	**2.046**	**2.117**	**2.084**	**2.059**	**2.058**	**41.42**	**41.81**
Stddev	.013	.013	.012	.008	.011	.010	.009	.47	.51
%RSD	.6462	.5970	.5941	.3838	.5371	.5014	.4151	1.123	1.216
#1	2.062	2.096	2.055	2.123	2.091	2.066	2.064	41.75	42.17
#2	2.081	2.078	2.037	2.112	2.076	2.052	2.052	41.09	41.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.73**	**40.54**	**41.33**	**41.23**	**2.078**	**2.076**	**2.087**	**5.101**	**2.102**
Stddev	.60	.32	.41	.49	.009	.014	.020	.031	.009
%RSD	1.445	.7939	.9807	1.190	.4200	.6503	.9414	.6001	.4174
#1	42.16	40.77	41.62	41.57	2.084	2.086	2.073	5.123	2.108
#2	41.31	40.32	41.04	40.88	2.072	2.067	2.101	5.080	2.096
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: 6/11/2014 12:33:53 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.109**	**2.085**	**1.985**	**2.072**	**2.023**	**2.069**	**2.059**
Stddev	.031	.014	.026	.013	.013	.015	.027
%RSD	1.464	.6582	1.289	.6213	.6270	.7328	1.304
#1	2.131	2.075	2.003	2.063	2.032	2.080	2.078
#2	2.087	2.094	1.967	2.081	2.014	2.058	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	**78620.**	**17079.**	**2075.7**	**4208.5**
Stddev	233.	163.	1.0	2.5
%RSD	.29630	.95586	.04771	.06028
#1	78785.	16964.	2075.0	4206.7
#2	78456.	17195.	2076.4	4210.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 12:38:38 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0003**	**.0004**	**-.0004**	F **.0017**	**.0001**	**.0001**	**-.0008**
Stddev	.0000	.0001	.0000	.0000	.0005	.0002	.0000	.0000	.0005
%RSD	14.91	60.95	13.80	9.307	107.0	13.60	28.61	22.14	64.45
#1	.0001	.0002	-.0002	.0004	-.0008	.0015	.0001	.0001	-.0004
#2	.0001	.0001	-.0003	.0004	-.0001	.0018	.0001	.0001	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	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	**.0000**	**.0004**	**.0023**	**-.0004**	**-.0002**	**-.0005**	**.0006**	**.0159**	**.0037**
Stddev	.0001	.0001	.0002	.0002	.0007	.0003	.0013	.0037	.0028
%RSD	184.1	22.06	9.204	58.68	268.9	66.82	204.8	23.10	74.48
#1	-.0000	.0005	.0025	-.0002	.0002	-.0003	-.0003	.0185	.0057
#2	.0001	.0004	.0022	-.0005	-.0007	-.0007	.0015	.0133	.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	**.0040**	**-.0180**	**.0325**	**.0317**	**.0011**	**.0009**	**-.0002**	**.0009**	**-.0005**
Stddev	.0033	.0267	.0064	.0005	.0001	.0002	.0011	.0006	.0004
%RSD	83.40	147.8	19.77	1.533	5.381	23.49	613.5	64.64	81.92
#1	.0063	-.0369	.0370	.0313	.0011	.0008	-.0010	.0005	-.0009
#2	.0016	.0008	.0279	.0320	.0012	.0011	.0006	.0014	-.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: 6/11/2014 12:38:38 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	F **.0170**	**.0007**	**.0021**	**.0011**	**-.0020**
Stddev	.0001	.0000	.0017	.0002	.0001	.0001	.0008
%RSD	44.64	39.29	9.990	21.97	3.139	8.355	39.40
#1	.0001	-.0000	.0158	.0006	.0021	.0011	-.0015
#2	.0002	-.0000	.0182	.0008	.0020	.0012	-.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	**83039.**	**17306.**	**2147.1**	**4693.5**
Stddev	56.	157.	5.0	10.3
%RSD	.06795	.90662	.23367	.21899
#1	83079.	17196.	2150.7	4700.8
#2	82999.	17417.	2143.6	4686.2

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/11/2014 12:41:50 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**-.0001**	**-.0003**	**.0001**	**-.0001**	**.0024**	**.0001**	**-.0001**	**-.0009**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0001	.0003	.0002
%RSD	69.91	6.298	3.849	15.37	99.28	3.816	112.4	192.0	20.29
#1	-.0001	-.0001	-.0003	.0001	-.0002	.0024	.0002	.0001	-.0008
#2	-.0002	-.0001	-.0003	.0001	-.0000	.0025	.0000	-.0003	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0008**	**.0006**	**-.0017**	**.0011**	**.0001**	**.0013**	**.0025**	**.0046**
Stddev	.0002	.0001	.0010	.0003	.0003	.0003	.0001	.0043	.0026
%RSD	38.98	10.56	154.9	15.96	23.30	225.3	8.104	172.3	57.28
#1	.0004	.0007	-.0001	-.0015	.0013	.0004	.0012	.0055	.0027
#2	.0006	.0009	.0013	-.0018	.0009	-.0001	.0013	-.0005	.0064

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0005**	**-.0568**	**.0064**	**.0164**	**.0005**	**.0001**	**.0001**	**.0005**	**.0002**
Stddev	.0008	.0277	.0102	.0230	.0006	.0002	.0003	.0003	.0009
%RSD	150.7	48.81	159.0	140.0	121.4	284.5	358.4	61.24	589.3
#1	-.0010	-.0763	.0136	.0326	.0001	.0002	.0003	.0007	.0008
#2	.0000	-.0372	-.0008	.0002	.0009	-.0001	-.0001	.0003	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**.0028**	**-.0000**	**.0031**	**-.0007**	**-.0022**
Stddev	.0000	.0002	.0022	.0000	.0045	.0017	.0012
%RSD	26.84	92.76	78.85	240.6	147.9	231.8	55.41
#1	.0000	-.0004	.0012	.0000	-.0001	.0005	-.0014
#2	.0000	-.0001	.0043	-.0001	.0063	-.0019	-.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83183.**	**17374.**	**2151.8**	**4697.2**
Stddev	24.	191.	16.2	25.0
%RSD	.02881	1.1015	.75517	.53200
#1	83166.	17510.	2163.2	4714.9
#2	83200.	17239.	2140.3	4679.5

Zoom In Zoom Out

Sample Name: idl-1conf Acquired: 6/11/2014 12:45:01 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**.0006**	**.0001**	**.0001**	**-.0008**
Stddev	.0001	.0001	.0001	.0003	.0003	.0009	.0000	.0001	.0004
%RSD	174.8	191.7	55.95	144.0	59.09	135.3	24.36	157.1	52.08
#1	-.0001	.0000	-.0003	-.0000	-.0003	.0012	.0001	.0002	-.0012
#2	.0000	-.0001	-.0001	.0004	-.0006	.0000	.0001	-.0000	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0005**	**.0012**	**-.0004**	**.0006**	**.0002**	**.0001**	**-.0006**	**.0022**
Stddev	.0001	.0001	.0002	.0012	.0004	.0017	.0005	.0022	.0003
%RSD	346.3	30.52	15.02	300.3	67.82	955.2	369.0	379.8	15.59
#1	-.0000	.0006	.0014	-.0012	.0009	.0014	-.0002	-.0021	.0024
#2	.0001	.0004	.0011	.0004	.0003	-.0010	.0005	.0010	.0020

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0011**	**.1291**	**-.0049**	**.0044**	**.0006**	**.0001**	**.0000**	**.0023**	**-.0006**
Stddev	.0024	.0771	.0088	.0048	.0001	.0001	.0011	.0003	.0002
%RSD	222.6	59.75	177.6	108.2	20.44	54.60	2305.	14.53	34.76
#1	.0006	.1836	.0013	.0078	.0007	.0001	-.0008	.0021	-.0005
#2	-.0028	.0745	-.0111	.0010	.0005	.0001	.0009	.0026	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0000**	**-.0029**	**.0001**	**.0019**	**.0017**	**-.0006**
Stddev	.0001	.0000	.0003	.0002	.0021	.0000	.0012
%RSD	270.1	6969.	11.30	160.1	111.1	2.833	182.6
#1	-.0001	-.0000	-.0032	.0003	.0004	.0018	-.0015
#2	.0000	.0000	-.0027	-.0000	.0033	.0017	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83420.**	**17329.**	**2137.1**	**4669.4**
Stddev	18.	302.	8.0	7.6
%RSD	.02186	1.7406	.37258	.16317
#1	83433.	17543.	2142.8	4674.8
#2	83407.	17116.	2131.5	4664.0

Zoom In Zoom Out

Sample Name: idl-3conf Acquired: 6/11/2014 12:51:24 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**-.0003**	**.0001**	**-.0001**	**.0009**	**.0001**	**-.0001**	**-.0010**
Stddev	.0002	.0001	.0001	.0001	.0002	.0002	.0000	.0002	.0002
%RSD	218.2	474.8	20.87	55.84	343.5	24.25	48.00	159.0	20.25
#1	-.0002	-.0001	-.0003	.0002	-.0002	.0010	.0001	-.0002	-.0012
#2	.0001	.0000	-.0004	.0001	.0001	.0007	.0001	.0000	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0003**	**.0019**	**-.0002**	**.0008**	**-.0003**	**.0010**	**.0079**	**-.0005**
Stddev	.0002	.0001	.0007	.0003	.0006	.0015	.0014	.0016	.0032
%RSD	86.44	20.94	34.23	113.8	84.03	456.3	136.4	20.57	630.0
#1	.0001	.0002	.0024	-.0000	.0003	.0008	.0020	.0090	.0017
#2	.0004	.0003	.0014	-.0004	.0012	-.0014	.0000	.0067	-.0027

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0072**	**.0373**	**-.0088**	**-.0039**	**-.0002**	**-.0001**	**.0011**	**.0003**	**-.0002**
Stddev	.0002	.0485	.0118	.0010	.0002	.0002	.0001	.0000	.0008
%RSD	2.094	130.0	135.0	24.49	104.3	151.6	6.614	.7620	385.0
#1	.0071	.0716	-.0004	-.0032	-.0000	-.0002	.0010	.0003	-.0008
#2	.0073	.0030	-.0171	-.0046	-.0003	.0000	.0011	.0003	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**-.0069**	**-.0001**	**.0006**	**.0000**	**-.0023**
Stddev	.0000	.0002	.0013	.0001	.0009	.0000	.0013
%RSD	3241.	394.6	19.27	113.8	156.1	145.7	55.67
#1	.0000	-.0002	-.0079	-.0000	-.0001	.0000	-.0032
#2	-.0000	.0001	-.0060	-.0001	.0013	-.0000	-.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83084.**	**17255.**	**2140.3**	**4676.3**
Stddev	116.	29.	2.2	.5
%RSD	.13903	.16829	.10314	.01111
#1	83166.	17276.	2141.8	4676.6
#2	83002.	17235.	2138.7	4675.9

Zoom In Zoom Out

Sample Name: idl-4conf Acquired: 6/11/2014 12:54:36 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0003**	**-.0000**	**-.0001**	**.0002**	**-.0001**	**.0012**	**.0001**	**.0001**	**-.0008**
Stddev	.0000	.0000	.0000	.0001	.0003	.0000	.0000	.0000	.0001
%RSD	16.10	226.1	46.69	73.62	407.1	1.757	22.71	5.328	6.929
#1	-.0003	.0000	-.0001	.0003	-.0003	.0012	.0001	.0001	-.0008
#2	-.0003	-.0000	-.0000	.0001	.0001	.0012	.0001	.0001	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0003**	**.0012**	**-.0001**	**.0013**	**.0005**	**.0015**	**.0047**	**-.0031**
Stddev	.0000	.0000	.0010	.0004	.0009	.0008	.0002	.0057	.0036
%RSD	1.194	16.59	89.46	351.1	68.30	178.5	15.40	122.4	115.3
#1	-.0002	.0003	.0019	.0002	.0019	.0010	.0016	.0087	-.0006
#2	-.0002	.0002	.0004	-.0004	.0007	-.0001	.0013	.0006	-.0056

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**.0115**	**.0097**	**.0015**	**-.0007**	**-.0003**	**.0005**	**.0006**	**-.0016**
Stddev	.0040	.0277	.0098	.0011	.0002	.0001	.0005	.0000	.0001
%RSD	2760.	241.5	100.7	73.82	22.12	43.95	92.28	4.045	4.500
#1	-.0027	-.0081	.0028	.0007	-.0008	-.0004	.0009	.0007	-.0016
#2	.0030	.0311	.0166	.0023	-.0006	-.0002	.0002	.0006	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0001**	**-.0084**	**.0001**	**.0006**	**-.0015**	**-.0005**
Stddev	.0001	.0003	.0001	.0001	.0034	.0015	.0002
%RSD	144.5	201.0	1.360	190.7	567.9	98.13	39.82
#1	.0000	-.0003	-.0084	.0002	-.0018	-.0025	-.0004
#2	-.0001	.0001	-.0085	-.0000	.0030	-.0005	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83128.**	**17248.**	**2138.2**	**4667.4**
Stddev	72.	17.	4.3	9.2
%RSD	.08624	.09920	.20339	.19800
#1	83078.	17260.	2141.2	4674.0
#2	83179.	17235.	2135.1	4660.9

Zoom In Zoom Out

Sample Name: idl-5conf Acquired: 6/11/2014 12:57:48 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**.0001**	**-.0006**	**.0011**	**.0000**	**-.0000**	**-.0006**
Stddev	.0001	.0000	.0001	.0001	.0005	.0008	.0000	.0001	.0007
%RSD	167.1	118.1	53.41	70.51	75.82	74.19	188.0	485.6	112.9
#1	-.0002	.0001	-.0003	.0002	-.0009	.0016	.0001	.0001	-.0001
#2	.0000	.0000	-.0001	.0001	-.0003	.0005	-.0000	-.0001	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0009**	**-.0002**	**.0003**	**.0008**	**.0006**	**.0004**	**.0057**	**.0034**
Stddev	.0005	.0000	.0020	.0009	.0006	.0018	.0009	.0107	.0050
%RSD	253.4	.7649	1334.	254.6	72.88	315.2	212.0	186.7	146.7
#1	-.0006	.0009	-.0016	.0010	.0012	-.0007	-.0002	-.0018	.0070
#2	.0002	.0008	.0013	-.0003	.0004	.0018	.0011	.0133	-.0001

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0006**	**-.0497**	**.0110**	**-.0084**	**-.0003**	**-.0001**	**-.0001**	**.0010**	**-.0000**
Stddev	.0016	.1411	.0205	.0077	.0005	.0000	.0005	.0007	.0004
%RSD	275.2	283.8	186.5	91.52	168.6	53.41	590.0	74.94	1683.
#1	-.0006	-.1495	-.0035	-.0030	-.0007	-.0001	.0003	.0005	.0003
#2	.0017	.0501	.0255	-.0139	.0001	-.0001	-.0005	.0015	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**.0001**	**-.0091**	**-.0001**	**.0014**	**.0008**	**-.0024**
Stddev	.0000	.0000	.0003	.0002	.0009	.0011	.0007
%RSD	37.01	25.35	3.521	387.4	66.59	141.3	28.95
#1	-.0000	.0001	-.0093	.0001	.0020	.0016	-.0019
#2	-.0000	.0001	-.0089	-.0002	.0007	.0000	-.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82851.**	**17256.**	**2141.6**	**4670.7**
Stddev	170.	57.	8.2	10.8
%RSD	.20499	.32950	.38150	.23052
#1	82971.	17216.	2135.9	4663.1
#2	82731.	17297.	2147.4	4678.3

Zoom In Zoom Out

Sample Name: idl-6conf Acquired: 6/11/2014 13:00:59 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**.0010**	**.0001**	**-.0000**	**-.0006**
Stddev	.0003	.0001	.0002	.0001	.0000	.0003	.0001	.0001	.0001
%RSD	433.4	313.5	107.4	61.79	11.49	27.41	269.0	360.5	16.75
#1	-.0003	.0000	-.0001	.0001	-.0004	.0008	-.0000	-.0001	-.0007
#2	.0002	-.0001	-.0004	.0003	-.0004	.0011	.0001	.0001	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0003**	**.0006**	**-.0001**	**.0020**	**-.0001**	**.0008**	**.0108**	**.0030**
Stddev	.0004	.0001	.0009	.0021	.0010	.0013	.0003	.0014	.0037
%RSD	315.2	46.12	150.0	1416.	49.87	1230.	35.54	13.09	122.6
#1	.0004	.0004	-.0000	.0013	.0013	-.0010	.0010	.0118	.0004
#2	-.0001	.0002	.0013	-.0016	.0027	.0008	.0006	.0098	.0057

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0004**	**-.0542**	**-.0039**	**-.0062**	**-.0000**	**-.0003**	**.0008**	**.0029**	**.0001**
Stddev	.0007	.0781	.0038	.0044	.0002	.0002	.0004	.0006	.0005
%RSD	152.0	144.0	95.33	70.12	783.5	66.05	47.09	21.73	729.0
#1	-.0009	.0010	-.0013	-.0031	.0001	-.0002	.0011	.0025	.0004
#2	.0000	-.1094	-.0066	-.0093	-.0001	-.0005	.0006	.0034	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0095**	**.0000**	**.0031**	**.0008**	**-.0006**
Stddev	.0001	.0002	.0018	.0001	.0019	.0013	.0004
%RSD	222.3	99.65	18.73	889.7	60.96	175.8	64.78
#1	.0002	.0004	-.0108	-.0000	.0017	.0017	-.0008
#2	-.0000	.0001	-.0083	.0000	.0044	-.0002	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83005.**	**17484.**	**2137.2**	**4660.9**
Stddev	570.	126.	5.4	8.7
%RSD	.68638	.72102	.25288	.18653
#1	82602.	17395.	2141.0	4667.0
#2	83408.	17573.	2133.4	4654.7

Zoom In Zoom Out

Sample Name: idl-7conf Acquired: 6/11/2014 13:04:11 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0000**	**-.0001**	**.0001**	**-.0006**	**.0011**	**.0000**	**-.0002**	**-.0003**
Stddev	.0001	.0001	.0002	.0000	.0000	.0002	.0001	.0002	.0007
%RSD	517.4	174.1	158.4	34.13	4.082	21.38	119.5	91.96	229.0
#1	.0001	-.0001	.0000	.0001	-.0006	.0009	.0000	-.0001	.0002
#2	-.0000	.0000	-.0002	.0001	-.0006	.0012	.0001	-.0004	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0002**	**-.0011**	**-.0002**	**.0014**	**-.0003**	**-.0000**	**.0010**	**.0002**
Stddev	.0003	.0000	.0021	.0020	.0000	.0012	.0001	.0007	.0007
%RSD	537.1	3.139	181.1	787.5	3.536	461.0	117.4	70.14	488.5
#1	-.0003	.0002	.0003	-.0016	.0013	-.0011	-.0000	.0005	.0007
#2	.0002	.0002	-.0026	.0011	.0014	.0006	-.0001	.0015	-.0004

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0004**	**.0596**	**-.0084**	**-.0229**	**-.0003**	**-.0004**	**.0014**	**.0007**	**-.0007**
Stddev	.0018	.1700	.0026	.0053	.0010	.0000	.0007	.0005	.0000
%RSD	479.0	285.3	31.42	23.27	366.8	.7852	47.96	64.39	.4253
#1	-.0009	.1798	-.0065	-.0267	.0004	-.0004	.0019	.0011	-.0007
#2	.0016	-.0606	-.0103	-.0192	-.0010	-.0004	.0009	.0004	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0000**	**-.0003**	**-.0095**	**-.0004**	**.0020**	**-.0007**	**.0002**
Stddev	.0000	.0000	.0001	.0001	.0006	.0003	.0003
%RSD	655.8	5.363	1.310	30.09	32.67	37.90	114.8
#1	.0000	-.0003	-.0094	-.0005	.0024	-.0009	.0000
#2	-.0000	-.0003	-.0096	-.0003	.0015	-.0005	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83096.**	**17245.**	**2135.0**	**4661.6**
Stddev	190.	1.	4.0	9.8
%RSD	.22873	.00477	.18503	.20948
#1	83231.	17245.	2137.8	4668.5
#2	82962.	17244.	2132.2	4654.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/11/2014 13:07:23 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**.0003**	**-.0003**	**.0011**	**.0001**	**.0002**	**-.0007**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0002
%RSD	399.2	9.390	48.75	28.98	22.66	13.37	167.4	57.70	26.20
#1	-.0000	-.0000	-.0001	.0002	-.0004	.0010	.0001	.0001	-.0008
#2	.0000	-.0000	-.0002	.0003	-.0003	.0012	-.0000	.0002	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0004**	**.0005**	**-.0001**	**.0022**	**.0009**	**.0003**	**.0124**	**.0021**
Stddev	.0000	.0001	.0007	.0019	.0003	.0001	.0001	.0085	.0047
%RSD	13.61	20.60	134.1	2706.	11.18	14.35	20.64	68.83	218.6
#1	-.0003	.0003	.0000	.0013	.0021	.0010	.0003	.0064	-.0012
#2	-.0003	.0005	.0010	-.0014	.0024	.0008	.0004	.0185	.0055

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0050**	**.0767**	**-.0116**	**-.0085**	**-.0002**	**-.0004**	**.0011**	**.0001**	**.0000**
Stddev	.0020	.1491	.0205	.0063	.0007	.0003	.0010	.0011	.0010
%RSD	40.54	194.5	176.8	73.62	405.6	57.57	87.03	889.5	3458.
#1	.0064	-.0288	.0029	-.0129	.0003	-.0006	.0004	-.0007	.0007
#2	.0035	.1821	-.0261	-.0041	-.0006	-.0003	.0018	.0009	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.0000**	**-.0101**	**-.0005**	**.0028**	**.0007**	**.0001**
Stddev	.0001	.0004	.0004	.0000	.0003	.0008	.0000
%RSD	137.0	1257.	3.608	9.983	9.786	115.7	66.42
#1	-.0002	-.0002	-.0103	-.0005	.0026	.0001	.0001
#2	-.0000	.0003	-.0098	-.0004	.0030	.0012	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83374.**	**17265.**	**2134.9**	**4654.9**
Stddev	20.	46.	2.0	4.2
%RSD	.02456	.26771	.09444	.09048
#1	83360.	17298.	2133.5	4651.9
#2	83388.	17233.	2136.3	4657.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 13:10:34 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.099**	**2.112**	**2.090**	**2.080**	**2.104**	**2.041**	**2.108**	**2.090**	**.2554**
Stddev	.001	.008	.013	.011	.008	.002	.003	.006	.0008
%RSD	.0454	.3824	.5967	.5422	.3641	.0915	.1560	.2790	.2986
#1	2.098	2.106	2.081	2.072	2.099	2.040	2.106	2.086	.2549
#2	2.099	2.118	2.099	2.088	2.110	2.043	2.110	2.094	.2560
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	**2.051**	**2.111**	**2.071**	**2.131**	**2.112**	**2.071**	**2.089**	**41.10**	**41.72**
Stddev	.003	.011	.012	.011	.014	.015	.014	.09	.09
%RSD	.1419	.5406	.5941	.5329	.6669	.7124	.6828	.2100	.2049
#1	2.049	2.103	2.062	2.123	2.102	2.061	2.079	41.04	41.66
#2	2.053	2.119	2.079	2.140	2.122	2.081	2.100	41.16	41.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.60**	**38.82**	**40.88**	**41.28**	**2.112**	**2.095**	**2.057**	**5.162**	**2.125**
Stddev	.18	.18	.10	.12	.012	.010	.012	.032	.010
%RSD	.4428	.4726	.2336	.2802	.5641	.4751	.5982	.6150	.4822
#1	41.47	38.69	40.94	41.36	2.104	2.088	2.048	5.140	2.117
#2	41.73	38.95	40.81	41.20	2.121	2.102	2.066	5.185	2.132
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: 6/11/2014 13:10:34 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.095**	**2.071**	**2.012**	**2.062**	**2.042**	**2.100**	**2.058**
Stddev	.004	.003	.004	.004	.009	.012	.002
%RSD	.1760	.1524	.1816	.1998	.4170	.5601	.0901
#1	2.092	2.069	2.014	2.059	2.036	2.092	2.059
#2	2.097	2.073	2.009	2.064	2.048	2.108	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	**79069.**	**17050.**	**2049.0**	**4150.0**
Stddev	267.	74.	8.8	13.1
%RSD	.33745	.43584	.42886	.31468
#1	79258.	17102.	2055.2	4159.3
#2	78880.	16997.	2042.8	4140.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 13:13:30 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**-.0004**	**.0004**	**.0001**	**-.0000**	**-.0007**
Stddev	.0001	.0001	.0002	.0002	.0000	.0001	.0000	.0004	.0004
%RSD	323.4	89.99	518.8	67.75	8.934	14.23	41.91	1942.	55.31
#1	.0001	.0001	.0001	.0003	-.0004	.0005	.0001	-.0003	-.0010
#2	-.0000	.0000	-.0002	.0001	-.0004	.0004	.0001	.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	**.0003**	**.0005**	**.0019**	**-.0006**	**.0010**	**.0010**	**-.0004**	**.0110**	**.0056**
Stddev	.0002	.0001	.0004	.0009	.0003	.0013	.0014	.0084	.0014
%RSD	59.06	13.59	19.15	158.3	33.71	127.3	352.8	76.65	24.29
#1	.0004	.0005	.0016	.0001	.0013	.0001	.0006	.0169	.0066
#2	.0002	.0006	.0021	-.0012	.0008	.0019	-.0014	.0050	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**-.1223**	**.0240**	**.0054**	**.0000**	**.0007**	**-.0001**	**.0010**	**-.0010**
Stddev	.0011	.1672	.0524	.0042	.0003	.0001	.0009	.0004	.0004
%RSD	23.09	136.7	218.4	78.01	1138.	20.24	1396.	36.57	41.70
#1	.0041	-.0041	-.0131	.0083	-.0002	.0006	-.0007	.0007	-.0013
#2	.0056	-.2405	.0610	.0024	.0002	.0008	.0006	.0012	-.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: 6/11/2014 13:13:30 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	F **.0169**	**.0006**	**-.0007**	**-.0005**	**-.0002**
Stddev	.0000	.0003	.0035	.0002	.0003	.0015	.0001
%RSD	17.25	83.86	20.68	32.24	35.05	335.7	34.33
#1	.0001	.0002	.0144	.0005	-.0006	-.0015	-.0001
#2	.0001	.0006	.0194	.0007	-.0009	.0006	-.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	**83242.**	**17147.**	**2137.4**	**4665.2**
Stddev	500.	18.	2.4	6.7
%RSD	.60076	.10545	.10999	.14289
#1	83595.	17134.	2139.0	4669.9
#2	82888.	17159.	2135.7	4660.5

Zoom In Zoom Out

Sample Name: jb68355-4 Acquired: 6/11/2014 13:16:42 Type: Unk
Method: Accutest 2(v84) 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	**1.324**	**.0019**	**.0064**	**.1237**	**.8727**	**.2397**	**107.3**	**1.580**	**.0639**
Stddev	.006	.0007	.0034	.0017	.0081	.0043	.0	.003	.0074
%RSD	.4224	36.83	52.90	1.359	.9338	1.811	.0416	.2037	11.60
#1	1.320	.0024	.0040	.1249	.8669	.2366	107.3	1.578	.0691
#2	1.328	.0014	.0088	.1226	.8785	.2428	107.3	1.582	.0586

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2080**	**.9728**	**.1581**	**.0162**	**.2448**	**.0680**	**.0371**	**78.08**	**208.9**
Stddev	.0044	.0000	.0083	.0196	.0236	.0086	.0451	.50	1.3
%RSD	2.099	.0044	5.248	121.5	9.627	12.63	121.5	.6364	.6357
#1	.2049	.9728	.1522	.0301	.2615	.0620	.0052	77.73	208.0
#2	.2111	.9729	.1639	.0023	.2282	.0741	.0691	78.43	209.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**343.3**	**37.58**	**5.429**	**9.842**	**.1233**	**.0118**	**-.0071**	**52.59**	**-.0236**
Stddev	.5	2.86	.372	.112	.0293	.0029	.0252	.09	.0085
%RSD	.1509	7.602	6.846	1.140	23.80	24.36	353.5	.1705	35.99
#1	342.9	35.56	5.166	9.922	.1025	.0139	.0107	52.52	-.0296
#2	343.7	39.60	5.692	9.763	.1440	.0098	-.0250	52.65	-.0176

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7966**	**.9955**	**.0915**	**-.0000**	**37.20**	**.0622**	**.1096**
Stddev	.0041	.0019	.0287	.0005	.24	.0305	.0128
%RSD	.5204	.1894	31.33	10900.	.6356	49.06	11.72
#1	.7937	.9942	.0712	.0003	37.03	.0838	.1187
#2	.7995	.9968	.1118	-.0004	37.37	.0406	.1005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83410.**	**17442.**	**2145.6**	**4585.5**
Stddev	72.	161.	8.6	18.5
%RSD	.08640	.92183	.40142	.40369
#1	83359.	17556.	2151.7	4598.6
#2	83461.	17329.	2139.6	4572.5

Zoom In Zoom Out

Sample Name: mp79887-mb1conf Acquired: 6/11/2014 13:19:54 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0014**	**-.0001**	**-.0001**	**.0000**	**.0003**	**.0028**	**.0008**	**.0007**	**-.0004**
Stddev	.0001	.0000	.0000	.0001	.0001	.0004	.0000	.0001	.0000
%RSD	5.307	38.22	18.69	212.8	19.04	15.81	1.272	20.51	.6889
#1	.0014	-.0001	-.0001	.0001	.0003	.0031	.0008	.0006	-.0004
#2	.0015	-.0000	-.0001	-.0000	.0002	.0024	.0009	.0008	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0124**	**.0024**	**-.0004**	**.0010**	**.0018**	**.0003**	**.0161**	**.1835**
Stddev	.0002	.0002	.0001	.0000	.0005	.0000	.0001	.0108	.0020
%RSD	43.13	1.248	4.092	7.609	53.99	2.247	40.19	67.22	1.103
#1	.0003	.0125	.0023	-.0004	.0006	.0018	.0002	.0085	.1850
#2	.0006	.0122	.0025	-.0004	.0014	.0018	.0004	.0238	.1821

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0412**	**-.0149**	**.0272**	**.0401**	**.0002**	**.0001**	**.0010**	**.0302**	**.0120**
Stddev	.0001	.1841	.0155	.0051	.0008	.0000	.0010	.0001	.0002
%RSD	.3200	1235.	56.84	12.84	326.5	70.55	98.11	.3194	1.451
#1	.0411	-.1451	.0163	.0437	.0008	.0001	.0003	.0303	.0119
#2	.0413	.1153	.0381	.0365	-.0003	.0000	.0016	.0301	.0122

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0007**	**-.0024**	**-.0001**	**.0337**	**.0002**	**-.0010**
Stddev	.0001	.0001	.0013	.0000	.0002	.0001	.0004
%RSD	28.05	10.31	54.17	5.978	.6880	54.39	44.87
#1	.0003	.0008	-.0033	-.0001	.0335	.0001	-.0007
#2	.0005	.0007	-.0015	-.0001	.0338	.0003	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84425.**	**17572.**	**2157.3**	**4713.0**
Stddev	101.	38.	5.4	10.8
%RSD	.11963	.21462	.25068	.22820
#1	84496.	17599.	2161.1	4720.6
#2	84353.	17545.	2153.5	4705.4

Zoom In Zoom Out

Sample Name: jb68153-1 Acquired: 6/11/2014 13:23:05 Type: Unk
Method: Accutest 2(v84) 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	**2.287**	**.0064**	**.3442**	**.0694**	**1.108**	**1.632**	**19.59**	**.4024**	**.1219**
Stddev	.077	.0000	.0000	.0001	.010	.002	.19	.0006	.0075
%RSD	3.358	.4570	.0072	.1382	.8881	.1367	.9749	.1435	6.181
#1	2.341	.0065	.3442	.0693	1.101	1.631	19.45	.4020	.1272
#2	2.232	.0064	.3442	.0694	1.115	1.634	19.72	.4028	.1165

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3517**	**129.1**	**.1072**	**-.0078**	**12.81**	**.0592**	**.0484**	**156.9**	**586.9**
Stddev	.0010	.6	.0000	.0052	.04	.0119	.0012	5.3	18.4
%RSD	.2782	.4728	.0296	65.84	.2907	20.09	2.473	3.404	3.137
#1	.3524	128.6	.1072	-.0042	12.78	.0677	.0492	160.7	599.9
#2	.3510	129.5	.1073	-.0115	12.84	.0508	.0475	153.1	573.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**354.7**	**74.11**	**17.60**	**5.016**	**.2417**	**.0591**	**.0344**	**2.491**	**.8086**
Stddev	12.1	2.25	.45	.131	.0021	.0007	.0051	.010	.0046
%RSD	3.411	3.040	2.536	2.613	.8676	1.155	14.81	.4193	.5689
#1	363.3	75.71	17.92	5.108	.2402	.0586	.0380	2.484	.8054
#2	346.2	72.52	17.28	4.923	.2432	.0596	.0308	2.499	.8119

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.433**	**5.172**	**.2048**	**.1469**	**21.85**	**.2210**	**.1525**
Stddev	.049	.026	.0096	.0008	.14	.0007	.0029
%RSD	3.437	.4959	4.695	.5590	.6401	.3228	1.889
#1	1.468	5.154	.1980	.1475	21.75	.2205	.1546
#2	1.398	5.190	.2116	.1463	21.95	.2215	.1505

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80451.**	**17248.**	**2081.5**	**4193.6**
Stddev	337.	432.	1.5	2.0
%RSD	.41924	2.5054	.07169	.04695
#1	80690.	16942.	2082.5	4192.2
#2	80213.	17553.	2080.4	4195.0

Zoom In Zoom Out

Sample Name: mp79886-mb2conf Acquired: 6/11/2014 13:27:07 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**-.0001**	**-.0000**	**.0000**	**.0004**	**.0008**	**.0009**	**.0012**	**-.0009**
Stddev	.0004	.0000	.0001	.0002	.0001	.0001	.0000	.0001	.0002
%RSD	41.77	24.25	2234.	1823.	17.14	18.27	1.690	6.806	16.29
#1	.0007	-.0001	.0001	-.0002	.0005	.0009	.0009	.0011	-.0008
#2	.0013	-.0001	-.0001	.0002	.0004	.0007	.0009	.0013	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0061**	**-.0002**	**-.0019**	**.0014**	**-.0004**	**.0011**	**.0221**	**.1528**
Stddev	.0006	.0002	.0015	.0010	.0006	.0023	.0008	.0039	.0067
%RSD	155.8	3.884	611.9	54.20	41.80	621.8	75.37	17.63	4.361
#1	.0008	.0062	-.0013	-.0026	.0018	.0012	.0017	.0249	.1575
#2	-.0000	.0059	.0008	-.0012	.0010	-.0020	.0005	.0193	.1481

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0341**	**.0110**	**.0286**	**.0449**	**.0003**	**.0001**	**-.0008**	**.0317**	**.0164**
Stddev	.0070	.0310	.0360	.0093	.0003	.0000	.0011	.0002	.0005
%RSD	20.61	282.9	125.9	20.75	90.91	17.56	139.7	.6647	2.908
#1	.0390	-.0110	.0031	.0515	.0001	.0001	-.0016	.0319	.0161
#2	.0291	.0329	.0541	.0383	.0005	.0002	-.0000	.0316	.0168

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0005**	**-.0035**	**-.0001**	**.0085**	**-.0003**	**-.0025**
Stddev	.0000	.0008	.0020	.0002	.0011	.0012	.0012
%RSD	3.712	145.3	56.53	186.1	13.10	470.4	49.80
#1	.0005	.0011	-.0049	-.0003	.0093	-.0011	-.0016
#2	.0005	-.0000	-.0021	.0000	.0077	.0006	-.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83887.**	**17408.**	**2137.4**	**4671.6**
Stddev	456.	78.	4.8	11.1
%RSD	.54401	.45084	.22627	.23796
#1	84209.	17464.	2133.9	4663.7
#2	83564.	17353.	2140.8	4679.5

Zoom In Zoom Out

Sample Name: jb68100-12a Acquired: 6/11/2014 13:30:19 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.556**	**.0020**	**.0051**	**.0987**	**.4038**	**.7218**	**1.967**	**.2581**	**.0475**
Stddev	.009	.0001	.0003	.0006	.0297	.0480	.141	.0013	.0074
%RSD	.5771	5.044	5.458	.5813	7.360	6.644	7.187	.5034	15.69
#1	1.549	.0019	.0049	.0991	.3828	.6879	1.867	.2572	.0527
#2	1.562	.0021	.0053	.0983	.4248	.7557	2.067	.2591	.0422

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5048**	**3.621**	**.1237**	**-.0072**	**17.53**	**.0192**	**.0302**	**253.1**	**34.34**
Stddev	.0365	.027	.0015	.0019	.12	.0024	.0054	1.7	.19
%RSD	7.224	.7519	1.197	26.22	.6894	12.69	17.92	.6600	.5662
#1	.4790	3.602	.1226	-.0086	17.45	.0209	.0340	251.9	34.20
#2	.5306	3.640	.1247	-.0059	17.62	.0175	.0264	254.3	34.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**274.7**	**55.42**	**25.53**	**7.640**	**.1114**	**.0164**	**.0090**	**4.293**	**.3637**
Stddev	1.7	.47	.14	.037	.0008	.0006	.0000	.035	.0033
%RSD	.6141	.8507	.5400	.4860	.7107	3.677	.1717	.8276	.9146
#1	273.5	55.09	25.43	7.613	.1109	.0160	.0090	4.268	.3614
#2	275.9	55.76	25.62	7.666	.1120	.0169	.0089	4.318	.3661

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3222**	**8.126**	**-.0004**	**.0901**	**37.67**	**.1990**	**.6665**
Stddev	.0022	.583	.0007	.0056	.33	.0123	.0015
%RSD	.6781	7.177	163.3	6.163	.8857	6.169	.2279
#1	.3206	7.713	.0001	.0862	37.43	.1904	.6654
#2	.3237	8.538	-.0009	.0941	37.90	.2077	.6676

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93457.**	**19227.**	**2232.0**	**4121.5**
Stddev	5852.	252.	13.3	21.6
%RSD	6.2620	1.3115	.59683	.52465
#1	97596.	19405.	2241.4	4136.8
#2	89319.	19048.	2222.6	4106.2

Zoom In Zoom Out

Sample Name: mp79886-mb3 Acquired: 6/11/2014 13:33:19 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**.0000**	**-.0000**	**.0011**	**.0002**	**.0004**	**-.0005**
Stddev	.0003	.0000	.0001	.0002	.0001	.0003	.0000	.0004	.0004
%RSD	81.50	29.76	38.36	421.4	1395.	31.54	16.31	102.9	78.63
#1	.0006	-.0001	-.0002	.0002	-.0001	.0008	.0002	.0001	-.0007
#2	.0002	-.0001	-.0003	-.0001	.0001	.0013	.0002	.0007	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0016**	**.0010**	**.0012**	**.0012**	**.0007**	**.0007**	**.0274**	**.0109**
Stddev	.0003	.0000	.0007	.0002	.0007	.0011	.0006	.0227	.0035
%RSD	353.3	2.666	68.98	16.66	55.99	163.9	89.85	82.81	32.36
#1	-.0001	.0017	.0005	.0013	.0007	.0014	.0011	.0435	.0134
#2	.0003	.0016	.0016	.0010	.0017	-.0001	.0002	.0114	.0084

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0378**	**.0646**	**.0342**	**-.0181**	**.0001**	**-.0003**	**.0003**	**.0089**	**.0046**
Stddev	.0147	.2372	.0145	.0031	.0003	.0001	.0010	.0000	.0001
%RSD	38.98	367.0	42.48	17.26	466.5	18.12	302.4	.0188	2.481
#1	.0482	-.1031	.0445	-.0159	.0003	-.0002	.0010	.0089	.0047
#2	.0274	.2323	.0239	-.0203	-.0002	-.0003	-.0004	.0089	.0045

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**-.0122**	**-.0001**	**.0087**	**.0001**	**-.0026**
Stddev	.0002	.0006	.0007	.0000	.0002	.0008	.0000
%RSD	199.2	95.69	6.141	14.59	2.003	1129.	.7249
#1	.0002	.0011	-.0127	-.0001	.0088	.0007	-.0026
#2	-.0000	.0002	-.0117	-.0001	.0085	-.0005	-.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85178.**	**17433.**	**2183.4**	**4785.2**
Stddev	200.	111.	4.1	7.1
%RSD	.23534	.63501	.18826	.14763
#1	85320.	17355.	2186.3	4790.2
#2	85037.	17512.	2180.4	4780.2

Zoom In Zoom Out

Sample Name: mp79886-lc3 Acquired: 6/11/2014 13:36:31 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.394**	**.7000**	**.8270**	**.3852**	**.6704**	**.3663**	**3.153**	**1.781**	**.2319**
Stddev	.057	.0297	.0003	.0002	.0007	.0005	.006	.002	.0022
%RSD	4.061	4.242	.0310	.0470	.1009	.1431	.1832	.0907	.9696
#1	1.354	.6790	.8268	.3854	.6699	.3659	3.149	1.780	.2304
#2	1.434	.7210	.8272	.3851	.6708	.3666	3.157	1.783	.2335

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6463**	**1.724**	**.8096**	**1.510**	**1.454**	**.8547**	**.5741**	**57.54**	**34.91**
Stddev	.0011	.004	.0005	.000	.002	.0008	.0007	2.60	1.57
%RSD	.1698	.2254	.0570	.0262	.1077	.0983	.1234	4.523	4.498
#1	.6455	1.721	.8093	1.509	1.453	.8541	.5746	55.70	33.80
#2	.6471	1.727	.8099	1.510	1.455	.8553	.5736	59.38	36.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.69**	**19.55**	**17.81**	**3.907**	**.7040**	**.4494**	**.0042**	**4.579**	**.6293**
Stddev	3.29	.72	.77	.157	.0015	.0010	.0005	.005	.0011
%RSD	4.405	3.690	4.296	4.007	.2088	.2295	12.87	.1166	.1780
#1	72.37	19.04	17.27	3.796	.7030	.4486	.0045	4.583	.6285
#2	77.02	20.06	18.35	4.018	.7051	.4501	.0038	4.575	.6301

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6026**	**1.989**	**.0044**	**.0500**	**1.315**	**.0446**	**.0449**
Stddev	.0250	.004	.0004	.0001	.001	.0004	.0007
%RSD	4.141	.2061	9.640	.1895	.0957	.9304	1.644
#1	.5849	1.986	.0041	.0501	1.314	.0443	.0444
#2	.6202	1.992	.0047	.0499	1.316	.0449	.0455

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81227.**	**17999.**	**2113.1**	**4264.3**
Stddev	75.	730.	1.6	1.2
%RSD	.09177	4.0537	.07743	.02706
#1	81174.	18515.	2114.3	4265.2
#2	81280.	17483.	2112.0	4263.5

Zoom In Zoom Out

Sample Name: mp79886-b3 Acquired: 6/11/2014 13:39:27 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.195**	**.1036**	**.0945**	**1.004**	**.4250**	**.5007**	**1.050**	**1.022**	**.1044**
Stddev	.004	.0008	.0003	.000	.0011	.0025	.002	.001	.0003
%RSD	.1019	.7548	.2987	.0339	.2625	.5040	.1614	.0774	.3091
#1	4.198	.1042	.0943	1.004	.4242	.4990	1.049	1.023	.1046
#2	4.191	.1030	.0947	1.004	.4258	.5025	1.051	1.022	.1042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9773**	**1.043**	**4.081**	**4.285**	**1.055**	**3.946**	**1.021**	**55.34**	**13.27**
Stddev	.0026	.000	.002	.006	.001	.002	.003	.01	.04
%RSD	.2684	.0176	.0584	.1423	.0707	.0548	.2607	.0143	.2774
#1	.9754	1.043	4.083	4.281	1.055	3.945	1.023	55.35	13.30
#2	.9791	1.044	4.080	4.290	1.054	3.948	1.019	55.34	13.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**54.76**	**12.42**	**12.89**	**13.32**	**.9973**	**1.028**	**.8348**	**.9995**	**1.032**
Stddev	.07	.31	.09	.03	.0001	.000	.0032	.0016	.001
%RSD	.1238	2.518	.7250	.2093	.0092	.0213	.3845	.1583	.1375
#1	54.81	12.20	12.96	13.34	.9973	1.028	.8325	1.001	1.034
#2	54.71	12.64	12.83	13.30	.9974	1.028	.8370	.9984	1.031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.033**	**.9981**	**.0101**	**.0007**	**.0127**	**.0246**	**-.0007**
Stddev	.001	.0017	.0004	.0001	.0002	.0010	.0001
%RSD	.1271	.1701	4.386	10.64	1.230	4.145	17.46
#1	1.034	.9969	.0098	.0006	.0128	.0239	-.0006
#2	1.032	.9993	.0104	.0007	.0126	.0253	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81807.**	**17343.**	**2120.8**	**4392.3**
Stddev	262.	121.	1.8	12.7
%RSD	.32087	.69653	.08343	.28836
#1	81992.	17257.	2122.1	4401.3
#2	81621.	17428.	2119.6	4383.4

Zoom In Zoom Out

Sample Name: mp79886-s1 Acquired: 6/11/2014 13:42:24 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.242**	**.0952**	**.0878**	**1.012**	**.5545**	**.5599**	**3.433**	**1.085**	**.1101**
Stddev	.001	.0003	.0004	.004	.0001	.0015	.009	.002	.0017
%RSD	.0339	.3471	.4010	.4088	.0148	.2651	.2495	.1677	1.550
#1	4.243	.0949	.0875	1.009	.5546	.5588	3.427	1.084	.1113
#2	4.241	.0954	.0880	1.015	.5545	.5609	3.439	1.087	.1089

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.151**	**1.302**	**3.757**	**3.943**	**1.173**	**3.618**	**.5633**	**187.1**	**22.13**
Stddev	.002	.000	.012	.012	.004	.007	.0023	.1	.04
%RSD	.1578	.0080	.3068	.2949	.3232	.1968	.4032	.0496	.1621
#1	1.150	1.302	3.749	3.935	1.170	3.613	.5617	187.2	22.16
#2	1.152	1.302	3.765	3.951	1.175	3.623	.5649	187.0	22.11

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**203.6**	**42.73**	**25.28**	**17.34**	**.9636**	**.9166**	**.3954**	**4.316**	**.9130**
Stddev	.5	.21	.03	.02	.0033	.0028	.0025	.011	.0018
%RSD	.2442	.5021	.1003	.0925	.3466	.3094	.6299	.2506	.1956
#1	204.0	42.57	25.26	17.35	.9613	.9146	.3972	4.309	.9118
#2	203.3	42.88	25.30	17.33	.9660	.9186	.3937	4.324	.9143

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.074**	**5.971**	**.0107**	**.0489**	**50.63**	**.1422**	**.1238**
Stddev	.003	.013	.0016	.0001	.11	.0002	.0000
%RSD	.2983	.2134	14.95	.1425	.2180	.1435	.0129
#1	1.076	5.962	.0096	.0489	50.56	.1423	.1238
#2	1.072	5.980	.0118	.0490	50.71	.1420	.1238

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82503.**	**18242.**	**2157.5**	**4178.9**
Stddev	104.	9.	1.6	6.9
%RSD	.12559	.05009	.07511	.16557
#1	82430.	18236.	2158.7	4183.8
#2	82576.	18249.	2156.4	4174.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 13:45:21 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.126**	**2.135**	**2.082**	**2.078**	**2.136**	**2.050**	**2.123**	**2.088**	**.2580**
Stddev	.009	.009	.005	.009	.005	.008	.003	.008	.0006
%RSD	.4343	.4258	.2599	.4325	.2448	.3953	.1178	.3965	.2300
#1	2.133	2.142	2.086	2.085	2.132	2.044	2.122	2.094	.2576
#2	2.120	2.129	2.079	2.072	2.140	2.056	2.125	2.082	.2584
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	**2.071**	**2.110**	**2.067**	**2.132**	**2.114**	**2.066**	**2.081**	**41.77**	**42.45**
Stddev	.006	.012	.004	.004	.011	.002	.000	.10	.19
%RSD	.2834	.5610	.1856	.2079	.4969	.0776	.0153	.2275	.4559
#1	2.067	2.119	2.070	2.128	2.121	2.067	2.080	41.84	42.59
#2	2.075	2.102	2.065	2.135	2.106	2.064	2.081	41.70	42.31
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	**42.12**	**39.61**	**41.65**	**42.06**	**2.102**	**2.091**	**2.091**	**5.141**	**2.123**
Stddev	.14	.03	.25	.27	.001	.009	.008	.002	.011
%RSD	.3307	.0727	.5987	.6436	.0417	.4241	.3709	.0326	.5387
#1	42.22	39.59	41.83	42.25	2.103	2.097	2.085	5.143	2.131
#2	42.02	39.63	41.47	41.87	2.102	2.085	2.096	5.140	2.114
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: 6/11/2014 13:45:21 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.115**	**2.082**	**2.014**	**2.073**	**2.035**	**2.089**	**2.084**
Stddev	.008	.003	.024	.005	.000	.004	.014
%RSD	.3993	.1365	1.209	.2433	.0131	.1904	.6482
#1	2.121	2.080	2.032	2.069	2.035	2.092	2.093
#2	2.109	2.084	1.997	2.076	2.035	2.086	2.074
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	**78704.**	**16891.**	**2064.1**	**4172.0**
Stddev	76.	71.	.5	1.7
%RSD	.09712	.42056	.02409	.03994
#1	78650.	16841.	2063.7	4170.9
#2	78758.	16942.	2064.4	4173.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 13:48:17 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0002**	**-.0001**	**.0002**	**-.0004**	**.0009**	**.0000**	**-.0002**	**-.0012**
Stddev	.0000	.0001	.0002	.0000	.0001	.0005	.0000	.0002	.0007
%RSD	42.85	51.03	370.8	19.93	13.75	52.38	36.69	120.8	58.31
#1	.0001	.0002	.0001	.0003	-.0004	.0006	.0001	-.0000	-.0007
#2	.0001	.0001	-.0002	.0002	-.0004	.0013	.0000	-.0003	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0007**	**.0016**	**.0000**	**.0003**	**.0010**	**.0017**	**.0161**	**.0053**
Stddev	.0000	.0000	.0015	.0012	.0007	.0018	.0000	.0002	.0012
%RSD	27.08	3.131	89.71	2981.	261.6	175.8	2.878	1.389	23.64
#1	.0001	.0007	.0006	-.0008	-.0002	.0023	.0017	.0159	.0061
#2	.0001	.0007	.0027	.0009	.0008	-.0002	.0017	.0163	.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	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0152**	**.0290**	**-.0144**	**.0012**	**.0007**	**.0010**	**.0015**	**-.0004**
Stddev	.0000	.1278	.0531	.0023	.0007	.0002	.0009	.0010	.0000
%RSD	.7233	843.0	183.0	16.06	58.09	29.14	90.09	68.74	3.891
#1	.0041	-.0752	.0665	-.0128	.0007	.0009	.0003	.0022	-.0004
#2	.0040	.1055	-.0085	-.0161	.0016	.0006	.0016	.0008	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 13:48:17 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0003**	F **.0131**	**.0006**	**.0048**	**-.0002**	**-.0022**
Stddev	.0001	.0001	.0040	.0002	.0012	.0002	.0020
%RSD	290.3	39.47	30.96	33.11	25.98	90.30	88.01
#1	.0001	.0002	.0102	.0004	.0057	-.0004	-.0036
#2	-.0000	.0004	.0159	.0007	.0039	-.0001	-.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	**82649.**	**16833.**	**2110.3**	**4604.9**
Stddev	213.	127.	11.6	23.5
%RSD	.25720	.75366	.54893	.51000
#1	82800.	16743.	2118.5	4621.5
#2	82499.	16922.	2102.1	4588.3

Zoom In Zoom Out

Sample Name: mp79886-s2 Acquired: 6/11/2014 13:51:29 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.987**	**.0928**	**.0829**	**.9382**	**.4840**	**.5133**	**3.056**	**.9797**	**.1049**
Stddev	.051	.0013	.0059	.0632	.0033	.0029	.018	.0643	.0012
%RSD	1.281	1.394	7.127	6.735	.6815	.5626	.5898	6.566	1.183
#1	3.951	.0918	.0787	.8936	.4816	.5113	3.043	.9342	.1040
#2	4.023	.0937	.0871	.9829	.4863	.5153	3.068	1.025	.1057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.052**	**1.105**	**3.582**	**3.771**	**1.055**	**3.456**	**.6028**	**124.2**	**19.67**
Stddev	.007	.074	.238	.239	.070	.237	.0405	1.8	.24
%RSD	.6727	6.706	6.641	6.350	6.618	6.873	6.723	1.451	1.206
#1	1.047	1.053	3.414	3.601	1.006	3.288	.5741	122.9	19.50
#2	1.057	1.158	3.750	3.940	1.105	3.624	.6314	125.5	19.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**143.2**	**28.89**	**19.96**	**15.52**	**.9128**	**.8827**	**.3872**	**3.545**	**.8873**
Stddev	1.9	.35	.28	.16	.0641	.0586	.0025	.223	.0583
%RSD	1.361	1.203	1.415	1.049	7.022	6.643	.6559	6.281	6.573
#1	141.8	28.64	19.77	15.41	.8675	.8413	.3854	3.387	.8460
#2	144.6	29.14	20.16	15.64	.9582	.9242	.3890	3.702	.9285

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.001**	**4.154**	**.0199**	**.0445**	**18.85**	**.0982**	**.0711**
Stddev	.013	.024	.0030	.0001	1.23	.0014	.0009
%RSD	1.259	.5716	14.91	.1199	6.545	1.402	1.213
#1	.9923	4.137	.0178	.0445	17.98	.0992	.0705
#2	1.010	4.170	.0220	.0446	19.72	.0973	.0717

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82075.**	**18040.**	**2198.4**	**4353.7**
Stddev	100.	172.	119.8	232.2
%RSD	.12223	.95408	5.4497	5.3326
#1	82146.	18162.	2283.1	4517.8
#2	82004.	17918.	2113.7	4189.5

Zoom In Zoom Out

Sample Name: mp79966-mb1 2 Acquired: 6/11/2014 13:54:24 Type: Unk
Method: Accutest 2(v84) Mode: CONC 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**	**.0001**	**-.0001**	**.0005**	**.0005**	**.0001**	**-.0011**
Stddev	.0004	.0001	.0002	.0002	.0001	.0008	.0000	.0002	.0003
%RSD	68.43	65.88	757.4	422.2	82.03	165.8	.5610	345.8	31.34
#1	.0009	-.0001	.0002	.0002	-.0002	.0010	.0005	.0002	-.0014
#2	.0003	-.0001	-.0001	-.0001	-.0000	-.0001	.0005	-.0001	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0017**	**.0006**	**.0029**	**.0014**	**.0003**	**.0011**	**.0269**	**.0201**
Stddev	.0001	.0000	.0016	.0008	.0006	.0009	.0008	.0164	.0014
%RSD	39.96	.5256	252.3	25.86	45.09	264.3	69.79	60.83	7.186
#1	.0004	.0017	-.0005	.0024	.0019	.0010	.0017	.0385	.0191
#2	.0002	.0017	.0018	.0035	.0010	-.0003	.0006	.0153	.0211

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0280**	**.1327**	**.0223**	**-.0124**	**.0010**	**-.0001**	**-.0003**	**.0076**	**.0069**
Stddev	.0004	.0268	.0038	.0036	.0001	.0001	.0004	.0005	.0002
%RSD	1.574	20.18	17.26	28.65	10.44	94.69	121.2	6.709	2.330
#1	.0283	.1517	.0195	-.0150	.0011	-.0002	-.0000	.0079	.0068
#2	.0277	.1138	.0250	-.0099	.0010	-.0000	-.0006	.0072	.0070

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0006**	**-.0097**	**-.0001**	**.0087**	**.0023**	**-.0012**
Stddev	.0000	.0002	.0016	.0002	.0006	.0017	.0006
%RSD	29.77	33.97	16.27	190.3	6.681	74.09	49.77
#1	.0001	.0005	-.0086	-.0003	.0091	.0011	-.0008
#2	.0002	.0008	-.0109	.0000	.0083	.0035	-.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84981.**	**17309.**	**2157.3**	**4723.9**
Stddev	361.	88.	.3	.8
%RSD	.42513	.50574	.01413	.01629
#1	85236.	17247.	2157.5	4723.4
#2	84725.	17371.	2157.1	4724.5

Zoom In Zoom Out

Sample Name: mp79966-lc1 Acquired: 6/11/2014 13:57:35 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.400**	**.7162**	**.8232**	**.3812**	**.6498**	**.3541**	**3.132**	**1.758**	**.2368**
Stddev	.005	.0021	.0026	.0018	.0036	.0004	.008	.001	.0014
%RSD	.3513	.2983	.3133	.4795	.5494	.1198	.2659	.0415	.5861
#1	1.403	.7177	.8214	.3799	.6473	.3544	3.126	1.757	.2377
#2	1.396	.7147	.8250	.3825	.6523	.3538	3.138	1.759	.2358

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6168**	**1.708**	**.8088**	**1.519**	**1.425**	**.8477**	**.5221**	**52.13**	**35.51**
Stddev	.0010	.002	.0004	.003	.003	.0014	.0009	.05	.00
%RSD	.1689	.1010	.0517	.1955	.2255	.1685	.1808	.0893	.0103
#1	.6160	1.707	.8085	1.521	1.423	.8487	.5228	52.17	35.51
#2	.6175	1.709	.8091	1.517	1.428	.8467	.5214	52.10	35.51

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.67**	**19.37**	**17.28**	**3.974**	**.6747**	**.4386**	**.0039**	**3.311**	**.6254**
Stddev	.26	.03	.02	.009	.0019	.0011	.0010	.001	.0010
%RSD	.3529	.1771	.1130	.2278	.2777	.2442	24.09	.0176	.1657
#1	74.85	19.39	17.29	3.981	.6733	.4378	.0033	3.310	.6246
#2	74.48	19.34	17.26	3.968	.6760	.4393	.0046	3.311	.6261

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6049**	**1.734**	**.0028**	**.0458**	**1.272**	**.0390**	**.0447**
Stddev	.0037	.003	.0017	.0005	.005	.0001	.0005
%RSD	.6146	.1510	60.28	1.098	.4257	.3190	1.186
#1	.6075	1.732	.0016	.0454	1.268	.0391	.0451
#2	.6023	1.736	.0040	.0461	1.276	.0389	.0443

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81942.**	**17342.**	**2118.6**	**4285.6**
Stddev	352.	51.	3.5	5.3
%RSD	.42957	.29694	.16521	.12435
#1	82191.	17305.	2121.1	4289.4
#2	81693.	17378.	2116.1	4281.8

Zoom In Zoom Out

Sample Name: mp79966-b1 Acquired: 6/11/2014 14:00:31 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.045**	**.1002**	**.0917**	**.9861**	**.4125**	**.4862**	**1.024**	**.9997**	**.1018**
Stddev	.038	.0015	.0013	.0035	.0010	.0003	.001	.0051	.0014
%RSD	.9391	1.479	1.400	.3573	.2366	.0656	.0758	.5133	1.336
#1	4.018	.0991	.0926	.9886	.4118	.4859	1.023	1.003	.1008
#2	4.072	.1012	.0908	.9836	.4132	.4864	1.024	.9961	.1027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9556**	**1.015**	**3.985**	**4.197**	**1.034**	**3.880**	**.9944**	**53.14**	**12.73**
Stddev	.0008	.005	.013	.019	.005	.012	.0053	.56	.13
%RSD	.0873	.4720	.3207	.4622	.5193	.3028	.5349	1.063	1.053
#1	.9562	1.019	3.994	4.211	1.038	3.888	.9982	52.74	12.63
#2	.9550	1.012	3.976	4.183	1.030	3.872	.9907	53.54	12.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**52.58**	**11.85**	**12.40**	**12.82**	**.9898**	**1.012**	**.8836**	**.9810**	**1.018**
Stddev	.63	.04	.09	.10	.0028	.004	.0017	.0044	.004
%RSD	1.189	.2952	.7446	.7772	.2839	.4487	.1912	.4453	.3569
#1	52.14	11.87	12.33	12.75	.9918	1.015	.8848	.9841	1.021
#2	53.03	11.82	12.46	12.89	.9878	1.009	.8824	.9779	1.015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.002**	**.9794**	**.0135**	**.0003**	**.0123**	**.0261**	**-.0015**
Stddev	.009	.0018	.0014	.0003	.0011	.0025	.0002
%RSD	.9239	.1789	10.37	84.84	9.030	9.599	12.67
#1	.9956	.9807	.0125	.0001	.0131	.0279	-.0013
#2	1.009	.9782	.0145	.0005	.0115	.0244	-.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80665.**	**17335.**	**2094.4**	**4325.4**
Stddev	265.	193.	2.2	8.0
%RSD	.32881	1.1161	.10529	.18381
#1	80477.	17472.	2095.9	4331.0
#2	80853.	17198.	2092.8	4319.8

Zoom In Zoom Out

Sample Name: mp79966-s1 Acquired: 6/11/2014 14:03:28 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.465**	**.1043**	**.0999**	**1.131**	**.5963**	**.6149**	**3.051**	**1.199**	**.1204**
Stddev	.211	.0052	.0003	.004	.0050	.0051	.020	.003	.0078
%RSD	4.730	4.999	.3349	.3685	.8375	.8339	.6437	.2563	6.452
#1	4.316	.1006	.1001	1.133	.5928	.6113	3.037	1.201	.1149
#2	4.614	.1079	.0996	1.128	.5999	.6185	3.065	1.196	.1258

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.289**	**1.356**	**4.295**	**4.395**	**1.151**	**4.122**	**.6638**	**171.0**	**21.73**
Stddev	.007	.001	.004	.013	.001	.017	.0029	8.6	1.06
%RSD	.5638	.0962	.1043	.3055	.0641	.4067	.4414	5.023	4.888
#1	1.284	1.357	4.298	4.404	1.151	4.134	.6618	164.9	20.98
#2	1.294	1.355	4.292	4.385	1.150	4.110	.6659	177.1	22.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**224.0**	**37.56**	**19.52**	**15.30**	**1.051**	**1.061**	**.8516**	**6.698**	**1.042**
Stddev	10.9	1.85	.90	.74	.001	.000	.0067	.012	.004
%RSD	4.868	4.913	4.607	4.832	.0545	.0382	.7831	.1843	.3992
#1	216.3	36.26	18.89	14.78	1.052	1.061	.8468	6.706	1.045
#2	231.7	38.87	20.16	15.83	1.051	1.061	.8563	6.689	1.039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.117**	**5.160**	**.0208**	**.0817**	**.1502**	**.1289**	**.1037**
Stddev	.053	.030	.0013	.0014	.0057	.0007	.0051
%RSD	4.709	.5794	6.164	1.740	3.797	.5376	4.893
#1	1.079	5.139	.0199	.0807	.1542	.1294	.1001
#2	1.154	5.181	.0217	.0827	.1461	.1284	.1073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80269.**	**18219.**	**2097.3**	**4176.9**
Stddev	165.	756.	3.2	5.6
%RSD	.20560	4.1471	.15164	.13384
#1	80386.	18754.	2099.6	4180.9
#2	80153.	17685.	2095.1	4173.0

Zoom In ▶ Zoom Out

Sample Name: mp79966-s2 Acquired: 6/11/2014 14:06:25 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.363**	**.1008**	**.0947**	**1.070**	**.5858**	**.5882**	**2.911**	**1.136**	**.1169**
Stddev	.026	.0006	.0000	.000	.0003	.0043	.007	.001	.0017
%RSD	.5899	.6253	.0419	.0386	.0515	.7350	.2388	.0768	1.461
#1	4.345	.1003	.0946	1.070	.5855	.5851	2.906	1.136	.1157
#2	4.381	.1012	.0947	1.070	.5860	.5912	2.916	1.137	.1181

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.244**	**1.297**	**4.065**	**4.159**	**1.092**	**3.904**	**.5854**	**177.5**	**21.37**
Stddev	.005	.002	.007	.008	.001	.002	.0014	1.2	.10
%RSD	.4445	.1175	.1642	.1830	.1315	.0406	.2332	.6932	.4641
#1	1.240	1.296	4.060	4.164	1.093	3.903	.5844	176.6	21.30
#2	1.247	1.298	4.070	4.153	1.091	3.905	.5864	178.4	21.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**228.5**	**37.89**	**19.72**	**15.12**	**.9955**	**1.002**	**.8267**	**5.051**	**.9921**
Stddev	1.6	.94	.16	.03	.0003	.002	.0006	.012	.0016
%RSD	.6834	2.487	.7908	.2014	.0298	.2265	.0711	.2436	.1589
#1	227.4	37.23	19.61	15.09	.9957	1.000	.8263	5.042	.9910
#2	229.6	38.56	19.83	15.14	.9953	1.003	.8271	5.060	.9932

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.088**	**5.347**	**.0131**	**.0858**	**.1474**	**.1349**	**.1090**
Stddev	.007	.015	.0003	.0004	.0046	.0005	.0009
%RSD	.6287	.2785	2.077	.4414	3.091	.3614	.8071
#1	1.083	5.336	.0133	.0856	.1507	.1346	.1083
#2	1.092	5.357	.0129	.0861	.1442	.1353	.1096

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80499.**	**17728.**	**2099.4**	**4195.7**
Stddev	189.	116.	7.5	11.5
%RSD	.23520	.65492	.35889	.27379
#1	80366.	17810.	2104.7	4203.8
#2	80633.	17646.	2094.0	4187.6

Zoom In ▶ Zoom Out

Sample Name: jb68829-2 Acquired: 6/11/2014 14:09:22 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2452**	**-.0002**	**.0007**	**.0530**	**.1375**	**.0787**	**1.549**	**.0981**	**.0133**
Stddev	.0001	.0001	.0002	.0003	.0006	.0012	.006	.0005	.0001
%RSD	.0531	41.32	31.53	.4947	.4431	1.545	.3817	.5460	.5372
#1	.2453	-.0002	.0005	.0532	.1371	.0779	1.545	.0977	.0133
#2	.2451	-.0001	.0008	.0528	.1380	.0796	1.553	.0984	.0134

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2234**	**.2454**	**.0292**	**.0033**	**.0394**	**.0053**	**.0082**	**97.38**	**7.324**
Stddev	.0006	.0003	.0010	.0002	.0003	.0020	.0015	.09	.001
%RSD	.2486	.1352	3.331	6.377	.7825	38.32	17.97	.0890	.0114
#1	.2230	.2457	.0286	.0031	.0392	.0039	.0092	97.32	7.323
#2	.2238	.2452	.0299	.0034	.0396	.0067	.0071	97.44	7.324

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**151.1**	**22.33**	**5.407**	**1.830**	**.0184**	**.0021**	**.0072**	**2.284**	**.0142**
Stddev	.2	.23	.003	.007	.0004	.0001	.0001	.002	.0008
%RSD	.1227	1.030	.0587	.3624	1.953	4.467	1.100	.0926	5.792
#1	150.9	22.49	5.410	1.834	.0187	.0020	.0071	2.286	.0148
#2	151.2	22.17	5.405	1.825	.0182	.0022	.0072	2.283	.0137

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0602**	**3.551**	**-.0083**	**.0595**	**.1296**	**.0867**	**.0894**
Stddev	.0001	.014	.0010	.0002	.0021	.0015	.0009
%RSD	.1804	.3917	11.91	.4161	1.617	1.682	.9868
#1	.0602	3.542	-.0076	.0593	.1311	.0856	.0900
#2	.0601	3.561	-.0090	.0597	.1281	.0877	.0887

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82583.**	**17656.**	**2154.6**	**4357.9**
Stddev	203.	106.	2.8	4.4
%RSD	.24628	.60088	.13152	.09987
#1	82727.	17731.	2156.6	4360.9
#2	82440.	17581.	2152.6	4354.8

Zoom In ▶ Zoom Out

Sample Name: mp79966-sd1 Acquired: 6/11/2014 14:12:27 Type: Unk
Method: Accutest 2(v84) 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	**.2560**	**-.0007**	**.0006**	**.0546**	**.1440**	**.0792**	**1.605**	**.0998**	**.0117**
Stddev	.0001	.0000	.0012	.0013	.0006	.0005	.020	.0011	.0011
%RSD	.0480	1.968	194.3	2.386	.3924	.6099	1.263	1.100	9.211
#1	.2559	-.0007	.0015	.0537	.1436	.0789	1.591	.1006	.0124
#2	.2561	-.0007	-.0002	.0556	.1444	.0796	1.619	.0990	.0109

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2321**	**.2702**	**.0376**	**-.0021**	**.0445**	**.0104**	**.0133**	**100.3**	**7.805**
Stddev	.0005	.0002	.0030	.0045	.0036	.0102	.0074	.0	.008
%RSD	.2298	.0895	7.949	216.7	8.101	97.73	55.38	.0110	.1042
#1	.2325	.2701	.0397	.0011	.0419	.0032	.0081	100.3	7.799
#2	.2318	.2704	.0355	-.0052	.0470	.0176	.0185	100.3	7.810

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**158.2**	**22.43**	**5.679**	**1.845**	**.0214**	**.0009**	**.0092**	**2.388**	**.0120**
Stddev	.6	1.73	.002	.007	.0023	.0011	.0025	.006	.0023
%RSD	.3828	7.699	.0279	.3985	10.74	119.8	27.79	.2381	18.83
#1	158.6	23.66	5.680	1.851	.0231	.0001	.0074	2.384	.0136
#2	157.8	21.21	5.678	1.840	.0198	.0018	.0110	2.392	.0104

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0624**	**3.622**	**-.0552**	**.0591**	**.1469**	**.0850**	**.0945**
Stddev	.0007	.041	.0024	.0002	.0066	.0061	.0032
%RSD	1.107	1.125	4.354	.2754	4.483	7.227	3.394
#1	.0619	3.593	-.0535	.0590	.1422	.0806	.0967
#2	.0628	3.650	-.0569	.0592	.1516	.0893	.0922

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83041.**	**17163.**	**2135.9**	**4502.4**
Stddev	783.	40.	4.4	15.6
%RSD	.94291	.23196	.20598	.34594
#1	83595.	17135.	2139.0	4513.4
#2	82487.	17191.	2132.8	4491.3

Zoom In ▶ Zoom Out

Sample Name: jb68637-1 Acquired: 6/11/2014 14:15:35 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1270**	**-.0000**	**.0038**	**.0265**	**1.411**	**1.491**	**1.539**	**.1039**	**.0058**
Stddev	.0001	.0001	.0000	.0001	.003	.006	.006	.0002	.0005
%RSD	.0567	141.7	.7067	.1983	.2201	.3742	.3954	.1700	9.054
#1	.1270	.0000	.0038	.0265	1.409	1.487	1.534	.1038	.0054
#2	.1271	-.0001	.0038	.0265	1.413	1.494	1.543	.1041	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2120**	**.2728**	**.0191**	**-.0041**	**.1033**	**.0074**	**.0148**	**1.307**	**7.175**
Stddev	.0006	.0002	.0002	.0007	.0003	.0019	.0013	.001	.057
%RSD	.2954	.0689	1.210	18.00	.3287	26.13	8.954	.0692	.7931
#1	.2116	.2729	.0190	-.0046	.1031	.0060	.0157	1.306	7.134
#2	.2125	.2727	.0193	-.0035	.1036	.0087	.0138	1.307	7.215

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**55.36**	**1.509**	**2.603**	**.4548**	**.0732**	**.4702**	**.0028**	**1.065**	**.1054**
Stddev	.31	.007	.009	.0077	.0001	.0009	.0010	.001	.0004
%RSD	.5645	.4998	.3468	1.692	.1772	.1865	33.84	.0722	.3873
#1	55.14	1.515	2.597	.4603	.0731	.4708	.0035	1.066	.1051
#2	55.58	1.504	2.609	.4494	.0732	.4696	.0021	1.065	.1057

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0463**	**.0314**	**.1502**	**.0028**	**3.617**	**.0096**	**.0006**
Stddev	.0001	.0000	.0009	.0001	.009	.0011	.0005
%RSD	.2381	.0568	.6211	3.419	.2410	11.92	83.82
#1	.0463	.0314	.1508	.0029	3.623	.0088	.0003
#2	.0464	.0314	.1495	.0027	3.611	.0104	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83585.**	**17440.**	**2104.1**	**4673.0**
Stddev	81.	91.	1.6	6.8
%RSD	.09680	.52339	.07548	.14623
#1	83642.	17504.	2105.2	4677.8
#2	83527.	17375.	2103.0	4668.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 14:18:40 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.119**	**2.121**	**2.100**	**2.093**	**2.134**	**2.058**	**2.128**	**2.099**	**.2582**
Stddev	.006	.007	.003	.000	.008	.011	.008	.002	.0015
%RSD	.3013	.3091	.1476	.0017	.3610	.5382	.3935	.1130	.5867
#1	2.114	2.117	2.098	2.093	2.129	2.050	2.123	2.097	.2571
#2	2.123	2.126	2.102	2.093	2.140	2.065	2.134	2.100	.2592
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	**2.074**	**2.123**	**2.077**	**2.141**	**2.130**	**2.084**	**2.103**	**41.48**	**41.99**
Stddev	.009	.003	.001	.012	.003	.002	.001	.19	.13
%RSD	.4586	.1161	.0523	.5693	.1562	.0696	.0493	.4527	.3143
#1	2.067	2.121	2.076	2.132	2.128	2.083	2.102	41.34	41.90
#2	2.080	2.124	2.078	2.150	2.132	2.085	2.104	41.61	42.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.78**	**38.90**	**41.25**	**41.82**	**2.123**	**2.106**	**2.088**	**5.194**	**2.135**
Stddev	.12	.29	.14	.08	.003	.000	.009	.014	.000
%RSD	.2824	.7500	.3347	.1851	.1202	.0049	.4238	.2701	.0168
#1	41.70	38.69	41.16	41.77	2.121	2.106	2.081	5.184	2.135
#2	41.86	39.11	41.35	41.88	2.125	2.106	2.094	5.204	2.135
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: 6/11/2014 14:18:40 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.110**	**2.085**	**2.017**	**2.076**	**2.050**	**2.108**	**2.074**
Stddev	.005	.010	.015	.007	.004	.003	.004
%RSD	.2562	.4597	.7336	.3570	.1770	.1431	.2128
#1	2.107	2.078	2.027	2.071	2.048	2.106	2.071
#2	2.114	2.092	2.006	2.081	2.053	2.110	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	**78211.**	**16804.**	**2039.2**	**4122.7**
Stddev	184.	23.	8.5	16.0
%RSD	.23504	.13960	.41738	.38918
#1	78341.	16820.	2045.2	4134.0
#2	78081.	16787.	2033.1	4111.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 14:21:36 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0002**	**-.0000**	**-.0000**	**.0008**	**.0001**	**.0001**	**-.0011**
Stddev	.0000	.0001	.0001	.0000	.0002	.0002	.0000	.0003	.0008
%RSD	7.352	156.5	70.47	428.7	787.4	28.38	39.81	298.1	67.67
#1	.0001	.0001	-.0001	-.0000	-.0002	.0006	.0001	.0003	-.0017
#2	.0001	-.0000	-.0002	.0000	.0001	.0009	.0001	-.0001	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0018**	**-.0003**	**-.0002**	**.0008**	**.0003**	**.0037**	**.0005**
Stddev	.0002	.0002	.0010	.0002	.0007	.0000	.0002	.0052	.0020
%RSD	37.75	44.77	55.02	58.99	455.6	5.131	58.23	140.2	433.3
#1	.0003	.0003	.0011	-.0002	-.0006	.0008	.0002	.0075	.0019
#2	.0005	.0006	.0025	-.0005	.0003	.0008	.0004	.0000	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**-.0437**	**.0290**	**-.0116**	**.0012**	**.0009**	**.0009**	**.0009**	**-.0004**
Stddev	.0003	.1957	.0247	.0095	.0000	.0006	.0006	.0002	.0006
%RSD	7.311	448.1	84.96	81.95	2.715	66.73	68.43	19.49	148.4
#1	.0045	.0947	.0116	-.0183	.0013	.0005	.0013	.0008	-.0009
#2	.0050	-.1820	.0465	-.0049	.0012	.0013	.0005	.0010	.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: 6/11/2014 14:21:36 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**F .0145**	**.0006**	**.0008**	**-.0001**	**.0017**
Stddev	.0001	.0006	.0043	.0003	.0052	.0020	.0005
%RSD	81.66	712.4	29.88	59.56	653.8	3495.	27.23
#1	.0002	.0004	.0114	.0008	.0044	.0014	.0020
#2	.0001	-.0005	.0175	.0003	-.0029	-.0015	.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	**82845.**	**16960.**	**2123.7**	**4629.6**
Stddev	676.	40.	10.7	25.0
%RSD	.81644	.23411	.50583	.54028
#1	83324.	16932.	2131.3	4647.3
#2	82367.	16988.	2116.1	4611.9

Zoom In Zoom Out

Sample Name: jb68637-2 Acquired: 6/11/2014 14:24:48 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4296**	**-.0097**	**.0014**	**.1367**	**.3550**	**.4368**	**3.173**	**.2662**	**.0145**
Stddev	.0044	.0001	.0001	.0001	.0012	.0025	.017	.0008	.0005
%RSD	1.029	.8486	9.523	.0525	.3312	.5729	.5353	.2936	3.254
#1	.4328	-.0098	.0013	.1366	.3559	.4386	3.185	.2667	.0149
#2	.4265	-.0097	.0015	.1367	.3542	.4351	3.161	.2656	.0142

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5130**	**.4852**	**.0156**	**-.0232**	**.0461**	**.0013**	**.0291**	**145.4**	**814.1**
Stddev	.0026	.0012	.0011	.0008	.0003	.0048	.0020	1.3	16.6
%RSD	.5054	.2563	7.334	3.282	.5879	367.3	6.989	.8846	2.035
#1	.5149	.4861	.0148	-.0238	.0459	-.0021	.0305	146.4	825.8
#2	.5112	.4843	.0165	-.0227	.0463	.0047	.0277	144.5	802.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**167.6**	**92.72**	**11.30**	**16.46**	**.2195**	**.0085**	**.0552**	**2.109**	**.0193**
Stddev	1.5	.50	.13	.21	.0010	.0002	.0010	.004	.0003
%RSD	.9028	.5380	1.120	1.289	.4633	2.192	1.797	.1837	1.565
#1	168.7	93.07	11.39	16.61	.2188	.0087	.0559	2.112	.0195
#2	166.5	92.36	11.21	16.31	.2203	.0084	.0545	2.106	.0191

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.892**	**15.32**	**.1121**	**.2965**	**26.25**	**.3681**	**.1260**
Stddev	.040	.08	.0034	.0021	.04	.0045	.0023
%RSD	.8187	.4979	2.998	.6956	.1491	1.216	1.816
#1	4.920	15.38	.1097	.2980	26.28	.3713	.1276
#2	4.863	15.27	.1144	.2951	26.23	.3649	.1244

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74522.**	**17184.**	**1965.2**	**3707.8**
Stddev	45.	172.	6.2	11.2
%RSD	.05999	1.0018	.31790	.30086
#1	74490.	17063.	1969.6	3715.7
#2	74553.	17306.	1960.8	3699.9

Zoom In Zoom Out

Sample Name: jb68637-3 Acquired: 6/11/2014 14:28:02 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3345**	**-.0103**	**.0005**	**.1360**	**.4163**	**.3902**	**3.089**	**.3298**	**.0135**
Stddev	.0019	.0002	.0002	.0006	.0019	.0007	.006	.0003	.0006
%RSD	.5666	1.784	46.87	.4640	.4662	.1874	.1873	.0808	4.653
#1	.3358	-.0104	.0003	.1355	.4177	.3907	3.093	.3296	.0139
#2	.3331	-.0101	.0007	.1364	.4150	.3896	3.085	.3300	.0130

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3962**	**1.045**	**.0346**	**-.0230**	**.0210**	**.0002**	**.0317**	**116.8**	**752.1**
Stddev	.0023	.002	.0012	.0032	.0001	.0023	.0025	.6	3.6
%RSD	.5744	.1701	3.424	14.10	.3942	967.2	7.789	.5525	.4793
#1	.3978	1.046	.0354	-.0252	.0210	-.0014	.0300	117.2	754.6
#2	.3946	1.044	.0337	-.0207	.0209	.0019	.0334	116.3	749.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**180.0**	**101.6**	**6.941**	**21.41**	**.4955**	**.0096**	**.0498**	**1.835**	**.0218**
Stddev	1.0	.6	.048	.10	.0004	.0000	.0012	.001	.0002
%RSD	.5744	.6342	.6858	.4497	.0804	.4789	2.316	.0776	.9051
#1	180.8	102.0	6.974	21.48	.4958	.0096	.0507	1.836	.0219
#2	179.3	101.1	6.907	21.35	.4952	.0096	.0490	1.834	.0216

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.307**	**14.65**	**.0675**	**.2678**	**19.23**	**.3473**	**.1465**
Stddev	.007	.04	.0012	.0002	.00	.0040	.0004
%RSD	.5235	.2559	1.807	.0781	.0217	1.138	.3013
#1	1.311	14.68	.0666	.2680	19.23	.3501	.1468
#2	1.302	14.62	.0683	.2677	19.23	.3445	.1462

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74428.**	**17158.**	**1949.8**	**3719.8**
Stddev	.	44.	4.0	10.3
%RSD	.00062	.25386	.20352	.27773
#1	74428.	17128.	1952.6	3727.1
#2	74429.	17189.	1947.0	3712.5

Zoom In Zoom Out

Sample Name: jb68637-4 Acquired: 6/11/2014 14:31:09 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5631**	**-.0052**	**.0014**	**.1444**	**.3509**	**.4202**	**3.265**	**.2769**	**.0148**
Stddev	.0034	.0001	.0003	.0003	.0009	.0032	.010	.0007	.0009
%RSD	.6104	2.149	23.74	.2363	.2531	.7591	.2966	.2377	5.867
#1	.5655	-.0052	.0012	.1442	.3515	.4225	3.272	.2764	.0142
#2	.5606	-.0053	.0017	.1447	.3502	.4179	3.258	.2773	.0154

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4998**	**.5051**	**.0230**	**-.0232**	**.0628**	**.0013**	**.0279**	**144.2**	**754.5**
Stddev	.0014	.0021	.0018	.0007	.0016	.0001	.0027	.7	5.9
%RSD	.2712	.4152	7.954	2.841	2.578	9.096	9.740	.5016	.7800
#1	.5007	.5036	.0243	-.0228	.0616	.0012	.0260	144.7	750.4
#2	.4988	.5065	.0217	-.0237	.0639	.0014	.0298	143.7	758.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**162.1**	**96.52**	**9.696**	**21.40**	**.2179**	**.0109**	**.0514**	**2.122**	**.0261**
Stddev	1.3	.65	.073	.09	.0006	.0001	.0006	.015	.0014
%RSD	.8037	.6744	.7530	.4354	.2839	.5478	1.160	.6948	5.229
#1	163.0	96.98	9.747	21.47	.2183	.0109	.0510	2.112	.0271
#2	161.2	96.06	9.644	21.33	.2175	.0108	.0518	2.132	.0252

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.194**	**14.90**	**.0901**	**.2867**	**24.97**	**.3533**	**.1826**
Stddev	.026	.07	.0016	.0006	.13	.0014	.0014
%RSD	.6213	.4846	1.822	.2029	.5138	.3926	.7575
#1	4.213	14.96	.0890	.2871	24.88	.3543	.1836
#2	4.176	14.85	.0913	.2863	25.06	.3523	.1817

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75013.**	**17228.**	**1970.0**	**3705.8**
Stddev	318.	3.	8.9	15.7
%RSD	.42459	.01834	.45015	.42236
#1	74788.	17230.	1976.2	3716.8
#2	75238.	17226.	1963.7	3694.7

Zoom In Zoom Out

Sample Name: jb68637-5 Acquired: 6/11/2014 14:34:23 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6256**	**-.0042**	**.0013**	**.1412**	**.2725**	**.3892**	**2.340**	**.2356**	**.0120**
Stddev	.0028	.0000	.0008	.0006	.0002	.0013	.006	.0011	.0000
%RSD	.4469	.4636	64.78	.4122	.0716	.3421	.2642	.4508	.1824
#1	.6275	-.0042	.0007	.1408	.2723	.3901	2.344	.2349	.0120
#2	.6236	-.0043	.0019	.1416	.2726	.3882	2.335	.2364	.0120

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4325**	**.3750**	**.0304**	**-.0254**	**.0486**	**-.0008**	**.0241**	**133.4**	**741.1**
Stddev	.0016	.0013	.0002	.0005	.0021	.0003	.0004	.4	11.9
%RSD	.3733	.3532	.6968	2.007	4.361	38.22	1.469	.3173	1.605
#1	.4336	.3741	.0305	-.0251	.0471	-.0006	.0244	133.7	749.6
#2	.4313	.3760	.0302	-.0258	.0501	-.0010	.0239	133.1	732.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**141.1**	**75.97**	**8.264**	**18.61**	**.2412**	**.0086**	**.0497**	**2.109**	**.0223**
Stddev	.3	.25	.033	.06	.0010	.0001	.0002	.002	.0001
%RSD	.2261	.3340	.4046	.3112	.4134	1.293	.3422	.1019	.2765
#1	141.3	76.15	8.288	18.65	.2405	.0087	.0496	2.108	.0222
#2	140.8	75.79	8.240	18.57	.2419	.0085	.0498	2.111	.0223

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.918**	**14.12**	**.1316**	**.2856**	**22.34**	**.3360**	**.1352**
Stddev	.013	.03	.0013	.0006	.09	.0001	.0002
%RSD	.4447	.2350	.9775	.2235	.3924	.0163	.1646
#1	2.927	14.14	.1325	.2851	22.28	.3361	.1350
#2	2.908	14.10	.1307	.2860	22.41	.3360	.1354

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75393.**	**17240.**	**1972.3**	**3704.6**
Stddev	198.	4.	.8	1.3
%RSD	.26203	.02558	.03845	.03460
#1	75254.	17237.	1972.8	3705.5
#2	75533.	17243.	1971.7	3703.7

Zoom In Zoom Out

Sample Name: jb68637-6 Acquired: 6/11/2014 14:37:32 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5600**	**-.0063**	**.0020**	**.1363**	**.2579**	**.4400**	**2.493**	**.2551**	**.0130**
Stddev	.0016	.0002	.0000	.0012	.0011	.0008	.007	.0008	.0004
%RSD	.2806	2.441	.2629	.8680	.4199	.1868	.2737	.3069	3.234
#1	.5611	-.0064	.0020	.1354	.2571	.4394	2.488	.2546	.0133
#2	.5589	-.0062	.0020	.1371	.2586	.4406	2.498	.2557	.0127

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4293**	**.3789**	**.0324**	**-.0260**	**.0473**	**.0031**	**.0251**	**133.0**	**691.3**
Stddev	.0031	.0007	.0033	.0014	.0026	.0013	.0024	.6	12.6
%RSD	.7314	.1837	10.11	5.352	5.399	41.55	9.720	.4382	1.817
#1	.4271	.3784	.0301	-.0250	.0455	.0022	.0234	133.5	700.1
#2	.4315	.3794	.0347	-.0270	.0491	.0040	.0268	132.6	682.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**157.6**	**80.79**	**10.09**	**22.50**	**.7662**	**.0084**	**.0484**	**2.477**	**.0213**
Stddev	.6	.47	.08	.12	.0009	.0000	.0012	.009	.0004
%RSD	.3720	.5874	.7531	.5132	.1198	.1857	2.582	.3840	1.904
#1	158.0	81.12	10.14	22.59	.7655	.0085	.0493	2.470	.0216
#2	157.2	80.45	10.03	22.42	.7668	.0084	.0475	2.483	.0211

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.782**	**15.13**	**.1039**	**.2760**	**20.72**	**.3541**	**.1400**
Stddev	.009	.03	.0021	.0000	.08	.0017	.0006
%RSD	.3386	.2180	2.037	.0154	.3677	.4827	.4212
#1	2.789	15.11	.1024	.2760	20.66	.3529	.1405
#2	2.776	15.15	.1054	.2761	20.77	.3553	.1396

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75384.**	**17103.**	**1976.4**	**3723.7**
Stddev	457.	125.	8.2	14.0
%RSD	.60633	.72848	.41253	.37697
#1	75707.	17015.	1982.2	3733.7
#2	75061.	17191.	1970.7	3713.8

Zoom In Zoom Out

Sample Name: jb68829-1 Acquired: 6/11/2014 14:40:39 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4630**	**-.0010**	**.0014**	**.0714**	**.3196**	**.1885**	**1.812**	**.1290**	**.0145**
Stddev	.0024	.0001	.0000	.0000	.0030	.0003	.012	.0001	.0000
%RSD	.5193	6.713	.9525	.0192	.9322	.1698	.6339	.0580	.2036
#1	.4613	-.0009	.0014	.0714	.3175	.1883	1.804	.1290	.0145
#2	.4647	-.0010	.0014	.0714	.3217	.1887	1.820	.1291	.0145

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3362**	**.3201**	**.0339**	**-.0034**	**.0615**	**-.0001**	**.0097**	**87.07**	**21.31**
Stddev	.0025	.0003	.0010	.0000	.0025	.0013	.0007	.60	.05
%RSD	.7368	.0936	2.929	1.106	4.128	2432.	7.611	.6938	.2464
#1	.3344	.3199	.0346	-.0034	.0597	-.0009	.0092	86.65	21.27
#2	.3379	.3203	.0332	-.0034	.0633	.0008	.0102	87.50	21.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**176.7**	**27.57**	**10.45**	**3.279**	**.0709**	**.0026**	**.0124**	**2.266**	**.0141**
Stddev	.9	.21	.04	.014	.0015	.0002	.0008	.006	.0007
%RSD	.4868	.7636	.3403	.4276	2.093	5.979	6.488	.2482	4.674
#1	176.1	27.42	10.42	3.269	.0699	.0025	.0119	2.262	.0136
#2	177.3	27.72	10.47	3.289	.0720	.0027	.0130	2.270	.0146

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0636**	**5.356**	**-.0069**	**.0896**	**.1245**	**.1283**	**.0667**
Stddev	.0003	.035	.0013	.0006	.0005	.0006	.0005
%RSD	.4785	.6458	19.35	.6287	.3713	.4653	.7786
#1	.0634	5.332	-.0078	.0892	.1241	.1279	.0664
#2	.0638	5.381	-.0059	.0900	.1248	.1287	.0671

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82623.**	**17608.**	**2142.7**	**4290.4**
Stddev	411.	87.	6.2	12.4
%RSD	.49728	.49465	.29024	.28896
#1	82913.	17669.	2147.1	4299.2
#2	82332.	17546.	2138.3	4281.6

Zoom In Zoom Out

Sample Name: jb68829-3 Acquired: 6/11/2014 14:43:43 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2998**	**.0005**	**.0007**	**.0310**	**.0856**	**.0645**	**1.159**	**.0636**	**.0092**
Stddev	.0005	.0000	.0000	.0002	.0004	.0004	.010	.0002	.0009
%RSD	.1621	2.999	4.024	.6220	.4500	.5541	.8722	.2400	9.518
#1	.3001	.0005	.0007	.0309	.0853	.0642	1.152	.0635	.0098
#2	.2994	.0005	.0007	.0311	.0858	.0648	1.166	.0637	.0085

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1408**	**.3035**	**.0259**	**.0010**	**.3680**	**.0070**	**.0055**	**70.39**	**8.166**
Stddev	.0008	.0002	.0004	.0003	.0009	.0025	.0007	.07	.010
%RSD	.6016	.0517	1.456	35.23	.2413	36.02	12.15	.0954	.1275
#1	.1402	.3036	.0262	.0012	.3686	.0088	.0050	70.34	8.159
#2	.1414	.3034	.0256	.0007	.3674	.0052	.0059	70.44	8.173

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**98.44**	**9.590**	**3.628**	**1.692**	**.0145**	**.0031**	**.0027**	**3.063**	**.0230**
Stddev	.04	.012	.008	.001	.0002	.0001	.0001	.004	.0004
%RSD	.0427	.1285	.2247	.0838	1.418	2.345	4.529	.1324	1.592
#1	98.41	9.581	3.634	1.691	.0144	.0032	.0026	3.066	.0233
#2	98.47	9.598	3.622	1.693	.0147	.0031	.0028	3.060	.0228

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0659**	**1.897**	**-.0074**	**.0270**	**.1903**	**.0491**	**.0556**
Stddev	.0001	.013	.0009	.0003	.0039	.0018	.0011
%RSD	.1706	.6961	12.78	1.091	2.059	3.740	1.971
#1	.0660	1.888	-.0081	.0268	.1930	.0478	.0564
#2	.0658	1.907	-.0067	.0272	.1875	.0503	.0548

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82054.**	**17386.**	**2136.2**	**4371.2**
Stddev	453.	7.	1.9	6.4
%RSD	.55227	.04029	.08916	.14615
#1	82375.	17391.	2137.5	4375.7
#2	81734.	17381.	2134.8	4366.6

Zoom In Zoom Out

Sample Name: jb68829-4 Acquired: 6/11/2014 14:46:48 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2223**	**-.0005**	**.0016**	**.0555**	**.1368**	**.1015**	**1.970**	**.1037**	**.0154**
Stddev	.0001	.0001	.0003	.0002	.0001	.0008	.010	.0006	.0004
%RSD	.0615	21.55	19.17	.3227	.0554	.7709	.5204	.6063	2.460
#1	.2224	-.0005	.0014	.0556	.1367	.1009	1.963	.1042	.0151
#2	.2222	-.0006	.0018	.0553	.1368	.1020	1.977	.1033	.0157

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2324**	**.2668**	**.0288**	**-.0026**	**.0898**	**.0010**	**.0056**	**83.40**	**6.948**
Stddev	.0003	.0011	.0023	.0004	.0001	.0015	.0014	.13	.014
%RSD	.1349	.4063	7.941	13.66	.1576	139.9	24.99	.1499	.2041
#1	.2322	.2661	.0272	-.0023	.0897	.0021	.0046	83.32	6.958
#2	.2326	.2676	.0304	-.0028	.0899	.0000	.0066	83.49	6.938

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**159.7**	**20.55**	**5.735**	**1.719**	**.0179**	**.0035**	**.0067**	**2.862**	**.0185**
Stddev	.3	.17	.035	.002	.0000	.0004	.0005	.014	.0001
%RSD	.1788	.8348	.6136	.0972	.1365	10.36	7.927	.5021	.3901
#1	160.0	20.43	5.760	1.720	.0179	.0038	.0063	2.852	.0185
#2	159.5	20.67	5.710	1.718	.0179	.0032	.0071	2.872	.0186

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0500**	**3.834**	**-.0071**	**.0581**	**.2742**	**.0950**	**.0775**
Stddev	.0001	.021	.0012	.0002	.0040	.0015	.0009
%RSD	.2873	.5562	17.11	.2671	1.455	1.542	1.145
#1	.0501	3.819	-.0080	.0582	.2713	.0939	.0781
#2	.0499	3.849	-.0063	.0580	.2770	.0960	.0769

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82805.**	**17466.**	**2145.6**	**4343.3**
Stddev	488.	33.	6.5	4.5
%RSD	.58933	.19157	.30242	.10394
#1	83151.	17490.	2150.2	4346.5
#2	82460.	17443.	2141.1	4340.1

Zoom In Zoom Out

Sample Name: jb68829-5 Acquired: 6/11/2014 14:49:53 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2135**	**-.0018**	**.0013**	**.0480**	**.1420**	**.1131**	**2.099**	**.0977**	**.0133**
Stddev	.0006	.0000	.0000	.0004	.0005	.0005	.009	.0010	.0010
%RSD	.2816	1.040	3.670	.8391	.3762	.4700	.4052	.9775	7.734
#1	.2139	-.0018	.0013	.0483	.1416	.1127	2.093	.0984	.0140
#2	.2131	-.0018	.0013	.0477	.1424	.1135	2.105	.0970	.0125

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2278**	**.1903**	**.0263**	**-.0018**	**.0346**	**.0031**	**.0075**	**73.41**	**11.92**
Stddev	.0002	.0001	.0005	.0002	.0022	.0011	.0000	.12	.01
%RSD	.0826	.0769	1.930	9.415	6.255	36.88	.2599	.1598	.0611
#1	.2276	.1904	.0267	-.0019	.0330	.0023	.0075	73.32	11.92
#2	.2279	.1902	.0260	-.0017	.0361	.0039	.0075	73.49	11.93

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**145.4**	**18.66**	**5.782**	**2.208**	**.0213**	**.0036**	**.0059**	**4.465**	**.0163**
Stddev	.0	.29	.018	.006	.0012	.0000	.0012	.007	.0003
%RSD	.0117	1.556	.3066	.2875	5.682	.3718	20.51	.1610	1.646
#1	145.4	18.45	5.770	2.212	.0221	.0036	.0050	4.460	.0165
#2	145.4	18.86	5.795	2.204	.0204	.0036	.0067	4.470	.0161

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0547**	**4.409**	**-.0075**	**.0581**	**.1405**	**.1049**	**.0650**
Stddev	.0000	.016	.0020	.0002	.0005	.0001	.0003
%RSD	.0324	.3632	26.71	.3705	.3698	.0749	.4566
#1	.0547	4.398	-.0061	.0582	.1402	.1048	.0647
#2	.0547	4.420	-.0090	.0579	.1409	.1049	.0652

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82148.**	**17328.**	**2130.7**	**4313.7**
Stddev	123.	54.	7.4	4.4
%RSD	.14946	.30932	.34502	.10194
#1	82235.	17366.	2135.9	4316.8
#2	82061.	17290.	2125.5	4310.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 14:52:59 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.127**	**2.106**	**2.110**	**2.104**	**2.134**	**2.053**	**2.132**	**2.109**	**.2569**
Stddev	.010	.018	.017	.009	.011	.010	.011	.008	.0015
%RSD	.4859	.8436	.8072	.4374	.5281	.4784	.5090	.3913	.5813
#1	2.120	2.094	2.098	2.097	2.126	2.046	2.124	2.103	.2558
#2	2.135	2.119	2.122	2.110	2.142	2.059	2.139	2.115	.2580
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	**2.077**	**2.135**	**2.088**	**2.148**	**2.139**	**2.090**	**2.112**	**41.54**	**41.85**
Stddev	.012	.012	.011	.009	.013	.012	.018	.28	.25
%RSD	.5777	.5678	.5067	.4414	.6139	.5675	.8430	.6648	.5973
#1	2.069	2.126	2.080	2.142	2.130	2.082	2.100	41.35	41.67
#2	2.085	2.143	2.095	2.155	2.149	2.098	2.125	41.74	42.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.55**	**38.86**	**41.38**	**42.00**	**2.132**	**2.118**	**2.083**	**5.215**	**2.146**
Stddev	.33	.79	.09	.13	.018	.013	.014	.045	.010
%RSD	.7900	2.022	.2139	.3118	.8334	.6286	.6480	.8633	.4618
#1	41.31	38.31	41.32	41.91	2.119	2.108	2.073	5.183	2.139
#2	41.78	39.42	41.45	42.09	2.144	2.127	2.092	5.247	2.153
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: 6/11/2014 14:52:59 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.112**	**2.091**	**2.038**	**2.079**	**2.059**	**2.116**	**2.071**
Stddev	.012	.009	.007	.010	.017	.014	.011
%RSD	.5712	.4516	.3289	.4829	.8195	.6676	.5313
#1	2.103	2.084	2.034	2.071	2.047	2.106	2.063
#2	2.120	2.098	2.043	2.086	2.071	2.126	2.079
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	**77958.**	**16682.**	**2032.7**	**4112.0**
Stddev	353.	45.	11.3	15.8
%RSD	.45241	.26870	.55438	.38316
#1	78208.	16713.	2040.7	4123.1
#2	77709.	16650.	2024.7	4100.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 14:55:56 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0003**	**-.0001**	**.0000**	**.0001**	**.0001**	**-.0009**
Stddev	.0000	.0002	.0002	.0003	.0001	.0001	.0000	.0003	.0001
%RSD	25.26	350.0	144.2	82.43	91.98	275.9	4.162	339.1	7.493
#1	-.0001	.0002	-.0002	.0001	-.0000	-.0000	.0001	.0003	-.0009
#2	-.0001	-.0001	.0000	.0005	-.0002	.0001	.0001	-.0001	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0004**	**.0013**	**-.0003**	**.0009**	**.0003**	**.0011**	**.0107**	**.0052**
Stddev	.0000	.0000	.0017	.0001	.0004	.0004	.0009	.0030	.0028
%RSD	4.683	2.237	138.8	51.87	48.23	147.9	80.67	28.18	53.56
#1	.0007	.0004	.0025	-.0002	.0012	.0006	.0017	.0086	.0072
#2	.0007	.0005	.0000	-.0003	.0006	-.0000	.0005	.0128	.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	**.0061**	**.1703**	**.0456**	**-.0148**	**.0011**	**.0007**	**-.0000**	**-.0002**	**-.0002**
Stddev	.0024	.0530	.0243	.0003	.0003	.0002	.0003	.0002	.0006
%RSD	38.98	31.13	53.31	2.226	28.85	25.22	4945.	102.7	310.9
#1	.0077	.2078	.0628	-.0145	.0014	.0006	-.0002	-.0004	.0002
#2	.0044	.1328	.0284	-.0150	.0009	.0008	.0002	-.0001	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 14:55:56 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0162**	**.0007**	**.0021**	**-.0002**	**-.0017**
Stddev	.0001	.0003	.0050	.0001	.0021	.0000	.0000
%RSD	75.48	196.2	30.72	11.49	101.0	9.748	1.995
#1	.0001	.0001	.0126	.0007	.0035	-.0003	-.0017
#2	.0002	-.0004	.0197	.0006	.0006	-.0002	-.0017
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	**82158.**	**16815.**	**2109.2**	**4594.7**
Stddev	296.	77.	5.8	11.4
%RSD	.36024	.45944	.27488	.24838
#1	82367.	16760.	2113.3	4602.8
#2	81949.	16869.	2105.1	4586.7

Zoom In Zoom Out

Sample Name: jb68822-1a Acquired: 6/11/2014 14:59:08 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4820**	**-.0005**	**.0023**	**.0523**	**.1882**	**.1971**	**2.978**	**.1147**	**.0213**
Stddev	.0008	.0000	.0001	.0001	.0004	.0002	.001	.0001	.0005
%RSD	.1763	.4756	6.458	.2458	.2183	.1097	.0382	.1026	2.376
#1	.4826	-.0005	.0022	.0524	.1879	.1973	2.977	.1147	.0216
#2	.4814	-.0005	.0024	.0522	.1885	.1970	2.978	.1148	.0209

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1983**	**.5514**	**.0131**	**.0099**	**.2383**	**.0192**	**.0112**	**97.94**	**390.7**
Stddev	.0003	.0000	.0022	.0022	.0015	.0045	.0003	.00	4.3
%RSD	.1613	.0040	16.73	21.97	.6322	23.56	2.754	.0008	1.094
#1	.1980	.5514	.0147	.0114	.2394	.0160	.0114	97.94	387.7
#2	.1985	.5515	.0116	.0084	.2372	.0224	.0110	97.94	393.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**123.3**	**32.97**	**48.71**	**9.948**	**.0964**	**.0080**	**.0221**	**3.271**	**.0193**
Stddev	.2	.26	.01	.009	.0008	.0001	.0005	.008	.0009
%RSD	.1757	.8018	.0156	.0905	.8805	1.679	2.388	.2499	4.906
#1	123.4	32.78	48.71	9.942	.0970	.0079	.0217	3.265	.0186
#2	123.1	33.15	48.72	9.954	.0958	.0081	.0225	3.277	.0200

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.798**	**3.803**	**.0109**	**.0861**	**17.31**	**.1131**	**.0919**
Stddev	.005	.001	.0015	.0001	.05	.0003	.0000
%RSD	.2842	.0238	13.69	.1337	.3156	.2677	.0163
#1	1.802	3.802	.0098	.0861	17.27	.1133	.0919
#2	1.795	3.803	.0119	.0862	17.35	.1129	.0919

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77631.**	**17049.**	**2008.2**	**3859.9**
Stddev	34.	40.	9.7	15.9
%RSD	.04363	.23680	.48314	.41286
#1	77655.	17077.	2015.1	3871.2
#2	77607.	17020.	2001.4	3848.6

Zoom In Zoom Out

Sample Name: jb68823-1a Acquired: 6/11/2014 15:02:17 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5462**	**.0009**	**.0014**	**.2366**	**.1970**	**.1469**	**3.034**	**.1619**	**.0131**
Stddev	.0027	.0000	.0001	.0010	.0013	.0017	.018	.0001	.0000
%RSD	.4920	2.547	3.871	.4045	.6752	1.141	.5891	.0492	.0215
#1	.5481	.0009	.0014	.2359	.1960	.1457	3.022	.1619	.0131
#2	.5443	.0009	.0014	.2373	.1979	.1480	3.047	.1620	.0131

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2306**	**.3247**	**.0221**	**-.0008**	**.1264**	**.0030**	**.0065**	**76.33**	**138.3**
Stddev	.0011	.0009	.0019	.0030	.0012	.0005	.0002	.20	.4
%RSD	.4835	.2711	8.822	385.3	.9729	17.48	3.295	.2657	.2979
#1	.2298	.3241	.0207	.0013	.1273	.0034	.0067	76.47	138.6
#2	.2314	.3253	.0235	-.0029	.1255	.0026	.0064	76.19	138.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**159.5**	**40.22**	**15.05**	**5.875**	**.1073**	**.0048**	**.0125**	**5.591**	**.0127**
Stddev	.4	.06	.09	.026	.0012	.0002	.0011	.016	.0005
%RSD	.2348	.1457	.6111	.4468	1.098	4.641	8.592	.2891	3.599
#1	159.7	40.27	15.12	5.893	.1065	.0049	.0133	5.603	.0124
#2	159.2	40.18	14.99	5.856	.1082	.0046	.0117	5.580	.0131

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4442**	**3.907**	**.0047**	**.0916**	**2.694**	**.1018**	**.0797**
Stddev	.0022	.024	.0014	.0004	.010	.0017	.0015
%RSD	.4996	.6037	28.81	.4129	.3831	1.660	1.894
#1	.4458	3.891	.0037	.0914	2.687	.1006	.0807
#2	.4426	3.924	.0057	.0919	2.702	.1030	.0786

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79264.**	**17306.**	**2065.6**	**4099.6**
Stddev	88.	67.	4.1	7.9
%RSD	.11094	.38441	.20066	.19376
#1	79326.	17259.	2068.5	4105.2
#2	79202.	17353.	2062.7	4093.9

Zoom In Zoom Out

Sample Name: jb68824-1a Acquired: 6/11/2014 15:05:21 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6548**	**.0013**	**.0009**	**.0350**	**.1059**	**.0567**	**2.788**	**.0845**	**.0091**
Stddev	.0054	.0001	.0002	.0003	.0003	.0000	.009	.0001	.0014
%RSD	.8191	6.791	22.47	.8556	.2390	.0535	.3380	.1130	15.16
#1	.6586	.0014	.0008	.0348	.1060	.0566	2.782	.0845	.0100
#2	.6510	.0013	.0011	.0352	.1057	.0567	2.795	.0846	.0081

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1288**	**.2336**	**.0161**	**-.0008**	**.1406**	**-.0001**	**.0048**	**39.89**	**139.2**
Stddev	.0007	.0017	.0006	.0019	.0001	.0023	.0004	.26	1.1
%RSD	.5680	.7147	3.475	232.6	.1029	2409.	7.628	.6486	.7659
#1	.1283	.2348	.0157	.0005	.1407	.0016	.0045	40.07	140.0
#2	.1293	.2324	.0164	-.0021	.1405	-.0018	.0050	39.70	138.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**97.44**	**23.14**	**11.36**	**5.585**	**.0565**	**.0044**	**.0081**	**4.789**	**.0120**
Stddev	.83	.15	.08	.042	.0002	.0002	.0005	.027	.0005
%RSD	.8493	.6390	.7186	.7559	.4081	4.499	6.545	.5597	4.005
#1	98.03	23.24	11.42	5.615	.0566	.0043	.0077	4.808	.0117
#2	96.86	23.03	11.30	5.555	.0563	.0045	.0084	4.770	.0123

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5046**	**1.530**	**.0048**	**.0528**	**1.640**	**.0419**	**.0494**
Stddev	.0042	.007	.0003	.0001	.005	.0011	.0011
%RSD	.8418	.4565	6.225	.2741	.3368	2.674	2.171
#1	.5076	1.525	.0046	.0527	1.643	.0427	.0501
#2	.5016	1.535	.0050	.0529	1.636	.0412	.0486

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80112.**	**17059.**	**2065.4**	**4142.0**
Stddev	396.	38.	2.5	8.6
%RSD	.49451	.22497	.12201	.20669
#1	80392.	17032.	2063.6	4136.0
#2	79832.	17087.	2067.1	4148.1

Zoom In Zoom Out

Sample Name: mp79957-mb1 2 Acquired: 6/11/2014 15:08:25 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**-.0001**	**-.0000**	**-.0001**	**.0000**	**.0004**	**.0008**	**.0006**	**-.0003**
Stddev	.0002	.0000	.0002	.0002	.0001	.0002	.0000	.0003	.0004
%RSD	30.69	19.50	550.1	169.2	384.6	45.07	3.187	45.56	143.8
#1	.0008	-.0001	.0001	-.0002	-.0000	.0006	.0008	.0008	-.0006
#2	.0005	-.0001	-.0002	.0000	.0001	.0003	.0008	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0041**	**.0003**	**.0004**	**.0005**	**-.0019**	**.0009**	**.1322**	**.0978**
Stddev	.0002	.0002	.0001	.0006	.0002	.0010	.0008	.0068	.0087
%RSD	55.88	4.409	49.50	152.7	44.31	54.54	87.03	5.131	8.875
#1	.0004	.0042	.0004	.0008	.0004	-.0011	.0015	.1274	.1039
#2	.0002	.0040	.0002	-.0000	.0007	-.0026	.0004	.1370	.0917

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0475**	**-.1953**	**.0736**	**.0093**	**.0000**	**-.0000**	**.0006**	**.0319**	**.0145**
Stddev	.0004	.1085	.0272	.0031	.0006	.0001	.0003	.0016	.0006
%RSD	.8822	55.56	36.96	33.07	1440.	313.9	61.04	5.015	3.860
#1	.0472	-.1186	.0928	.0114	.0004	.0000	.0008	.0308	.0148
#2	.0478	-.2720	.0543	.0071	-.0004	-.0001	.0003	.0330	.0141

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0011**	**-.0063**	**-.0000**	**.0083**	**-.0002**	**-.0008**
Stddev	.0001	.0001	.0016	.0000	.0002	.0011	.0002
%RSD	30.68	6.752	25.00	183.6	2.364	470.7	28.27
#1	.0002	.0011	-.0074	.0000	.0082	-.0010	-.0010
#2	.0003	.0012	-.0052	-.0000	.0085	.0005	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83555.**	**17028.**	**2139.6**	**4666.9**
Stddev	231.	76.	1.6	7.5
%RSD	.27594	.44438	.07251	.16009
#1	83718.	17081.	2140.7	4672.2
#2	83392.	16974.	2138.5	4661.6

Zoom In Zoom Out

Sample Name: mp79957-b1 Acquired: 6/11/2014 15:11:37 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.081**	**.1015**	**.0897**	**.9690**	**.4043**	**.4728**	**1.000**	**.9828**	**.1003**
Stddev	.132	.0036	.0001	.0010	.0042	.0045	.012	.0017	.0008
%RSD	3.243	3.547	.1071	.1055	1.048	.9418	1.165	.1753	.8124
#1	4.175	.1040	.0898	.9698	.4013	.4696	.9921	.9816	.1009
#2	3.988	.0990	.0896	.9683	.4073	.4759	1.009	.9840	.0998

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9225**	**1.008**	**3.939**	**4.128**	**1.019**	**3.835**	**.9887**	**53.83**	**12.93**
Stddev	.0113	.000	.003	.001	.001	.004	.0034	1.77	.36
%RSD	1.222	.0030	.0799	.0198	.1221	.1119	.3454	3.284	2.800
#1	.9145	1.008	3.937	4.127	1.020	3.838	.9911	55.08	13.19
#2	.9304	1.008	3.942	4.128	1.018	3.832	.9863	52.58	12.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**52.88**	**11.96**	**12.49**	**12.99**	**-.0009**	**-.0005**	**.0071**	**.0200**	**.0122**
Stddev	1.65	.24	.34	.38	.0007	.0002	.0007	.0016	.0006
%RSD	3.128	1.966	2.745	2.917	70.19	46.79	9.683	7.792	4.629
#1	54.05	12.13	12.73	13.26	-.0005	-.0004	.0066	.0189	.0125
#2	51.71	11.79	12.24	12.73	-.0014	-.0007	.0075	.0211	.0118

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0008**	**.0067**	**.0003**	**.0150**	**.0060**	**-.0042**
Stddev	.0001	.0007	.0005	.0004	.0013	.0013	.0008
%RSD	104.4	82.07	8.101	126.3	8.892	20.96	19.19
#1	.0002	.0013	.0064	.0007	.0141	.0051	-.0047
#2	.0000	.0003	.0071	.0000	.0160	.0069	-.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80946.**	**16720.**	**2106.8**	**4349.4**
Stddev	739.	394.	1.7	.6
%RSD	.91326	2.3568	.07991	.01431
#1	81469.	16442.	2105.6	4349.0
#2	80424.	16999.	2108.0	4349.9

Zoom In Zoom Out

Sample Name: mp79957-s1 Acquired: 6/11/2014 15:14:38 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.559**	**.0986**	**.0936**	**1.033**	**.6168**	**1.021**	**3.080**	**1.131**	**.1122**
Stddev	.005	.0001	.0006	.001	.0015	.007	.017	.002	.0002
%RSD	.1041	.0920	.6160	.1164	.2501	.6989	.5519	.2006	.1572
#1	4.563	.0987	.0940	1.032	.6157	1.016	3.068	1.133	.1123
#2	4.556	.0986	.0932	1.033	.6179	1.026	3.093	1.129	.1121

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.135**	**2.080**	**4.021**	**4.048**	**2.113**	**3.840**	**.5338**	**125.7**	**182.1**
Stddev	.006	.002	.001	.006	.005	.000	.0005	.1	.4
%RSD	.5603	.1154	.0206	.1606	.2408	.0020	.0996	.0962	.2408
#1	1.130	2.082	4.022	4.052	2.116	3.840	.5342	125.8	182.4
#2	1.139	2.078	4.021	4.043	2.109	3.840	.5334	125.7	181.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**159.8**	**42.82**	**27.15**	**16.60**	**.1416**	**.0049**	**.0166**	**3.474**	**.0468**
Stddev	.0	.21	.07	.07	.0006	.0002	.0010	.004	.0002
%RSD	.0124	.4876	.2606	.4495	.4467	3.123	6.054	.1290	.4318
#1	159.8	42.97	27.20	16.65	.1420	.0048	.0173	3.477	.0466
#2	159.8	42.68	27.10	16.54	.1412	.0050	.0159	3.471	.0469

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5669**	**3.126**	**.0144**	**.0529**	**2.981**	**.0862**	**.0895**
Stddev	.0009	.015	.0002	.0005	.004	.0027	.0010
%RSD	.1590	.4871	1.526	1.010	.1399	3.189	1.079
#1	.5663	3.115	.0145	.0526	2.984	.0843	.0888
#2	.5676	3.137	.0142	.0533	2.978	.0881	.0902

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78643.**	**17191.**	**2046.8**	**4017.1**
Stddev	46.	98.	1.3	3.1
%RSD	.05856	.57070	.06445	.07740
#1	78676.	17122.	2045.9	4014.9
#2	78611.	17261.	2047.7	4019.3

Zoom In Zoom Out

Sample Name: mp79957-s2 Acquired: 6/11/2014 15:17:38 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.088**	**.0857**	**.0942**	**1.046**	**1.763**	**1.214**	**4.140**	**1.223**	**.0973**
Stddev	.445	.0093	.0012	.008	.022	.019	.055	.009	.0135
%RSD	10.89	10.84	1.320	.7820	1.274	1.539	1.321	.7781	13.87
#1	3.773	.0791	.0934	1.040	1.747	1.201	4.101	1.217	.0877
#2	4.402	.0922	.0951	1.052	1.779	1.228	4.179	1.230	.1068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.195**	**2.146**	**3.978**	**3.974**	**1.952**	**3.768**	**.5395**	**130.6**	**137.9**
Stddev	.017	.019	.035	.020	.016	.047	.0086	14.3	15.0
%RSD	1.451	.8668	.8703	.4969	.8126	1.249	1.591	10.94	10.89
#1	1.183	2.133	3.953	3.960	1.941	3.735	.5334	120.5	127.2
#2	1.208	2.159	4.002	3.988	1.964	3.801	.5456	140.7	148.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**180.4**	**43.50**	**27.52**	**14.56**	**.1079**	**.0851**	**.0124**	**4.924**	**.0538**
Stddev	19.6	4.86	2.97	1.58	.0019	.0006	.0035	.033	.0004
%RSD	10.89	11.18	10.80	10.87	1.744	.6742	28.31	.6695	.8311
#1	166.5	40.07	25.41	13.44	.1066	.0847	.0100	4.900	.0534
#2	194.3	46.94	29.62	15.68	.1093	.0855	.0149	4.947	.0541

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4288**	**4.115**	**.0139**	**.0548**	**5.175**	**.1112**	**.1267**
Stddev	.0470	.049	.0001	.0015	.051	.0002	.0140
%RSD	10.96	1.183	.5220	2.749	.9824	.1550	11.05
#1	.3955	4.080	.0139	.0537	5.139	.1111	.1168
#2	.4620	4.149	.0138	.0559	5.211	.1113	.1366

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78110.**	**19147.**	**2026.1**	**3986.5**
Stddev	735.	1773.	15.2	26.0
%RSD	.94129	9.2575	.74792	.65194
#1	78630.	20400.	2036.8	4004.9
#2	77591.	17893.	2015.3	3968.1

Zoom In Zoom Out

Sample Name: jb67974-4 Acquired: 6/11/2014 15:20:36 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7438**	**.0001**	**.0039**	**.0616**	**.3142**	**.5682**	**2.579**	**.1803**	**.0151**
Stddev	.0155	.0002	.0006	.0002	.0069	.0142	.059	.0010	.0045
%RSD	2.082	273.3	14.60	.3769	2.206	2.508	2.280	.5754	29.57
#1	.7547	-.0001	.0035	.0614	.3093	.5581	2.538	.1795	.0182
#2	.7328	.0002	.0043	.0617	.3191	.5782	2.621	.1810	.0119

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2502**	**1.191**	**.0527**	**-.0008**	**.9397**	**.0079**	**.0110**	**95.34**	**146.4**
Stddev	.0065	.010	.0001	.0009	.0063	.0027	.0002	2.04	3.0
%RSD	2.580	.8410	.1159	112.4	.6740	34.15	1.843	2.136	2.042
#1	.2456	1.184	.0527	-.0014	.9352	.0098	.0112	96.78	148.5
#2	.2547	1.198	.0526	-.0002	.9442	.0060	.0109	93.90	144.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**154.4**	**42.55**	**17.73**	**5.431**	**.0805**	**.0079**	**.0121**	**3.018**	**.0863**
Stddev	3.3	.89	.33	.110	.0008	.0004	.0006	.028	.0000
%RSD	2.121	2.085	1.884	2.022	1.047	5.640	5.046	.9396	.0494
#1	156.7	43.18	17.96	5.508	.0799	.0076	.0116	2.998	.0863
#2	152.1	41.93	17.49	5.353	.0811	.0082	.0125	3.038	.0863

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5504**	**3.761**	**-.0045**	**.0398**	**3.579**	**.0993**	**.1214**
Stddev	.0113	.090	.0024	.0004	.033	.0001	.0032
%RSD	2.061	2.395	52.54	.9355	.9159	.0735	2.672
#1	.5584	3.697	-.0029	.0396	3.555	.0993	.1237
#2	.5424	3.825	-.0062	.0401	3.602	.0994	.1191

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79477.**	**17016.**	**2065.7**	**4078.8**
Stddev	1397.	273.	22.1	41.7
%RSD	1.7575	1.6025	1.0704	1.0213
#1	80465.	16823.	2081.4	4108.3
#2	78489.	17209.	2050.1	4049.4

Zoom In Zoom Out

Sample Name: mp79957-sd1 Acquired: 6/11/2014 15:23:39 Type: Unk
Method: Accutest 2(v84) 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	**.7306**	**-.0002**	**.0022**	**.0577**	**.3101**	**.5489**	**2.543**	**.1718**	**.0126**
Stddev	.0113	.0004	.0012	.0026	.0030	.0025	.012	.0004	.0059
%RSD	1.546	174.8	54.73	4.552	.9569	.4523	.4742	.2403	47.06
#1	.7386	.0001	.0031	.0595	.3080	.5472	2.534	.1721	.0168
#2	.7226	-.0005	.0014	.0558	.3122	.5507	2.551	.1715	.0084

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2433**	**1.217**	**.0622**	**-.0020**	**.9190**	**.0065**	**.0173**	**92.36**	**144.2**
Stddev	.0048	.000	.0082	.0086	.0048	.0021	.0165	1.37	2.2
%RSD	1.973	.0194	13.12	427.2	.5175	31.77	95.34	1.479	1.541
#1	.2399	1.217	.0680	.0040	.9223	.0050	.0056	93.33	145.8
#2	.2466	1.217	.0565	-.0081	.9156	.0079	.0289	91.39	142.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**153.8**	**42.66**	**17.40**	**5.131**	**.0783**	**.0053**	**.0191**	**2.996**	**.0852**
Stddev	2.5	.49	.40	.025	.0015	.0009	.0051	.031	.0045
%RSD	1.612	1.149	2.295	.4831	1.871	17.19	26.79	1.033	5.227
#1	155.5	43.01	17.68	5.149	.0793	.0047	.0155	2.974	.0883
#2	152.0	42.31	17.12	5.114	.0772	.0060	.0227	3.018	.0820

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5358**	**3.634**	**-.0465**	**.0363**	**3.441**	**.0867**	**.1072**
Stddev	.0088	.009	.0029	.0012	.001	.0059	.0072
%RSD	1.644	.2520	6.229	3.205	.0297	6.858	6.695
#1	.5420	3.628	-.0485	.0354	3.440	.0909	.1123
#2	.5295	3.641	-.0444	.0371	3.442	.0825	.1022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81841.**	**16719.**	**2105.3**	**4407.3**
Stddev	282.	165.	6.0	7.1
%RSD	.34468	.98931	.28515	.16044
#1	82040.	16602.	2109.5	4412.3
#2	81641.	16836.	2101.0	4402.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 15:26:47 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.140**	**2.118**	**2.109**	**2.100**	**2.139**	**2.051**	**2.125**	**2.110**	**.2569**
Stddev	.010	.005	.010	.006	.010	.002	.009	.008	.0002
%RSD	.4633	.2313	.4927	.3105	.4796	.0999	.4073	.4004	.0932
#1	2.147	2.122	2.102	2.095	2.132	2.050	2.119	2.104	.2567
#2	2.133	2.115	2.117	2.104	2.147	2.052	2.132	2.116	.2571
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	**2.072**	**2.133**	**2.088**	**2.150**	**2.136**	**2.091**	**2.112**	**41.71**	**42.03**
Stddev	.007	.004	.009	.014	.011	.007	.009	.19	.20
%RSD	.3368	.1884	.4528	.6274	.5204	.3479	.4081	.4501	.4653
#1	2.067	2.131	2.081	2.141	2.129	2.086	2.106	41.84	42.17
#2	2.076	2.136	2.094	2.160	2.144	2.096	2.118	41.58	41.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.74**	**37.87**	**41.50**	**42.18**	**2.129**	**2.116**	**2.090**	**5.211**	**2.149**
Stddev	.04	.01	.37	.33	.013	.006	.003	.025	.006
%RSD	.1027	.0365	.8869	.7769	.5863	.2937	.1550	.4723	.2603
#1	41.77	37.88	41.76	42.41	2.120	2.112	2.088	5.194	2.145
#2	41.71	37.86	41.24	41.95	2.138	2.121	2.093	5.229	2.153
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: 6/11/2014 15:26:47 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.120**	**2.081**	**2.042**	**2.077**	**2.055**	**2.117**	**2.085**
Stddev	.007	.005	.005	.004	.008	.007	.014
%RSD	.3355	.2605	.2441	.1666	.3803	.3333	.6845
#1	2.125	2.077	2.045	2.075	2.050	2.112	2.095
#2	2.115	2.085	2.038	2.079	2.061	2.122	2.075
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	**77794.**	**16635.**	**2033.4**	**4109.1**
Stddev	311.	140.	.6	5.6
%RSD	.40013	.83916	.02827	.13629
#1	78014.	16536.	2033.8	4113.1
#2	77574.	16734.	2033.0	4105.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 15:29:43 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**-.0002**	**-.0002**	**-.0003**	**.0007**	**.0001**	**.0001**	**-.0007**
Stddev	.0001	.0001	.0002	.0001	.0003	.0001	.0001	.0000	.0004
%RSD	20.00	47.03	76.77	58.16	103.9	8.799	69.15	12.58	61.58
#1	.0003	.0002	-.0001	-.0003	-.0001	.0007	.0001	.0001	-.0010
#2	.0002	.0001	-.0004	-.0001	-.0005	.0007	.0002	.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0005**	F **.0029**	**.0000**	**-.0003**	**-.0009**	**.0011**	**.0093**	**.0031**
Stddev	.0005	.0002	.0006	.0000	.0001	.0031	.0012	.0011	.0050
%RSD	415.6	35.14	22.21	96.30	36.22	343.2	106.2	12.05	162.8
#1	-.0005	.0003	.0034	.0000	-.0004	-.0031	.0003	.0101	.0067
#2	.0002	.0006	.0025	.0001	-.0002	.0013	.0020	.0085	-.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0027						
Low Limit			-.0027						

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0687**	**.0251**	**-.0154**	**.0005**	**.0006**	**-.0010**	**.0024**	**-.0007**
Stddev	.0020	.1027	.0043	.0057	.0001	.0002	.0018	.0013	.0002
%RSD	39.90	149.3	17.31	36.68	18.52	29.41	173.3	53.77	23.69
#1	.0037	.0038	.0220	-.0114	.0006	.0005	.0002	.0015	-.0008
#2	.0065	-.1413	.0281	-.0194	.0004	.0008	-.0023	.0034	-.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: 6/11/2014 15:29:43 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0161**	**.0004**	**.0051**	**-.0008**	**-.0005**
Stddev	.0001	.0003	.0045	.0002	.0005	.0011	.0011
%RSD	42.57	262.4	28.13	51.54	9.876	135.8	231.8
#1	.0003	.0003	.0129	.0003	.0055	-.0015	.0003
#2	.0002	-.0001	.0192	.0006	.0048	-.0000	-.0013
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	**82558.**	**16635.**	**2112.3**	**4604.6**
Stddev	349.	53.	12.1	25.1
%RSD	.42317	.31774	.57288	.54497
#1	82805.	16597.	2120.8	4622.3
#2	82311.	16672.	2103.7	4586.9

Zoom In Zoom Out

Sample Name: jb67974-5 Acquired: 6/11/2014 15:32:55 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.205**	**.0016**	**.0045**	**.0780**	**.3636**	**.6829**	**3.865**	**.2284**	**.0176**
Stddev	.005	.0000	.0004	.0002	.0018	.0047	.024	.0021	.0001
%RSD	.4417	2.696	7.941	.2160	.4837	.6852	.6189	.9414	.8429
#1	1.201	.0015	.0048	.0782	.3624	.6796	3.848	.2268	.0177
#2	1.209	.0016	.0043	.0779	.3649	.6862	3.882	.2299	.0175

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3206**	**1.532**	**.0903**	**-.0018**	**1.524**	**.0050**	**.0137**	**111.8**	**62.21**
Stddev	.0018	.007	.0000	.0026	.006	.0023	.0008	.7	.34
%RSD	.5650	.4641	.0294	145.4	.4181	46.00	6.117	.6036	.5399
#1	.3193	1.527	.0903	-.0036	1.519	.0034	.0142	111.3	61.98
#2	.3218	1.537	.0903	.0001	1.528	.0066	.0131	112.3	62.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**189.8**	**36.34**	**17.94**	**6.476**	**.0765**	**.0083**	**.0079**	**3.440**	**.1112**
Stddev	1.1	.53	.11	.033	.0012	.0001	.0005	.028	.0010
%RSD	.5639	1.457	.6294	.5052	1.605	1.406	5.928	.8073	.9093
#1	189.1	35.96	17.86	6.453	.0756	.0082	.0075	3.420	.1119
#2	190.6	36.71	18.02	6.500	.0774	.0083	.0082	3.459	.1105

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3501**	**4.193**	**.0068**	**.0492**	**2.016**	**.1085**	**.1564**
Stddev	.0016	.033	.0029	.0003	.014	.0029	.0005
%RSD	.4668	.7823	42.74	.5339	.6812	2.709	.3419
#1	.3490	4.170	.0048	.0490	2.006	.1064	.1560
#2	.3513	4.217	.0089	.0494	2.025	.1105	.1567

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80888.**	**17348.**	**2095.2**	**4138.5**
Stddev	303.	168.	12.8	23.0
%RSD	.37443	.97114	.61139	.55631
#1	81102.	17467.	2104.2	4154.8
#2	80673.	17229.	2086.1	4122.2

Zoom In Zoom Out

Sample Name: jb67974-6 Acquired: 6/11/2014 15:35:58 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8820**	**.0001**	**.0033**	**.0734**	**.4038**	**.4216**	**4.263**	**.2733**	**.0171**
Stddev	.0022	.0000	.0001	.0002	.0034	.0012	.032	.0017	.0006
%RSD	.2533	27.19	3.802	.2401	.8517	.2906	.7537	.6050	3.371
#1	.8804	.0001	.0032	.0733	.4014	.4207	4.241	.2721	.0167
#2	.8836	.0001	.0034	.0735	.4062	.4225	4.286	.2745	.0175

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4202**	**1.139**	**.0679**	**-.0019**	**.9696**	**.0055**	**.0147**	**103.0**	**22.17**
Stddev	.0023	.004	.0023	.0028	.0077	.0015	.0024	.4	.05
%RSD	.5398	.3861	3.431	148.3	.7966	27.27	16.14	.4118	.2420
#1	.4186	1.136	.0663	.0001	.9641	.0045	.0131	102.7	22.13
#2	.4218	1.142	.0696	-.0039	.9750	.0066	.0164	103.3	22.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**179.7**	**37.49**	**26.68**	**4.152**	**.0546**	**.0108**	**.0080**	**3.002**	**.0575**
Stddev	.7	.01	.10	.016	.0016	.0003	.0009	.018	.0008
%RSD	.3840	.0194	.3908	.3738	2.939	2.486	11.47	.5977	1.441
#1	179.2	37.49	26.61	4.141	.0534	.0106	.0073	2.989	.0570
#2	180.2	37.48	26.76	4.163	.0557	.0110	.0086	3.014	.0581

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2544**	**5.184**	**.0012**	**.0415**	**4.979**	**.1233**	**.1930**
Stddev	.0006	.043	.0011	.0001	.034	.0012	.0018
%RSD	.2235	.8205	90.14	.2551	.6912	.9637	.9097
#1	.2540	5.154	.0004	.0414	4.954	.1225	.1943
#2	.2548	5.215	.0020	.0416	5.003	.1242	.1918

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82577.**	**17599.**	**2135.7**	**4211.8**
Stddev	880.	58.	10.0	21.8
%RSD	1.0659	.33224	.46592	.51847
#1	83199.	17640.	2142.7	4227.3
#2	81954.	17557.	2128.6	4196.4

Zoom In Zoom Out

Sample Name: jb67974-7 Acquired: 6/11/2014 15:39:02 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6606**	**.0009**	**.0024**	**.0613**	**.2984**	**.3325**	**3.766**	**.1526**	**.0139**
Stddev	.0019	.0001	.0001	.0004	.0026	.0030	.034	.0005	.0004
%RSD	.2837	9.962	4.285	.5880	.8704	.9144	.9002	.3473	2.819
#1	.6593	.0008	.0023	.0616	.2966	.3303	3.742	.1522	.0142
#2	.6619	.0009	.0025	.0611	.3003	.3346	3.790	.1529	.0136

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2614**	**.7395**	**.0605**	**-.0033**	**.4162**	**.0035**	**.0103**	**79.44**	**44.35**
Stddev	.0022	.0008	.0010	.0002	.0008	.0034	.0028	.39	.15
%RSD	.8493	.1076	1.635	6.150	.1818	97.56	26.98	.4966	.3285
#1	.2598	.7390	.0612	-.0032	.4157	.0059	.0084	79.17	44.25
#2	.2629	.7401	.0598	-.0034	.4167	.0011	.0123	79.72	44.45

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**148.1**	**37.89**	**18.96**	**3.155**	**.0461**	**.0074**	**.0072**	**3.262**	**.0331**
Stddev	.6	.00	.04	.014	.0014	.0003	.0019	.007	.0008
%RSD	.3941	.0111	.1907	.4336	3.097	4.180	26.26	.2264	2.501
#1	147.6	37.89	18.94	3.145	.0471	.0076	.0059	3.257	.0325
#2	148.5	37.90	18.99	3.164	.0451	.0072	.0086	3.267	.0337

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2335**	**5.793**	**-.0011**	**.0679**	**1.059**	**.1303**	**.1353**
Stddev	.0011	.046	.0001	.0009	.004	.0024	.0002
%RSD	.4855	.7882	10.62	1.367	.4023	1.809	.1129
#1	.2327	5.761	-.0010	.0673	1.056	.1286	.1354
#2	.2343	5.825	-.0012	.0686	1.062	.1320	.1352

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83340.**	**17678.**	**2147.3**	**4199.6**
Stddev	725.	55.	13.2	22.6
%RSD	.86950	.31310	.61288	.53932
#1	83853.	17717.	2156.6	4215.6
#2	82828.	17639.	2138.0	4183.6

Zoom In Zoom Out

Sample Name: jb67974-8 Acquired: 6/11/2014 15:42:06 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6457**	**.0007**	**.0017**	**.0797**	**.1966**	**.3665**	**4.366**	**.1542**	**.0151**
Stddev	.0024	.0002	.0004	.0006	.0008	.0024	.029	.0012	.0006
%RSD	.3778	21.91	24.16	.7761	.4236	.6454	.6752	.7907	4.071
#1	.6474	.0006	.0014	.0792	.1960	.3648	4.345	.1534	.0155
#2	.6439	.0009	.0020	.0801	.1972	.3681	4.387	.1551	.0146

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2660**	**.7861**	**.0593**	**-.0051**	**.1867**	**.0029**	**.0103**	**78.26**	**18.80**
Stddev	.0012	.0072	.0006	.0005	.0040	.0011	.0019	.09	.09
%RSD	.4510	.9220	.9957	10.53	2.122	37.85	18.72	.1132	.4665
#1	.2651	.7809	.0597	-.0054	.1839	.0021	.0090	78.32	18.87
#2	.2668	.7912	.0589	-.0047	.1896	.0037	.0117	78.20	18.74

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**160.3**	**43.62**	**22.44**	**2.784**	**.0443**	**.0062**	**.0057**	**2.573**	**.0250**
Stddev	.5	.06	.16	.021	.0003	.0003	.0000	.028	.0015
%RSD	.3141	.1430	.7313	.7352	.7073	5.155	.4341	1.075	6.195
#1	160.7	43.66	22.56	2.798	.0445	.0065	.0057	2.553	.0239
#2	160.0	43.58	22.33	2.769	.0440	.0060	.0056	2.592	.0260

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1483**	**6.521**	**-.0051**	**.0678**	**.4616**	**.1451**	**.1473**
Stddev	.0005	.043	.0006	.0002	.0066	.0020	.0010
%RSD	.3312	.6519	12.04	.3255	1.439	1.358	.6905
#1	.1487	6.491	-.0047	.0676	.4569	.1437	.1481
#2	.1480	6.551	-.0056	.0679	.4663	.1465	.1466

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83182.**	**17608.**	**2151.9**	**4226.1**
Stddev	353.	51.	12.8	21.1
%RSD	.42461	.28886	.59628	.49929
#1	83432.	17572.	2161.0	4241.0
#2	82932.	17644.	2142.8	4211.2

Zoom In Zoom Out

Sample Name: jb67974-9 Acquired: 6/11/2014 15:45:11 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6241**	**.0005**	**.0015**	**.0721**	**.2196**	**.2920**	**3.969**	**.1641**	**.0140**
Stddev	.0008	.0001	.0000	.0001	.0016	.0033	.039	.0009	.0002
%RSD	.1279	14.18	2.060	.1428	.7341	1.113	.9835	.5739	1.592
#1	.6236	.0006	.0015	.0722	.2185	.2897	3.941	.1635	.0138
#2	.6247	.0005	.0015	.0721	.2208	.2943	3.996	.1648	.0141

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2786**	**.6561**	**.0644**	**-.0043**	**.2034**	**.0022**	**.0107**	**78.37**	**21.25**
Stddev	.0033	.0014	.0006	.0020	.0001	.0002	.0005	.24	.03
%RSD	1.193	.2101	.8841	47.41	.0707	8.538	5.051	.3100	.1184
#1	.2763	.6571	.0648	-.0057	.2033	.0021	.0111	78.20	21.24
#2	.2810	.6552	.0640	-.0028	.2035	.0024	.0103	78.55	21.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**172.3**	**46.10**	**20.01**	**2.979**	**.0453**	**.0076**	**.0048**	**3.055**	**.0245**
Stddev	.7	.19	.02	.010	.0014	.0003	.0012	.000	.0012
%RSD	.4064	.4017	.1245	.3221	3.163	3.564	24.87	.0128	5.015
#1	171.9	46.23	20.03	2.972	.0443	.0074	.0056	3.056	.0254
#2	172.8	45.97	19.99	2.985	.0463	.0078	.0039	3.055	.0236

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1380**	**6.352**	**-.0030**	**.0793**	**.5274**	**.1393**	**.1513**
Stddev	.0004	.061	.0012	.0009	.0020	.0024	.0015
%RSD	.2855	.9619	39.69	1.121	.3746	1.727	.9779
#1	.1377	6.308	-.0038	.0787	.5288	.1376	.1503
#2	.1382	6.395	-.0021	.0800	.5260	.1410	.1524

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83767.**	**17680.**	**2168.4**	**4235.8**
Stddev	466.	14.	2.6	8.1
%RSD	.55587	.08010	.12169	.19077
#1	84096.	17690.	2170.2	4241.5
#2	83438.	17670.	2166.5	4230.1

Zoom In Zoom Out

Sample Name: jb67974-14 Acquired: 6/11/2014 15:48:15 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.128**	**.0001**	**.0029**	**.0692**	**.2697**	**.5313**	**2.661**	**.1758**	**.0143**
Stddev	.002	.0001	.0003	.0004	.0013	.0048	.008	.0005	.0001
%RSD	.1517	127.4	9.840	.6392	.4864	.9001	.3005	.2804	.4006
#1	1.129	.0000	.0027	.0689	.2688	.5280	2.656	.1755	.0144
#2	1.126	.0001	.0031	.0695	.2706	.5347	2.667	.1762	.0143

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2736**	**1.236**	**.0831**	**-.0020**	**1.099**	**.0035**	**.0114**	**93.65**	**167.9**
Stddev	.0018	.002	.0000	.0003	.006	.0002	.0001	.06	.5
%RSD	.6540	.1735	.0152	14.17	.5267	6.816	.6778	.0614	.2750
#1	.2724	1.235	.0831	-.0022	1.094	.0037	.0115	93.69	168.2
#2	.2749	1.238	.0831	-.0018	1.103	.0034	.0114	93.61	167.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**159.6**	**35.39**	**18.95**	**3.578**	**.0897**	**.0085**	**.0129**	**3.641**	**.0473**
Stddev	.1	.20	.04	.013	.0013	.0002	.0018	.009	.0004
%RSD	.0444	.5623	.1854	.3728	1.457	2.421	14.20	.2560	.8405
#1	159.6	35.53	18.98	3.588	.0907	.0087	.0142	3.634	.0475
#2	159.5	35.25	18.93	3.569	.0888	.0084	.0116	3.647	.0470

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7750**	**5.145**	**-.0010**	**.0683**	**3.544**	**.1265**	**.1318**
Stddev	.0003	.018	.0016	.0008	.024	.0017	.0021
%RSD	.0324	.3447	156.5	1.199	.6808	1.353	1.609
#1	.7748	5.132	-.0022	.0678	3.527	.1277	.1333
#2	.7751	5.157	.0001	.0689	3.561	.1252	.1303

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79848.**	**17137.**	**2071.0**	**4071.7**
Stddev	246.	68.	6.2	13.8
%RSD	.30749	.39444	.29940	.33853
#1	80022.	17185.	2075.4	4081.5
#2	79675.	17089.	2066.6	4062.0

Zoom In Zoom Out

Sample Name: jb67974-15 Acquired: 6/11/2014 15:51:18 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.386**	**.0006**	**.0032**	**.0708**	**.3166**	**.6279**	**3.360**	**.1806**	**.0345**
Stddev	.001	.0001	.0002	.0001	.0025	.0042	.023	.0001	.0017
%RSD	.0762	19.23	7.197	.0978	.7834	.6764	.6975	.0823	4.879
#1	1.387	.0007	.0034	.0709	.3148	.6249	3.344	.1805	.0357
#2	1.385	.0006	.0031	.0708	.3183	.6309	3.377	.1807	.0334

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2589**	**1.419**	**.0985**	**-.0009**	**1.573**	**.0042**	**.0104**	**87.12**	**82.94**
Stddev	.0017	.000	.0004	.0003	.003	.0043	.0020	.06	.17
%RSD	.6674	.0093	.3937	35.12	.1585	103.5	19.08	.0663	.2052
#1	.2577	1.419	.0983	-.0006	1.575	.0073	.0118	87.16	83.06
#2	.2601	1.419	.0988	-.0011	1.571	.0011	.0090	87.08	82.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**173.0**	**33.58**	**18.17**	**1.943**	**.0487**	**.0100**	**.0090**	**3.376**	**.0641**
Stddev	.2	.12	.03	.004	.0001	.0002	.0017	.005	.0002
%RSD	.1392	.3660	.1659	.2127	.1657	2.110	19.27	.1481	.3597
#1	173.2	33.49	18.19	1.946	.0487	.0101	.0077	3.379	.0639
#2	172.8	33.67	18.15	1.940	.0488	.0099	.0102	3.372	.0643

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4112**	**4.089**	**-.0031**	**.0518**	**2.285**	**.1047**	**.1355**
Stddev	.0003	.031	.0005	.0001	.001	.0018	.0005
%RSD	.0668	.7512	15.47	.2185	.0337	1.711	.3405
#1	.4114	4.067	-.0027	.0517	2.284	.1034	.1359
#2	.4110	4.111	-.0034	.0519	2.285	.1060	.1352

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80466.**	**17213.**	**2108.9**	**4195.4**
Stddev	532.	2.	1.3	2.0
%RSD	.66092	.01121	.06111	.04869
#1	80842.	17211.	2109.8	4194.0
#2	80090.	17214.	2108.0	4196.9

Zoom In Zoom Out

Sample Name: jb67974-16 Acquired: 6/11/2014 15:54:21 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.308**	**.0003**	**.0033**	**.0556**	**.3857**	**.5261**	**2.276**	**.1477**	**.0116**
Stddev	.005	.0000	.0002	.0002	.0009	.0042	.012	.0012	.0000
%RSD	.3670	1.247	5.749	.2786	.2406	.7927	.5389	.7935	.0427
#1	1.305	.0003	.0034	.0557	.3851	.5232	2.268	.1486	.0116
#2	1.311	.0003	.0032	.0555	.3864	.5291	2.285	.1469	.0116

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2117**	**1.456**	**.0728**	**.0001**	**1.485**	**.0042**	**.0123**	**70.40**	**83.93**
Stddev	.0011	.007	.0009	.0015	.005	.0027	.0003	.42	.28
%RSD	.5095	.4640	1.224	1251.	.3579	64.06	2.575	.5916	.3345
#1	.2110	1.461	.0735	.0012	1.488	.0023	.0125	70.11	83.74
#2	.2125	1.451	.0722	-.0009	1.481	.0061	.0121	70.70	84.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**131.6**	**25.62**	**14.41**	**1.861**	**.0441**	**.0064**	**.0067**	**3.181**	**.0496**
Stddev	.5	.02	.04	.016	.0002	.0003	.0003	.001	.0002
%RSD	.3589	.0876	.2452	.8567	.5271	4.564	5.051	.0395	.4344
#1	131.2	25.63	14.39	1.849	.0443	.0062	.0069	3.182	.0497
#2	131.9	25.60	14.44	1.872	.0440	.0066	.0065	3.180	.0494

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3926**	**3.423**	**-.0041**	**.0402**	**2.199**	**.0868**	**.1060**
Stddev	.0017	.024	.0002	.0001	.009	.0011	.0013
%RSD	.4267	.6974	3.715	.3537	.4121	1.248	1.263
#1	.3915	3.406	-.0042	.0401	2.205	.0860	.1069
#2	.3938	3.440	-.0040	.0403	2.192	.0876	.1050

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80811.**	**17217.**	**2103.0**	**4210.3**
Stddev	152.	81.	1.1	1.0
%RSD	.18749	.46902	.05046	.02430
#1	80704.	17274.	2103.7	4209.6
#2	80918.	17160.	2102.2	4211.0

Zoom In Zoom Out

Sample Name: jb67974-17 Acquired: 6/11/2014 15:57:25 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.282**	**.0005**	**.0035**	**.0639**	**.5280**	**.5806**	**2.807**	**.1563**	**.0122**
Stddev	.000	.0000	.0003	.0007	.0034	.0030	.011	.0005	.0015
%RSD	.0104	9.516	9.031	1.154	.6426	.5182	.3980	.2960	12.34
#1	1.282	.0006	.0032	.0634	.5256	.5785	2.799	.1560	.0133
#2	1.281	.0005	.0037	.0644	.5304	.5827	2.815	.1567	.0112

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2173**	**1.249**	**.0873**	**-.0026**	**1.395**	**.0046**	**.0145**	**74.42**	**145.5**
Stddev	.0006	.008	.0011	.0004	.011	.0006	.0001	.02	.4
%RSD	.2852	.6585	1.270	16.09	.8156	13.94	.7626	.0238	.2537
#1	.2168	1.243	.0865	-.0029	1.387	.0050	.0144	74.41	145.8
#2	.2177	1.254	.0881	-.0023	1.403	.0041	.0145	74.43	145.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**136.3**	**28.50**	**14.15**	**2.831**	**.1043**	**.0069**	**.0097**	**3.174**	**.0596**
Stddev	.4	.36	.00	.012	.0001	.0001	.0016	.016	.0004
%RSD	.2666	1.262	.0122	.4046	.1418	1.640	16.78	.4952	.7082
#1	136.5	28.75	14.15	2.823	.1042	.0069	.0109	3.163	.0599
#2	136.0	28.24	14.14	2.839	.1044	.0070	.0086	3.185	.0593

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5896**	**3.361**	**-.0036**	**.0471**	**3.486**	**.0902**	**.1001**
Stddev	.0011	.019	.0007	.0002	.026	.0011	.0001
%RSD	.1800	.5563	20.43	.4641	.7452	1.271	.1213
#1	.5904	3.347	-.0042	.0473	3.468	.0894	.1002
#2	.5889	3.374	-.0031	.0470	3.505	.0910	.1000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79659.**	**17168.**	**2067.4**	**4118.2**
Stddev	401.	53.	17.3	29.5
%RSD	.50285	.30695	.83515	.71584
#1	79942.	17131.	2079.6	4139.1
#2	79376.	17205.	2055.2	4097.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 16:00:29 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.134**	**2.102**	**2.107**	**2.097**	**2.112**	**2.037**	**2.114**	**2.099**	**.2555**
Stddev	.002	.006	.010	.008	.004	.014	.006	.007	.0006
%RSD	.0732	.2789	.4907	.3788	.1985	.6852	.2981	.3532	.2481
#1	2.133	2.097	2.099	2.092	2.109	2.027	2.109	2.094	.2550
#2	2.136	2.106	2.114	2.103	2.115	2.047	2.118	2.105	.2559
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	**2.055**	**2.126**	**2.082**	**2.134**	**2.131**	**2.076**	**2.101**	**41.49**	**41.70**
Stddev	.005	.007	.011	.007	.006	.011	.011	.13	.06
%RSD	.2494	.3263	.5114	.3508	.2648	.5241	.4981	.3052	.1555
#1	2.051	2.121	2.075	2.128	2.127	2.069	2.094	41.40	41.65
#2	2.058	2.131	2.090	2.139	2.135	2.084	2.109	41.58	41.74
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	**41.41**	**37.27**	**41.22**	**42.13**	**2.121**	**2.107**	**2.060**	**5.196**	**2.139**
Stddev	.23	.05	.09	.06	.011	.007	.012	.023	.005
%RSD	.5652	.1315	.2269	.1324	.4997	.3221	.5913	.4381	.2185
#1	41.24	37.24	41.29	42.17	2.114	2.102	2.051	5.179	2.136
#2	41.57	37.30	41.15	42.09	2.129	2.112	2.068	5.212	2.143
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: 6/11/2014 16:00:29 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.115**	**2.070**	**2.035**	**2.062**	**2.045**	**2.108**	**2.081**
Stddev	.006	.005	.009	.008	.005	.010	.001
%RSD	.3028	.2426	.4466	.3932	.2239	.4939	.0484
#1	2.111	2.066	2.041	2.056	2.042	2.101	2.081
#2	2.120	2.073	2.029	2.068	2.048	2.115	2.080
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	**78302.**	**16491.**	**2029.5**	**4104.2**
Stddev	76.	98.	5.6	9.8
%RSD	.09668	.59657	.27449	.23805
#1	78248.	16561.	2033.5	4111.1
#2	78355.	16422.	2025.6	4097.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 16:03:26 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0005**	**.0000**	**.0001**	**.0001**	**.0000**	**-.0013**
Stddev	.0000	.0001	.0001	.0001	.0003	.0001	.0000	.0002	.0006
%RSD	75.43	301.6	40.53	31.46	2480.	89.42	8.344	1002.	49.02
#1	.0000	-.0000	-.0001	.0006	.0002	.0002	.0001	-.0001	-.0008
#2	.0000	.0001	-.0002	.0004	-.0002	.0001	.0001	.0002	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	**.0022**	**-.0015**	**.0009**	**-.0024**	**.0003**	**.0036**	**.0017**
Stddev	.0000	.0001	.0007	.0005	.0014	.0012	.0003	.0050	.0003
%RSD	7.013	13.87	33.59	35.37	150.3	47.74	88.88	139.2	20.32
#1	.0002	.0006	.0016	-.0019	.0019	-.0032	.0006	.0001	.0020
#2	.0002	.0005	.0027	-.0011	-.0001	-.0016	.0001	.0072	.0015
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**	**.0802**	**.0559**	**-.0250**	**.0010**	**.0007**	**.0015**	**.0021**	**-.0005**
Stddev	.0057	.0710	.0179	.0011	.0008	.0001	.0006	.0008	.0000
%RSD	111.7	88.52	32.07	4.234	78.85	14.18	41.84	40.20	3.475
#1	.0091	.1305	.0686	-.0243	.0016	.0008	.0020	.0015	-.0005
#2	.0011	.0300	.0432	-.0258	.0005	.0007	.0011	.0026	-.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: 6/11/2014 16:03:26 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0134**	**.0006**	**.0035**	**-.0011**	**-.0021**
Stddev	.0000	.0007	.0043	.0000	.0017	.0021	.0011
%RSD	22.05	851.1	31.89	4.508	49.28	188.5	51.25
#1	.0001	-.0004	.0104	.0006	.0023	-.0026	-.0013
#2	.0002	.0005	.0164	.0006	.0047	.0004	-.0028
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	**82711.**	**16514.**	**2113.3**	**4605.3**
Stddev	193.	228.	5.2	3.9
%RSD	.23312	1.3788	.24458	.08520
#1	82848.	16353.	2117.0	4608.1
#2	82575.	16675.	2109.7	4602.5

Zoom In Zoom Out

Sample Name: jb67974-18 Acquired: 6/11/2014 16:06:38 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.284**	**.0002**	**.0044**	**.0615**	**.2533**	**3.438**	**3.355**	**.1767**	**.0172**
Stddev	.012	.0001	.0004	.0001	.0003	.022	.021	.0009	.0008
%RSD	.9261	63.78	8.051	.1601	.0999	.6383	.6286	.5020	4.370
#1	1.275	.0001	.0041	.0615	.2531	3.422	3.340	.1774	.0167
#2	1.292	.0002	.0046	.0614	.2535	3.453	3.370	.1761	.0177

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2222**	**1.484**	**.0890**	**-.0007**	**1.367**	**.0058**	**.0107**	**73.67**	**150.0**
Stddev	.0008	.005	.0016	.0003	.004	.0029	.0010	.77	1.3
%RSD	.3484	.3312	1.785	40.23	.2683	50.28	9.424	1.046	.8931
#1	.2216	1.488	.0879	-.0009	1.370	.0037	.0114	73.12	149.0
#2	.2227	1.481	.0901	-.0005	1.365	.0078	.0100	74.21	150.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**209.2**	**27.27**	**15.59**	**2.684**	**.0433**	**.0080**	**.0136**	**3.959**	**.0614**
Stddev	2.3	.29	.13	.014	.0016	.0001	.0010	.006	.0005
%RSD	1.098	1.071	.8277	.5086	3.673	1.164	7.263	.1571	.8000
#1	207.6	27.07	15.50	2.675	.0444	.0080	.0143	3.963	.0611
#2	210.8	27.48	15.69	2.694	.0422	.0081	.0129	3.955	.0618

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5420**	**3.844**	**.0074**	**.0422**	**2.787**	**.1079**	**.1129**
Stddev	.0051	.026	.0017	.0004	.002	.0015	.0005
%RSD	.9330	.6784	23.02	.8463	.0619	1.399	.4085
#1	.5384	3.826	.0062	.0419	2.788	.1068	.1126
#2	.5456	3.863	.0086	.0424	2.786	.1090	.1133

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79443.**	**17001.**	**2054.1**	**4104.1**
Stddev	244.	110.	3.5	4.0
%RSD	.30678	.64801	.16860	.09721
#1	79270.	17079.	2051.7	4101.2
#2	79615.	16923.	2056.6	4106.9

Zoom In Zoom Out

Sample Name: jb67974-19 Acquired: 6/11/2014 16:09:41 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.396**	**.0003**	**.0031**	**.0528**	**.2118**	**.4616**	**1.862**	**.1385**	**.0114**
Stddev	.000	.0000	.0000	.0001	.0008	.0026	.008	.0005	.0007
%RSD	.0312	5.701	.8986	.1981	.3722	.5611	.4068	.3808	6.195
#1	1.396	.0003	.0032	.0527	.2112	.4598	1.856	.1389	.0119
#2	1.396	.0003	.0031	.0528	.2123	.4634	1.867	.1381	.0109

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1868**	**1.200**	**.0541**	**-.0026**	**1.292**	**.0048**	**.0104**	**71.03**	**102.6**
Stddev	.0008	.004	.0011	.0009	.001	.0037	.0003	.04	.3
%RSD	.4102	.3502	1.945	35.39	.0537	76.49	3.109	.0524	.2500
#1	.1862	1.203	.0533	-.0032	1.292	.0075	.0107	71.00	102.8
#2	.1873	1.197	.0548	-.0019	1.291	.0022	.0102	71.05	102.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**120.8**	**25.96**	**14.92**	**2.901**	**.0398**	**.0045**	**.0086**	**2.868**	**.0445**
Stddev	.1	.26	.09	.002	.0005	.0000	.0001	.004	.0001
%RSD	.0756	.9866	.6081	.0675	1.195	.7387	1.170	.1531	.1390
#1	120.9	26.14	14.99	2.899	.0402	.0045	.0087	2.865	.0445
#2	120.7	25.77	14.86	2.902	.0395	.0045	.0085	2.871	.0444

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4340**	**3.414**	**-.0013**	**.0424**	**2.385**	**.0879**	**.1030**
Stddev	.0000	.012	.0029	.0006	.000	.0008	.0008
%RSD	.0064	.3441	220.4	1.436	.0073	.9087	.8073
#1	.4340	3.406	-.0034	.0419	2.385	.0873	.1036
#2	.4340	3.423	.0007	.0428	2.384	.0885	.1025

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80123.**	**17012.**	**2078.1**	**4152.7**
Stddev	497.	60.	2.4	9.0
%RSD	.62062	.35072	.11357	.21787
#1	80475.	16970.	2079.7	4159.1
#2	79772.	17054.	2076.4	4146.3

Zoom In Zoom Out

Sample Name: jb67974-20 Acquired: 6/11/2014 16:12:45 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8830**	**-.0032**	**.0017**	**.0690**	**.2710**	**.3558**	**2.011**	**.1493**	**.0141**
Stddev	.0021	.0000	.0003	.0004	.0016	.0024	.013	.0002	.0001
%RSD	.2382	.3726	15.83	.5522	.5785	.6625	.6204	.1187	.9185
#1	.8816	-.0033	.0015	.0688	.2699	.3542	2.002	.1494	.0142
#2	.8845	-.0032	.0019	.0693	.2721	.3575	2.020	.1492	.0140

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3524**	**.7352**	**.0726**	**-.0074**	**.4895**	**.0036**	**.0123**	**81.30**	**106.7**
Stddev	.0027	.0001	.0021	.0017	.0003	.0019	.0012	.33	.2
%RSD	.7656	.0120	2.956	22.68	.0538	53.03	9.746	.4034	.1841
#1	.3505	.7353	.0711	-.0062	.4893	.0049	.0114	81.06	106.6
#2	.3543	.7351	.0741	-.0086	.4897	.0022	.0131	81.53	106.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**165.3**	**40.92**	**14.13**	**8.010**	**.0860**	**.0072**	**.0126**	**3.792**	**.0355**
Stddev	.4	.03	.01	.006	.0014	.0003	.0004	.001	.0013
%RSD	.2721	.0622	.0840	.0778	1.665	4.660	3.017	.0128	3.620
#1	165.0	40.90	14.14	8.006	.0850	.0070	.0124	3.792	.0346
#2	165.6	40.93	14.12	8.014	.0870	.0075	.0129	3.792	.0365

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3711**	**7.000**	**-.0012**	**.0765**	**4.307**	**.1670**	**.1176**
Stddev	.0008	.042	.0007	.0005	.007	.0002	.0008
%RSD	.2211	.5944	58.54	.6835	.1745	.1432	.6448
#1	.3705	6.971	-.0007	.0761	4.302	.1671	.1181
#2	.3717	7.030	-.0016	.0769	4.312	.1668	.1171

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79527.**	**17097.**	**2065.5**	**4122.1**
Stddev	185.	42.	4.5	12.1
%RSD	.23228	.24336	.21793	.29284
#1	79657.	17126.	2068.7	4130.6
#2	79396.	17068.	2062.4	4113.5

Zoom In Zoom Out

Sample Name: jb67974-21 Acquired: 6/11/2014 16:15:49 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5247**	**.0002**	**.0023**	**.0350**	**.2540**	**.2648**	**2.026**	**.0887**	**.0086**
Stddev	.0018	.0001	.0002	.0002	.0025	.0010	.009	.0005	.0007
%RSD	.3414	27.76	8.439	.5653	.9691	.3762	.4459	.5722	7.962
#1	.5234	.0003	.0022	.0349	.2523	.2641	2.020	.0891	.0090
#2	.5260	.0002	.0025	.0352	.2557	.2655	2.033	.0883	.0081

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1539**	**.8533**	**.0649**	**-.0021**	**.7049**	**.0038**	**.0079**	**45.13**	**76.64**
Stddev	.0012	.0010	.0010	.0011	.0009	.0030	.0022	.12	.16
%RSD	.7608	.1226	1.503	53.07	.1287	78.68	27.29	.2746	.2117
#1	.1531	.8526	.0642	-.0029	.7055	.0059	.0094	45.04	76.53
#2	.1548	.8540	.0655	-.0013	.7042	.0017	.0064	45.22	76.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**92.88**	**48.75**	**10.97**	**4.102**	**.0455**	**.0029**	**.0082**	**2.915**	**.0999**
Stddev	.24	.54	.02	.004	.0001	.0003	.0030	.002	.0002
%RSD	.2562	1.098	.1679	.1000	.2931	11.59	36.03	.0549	.2429
#1	92.71	48.37	10.95	4.099	.0454	.0026	.0061	2.916	.0997
#2	93.04	49.13	10.98	4.105	.0456	.0031	.0103	2.913	.1001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2502**	**3.544**	**-.0035**	**.0508**	**2.198**	**.0847**	**.0947**
Stddev	.0007	.017	.0010	.0006	.012	.0002	.0016
%RSD	.2913	.4675	28.52	1.277	.5419	.2665	1.698
#1	.2496	3.532	-.0042	.0503	2.190	.0848	.0958
#2	.2507	3.555	-.0028	.0512	2.207	.0845	.0936

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80286.**	**16953.**	**2073.0**	**4180.2**
Stddev	49.	60.	9.0	13.1
%RSD	.06123	.35578	.43431	.31272
#1	80321.	16996.	2079.3	4189.4
#2	80252.	16910.	2066.6	4171.0

Zoom In Zoom Out

Sample Name: jb67974-24 Acquired: 6/11/2014 16:18:53 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.186**	**.0023**	**.0030**	**.0531**	**.4071**	**.4022**	**2.854**	**.1521**	**.0149**
Stddev	.002	.0001	.0001	.0008	.0020	.0023	.019	.0025	.0002
%RSD	.1693	3.292	4.871	1.415	.4928	.5819	.6647	1.671	1.590
#1	1.187	.0023	.0031	.0537	.4057	.4005	2.840	.1539	.0151
#2	1.184	.0024	.0029	.0526	.4085	.4038	2.867	.1503	.0147

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2366**	**1.671**	**.0808**	**.0023**	**1.159**	**.0035**	**.0111**	**84.37**	**33.83**
Stddev	.0012	.029	.0033	.0001	.018	.0005	.0024	.19	.05
%RSD	.5019	1.749	4.138	5.181	1.548	15.12	21.27	.2216	.1502
#1	.2358	1.691	.0832	.0023	1.172	.0031	.0127	84.51	33.86
#2	.2374	1.650	.0784	.0024	1.147	.0038	.0094	84.24	33.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**168.2**	**22.97**	**11.39**	**2.374**	**.0647**	**.0052**	**.0062**	**3.300**	**.0430**
Stddev	.1	.16	.05	.005	.0018	.0002	.0004	.044	.0008
%RSD	.0553	.6881	.4396	.1959	2.706	3.848	5.730	1.339	1.899
#1	168.1	23.09	11.43	2.378	.0660	.0053	.0060	3.331	.0436
#2	168.2	22.86	11.36	2.371	.0635	.0050	.0065	3.269	.0425

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2582**	**2.602**	**-.0023**	**.0309**	**1.545**	**.0681**	**.1146**
Stddev	.0002	.016	.0001	.0000	.025	.0001	.0006
%RSD	.0781	.6190	4.663	.0437	1.609	.1070	.4963
#1	.2584	2.590	-.0024	.0309	1.563	.0682	.1150
#2	.2581	2.613	-.0023	.0309	1.528	.0681	.1142

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81955.**	**17196.**	**2101.9**	**4213.9**
Stddev	119.	47.	25.4	47.4
%RSD	.14507	.27447	1.2077	1.1252
#1	82039.	17163.	2084.0	4180.4
#2	81871.	17230.	2119.9	4247.5

Zoom In Zoom Out

Sample Name: jb67974-25 Acquired: 6/11/2014 16:21:57 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.719**	**.0019**	**.0079**	**.0580**	**.2927**	**1.661**	**3.049**	**2.665**	**.0211**
Stddev	.026	.0001	.0003	.0005	.0005	.010	.011	.006	.0019
%RSD	1.517	4.399	3.887	.9424	.1838	.6013	.3685	.2379	8.842
#1	1.737	.0019	.0077	.0583	.2931	1.654	3.041	2.670	.0224
#2	1.700	.0018	.0081	.0576	.2924	1.668	3.057	2.661	.0197

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3591**	**1.896**	**.0754**	**.0024**	**3.017**	**.0072**	**.0101**	**77.89**	**58.04**
Stddev	.0022	.005	.0004	.0008	.003	.0059	.0008	1.01	.65
%RSD	.6045	.2680	.5068	32.75	.1075	81.91	7.527	1.296	1.123
#1	.3576	1.899	.0751	.0018	3.020	.0113	.0107	78.61	58.50
#2	.3607	1.892	.0757	.0029	3.015	.0030	.0096	77.18	57.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**218.4**	**25.54**	**9.768**	**2.606**	**.0555**	**.0076**	**.0092**	**3.057**	**.0774**
Stddev	2.5	.37	.129	.056	.0003	.0000	.0011	.006	.0005
%RSD	1.148	1.466	1.322	2.138	.6177	.2226	11.82	.1936	.6260
#1	220.2	25.81	9.859	2.645	.0552	.0076	.0099	3.062	.0778
#2	216.6	25.28	9.677	2.566	.0557	.0076	.0084	3.053	.0771

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3309**	**2.063**	**-.0033**	**.0241**	**2.844**	**.0688**	**.1220**
Stddev	.0037	.005	.0012	.0000	.007	.0012	.0009
%RSD	1.130	.2280	35.90	.0071	.2652	1.716	.7607
#1	.3335	2.059	-.0025	.0241	2.849	.0679	.1227
#2	.3282	2.066	-.0042	.0241	2.838	.0696	.1213

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81305.**	**17039.**	**2094.7**	**4250.3**
Stddev	504.	103.	.2	2.1
%RSD	.61952	.60486	.01015	.04936
#1	81661.	16966.	2094.8	4251.8
#2	80949.	17112.	2094.5	4248.8

Zoom In Zoom Out

Sample Name: jb67974-26 Acquired: 6/11/2014 16:25:01 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.146**	**.0005**	**.0027**	**.0558**	**.2255**	**.4024**	**3.534**	**.1483**	**.0141**
Stddev	.011	.0001	.0001	.0002	.0017	.0042	.017	.0005	.0011
%RSD	.9120	27.21	3.720	.3213	.7651	1.055	.4859	.3296	7.485
#1	1.153	.0004	.0027	.0559	.2243	.3994	3.522	.1480	.0148
#2	1.139	.0006	.0026	.0556	.2267	.4054	3.546	.1487	.0133

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2438**	**1.300**	**.0723**	**-.0000**	**1.236**	**.0025**	**.0103**	**79.63**	**28.21**
Stddev	.0015	.003	.0006	.0005	.001	.0000	.0008	.69	.21
%RSD	.6034	.2201	.8096	1138.	.0440	.6999	7.905	.8663	.7272
#1	.2428	1.298	.0719	-.0004	1.236	.0025	.0097	80.11	28.36
#2	.2449	1.302	.0728	.0003	1.237	.0025	.0108	79.14	28.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**149.0**	**26.85**	**11.57**	**2.624**	**.0465**	**.0046**	**.0056**	**2.898**	**.0369**
Stddev	1.3	.19	.10	.031	.0000	.0000	.0024	.002	.0003
%RSD	.9054	.7141	.8298	1.168	.0049	.3613	42.80	.0570	.9416
#1	149.9	26.99	11.64	2.646	.0465	.0046	.0073	2.897	.0371
#2	148.0	26.71	11.51	2.603	.0465	.0046	.0039	2.899	.0366

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1964**	**3.832**	**-.0068**	**.0370**	**1.156**	**.0939**	**.1367**
Stddev	.0017	.014	.0022	.0004	.010	.0001	.0019
%RSD	.8410	.3708	32.87	1.107	.8663	.0902	1.394
#1	.1976	3.822	-.0083	.0367	1.149	.0939	.1380
#2	.1953	3.843	-.0052	.0373	1.164	.0940	.1353

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81911.**	**17091.**	**2115.7**	**4265.2**
Stddev	114.	133.	9.1	15.8
%RSD	.13877	.77926	.43036	.37130
#1	81991.	16997.	2122.1	4276.4
#2	81830.	17185.	2109.3	4254.0

Zoom In Zoom Out

Sample Name: jb68729-1 Acquired: 6/11/2014 16:28:17 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.648**	**.0038**	**-.0719**	**.0441**	**.1487**	**.2482**	**2.413**	**.0935**	**.0121**
Stddev	.004	.0001	.0007	.0003	.0009	.0008	.008	.0003	.0008
%RSD	.2595	1.839	.9336	.6472	.5782	.3069	.3382	.2834	6.224
#1	1.651	.0037	-.0715	.0443	.1493	.2476	2.419	.0937	.0116
#2	1.645	.0038	-.0724	.0439	.1481	.2487	2.408	.0933	.0127

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1756**	**1.366**	**28.91**	**-.0114**	**1.122**	**.0069**	**.0821**	**129.6**	**39.81**
Stddev	.0017	.002	.05	.0001	.005	.0019	.0003	.1	.02
%RSD	.9776	.1776	.1833	1.098	.4331	28.20	.3750	.0783	.0485
#1	.1768	1.368	28.95	-.0113	1.125	.0055	.0818	129.7	39.79
#2	.1744	1.364	28.88	-.0114	1.119	.0083	.0823	129.5	39.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**159.2**	**13.72**	**10.89**	**8.007**	**.0306**	**.0074**	**-.0009**	**2.794**	**.0375**
Stddev	.3	.22	.06	.034	.0002	.0001	.0001	.001	.0003
%RSD	.1838	1.636	.5648	.4184	.5984	1.950	14.61	.0218	.9034
#1	159.0	13.56	10.93	8.031	.0308	.0075	-.0008	2.795	.0373
#2	159.4	13.88	10.84	7.983	.0305	.0073	-.0010	2.794	.0378

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2671**	**3.839**	**-.0046**	**.0217**	**6.562**	**.1060**	**.0773**
Stddev	.0005	.015	.0011	.0001	.004	.0016	.0002
%RSD	.1750	.3888	22.81	.4816	.0640	1.543	.2981
#1	.2674	3.849	-.0054	.0216	6.559	.1071	.0774
#2	.2667	3.828	-.0039	.0217	6.565	.1048	.0771

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94310.**	**19940.**	**2425.6**	**4194.7**
Stddev	327.	95.	4.8	5.7
%RSD	.34722	.47680	.19584	.13590
#1	94079.	20007.	2429.0	4198.8
#2	94542.	19873.	2422.3	4190.7

Zoom In Zoom Out

Sample Name: jb68729-2 Acquired: 6/11/2014 16:31:15 Type: Unk
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8285**	**.0023**	**.0038**	**.1004**	**.3116**	**.3219**	**5.161**	**.1214**	**.0132**
Stddev	.0060	.0000	.0003	.0002	.0006	.0024	.049	.0001	.0014
%RSD	.7234	1.535	7.063	.1759	.1996	.7384	.9446	.0564	10.84
#1	.8328	.0022	.0040	.1003	.3112	.3202	5.126	.1215	.0142
#2	.8243	.0023	.0036	.1006	.3121	.3235	5.195	.1214	.0122

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3330**	**.9993**	**.0578**	**-.0040**	**.3653**	**.0095**	**.0104**	**153.3**	**64.92**
Stddev	.0026	.0012	.0002	.0006	.0030	.0017	.0018	1.0	.33
%RSD	.7778	.1180	.2693	15.34	.8321	18.14	17.50	.6487	.5095
#1	.3311	1.000	.0579	-.0036	.3674	.0107	.0117	154.0	65.15
#2	.3348	.9985	.0577	-.0044	.3631	.0083	.0091	152.6	64.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**173.8**	**23.42**	**18.20**	**2.490**	**.0235**	**.0049**	**.0028**	**2.753**	**.0267**
Stddev	1.0	.39	.10	.012	.0007	.0001	.0005	.000	.0017
%RSD	.5544	1.658	.5678	.4729	3.036	2.176	16.34	.0116	6.278
#1	174.5	23.70	18.27	2.498	.0230	.0050	.0025	2.752	.0279
#2	173.1	23.15	18.13	2.481	.0240	.0048	.0031	2.753	.0255

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3514**	**4.696**	**-.0074**	**.0283**	**3.177**	**.1241**	**.0720**
Stddev	.0020	.018	.0000	.0001	.003	.0012	.0012
%RSD	.5753	.3822	.0637	.2512	.0792	.9933	1.674
#1	.3528	4.683	-.0074	.0282	3.175	.1232	.0728
#2	.3499	4.709	-.0074	.0283	3.178	.1250	.0711

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87970.**	**18829.**	**2318.4**	**4156.2**
Stddev	182.	132.	7.9	4.0
%RSD	.20738	.70354	.34229	.09622
#1	88099.	18735.	2324.1	4159.0
#2	87841.	18922.	2312.8	4153.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 16:34:24 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.181**	**2.131**	**2.103**	**2.097**	**2.143**	**2.057**	**2.137**	**2.099**	**.2578**
Stddev	.043	.040	.006	.003	.008	.011	.008	.003	.0003
%RSD	1.955	1.857	.2745	.1287	.3839	.5301	.3638	.1583	.1040
#1	2.211	2.159	2.107	2.099	2.137	2.050	2.131	2.101	.2580
#2	2.151	2.103	2.099	2.095	2.148	2.065	2.142	2.096	.2577
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	**2.078**	**2.123**	**2.086**	**2.137**	**2.131**	**2.081**	**2.106**	**42.32**	**42.42**
Stddev	.011	.004	.005	.002	.001	.004	.005	.84	.81
%RSD	.5075	.1722	.2489	.0735	.0538	.1759	.2551	1.996	1.909
#1	2.070	2.126	2.089	2.138	2.131	2.084	2.109	42.92	42.99
#2	2.085	2.121	2.082	2.136	2.130	2.079	2.102	41.72	41.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.02**	**38.07**	**42.13**	**42.92**	**2.125**	**2.109**	**2.087**	**5.198**	**2.141**
Stddev	.83	.76	.84	.85	.003	.005	.007	.006	.006
%RSD	1.967	2.006	1.984	1.983	.1318	.2431	.3443	.1078	.2776
#1	42.61	38.61	42.72	43.52	2.127	2.112	2.082	5.202	2.146
#2	41.44	37.53	41.54	42.31	2.124	2.105	2.093	5.194	2.137
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: 6/11/2014 16:34:24 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.149**	**2.089**	**2.044**	**2.085**	**2.055**	**2.114**	**2.114**
Stddev	.040	.009	.019	.010	.002	.002	.041
%RSD	1.838	.4547	.9121	.4854	.1098	.1046	1.932
#1	2.177	2.082	2.057	2.078	2.053	2.115	2.143
#2	2.122	2.096	2.031	2.092	2.056	2.112	2.085
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	**77349.**	**16204.**	**2026.4**	**4097.1**
Stddev	163.	404.	8.5	14.7
%RSD	.21032	2.4906	.41731	.35876
#1	77234.	15919.	2020.4	4086.7
#2	77464.	16490.	2032.4	4107.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 16:37:20 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	**-.0003**	**.0002**	**-.0001**	**.0002**	**.0001**	**-.0001**	**-.0006**
Stddev	.0002	.0001	.0003	.0002	.0003	.0004	.0000	.0003	.0005
%RSD	55.39	101.8	117.8	98.86	408.1	203.1	7.126	517.4	85.75
#1	.0002	.0002	-.0000	.0004	.0001	-.0001	.0001	.0001	-.0009
#2	.0005	.0000	-.0005	.0001	-.0003	.0005	.0001	-.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									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0006**	F **.0035**	**-.0001**	**.0017**	**.0015**	**.0018**	**.0104**	**.0006**
Stddev	.0001	.0001	.0007	.0010	.0016	.0010	.0002	.0067	.0019
%RSD	37.59	9.519	19.78	1028.	93.51	68.32	12.25	64.69	293.0
#1	.0001	.0007	.0030	-.0008	.0029	.0008	.0017	.0056	-.0007
#2	.0002	.0006	.0040	.0006	.0006	.0022	.0020	.0151	.0019
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0027						
Low Limit			-.0027						

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079**	**.0570**	**.0516**	**-.0372**	**.0009**	**.0009**	**.0013**	**.0019**	**-.0010**
Stddev	.0020	.0698	.0164	.0051	.0003	.0000	.0021	.0010	.0005
%RSD	24.64	122.3	31.85	13.68	37.26	.1619	166.3	52.35	45.53
#1	.0093	.1064	.0632	-.0336	.0011	.0009	-.0002	.0012	-.0007
#2	.0066	.0077	.0400	-.0408	.0006	.0009	.0027	.0026	-.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: 6/11/2014 16:37:20 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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 **.0137**	**.0004**	**.0017**	**.0001**	**-.0015**
Stddev	.0000	.0004	.0033	.0000	.0001	.0026	.0011
%RSD	47.47	203.3	23.99	9.245	5.896	2759.	69.42
#1	.0001	-.0004	.0114	.0004	.0018	.0019	-.0023
#2	.0001	.0001	.0160	.0005	.0016	-.0018	-.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	**81910.**	**16578.**	**2105.6**	**4586.1**
Stddev	521.	78.	5.6	11.7
%RSD	.63589	.47231	.26486	.25465
#1	82279.	16633.	2101.6	4577.9
#2	81542.	16523.	2109.5	4594.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/11/2014 16:40:33 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2227**	**.0021**	**.0035**	**.0537**	**.0110**	**.0107**	**.0168**	**.0102**	**.0043**
Stddev	.0010	.0000	.0002	.0003	.0003	.0004	.0002	.0001	.0003
%RSD	.4300	.3957	6.090	.5102	2.992	3.313	1.122	.8871	7.749
#1	.2234	.0021	.0033	.0535	.0108	.0104	.0167	.0102	.0041
#2	.2221	.0021	.0036	.0539	.0113	.0109	.0169	.0101	.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	**.0539**	**.0249**	**.0091**	**.0098**	**.0032**	F **.0141**	**.0068**	**.2306**	**5.392**
Stddev	.0006	.0000	.0005	.0019	.0010	.0005	.0025	.0008	.010
%RSD	1.096	.1049	5.536	19.33	29.85	3.605	36.94	.3556	.1870
#1	.0535	.0249	.0095	.0112	.0039	.0138	.0050	.2312	5.399
#2	.0543	.0249	.0087	.0085	.0026	.0145	.0086	.2301	5.385
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	**.1126**	**5.144**	**5.405**	**5.351**	**.1126**	**.0217**	**.0574**	**.2207**	**.0109**
Stddev	.0009	.230	.061	.040	.0014	.0002	.0002	.0011	.0002
%RSD	.8086	4.472	1.135	.7405	1.260	.9142	.3527	.5196	1.557
#1	.1132	4.982	5.448	5.379	.1116	.0218	.0572	.2198	.0111
#2	.1119	5.307	5.362	5.323	.1137	.0215	.0575	.2215	.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: 6/11/2014 16:40:33 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0113**	**.0109**	**.0591**	**.0110**	**.0525**	**.0219**	**.0206**
Stddev	.0000	.0002	.0025	.0003	.0003	.0007	.0002
%RSD	.1611	1.469	4.310	2.354	.5374	3.099	.8355
#1	.0113	.0108	.0573	.0108	.0527	.0215	.0207
#2	.0113	.0110	.0609	.0112	.0523	.0224	.0205
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	**81089.**	**16394.**	**2084.9**	**4462.9**
Stddev	741.	189.	1.6	.7
%RSD	.91423	1.1523	.07528	.01637
#1	81613.	16261.	2086.0	4463.4
#2	80565.	16528.	2083.7	4462.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 16:43:43 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0009**	**.0010**	**.0032**	F **.0011**	**.0018**	**.0034**	**.0046**
Stddev	.0001	.0000	.0004	.0003	.0000	.0001	.0001	.0001
%RSD	3.354	1.704	35.81	8.632	3.566	4.033	1.460	2.644
#1	.0046	.0009	.0008	.0030	.0011	.0018	.0035	.0047
#2	.0043	.0009	.0013	.0034	.0012	.0017	.0034	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value					.0020			
Range					-30.00%			

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0002**	**.0022**	F **.0135**	F **.0041**	F **.0029**	F **.0038**	**.0040**	**.0026**
Stddev	.0001	.0001	.0001	.0006	.0013	.0009	.0004	.0011
%RSD	85.24	5.405	.9530	13.48	43.84	22.63	10.94	43.38
#1	-.0001	.0021	.0134	.0037	.0038	.0032	.0043	.0034
#2	-.0003	.0023	.0136	.0045	.0020	.0044	.0037	.0018
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value	.0010		.0100	.0030	.0020	.0025		
Range	-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	**.1148**	**1.107**	**.0034**	F **-.0148**	**2.238**	**1.071**	**.0109**	**-.0002**
Stddev	.0009	.020	.0009	.0644	.017	.018	.0005	.0000
%RSD	.7494	1.828	26.36	433.4	.7716	1.719	4.697	10.72
#1	.1142	1.093	.0028	-.0604	2.225	1.058	.0113	-.0002
#2	.1154	1.121	.0040	.0307	2.250	1.084	.0106	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value				.1000				
Range				-30.00%				

Zoom In Zoom Out

Sample Name: crid Acquired: 6/11/2014 16:43:43 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**-.0003**	**-.0005**	**-.0000**	**.0001**	F **-.0073**	F **.0000**	**.0030**
Stddev	.0008	.0005	.0016	.0001	.0005	.0002	.0001	.0015
%RSD	94.82	171.8	298.0	377.2	486.3	2.714	125.2	49.43
#1	.0013	-.0006	-.0017	.0000	.0005	-.0074	.0000	.0041
#2	.0003	.0001	.0006	-.0001	-.0003	-.0072	.0001	.0020
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						-30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0003**	F **-.0038**
Stddev	.0003	.0004
%RSD	84.67	10.27
#1	.0001	-.0035
#2	.0006	-.0040
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	**81585.**	**16614.**	**2092.3**	**4539.6**
Stddev	533.	308.	13.4	23.9
%RSD	.65336	1.8545	.64147	.52704
#1	81962.	16832.	2101.8	4556.6
#2	81208.	16396.	2082.8	4522.7

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 16:46:54 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**-.0003**	**-.0002**	**-.0008**	**-.0009**	**.0001**	**.0005**	**-.0005**
Stddev	.0000	.0001	.0002	.0003	.0005	.0004	.0000	.0002	.0000
%RSD	20.61	56.02	62.05	141.2	70.32	44.80	6.886	38.54	1.090
#1	.0001	-.0001	-.0004	-.0000	-.0004	-.0006	.0001	.0003	-.0005
#2	.0002	-.0001	-.0002	-.0005	-.0012	-.0012	.0001	.0006	-.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	**.0002**	**.0018**	**.0214**	**.0010**	**.0230**	**.0222**	**.0207**	**.5387**	**.0055**
Stddev	.0000	.0002	.0015	.0030	.0004	.0001	.0004	.0015	.0017
%RSD	2.099	9.978	7.118	305.2	1.637	.4015	1.808	.2757	30.65
#1	.0002	.0016	.0203	-.0011	.0232	.0222	.0204	.5376	.0067
#2	.0002	.0019	.0225	.0031	.0227	.0223	.0209	.5397	.0043
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5396**	**.0516**	**.0397**	**-.0486**	**-.0000**	**-.0001**	**.0005**	**.0025**	**-.0003**
Stddev	.0034	.0821	.0267	.0020	.0005	.0001	.0017	.0003	.0005
%RSD	.6244	159.2	67.28	4.076	1535.	94.37	346.7	13.62	129.1
#1	.5372	.1097	.0586	-.0500	.0003	-.0002	.0017	.0027	-.0000
#2	.5420	-.0065	.0208	-.0472	-.0004	-.0000	-.0007	.0022	-.0007
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/11/2014 16:46:54 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**-.0074**	**-.0001**	**.0032**	**-.0004**	**-.0014**
Stddev	.0001	.0002	.0002	.0002	.0025	.0001	.0011
%RSD	404.7	104.0	2.732	110.2	77.90	39.90	77.30
#1	-.0000	-.0004	-.0075	-.0002	.0014	-.0005	-.0006
#2	.0001	-.0001	-.0072	-.0000	.0050	-.0003	-.0022
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	**82603.**	**16466.**	**2107.2**	**4584.7**
Stddev	663.	58.	1.3	.0
%RSD	.80273	.35516	.06363	.00055
#1	83072.	16507.	2108.1	4584.7
#2	82134.	16424.	2106.3	4584.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/11/2014 16:50:06 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: 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**	**.0018**	**.0000**	**-.0003**	**-.0027**	**.0027**	**.0006**	**.0064**
Stddev	.0000	.0001	.0001	.0013	.0001	.0001	.0000	.0011	.0014
%RSD	2.662	28.95	6.355	6902.	43.02	2.801	1.493	189.6	22.65
#1	-.0014	-.0002	.0017	-.0009	-.0004	-.0028	.0027	-.0002	.0054
#2	-.0014	-.0003	.0019	.0009	-.0002	-.0026	.0027	.0014	.0074
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**	**.0017**	**-.0004**	**.0010**	**.0057**	**.0107**	**528.0**	**396.3**
Stddev	.0004	.0002	.0009	.0038	.0019	.0035	.0020	4.2	6.2
%RSD	375.2	59.02	52.80	965.7	184.4	60.50	18.97	.7899	1.563
#1	.0004	.0005	.0023	.0023	-.0003	.0081	.0122	530.9	391.9
#2	-.0002	.0002	.0010	-.0031	.0024	.0033	.0093	525.0	400.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**196.8**	**532.0**	**.2334**	**-.0637**	**-.0048**	**-.0014**	**.0197**	**-.0179**	**-.0030**
Stddev	.1	1.3	.0186	.0084	.0009	.0001	.0024	.0009	.0000
%RSD	.0706	.2476	7.966	13.22	18.12	7.025	12.35	4.955	.2531
#1	196.9	532.9	.2202	-.0696	-.0042	-.0013	.0180	-.0173	-.0030
#2	196.7	531.0	.2465	-.0577	-.0054	-.0015	.0214	-.0186	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/11/2014 16:50:06 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0005**	**-.0045**	**-.0001**	**-.0137**	**.0243**	**.0075**
Stddev	.0003	.0005	.0016	.0001	.0002	.0025	.0000
%RSD	5.009	97.51	35.18	106.8	1.144	10.10	.2972
#1	-.0050	.0002	-.0034	-.0002	-.0138	.0225	.0075
#2	-.0054	.0009	-.0056	-.0000	-.0136	.0260	.0075
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	**70562.**	**15923.**	**1859.4**	**3613.6**
Stddev	407.	46.	1.2	.2
%RSD	.57680	.28838	.06718	.00517
#1	70274.	15956.	1860.3	3613.5
#2	70850.	15891.	1858.5	3613.8

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/11/2014 16:53:25 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5366**	**.5189**	**1.071**	**.5137**	**.5137**	**.5365**	**.5280**	**1.024**	**1.066**
Stddev	.0028	.0001	.004	.0021	.0032	.0009	.0013	.001	.004
%RSD	.5172	.0211	.3437	.4053	.6313	.1628	.2433	.0450	.3576
#1	.5347	.5188	1.068	.5152	.5114	.5371	.5271	1.024	1.063
#2	.5386	.5190	1.073	.5123	.5160	.5358	.5289	1.024	1.068
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	**.4962**	**1.009**	**1.134**	**1.009**	**1.024**	**1.071**	**1.109**	**532.9**	**399.1**
Stddev	.0022	.002	.002	.001	.001	.005	.004	6.3	1.4
%RSD	.4398	.1605	.1609	.0704	.0925	.4389	.3416	1.187	.3618
#1	.4946	1.010	1.135	1.010	1.025	1.068	1.112	528.4	398.1
#2	.4977	1.008	1.132	1.009	1.023	1.074	1.106	537.3	400.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**200.6**	**531.5**	**.2107**	**-.0549**	**-.0041**	**.5189**	**.5569**	**-.0210**	**-.0032**
Stddev	.5	5.1	.0144	.0067	.0019	.0002	.0028	.0034	.0011
%RSD	.2477	.9647	6.838	12.20	45.51	.0450	.4940	16.16	33.61
#1	200.3	527.9	.2005	-.0501	-.0054	.5187	.5550	-.0234	-.0024
#2	201.0	535.2	.2209	-.0596	-.0028	.5190	.5588	-.0186	-.0040
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 6/11/2014 16:53:25 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**.0008**	**.5750**	F **.0004**	**.5076**	**.5553**	**.5700**
Stddev	.0002	.0002	.0002	.0001	.0006	.0000	.0031
%RSD	4.283	25.84	.0355	29.18	.1175	.0086	.5459
#1	-.0055	.0010	.5749	.0003	.5072	.5553	.5678
#2	-.0052	.0007	.5752	.0005	.5080	.5553	.5722
Check ?	None	None	Chk Pass	Chk Fail	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	**70669.**	**15892.**	**1850.0**	**3599.5**
Stddev	408.	46.	1.5	2.2
%RSD	.57770	.29221	.07988	.06114
#1	70958.	15924.	1851.1	3601.1
#2	70380.	15859.	1849.0	3598.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/11/2014 16:56:33 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.139**	**2.091**	**2.104**	**2.093**	**2.132**	**2.042**	**2.122**	**2.097**	**.2553**
Stddev	.002	.003	.008	.004	.007	.010	.005	.003	.0018
%RSD	.1139	.1563	.3911	.1764	.3361	.4903	.2495	.1341	.7016
#1	2.137	2.089	2.098	2.090	2.127	2.035	2.119	2.095	.2541
#2	2.141	2.094	2.109	2.095	2.137	2.049	2.126	2.099	.2566
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	**2.065**	**2.124**	**2.083**	**2.136**	**2.131**	**2.074**	**2.100**	**41.49**	**41.60**
Stddev	.005	.003	.005	.003	.005	.000	.009	.10	.02
%RSD	.2596	.1291	.2569	.1583	.2502	.0027	.4443	.2421	.0456
#1	2.061	2.122	2.080	2.134	2.128	2.074	2.093	41.41	41.59
#2	2.068	2.126	2.087	2.139	2.135	2.074	2.106	41.56	41.62
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	**41.24**	**36.96**	**41.26**	**42.13**	**2.118**	**2.106**	**2.073**	**5.190**	**2.138**
Stddev	.07	.15	.13	.01	.007	.006	.007	.020	.002
%RSD	.1737	.4056	.3131	.0248	.3202	.2905	.3599	.3894	.0978
#1	41.18	37.06	41.36	42.12	2.113	2.101	2.067	5.175	2.137
#2	41.29	36.85	41.17	42.14	2.122	2.110	2.078	5.204	2.140
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: 6/11/2014 16:56:33 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.110**	**2.073**	**2.040**	**2.067**	**2.050**	**2.108**	**2.079**
Stddev	.005	.004	.008	.006	.010	.012	.001
%RSD	.2388	.2151	.4011	.2851	.4780	.5676	.0226
#1	2.106	2.070	2.046	2.063	2.043	2.100	2.078
#2	2.114	2.076	2.034	2.071	2.057	2.117	2.079
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	**77588.**	**16400.**	**2028.7**	**4104.0**
Stddev	75.	30.	5.8	6.9
%RSD	.09662	.18387	.28826	.16883
#1	77535.	16421.	2032.8	4108.9
#2	77641.	16379.	2024.5	4099.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/11/2014 16:59:29 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0000**	**.0003**	**-.0005**	**-.0000**	**.0001**	**.0004**	**-.0007**
Stddev	.0001	.0000	.0002	.0000	.0003	.0001	.0001	.0001	.0007
%RSD	46.87	8.213	705.6	11.40	59.06	131.5	47.36	31.64	94.70
#1	.0003	.0001	.0002	.0003	-.0003	-.0000	.0001	.0003	-.0012
#2	.0001	.0001	-.0001	.0003	-.0007	-.0001	.0002	.0004	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0007**	**.0020**	**-.0001**	**.0003**	**.0010**	**.0016**	**.0192**	**.0021**
Stddev	.0006	.0001	.0001	.0004	.0003	.0011	.0000	.0001	.0011
%RSD	261.2	8.257	4.081	254.3	91.34	117.0	2.708	.7098	54.31
#1	.0006	.0006	.0021	-.0004	.0001	.0018	.0015	.0193	.0013
#2	-.0002	.0007	.0020	.0001	.0005	.0002	.0016	.0191	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0057**	**-.1385**	**.0526**	**-.0304**	**.0005**	**.0007**	**.0018**	**.0013**	**-.0011**
Stddev	.0000	.0597	.0175	.0029	.0002	.0002	.0007	.0003	.0012
%RSD	.3843	43.11	33.25	9.364	39.46	26.29	39.03	25.47	108.7
#1	.0057	-.0963	.0402	-.0284	.0003	.0006	.0013	.0010	-.0019
#2	.0057	-.1807	.0650	-.0325	.0006	.0008	.0024	.0015	-.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: 6/11/2014 16:59:29 Type: QC
Method: Accutest 2(v84) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 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**	**-.0005**	F **.0143**	**.0005**	**.0026**	**.0002**	**-.0006**
Stddev	.0000	.0002	.0032	.0002	.0015	.0017	.0014
%RSD	52.47	48.74	22.75	46.13	55.73	1015.	223.3
#1	.0000	-.0003	.0120	.0006	.0016	-.0010	.0004
#2	.0000	-.0006	.0166	.0003	.0037	.0013	-.0016
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	**82013.**	**16476.**	**2097.3**	**4569.8**
Stddev	175.	58.	1.9	9.0
%RSD	.21327	.35191	.08948	.19624
#1	82137.	16517.	2098.7	4576.2
#2	81890.	16435.	2096.0	4563.5

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	0.026000	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	-0.000096	0.000000	No
			V	-0.021000	0.000000	No
			Mn	0.001350	0.000000	No
			Si	-0.000204	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.001166	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	-0.000364	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	0.020000	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	-0.000415	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	0.000000	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}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.006184	1.556412	0.000000	1.000000
Be 313.042 {108}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000140	1.260353	0.000000	1.000000
Cd 228.802 {448}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000192	0.747990	0.000000	1.000000
Co 228.616 {448}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000022	0.449829	0.000000	1.000000
Cr 267.716 {126}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000035	0.084226	0.000000	1.000000
Cu 324.754 {104}2	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.005361	0.178879	0.000000	1.000000
Mn 257.610 {131}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000048	0.495094	0.000000	1.000000
Ni 231.604 {446}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000181	0.335075	0.000000	1.000000
Ag 328.068 {103}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000214	0.113109	0.000000	1.000000
V 292.402 {115}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000014	0.130994	0.000000	1.000000
Zn 206.200 {464}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000018	1.019057	0.000000	1.000000
As 189.042 {478}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000073	0.091908	0.000000	1.000000
Tl 190.856 {477}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000026	0.051548	0.000000	1.000000
Pb 220.353 {453}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000087	0.145581	0.000000	1.000000
Se 196.090 {472}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000304	0.071330	0.000000	1.000000
Sb 206.833 {463}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000310	0.142744	0.000000	1.000000
Al 396.152 { 85}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000308	0.033186	0.000000	1.000000
Ca 317.933 {106}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.006244	0.043006	0.000000	1.000000
Fe 259.940 {130}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000030	0.023954	0.000000	1.000000
Mg 279.079 {121}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000057	0.000546	0.000000	1.000000
K 766.490 { 44}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.003750	0.024678	0.000000	1.000000
Na 589.592 { 57}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000332	0.086781	0.000000	1.000000
B 208.959 {462}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000135	0.200677	0.000000	1.000000
Mo 202.030 {467}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000404	0.775038	0.000000	1.000000
Pd 340.458 { 99}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000524	0.046776	0.000000	1.000000
Si 212.412 {459}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.002370	0.213383	0.000000	1.000000
Sn 189.989 {478}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000149	0.170158	0.000000	1.000000
Sr 407.771 { 83}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000046	2.719969	0.000000	1.000000
Ti 334.904 {101}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000241	0.121092	0.000000	1.000000
Y 360.073 { 94}*	6/12/2014 9:45:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/12/2014 9:45:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/12/2014 9:45:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/12/2014 9:45:23	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.005318	0.344907	0.000000	1.000000
Zr 339.198 { 99}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.000164	0.308537	0.000000	1.000000
S 182.034 {485}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.000230	0.055076	0.000000	1.000000
Bi 223.061 {451}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	-0.001098	0.189078	0.000000	1.000000
Li 670.784 { 50}	6/12/2014 9:45:23	6/11/2014 11:14:08	Linear	1/Conc	0.002327	0.560592	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	0.000285	0.000951	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000123	0.000410	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000320	0.001068	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000387	0.001291	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000530	0.001767	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000555	0.001851	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000080	0.000266	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000450	0.001501	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000779	0.002598	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000435	0.001451	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000216	0.000721	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001834	0.006114	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001763	0.005875	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001515	0.005050	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003137	0.010456	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001980	0.006601	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.012261	0.040868	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.004509	0.015031	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.003850	0.012834	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.217331	0.724436	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.036559	0.121864	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.010252	0.034172	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000994	0.003314	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000317	0.001056	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001748	0.005828	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001327	0.004422	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001009	0.003363	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	0.000655	0.002185	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	0.001415	0.004716	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000265	0.000885	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003404	0.011347	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001947	0.006489	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001618	0.005392	OK.	1.000000	0.000000	1	0

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	Y			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	Y			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	Y			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	JB67991-16								
25	-21								
26	JB68265-22								
27	JB67898-4								
28	JB67897-7								
29	JB67912-11A								
30	JB67996-6								
31	JB67981-14								
32	JB64500-35								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								

ANALYST: [signature] DATE: 6/5/14
QC REVIEWER: ___ DATE: ___

Form GN022A-02
Revision Date: 03/25/13

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: ___

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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

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ACCUTEST LABORATORIES JB67976

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 #:	MA34211
Analyst:	JW
Date:	6/11/2014
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: 10:30 Temp: 95° End Time: 1:30 Temp: 95° Tubes 17051
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	MP79976-MB1	0.6000					MP79976	
5	MP79976-LC1	0.1014						
6	MP79976-S1	0.6421		2.0ml	Y	0.1		JB67912-9A
7	MP79976-S2	0.6427		2.0ml	Y	0.1		JB67912-9A
8	JB67898-1	0.6578						
9	JB67898-2	0.6124						
10	JB67897-1	0.6949						
11	JB67897-3	0.6114						
12	JB67897-4	0.6670						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB67897-5	0.6093						
14	JB67897-8	0.6315						
15	JB67897-2A	0.6281						
16	JB67897-6A	0.6760						
17	JB67912-2A	0.6165						
18	JB67912-3A	0.6088						
19	JB67912-6A	0.6110						
20	JB67912-9A	0.6395						
21	JB67912-20A	0.6640						
22	JB67912-22A	0.6013						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB67912-24A	0.6541						
24	JB67912-28A	0.6034						
25	JB67912-29A	0.6283						
26	JB67912-31A	0.6811						
27	JB67587-11R	0.6304						
28	MP79977-MB1	0.6000					MP79977	
29	MP79977-LC1	0.1012						
30	MP79977-S1	0.6707		2.0ml	Y	0.1		JB68561-1
31	MP79977-S2	0.6191		2.0ml	Y	0.1		JB68561-1
32	JB68561-1	0.6680						
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/11/14
DATE: _____

ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34211
Analyst:	JW
Date:	6/11/2014
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: 10:30 Temp: 95°C End Time: 11:00 Temp: 95°C Tubes 1 to 51
Hot:Block#: 3 Hot:Block: Start Time: 10:00 Temp: 95 End Time: 10:30 T Temp: Tubes 52 to 97

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	JB67929-1A	0.6449	100					
34	JB67929-2A	0.6619						
35	JB67929-3A	0.6253						
36	JB67929-4A	0.6095						
37	JB67929-5A	0.6096						
38	JB67929-6A	0.6757						
39	JB67268-2	0.6018						
40	JB67976-1	0.6254						
41	JB67976-2	0.6610						
42	JB67976-3	0.6733						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JB67976-4	0.6291						
44	JB67976-5	0.6156						
45	JB67976-8	0.6467						
46	JB67976-9	0.6273						
47	JB67976-10	0.6204						
48	JB67976-11	0.6172						
49	JB67976-12	0.6642						
50	JB68561-3	0.6514						
51	JB68561-5	0.6453						
52	MP79978-MB1	0.6000					MP79978	
	CCV			2.5 ml	Y	0.1		
	CCB							
53	MP79978-LC1	0.1008						
54	MP79978-S1	0.6130		2.0ml	Y	0.1		JB68603-1A
55	MP79978-S2	0.6214		2.0ml	Y	0.1		JB68603-1A
56	JB68603-1A	0.6412						
57	JB68602-1A	0.653						
58	JB68604-1A	0.6757						
59	JB68822-1A	0.6463						
60	JB68823-1A	0.6739						
61	JB68824-1A	0.6814						
62	JB68829-1	0.6092						
	CCV			2.5 ml	Y	0.1		
	CCB							
63	JB68829-2	0.6705						
64	JB68829-3	0.6233						
65	JB68829-4	0.6372						
66	JB68829-5	0.6699						

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____
QC REVIEWER: _____

DATE: 6/11/14
DATE: _____

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34211
Analyst:	JW
Date:	6/11/2014
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: 95.1 End Time: 12:30 Temp: 95.1 Tubes 52 to 97
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	JB67999-7A	0.6230	100					
68	JB67999-11A	0.6092						
69	JB67999-13A	0.6443						
70	JB67999-18A	0.6618						
71	JB67999-21A	0.6547						
72	JB67999-22A	0.6221						
	CCV			2.5 ml	Y	0.1		
	CCB							
73	JB67941-1	0.6472						
74	MP79990-MB1	0.6000					MP79990	
75	MP79990-LC1	0.1007						
76	MP79990-S1	0.6243		2.0ml	Y	0.1		JB67981-8
77	MP79990-S2	0.6558		2.0ml	Y	0.1		JB67981-8
78	JB67981-8	0.6479						
79	JB67981-1	0.6020						
80	JB67981-2	0.6202						
81	JB67981-3	0.6379						
82	JB67981-4	0.6206						
	CCV			2.5 ml		0.1		
	CCB							
83	JB67981-5	0.6716						
84	JB67981-6	0.6420						
85	JB67981-9	0.6300						
86	JB67981-10	0.6099						
87	JB67981-11	0.6301						
88	JB67981-12	0.6744						
89	JB67981-7A	0.6437						
90	JB67981-13A	0.6387						
91	JB68935-7A	0.6720						
92	JB68935-14A	0.6336						
	CCV			2.5 ml		0.1		
	CCB							
93	JB68938-9A	0.6961						
94	JB68938-16A	0.6462						
95	JB68938-21A	0.6532						
96	JB68899-1	0.6436						
97	JB68899-2	0.6354						
98								
99								
100								
101								
102								
	CCV			2.5 ml		0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/11/14
QC REVIEWER: _____ DATE: _____

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ACCUTEST

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

MA Batch #:	MA34211
Analyst:	JW
Date:	6/11/2014
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: 95.0 End Time: 10:30 T Temp: 95.1 Tubes 1 to 51
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:** 6/11/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

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ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34211

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	6/12/14	HG-1450-69 --HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA J01211
STD Hg standard solution 100 ppb	6/12/14	HG-1450-66 --HGA1
STD Hg standard solution 10 ppb	6/12/14	HG-1450-67 --HGA2
ICV Hg standard solution 1000 ppm	2/1/2015	INORGVENTURE I-2-HG0215
ICV Hg standard solution ~~50 ppb~~ 100ppb (TW)	6/12/14	HG-1450-68 --HGB1
Solid Lab control	1/16	ERA 2082-540
Aqua Regia	6/12/14	HG-1450-70 --HGKAQ
Dilution acid	10/10/14	HG-1390-558 --HGD1
Digestion Tubes Lot	N/A	EXPRESS 131222
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
MP79781	5/30/2014	17:45	5/30/2014	23:00		

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	7	174	92	0	92
1	End	7	174	90	0	90
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
MP79781-MB1	N/A	N	50	50	A & B		
JB64500-35	3	Y	50	50	A & B		
JB67897-7	7	Y	50	50	A & B		
JB67898-4	3	Y	50	50	A & B		
JB67912-11A	9	Y	50	50	A & B		
JB67976-6	3	Y	50	50	A & B		
JB67981-14	7	Y	50	50	A & B		
JB67999-2A	9	Y	50	50	A & B		
MP79781-LC1	N/A	Y	50	50	A & B		
JB68098-2	3	Y	50	50	A & B		
JB68102-1a	3	Y	50	50	A & B		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN 1	0.5
C		
D		
E		
F		
G		
H		

Comments:

Analyst JULIANAF **Approved by** Wendyz **Approved on** 6/2/2014

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 79781
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/07/14	MP-013- 651 -SP
Spiking Solution - Min. Spike	11/05/14	MP-013- 649 -MIN1
Spiking Solution - Odd Spike	~~10/11/14~~ 10/29/14	MP-013- ~~641~~ 647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	05/2016	E-0000050770 J.T. Baker
Nitric Acid (1:1)	11/28/14	MP-013-20- 188 -HNO3 (1:1)
Hydrochloric Acid	11/28/14	MP-013-20- 189 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	11/22/14	MP-~~8~~ 151 - 113 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC009746 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: Mfg. Environmental Express
pH Paper	N/A	Hydrion Paper 1 to 12, lot #228713

Form: AA014B-01
Rev. Date: 5/12/08

ACCUTEST.

Soil Digestion Reagents Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79886
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-652 -SP
Spiking Solution - Min. Spike	~~11/13/14~~ 11/29/14	AH 00105/14 653 MP-013-~~650~~ -MIN2
Spiking Solution - Odd Spike	10/29/14	MP-013-647 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	74185 AH 00105/14 E Batch #000005~~0770~~ J.T. Baker
Nitric Acid (1:1)	12/06/14	MP-013-20-192 -HNO3 (1:1)
Hydrochloric Acid	5/2016	E Batch #000006041I J.T. Baker
Hydrogen Peroxide	5/2016	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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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
MP79886	6/7/2014	9:30	6/7/2014	1430	JB68100-13A	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp
1	Start	4	428	B-41	94	0	94
1	End	4	428	NA	94	0	94
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
MP79886-MB2	N/A	100	1.00	A, B, C, D		
MP79886-B2	N/A	100	1.02	A, B, C, D	A, B, C	
MP79886-S1	1	100	1.03	A, B, C, D	A, B, C	
MP79886-S2	1	100	1.05	A, B, C, D	A, B, C	
MP79886-SD1	1	100	0.95	A, B, C, D		
JB67976-1	1	100	0.98	A, B, C, D		
JB67976-10	1	100	1.05	A, B, C, D		
JB67976-11	1	100	1.04	A, B, C, D		
JB67976-12	1	100	1.03	A, B, C, D		
JB67976-2	1	100	0.99	A, B, C, D		
JB67976-3	1	100	0.97	A, B, C, D		
JB67976-4	1	100	1.04	A, B, C, D		
JB67976-5	1	100	0.98	A, B, C, D		
JB67976-8	1	100	0.98	A, B, C, D		
JB67976-9	1	100	1.03	A, B, C, D		
JB68100-12A	1	100	2.05	A, B, C, D		
JB68100-13A	1	100	0.95	A, B, C, D		
JB68100-3A	1	100	1.27	A, B, C, D		
JB68100-4A	1	100	1.41	A, B, C, D		
JB68100-5A	2	100	1.40	A, B, C, D		
JB68100-6A	1	100	1.49	A, B, C, D		
JB68100-7A	1	100	1.42	A, B, C, D		
JB68100-9A	1	100	1.50	A, B, C, D		
JB68366-1A	1	100	1.05	A, B, C, D		
MP79886-LC2	N/A	100	0.54	A, B, C, D		

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	10
B	CONC HNO3	5
C	30% H2O2	6
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	2
B	MIN2	2
C	ODD	1
D		
E		
F		
G		
H		

Comments:

Analyst MASOODAS **Approved by** Wendyz **Approved on** 6/9/2014

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
MP79886	6/10/2014	12:00	6/10/2014	16:45	JB68100-13A	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	5	428	B-41	90	0	90	
1	End	5	428	NA	93	0	93	
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
MP79886-MB3	N/A	100	1.00	A,B,C,D	A,B AND C	
MP79886-B3	N/A	100	1.00	A,B,C,D	A,B AND C	
MP79886-LC3	N/A	100	0.52	A,B,C,D	A,B AND C	
MP79886-S1	2	100	1.01	A,B,C,D	A,B AND C	
MP79886-S2	2	100	1.00	A,B,C,D	A,B AND C	

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	10
B	CONC HNO3	5
C	H2O2	5
D	CONC HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	2
B	MIN2	2
C	ODD	1
D		
E		
F		
G		
H		

Comments: _____

Analyst RINKUP **Approved by** RAKESHP **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 79886
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-655 -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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ACCUTEST.

Soil Digestion Reagents Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 79886
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	11/7/14	MP-013-655 -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: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB67976-1 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 291-PE-74

Wet Weight (Total)	34.75	g
Tare Weight	29.04	g
Dry Weight (Total)	34.12	g
Solids, Percent	89	%

Sample: JB67976-2 **Analyzed:** 02-JUN-14 by AA **Method:** SM2540 G-97
ClientID: 292-PE-83

Wet Weight (Total)	36.1	g
Tare Weight	27.86	g
Dry Weight (Total)	34.92	g
Solids, Percent	85.7	%

Sample: JB67976-3 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 293-DUP-3

Wet Weight (Total)	28.56	g
Tare Weight	21.59	g
Dry Weight (Total)	27.81	g
Solids, Percent	89.2	%

Sample: JB67976-4 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 294-PE-87

Wet Weight (Total)	32.93	g
Tare Weight	25.12	g
Dry Weight (Total)	32.12	g
Solids, Percent	89.6	%

Sample: JB67976-5 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 295-PE-81

Wet Weight (Total)	35.85	g
Tare Weight	25.95	g
Dry Weight (Total)	34.66	g
Solids, Percent	88	%

Sample: JB67976-8 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 298-PE-82

Wet Weight (Total)	33.84	g
Tare Weight	26.17	g
Dry Weight (Total)	32.92	g
Solids, Percent	88	%

Percent Solids Raw Data Summary

Job Number: JB67976
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB67976-9 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 299-PE-80

Wet Weight (Total)	30.39	g
Tare Weight	25.09	g
Dry Weight (Total)	29.79	g
Solids, Percent	88.7	%

Sample: JB67976-10 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 300-PE-79

Wet Weight (Total)	32.72	g
Tare Weight	27.49	g
Dry Weight (Total)	32.12	g
Solids, Percent	88.5	%

Sample: JB67976-11 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 301-PE-89

Wet Weight (Total)	30.56	g
Tare Weight	24.21	g
Dry Weight (Total)	29.72	g
Solids, Percent	86.8	%

Sample: JB67976-12 **Analyzed:** 31-MAY-14 by AA **Method:** SM2540 G-97
ClientID: 302-PE-78

Wet Weight (Total)	32.88	g
Tare Weight	26.7	g
Dry Weight (Total)	31.81	g
Solids, Percent	82.7	%